

## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZSAR-TRF-01-A05 Rev. A/0 Aug 16,2024

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|           |            |         |           |         |         |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|           |            | 12      | 6         | 18.42   | 18.45   | 18.67   | 18.58   | 18.45   | 19.50   |
|           |            | 12      | 13        | 18.51   | 18.56   | 18.72   | 18.60   | 18.62   | 19.50   |
|           |            | 25      | 0         | 18.37   | 18.51   | 18.47   | 18.55   | 18.50   | 19.50   |
|           | 16QAM      | 1       | 0         | 18.21   | 18.12   | 18.54   | 18.32   | 18.15   | 19.50   |
|           |            | 1       | 13        | 18.24   | 18.21   | 18.57   | 18.15   | 18.16   | 19.50   |
|           |            | 1       | 24        | 18.58   | 18.62   | 18.30   | 18.55   | 18.54   | 19.50   |
|           |            | 12      | 0         | 18.45   | 18.34   | 18.68   | 18.45   | 18.49   | 19.50   |
|           |            | 12      | 6         | 18.50   | 18.54   | 18.78   | 18.52   | 18.42   | 19.50   |
|           |            | 12      | 13        | 18.56   | 18.61   | 18.57   | 18.48   | 18.57   | 19.50   |
|           |            | 25      | 0         | 18.59   | 18.49   | 18.62   | 18.52   | 18.37   | 19.50   |
|           | 64QAM      | 1       | 0         | 18.04   | 17.93   | 18.31   | 18.04   | 17.97   | 19.50   |
|           |            | 1       | 13        | 17.90   | 17.97   | 18.13   | 18.28   | 18.08   | 19.50   |
|           |            | 1       | 24        | 18.20   | 18.23   | 18.19   | 18.20   | 18.12   | 19.50   |
|           |            | 12      | 0         | 18.32   | 18.37   | 18.80   | 18.52   | 18.47   | 19.50   |
|           |            | 12      | 6         | 18.58   | 18.55   | 18.67   | 18.41   | 18.37   | 19.50   |
|           |            | 12      | 13        | 18.49   | 18.42   | 18.50   | 18.65   | 18.39   | 19.50   |
|           |            | 25      | 0         | 18.50   | 18.50   | 18.74   | 18.41   | 18.51   | 19.50   |
|           | 256QAM     | 1       | 0         | 17.13   | 17.22   | 17.41   | 17.13   | 17.05   | 18.50   |
|           |            | 1       | 13        | 17.10   | 17.12   | 17.32   | 17.13   | 17.23   | 18.50   |
|           |            | 1       | 24        | 17.14   | 17.24   | 17.29   | 17.14   | 17.08   | 18.50   |
|           |            | 12      | 0         | 17.23   | 17.28   | 17.64   | 17.21   | 17.29   | 18.50   |
|           |            | 12      | 6         | 17.40   | 17.35   | 17.45   | 17.47   | 17.35   | 18.50   |
|           |            | 12      | 13        | 17.33   | 17.24   | 17.44   | 17.28   | 17.34   | 18.50   |
|           |            | 25      | 0         | 17.29   | 17.34   | 17.56   | 17.33   | 17.32   | 18.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |            |         |           | 39700   | 40160   | 40620   | 41080   | 41540   |         |
| 10MHz     | QPSK       | 1       | 0         | 18.42   | 18.55   | 18.72   | 18.40   | 18.35   | 19.50   |
|           |            | 1       | 25        | 18.39   | 18.42   | 18.55   | 18.54   | 18.52   | 19.50   |
|           |            | 1       | 49        | 18.52   | 18.48   | 18.39   | 18.48   | 18.57   | 19.50   |
|           |            | 25      | 0         | 18.48   | 18.40   | 18.68   | 18.46   | 18.52   | 19.50   |
|           |            | 25      | 13        | 18.47   | 18.46   | 18.72   | 18.64   | 18.42   | 19.50   |
|           |            | 25      | 25        | 18.56   | 18.55   | 18.70   | 18.56   | 18.44   | 19.50   |
|           |            | 50      | 0         | 18.44   | 18.54   | 18.49   | 18.51   | 18.42   | 19.50   |
|           | 16QAM      | 1       | 0         | 18.17   | 18.10   | 18.53   | 18.13   | 18.11   | 19.50   |
|           |            | 1       | 25        | 18.10   | 18.09   | 18.65   | 18.07   | 18.15   | 19.50   |
|           |            | 1       | 49        | 18.49   | 18.55   | 18.22   | 18.54   | 18.54   | 19.50   |
|           |            | 25      | 0         | 18.49   | 18.41   | 18.70   | 18.51   | 18.35   | 19.50   |
|           |            | 25      | 13        | 18.44   | 18.44   | 18.63   | 18.41   | 18.42   | 19.50   |
|           |            | 25      | 25        | 18.61   | 18.56   | 18.67   | 18.48   | 18.56   | 19.50   |



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|           |            | 50      | 0         | 18.54   | 18.60   | 18.63   | 18.46   | 18.52   | 19.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|           | 64QAM      | 1       | 0         | 18.08   | 18.01   | 18.33   | 17.91   | 17.93   | 19.50   |
|           |            | 1       | 25        | 17.89   | 18.14   | 18.11   | 18.30   | 18.16   | 19.50   |
|           |            | 1       | 49        | 18.14   | 18.39   | 18.15   | 18.26   | 18.08   | 19.50   |
|           |            | 25      | 0         | 18.42   | 18.44   | 18.79   | 18.47   | 18.53   | 19.50   |
|           |            | 25      | 13        | 18.45   | 18.53   | 18.71   | 18.57   | 18.50   | 19.50   |
|           |            | 25      | 25        | 18.56   | 18.50   | 18.69   | 18.54   | 18.51   | 19.50   |
|           |            | 50      | 0         | 18.43   | 18.59   | 18.74   | 18.56   | 18.40   | 19.50   |
|           | 256QAM     | 1       | 0         | 17.20   | 17.28   | 17.32   | 17.16   | 17.15   | 18.50   |
|           |            | 1       | 25        | 17.12   | 17.26   | 17.45   | 17.16   | 17.08   | 18.50   |
|           |            | 1       | 49        | 17.27   | 17.17   | 17.24   | 17.21   | 17.12   | 18.50   |
|           |            | 25      | 0         | 17.16   | 17.36   | 17.64   | 17.23   | 17.30   | 18.50   |
|           |            | 25      | 13        | 17.42   | 17.46   | 17.46   | 17.49   | 17.32   | 18.50   |
|           |            | 25      | 25        | 17.36   | 17.33   | 17.40   | 17.35   | 17.38   | 18.50   |
|           |            | 50      | 0         | 17.25   | 17.42   | 17.58   | 17.26   | 17.30   | 18.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |            |         |           | 39725   | 40173   | 40620   | 41068   | 41515   |         |
| 15MHz     | QPSK       | 1       | 0         | 18.41   | 18.37   | 18.66   | 18.52   | 18.41   | 19.50   |
|           |            | 1       | 38        | 18.47   | 18.40   | 18.65   | 18.41   | 18.39   | 19.50   |
|           |            | 1       | 74        | 18.47   | 18.57   | 18.39   | 18.50   | 18.58   | 19.50   |
|           |            | 36      | 0         | 18.49   | 18.42   | 18.68   | 18.43   | 18.42   | 19.50   |
|           |            | 36      | 18        | 18.58   | 18.45   | 18.80   | 18.60   | 18.41   | 19.50   |
|           |            | 36      | 39        | 18.41   | 18.41   | 18.64   | 18.51   | 18.53   | 19.50   |
|           |            | 75      | 0         | 18.53   | 18.62   | 18.45   | 18.50   | 18.55   | 19.50   |
|           | 16QAM      | 1       | 0         | 18.17   | 18.14   | 18.61   | 18.17   | 18.24   | 19.50   |
|           |            | 1       | 38        | 18.17   | 18.22   | 18.58   | 18.25   | 18.17   | 19.50   |
|           |            | 1       | 74        | 18.50   | 18.67   | 18.34   | 18.53   | 18.48   | 19.50   |
|           |            | 36      | 0         | 18.42   | 18.32   | 18.76   | 18.55   | 18.42   | 19.50   |
|           |            | 36      | 18        | 18.56   | 18.54   | 18.74   | 18.39   | 18.48   | 19.50   |
|           |            | 36      | 39        | 18.56   | 18.53   | 18.70   | 18.43   | 18.53   | 19.50   |
|           |            | 75      | 0         | 18.47   | 18.61   | 18.66   | 18.41   | 18.50   | 19.50   |
|           | 64QAM      | 1       | 0         | 17.92   | 17.95   | 18.36   | 18.05   | 18.05   | 19.50   |
|           |            | 1       | 38        | 17.91   | 18.02   | 18.01   | 18.35   | 18.27   | 19.50   |
|           |            | 1       | 74        | 18.17   | 18.29   | 18.05   | 18.13   | 18.11   | 19.50   |
|           |            | 36      | 0         | 18.35   | 18.43   | 18.67   | 18.53   | 18.40   | 19.50   |
|           |            | 36      | 18        | 18.54   | 18.52   | 18.75   | 18.58   | 18.53   | 19.50   |
|           |            | 36      | 39        | 18.47   | 18.52   | 18.67   | 18.57   | 18.54   | 19.50   |
|           |            | 75      | 0         | 18.39   | 18.52   | 18.66   | 18.47   | 18.49   | 19.50   |
|           | 256QAM     | 1       | 0         | 17.14   | 17.10   | 17.35   | 17.17   | 17.01   | 18.50   |



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|           |            | 1       | 38        | 17.04   | 17.19   | 17.26   | 17.20   | 17.10   | 18.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|           |            | 1       | 74        | 17.20   | 17.28   | 17.25   | 17.18   | 17.21   | 18.50   |
|           |            | 36      | 0         | 17.19   | 17.30   | 17.49   | 17.27   | 17.36   | 18.50   |
|           |            | 36      | 18        | 17.32   | 17.34   | 17.45   | 17.58   | 17.41   | 18.50   |
|           |            | 36      | 39        | 17.35   | 17.37   | 17.42   | 17.35   | 17.31   | 18.50   |
|           |            | 75      | 0         | 17.25   | 17.35   | 17.59   | 17.37   | 17.35   | 18.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |            |         |           | 39750   | 40185   | 40620   | 41055   | 41490   |         |
| 20MHz     | QPSK       | 1       | 0         | 18.45   | 18.46   | 18.71   | 18.46   | 18.43   | 19.50   |
|           |            | 1       | 50        | 18.42   | 18.46   | 18.65   | 18.49   | 18.46   | 19.50   |
|           |            | 1       | 99        | 18.48   | 18.50   | 18.48   | 18.51   | 18.53   | 19.50   |
|           |            | 50      | 0         | 18.41   | 18.41   | 18.74   | 18.49   | 18.42   | 19.50   |
|           |            | 50      | 25        | 18.48   | 18.46   | 18.71   | 18.55   | 18.50   | 19.50   |
|           |            | 50      | 50        | 18.48   | 18.49   | 18.63   | 18.54   | 18.54   | 19.50   |
|           |            | 100     | 0         | 18.45   | 18.55   | 18.45   | 18.58   | 18.49   | 19.50   |
|           |            | 100     | 50        | 18.45   | 18.55   | 18.45   | 18.58   | 18.49   | 19.50   |
|           | 16QAM      | 1       | 0         | 18.17   | 18.19   | 18.55   | 18.22   | 18.17   | 19.50   |
|           |            | 1       | 50        | 18.15   | 18.18   | 18.57   | 18.17   | 18.10   | 19.50   |
|           |            | 1       | 99        | 18.53   | 18.62   | 18.31   | 18.63   | 18.56   | 19.50   |
|           |            | 50      | 0         | 18.41   | 18.40   | 18.72   | 18.49   | 18.44   | 19.50   |
|           |            | 50      | 25        | 18.50   | 18.50   | 18.71   | 18.49   | 18.46   | 19.50   |
|           |            | 50      | 50        | 18.52   | 18.55   | 18.60   | 18.50   | 18.47   | 19.50   |
|           |            | 100     | 0         | 18.51   | 18.54   | 18.63   | 18.50   | 18.47   | 19.50   |
|           |            | 100     | 50        | 18.51   | 18.54   | 18.63   | 18.50   | 18.47   | 19.50   |
|           | 64QAM      | 1       | 0         | 17.98   | 17.97   | 18.32   | 18.00   | 17.97   | 19.50   |
|           |            | 1       | 50        | 17.99   | 18.05   | 18.08   | 18.27   | 18.18   | 19.50   |
|           |            | 1       | 99        | 18.22   | 18.31   | 18.14   | 18.17   | 18.09   | 19.50   |
|           |            | 50      | 0         | 18.41   | 18.45   | 18.71   | 18.52   | 18.44   | 19.50   |
|           |            | 50      | 25        | 18.49   | 18.49   | 18.68   | 18.48   | 18.47   | 19.50   |
|           |            | 50      | 50        | 18.51   | 18.51   | 18.60   | 18.55   | 18.48   | 19.50   |
|           |            | 100     | 0         | 18.45   | 18.55   | 18.67   | 18.49   | 18.41   | 19.50   |
|           |            | 100     | 50        | 18.45   | 18.55   | 18.67   | 18.49   | 18.41   | 19.50   |
|           | 256QAM     | 1       | 0         | 17.12   | 17.19   | 17.39   | 17.08   | 17.06   | 18.50   |
|           |            | 1       | 50        | 17.11   | 17.21   | 17.35   | 17.15   | 17.13   | 18.50   |
|           |            | 1       | 99        | 17.17   | 17.25   | 17.22   | 17.17   | 17.18   | 18.50   |
|           |            | 50      | 0         | 17.24   | 17.33   | 17.59   | 17.28   | 17.30   | 18.50   |
|           |            | 50      | 25        | 17.32   | 17.38   | 17.45   | 17.49   | 17.39   | 18.50   |
|           |            | 50      | 50        | 17.34   | 17.33   | 17.47   | 17.36   | 17.38   | 18.50   |
|           |            | 100     | 0         | 17.26   | 17.33   | 17.51   | 17.36   | 17.30   | 18.50   |
|           |            | 100     | 50        | 17.26   | 17.33   | 17.51   | 17.36   | 17.30   | 18.50   |



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| LTE Band 41 PC3 Eci7 |            |         |           | Conducted Power(dBm) |         |         |         |         |         |
|----------------------|------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|
| Bandwidth            | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |            |         |           | 39675                | 40148   | 40620   | 41093   | 41565   |         |
| 5MHz                 | QPSK       | 1       | 0         | 12.89                | 13.03   | 13.14   | 12.85   | 12.90   | 14.00   |
|                      |            | 1       | 13        | 12.90                | 13.00   | 13.20   | 13.00   | 12.96   | 14.00   |
|                      |            | 1       | 24        | 12.88                | 13.08   | 12.87   | 13.05   | 13.06   | 14.00   |
|                      |            | 12      | 0         | 12.97                | 12.87   | 13.13   | 12.89   | 12.89   | 14.00   |
|                      |            | 12      | 6         | 12.90                | 13.06   | 13.20   | 13.09   | 12.95   | 14.00   |
|                      |            | 12      | 13        | 12.94                | 12.94   | 12.99   | 13.05   | 12.95   | 14.00   |
|                      |            | 25      | 0         | 12.81                | 12.86   | 13.04   | 13.08   | 12.99   | 14.00   |
|                      | 16QAM      | 1       | 0         | 12.94                | 13.02   | 13.09   | 12.88   | 12.80   | 14.00   |
|                      |            | 1       | 13        | 12.94                | 13.03   | 13.18   | 12.92   | 12.95   | 14.00   |
|                      |            | 1       | 24        | 13.05                | 12.91   | 13.01   | 13.16   | 12.94   | 14.00   |
|                      |            | 12      | 0         | 12.88                | 12.83   | 13.28   | 12.84   | 12.83   | 14.00   |
|                      |            | 12      | 6         | 12.85                | 13.00   | 13.22   | 13.02   | 13.02   | 14.00   |
|                      |            | 12      | 13        | 12.96                | 12.94   | 13.06   | 12.99   | 13.02   | 14.00   |
|                      |            | 25      | 0         | 12.94                | 13.00   | 13.10   | 13.09   | 13.06   | 14.00   |
|                      | 64QAM      | 1       | 0         | 12.58                | 12.65   | 12.92   | 12.55   | 12.52   | 14.00   |
|                      |            | 1       | 13        | 12.53                | 12.54   | 12.92   | 12.87   | 12.71   | 14.00   |
|                      |            | 1       | 24        | 12.72                | 12.71   | 12.79   | 12.73   | 12.66   | 14.00   |
|                      |            | 12      | 0         | 12.90                | 12.88   | 13.19   | 12.97   | 12.94   | 14.00   |
|                      |            | 12      | 6         | 13.06                | 12.90   | 13.20   | 13.01   | 12.87   | 14.00   |
|                      |            | 12      | 13        | 13.03                | 13.00   | 13.12   | 13.04   | 12.87   | 14.00   |
|                      |            | 25      | 0         | 12.95                | 13.05   | 13.21   | 13.02   | 12.89   | 14.00   |
|                      | 256QAM     | 1       | 0         | 12.77                | 12.72   | 13.09   | 12.73   | 12.70   | 14.00   |
|                      |            | 1       | 13        | 12.81                | 12.95   | 13.02   | 12.80   | 12.78   | 14.00   |
|                      |            | 1       | 24        | 12.77                | 13.01   | 12.94   | 12.81   | 12.81   | 14.00   |
|                      |            | 12      | 0         | 12.91                | 12.96   | 13.24   | 12.99   | 12.93   | 14.00   |
|                      |            | 12      | 6         | 13.01                | 13.10   | 13.12   | 13.00   | 13.04   | 14.00   |
|                      |            | 12      | 13        | 12.98                | 13.02   | 13.09   | 13.08   | 13.13   | 14.00   |
|                      |            | 25      | 0         | 12.87                | 13.04   | 13.21   | 12.96   | 12.92   | 14.00   |
| Bandwidth            | Modulation | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
| 10MHz                | QPSK       | 1       | 0         | 12.87                | 13.00   | 13.21   | 12.86   | 12.97   | 14.00   |
|                      |            | 1       | 25        | 12.98                | 12.84   | 13.28   | 12.86   | 12.88   | 14.00   |
|                      |            | 1       | 49        | 12.99                | 12.94   | 13.04   | 12.94   | 12.97   | 14.00   |
|                      |            | 25      | 0         | 12.88                | 12.93   | 13.22   | 12.95   | 12.85   | 14.00   |



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|           |            |         |           |         |         |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|           |            | 25      | 13        | 12.96   | 13.08   | 13.16   | 13.08   | 12.89   | 14.00   |
|           |            | 25      | 25        | 12.94   | 13.04   | 13.14   | 13.00   | 13.04   | 14.00   |
|           |            | 50      | 0         | 12.96   | 12.93   | 13.14   | 13.06   | 13.07   | 14.00   |
|           | 16QAM      | 1       | 0         | 12.87   | 13.00   | 13.15   | 12.80   | 12.96   | 14.00   |
|           |            | 1       | 25        | 12.83   | 13.03   | 13.13   | 12.88   | 12.90   | 14.00   |
|           |            | 1       | 49        | 12.89   | 13.10   | 13.10   | 13.18   | 12.95   | 14.00   |
|           |            | 25      | 0         | 12.89   | 12.87   | 13.17   | 12.88   | 13.02   | 14.00   |
|           |            | 25      | 13        | 13.04   | 12.98   | 13.24   | 13.09   | 13.06   | 14.00   |
|           |            | 25      | 25        | 13.02   | 13.04   | 13.00   | 13.10   | 13.06   | 14.00   |
|           |            | 50      | 0         | 12.90   | 12.96   | 13.20   | 13.00   | 12.94   | 14.00   |
|           | 64QAM      | 1       | 0         | 12.62   | 12.63   | 12.92   | 12.51   | 12.49   | 14.00   |
|           |            | 1       | 25        | 12.55   | 12.56   | 13.02   | 12.77   | 12.68   | 14.00   |
|           |            | 1       | 49        | 12.70   | 12.68   | 12.78   | 12.56   | 12.60   | 14.00   |
|           |            | 25      | 0         | 12.89   | 12.77   | 13.16   | 13.09   | 13.01   | 14.00   |
|           |            | 25      | 13        | 12.90   | 12.99   | 13.11   | 13.00   | 12.90   | 14.00   |
|           |            | 25      | 25        | 12.96   | 12.95   | 13.19   | 12.98   | 12.87   | 14.00   |
|           |            | 50      | 0         | 12.82   | 12.96   | 13.05   | 13.07   | 13.03   | 14.00   |
|           | 256QAM     | 1       | 0         | 12.79   | 12.75   | 13.02   | 12.65   | 12.55   | 14.00   |
|           |            | 1       | 25        | 12.76   | 12.88   | 13.06   | 12.80   | 12.89   | 14.00   |
|           |            | 1       | 49        | 12.87   | 12.86   | 12.95   | 13.00   | 12.88   | 14.00   |
|           |            | 25      | 0         | 12.93   | 12.93   | 13.31   | 12.94   | 12.90   | 14.00   |
|           |            | 25      | 13        | 13.07   | 13.05   | 13.10   | 13.06   | 12.94   | 14.00   |
|           |            | 25      | 25        | 13.02   | 12.98   | 13.13   | 12.98   | 13.08   | 14.00   |
|           |            | 50      | 0         | 13.02   | 13.01   | 13.20   | 12.91   | 13.07   | 14.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |            |         |           | 39725   | 40173   | 40620   | 41068   | 41515   |         |
| 15MHz     | QPSK       | 1       | 0         | 12.91   | 13.10   | 13.20   | 12.94   | 12.80   | 14.00   |
|           |            | 1       | 38        | 12.81   | 13.00   | 13.26   | 12.87   | 12.84   | 14.00   |
|           |            | 1       | 74        | 12.88   | 12.92   | 13.07   | 13.07   | 12.92   | 14.00   |
|           |            | 36      | 0         | 12.78   | 12.81   | 13.24   | 12.85   | 12.93   | 14.00   |
|           |            | 36      | 18        | 12.95   | 13.05   | 13.07   | 13.01   | 12.86   | 14.00   |
|           |            | 36      | 39        | 12.91   | 12.96   | 12.99   | 12.95   | 12.99   | 14.00   |
|           |            | 75      | 0         | 12.94   | 12.96   | 13.24   | 12.98   | 13.04   | 14.00   |
|           | 16QAM      | 1       | 0         | 12.94   | 13.09   | 13.10   | 12.86   | 12.97   | 14.00   |
|           |            | 1       | 38        | 12.90   | 12.94   | 13.21   | 12.92   | 12.93   | 14.00   |
|           |            | 1       | 74        | 12.89   | 13.07   | 12.99   | 13.02   | 12.99   | 14.00   |
|           |            | 36      | 0         | 12.95   | 12.95   | 13.19   | 12.97   | 12.89   | 14.00   |
|           |            | 36      | 18        | 12.89   | 12.97   | 13.16   | 13.12   | 13.03   | 14.00   |
|           |            | 36      | 39        | 12.94   | 13.01   | 13.05   | 13.16   | 13.04   | 14.00   |



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|           |            | 75      | 0         | 12.94   | 12.86   | 13.17   | 12.98   | 13.04   | 14.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|           | 64QAM      | 1       | 0         | 12.61   | 12.62   | 12.89   | 12.57   | 12.60   | 14.00   |
|           |            | 1       | 38        | 12.66   | 12.53   | 12.84   | 12.75   | 12.67   | 14.00   |
|           |            | 1       | 74        | 12.63   | 12.77   | 12.64   | 12.56   | 12.73   | 14.00   |
|           |            | 36      | 0         | 12.81   | 12.95   | 13.20   | 13.07   | 12.88   | 14.00   |
|           |            | 36      | 18        | 12.86   | 12.91   | 13.18   | 13.12   | 12.90   | 14.00   |
|           |            | 36      | 39        | 12.88   | 13.07   | 13.06   | 13.11   | 12.91   | 14.00   |
|           |            | 75      | 0         | 12.84   | 12.92   | 13.04   | 13.06   | 12.95   | 14.00   |
|           | 256QAM     | 1       | 0         | 12.75   | 12.79   | 13.05   | 12.59   | 12.61   | 14.00   |
|           |            | 1       | 38        | 12.85   | 12.88   | 13.15   | 12.76   | 12.83   | 14.00   |
|           |            | 1       | 74        | 12.82   | 12.95   | 12.94   | 12.92   | 12.99   | 14.00   |
|           |            | 36      | 0         | 12.84   | 12.93   | 13.31   | 13.00   | 13.07   | 14.00   |
|           |            | 36      | 18        | 13.05   | 13.03   | 13.16   | 13.11   | 13.04   | 14.00   |
|           |            | 36      | 39        | 13.05   | 12.99   | 13.22   | 13.01   | 13.07   | 14.00   |
|           |            | 75      | 0         | 12.94   | 12.99   | 13.18   | 13.02   | 13.03   | 14.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |            |         |           | 39750   | 40185   | 40620   | 41055   | 41490   |         |
| 20MHz     | QPSK       | 1       | 0         | 12.92   | 13.02   | 13.17   | 12.89   | 12.88   | 14.00   |
|           |            | 1       | 50        | 12.90   | 12.93   | 13.16   | 12.95   | 12.90   | 14.00   |
|           |            | 1       | 99        | 13.24   | 12.99   | 12.97   | 12.99   | 12.99   | 14.00   |
|           |            | 50      | 0         | 12.87   | 12.90   | 13.20   | 12.89   | 12.89   | 14.00   |
|           |            | 50      | 25        | 12.92   | 12.98   | 13.14   | 13.05   | 12.96   | 14.00   |
|           |            | 50      | 50        | 12.93   | 12.95   | 13.07   | 13.03   | 12.97   | 14.00   |
|           |            | 100     | 0         | 12.91   | 12.96   | 13.14   | 12.99   | 12.98   | 14.00   |
|           | 16QAM      | 1       | 0         | 12.95   | 13.04   | 13.18   | 12.86   | 12.87   | 14.00   |
|           |            | 1       | 50        | 12.92   | 13.02   | 13.18   | 12.95   | 12.95   | 14.00   |
|           |            | 1       | 99        | 12.96   | 13.00   | 13.01   | 13.08   | 13.04   | 14.00   |
|           |            | 50      | 0         | 12.86   | 12.92   | 13.20   | 12.91   | 12.93   | 14.00   |
|           |            | 50      | 25        | 12.95   | 13.02   | 13.17   | 13.03   | 13.00   | 14.00   |
|           |            | 50      | 50        | 12.95   | 12.94   | 13.07   | 13.06   | 12.99   | 14.00   |
|           |            | 100     | 0         | 12.94   | 12.95   | 13.17   | 13.01   | 13.01   | 14.00   |
|           | 64QAM      | 1       | 0         | 12.65   | 12.63   | 12.93   | 12.55   | 12.50   | 14.00   |
|           |            | 1       | 50        | 12.61   | 12.60   | 12.94   | 12.77   | 12.67   | 14.00   |
|           |            | 1       | 99        | 12.67   | 12.75   | 12.72   | 12.65   | 12.64   | 14.00   |
|           |            | 50      | 0         | 12.88   | 12.86   | 13.20   | 13.01   | 12.93   | 14.00   |
|           |            | 50      | 25        | 12.96   | 12.97   | 13.19   | 13.06   | 12.97   | 14.00   |
|           |            | 50      | 50        | 12.96   | 12.99   | 13.09   | 13.03   | 12.97   | 14.00   |
|           |            | 100     | 0         | 12.92   | 13.01   | 13.14   | 13.01   | 12.97   | 14.00   |
|           | 256QAM     | 1       | 0         | 12.79   | 12.78   | 13.07   | 12.68   | 12.65   | 14.00   |



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|  |  |     |    |       |       |       |       |       |       |
|--|--|-----|----|-------|-------|-------|-------|-------|-------|
|  |  | 1   | 50 | 12.79 | 12.88 | 13.07 | 12.86 | 12.80 | 14.00 |
|  |  | 1   | 99 | 12.84 | 12.92 | 12.90 | 12.90 | 12.90 | 14.00 |
|  |  | 50  | 0  | 12.93 | 12.96 | 13.25 | 13.02 | 12.98 | 14.00 |
|  |  | 50  | 25 | 12.98 | 13.03 | 13.20 | 13.10 | 13.03 | 14.00 |
|  |  | 50  | 50 | 12.98 | 13.03 | 13.14 | 13.04 | 13.05 | 14.00 |
|  |  | 100 | 0  | 12.94 | 12.98 | 13.17 | 13.01 | 12.98 | 14.00 |



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## 8 Conducted Power of Main Antenna (Ant10)

### 8.1 Conducted Power of LTE

| LTE Band 42 Eci2/4 |            |         |           | Conducted Power(dBm) |         |         |         |
|--------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                    |            |         |           | 42115                | 42590   | 43065   |         |
| 5MHz               | QPSK       | 1       | 0         | 20.31                | 20.13   | 20.26   | 21.50   |
|                    |            | 1       | 13        | 20.18                | 19.92   | 20.34   | 21.50   |
|                    |            | 1       | 24        | 19.82                | 20.18   | 20.68   | 21.50   |
|                    |            | 12      | 0         | 19.37                | 18.92   | 19.29   | 20.50   |
|                    |            | 12      | 6         | 19.21                | 19.18   | 19.20   | 20.50   |
|                    |            | 12      | 13        | 19.24                | 19.29   | 19.28   | 20.50   |
|                    |            | 25      | 0         | 19.32                | 18.99   | 19.30   | 20.50   |
|                    | 16QAM      | 1       | 0         | 19.16                | 19.05   | 19.57   | 20.50   |
|                    |            | 1       | 13        | 19.19                | 19.36   | 19.47   | 20.50   |
|                    |            | 1       | 24        | 19.32                | 19.58   | 19.31   | 20.50   |
|                    |            | 12      | 0         | 18.09                | 17.79   | 18.35   | 19.50   |
|                    |            | 12      | 6         | 18.03                | 18.26   | 18.31   | 19.50   |
|                    |            | 12      | 13        | 18.22                | 18.28   | 18.54   | 19.50   |
|                    |            | 25      | 0         | 18.06                | 18.13   | 18.44   | 19.50   |
|                    | 64QAM      | 1       | 0         | 18.32                | 18.01   | 18.16   | 19.50   |
|                    |            | 1       | 13        | 18.08                | 18.05   | 18.12   | 19.50   |
|                    |            | 1       | 24        | 18.07                | 18.19   | 18.34   | 19.50   |
|                    |            | 12      | 0         | 17.21                | 17.15   | 17.29   | 18.50   |
|                    |            | 12      | 6         | 17.18                | 17.20   | 17.32   | 18.50   |
|                    |            | 12      | 13        | 17.25                | 17.32   | 17.44   | 18.50   |
|                    |            | 25      | 0         | 17.28                | 17.08   | 17.24   | 18.50   |
|                    | 256QAM     | 1       | 0         | 15.23                | 15.05   | 15.19   | 16.50   |
|                    |            | 1       | 13        | 15.06                | 15.33   | 15.28   | 16.50   |
|                    |            | 1       | 24        | 15.33                | 15.14   | 15.18   | 16.50   |
|                    |            | 12      | 0         | 15.11                | 15.16   | 15.37   | 16.50   |
|                    |            | 12      | 6         | 15.14                | 15.30   | 15.23   | 16.50   |
|                    |            | 12      | 13        | 15.22                | 15.36   | 14.98   | 16.50   |
|                    |            | 25      | 0         | 15.04                | 15.03   | 15.22   | 16.50   |
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                    |            |         |           | 42140                | 42590   | 43040   |         |
| 10MHz              | QPSK       | 1       | 0         | 20.14                | 20.13   | 20.21   | 21.50   |
|                    |            | 1       | 25        | 20.07                | 19.98   | 20.40   | 21.50   |



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|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 49        | 19.94   | 20.22   | 20.71   | 21.50   |
|           |            | 25      | 0         | 19.20   | 18.90   | 19.42   | 20.50   |
|           |            | 25      | 13        | 19.18   | 19.23   | 19.25   | 20.50   |
|           |            | 25      | 25        | 19.35   | 19.25   | 19.29   | 20.50   |
|           |            | 50      | 0         | 19.17   | 18.98   | 19.28   | 20.50   |
|           | 16QAM      | 1       | 0         | 19.12   | 19.12   | 19.62   | 20.50   |
|           |            | 1       | 25        | 19.21   | 19.19   | 19.47   | 20.50   |
|           |            | 1       | 49        | 19.37   | 19.44   | 19.36   | 20.50   |
|           |            | 25      | 0         | 18.09   | 17.89   | 18.23   | 19.50   |
|           |            | 25      | 13        | 18.15   | 18.18   | 18.46   | 19.50   |
|           |            | 25      | 25        | 18.15   | 18.17   | 18.40   | 19.50   |
|           |            | 50      | 0         | 17.98   | 18.04   | 18.27   | 19.50   |
|           | 64QAM      | 1       | 0         | 18.13   | 17.99   | 18.19   | 19.50   |
|           |            | 1       | 25        | 18.17   | 17.94   | 18.14   | 19.50   |
|           |            | 1       | 49        | 18.12   | 18.16   | 18.21   | 19.50   |
|           |            | 25      | 0         | 17.17   | 17.06   | 17.15   | 18.50   |
|           |            | 25      | 13        | 17.18   | 17.15   | 17.18   | 18.50   |
|           |            | 25      | 25        | 17.11   | 17.18   | 17.32   | 18.50   |
|           |            | 50      | 0         | 17.36   | 17.06   | 17.32   | 18.50   |
|           | 256QAM     | 1       | 0         | 15.09   | 15.01   | 15.29   | 16.50   |
|           |            | 1       | 25        | 15.09   | 15.24   | 15.20   | 16.50   |
|           |            | 1       | 49        | 15.26   | 15.06   | 15.07   | 16.50   |
|           |            | 25      | 0         | 15.23   | 15.13   | 15.27   | 16.50   |
|           |            | 25      | 13        | 15.19   | 15.20   | 15.35   | 16.50   |
|           |            | 25      | 25        | 15.16   | 15.22   | 14.88   | 16.50   |
|           |            | 50      | 0         | 14.96   | 15.09   | 15.18   | 16.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 42165   | 42590   | 43015   |         |
| 15MHz     | QPSK       | 1       | 0         | 20.14   | 20.09   | 20.40   | 21.50   |
|           |            | 1       | 38        | 20.21   | 20.06   | 20.29   | 21.50   |
|           |            | 1       | 74        | 19.90   | 20.24   | 20.63   | 21.50   |
|           |            | 36      | 0         | 19.37   | 19.01   | 19.41   | 20.50   |
|           |            | 36      | 18        | 19.33   | 19.20   | 19.21   | 20.50   |
|           |            | 36      | 39        | 19.30   | 19.14   | 19.45   | 20.50   |
|           |            | 75      | 0         | 19.26   | 19.05   | 19.21   | 20.50   |
|           | 16QAM      | 1       | 0         | 19.16   | 19.09   | 19.58   | 20.50   |
|           |            | 1       | 38        | 19.20   | 19.17   | 19.53   | 20.50   |
|           |            | 1       | 74        | 19.27   | 19.62   | 19.36   | 20.50   |
|           |            | 36      | 0         | 18.15   | 17.81   | 18.20   | 19.50   |



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|  |                  |                   |                |                  |                |                |                |
|--|------------------|-------------------|----------------|------------------|----------------|----------------|----------------|
|  |                  | 36                | 18             | 18.10            | 18.32          | 18.41          | 19.50          |
|  |                  | 36                | 39             | 18.25            | 18.29          | 18.39          | 19.50          |
|  |                  | 75                | 0              | 18.06            | 18.13          | 18.38          | 19.50          |
|  | 64QAM            | 1                 | 0              | 18.18            | 17.89          | 18.22          | 19.50          |
|  |                  | 1                 | 38             | 18.13            | 17.96          | 18.25          | 19.50          |
|  |                  | 1                 | 74             | 18.03            | 18.09          | 18.24          | 19.50          |
|  |                  | 36                | 0              | 17.13            | 17.06          | 17.32          | 18.50          |
|  |                  | 36                | 18             | 17.22            | 17.01          | 17.27          | 18.50          |
|  |                  | 36                | 39             | 17.18            | 17.37          | 17.36          | 18.50          |
|  |                  | 75                | 0              | 17.36            | 17.06          | 17.34          | 18.50          |
|  | 256QAM           | 1                 | 0              | 15.11            | 14.98          | 15.10          | 16.50          |
|  |                  | 1                 | 38             | 15.02            | 15.24          | 15.25          | 16.50          |
|  |                  | 1                 | 74             | 15.25            | 15.10          | 15.23          | 16.50          |
|  |                  | 36                | 0              | 15.13            | 15.24          | 15.21          | 16.50          |
|  |                  | 36                | 18             | 15.09            | 15.31          | 15.36          | 16.50          |
|  |                  | 36                | 39             | 15.27            | 15.34          | 14.96          | 16.50          |
|  |                  | 75                | 0              | 14.99            | 14.98          | 15.28          | 16.50          |
|  | <b>Bandwidth</b> | <b>Modulation</b> | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> |
|  |                  |                   |                |                  | 42190          | 42590          | 42990          |
|  | <b>20MHz</b>     | QPSK              | 1              | 0                | 20.24          | 20.05          | 20.30          |
|  |                  |                   | 1              | 50               | 20.15          | 19.98          | 20.35          |
|  |                  |                   | 1              | 99               | 19.92          | 20.21          | 20.64          |
|  |                  |                   | 50             | 0                | 19.27          | 18.94          | 19.33          |
|  |                  |                   | 50             | 25               | 19.23          | 19.18          | 19.27          |
|  |                  |                   | 50             | 50               | 19.32          | 19.21          | 19.35          |
|  |                  |                   | 100            | 0                | 19.23          | 19.05          | 19.27          |
|  |                  | 16QAM             | 1              | 0                | 19.22          | 19.10          | 19.62          |
|  |                  |                   | 1              | 50               | 19.23          | 19.27          | 19.53          |
|  |                  |                   | 1              | 99               | 19.35          | 19.53          | 19.35          |
|  |                  |                   | 50             | 0                | 18.07          | 17.89          | 18.28          |
|  |                  |                   | 50             | 25               | 18.07          | 18.23          | 18.41          |
|  |                  |                   | 50             | 50               | 18.16          | 18.26          | 18.49          |
|  |                  |                   | 100            | 0                | 18.08          | 18.06          | 18.34          |
|  |                  | 64QAM             | 1              | 0                | 18.22          | 17.92          | 18.23          |
|  |                  |                   | 1              | 50               | 18.10          | 18.00          | 18.20          |
|  |                  |                   | 1              | 99               | 18.03          | 18.14          | 18.28          |
|  |                  |                   | 50             | 0                | 17.13          | 17.07          | 17.23          |
|  |                  |                   | 50             | 25               | 17.13          | 17.11          | 17.27          |
|  |                  |                   | 50             | 50               | 17.21          | 17.28          | 17.36          |



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|  |        |     |    |       |       |       |       |
|--|--------|-----|----|-------|-------|-------|-------|
|  |        | 100 | 0  | 17.30 | 17.16 | 17.32 | 18.50 |
|  | 256QAM | 1   | 0  | 15.18 | 15.07 | 15.20 | 16.50 |
|  |        | 1   | 50 | 15.04 | 15.29 | 15.27 | 16.50 |
|  |        | 1   | 99 | 15.26 | 15.12 | 15.13 | 16.50 |
|  |        | 50  | 0  | 15.19 | 15.19 | 15.27 | 16.50 |
|  |        | 50  | 25 | 15.11 | 15.30 | 15.26 | 16.50 |
|  |        | 50  | 50 | 15.21 | 15.28 | 14.94 | 16.50 |
|  |        | 100 | 0  | 15.00 | 15.08 | 15.27 | 16.50 |

| LTE Band 42 Eci3 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 42115                | 42590   | 43065   |         |
| 5MHz             | QPSK       | 1       | 0         | 14.04                | 13.67   | 14.08   | 15.00   |
|                  |            | 1       | 13        | 13.99                | 13.62   | 14.22   | 15.00   |
|                  |            | 1       | 24        | 13.86                | 13.54   | 14.18   | 15.00   |
|                  |            | 12      | 0         | 13.98                | 13.66   | 14.13   | 15.00   |
|                  |            | 12      | 6         | 14.01                | 13.55   | 14.18   | 15.00   |
|                  |            | 12      | 13        | 14.02                | 13.61   | 14.33   | 15.00   |
|                  |            | 25      | 0         | 13.94                | 13.61   | 14.30   | 15.00   |
|                  | 16QAM      | 1       | 0         | 13.78                | 13.63   | 13.94   | 15.00   |
|                  |            | 1       | 13        | 13.97                | 13.60   | 14.13   | 15.00   |
|                  |            | 1       | 24        | 13.95                | 13.59   | 14.30   | 15.00   |
|                  |            | 12      | 0         | 14.03                | 13.57   | 14.18   | 15.00   |
|                  |            | 12      | 6         | 14.04                | 13.68   | 14.16   | 15.00   |
|                  |            | 12      | 13        | 14.02                | 13.53   | 14.36   | 15.00   |
|                  |            | 25      | 0         | 13.95                | 13.68   | 14.28   | 15.00   |
|                  | 64QAM      | 1       | 0         | 13.60                | 13.25   | 13.68   | 15.00   |
|                  |            | 1       | 13        | 13.79                | 13.41   | 13.86   | 15.00   |
|                  |            | 1       | 24        | 13.66                | 13.27   | 14.02   | 15.00   |
|                  |            | 12      | 0         | 14.00                | 13.74   | 14.28   | 15.00   |
|                  |            | 12      | 6         | 14.14                | 13.74   | 14.18   | 15.00   |
|                  |            | 12      | 13        | 14.01                | 13.64   | 14.20   | 15.00   |
|                  |            | 25      | 0         | 14.00                | 13.71   | 14.22   | 15.00   |
|                  | 256QAM     | 1       | 0         | 13.79                | 13.54   | 13.96   | 15.00   |
|                  |            | 1       | 13        | 13.89                | 13.43   | 13.99   | 15.00   |
|                  |            | 1       | 24        | 13.85                | 13.38   | 14.25   | 15.00   |
|                  |            | 12      | 0         | 14.01                | 13.68   | 14.12   | 15.00   |
|                  |            | 12      | 6         | 14.20                | 13.68   | 14.37   | 15.00   |



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|           |            | 12      | 13        | 14.19   | 13.66   | 14.33   | 15.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 0         | 14.02   | 13.60   | 14.29   | 15.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 42140   | 42590   | 43040   |         |
| 10MHz     | QPSK       | 1       | 0         | 13.97   | 13.74   | 14.08   | 15.00   |
|           |            | 1       | 25        | 13.93   | 13.59   | 14.10   | 15.00   |
|           |            | 1       | 49        | 13.98   | 13.56   | 14.26   | 15.00   |
|           |            | 25      | 0         | 13.92   | 13.72   | 14.21   | 15.00   |
|           |            | 25      | 13        | 14.05   | 13.56   | 14.24   | 15.00   |
|           |            | 25      | 25        | 14.01   | 13.65   | 14.18   | 15.00   |
|           |            | 50      | 0         | 14.11   | 13.61   | 14.22   | 15.00   |
|           | 16QAM      | 1       | 0         | 13.82   | 13.66   | 13.93   | 15.00   |
|           |            | 1       | 25        | 14.10   | 13.69   | 14.16   | 15.00   |
|           |            | 1       | 49        | 13.94   | 13.65   | 14.26   | 15.00   |
|           |            | 25      | 0         | 14.01   | 13.72   | 14.24   | 15.00   |
|           |            | 25      | 13        | 13.99   | 13.53   | 14.24   | 15.00   |
|           |            | 25      | 25        | 14.13   | 13.61   | 14.35   | 15.00   |
|           |            | 50      | 0         | 13.98   | 13.69   | 14.25   | 15.00   |
|           | 64QAM      | 1       | 0         | 13.59   | 13.36   | 13.81   | 15.00   |
|           |            | 1       | 25        | 13.61   | 13.37   | 13.90   | 15.00   |
|           |            | 1       | 49        | 13.71   | 13.19   | 13.98   | 15.00   |
|           |            | 25      | 0         | 14.14   | 13.74   | 14.22   | 15.00   |
|           |            | 25      | 13        | 14.16   | 13.66   | 14.21   | 15.00   |
|           |            | 25      | 25        | 14.00   | 13.62   | 14.37   | 15.00   |
|           |            | 50      | 0         | 14.01   | 13.56   | 14.10   | 15.00   |
|           | 256QAM     | 1       | 0         | 13.83   | 13.50   | 13.83   | 15.00   |
|           |            | 1       | 25        | 13.89   | 13.53   | 14.17   | 15.00   |
|           |            | 1       | 49        | 13.93   | 13.52   | 14.18   | 15.00   |
|           |            | 25      | 0         | 14.19   | 13.69   | 14.11   | 15.00   |
|           |            | 25      | 13        | 14.20   | 13.70   | 14.30   | 15.00   |
|           |            | 25      | 25        | 14.06   | 13.58   | 14.38   | 15.00   |
|           |            | 50      | 0         | 14.07   | 13.56   | 14.19   | 15.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 42165   | 42590   | 43015   |         |
| 15MHz     | QPSK       | 1       | 0         | 14.03   | 13.66   | 14.07   | 15.00   |
|           |            | 1       | 38        | 13.98   | 13.52   | 14.19   | 15.00   |
|           |            | 1       | 74        | 13.91   | 13.56   | 14.23   | 15.00   |
|           |            | 36      | 0         | 14.06   | 13.70   | 14.12   | 15.00   |
|           |            | 36      | 18        | 13.96   | 13.64   | 14.24   | 15.00   |



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|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 36      | 39        | 13.97   | 13.56   | 14.29   | 15.00   |
|           |            | 75      | 0         | 13.95   | 13.50   | 14.28   | 15.00   |
|           | 16QAM      | 1       | 0         | 13.96   | 13.53   | 13.94   | 15.00   |
|           |            | 1       | 38        | 13.94   | 13.68   | 14.21   | 15.00   |
|           |            | 1       | 74        | 14.00   | 13.70   | 14.30   | 15.00   |
|           |            | 36      | 0         | 14.10   | 13.65   | 14.17   | 15.00   |
|           |            | 36      | 18        | 14.00   | 13.55   | 14.20   | 15.00   |
|           |            | 36      | 39        | 14.00   | 13.55   | 14.29   | 15.00   |
|           |            | 75      | 0         | 14.12   | 13.68   | 14.23   | 15.00   |
|           | 64QAM      | 1       | 0         | 13.67   | 13.33   | 13.70   | 15.00   |
|           |            | 1       | 38        | 13.65   | 13.43   | 13.91   | 15.00   |
|           |            | 1       | 74        | 13.70   | 13.19   | 13.87   | 15.00   |
|           |            | 36      | 0         | 14.14   | 13.56   | 14.29   | 15.00   |
|           |            | 36      | 18        | 14.14   | 13.67   | 14.19   | 15.00   |
|           |            | 36      | 39        | 13.98   | 13.57   | 14.30   | 15.00   |
|           |            | 75      | 0         | 13.99   | 13.52   | 14.21   | 15.00   |
|           | 256QAM     | 1       | 0         | 13.71   | 13.45   | 13.93   | 15.00   |
|           |            | 1       | 38        | 13.94   | 13.60   | 14.03   | 15.00   |
|           |            | 1       | 74        | 13.78   | 13.52   | 14.09   | 15.00   |
|           |            | 36      | 0         | 14.14   | 13.70   | 14.26   | 15.00   |
|           |            | 36      | 18        | 14.07   | 13.71   | 14.36   | 15.00   |
|           |            | 36      | 39        | 14.00   | 13.60   | 14.34   | 15.00   |
|           |            | 75      | 0         | 14.01   | 13.57   | 14.28   | 15.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 42190   | 42590   | 42990   |         |
| 20MHz     | QPSK       | 1       | 0         | 13.97   | 13.72   | 14.05   | 15.00   |
|           |            | 1       | 50        | 13.97   | 13.59   | 14.15   | 15.00   |
|           |            | 1       | 99        | 13.92   | 13.58   | 14.25   | 15.00   |
|           |            | 50      | 0         | 14.01   | 13.62   | 14.16   | 15.00   |
|           |            | 50      | 25        | 14.05   | 13.60   | 14.23   | 15.00   |
|           |            | 50      | 50        | 14.06   | 13.65   | 14.27   | 15.00   |
|           |            | 100     | 0         | 14.02   | 13.60   | 14.21   | 15.00   |
|           | 16QAM      | 1       | 0         | 13.87   | 13.60   | 13.98   | 15.00   |
|           |            | 1       | 50        | 14.01   | 13.62   | 14.22   | 15.00   |
|           |            | 1       | 99        | 13.95   | 13.61   | 14.33   | 15.00   |
|           |            | 50      | 0         | 14.02   | 13.64   | 14.15   | 15.00   |
|           |            | 50      | 25        | 14.08   | 13.62   | 14.23   | 15.00   |
|           |            | 50      | 50        | 14.04   | 13.62   | 14.29   | 15.00   |
|           |            | 100     | 0         | 14.05   | 13.63   | 14.25   | 15.00   |



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|--|--------|-----|----|-------|-------|-------|-------|
|  | 64QAM  | 1   | 0  | 13.61 | 13.27 | 13.72 | 15.00 |
|  |        | 1   | 50 | 13.71 | 13.33 | 13.86 | 15.00 |
|  |        | 1   | 99 | 13.64 | 13.28 | 13.97 | 15.00 |
|  |        | 50  | 0  | 14.04 | 13.64 | 14.19 | 15.00 |
|  |        | 50  | 25 | 14.09 | 13.66 | 14.25 | 15.00 |
|  |        | 50  | 50 | 14.05 | 13.64 | 14.30 | 15.00 |
|  |        | 100 | 0  | 14.02 | 13.61 | 14.20 | 15.00 |
|  | 256QAM | 1   | 0  | 13.80 | 13.47 | 13.89 | 15.00 |
|  |        | 1   | 50 | 13.89 | 13.50 | 14.08 | 15.00 |
|  |        | 1   | 99 | 13.85 | 13.48 | 14.19 | 15.00 |
|  |        | 50  | 0  | 14.09 | 13.67 | 14.20 | 15.00 |
|  |        | 50  | 25 | 14.13 | 13.68 | 14.27 | 15.00 |
|  |        | 50  | 50 | 14.09 | 13.66 | 14.33 | 15.00 |
|  |        | 100 | 0  | 14.06 | 13.61 | 14.22 | 15.00 |

| LTE Band 42 Eci7 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 42115                | 42590   | 43065   |         |
| 5MHz             | QPSK       | 1       | 0         | 10.43                | 9.91    | 10.45   | 11.50   |
|                  |            | 1       | 13        | 10.33                | 9.92    | 10.68   | 11.50   |
|                  |            | 1       | 24        | 10.29                | 10.11   | 10.70   | 11.50   |
|                  |            | 12      | 0         | 10.49                | 10.12   | 10.69   | 11.50   |
|                  |            | 12      | 6         | 10.55                | 10.03   | 10.72   | 11.50   |
|                  |            | 12      | 13        | 10.46                | 10.03   | 10.80   | 11.50   |
|                  |            | 25      | 0         | 10.53                | 9.98    | 10.62   | 11.50   |
|                  | 16QAM      | 1       | 0         | 10.51                | 10.06   | 10.37   | 11.50   |
|                  |            | 1       | 13        | 10.56                | 10.04   | 10.81   | 11.50   |
|                  |            | 1       | 24        | 10.60                | 10.14   | 10.89   | 11.50   |
|                  |            | 12      | 0         | 10.60                | 10.14   | 10.68   | 11.50   |
|                  |            | 12      | 6         | 10.49                | 10.01   | 10.60   | 11.50   |
|                  |            | 12      | 13        | 10.49                | 10.04   | 10.72   | 11.50   |
|                  |            | 25      | 0         | 10.43                | 10.09   | 10.76   | 11.50   |
|                  | 64QAM      | 1       | 0         | 10.04                | 9.59    | 10.21   | 11.50   |
|                  |            | 1       | 13        | 10.25                | 9.74    | 10.51   | 11.50   |
|                  |            | 1       | 24        | 10.24                | 9.72    | 10.46   | 11.50   |
|                  |            | 12      | 0         | 10.36                | 10.03   | 10.56   | 11.50   |
|                  |            | 12      | 6         | 10.46                | 10.15   | 10.77   | 11.50   |
|                  |            | 12      | 13        | 10.42                | 10.07   | 10.65   | 11.50   |



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|           |            | 25      | 0         | 10.44   | 10.15   | 10.71   | 11.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           | 256QAM     | 1       | 0         | 10.37   | 9.79    | 10.36   | 11.50   |
|           |            | 1       | 13        | 10.39   | 10.06   | 10.43   | 11.50   |
|           |            | 1       | 24        | 10.37   | 10.01   | 10.74   | 11.50   |
|           |            | 12      | 0         | 10.53   | 10.23   | 10.60   | 11.50   |
|           |            | 12      | 6         | 10.59   | 10.04   | 10.66   | 11.50   |
|           |            | 12      | 13        | 10.60   | 10.03   | 10.79   | 11.50   |
|           |            | 25      | 0         | 10.42   | 10.16   | 10.74   | 11.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 42140   | 42590   | 43040   |         |
| 10MHz     | QPSK       | 1       | 0         | 10.33   | 9.91    | 10.40   | 11.50   |
|           |            | 1       | 25        | 10.34   | 9.99    | 10.66   | 11.50   |
|           |            | 1       | 49        | 10.33   | 10.01   | 10.81   | 11.50   |
|           |            | 25      | 0         | 10.53   | 10.07   | 10.71   | 11.50   |
|           |            | 25      | 13        | 10.48   | 10.09   | 10.79   | 11.50   |
|           |            | 25      | 25        | 10.58   | 10.11   | 10.72   | 11.50   |
|           |            | 50      | 0         | 10.56   | 9.98    | 10.64   | 11.50   |
|           | 16QAM      | 1       | 0         | 10.43   | 9.98    | 10.51   | 11.50   |
|           |            | 1       | 25        | 10.54   | 10.09   | 10.71   | 11.50   |
|           |            | 1       | 49        | 10.55   | 10.04   | 10.91   | 11.50   |
|           |            | 25      | 0         | 10.59   | 10.09   | 10.63   | 11.50   |
|           |            | 25      | 13        | 10.66   | 10.13   | 10.77   | 11.50   |
|           |            | 25      | 25        | 10.58   | 10.15   | 10.68   | 11.50   |
|           |            | 50      | 0         | 10.52   | 10.15   | 10.83   | 11.50   |
|           | 64QAM      | 1       | 0         | 10.18   | 9.76    | 10.25   | 11.50   |
|           |            | 1       | 25        | 10.13   | 9.80    | 10.38   | 11.50   |
|           |            | 1       | 49        | 10.07   | 9.82    | 10.38   | 11.50   |
|           |            | 25      | 0         | 10.54   | 10.02   | 10.71   | 11.50   |
|           |            | 25      | 13        | 10.49   | 10.17   | 10.74   | 11.50   |
|           |            | 25      | 25        | 10.46   | 10.21   | 10.86   | 11.50   |
|           |            | 50      | 0         | 10.53   | 9.96    | 10.62   | 11.50   |
|           | 256QAM     | 1       | 0         | 10.22   | 9.83    | 10.43   | 11.50   |
|           |            | 1       | 25        | 10.33   | 9.99    | 10.46   | 11.50   |
|           |            | 1       | 49        | 10.35   | 9.82    | 10.55   | 11.50   |
|           |            | 25      | 0         | 10.44   | 10.21   | 10.76   | 11.50   |
|           |            | 25      | 13        | 10.62   | 10.05   | 10.82   | 11.50   |
|           |            | 25      | 25        | 10.52   | 10.05   | 10.80   | 11.50   |
|           |            | 50      | 0         | 10.51   | 10.01   | 10.79   | 11.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |



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|           |            |         |           | 42165   | 42590   | 43015   |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
| 15MHz     | QPSK       | 1       | 0         | 10.29   | 10.11   | 10.50   | 11.50   |
|           |            | 1       | 38        | 10.43   | 10.07   | 10.75   | 11.50   |
|           |            | 1       | 74        | 10.32   | 10.10   | 10.58   | 11.50   |
|           |            | 36      | 0         | 10.47   | 10.04   | 10.63   | 11.50   |
|           |            | 36      | 18        | 10.49   | 10.11   | 10.63   | 11.50   |
|           |            | 36      | 39        | 10.49   | 10.11   | 10.84   | 11.50   |
|           |            | 75      | 0         | 10.46   | 10.02   | 10.70   | 11.50   |
|           | 16QAM      | 1       | 0         | 10.40   | 10.06   | 10.53   | 11.50   |
|           |            | 1       | 38        | 10.56   | 10.07   | 10.81   | 11.50   |
|           |            | 1       | 74        | 10.45   | 10.06   | 10.91   | 11.50   |
|           |            | 36      | 0         | 10.52   | 10.17   | 10.53   | 11.50   |
|           |            | 36      | 18        | 10.65   | 10.02   | 10.70   | 11.50   |
|           |            | 36      | 39        | 10.39   | 9.99    | 10.88   | 11.50   |
|           |            | 75      | 0         | 10.47   | 10.06   | 10.64   | 11.50   |
|           | 64QAM      | 1       | 0         | 10.10   | 9.66    | 10.11   | 11.50   |
|           |            | 1       | 38        | 10.10   | 9.78    | 10.41   | 11.50   |
|           |            | 1       | 74        | 10.06   | 9.81    | 10.60   | 11.50   |
|           |            | 36      | 0         | 10.44   | 10.15   | 10.54   | 11.50   |
|           |            | 36      | 18        | 10.43   | 10.20   | 10.74   | 11.50   |
|           |            | 36      | 39        | 10.49   | 10.03   | 10.84   | 11.50   |
|           |            | 75      | 0         | 10.54   | 10.03   | 10.75   | 11.50   |
|           | 256QAM     | 1       | 0         | 10.21   | 9.90    | 10.38   | 11.50   |
|           |            | 1       | 38        | 10.33   | 9.94    | 10.55   | 11.50   |
|           |            | 1       | 74        | 10.35   | 9.84    | 10.73   | 11.50   |
|           |            | 36      | 0         | 10.46   | 10.15   | 10.65   | 11.50   |
|           |            | 36      | 18        | 10.52   | 10.07   | 10.81   | 11.50   |
|           |            | 36      | 39        | 10.58   | 10.13   | 10.82   | 11.50   |
|           |            | 75      | 0         | 10.55   | 10.13   | 10.67   | 11.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 42190   | 42590   | 42990   |         |
| 20MHz     | QPSK       | 1       | 0         | 10.49   | 10.06   | 10.45   | 11.50   |
|           |            | 1       | 50        | 10.48   | 10.07   | 10.67   | 11.50   |
|           |            | 1       | 99        | 10.43   | 10.09   | 10.73   | 11.50   |
|           |            | 50      | 0         | 10.51   | 10.10   | 10.66   | 11.50   |
|           |            | 50      | 25        | 10.54   | 10.09   | 10.74   | 11.50   |
|           |            | 50      | 50        | 10.55   | 10.10   | 10.79   | 11.50   |
|           |            | 100     | 0         | 10.51   | 10.09   | 10.72   | 11.50   |
|           | 16QAM      | 1       | 0         | 10.49   | 10.06   | 10.52   | 11.50   |



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|  |        |     |    |       |       |       |       |
|--|--------|-----|----|-------|-------|-------|-------|
|  |        | 1   | 50 | 10.56 | 10.13 | 10.74 | 11.50 |
|  |        | 1   | 99 | 10.52 | 10.12 | 10.84 | 11.50 |
|  |        | 50  | 0  | 10.52 | 10.14 | 10.68 | 11.50 |
|  |        | 50  | 25 | 10.58 | 10.15 | 10.75 | 11.50 |
|  |        | 50  | 50 | 10.54 | 10.12 | 10.80 | 11.50 |
|  |        | 100 | 0  | 10.53 | 10.12 | 10.76 | 11.50 |
|  | 64QAM  | 1   | 0  | 10.10 | 9.72  | 10.25 | 11.50 |
|  |        | 1   | 50 | 10.19 | 9.84  | 10.44 | 11.50 |
|  |        | 1   | 99 | 10.16 | 9.81  | 10.52 | 11.50 |
|  |        | 50  | 0  | 10.51 | 10.13 | 10.68 | 11.50 |
|  |        | 50  | 25 | 10.56 | 10.13 | 10.76 | 11.50 |
|  |        | 50  | 50 | 10.53 | 10.13 | 10.80 | 11.50 |
|  | 256QAM | 100 | 0  | 10.52 | 10.09 | 10.71 | 11.50 |
|  |        | 1   | 0  | 10.30 | 9.84  | 10.40 | 11.50 |
|  |        | 1   | 50 | 10.36 | 9.98  | 10.58 | 11.50 |
|  |        | 1   | 99 | 10.35 | 9.97  | 10.68 | 11.50 |
|  |        | 50  | 0  | 10.57 | 10.15 | 10.71 | 11.50 |
|  |        | 50  | 25 | 10.62 | 10.15 | 10.78 | 11.50 |
|  |        | 50  | 50 | 10.59 | 10.16 | 10.83 | 11.50 |
|  |        | 100 | 0  | 10.53 | 10.10 | 10.72 | 11.50 |

| LTE Band 42 Eci6 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 42115                | 42590   | 43065   |         |
| 5MHz             | QPSK       | 1       | 0         | 18.94                | 18.92   | 19.18   | 20.00   |
|                  |            | 1       | 13        | 18.98                | 18.69   | 19.31   | 20.00   |
|                  |            | 1       | 24        | 19.05                | 18.68   | 19.40   | 20.00   |
|                  |            | 12      | 0         | 19.16                | 18.62   | 19.18   | 20.00   |
|                  |            | 12      | 6         | 19.17                | 18.72   | 19.24   | 20.00   |
|                  |            | 12      | 13        | 19.25                | 18.84   | 19.38   | 20.00   |
|                  |            | 25      | 0         | 19.11                | 18.61   | 19.38   | 20.00   |
|                  | 16QAM      | 1       | 0         | 19.06                | 18.65   | 19.16   | 20.00   |
|                  |            | 1       | 13        | 19.07                | 18.74   | 19.31   | 20.00   |
|                  |            | 1       | 24        | 19.12                | 18.68   | 19.45   | 20.00   |
|                  |            | 12      | 0         | 18.67                | 18.26   | 18.71   | 19.50   |
|                  |            | 12      | 6         | 18.72                | 18.28   | 18.87   | 19.50   |
|                  |            | 12      | 13        | 18.74                | 18.24   | 18.83   | 19.50   |
|                  |            | 25      | 0         | 18.57                | 18.19   | 18.83   | 19.50   |



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|           | 64QAM      | 1       | 0         | 18.27   | 17.83   | 18.23   | 19.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 13        | 18.25   | 17.86   | 18.45   | 19.50   |
|           |            | 1       | 24        | 18.32   | 17.87   | 18.56   | 19.50   |
|           |            | 12      | 0         | 17.57   | 17.21   | 17.71   | 18.50   |
|           |            | 12      | 6         | 17.54   | 17.08   | 17.71   | 18.50   |
|           |            | 12      | 13        | 17.65   | 17.16   | 17.72   | 18.50   |
|           |            | 25      | 0         | 17.50   | 17.01   | 17.61   | 18.50   |
|           | 256QAM     | 1       | 0         | 15.26   | 14.91   | 15.30   | 16.50   |
|           |            | 1       | 13        | 15.47   | 15.06   | 15.67   | 16.50   |
|           |            | 1       | 24        | 15.31   | 14.97   | 15.60   | 16.50   |
|           |            | 12      | 0         | 15.67   | 15.21   | 15.78   | 16.50   |
|           |            | 12      | 6         | 15.70   | 15.17   | 15.72   | 16.50   |
|           |            | 12      | 13        | 15.56   | 15.11   | 15.79   | 16.50   |
|           |            | 25      | 0         | 15.64   | 15.21   | 15.68   | 16.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 42140   | 42590   | 43040   |         |
| 10MHz     | QPSK       | 1       | 0         | 18.87   | 18.91   | 19.07   | 20.00   |
|           |            | 1       | 25        | 18.97   | 18.70   | 19.28   | 20.00   |
|           |            | 1       | 49        | 19.02   | 18.69   | 19.44   | 20.00   |
|           |            | 25      | 0         | 19.20   | 18.72   | 19.25   | 20.00   |
|           |            | 25      | 13        | 19.19   | 18.68   | 19.30   | 20.00   |
|           |            | 25      | 25        | 19.07   | 18.74   | 19.38   | 20.00   |
|           |            | 50      | 0         | 19.09   | 18.74   | 19.33   | 20.00   |
|           | 16QAM      | 1       | 0         | 19.05   | 18.71   | 19.03   | 20.00   |
|           |            | 1       | 25        | 19.11   | 18.65   | 19.36   | 20.00   |
|           |            | 1       | 49        | 19.08   | 18.62   | 19.50   | 20.00   |
|           |            | 25      | 0         | 18.66   | 18.22   | 18.82   | 19.50   |
|           |            | 25      | 13        | 18.65   | 18.23   | 18.83   | 19.50   |
|           |            | 25      | 25        | 18.73   | 18.27   | 18.84   | 19.50   |
|           |            | 50      | 0         | 18.75   | 18.15   | 18.89   | 19.50   |
|           | 64QAM      | 1       | 0         | 18.11   | 17.81   | 18.33   | 19.50   |
|           |            | 1       | 25        | 18.37   | 17.89   | 18.40   | 19.50   |
|           |            | 1       | 49        | 18.23   | 17.80   | 18.66   | 19.50   |
|           |            | 25      | 0         | 17.62   | 17.07   | 17.74   | 18.50   |
|           |            | 25      | 13        | 17.58   | 17.15   | 17.84   | 18.50   |
|           |            | 25      | 25        | 17.65   | 17.21   | 17.74   | 18.50   |
|           |            | 50      | 0         | 17.55   | 17.17   | 17.78   | 18.50   |
|           | 256QAM     | 1       | 0         | 15.29   | 14.90   | 15.42   | 16.50   |
|           |            | 1       | 25        | 15.49   | 14.98   | 15.49   | 16.50   |



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|           |            | 1       | 49        | 15.38   | 14.97   | 15.65   | 16.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 0         | 15.50   | 15.13   | 15.60   | 16.50   |
|           |            | 25      | 13        | 15.64   | 15.11   | 15.79   | 16.50   |
|           |            | 25      | 25        | 15.56   | 15.19   | 15.78   | 16.50   |
|           |            | 50      | 0         | 15.62   | 15.08   | 15.62   | 16.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 42165   | 42590   | 43015   |         |
| 15MHz     | QPSK       | 1       | 0         | 18.88   | 18.84   | 19.14   | 20.00   |
|           |            | 1       | 38        | 19.16   | 18.72   | 19.23   | 20.00   |
|           |            | 1       | 74        | 19.12   | 18.75   | 19.32   | 20.00   |
|           |            | 36      | 0         | 19.20   | 18.67   | 19.18   | 20.00   |
|           |            | 36      | 18        | 19.09   | 18.80   | 19.25   | 20.00   |
|           |            | 36      | 39        | 19.18   | 18.65   | 19.40   | 20.00   |
|           |            | 75      | 0         | 19.15   | 18.62   | 19.37   | 20.00   |
|           | 16QAM      | 1       | 0         | 19.04   | 18.64   | 19.15   | 20.00   |
|           |            | 1       | 38        | 19.11   | 18.71   | 19.27   | 20.00   |
|           |            | 1       | 74        | 19.11   | 18.66   | 19.48   | 20.00   |
|           |            | 36      | 0         | 18.58   | 18.28   | 18.77   | 19.50   |
|           |            | 36      | 18        | 18.77   | 18.13   | 18.88   | 19.50   |
|           |            | 36      | 39        | 18.69   | 18.21   | 18.88   | 19.50   |
|           |            | 75      | 0         | 18.56   | 18.18   | 18.80   | 19.50   |
|           | 64QAM      | 1       | 0         | 18.22   | 17.82   | 18.36   | 19.50   |
|           |            | 1       | 38        | 18.23   | 17.95   | 18.54   | 19.50   |
|           |            | 1       | 74        | 18.17   | 17.83   | 18.62   | 19.50   |
|           |            | 36      | 0         | 17.53   | 17.13   | 17.64   | 18.50   |
|           |            | 36      | 18        | 17.63   | 17.12   | 17.75   | 18.50   |
|           |            | 36      | 39        | 17.64   | 17.10   | 17.73   | 18.50   |
|           |            | 75      | 0         | 17.55   | 17.09   | 17.79   | 18.50   |
|           | 256QAM     | 1       | 0         | 15.36   | 15.06   | 15.38   | 16.50   |
|           |            | 1       | 38        | 15.38   | 15.07   | 15.66   | 16.50   |
|           |            | 1       | 74        | 15.25   | 14.94   | 15.60   | 16.50   |
|           |            | 36      | 0         | 15.64   | 15.17   | 15.78   | 16.50   |
|           |            | 36      | 18        | 15.63   | 15.11   | 15.87   | 16.50   |
|           |            | 36      | 39        | 15.51   | 15.19   | 15.91   | 16.50   |
|           |            | 75      | 0         | 15.61   | 15.14   | 15.64   | 16.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 42190   | 42590   | 42990   |         |
| 20MHz     | QPSK       | 1       | 0         | 18.87   | 18.90   | 19.11   | 20.00   |
|           |            | 1       | 50        | 19.07   | 18.69   | 19.25   | 20.00   |



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|  |        |     |    |       |       |       |       |
|--|--------|-----|----|-------|-------|-------|-------|
|  |        | 1   | 99 | 19.02 | 18.68 | 19.35 | 20.00 |
|  |        | 50  | 0  | 19.11 | 18.72 | 19.26 | 20.00 |
|  |        | 50  | 25 | 19.15 | 18.70 | 19.33 | 20.00 |
|  |        | 50  | 50 | 19.16 | 18.95 | 19.37 | 20.00 |
|  |        | 100 | 0  | 19.12 | 18.70 | 19.31 | 20.00 |
|  | 16QAM  | 1   | 0  | 18.97 | 18.70 | 19.08 | 20.00 |
|  |        | 1   | 50 | 19.11 | 18.72 | 19.32 | 20.00 |
|  |        | 1   | 99 | 19.05 | 18.71 | 19.43 | 20.00 |
|  |        | 50  | 0  | 18.62 | 18.24 | 18.75 | 19.50 |
|  |        | 50  | 25 | 18.68 | 18.22 | 18.83 | 19.50 |
|  |        | 50  | 50 | 18.64 | 18.22 | 18.89 | 19.50 |
|  |        | 100 | 0  | 18.65 | 18.23 | 18.85 | 19.50 |
|  | 64QAM  | 1   | 0  | 18.21 | 17.87 | 18.32 | 19.50 |
|  |        | 1   | 50 | 18.31 | 17.93 | 18.46 | 19.50 |
|  |        | 1   | 99 | 18.24 | 17.88 | 18.57 | 19.50 |
|  |        | 50  | 0  | 17.54 | 17.14 | 17.69 | 18.50 |
|  |        | 50  | 25 | 17.59 | 17.16 | 17.75 | 18.50 |
|  |        | 50  | 50 | 17.55 | 17.14 | 17.80 | 18.50 |
|  |        | 100 | 0  | 17.52 | 17.11 | 17.70 | 18.50 |
|  | 256QAM | 1   | 0  | 15.30 | 14.97 | 15.39 | 16.50 |
|  |        | 1   | 50 | 15.39 | 15.00 | 15.58 | 16.50 |
|  |        | 1   | 99 | 15.35 | 14.98 | 15.69 | 16.50 |
|  |        | 50  | 0  | 15.59 | 15.17 | 15.70 | 16.50 |
|  |        | 50  | 25 | 15.63 | 15.18 | 15.77 | 16.50 |
|  |        | 50  | 50 | 15.59 | 15.16 | 15.83 | 16.50 |



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## 9 Conducted Power of LTE Uplink CA

### 9.1 Conducted Power of LTE Uplink CA (Ant0)

| Combination | Modulation | PCC  |          |            |        |              | SCC  |          |            |        |              | ECI2/4/9 |              | ECI3/7 |              |
|-------------|------------|------|----------|------------|--------|--------------|------|----------|------------|--------|--------------|----------|--------------|--------|--------------|
|             |            | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | Power    | Tune-up(dBm) | Power  | Tune-up(dBm) |
| CA_41C      | QPSK       | 41   | 20       | 39750      | 1      | 99           | 41   | 20       | 39948      | 1      | 0            | 21.41    | 22.00        | 18.92  | 19.50        |
| CA_41C      | QPSK       | 41   | 20       | 40185      | 1      | 99           | 41   | 20       | 40383      | 1      | 0            | 21.01    | 22.00        | 18.75  | 19.50        |
| CA_41C      | QPSK       | 41   | 20       | 40620      | 1      | 99           | 41   | 20       | 40818      | 1      | 0            | 20.93    | 22.00        | 18.64  | 19.50        |
| CA_41C      | QPSK       | 41   | 20       | 40620      | 1      | 0            | 41   | 20       | 40422      | 1      | 99           | 20.85    | 22.00        | 18.59  | 19.50        |
| CA_41C      | QPSK       | 41   | 20       | 41055      | 1      | 0            | 41   | 20       | 40857      | 1      | 99           | 20.91    | 22.00        | 18.6   | 19.50        |
| CA_41C      | QPSK       | 41   | 20       | 41490      | 1      | 0            | 41   | 20       | 41292      | 1      | 99           | 20.8     | 22.00        | 18.46  | 19.50        |

### 9.2 Conducted Power of LTE Uplink CA (Ant1)

| Combination | Modulation | PCC  |          |            |        |              | SCC  |          |            |        |              | ECI2  |              | ECI3  |              | ECI4  |              | ECI7  |              | ECI19 |              |
|-------------|------------|------|----------|------------|--------|--------------|------|----------|------------|--------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|
|             |            | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | Power | Tune-up(dBm) | Power | Tune-up(dBm) | Power | Tune-up(dBm) | Power | Tune-up(dBm) | Power | Tune-up(dBm) |
| CA_41C      | QPSK       | 41   | 20       | 39750      | 1      | 99           | 41   | 20       | 39948      | 1      | 0            | 16.89 | 17.50        | 18.88 | 19.50        | 21.23 | 22.00        | 14.89 | 15.50        | 19.43 | 20.00        |
| CA_41C      | QPSK       | 41   | 20       | 40185      | 1      | 99           | 41   | 20       | 40383      | 1      | 0            | 16.83 | 17.50        | 18.77 | 19.50        | 21.14 | 22.00        | 14.82 | 15.50        | 19.31 | 20.00        |
| CA_41C      | QPSK       | 41   | 20       | 40620      | 1      | 99           | 41   | 20       | 40818      | 1      | 0            | 16.91 | 17.50        | 18.9  | 19.50        | 21.19 | 22.00        | 14.85 | 15.50        | 19.42 | 20.00        |
| CA_41C      | QPSK       | 41   | 20       | 40620      | 1      | 0            | 41   | 20       | 40422      | 1      | 99           | 16.99 | 17.50        | 18.96 | 19.50        | 21.22 | 22.00        | 14.99 | 15.50        | 19.55 | 20.00        |
| CA_41C      | QPSK       | 41   | 20       | 41055      | 1      | 0            | 41   | 20       | 40857      | 1      | 99           | 16.95 | 17.50        | 18.88 | 19.50        | 21.18 | 22.00        | 14.91 | 15.50        | 19.43 | 20.00        |
| CA_41C      | QPSK       | 41   | 20       | 41490      | 1      | 0            | 41   | 20       | 41292      | 1      | 99           | 16.7  | 17.50        | 18.62 | 19.50        | 21.04 | 22.00        | 14.64 | 15.50        | 19.24 | 20.00        |

### 9.3 Conducted Power of LTE Uplink CA (Ant2)

| Combination | Modulation | PCC  |          |            |        |              | SCC  |          |            |        |              | ECI2/3/4/19 |              | ECI7  |              |
|-------------|------------|------|----------|------------|--------|--------------|------|----------|------------|--------|--------------|-------------|--------------|-------|--------------|
|             |            | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | Power       | Tune-up(dBm) | Power | Tune-up(dBm) |
| CA_41C      | QPSK       | 41   | 20       | 39750      | 1      | 99           | 41   | 20       | 39948      | 1      | 0            | 22.65       | 23.50        | 22.25 | 23.00        |
| CA_41C      | QPSK       | 41   | 20       | 40185      | 1      | 99           | 41   | 20       | 40383      | 1      | 0            | 22.33       | 23.50        | 22.1  | 23.00        |
| CA_41C      | QPSK       | 41   | 20       | 40620      | 1      | 99           | 41   | 20       | 40818      | 1      | 0            | 22.51       | 23.50        | 22.31 | 23.00        |
| CA_41C      | QPSK       | 41   | 20       | 40620      | 1      | 0            | 41   | 20       | 40422      | 1      | 99           | 22.5        | 23.50        | 22.37 | 23.00        |
| CA_41C      | QPSK       | 41   | 20       | 41055      | 1      | 0            | 41   | 20       | 40857      | 1      | 99           | 22.57       | 23.50        | 22.28 | 23.00        |
| CA_41C      | QPSK       | 41   | 20       | 41490      | 1      | 0            | 41   | 20       | 41292      | 1      | 99           | 22.15       | 23.50        | 21.98 | 23.00        |



## 9.4 Conducted Power of LTE Uplink CA (Ant4)

| Combination | Modulation | PCC  |          |            |        |              | SCC  |          |            |        |              | ECI2/3 |              | ECI4/19 |              | ECI7  |              |
|-------------|------------|------|----------|------------|--------|--------------|------|----------|------------|--------|--------------|--------|--------------|---------|--------------|-------|--------------|
|             |            | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | Power  | Tune-up(dBm) | Power   | Tune-up(dBm) | Power | Tune-up(dBm) |
| CA_42C      | QPSK       | 42   | 20       | 42190      | 1      | 99           | 42   | 20       | 42388      | 1      | 0            | 15.80  | 17.00        | 20.16   | 21.50        | 15.03 | 16.50        |
| CA_42C      | QPSK       | 42   | 20       | 42590      | 1      | 99           | 42   | 20       | 42788      | 1      | 0            | 15.7   | 17.00        | 20.07   | 21.50        | 14.93 | 16.50        |
| CA_42C      | QPSK       | 42   | 20       | 42590      | 1      | 0            | 42   | 20       | 42392      | 1      | 99           | 15.65  | 17.00        | 20.05   | 21.50        | 14.94 | 16.50        |
| CA_42C      | QPSK       | 42   | 20       | 42990      | 1      | 0            | 42   | 20       | 42792      | 1      | 99           | 16.07  | 17.00        | 20.51   | 21.50        | 15.36 | 16.50        |

## 9.5 Conducted Power of LTE Uplink CA (Ant7)

| Combination | Modulation | PCC  |          |            |        |              | SCC  |          |            |        |              | ECI2  |              | ECI3  |              | ECI4  |              | ECI7  |              | ECI19 |              |
|-------------|------------|------|----------|------------|--------|--------------|------|----------|------------|--------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|
|             |            | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | Power | Tune-up(dBm) | Power | Tune-up(dBm) | Power | Tune-up(dBm) | Power | Tune-up(dBm) | Power | Tune-up(dBm) |
| CA_42C      | QPSK       | 42   | 20       | 42190      | 1      | 99           | 42   | 20       | 42388      | 1      | 0            | 14.93 | 16.00        | 15.90 | 17.00        | 22.77 | 24.00        | 13.87 | 15.50        | 16.40 | 18.00        |
| CA_42C      | QPSK       | 42   | 20       | 42590      | 1      | 99           | 42   | 20       | 42788      | 1      | 0            | 15.00 | 16.00        | 16.04 | 17.00        | 22.87 | 24.00        | 14.04 | 15.50        | 16.46 | 18.00        |
| CA_42C      | QPSK       | 42   | 20       | 42590      | 1      | 0            | 42   | 20       | 42392      | 1      | 99           | 14.86 | 16.00        | 15.89 | 17.00        | 22.76 | 24.00        | 13.86 | 15.50        | 16.53 | 18.00        |
| CA_42C      | QPSK       | 42   | 20       | 42990      | 1      | 0            | 42   | 20       | 42792      | 1      | 99           | 15.16 | 16.00        | 16.50 | 17.00        | 23.40 | 24.00        | 14.46 | 15.50        | 16.96 | 18.00        |

## 9.6 Conducted Power of LTE Uplink CA (Ant8)

| Combination | Modulation | PCC  |          |            |        |              | SCC  |          |            |        |              | ECI2/3/4 |              | ECI7  |              | ECI19 |              |
|-------------|------------|------|----------|------------|--------|--------------|------|----------|------------|--------|--------------|----------|--------------|-------|--------------|-------|--------------|
|             |            | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | Power    | Tune-up(dBm) | Power | Tune-up(dBm) | Power | Tune-up(dBm) |
| CA_42C      | QPSK       | 42   | 20       | 42190      | 1      | 99           | 42   | 20       | 42388      | 1      | 0            | 22.21    | 23.00        | 19.86 | 21.00        | 20.33 | 21.50        |
| CA_42C      | QPSK       | 42   | 20       | 42590      | 1      | 99           | 42   | 20       | 42788      | 1      | 0            | 22.23    | 23.00        | 19.87 | 21.00        | 20.32 | 21.50        |
| CA_42C      | QPSK       | 42   | 20       | 42590      | 1      | 0            | 42   | 20       | 42392      | 1      | 99           | 22.39    | 23.00        | 19.90 | 21.00        | 20.39 | 21.50        |
| CA_42C      | QPSK       | 42   | 20       | 42990      | 1      | 0            | 42   | 20       | 42792      | 1      | 99           | 22.56    | 23.00        | 20.15 | 21.00        | 20.68 | 21.50        |

## 9.7 Conducted Power of LTE Uplink CA (Ant9)

| Combination | Modulation | PCC  |          |            |        |              | SCC  |          |            |        |              | ECI2  |              | ECI3/19 |              | ECI4  |              | ECI7  |              |
|-------------|------------|------|----------|------------|--------|--------------|------|----------|------------|--------|--------------|-------|--------------|---------|--------------|-------|--------------|-------|--------------|
|             |            | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | Power | Tune-up(dBm) | Power   | Tune-up(dBm) | Power | Tune-up(dBm) | Power | Tune-up(dBm) |
| CA_41C      | QPSK       | 41   | 20       | 39750      | 1      | 99           | 41   | 20       | 39948      | 1      | 0            | 19.15 | 20.00        | 18.74   | 19.50        | 22.41 | 23.50        | 13.21 | 14.00        |
| CA_41C      | QPSK       | 41   | 20       | 40185      | 1      | 99           | 41   | 20       | 40383      | 1      | 0            | 18.88 | 20.00        | 18.4    | 19.50        | 22.24 | 23.50        | 12.94 | 14.00        |
| CA_41C      | QPSK       | 41   | 20       | 40620      | 1      | 99           | 41   | 20       | 40818      | 1      | 0            | 19.14 | 20.00        | 18.63   | 19.50        | 22.51 | 23.50        | 13.17 | 14.00        |
| CA_41C      | QPSK       | 41   | 20       | 40620      | 1      | 0            | 41   | 20       | 40422      | 1      | 99           | 19.19 | 20.00        | 18.67   | 19.50        | 22.43 | 23.50        | 13.19 | 14.00        |
| CA_41C      | QPSK       | 41   | 20       | 41055      | 1      | 0            | 41   | 20       | 40857      | 1      | 99           | 19.11 | 20.00        | 18.63   | 19.50        | 22.45 | 23.50        | 13.16 | 14.00        |
| CA_41C      | QPSK       | 41   | 20       | 41490      | 1      | 0            | 41   | 20       | 41292      | 1      | 99           | 18.88 | 20.00        | 18.33   | 19.50        | 22.12 | 23.50        | 12.87 | 14.00        |



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## 9.8 Conducted Power of LTE Uplink CA (Ant10)

| Combination | Modulation | PCC  |          |            |        |              | SCC  |          |            |        |              | ECI2/4 |              | ECI3  |              | ECI7  |              | ECI19 |              |
|-------------|------------|------|----------|------------|--------|--------------|------|----------|------------|--------|--------------|--------|--------------|-------|--------------|-------|--------------|-------|--------------|
|             |            | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | Band | BW (MHz) | UL Channel | UL# RB | UL RB Offset | Power  | Tune-up(dBm) | Power | Tune-up(dBm) | Power | Tune-up(dBm) | Power | Tune-up(dBm) |
| CA_42C      | QPSK       | 42   | 20       | 42190      | 1      | 99           | 42   | 20       | 42388      | 1      | 0            | 20.31  | 21.50        | 13.83 | 15.00        | 10.34 | 11.50        | 18.79 | 20.00        |
| CA_42C      | QPSK       | 42   | 20       | 42590      | 1      | 99           | 42   | 20       | 42788      | 1      | 0            | 20.28  | 21.50        | 13.86 | 15.00        | 10.36 | 11.50        | 18.82 | 20.00        |
| CA_42C      | QPSK       | 42   | 20       | 42590      | 1      | 0            | 42   | 20       | 42392      | 1      | 99           | 20.35  | 21.50        | 13.83 | 15.00        | 10.27 | 11.50        | 18.88 | 20.00        |
| CA_42C      | QPSK       | 42   | 20       | 42990      | 1      | 0            | 42   | 20       | 42792      | 1      | 99           | 20.69  | 21.50        | 14.11 | 15.00        | 10.78 | 11.50        | 19.19 | 20.00        |



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## 10 Conducted Power of LTE Downlink CA

| DL LTE CA Class | PCC      |          |                |            |      |        |              | SCC1     |          | SCC2     |          | SCC3     |          | SCC4     |          | Power                  |                       |         |
|-----------------|----------|----------|----------------|------------|------|--------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|------------------------|-----------------------|---------|
|                 | LTE Band | BW (MHz) | UL Freq. (MHz) | UL Channel | Mod. | UL# RB | UL RB Offset | LTE Band | BW (MHz) | LTE Band | BW (MHz) | LTE Band | BW (MHz) | LTE Band | BW (MHz) | With CA Tx.Power (dBm) | W/O CA Tx.Power (dBm) | Tune up |
| CA_41A-42A      | Band 41  | 20M      | 2593           | 40620      | QPSK | 1      | 0            | Band 41  | 20M      | /        | /        | /        | /        | /        | /        | 22.95                  | 22.81                 | 23.5    |
|                 | Band 42  | 20M      | 3500           | 42590      | QPSK | 1      | 0            | Band 42  | 20M      | /        | /        | /        | /        | /        | /        | 24.12                  | 24.05                 | 25.0    |
| CA_41C          | Band 41  | 20M      | 2593           | 40620      | QPSK | 1      | 0            | Band 41  | 20M      | /        | /        | /        | /        | /        | /        | 22.95                  | 22.81                 | 23.5    |
| CA_42C          | Band 42  | 20M      | 3500           | 42590      | QPSK | 1      | 0            | Band 42  | 20M      | /        | /        | /        | /        | /        | /        | 24.25                  | 23.95                 | 25.0    |
| CA_66A-66A      | Band 66  | 20M      | 1745           | 132322     | QPSK | 1      | 0            | Band 66  | 20M      | /        | /        | /        | /        | /        | /        | 22.30                  | 22.25                 | 23.5    |
| CA_66B          | Band 66  | 20M      | 1745           | 132322     | QPSK | 1      | 0            | Band 66  | 20M      | /        | /        | /        | /        | /        | /        | 22.42                  | 22.20                 | 23.5    |
| CA_66C          | Band 66  | 20M      | 1745           | 132322     | QPSK | 1      | 0            | Band 66  | 20M      | /        | /        | /        | /        | /        | /        | 22.38                  | 22.12                 | 23.5    |
| CA_41A-42C      | Band 41  | 20M      | 2593           | 40620      | QPSK | 1      | 0            | Band 41  | 20M      | /        | /        | /        | /        | /        | /        | 22.85                  | 22.75                 | 23.5    |
|                 | Band 42  | 20M      | 3500           | 42590      | QPSK | 1      | 0            | Band 42  | 20M      | /        | /        | /        | /        | /        | /        | 24.10                  | 24.00                 | 25.0    |
| CA_41C-42A      | Band 41  | 20M      | 2593           | 40620      | QPSK | 1      | 0            | Band 41  | 20M      | /        | /        | /        | /        | /        | /        | 22.92                  | 22.68                 | 23.5    |
|                 | Band 42  | 20M      | 3500           | 42590      | QPSK | 1      | 0            | Band 42  | 20M      | /        | /        | /        | /        | /        | /        | 24.11                  | 23.95                 | 25.0    |
| CA_42D          | Band 42  | 20M      | 3500           | 42590      | QPSK | 1      | 0            | Band 42  | 20M      | /        | /        | /        | /        | /        | /        | 24.15                  | 24.02                 | 25.0    |
| CA_41C-42C      | Band 41  | 20M      | 2593           | 40620      | QPSK | 1      | 0            | Band 41  | 20M      | /        | /        | /        | /        | /        | /        | 22.91                  | 22.64                 | 23.5    |
|                 | Band 42  | 20M      | 3500           | 42590      | QPSK | 1      | 0            | Band 42  | 20M      | /        | /        | /        | /        | /        | /        | 24.05                  | 23.88                 | 25.0    |
| CA_42E          | Band 42  | 20M      | 3500           | 42590      | QPSK | 1      | 0            | Band 42  | 20M      | /        | /        | /        | /        | /        | /        | 23.98                  | 23.75                 | 25.0    |



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## 11 Conducted Power of NR Antenna

### 11.1 Conducted Power of NR Antenna (Ant0)

| N5 ECI 2/3/4/6/7 |                      |         |           | Conducted Power(dBm) |         |         |         |
|------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 15kHz        |                      |         |           |                      |         |         |         |
| Bandwidth        | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |                      |         |           | 166800               | 167300  | 167800  |         |
|                  |                      |         |           | 834                  | 836.5   | 839     |         |
| 20MHz            | DFT-s-OFDM PI/2 BPSK | 1       | 1         | 22.26                | 22.22   | 22.22   | 23.50   |
|                  |                      | 1       | 53        | 22.39                | 22.37   | 22.25   | 23.50   |
|                  |                      | 1       | 104       | 22.26                | 22.19   | 22.18   | 23.50   |
|                  |                      | 50      | 0         | 21.93                | 21.83   | 21.71   | 23.00   |
|                  |                      | 50      | 28        | 22.31                | 22.30   | 22.41   | 23.50   |
|                  |                      | 50      | 56        | 21.64                | 21.71   | 21.69   | 23.00   |
|                  |                      | 100     | 0         | 21.81                | 21.76   | 21.77   | 23.00   |
|                  | DFT-s-OFDM QPSK      | 1       | 1         | 22.26                | 22.20   | 22.23   | 23.50   |
|                  |                      | 1       | 53        | 22.33                | 22.38   | 22.34   | 23.50   |
|                  |                      | 1       | 104       | 22.23                | 22.23   | 22.18   | 23.50   |
|                  |                      | 50      | 0         | 21.36                | 21.29   | 21.20   | 22.50   |
|                  |                      | 50      | 28        | 22.36                | 22.36   | 22.34   | 23.50   |
|                  |                      | 50      | 56        | 21.23                | 21.26   | 21.20   | 22.50   |
|                  |                      | 100     | 0         | 21.29                | 21.27   | 21.20   | 22.50   |
|                  | DFT-s-OFDM 16QAM     | 1       | 1         | 20.94                | 20.95   | 20.98   | 22.50   |
|                  | DFT-s-OFDM 64QAM     | 1       | 1         | 19.44                | 19.53   | 19.59   | 21.00   |
|                  | DFT-s-OFDM 256QAM    | 1       | 1         | 18.18                | 18.28   | 18.36   | 19.00   |
| Bandwidth        | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |                      |         |           | 166800               | 167300  | 167800  |         |
| 20MHz            | CP-OFDM QPSK         | 1       | 1         | 20.72                | 20.73   | 20.64   | 22.00   |
| Bandwidth        | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |                      |         |           | 166300               | 167300  | 168300  |         |
| 15MHz            | DFT-s-OFDM QPSK      | 1       | 1         | 22.29                | 22.29   | 22.14   | 23.50   |
| Bandwidth        | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |                      |         |           | 165800               | 167300  | 168800  |         |
| 10MHz            | DFT-s-OFDM QPSK      | 1       | 1         | 22.23                | 22.27   | 22.18   | 23.50   |
| Bandwidth        | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |                      |         |           | 165300               | 167300  | 169300  |         |
| 5MHz             | DFT-s-OFDM QPSK      | 1       | 1         | 22.29                | 22.19   | 22.31   | 23.50   |



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| N41 ECI 2/4 |                         |         |           | Conducted Power(dBm) |         |         |         |         |         |
|-------------|-------------------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz   |                         |         |           |                      |         |         |         |         |         |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|             |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
|             |                         |         |           | 2546.01              | 2569.5  | 2592.99 | 2616.51 | 2640    |         |
| 100MHz      | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 21.75                | 22.05   | 21.85   | 21.66   | 21.81   | 23.00   |
|             |                         | 1       | 137       | 21.82                | 22.06   | 21.94   | 21.91   | 21.80   | 23.00   |
|             |                         | 1       | 271       | 21.79                | 21.82   | 21.68   | 21.71   | 21.98   | 23.00   |
|             |                         | 135     | 0         | 21.35                | 21.24   | 21.24   | 21.21   | 21.25   | 22.50   |
|             |                         | 135     | 69        | 21.97                | 22.12   | 22.02   | 21.96   | 22.03   | 23.00   |
|             |                         | 135     | 138       | 21.14                | 21.12   | 21.18   | 21.05   | 21.25   | 22.50   |
|             |                         | 270     | 0         | 21.12                | 21.28   | 21.25   | 21.15   | 21.23   | 22.50   |
|             | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.83                | 22.02   | 21.85   | 21.66   | 21.91   | 23.00   |
|             |                         | 1       | 137       | 21.92                | 21.98   | 21.91   | 21.81   | 21.81   | 23.00   |
|             |                         | 1       | 271       | 21.74                | 21.76   | 21.65   | 21.66   | 21.88   | 23.00   |
|             |                         | 135     | 0         | 20.89                | 20.77   | 20.81   | 20.80   | 20.83   | 22.00   |
|             |                         | 135     | 69        | 22.05                | 22.11   | 21.95   | 21.96   | 21.93   | 23.00   |
|             |                         | 135     | 138       | 20.67                | 20.53   | 20.63   | 20.61   | 20.71   | 22.00   |
|             |                         | 270     | 0         | 20.67                | 20.81   | 20.75   | 20.71   | 20.80   | 22.00   |
|             | DFT-s-OFDM<br>16QAM     | 1       | 1         | 20.56                | 20.52   | 20.59   | 20.52   | 20.60   | 22.00   |
|             | DFT-s-OFDM<br>64QAM     | 1       | 1         | 19.09                | 19.11   | 19.09   | 19.14   | 19.07   | 20.50   |
|             | DFT-s-OFDM<br>256QAM    | 1       | 1         | 17.66                | 17.69   | 17.74   | 17.68   | 17.78   | 18.50   |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
| 100MHz      | CP-OFDM<br>QPSK         | 1       | 1         | 509202               | 513900  | 518598  | 523302  | 528000  |         |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|             |                         |         |           | 508200               | 513402  | 518598  | 523800  | 528996  |         |
| 90MHz       | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.85                | 21.99   | 21.91   | 21.66   | 21.96   | 23.00   |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|             |                         |         |           | 507204               | 512904  | 518598  | 524298  | 529998  |         |
| 80MHz       | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.76                | 22.06   | 21.92   | 21.60   | 21.95   | 23.00   |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|             |                         |         |           | 506202               | 512403  | 518598  | 524799  | 530997  |         |
| 70MHz       | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.89                | 22.09   | 21.87   | 21.66   | 21.82   | 23.00   |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|             |                         |         |           | 505200               | 511902  | 518598  | 525300  | 531996  |         |
| 60MHz       | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.88                | 22.05   | 21.76   | 21.57   | 21.89   | 23.00   |
| Bandwidth   | Modulation              | RB size |           | Channel              | Channel | Channel | Channel | Channel | Tune up |



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|           |                 |         | RB offset | 504204         | 511404         | 518598         | 525798         | 532998         |         |
|-----------|-----------------|---------|-----------|----------------|----------------|----------------|----------------|----------------|---------|
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.78          | 22.07          | 21.81          | 21.70          | 22.01          | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 503703 | Channel 511152 | Channel 518598 | Channel 526050 | Channel 533499 | Tune up |
| 45MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.81          | 21.93          | 21.85          | 21.65          | 21.84          | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 503202 | Channel 510900 | Channel 518598 | Channel 526302 | Channel 534000 | Tune up |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.82          | 22.01          | 21.75          | 21.56          | 21.95          | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 502701 | Channel 510651 | Channel 518598 | Channel 526551 | Channel 534498 | Tune up |
| 35MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.81          | 22.06          | 21.89          | 21.72          | 22.00          | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 502200 | Channel 510402 | Channel 518598 | Channel 526800 | Channel 534996 | Tune up |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.87          | 22.08          | 21.77          | 21.58          | 21.89          | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 501702 | Channel 510153 | Channel 518598 | Channel 527049 | Channel 535497 | Tune up |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.86          | 22.03          | 21.93          | 21.63          | 21.98          | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 501204 | Channel 509904 | Channel 518598 | Channel 527298 | Channel 535998 | Tune up |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.86          | 21.95          | 21.80          | 21.71          | 21.91          | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 500202 | Channel 509403 | Channel 518598 | Channel 527799 | Channel 537000 | Tune up |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.91          | 21.96          | 21.91          | 21.69          | 22.00          | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 499200 | Channel 508902 | Channel 518598 | Channel 528300 | Channel 538002 | Tune up |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.90          | 21.99          | 21.78          | 21.67          | 21.91          | 23.00   |



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| N41 ECI 3/7 |                         |         |           | Conducted Power(dBm) |         |         |         |         |         |
|-------------|-------------------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz   |                         |         |           |                      |         |         |         |         |         |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|             |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
|             |                         |         |           | 2546.01              | 2569.5  | 2592.99 | 2616.51 | 2640    |         |
| 100MHz      | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 16.24                | 16.54   | 16.33   | 16.12   | 16.34   | 17.50   |
|             |                         | 1       | 137       | 16.29                | 16.55   | 16.46   | 16.45   | 16.30   | 17.50   |
|             |                         | 1       | 271       | 16.24                | 16.35   | 16.13   | 16.20   | 16.52   | 17.50   |
|             |                         | 135     | 0         | 15.81                | 15.73   | 15.71   | 15.73   | 15.72   | 17.00   |
|             |                         | 135     | 69        | 16.52                | 16.58   | 16.51   | 16.42   | 16.58   | 17.50   |
|             |                         | 135     | 138       | 15.61                | 15.66   | 15.66   | 15.51   | 15.74   | 17.00   |
|             |                         | 270     | 0         | 15.62                | 15.80   | 15.80   | 15.63   | 15.68   | 17.00   |
|             | DFT-s-OFDM<br>QPSK      | 1       | 1         | 16.29                | 16.51   | 16.40   | 16.16   | 16.39   | 17.50   |
|             |                         | 1       | 137       | 16.38                | 16.45   | 16.40   | 16.32   | 16.30   | 17.50   |
|             |                         | 1       | 271       | 16.26                | 16.25   | 16.16   | 16.12   | 16.40   | 17.50   |
|             |                         | 135     | 0         | 15.37                | 15.22   | 15.33   | 15.28   | 15.30   | 16.50   |
|             |                         | 135     | 69        | 16.57                | 16.63   | 16.45   | 16.47   | 16.48   | 17.50   |
|             |                         | 135     | 138       | 15.16                | 15.03   | 15.15   | 15.08   | 15.25   | 16.50   |
|             |                         | 270     | 0         | 15.12                | 15.29   | 15.20   | 15.16   | 15.25   | 16.50   |
|             | DFT-s-OFDM<br>16QAM     | 1       | 1         | 15.01                | 15.00   | 15.04   | 15.04   | 15.12   | 16.50   |
|             | DFT-s-OFDM<br>64QAM     | 1       | 1         | 13.63                | 13.65   | 13.54   | 13.66   | 13.56   | 15.00   |
|             | DFT-s-OFDM<br>256QAM    | 1       | 1         | 12.12                | 12.18   | 12.19   | 12.22   | 12.27   | 13.00   |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
| 100MHz      | CP-OFDM<br>QPSK         | 1       | 1         | 509202               | 513900  | 518598  | 523302  | 528000  | 16.00   |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
| 90MHz       | DFT-s-OFDM<br>QPSK      | 1       | 1         | 508200               | 513402  | 518598  | 523800  | 528996  | 17.50   |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
| 80MHz       | DFT-s-OFDM<br>QPSK      | 1       | 1         | 507204               | 512904  | 518598  | 524298  | 529998  | 17.50   |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
| 70MHz       | DFT-s-OFDM<br>QPSK      | 1       | 1         | 506202               | 512403  | 518598  | 524799  | 530997  | 17.50   |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
| 60MHz       | DFT-s-OFDM<br>QPSK      | 1       | 1         | 505200               | 511902  | 518598  | 525300  | 531996  | 17.50   |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |



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|           |                 |         |           |         |         |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|           |                 |         |           | 504204  | 511404  | 518598  | 525798  | 532998  |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.28   | 16.53   | 16.26   | 16.18   | 16.56   | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 503703  | 511152  | 518598  | 526050  | 533499  |         |
| 45MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.35   | 16.43   | 16.32   | 16.11   | 16.31   | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 503202  | 510900  | 518598  | 526302  | 534000  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.28   | 16.53   | 16.30   | 16.09   | 16.43   | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 502701  | 510651  | 518598  | 526551  | 534498  |         |
| 35MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.26   | 16.56   | 16.34   | 16.22   | 16.55   | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 502200  | 510402  | 518598  | 526800  | 534996  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.34   | 16.58   | 16.24   | 16.07   | 16.43   | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 501702  | 510153  | 518598  | 527049  | 535497  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.39   | 16.51   | 16.43   | 16.17   | 16.51   | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 501204  | 509904  | 518598  | 527298  | 535998  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.34   | 16.46   | 16.25   | 16.25   | 16.45   | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 500202  | 509403  | 518598  | 527799  | 537000  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.38   | 16.43   | 16.41   | 16.19   | 16.45   | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 499200  | 508902  | 518598  | 528300  | 538002  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.42   | 16.51   | 16.32   | 16.22   | 16.36   | 17.50   |



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| N41 ECI 6 |                         |         |           | Conducted Power(dBm) |         |         |         |         |         |
|-----------|-------------------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz |                         |         |           |                      |         |         |         |         |         |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
|           |                         |         |           | 2546.01              | 2569.5  | 2592.99 | 2616.51 | 2640    |         |
| 100MHz    | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 19.84                | 19.89   | 19.94   | 19.74   | 19.64   | 21.00   |
|           |                         | 1       | 137       | 19.81                | 19.88   | 20.16   | 19.95   | 19.73   | 21.00   |
|           |                         | 1       | 271       | 19.77                | 19.72   | 19.64   | 19.56   | 20.18   | 21.00   |
|           |                         | 135     | 0         | 19.36                | 19.03   | 19.37   | 19.21   | 19.38   | 20.50   |
|           |                         | 135     | 69        | 20.09                | 19.89   | 19.88   | 20.09   | 20.24   | 21.00   |
|           |                         | 135     | 138       | 19.02                | 19.10   | 19.03   | 19.00   | 19.40   | 20.50   |
|           |                         | 270     | 0         | 19.03                | 19.46   | 19.39   | 19.14   | 19.11   | 20.50   |
|           | DFT-s-OFDM<br>QPSK      | 1       | 1         | 19.69                | 20.21   | 19.99   | 19.75   | 19.86   | 21.00   |
|           |                         | 1       | 137       | 19.85                | 19.87   | 19.75   | 19.67   | 19.83   | 21.00   |
|           |                         | 1       | 271       | 19.66                | 19.78   | 19.65   | 19.82   | 19.99   | 21.00   |
|           |                         | 135     | 0         | 19.05                | 18.54   | 18.81   | 18.61   | 18.98   | 20.00   |
|           |                         | 135     | 69        | 20.25                | 20.01   | 20.04   | 19.81   | 20.05   | 21.00   |
|           |                         | 135     | 138       | 18.58                | 18.49   | 18.70   | 18.70   | 18.57   | 20.00   |
|           |                         | 270     | 0         | 18.43                | 18.60   | 18.55   | 18.82   | 18.88   | 20.00   |
|           | DFT-s-OFDM<br>16QAM     | 1       | 1         | 18.63                | 18.62   | 18.67   | 18.42   | 18.62   | 20.00   |
|           | DFT-s-OFDM<br>64QAM     | 1       | 1         | 17.32                | 17.33   | 17.20   | 17.19   | 17.25   | 18.50   |
|           | DFT-s-OFDM<br>256QAM    | 1       | 1         | 15.60                | 15.68   | 15.67   | 15.92   | 15.76   | 16.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
| 100MHz    | CP-OFDM<br>QPSK         | 1       | 1         | 18.33                | 18.24   | 18.36   | 18.30   | 18.61   | 19.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 508200               | 513402  | 518598  | 523800  | 528996  |         |
| 90MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 19.84                | 20.00   | 19.88   | 19.57   | 19.84   | 21.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 507204               | 512904  | 518598  | 524298  | 529998  |         |
| 80MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 19.95                | 20.19   | 19.89   | 19.70   | 19.97   | 21.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 506202               | 512403  | 518598  | 524799  | 530997  |         |
| 70MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 19.79                | 20.02   | 19.80   | 19.58   | 19.76   | 21.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 505200               | 511902  | 518598  | 525300  | 531996  |         |
| 60MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 19.79                | 20.09   | 19.80   | 19.74   | 19.96   | 21.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |



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|              |                 |         |           |         |         |         |         |         |         |
|--------------|-----------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|              |                 |         |           | 504204  | 511404  | 518598  | 525798  | 532998  |         |
| <b>50MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 19.88   | 20.13   | 19.86   | 19.67   | 20.23   | 21.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 503703  | 511152  | 518598  | 526050  | 533499  |         |
| <b>45MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 19.93   | 20.12   | 19.76   | 19.43   | 19.72   | 21.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 503202  | 510900  | 518598  | 526302  | 534000  |         |
| <b>40MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 19.63   | 20.02   | 19.71   | 19.55   | 19.75   | 21.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 502701  | 510651  | 518598  | 526551  | 534498  |         |
| <b>35MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 19.69   | 20.08   | 19.97   | 19.65   | 20.18   | 21.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 502200  | 510402  | 518598  | 526800  | 534996  |         |
| <b>30MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 19.80   | 20.08   | 19.82   | 19.54   | 19.76   | 21.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 501702  | 510153  | 518598  | 527049  | 535497  |         |
| <b>25MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 19.95   | 20.11   | 19.85   | 19.77   | 19.99   | 21.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 501204  | 509904  | 518598  | 527298  | 535998  |         |
| <b>20MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 19.99   | 19.87   | 19.92   | 19.61   | 19.78   | 21.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 500202  | 509403  | 518598  | 527799  | 537000  |         |
| <b>15MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 19.83   | 19.81   | 19.91   | 19.84   | 20.02   | 21.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 499200  | 508902  | 518598  | 528300  | 538002  |         |
| <b>10MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 19.75   | 20.10   | 19.72   | 19.54   | 19.69   | 21.00   |



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## 11.2 Conducted Power of NR Antenna (Ant1)

| N5 ECI 2/3/4/6/7 |                      |         |           | Conducted Power(dBm) |         |         |         |
|------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 15kHz        |                      |         |           |                      |         |         |         |
| Bandwidth        | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |                      |         |           | 166800               | 167300  | 167800  |         |
|                  |                      |         |           | 834                  | 836.5   | 839     |         |
| 20MHz            | DFT-s-OFDM PI/2 BPSK | 1       | 1         | 21.64                | 21.57   | 21.48   | 22.50   |
|                  |                      | 1       | 53        | 21.72                | 21.74   | 21.77   | 22.50   |
|                  |                      | 1       | 104       | 21.70                | 21.56   | 21.56   | 22.50   |
|                  |                      | 50      | 0         | 21.08                | 21.04   | 21.26   | 22.00   |
|                  |                      | 50      | 28        | 21.57                | 21.62   | 21.56   | 22.50   |
|                  |                      | 50      | 56        | 21.36                | 21.21   | 21.23   | 22.00   |
|                  |                      | 100     | 0         | 21.15                | 21.24   | 21.13   | 22.00   |
|                  | DFT-s-OFDM QPSK      | 1       | 1         | 21.63                | 21.50   | 21.56   | 22.50   |
|                  |                      | 1       | 53        | 21.68                | 21.72   | 21.69   | 22.50   |
|                  |                      | 1       | 104       | 21.63                | 21.56   | 21.55   | 22.50   |
|                  |                      | 50      | 0         | 20.65                | 20.64   | 20.73   | 21.50   |
|                  |                      | 50      | 28        | 21.67                | 21.69   | 21.66   | 22.50   |
|                  |                      | 50      | 56        | 20.78                | 20.68   | 20.74   | 21.50   |
|                  |                      | 100     | 0         | 20.70                | 20.68   | 20.69   | 21.50   |
|                  | DFT-s-OFDM 16QAM     | 1       | 1         | 20.26                | 20.26   | 20.24   | 21.50   |
|                  | DFT-s-OFDM 64QAM     | 1       | 1         | 18.90                | 18.87   | 18.94   | 20.00   |
|                  | DFT-s-OFDM 256QAM    | 1       | 1         | 17.59                | 17.59   | 17.49   | 18.00   |
| Bandwidth        | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |                      |         |           | 166800               | 167300  | 167800  |         |
| 20MHz            | CP-OFDM QPSK         | 1       | 1         | 20.09                | 20.05   | 20.04   | 21.00   |
| Bandwidth        | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |                      |         |           | 166300               | 167300  | 168300  |         |
| 15MHz            | DFT-s-OFDM QPSK      | 1       | 1         | 21.60                | 21.54   | 21.62   | 22.50   |
| Bandwidth        | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |                      |         |           | 165800               | 167300  | 168800  |         |
| 10MHz            | DFT-s-OFDM QPSK      | 1       | 1         | 21.73                | 21.58   | 21.50   | 22.50   |
| Bandwidth        | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |                      |         |           | 165300               | 167300  | 169300  |         |
| 5MHz             | DFT-s-OFDM OPSK      | 1       | 1         | 21.54                | 21.57   | 21.51   | 22.50   |



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| N41 ECI 4 |                         |         |           | Conducted Power(dBm) |         |         |         |         |         |
|-----------|-------------------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz |                         |         |           |                      |         |         |         |         |         |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
|           |                         |         |           | 2546.01              | 2569.5  | 2592.99 | 2616.51 | 2640    |         |
| 100MHz    | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 21.84                | 22.00   | 21.84   | 21.95   | 22.00   | 23.00   |
|           |                         | 1       | 137       | 21.98                | 21.98   | 22.05   | 21.75   | 21.82   | 23.00   |
|           |                         | 1       | 271       | 21.96                | 21.82   | 21.72   | 21.64   | 21.93   | 23.00   |
|           |                         | 135     | 0         | 21.59                | 21.39   | 21.50   | 21.54   | 21.52   | 22.50   |
|           |                         | 135     | 69        | 22.22                | 22.22   | 22.09   | 22.06   | 21.88   | 23.00   |
|           |                         | 135     | 138       | 21.30                | 21.41   | 21.45   | 21.50   | 21.41   | 22.50   |
|           |                         | 270     | 0         | 21.40                | 21.53   | 21.44   | 21.45   | 21.32   | 22.50   |
|           | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.83                | 22.06   | 21.94   | 21.99   | 21.95   | 23.00   |
|           |                         | 1       | 137       | 21.99                | 22.06   | 22.08   | 21.83   | 21.86   | 23.00   |
|           |                         | 1       | 271       | 21.89                | 21.77   | 21.78   | 21.66   | 21.83   | 23.00   |
|           |                         | 135     | 0         | 21.01                | 20.85   | 20.94   | 21.02   | 20.99   | 22.00   |
|           |                         | 135     | 69        | 22.15                | 22.18   | 22.09   | 22.01   | 21.96   | 23.00   |
|           |                         | 135     | 138       | 20.84                | 20.90   | 20.88   | 20.97   | 20.87   | 22.00   |
|           |                         | 270     | 0         | 20.82                | 20.96   | 20.91   | 21.00   | 20.81   | 22.00   |
|           | DFT-s-OFDM<br>16QAM     | 1       | 1         | 20.84                | 20.65   | 20.75   | 20.76   | 20.65   | 22.00   |
|           | DFT-s-OFDM<br>64QAM     | 1       | 1         | 19.18                | 19.25   | 19.22   | 19.13   | 19.31   | 20.50   |
|           | DFT-s-OFDM<br>256QAM    | 1       | 1         | 17.98                | 17.91   | 17.90   | 17.93   | 17.86   | 18.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
| 100MHz    | CP-OFDM<br>QPSK         | 1       | 1         | 20.61                | 20.63   | 20.59   | 20.55   | 20.64   | 21.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 508200               | 513402  | 518598  | 523800  | 528996  |         |
| 90MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.91                | 21.99   | 21.90   | 21.94   | 22.03   | 23.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 507204               | 512904  | 518598  | 524298  | 529998  |         |
| 80MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.89                | 22.02   | 21.93   | 22.05   | 21.95   | 23.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 506202               | 512403  | 518598  | 524799  | 530997  |         |



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|           |                 |         |           |         |         |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|---------|---------|
| 70MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.89   | 22.02   | 21.90   | 22.09   | 21.97   | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 505200  | 511902  | 518598  | 525300  | 531996  |         |
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.89   | 22.11   | 21.98   | 22.00   | 21.92   | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 504204  | 511404  | 518598  | 525798  | 532998  |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.88   | 21.99   | 21.94   | 21.98   | 21.88   | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 503703  | 511152  | 518598  | 526050  | 533499  |         |
| 45MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.89   | 22.09   | 21.88   | 22.04   | 21.98   | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 503202  | 510900  | 518598  | 526302  | 534000  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.90   | 22.01   | 21.90   | 21.98   | 22.01   | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 502701  | 510651  | 518598  | 526551  | 534498  |         |
| 35MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.74   | 22.09   | 21.93   | 22.06   | 21.85   | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 502200  | 510402  | 518598  | 526800  | 534996  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.73   | 22.00   | 21.95   | 21.95   | 21.91   | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 501702  | 510153  | 518598  | 527049  | 535497  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.73   | 21.97   | 22.04   | 21.91   | 21.85   | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 501204  | 509904  | 518598  | 527298  | 535998  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.80   | 22.15   | 22.02   | 22.03   | 21.89   | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 500202  | 509403  | 518598  | 527799  | 537000  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.92   | 22.03   | 21.92   | 21.97   | 21.86   | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 499200  | 508902  | 518598  | 528300  | 538002  |         |



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|       |                 |   |   |       |       |       |       |       |       |
|-------|-----------------|---|---|-------|-------|-------|-------|-------|-------|
| 10MHz | DFT-s-OFDM QPSK | 1 | 1 | 21.77 | 22.15 | 22.02 | 21.94 | 21.96 | 23.00 |
|-------|-----------------|---|---|-------|-------|-------|-------|-------|-------|

| N41 ECI 6 |                         |         |           | Conducted Power(dBm) |         |         |         |         |         |
|-----------|-------------------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz |                         |         |           |                      |         |         |         |         |         |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
|           |                         |         |           | 2546.01              | 2569.5  | 2592.99 | 2616.51 | 2640    |         |
| 100MHz    | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 20.39                | 20.69   | 20.50   | 20.26   | 20.35   | 21.50   |
|           |                         | 1       | 137       | 20.41                | 20.67   | 20.59   | 20.63   | 20.33   | 21.50   |
|           |                         | 1       | 271       | 20.40                | 20.34   | 20.15   | 20.16   | 20.58   | 21.50   |
|           |                         | 135     | 0         | 20.02                | 19.92   | 19.78   | 19.88   | 19.77   | 21.00   |
|           |                         | 135     | 69        | 20.58                | 20.70   | 20.72   | 20.54   | 20.71   | 21.50   |
|           |                         | 135     | 138       | 19.78                | 19.79   | 19.82   | 19.60   | 19.83   | 21.00   |
|           |                         | 270     | 0         | 19.74                | 19.82   | 19.91   | 19.79   | 19.84   | 21.00   |
|           | DFT-s-OFDM<br>QPSK      | 1       | 1         | 20.40                | 20.50   | 20.33   | 20.34   | 20.56   | 21.50   |
|           |                         | 1       | 137       | 20.49                | 20.63   | 20.65   | 20.36   | 20.33   | 21.50   |
|           |                         | 1       | 271       | 20.28                | 20.34   | 20.23   | 20.31   | 20.35   | 21.50   |
|           |                         | 135     | 0         | 19.43                | 19.40   | 19.37   | 19.29   | 19.35   | 20.50   |
|           |                         | 135     | 69        | 20.65                | 20.68   | 20.59   | 20.57   | 20.45   | 21.50   |
|           |                         | 135     | 138       | 19.29                | 19.17   | 19.23   | 19.16   | 19.35   | 20.50   |
|           |                         | 270     | 0         | 19.34                | 19.39   | 19.40   | 19.43   | 19.42   | 20.50   |
|           | DFT-s-OFDM<br>16QAM     | 1       | 1         | 19.19                | 19.10   | 19.18   | 19.17   | 19.30   | 20.50   |
|           | DFT-s-OFDM<br>64QAM     | 1       | 1         | 17.67                | 17.80   | 17.64   | 17.62   | 17.73   | 19.00   |
|           | DFT-s-OFDM<br>256QAM    | 1       | 1         | 16.34                | 16.32   | 16.36   | 16.39   | 16.41   | 17.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
| 100MHz    | CP-OFDM<br>QPSK         | 1       | 1         | 19.06                | 18.88   | 19.04   | 18.95   | 19.08   | 20.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 508200               | 513402  | 518598  | 523800  | 528996  |         |
| 90MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 20.32                | 20.65   | 20.55   | 20.29   | 20.44   | 21.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 507204               | 512904  | 518598  | 524298  | 529998  |         |
| 80MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 20.42                | 20.61   | 20.67   | 20.09   | 20.63   | 21.50   |



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| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|           |                 |         |           | 506202  | 512403  | 518598  | 524799  | 530997  |         |
| 70MHz     | DFT-s-OFDM QPSK | 1       | 1         | 20.57   | 20.68   | 20.53   | 20.19   | 20.38   | 21.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 505200  | 511902  | 518598  | 525300  | 531996  |         |
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | 20.41   | 20.69   | 20.37   | 20.21   | 20.55   | 21.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 504204  | 511404  | 518598  | 525798  | 532998  |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 20.40   | 20.58   | 20.28   | 20.27   | 20.71   | 21.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 503703  | 511152  | 518598  | 526050  | 533499  |         |
| 45MHz     | DFT-s-OFDM QPSK | 1       | 1         | 20.45   | 20.48   | 20.39   | 20.36   | 20.40   | 21.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 503202  | 510900  | 518598  | 526302  | 534000  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 20.37   | 20.59   | 20.28   | 20.10   | 20.65   | 21.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 502701  | 510651  | 518598  | 526551  | 534498  |         |
| 35MHz     | DFT-s-OFDM QPSK | 1       | 1         | 20.42   | 20.65   | 20.48   | 20.37   | 20.55   | 21.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 502200  | 510402  | 518598  | 526800  | 534996  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 20.37   | 20.71   | 20.26   | 20.27   | 20.59   | 21.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 501702  | 510153  | 518598  | 527049  | 535497  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 20.50   | 20.54   | 20.54   | 20.27   | 20.69   | 21.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 501204  | 509904  | 518598  | 527298  | 535998  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 20.39   | 20.46   | 20.38   | 20.32   | 20.47   | 21.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 500202  | 509403  | 518598  | 527799  | 537000  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 20.47   | 20.58   | 20.46   | 20.41   | 20.73   | 21.50   |



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| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|--------------|-----------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|              |                 |         |           | 499200  | 508902  | 518598  | 528300  | 538002  |         |
| <b>10MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 20.60   | 20.55   | 20.42   | 20.35   | 20.60   | 21.50   |

| N41 ECI 2/3 |                         |         |           | Conducted Power(dBm) |         |         |         |         |         |
|-------------|-------------------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz   |                         |         |           |                      |         |         |         |         |         |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|             |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
|             |                         |         |           | 2546.01              | 2569.5  | 2592.99 | 2616.51 | 2640    |         |
| 100MHz      | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 15.84                | 16.10   | 15.95   | 15.77   | 15.87   | 17.00   |
|             |                         | 1       | 137       | 15.97                | 16.11   | 16.00   | 16.06   | 15.88   | 17.00   |
|             |                         | 1       | 271       | 15.88                | 15.94   | 15.75   | 15.79   | 16.04   | 17.00   |
|             |                         | 135     | 0         | 15.44                | 15.33   | 15.39   | 15.28   | 15.38   | 16.50   |
|             |                         | 135     | 69        | 16.02                | 16.24   | 16.17   | 16.05   | 16.13   | 17.00   |
|             |                         | 135     | 138       | 15.26                | 15.19   | 15.26   | 15.11   | 15.38   | 16.50   |
|             |                         | 270     | 0         | 15.19                | 15.41   | 15.35   | 15.25   | 15.37   | 16.50   |
|             | DFT-s-OFDM<br>QPSK      | 1       | 1         | 15.88                | 16.05   | 15.98   | 15.78   | 15.99   | 17.00   |
|             |                         | 1       | 137       | 16.00                | 16.06   | 16.10   | 15.86   | 15.91   | 17.00   |
|             |                         | 1       | 271       | 15.88                | 15.87   | 15.70   | 15.76   | 15.95   | 17.00   |
|             |                         | 135     | 0         | 15.04                | 14.90   | 14.92   | 14.91   | 14.88   | 16.00   |
|             |                         | 135     | 69        | 16.07                | 16.15   | 15.95   | 15.91   | 15.92   | 17.00   |
|             |                         | 135     | 138       | 14.82                | 14.59   | 14.74   | 14.69   | 14.77   | 16.00   |
|             |                         | 270     | 0         | 14.75                | 14.96   | 14.82   | 14.84   | 14.88   | 16.00   |
|             | DFT-s-OFDM<br>16QAM     | 1       | 1         | 14.61                | 14.62   | 14.68   | 14.61   | 14.69   | 16.00   |
|             | DFT-s-OFDM<br>64QAM     | 1       | 1         | 13.24                | 13.24   | 13.24   | 13.25   | 13.15   | 14.50   |
|             | DFT-s-OFDM<br>256QAM    | 1       | 1         | 11.77                | 11.83   | 11.84   | 11.75   | 11.84   | 12.50   |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|             |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
| 100MHz      | CP-OFDM<br>QPSK         | 1       | 1         | 14.53                | 14.47   | 14.49   | 14.53   | 14.54   | 15.50   |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|             |                         |         |           | 508200               | 513402  | 518598  | 523800  | 528996  |         |
| 90MHz       | DFT-s-OFDM<br>QPSK      | 1       | 1         | 15.96                | 16.09   | 16.03   | 15.77   | 16.04   | 17.00   |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|             |                         |         |           | 507204               | 512904  | 518598  | 524298  | 529998  |         |



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|           |                 |         |           |         |         |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|---------|---------|
| 80MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.86   | 16.12   | 16.03   | 15.65   | 16.02   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 506202  | 512403  | 518598  | 524799  | 530997  |         |
| 70MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.04   | 16.21   | 15.93   | 15.71   | 15.97   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 505200  | 511902  | 518598  | 525300  | 531996  |         |
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.98   | 16.10   | 15.89   | 15.63   | 16.01   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 504204  | 511404  | 518598  | 525798  | 532998  |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.92   | 16.17   | 15.91   | 15.81   | 16.13   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 503703  | 511152  | 518598  | 526050  | 533499  |         |
| 45MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.90   | 16.07   | 15.98   | 15.71   | 15.90   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 503202  | 510900  | 518598  | 526302  | 534000  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.94   | 16.16   | 15.86   | 15.64   | 16.09   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 502701  | 510651  | 518598  | 526551  | 534498  |         |
| 35MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.89   | 16.17   | 15.99   | 15.83   | 16.07   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 502200  | 510402  | 518598  | 526800  | 534996  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.99   | 16.22   | 15.89   | 15.72   | 16.00   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 501702  | 510153  | 518598  | 527049  | 535497  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.91   | 16.12   | 16.02   | 15.78   | 16.06   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 501204  | 509904  | 518598  | 527298  | 535998  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.96   | 16.08   | 15.89   | 15.86   | 16.04   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 500202  | 509403  | 518598  | 527799  | 537000  |         |



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|           |                 |         |           |         |         |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|---------|---------|
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.02   | 16.04   | 15.99   | 15.78   | 16.05   | 17.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 499200  | 508902  | 518598  | 528300  | 538002  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.02   | 16.04   | 15.86   | 15.73   | 16.01   | 17.00   |

| N41 ECI 7 |                         |         |           | Conducted Power(dBm) |         |         |         |         |         |
|-----------|-------------------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz |                         |         |           |                      |         |         |         |         |         |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
|           |                         |         |           | 2546.01              | 2569.5  | 2592.99 | 2616.51 | 2640    |         |
| 100MHz    | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 13.85                | 14.14   | 13.96   | 13.74   | 13.90   | 15.00   |
|           |                         | 1       | 137       | 13.96                | 14.16   | 14.00   | 14.01   | 13.90   | 15.00   |
|           |                         | 1       | 271       | 13.91                | 13.93   | 13.83   | 13.84   | 14.06   | 15.00   |
|           |                         | 135     | 0         | 13.49                | 13.30   | 13.34   | 13.29   | 13.30   | 14.50   |
|           |                         | 135     | 69        | 14.02                | 14.23   | 14.15   | 14.01   | 14.17   | 15.00   |
|           |                         | 135     | 138       | 13.21                | 13.22   | 13.28   | 13.12   | 13.37   | 14.50   |
|           |                         | 270     | 0         | 13.26                | 13.43   | 13.30   | 13.20   | 13.31   | 14.50   |
|           | DFT-s-OFDM<br>QPSK      | 1       | 1         | 13.97                | 14.04   | 13.93   | 13.81   | 14.06   | 15.00   |
|           |                         | 1       | 137       | 14.05                | 14.05   | 14.10   | 13.86   | 13.93   | 15.00   |
|           |                         | 1       | 271       | 13.81                | 13.81   | 13.73   | 13.74   | 13.95   | 15.00   |
|           |                         | 135     | 0         | 12.96                | 12.87   | 12.96   | 12.92   | 12.95   | 14.00   |
|           |                         | 135     | 69        | 14.15                | 14.21   | 14.07   | 14.03   | 14.00   | 15.00   |
|           |                         | 135     | 138       | 12.75                | 12.68   | 12.75   | 12.66   | 12.82   | 14.00   |
|           |                         | 270     | 0         | 12.82                | 12.96   | 12.84   | 12.77   | 12.89   | 14.00   |
|           | DFT-s-OFDM<br>16QAM     | 1       | 1         | 12.69                | 12.62   | 12.73   | 12.58   | 12.74   | 14.00   |
|           | DFT-s-OFDM<br>64QAM     | 1       | 1         | 11.18                | 11.21   | 11.24   | 11.20   | 11.17   | 12.50   |
|           | DFT-s-OFDM<br>256QAM    | 1       | 1         | 9.73                 | 9.81    | 9.86    | 9.80    | 9.91    | 10.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
| 100MHz    | CP-OFDM<br>QPSK         | 1       | 1         | 12.61                | 12.40   | 12.52   | 12.56   | 12.56   | 13.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 508200               | 513402  | 518598  | 523800  | 528996  |         |
| 90MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 13.95                | 14.07   | 14.06   | 13.72   | 14.10   | 15.00   |



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| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|           |                 |         |           | 507204  | 512904  | 518598  | 524298  | 529998  |         |
| 80MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.82   | 14.17   | 13.99   | 13.68   | 14.06   | 15.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 506202  | 512403  | 518598  | 524799  | 530997  |         |
| 70MHz     | DFT-s-OFDM QPSK | 1       | 1         | 14.01   | 14.19   | 13.97   | 13.77   | 13.93   | 15.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 505200  | 511902  | 518598  | 525300  | 531996  |         |
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.99   | 14.17   | 13.87   | 13.68   | 13.95   | 15.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 504204  | 511404  | 518598  | 525798  | 532998  |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.84   | 14.17   | 13.88   | 13.75   | 14.16   | 15.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 503703  | 511152  | 518598  | 526050  | 533499  |         |
| 45MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.94   | 13.99   | 13.96   | 13.75   | 13.99   | 15.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 503202  | 510900  | 518598  | 526302  | 534000  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.88   | 14.06   | 13.83   | 13.69   | 14.00   | 15.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 502701  | 510651  | 518598  | 526551  | 534498  |         |
| 35MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.93   | 14.20   | 14.04   | 13.86   | 14.09   | 15.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 502200  | 510402  | 518598  | 526800  | 534996  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 14.00   | 14.21   | 13.87   | 13.72   | 13.97   | 15.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 501702  | 510153  | 518598  | 527049  | 535497  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.98   | 14.12   | 13.99   | 13.72   | 14.07   | 15.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 501204  | 509904  | 518598  | 527298  | 535998  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.99   | 14.10   | 13.86   | 13.81   | 13.99   | 15.00   |



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| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|           |                 |         |           | 500202  | 509403  | 518598  | 527799  | 537000  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 14.00   | 14.02   | 14.01   | 13.76   | 14.09   | 15.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 499200  | 508902  | 518598  | 528300  | 538002  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.98   | 14.14   | 13.91   | 13.78   | 14.01   | 15.00   |

| N66 ECI 4         |                      |         |           | Conducted Power(dBm) |         |         |         |
|-------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 15kHz         |                      |         |           |                      |         |         |         |
| Bandwidth         | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                   |                      |         |           | 346500               | 349000  | 351500  |         |
|                   |                      |         |           | 1732.5               | 1745    | 1757.5  |         |
| 45MHz             | DFT-s-OFDM PI/2 BPSK | 1       | 1         | 21.09                | 21.03   | 20.95   | 22.00   |
|                   |                      | 1       | 121       | 21.15                | 21.07   | 21.01   | 22.00   |
|                   |                      | 1       | 240       | 21.08                | 20.97   | 21.05   | 22.00   |
|                   |                      | 120     | 0         | 20.58                | 20.64   | 20.72   | 21.50   |
|                   |                      | 120     | 60        | 21.26                | 21.22   | 21.06   | 22.00   |
|                   |                      | 120     | 120       | 20.73                | 20.56   | 20.64   | 21.50   |
|                   |                      | 240     | 0         | 20.62                | 20.52   | 20.61   | 21.50   |
|                   | DFT-s-OFDM QPSK      | 1       | 1         | 21.09                | 21.01   | 21.01   | 22.00   |
|                   |                      | 1       | 121       | 21.11                | 21.13   | 21.06   | 22.00   |
|                   |                      | 1       | 240       | 21.10                | 21.04   | 20.98   | 22.00   |
|                   |                      | 120     | 0         | 20.15                | 20.12   | 20.19   | 21.00   |
|                   |                      | 120     | 60        | 21.20                | 21.14   | 21.16   | 22.00   |
|                   |                      | 120     | 120       | 20.15                | 20.07   | 20.12   | 21.00   |
|                   |                      | 240     | 0         | 20.05                | 20.08   | 20.06   | 21.00   |
|                   | DFT-s-OFDM 16QAM     | 1       | 1         | 19.76                | 19.79   | 19.87   | 21.00   |
| DFT-s-OFDM 64QAM  | 1                    | 1       | 18.34     | 18.34                | 18.41   | 19.50   |         |
| DFT-s-OFDM 256QAM | 1                    | 1       | 16.96     | 16.92                | 16.89   | 17.50   |         |
| Bandwidth         | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                   |                      |         |           | 346500               | 349000  | 351500  |         |
| 45MHz             | CP-OFDM QPSK         | 1       | 1         | 19.60                | 19.56   | 19.60   | 20.50   |
| Bandwidth         | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                   |                      |         |           | 346000               | 349000  | 352000  |         |
| 40MHz             | DFT-s-OFDM QPSK      | 1       | 1         | 21.09                | 20.95   | 20.97   | 22.00   |
| Bandwidth         | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                   |                      |         |           | 345500               | 349000  | 352500  |         |
| 35MHz             | DFT-s-OFDM OPSK      | 1       | 1         | 21.19                | 20.98   | 20.97   | 22.00   |



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# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
|           |                 |         |           | 345000  | 349000  | 353000  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.04   | 20.99   | 20.98   | 22.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 344500  | 349000  | 353500  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.14   | 21.04   | 21.09   | 22.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 344000  | 349000  | 354000  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.14   | 21.10   | 21.03   | 22.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 343500  | 349000  | 354500  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.07   | 21.03   | 20.94   | 22.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 343000  | 349000  | 355000  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.09   | 20.93   | 21.10   | 22.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 342500  | 349000  | 355500  |         |
| 5MHz      | DFT-s-OFDM QPSK | 1       | 1         | 21.02   | 20.95   | 21.02   | 22.00   |

| N66 ECI 2 |                         |         |           | Conducted Power(dBm) |         |         |         |
|-----------|-------------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 15kHz |                         |         |           |                      |         |         |         |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                         |         |           | 346500               | 349000  | 351500  |         |
|           |                         |         |           | 1732.5               | 1745    | 1757.5  |         |
| 45MHz     | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 14.19                | 14.14   | 14.09   | 15.00   |
|           |                         | 1       | 121       | 14.27                | 14.20   | 14.08   | 15.00   |
|           |                         | 1       | 240       | 14.16                | 14.11   | 14.20   | 15.00   |
|           |                         | 120     | 0         | 13.70                | 13.79   | 13.87   | 14.50   |
|           |                         | 120     | 60        | 14.40                | 14.34   | 14.20   | 15.00   |
|           |                         | 120     | 120       | 13.87                | 13.68   | 13.69   | 14.50   |
|           |                         | 240     | 0         | 13.76                | 13.63   | 13.72   | 14.50   |
|           | DFT-s-OFDM<br>QPSK      | 1       | 1         | 14.19                | 14.16   | 14.12   | 15.00   |
|           |                         | 1       | 121       | 14.23                | 14.28   | 14.13   | 15.00   |
|           |                         | 1       | 240       | 14.20                | 14.19   | 14.10   | 15.00   |
|           |                         | 120     | 0         | 13.24                | 13.19   | 13.26   | 14.00   |
|           |                         | 120     | 60        | 14.31                | 14.24   | 14.23   | 15.00   |
|           |                         | 120     | 120       | 13.21                | 13.20   | 13.22   | 14.00   |
|           |                         | 240     | 0         | 13.20                | 13.13   | 13.13   | 14.00   |
|           | DFT-s-OFDM<br>16QAM     | 1       | 1         | 12.85                | 12.86   | 13.02   | 14.00   |



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|           |                   |         |           |         |         |         |         |
|-----------|-------------------|---------|-----------|---------|---------|---------|---------|
|           | DFT-s-OFDM 64QAM  | 1       | 1         | 11.42   | 11.45   | 11.51   | 12.50   |
|           | DFT-s-OFDM 256QAM | 1       | 1         | 10.10   | 10.00   | 10.04   | 10.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 346500  | 349000  | 351500  |         |
| 45MHz     | CP-OFDM QPSK      | 1       | 1         | 12.73   | 12.61   | 12.65   | 13.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 346000  | 349000  | 352000  |         |
| 40MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 14.20   | 14.07   | 14.10   | 15.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 345500  | 349000  | 352500  |         |
| 35MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 14.34   | 14.06   | 14.03   | 15.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 345000  | 349000  | 353000  |         |
| 30MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 14.14   | 14.07   | 14.12   | 15.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 344500  | 349000  | 353500  |         |
| 25MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 14.29   | 14.10   | 14.14   | 15.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 344000  | 349000  | 354000  |         |
| 20MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 14.22   | 14.22   | 14.13   | 15.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 343500  | 349000  | 354500  |         |
| 15MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 14.18   | 14.16   | 14.03   | 15.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 343000  | 349000  | 355000  |         |
| 10MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 14.22   | 14.01   | 14.16   | 15.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 342500  | 349000  | 355500  |         |
| 5MHz      | DFT-s-OFDM QPSK   | 1       | 1         | 14.17   | 14.10   | 14.07   | 15.00   |



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| N66 ECI 3 |                      |         |           | Conducted Power(dBm) |         |         |         |
|-----------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 15kHz |                      |         |           |                      |         |         |         |
| Bandwidth | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                      |         |           | 346500               | 349000  | 351500  |         |
|           |                      |         |           | 1732.5               | 1745    | 1757.5  |         |
| 45MHz     | DFT-s-OFDM PI/2 BPSK | 1       | 1         | 15.67                | 15.66   | 15.53   | 16.50   |
|           |                      | 1       | 121       | 15.73                | 15.63   | 15.60   | 16.50   |
|           |                      | 1       | 240       | 15.71                | 15.53   | 15.70   | 16.50   |
|           |                      | 120     | 0         | 15.20                | 15.23   | 15.32   | 16.00   |
|           |                      | 120     | 60        | 15.91                | 15.80   | 15.66   | 16.50   |
|           |                      | 120     | 120       | 15.30                | 15.20   | 15.20   | 16.00   |
|           |                      | 240     | 0         | 15.21                | 15.13   | 15.18   | 16.00   |
|           | DFT-s-OFDM QPSK      | 1       | 1         | 15.69                | 15.64   | 15.57   | 16.50   |
|           |                      | 1       | 121       | 15.67                | 15.75   | 15.62   | 16.50   |
|           |                      | 1       | 240       | 15.74                | 15.61   | 15.55   | 16.50   |
|           |                      | 120     | 0         | 14.73                | 14.71   | 14.75   | 15.50   |
|           |                      | 120     | 60        | 15.84                | 15.75   | 15.79   | 16.50   |
|           |                      | 120     | 120       | 14.72                | 14.72   | 14.72   | 15.50   |
|           |                      | 240     | 0         | 14.65                | 14.63   | 14.61   | 15.50   |
|           | DFT-s-OFDM 16QAM     | 1       | 1         | 14.38                | 14.39   | 14.52   | 15.50   |
|           | DFT-s-OFDM 64QAM     | 1       | 1         | 12.95                | 12.90   | 13.01   | 14.00   |
|           | DFT-s-OFDM 256QAM    | 1       | 1         | 11.59                | 11.55   | 11.44   | 12.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                      |         |           | 346500               | 349000  | 351500  |         |
| 45MHz     | CP-OFDM QPSK         | 1       | 1         | 14.16                | 14.16   | 14.21   | 15.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                      |         |           | 346000               | 349000  | 352000  |         |
| 40MHz     | DFT-s-OFDM QPSK      | 1       | 1         | 15.69                | 15.59   | 15.53   | 16.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                      |         |           | 345500               | 349000  | 352500  |         |
| 35MHz     | DFT-s-OFDM QPSK      | 1       | 1         | 15.79                | 15.54   | 15.59   | 16.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                      |         |           | 345000               | 349000  | 353000  |         |
| 30MHz     | DFT-s-OFDM QPSK      | 1       | 1         | 15.69                | 15.64   | 15.62   | 16.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                      |         |           | 344500               | 349000  | 353500  |         |
| 25MHz     | DFT-s-OFDM QPSK      | 1       | 1         | 15.71                | 15.68   | 15.64   | 16.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |



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|              |                 |         |           |         |         |         |         |
|--------------|-----------------|---------|-----------|---------|---------|---------|---------|
|              |                 |         |           | 344000  | 349000  | 354000  |         |
| <b>20MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 15.70   | 15.65   | 15.59   | 16.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 343500  | 349000  | 354500  |         |
| <b>15MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 15.66   | 15.67   | 15.53   | 16.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 343000  | 349000  | 355000  |         |
| <b>10MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 15.71   | 15.56   | 15.74   | 16.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 342500  | 349000  | 355500  |         |
| <b>5MHz</b>  | DFT-s-OFDM QPSK | 1       | 1         | 15.57   | 15.54   | 15.61   | 16.50   |

| N66 ECI 7 |                      |         |           | Conducted Power(dBm) |         |         |         |
|-----------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 15kHz |                      |         |           |                      |         |         |         |
| Bandwidth | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                      |         |           | 346500               | 349000  | 351500  |         |
|           |                      |         |           | 1732.5               | 1745    | 1757.5  |         |
| 45MHz     | DFT-s-OFDM PI/2 BPSK | 1       | 1         | 12.17                | 12.16   | 12.03   | 13.00   |
|           |                      | 1       | 121       | 12.21                | 12.19   | 12.08   | 13.00   |
|           |                      | 1       | 240       | 12.14                | 12.07   | 12.13   | 13.00   |
|           |                      | 120     | 0         | 11.64                | 11.70   | 11.85   | 12.50   |
|           |                      | 120     | 60        | 12.35                | 12.33   | 12.13   | 13.00   |
|           |                      | 120     | 120       | 11.85                | 11.61   | 11.79   | 12.50   |
|           |                      | 240     | 0         | 11.70                | 11.60   | 11.66   | 12.50   |
|           | DFT-s-OFDM QPSK      | 1       | 1         | 12.19                | 12.14   | 12.06   | 13.00   |
|           |                      | 1       | 121       | 12.18                | 12.26   | 12.14   | 13.00   |
|           |                      | 1       | 240       | 12.15                | 12.10   | 12.03   | 13.00   |
|           |                      | 120     | 0         | 11.22                | 11.21   | 11.26   | 12.00   |
|           |                      | 120     | 60        | 12.33                | 12.26   | 12.29   | 13.00   |
|           |                      | 120     | 120       | 11.21                | 11.19   | 11.20   | 12.00   |
|           |                      | 240     | 0         | 11.12                | 11.13   | 11.19   | 12.00   |
|           | DFT-s-OFDM 16QAM     | 1       | 1         | 10.83                | 10.85   | 10.95   | 12.00   |
|           | DFT-s-OFDM 64QAM     | 1       | 1         | 9.39                 | 9.39    | 9.49    | 10.50   |
|           | DFT-s-OFDM 256QAM    | 1       | 1         | 8.06                 | 8.04    | 7.94    | 8.50    |
| Bandwidth | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                      |         |           | 346500               | 349000  | 351500  |         |
| 45MHz     | CP-OFDM QPSK         | 1       | 1         | 10.74                | 10.68   | 10.74   | 11.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                      |         |           | 346000               | 349000  | 352000  |         |



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|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.23   | 12.05   | 12.03   | 13.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 345500  | 349000  | 352500  |         |
| 35MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.30   | 12.06   | 12.07   | 13.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 345000  | 349000  | 353000  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.19   | 12.14   | 12.11   | 13.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 344500  | 349000  | 353500  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.20   | 12.13   | 12.15   | 13.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 344000  | 349000  | 354000  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.22   | 12.20   | 12.10   | 13.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 343500  | 349000  | 354500  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.22   | 12.11   | 12.03   | 13.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 343000  | 349000  | 355000  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.23   | 12.01   | 12.22   | 13.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 342500  | 349000  | 355500  |         |
| 5MHz      | DFT-s-OFDM QPSK | 1       | 1         | 12.12   | 12.03   | 12.10   | 13.00   |

| N66 ECI 6 |                      |         |           | Conducted Power(dBm) |         |         |         |
|-----------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 15kHz |                      |         |           |                      |         |         |         |
| Bandwidth | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|           |                      |         |           | 346500               | 349000  | 351500  |         |
|           |                      |         |           | 1732.5               | 1745    | 1757.5  |         |
| 45MHz     | DFT-s-OFDM PI/2 BPSK | 1       | 1         | 17.55                | 17.49   | 17.60   | 18.50   |
|           |                      | 1       | 121       | 17.57                | 17.87   | 17.47   | 18.50   |
|           |                      | 1       | 240       | 17.48                | 17.53   | 17.43   | 18.50   |
|           |                      | 120     | 0         | 17.12                | 17.40   | 17.38   | 18.00   |
|           |                      | 120     | 60        | 17.91                | 17.80   | 17.66   | 18.50   |
|           |                      | 120     | 120       | 17.22                | 17.27   | 17.47   | 18.00   |
|           |                      | 240     | 0         | 17.04                | 16.94   | 17.28   | 18.00   |
|           | DFT-s-OFDM QPSK      | 1       | 1         | 17.62                | 17.67   | 17.58   | 18.50   |
|           |                      | 1       | 121       | 17.76                | 17.85   | 17.87   | 18.50   |
|           |                      | 1       | 240       | 17.66                | 17.77   | 17.52   | 18.50   |



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|           |                   |         |           |         |         |         |         |
|-----------|-------------------|---------|-----------|---------|---------|---------|---------|
|           |                   | 120     | 0         | 16.52   | 16.78   | 16.67   | 17.50   |
|           |                   | 120     | 60        | 17.84   | 17.90   | 17.82   | 18.50   |
|           |                   | 120     | 120       | 16.75   | 16.56   | 16.86   | 17.50   |
|           |                   | 240     | 0         | 16.42   | 16.47   | 16.83   | 17.50   |
|           | DFT-s-OFDM 16QAM  | 1       | 1         | 16.49   | 16.45   | 16.47   | 17.50   |
|           | DFT-s-OFDM 64QAM  | 1       | 1         | 14.95   | 14.96   | 14.81   | 16.00   |
|           | DFT-s-OFDM 256QAM | 1       | 1         | 13.45   | 13.62   | 13.46   | 14.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 346500  | 349000  | 351500  |         |
| 45MHz     | CP-OFDM QPSK      | 1       | 1         | 16.28   | 16.21   | 16.26   | 17.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 346000  | 349000  | 352000  |         |
| 40MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.76   | 17.45   | 17.42   | 18.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 345500  | 349000  | 352500  |         |
| 35MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.93   | 17.65   | 17.53   | 18.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 345000  | 349000  | 353000  |         |
| 30MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.63   | 17.72   | 17.69   | 18.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 344500  | 349000  | 353500  |         |
| 25MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.70   | 17.77   | 17.54   | 18.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 344000  | 349000  | 354000  |         |
| 20MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.73   | 17.84   | 17.58   | 18.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 343500  | 349000  | 354500  |         |
| 15MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.63   | 17.70   | 17.38   | 18.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 343000  | 349000  | 355000  |         |
| 10MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.67   | 17.56   | 17.54   | 18.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 342500  | 349000  | 355500  |         |



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|      |                 |   |   |       |       |       |       |
|------|-----------------|---|---|-------|-------|-------|-------|
| 5MHz | DFT-s-OFDM QPSK | 1 | 1 | 17.69 | 17.56 | 17.51 | 18.50 |
|------|-----------------|---|---|-------|-------|-------|-------|



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## 11.3 Conducted Power of NR Antenna (Ant2)

| N41 ECI 2/3/4 |                         |         |           | Conducted Power(dBm) |         |         |         |         |         |
|---------------|-------------------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz     |                         |         |           |                      |         |         |         |         |         |
| Bandwidth     | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|               |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
|               |                         |         |           | 2546.01              | 2569.5  | 2592.99 | 2616.51 | 2640    |         |
| 100MHz        | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 22.37                | 22.60   | 22.42   | 22.56   | 22.57   | 23.50   |
|               |                         | 1       | 137       | 22.37                | 22.52   | 22.60   | 22.29   | 22.33   | 23.50   |
|               |                         | 1       | 271       | 22.43                | 22.31   | 22.34   | 22.06   | 22.45   | 23.50   |
|               |                         | 135     | 0         | 21.94                | 21.87   | 21.93   | 22.09   | 21.87   | 23.00   |
|               |                         | 135     | 69        | 22.57                | 22.62   | 22.60   | 22.62   | 22.43   | 23.50   |
|               |                         | 135     | 138       | 22.09                | 21.84   | 21.98   | 21.85   | 21.93   | 23.00   |
|               |                         | 270     | 0         | 21.91                | 21.99   | 21.88   | 22.04   | 21.86   | 23.00   |
|               | DFT-s-OFDM<br>QPSK      | 1       | 1         | 22.44                | 22.64   | 22.42   | 22.49   | 22.52   | 23.50   |
|               |                         | 1       | 137       | 22.41                | 22.49   | 22.59   | 22.38   | 22.36   | 23.50   |
|               |                         | 1       | 271       | 22.53                | 22.41   | 22.36   | 22.11   | 22.37   | 23.50   |
|               |                         | 135     | 0         | 21.47                | 21.44   | 21.41   | 21.51   | 21.39   | 22.50   |
|               |                         | 135     | 69        | 22.59                | 22.65   | 22.62   | 22.56   | 22.48   | 23.50   |
|               |                         | 135     | 138       | 21.50                | 21.37   | 21.45   | 21.45   | 21.45   | 22.50   |
|               |                         | 270     | 0         | 21.36                | 21.44   | 21.43   | 21.52   | 21.42   | 22.50   |
|               | DFT-s-OFDM<br>16QAM     | 1       | 1         | 21.22                | 21.14   | 21.15   | 21.15   | 21.20   | 22.50   |
|               | DFT-s-OFDM<br>64QAM     | 1       | 1         | 19.70                | 19.75   | 19.70   | 19.76   | 19.65   | 21.00   |
|               | DFT-s-OFDM<br>256QAM    | 1       | 1         | 18.44                | 18.37   | 18.36   | 18.34   | 18.41   | 19.00   |
| Bandwidth     | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|               |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
| 100MHz        | CP-OFDM<br>QPSK         | 1       | 1         | 20.97                | 21.04   | 20.98   | 20.95   | 21.01   | 22.00   |
| Bandwidth     | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|               |                         |         |           | 508200               | 513402  | 518598  | 523800  | 528996  |         |
| 90MHz         | DFT-s-OFDM<br>QPSK      | 1       | 1         | 22.41                | 22.62   | 22.49   | 22.42   | 22.56   | 23.50   |
| Bandwidth     | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|               |                         |         |           | 507204               | 512904  | 518598  | 524298  | 529998  |         |
| 80MHz         | DFT-s-OFDM<br>QPSK      | 1       | 1         | 22.41                | 22.73   | 22.51   | 22.58   | 22.44   | 23.50   |
| Bandwidth     | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|               |                         |         |           | 506202               | 512403  | 518598  | 524799  | 530997  |         |
| 70MHz         | DFT-s-OFDM<br>QPSK      | 1       | 1         | 22.38                | 22.55   | 22.48   | 22.59   | 22.57   | 23.50   |
| Bandwidth     | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|               |                         |         |           | 505200               | 511902  | 518598  | 525300  | 531996  |         |



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|           |                 |         |           |                |                |                |                |                |         |
|-----------|-----------------|---------|-----------|----------------|----------------|----------------|----------------|----------------|---------|
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.45          | 22.58          | 22.36          | 22.41          | 22.48          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 504204 | Channel 511404 | Channel 518598 | Channel 525798 | Channel 532998 | Tune up |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.39          | 22.61          | 22.51          | 22.39          | 22.43          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 503703 | Channel 511152 | Channel 518598 | Channel 526050 | Channel 533499 | Tune up |
| 45MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.41          | 22.57          | 22.38          | 22.45          | 22.61          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 503202 | Channel 510900 | Channel 518598 | Channel 526302 | Channel 534000 | Tune up |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.38          | 22.64          | 22.32          | 22.58          | 22.58          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 502701 | Channel 510651 | Channel 518598 | Channel 526551 | Channel 534498 | Tune up |
| 35MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.49          | 22.62          | 22.40          | 22.51          | 22.47          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 502200 | Channel 510402 | Channel 518598 | Channel 526800 | Channel 534996 | Tune up |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.51          | 22.72          | 22.33          | 22.58          | 22.57          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 501702 | Channel 510153 | Channel 518598 | Channel 527049 | Channel 535497 | Tune up |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.34          | 22.60          | 22.32          | 22.46          | 22.43          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 501204 | Channel 509904 | Channel 518598 | Channel 527298 | Channel 535998 | Tune up |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.46          | 22.70          | 22.33          | 22.58          | 22.44          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 500202 | Channel 509403 | Channel 518598 | Channel 527799 | Channel 537000 | Tune up |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.45          | 22.57          | 22.41          | 22.51          | 22.59          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 499200 | Channel 508902 | Channel 518598 | Channel 528300 | Channel 538002 | Tune up |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.39          | 22.68          | 22.51          | 22.46          | 22.56          | 23.50   |



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| N41 ECI 7 |                         |         |           | Conducted Power(dBm) |         |         |         |         |         |
|-----------|-------------------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz |                         |         |           |                      |         |         |         |         |         |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
|           |                         |         |           | 2546.01              | 2569.5  | 2592.99 | 2616.51 | 2640    |         |
| 100MHz    | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 20.02                | 20.15   | 19.97   | 20.13   | 20.15   | 21.00   |
|           |                         | 1       | 137       | 19.99                | 20.11   | 20.18   | 19.84   | 19.91   | 21.00   |
|           |                         | 1       | 271       | 20.00                | 19.90   | 19.97   | 19.61   | 20.09   | 21.00   |
|           |                         | 135     | 0         | 19.56                | 19.47   | 19.57   | 19.68   | 19.48   | 20.50   |
|           |                         | 135     | 69        | 20.13                | 20.26   | 20.17   | 20.25   | 20.02   | 21.00   |
|           |                         | 135     | 138       | 19.70                | 19.40   | 19.61   | 19.43   | 19.52   | 20.50   |
|           |                         | 270     | 0         | 19.55                | 19.64   | 19.43   | 19.59   | 19.48   | 20.50   |
|           | DFT-s-OFDM<br>QPSK      | 1       | 1         | 20.04                | 20.29   | 20.01   | 20.10   | 20.17   | 21.00   |
|           |                         | 1       | 137       | 20.01                | 20.09   | 20.19   | 19.95   | 19.95   | 21.00   |
|           |                         | 1       | 271       | 20.10                | 20.01   | 19.92   | 19.73   | 20.00   | 21.00   |
|           |                         | 135     | 0         | 19.02                | 19.09   | 18.99   | 19.14   | 19.04   | 20.00   |
|           |                         | 135     | 69        | 20.22                | 20.24   | 20.22   | 20.15   | 20.05   | 21.00   |
|           |                         | 135     | 138       | 19.06                | 18.97   | 19.01   | 19.10   | 19.09   | 20.00   |
|           |                         | 270     | 0         | 19.01                | 19.02   | 19.08   | 19.07   | 18.99   | 20.00   |
|           | DFT-s-OFDM<br>16QAM     | 1       | 1         | 18.80                | 18.74   | 18.71   | 18.75   | 18.80   | 20.00   |
|           | DFT-s-OFDM<br>64QAM     | 1       | 1         | 17.26                | 17.40   | 17.28   | 17.38   | 17.27   | 18.50   |
|           | DFT-s-OFDM<br>256QAM    | 1       | 1         | 16.08                | 15.98   | 15.91   | 15.97   | 16.01   | 16.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
| 100MHz    | CP-OFDM<br>QPSK         | 1       | 1         | 18.53                | 18.60   | 18.53   | 18.55   | 18.64   | 19.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 508200               | 513402  | 518598  | 523800  | 528996  |         |
| 90MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 20.02                | 20.25   | 20.06   | 20.07   | 20.12   | 21.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 507204               | 512904  | 518598  | 524298  | 529998  |         |
| 80MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 19.97                | 20.37   | 20.12   | 20.15   | 20.05   | 21.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 506202               | 512403  | 518598  | 524799  | 530997  |         |
| 70MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 19.94                | 20.18   | 20.13   | 20.14   | 20.22   | 21.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 505200               | 511902  | 518598  | 525300  | 531996  |         |
| 60MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 20.04                | 20.19   | 19.99   | 20.01   | 20.11   | 21.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |



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|              |                 |         |           |         |         |         |         |         |         |
|--------------|-----------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|              |                 |         |           | 504204  | 511404  | 518598  | 525798  | 532998  |         |
| <b>50MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 19.98   | 20.22   | 20.10   | 19.99   | 20.00   | 21.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 503703  | 511152  | 518598  | 526050  | 533499  |         |
| <b>45MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 20.04   | 20.13   | 19.99   | 20.04   | 20.17   | 21.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 503202  | 510900  | 518598  | 526302  | 534000  |         |
| <b>40MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 19.96   | 20.27   | 19.97   | 20.18   | 20.19   | 21.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 502701  | 510651  | 518598  | 526551  | 534498  |         |
| <b>35MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 20.04   | 20.23   | 19.97   | 20.14   | 20.05   | 21.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 502200  | 510402  | 518598  | 526800  | 534996  |         |
| <b>30MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 20.11   | 20.29   | 19.89   | 20.18   | 20.13   | 21.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 501702  | 510153  | 518598  | 527049  | 535497  |         |
| <b>25MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 19.99   | 20.23   | 19.91   | 20.09   | 20.00   | 21.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 501204  | 509904  | 518598  | 527298  | 535998  |         |
| <b>20MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 20.10   | 20.29   | 19.98   | 20.22   | 20.06   | 21.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 500202  | 509403  | 518598  | 527799  | 537000  |         |
| <b>15MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 20.01   | 20.14   | 19.96   | 20.07   | 20.22   | 21.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 499200  | 508902  | 518598  | 528300  | 538002  |         |
| <b>10MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 20.00   | 20.23   | 20.13   | 20.08   | 20.21   | 21.00   |



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| N41 ECI 6 |                         |         |           | Conducted Power(dBm) |         |         |         |         |         |
|-----------|-------------------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz |                         |         |           |                      |         |         |         |         |         |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
|           |                         |         |           | 2546.01              | 2569.5  | 2592.99 | 2616.51 | 2640    |         |
| 100MHz    | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 20.99                | 21.10   | 20.97   | 21.09   | 21.18   | 22.00   |
|           |                         | 1       | 137       | 21.04                | 21.15   | 21.15   | 20.80   | 20.91   | 22.00   |
|           |                         | 1       | 271       | 21.04                | 20.94   | 20.97   | 20.61   | 21.05   | 22.00   |
|           |                         | 135     | 0         | 20.53                | 20.49   | 20.60   | 20.72   | 20.46   | 21.50   |
|           |                         | 135     | 69        | 21.15                | 21.27   | 21.15   | 21.27   | 20.97   | 22.00   |
|           |                         | 135     | 138       | 20.71                | 20.38   | 20.64   | 20.40   | 20.55   | 21.50   |
|           |                         | 270     | 0         | 20.58                | 20.69   | 20.39   | 20.58   | 20.46   | 21.50   |
|           | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.04                | 21.33   | 21.02   | 21.07   | 21.22   | 22.00   |
|           |                         | 1       | 137       | 20.96                | 21.10   | 21.24   | 20.92   | 21.00   | 22.00   |
|           |                         | 1       | 271       | 21.12                | 20.96   | 20.91   | 20.72   | 21.04   | 22.00   |
|           |                         | 135     | 0         | 20.06                | 20.12   | 19.98   | 20.19   | 19.99   | 21.00   |
|           |                         | 135     | 69        | 21.21                | 21.28   | 21.26   | 21.17   | 21.08   | 22.00   |
|           |                         | 135     | 138       | 20.09                | 19.92   | 20.01   | 20.13   | 20.09   | 21.00   |
|           |                         | 270     | 0         | 20.05                | 20.02   | 20.11   | 20.10   | 20.02   | 21.00   |
|           | DFT-s-OFDM<br>16QAM     | 1       | 1         | 19.75                | 19.76   | 19.70   | 19.71   | 19.78   | 21.00   |
|           | DFT-s-OFDM<br>64QAM     | 1       | 1         | 18.31                | 18.45   | 18.33   | 18.34   | 18.23   | 19.50   |
|           | DFT-s-OFDM<br>256QAM    | 1       | 1         | 17.07                | 16.95   | 16.89   | 17.02   | 16.96   | 17.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
| 100MHz    | CP-OFDM<br>QPSK         | 1       | 1         | 19.53                | 19.61   | 19.51   | 19.50   | 19.63   | 20.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 508200               | 513402  | 518598  | 523800  | 528996  |         |
| 90MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.03                | 21.26   | 21.11   | 21.06   | 21.15   | 22.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 507204               | 512904  | 518598  | 524298  | 529998  |         |
| 80MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 20.95                | 21.40   | 21.17   | 21.12   | 21.04   | 22.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 506202               | 512403  | 518598  | 524799  | 530997  |         |
| 70MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 20.94                | 21.20   | 21.09   | 21.10   | 21.22   | 22.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 505200               | 511902  | 518598  | 525300  | 531996  |         |
| 60MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.05                | 21.24   | 20.96   | 20.97   | 21.06   | 22.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |



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|           |                 |         |           |         |         |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|           |                 |         |           | 504204  | 511404  | 518598  | 525798  | 532998  |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 20.94   | 21.26   | 21.15   | 21.01   | 21.00   | 22.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 503703  | 511152  | 518598  | 526050  | 533499  |         |
| 45MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.08   | 21.16   | 20.95   | 21.04   | 21.12   | 22.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 503202  | 510900  | 518598  | 526302  | 534000  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 20.97   | 21.31   | 21.01   | 21.19   | 21.19   | 22.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 502701  | 510651  | 518598  | 526551  | 534498  |         |
| 35MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.08   | 21.21   | 20.92   | 21.09   | 21.04   | 22.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 502200  | 510402  | 518598  | 526800  | 534996  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.12   | 21.29   | 20.92   | 21.19   | 21.08   | 22.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 501702  | 510153  | 518598  | 527049  | 535497  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 20.95   | 21.28   | 20.87   | 21.12   | 20.96   | 22.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 501204  | 509904  | 518598  | 527298  | 535998  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.14   | 21.31   | 20.98   | 21.22   | 21.01   | 22.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 500202  | 509403  | 518598  | 527799  | 537000  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 20.99   | 21.12   | 21.00   | 21.03   | 21.17   | 22.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 499200  | 508902  | 518598  | 528300  | 538002  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.03   | 21.23   | 21.11   | 21.03   | 21.16   | 22.00   |



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| N66 ECI 2/3/4/6   |                      |         |           | Conducted Power(dBm) |         |         |         |
|-------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 15kHz         |                      |         |           |                      |         |         |         |
| Bandwidth         | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                   |                      |         |           | 346500               | 349000  | 351500  |         |
|                   |                      |         |           | 1732.5               | 1745    | 1757.5  |         |
| 45MHz             | DFT-s-OFDM PI/2 BPSK | 1       | 1         | 22.61                | 22.58   | 22.44   | 23.50   |
|                   |                      | 1       | 121       | 22.48                | 22.47   | 22.59   | 23.50   |
|                   |                      | 1       | 240       | 22.58                | 22.53   | 22.39   | 23.50   |
|                   |                      | 120     | 0         | 21.87                | 22.14   | 22.00   | 23.00   |
|                   |                      | 120     | 60        | 22.55                | 22.66   | 22.67   | 23.50   |
|                   |                      | 120     | 120       | 22.01                | 21.97   | 21.98   | 23.00   |
|                   |                      | 240     | 0         | 22.15                | 21.95   | 21.90   | 23.00   |
|                   | DFT-s-OFDM QPSK      | 1       | 1         | 22.74                | 22.68   | 22.63   | 23.50   |
|                   |                      | 1       | 121       | 22.68                | 22.73   | 22.67   | 23.50   |
|                   |                      | 1       | 240       | 22.71                | 22.63   | 22.55   | 23.50   |
|                   |                      | 120     | 0         | 21.46                | 21.56   | 21.48   | 22.50   |
|                   |                      | 120     | 60        | 22.65                | 22.58   | 22.58   | 23.50   |
|                   |                      | 120     | 120       | 21.56                | 21.51   | 21.51   | 22.50   |
|                   |                      | 240     | 0         | 21.61                | 21.54   | 21.48   | 22.50   |
|                   | DFT-s-OFDM 16QAM     | 1       | 1         | 21.27                | 21.25   | 21.29   | 22.50   |
| DFT-s-OFDM 64QAM  | 1                    | 1       | 19.79     | 19.79                | 19.78   | 21.00   |         |
| DFT-s-OFDM 256QAM | 1                    | 1       | 18.47     | 18.38                | 18.46   | 19.00   |         |
| Bandwidth         | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                   |                      |         |           | 346500               | 349000  | 351500  |         |
| 45MHz             | CP-OFDM QPSK         | 1       | 1         | 20.93                | 21.02   | 20.98   | 22.00   |
| Bandwidth         | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                   |                      |         |           | 346000               | 349000  | 352000  |         |
| 40MHz             | DFT-s-OFDM QPSK      | 1       | 1         | 22.53                | 22.60   | 22.43   | 23.50   |
| Bandwidth         | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                   |                      |         |           | 345500               | 349000  | 352500  |         |
| 35MHz             | DFT-s-OFDM QPSK      | 1       | 1         | 22.62                | 22.59   | 22.40   | 23.50   |
| Bandwidth         | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                   |                      |         |           | 345000               | 349000  | 353000  |         |
| 30MHz             | DFT-s-OFDM QPSK      | 1       | 1         | 22.47                | 22.41   | 22.53   | 23.50   |
| Bandwidth         | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                   |                      |         |           | 344500               | 349000  | 353500  |         |
| 25MHz             | DFT-s-OFDM QPSK      | 1       | 1         | 22.56                | 22.48   | 22.48   | 23.50   |
| Bandwidth         | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |



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|           |                 |         |           | 344000  | 349000  | 354000  |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.63   | 22.55   | 22.52   | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 343500  | 349000  | 354500  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.62   | 22.56   | 22.42   | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 343000  | 349000  | 355000  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.52   | 22.41   | 22.44   | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 342500  | 349000  | 355500  |         |
| 5MHz      | DFT-s-OFDM QPSK | 1       | 1         | 22.54   | 22.44   | 22.51   | 23.50   |

| N66 ECI 7         |                      |                  |           | Conducted Power(dBm) |         |         |         |
|-------------------|----------------------|------------------|-----------|----------------------|---------|---------|---------|
| SCS 15kHz         |                      |                  |           |                      |         |         |         |
| Bandwidth         | Modulation           | RB size          | RB offset | Channel              | Channel | Channel | Tune up |
|                   |                      |                  |           | 346500               | 349000  | 351500  |         |
|                   |                      |                  |           | 1732.5               | 1745    | 1757.5  |         |
| 45MHz             | DFT-s-OFDM PI/2 BPSK | 1                | 1         | 21.10                | 21.06   | 20.95   | 22.00   |
|                   |                      | 1                | 121       | 20.96                | 20.97   | 21.13   | 22.00   |
|                   |                      | 1                | 240       | 21.08                | 21.01   | 20.92   | 22.00   |
|                   |                      | 120              | 0         | 20.42                | 20.65   | 20.47   | 21.50   |
|                   |                      | 120              | 60        | 21.04                | 21.14   | 21.15   | 22.00   |
|                   |                      | 120              | 120       | 20.52                | 20.48   | 20.45   | 21.50   |
|                   | DFT-s-OFDM QPSK      | 240              | 0         | 20.64                | 20.50   | 20.45   | 21.50   |
|                   |                      | 1                | 1         | 21.08                | 21.05   | 20.92   | 22.00   |
|                   |                      | 1                | 121       | 20.96                | 21.06   | 20.96   | 22.00   |
|                   |                      | 1                | 240       | 21.05                | 21.01   | 20.85   | 22.00   |
|                   |                      | 120              | 0         | 20.00                | 20.01   | 20.02   | 21.00   |
|                   |                      | 120              | 60        | 21.16                | 21.06   | 21.13   | 22.00   |
|                   | DFT-s-OFDM 16QAM     | 120              | 120       | 20.05                | 19.99   | 20.03   | 21.00   |
|                   |                      | 240              | 0         | 20.07                | 20.00   | 19.98   | 21.00   |
|                   |                      | DFT-s-OFDM 64QAM | 1         | 1                    | 19.72   | 19.80   | 19.76   |
|                   | DFT-s-OFDM 256QAM    | 1                | 1         | 18.29                | 18.29   | 18.32   | 19.50   |
| DFT-s-OFDM 256QAM | 1                    | 1                | 17.01     | 16.92                | 16.97   | 17.50   |         |
| Bandwidth         | Modulation           | RB size          | RB offset | Channel              | Channel | Channel | Tune up |
|                   |                      |                  |           | 346500               | 349000  | 351500  |         |
| 45MHz             | CP-OFDM QPSK         | 1                | 1         | 19.41                | 19.51   | 19.44   | 20.50   |
| Bandwidth         | Modulation           | RB size          | RB offset | Channel              | Channel | Channel | Tune up |



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|              |                 |         |           |         |         |         |         |
|--------------|-----------------|---------|-----------|---------|---------|---------|---------|
|              |                 |         |           | 346000  | 349000  | 352000  |         |
| <b>40MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 20.99   | 21.11   | 20.93   | 22.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 345500  | 349000  | 352500  |         |
| <b>35MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 21.10   | 21.12   | 20.90   | 22.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 345000  | 349000  | 353000  |         |
| <b>30MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 20.93   | 20.92   | 21.07   | 22.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 344500  | 349000  | 353500  |         |
| <b>25MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 21.05   | 20.93   | 20.94   | 22.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 344000  | 349000  | 354000  |         |
| <b>20MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 21.17   | 21.02   | 21.05   | 22.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 343500  | 349000  | 354500  |         |
| <b>15MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 21.07   | 21.10   | 20.93   | 22.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 343000  | 349000  | 355000  |         |
| <b>10MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 20.97   | 20.89   | 20.90   | 22.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 342500  | 349000  | 355500  |         |
| <b>5MHz</b>  | DFT-s-OFDM QPSK | 1       | 1         | 21.09   | 20.95   | 20.96   | 22.00   |



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## 11.4 Conducted Power of NR Antenna (Ant4)

| N77 ECI 4            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450–3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 21.40   | /       | 22.00   |
|                      |                      | 1       | 137       | /                    | 21.15   | /       | 22.00   |
|                      |                      | 1       | 271       | /                    | 21.40   | /       | 22.00   |
|                      |                      | 135     | 0         | /                    | 20.74   | /       | 21.50   |
|                      |                      | 135     | 69        | /                    | 21.18   | /       | 22.00   |
|                      |                      | 135     | 138       | /                    | 20.83   | /       | 21.50   |
|                      |                      | 270     | 0         | /                    | 20.61   | /       | 21.50   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 21.31   | /       | 22.00   |
|                      |                      | 1       | 137       | /                    | 21.08   | /       | 22.00   |
|                      |                      | 1       | 271       | /                    | 21.37   | /       | 22.00   |
|                      |                      | 135     | 0         | /                    | 20.28   | /       | 21.00   |
|                      |                      | 135     | 69        | /                    | 21.22   | /       | 22.00   |
|                      |                      | 135     | 138       | /                    | 20.29   | /       | 21.00   |
|                      |                      | 270     | 0         | /                    | 20.22   | /       | 21.00   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 20.15   | /       | 21.00   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 18.71   | /       | 19.50   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 17.10   | /       | 17.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 20.02   | /       | 20.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 631334               | 633334  | 635334  |         |
| 40MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 24.91                | 21.34   | 24.76   | 22.00   |

| N77 ECI 2            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 12.96   | /       | 13.50   |
|                      |                      | 1       | 137       | /                    | 12.78   | /       | 13.50   |
|                      |                      | 1       | 271       | /                    | 13.04   | /       | 13.50   |
|                      |                      | 135     | 0         | /                    | 12.33   | /       | 13.00   |
|                      |                      | 135     | 69        | /                    | 12.81   | /       | 13.50   |
|                      |                      | 135     | 138       | /                    | 12.38   | /       | 13.00   |
|                      |                      | 270     | 0         | /                    | 12.18   | /       | 13.00   |
|                      |                      |         | 1         | 1                    | /       | 12.94   | /       |



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|           |                   |         |           |         |         |         |         |
|-----------|-------------------|---------|-----------|---------|---------|---------|---------|
|           | DFT-s-OFDM QPSK   | 1       | 137       | /       | 12.73   | /       | 13.50   |
|           |                   | 1       | 271       | /       | 12.97   | /       | 13.50   |
|           |                   | 135     | 0         | /       | 11.92   | /       | 12.50   |
|           |                   | 135     | 69        | /       | 12.87   | /       | 13.50   |
|           |                   | 135     | 138       | /       | 11.89   | /       | 12.50   |
|           |                   | 270     | 0         | /       | 11.78   | /       | 12.50   |
|           | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 11.80   | /       | 12.50   |
|           | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 10.26   | /       | 11.00   |
|           | DFT-s-OFDM 256QAM | 1       | 1         | /       | 8.72    | /       | 9.00    |
|           |                   |         |           |         |         |         |         |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | /       | 633334  | /       |         |
| 100MHz    | CP-OFDM QPSK      | 1       | 1         | /       | 11.63   | /       | 12.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 12.92   | 12.94   | 12.90   | 13.50   |

| N77 ECI 3            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 13.56   | /       | 14.00   |
|                      |                      | 1       | 137       | /                    | 13.29   | /       | 14.00   |
|                      |                      | 1       | 271       | /                    | 13.58   | /       | 14.00   |
|                      |                      | 135     | 0         | /                    | 12.92   | /       | 13.50   |
|                      |                      | 135     | 69        | /                    | 13.32   | /       | 14.00   |
|                      |                      | 135     | 138       | /                    | 12.95   | /       | 13.50   |
|                      |                      | 270     | 0         | /                    | 12.71   | /       | 13.50   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 13.43   | /       | 14.00   |
|                      |                      | 1       | 137       | /                    | 13.24   | /       | 14.00   |
|                      |                      | 1       | 271       | /                    | 13.50   | /       | 14.00   |
|                      |                      | 135     | 0         | /                    | 12.48   | /       | 13.00   |
|                      |                      | 135     | 69        | /                    | 13.35   | /       | 14.00   |
|                      |                      | 135     | 138       | /                    | 12.39   | /       | 13.00   |
|                      |                      | 270     | 0         | /                    | 12.33   | /       | 13.00   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 12.25   | /       | 13.00   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 10.81   | /       | 11.50   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 9.21    | /       | 9.50    |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 12.20   | /       | 12.50   |



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| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
|           |                 |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.50   | 13.51   | 13.53   | 14.00   |

| N77 ECI 7            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 12.15   | /       | 12.50   |
|                      |                      | 1       | 137       | /                    | 11.95   | /       | 12.50   |
|                      |                      | 1       | 271       | /                    | 12.20   | /       | 12.50   |
|                      |                      | 135     | 0         | /                    | 11.52   | /       | 12.00   |
|                      |                      | 135     | 69        | /                    | 11.88   | /       | 12.50   |
|                      |                      | 135     | 138       | /                    | 11.63   | /       | 12.00   |
|                      |                      | 270     | 0         | /                    | 11.34   | /       | 12.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 12.03   | /       | 12.50   |
|                      |                      | 1       | 137       | /                    | 11.84   | /       | 12.50   |
|                      |                      | 1       | 271       | /                    | 12.17   | /       | 12.50   |
|                      |                      | 135     | 0         | /                    | 11.01   | /       | 11.50   |
|                      |                      | 135     | 69        | /                    | 12.01   | /       | 12.50   |
|                      |                      | 135     | 138       | /                    | 10.99   | /       | 11.50   |
|                      |                      | 270     | 0         | /                    | 11.00   | /       | 11.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 10.86   | /       | 11.50   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 9.44    | /       | 10.00   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 7.90    | /       | 8.00    |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 10.78   | /       | 11.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 631334               | 633334  | 635334  |         |
| 40MHz                | DFT-s-OFDM OPSK      | 1       | 1         | 12.07                | 12.05   | 12.10   | 12.50   |

| N77 ECI 6            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 18.13   | /       | 18.50   |
|                      |                      | 1       | 137       | /                    | 18.15   | /       | 18.50   |
|                      |                      | 1       | 271       | /                    | 18.34   | /       | 18.50   |
|                      |                      | 135     | 0         | /                    | 17.50   | /       | 18.00   |
|                      |                      | 135     | 69        | /                    | 17.88   | /       | 18.50   |



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|           | DFT-s-OFDM QPSK  | 135     | 138       | /       | 17.76   | /       | 18.00   |
|           |                  | 270     | 0         | /       | 17.17   | /       | 18.00   |
|           |                  | 1       | 1         | /       | 17.93   | /       | 18.50   |
|           |                  | 1       | 137       | /       | 18.02   | /       | 18.50   |
|           |                  | 1       | 271       | /       | 18.36   | /       | 18.50   |
|           |                  | 135     | 0         | /       | 17.02   | /       | 17.50   |
|           |                  | 135     | 69        | /       | 17.90   | /       | 18.50   |
|           |                  | 135     | 138       | /       | 16.84   | /       | 17.50   |
|           |                  | 270     | 0         | /       | 17.04   | /       | 17.50   |
|           | DFT-s-OFDM 16QAM | 1       | 1         | /       | 16.93   | /       | 17.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | /       | 633334  | /       |         |
| 100MHz    | CP-OFDM QPSK     | 1       | 1         | /       | 16.81   | /       | 17.00   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                  |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM QPSK  | 1       | 1         | 18.42   | 18.13   | 18.52   | 18.50   |

| N77 ECI 4            |                         |         |           |         | Conducted Power(dBm) |         |         |         |         |         |
|----------------------|-------------------------|---------|-----------|---------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz(3700~3980) |                         |         |           |         |                      |         |         |         |         |         |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 650000  | 652400               | 654800  | 657200  | 659600  | 662000  |         |
|                      |                         |         |           | 3750.00 | 3786.00              | 3822.00 | 3858.00 | 3894.00 | 3930.00 |         |
| 100MHz               | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 21.22   | 20.89                | 20.87   | 20.67   | 20.58   | 20.46   | 22.00   |
|                      |                         | 1       | 137       | 20.85   | 20.75                | 20.66   | 20.45   | 20.27   | 20.04   | 22.00   |
|                      |                         | 1       | 271       | 20.77   | 20.63                | 20.45   | 20.23   | 20.09   | 20.10   | 22.00   |
|                      |                         | 135     | 0         | 20.60   | 20.39                | 20.39   | 20.15   | 20.01   | 19.75   | 21.50   |
|                      |                         | 135     | 69        | 20.84   | 20.84                | 20.70   | 20.45   | 20.27   | 20.09   | 22.00   |
|                      |                         | 135     | 138       | 20.36   | 20.29                | 20.21   | 19.82   | 19.64   | 19.54   | 21.50   |
|                      |                         | 270     | 0         | 20.43   | 20.21                | 20.22   | 20.00   | 19.76   | 19.62   | 21.50   |
|                      | DFT-s-OFDM<br>QPSK      | 1       | 1         | 21.24   | 20.86                | 20.79   | 20.65   | 20.62   | 20.39   | 22.00   |
|                      |                         | 1       | 137       | 20.89   | 20.78                | 20.65   | 20.50   | 20.24   | 20.06   | 22.00   |
|                      |                         | 1       | 271       | 20.76   | 20.54                | 20.44   | 20.19   | 20.06   | 20.08   | 22.00   |
|                      |                         | 135     | 0         | 20.10   | 19.87                | 19.83   | 19.60   | 19.49   | 19.19   | 21.00   |
|                      |                         | 135     | 69        | 20.86   | 20.77                | 20.75   | 20.54   | 20.32   | 20.39   | 22.00   |
|                      |                         | 135     | 138       | 19.87   | 19.74                | 19.62   | 19.26   | 19.13   | 19.05   | 21.00   |
|                      |                         | 270     | 0         | 19.92   | 19.70                | 19.71   | 19.37   | 19.26   | 19.11   | 21.00   |
|                      | DFT-s-OFDM<br>16QAM     | 1       | 1         | 19.84   | 19.70                | 19.63   | 19.41   | 19.26   | 19.13   | 21.00   |
|                      | DFT-s-OFDM<br>64QAM     | 1       | 1         | 18.49   | 18.43                | 18.36   | 18.03   | 17.96   | 17.89   | 19.50   |



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|                  |                        |                |                  |                |                |                |                |                |                |                |
|------------------|------------------------|----------------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                  | DFT-s-OFDM<br>256QAM   | 1              | 1                | 17.13          | 17.03          | 16.95          | 16.57          | 16.55          | 16.42          | 17.50          |
| <b>Bandwidth</b> | <b>Modulation</b>      | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                        |                |                  | 650000         | 652400         | 654800         | 657200         | 659600         | 662000         |                |
| <b>100MHz</b>    | <b>CP-OFDM QPSK</b>    | <b>1</b>       | <b>1</b>         | <b>19.84</b>   | <b>19.67</b>   | <b>19.49</b>   | <b>19.21</b>   | <b>19.18</b>   | <b>19.09</b>   | <b>20.50</b>   |
| <b>Bandwidth</b> | <b>Modulation</b>      | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                        |                |                  | 648000         | 651200         | 654400         | 657600         | 660800         | 664000         |                |
| <b>40MHz</b>     | <b>DFT-s-OFDM QPSK</b> | <b>1</b>       | <b>1</b>         | <b>21.08</b>   | <b>21.03</b>   | <b>20.89</b>   | <b>20.69</b>   | <b>20.47</b>   | <b>20.41</b>   | <b>22.00</b>   |

| N77 ECI 2            |                         |         |           |         | Conducted Power(dBm) |         |         |         |         |         |
|----------------------|-------------------------|---------|-----------|---------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz(3700~3980) |                         |         |           |         |                      |         |         |         |         |         |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 650000  | 652400               | 654800  | 657200  | 659600  | 662000  |         |
|                      |                         |         |           | 3750.00 | 3786.00              | 3822.00 | 3858.00 | 3894.00 | 3930.00 |         |
| 100MHz               | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 12.68   | 12.34                | 12.39   | 12.13   | 12.11   | 11.93   | 13.50   |
|                      |                         | 1       | 137       | 12.32   | 12.21                | 12.12   | 11.94   | 11.81   | 11.50   | 13.50   |
|                      |                         | 1       | 271       | 12.22   | 12.09                | 11.93   | 11.69   | 11.60   | 11.62   | 13.50   |
|                      |                         | 135     | 0         | 12.06   | 11.91                | 11.90   | 11.67   | 11.54   | 11.22   | 13.00   |
|                      |                         | 135     | 69        | 12.33   | 12.37                | 12.16   | 11.90   | 11.81   | 11.54   | 13.50   |
|                      |                         | 135     | 138       | 11.89   | 11.76                | 11.74   | 11.30   | 11.14   | 11.08   | 13.00   |
|                      |                         | 270     | 0         | 11.92   | 11.68                | 11.71   | 11.45   | 11.22   | 11.07   | 13.00   |
|                      | DFT-s-OFDM<br>QPSK      | 1       | 1         | 12.74   | 12.41                | 12.32   | 12.14   | 12.13   | 11.89   | 13.50   |
|                      |                         | 1       | 137       | 12.35   | 12.25                | 12.15   | 12.05   | 11.76   | 11.56   | 13.50   |
|                      |                         | 1       | 271       | 12.28   | 12.03                | 11.93   | 11.74   | 11.52   | 11.54   | 13.50   |
|                      |                         | 135     | 0         | 11.60   | 11.34                | 11.29   | 11.10   | 10.96   | 10.67   | 12.50   |
|                      |                         | 135     | 69        | 12.32   | 12.26                | 12.22   | 12.02   | 11.81   | 11.59   | 13.50   |
|                      |                         | 135     | 138       | 11.35   | 11.23                | 11.07   | 10.74   | 10.62   | 10.56   | 12.50   |
|                      |                         | 270     | 0         | 11.44   | 11.19                | 11.26   | 10.89   | 10.75   | 10.60   | 12.50   |
|                      | DFT-s-OFDM<br>16QAM     | 1       | 1         | 11.32   | 11.15                | 11.16   | 10.86   | 10.77   | 10.62   | 12.50   |
|                      | DFT-s-OFDM<br>64QAM     | 1       | 1         | 9.97    | 9.97                 | 9.84    | 9.52    | 9.43    | 9.43    | 11.00   |
|                      | DFT-s-OFDM<br>256QAM    | 1       | 1         | 8.66    | 8.55                 | 8.47    | 8.07    | 8.10    | 7.88    | 9.00    |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 650000  | 652400               | 654800  | 657200  | 659600  | 662000  |         |
| 100MHz               | CP-OFDM<br>QPSK         | 1       | 1         | 11.34   | 11.14                | 11.04   | 10.67   | 10.67   | 10.56   | 12.00   |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 648000  | 651200               | 654400  | 657600  | 660800  | 664000  |         |
| 40MHz                | DFT-s-OFDM<br>QPSK      | 1       | 1         | 12.62   | 12.58                | 12.37   | 12.14   | 12.00   | 11.90   | 13.50   |



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| N77 ECI 3            |                         |         |           |                   | Conducted Power(dBm) |                   |                   |                   |                   |         |
|----------------------|-------------------------|---------|-----------|-------------------|----------------------|-------------------|-------------------|-------------------|-------------------|---------|
| SCS 30kHz(3700~3980) |                         |         |           |                   |                      |                   |                   |                   |                   |         |
| Bandwidth            | Modulation              | RB size | RB offset | Channel<br>650000 | Channel<br>652400    | Channel<br>654800 | Channel<br>657200 | Channel<br>659600 | Channel<br>662000 | Tune up |
|                      |                         |         |           | 3750.00           | 3786.00              | 3822.00           | 3858.00           | 3894.00           | 3930.00           |         |
| 100MHz               | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 13.20             | 12.92                | 12.90             | 12.71             | 12.53             | 12.42             | 14.00   |
|                      |                         | 1       | 137       | 12.80             | 12.75                | 12.62             | 12.48             | 12.24             | 12.05             | 14.00   |
|                      |                         | 1       | 271       | 12.78             | 12.65                | 12.43             | 12.23             | 12.11             | 12.05             | 14.00   |
|                      |                         | 135     | 0         | 12.60             | 12.42                | 12.44             | 12.12             | 11.99             | 11.77             | 13.50   |
|                      |                         | 135     | 69        | 12.84             | 12.79                | 12.72             | 12.45             | 12.26             | 12.06             | 14.00   |
|                      |                         | 135     | 138       | 12.34             | 12.28                | 12.23             | 11.83             | 11.69             | 11.58             | 13.50   |
|                      |                         | 270     | 0         | 12.42             | 12.21                | 12.18             | 12.05             | 11.81             | 11.65             | 13.50   |
|                      | DFT-s-OFDM<br>QPSK      | 1       | 1         | 13.29             | 12.88                | 12.77             | 12.70             | 12.63             | 12.34             | 14.00   |
|                      |                         | 1       | 137       | 12.92             | 12.82                | 12.60             | 12.49             | 12.22             | 12.01             | 14.00   |
|                      |                         | 1       | 271       | 12.79             | 12.59                | 12.48             | 12.21             | 12.04             | 12.08             | 14.00   |
|                      |                         | 135     | 0         | 12.14             | 11.89                | 11.87             | 11.58             | 11.45             | 11.14             | 13.00   |
|                      |                         | 135     | 69        | 12.84             | 12.78                | 12.77             | 12.54             | 12.26             | 12.14             | 14.00   |
|                      |                         | 135     | 138       | 11.86             | 11.71                | 11.64             | 11.28             | 11.12             | 11.05             | 13.00   |
|                      | 270                     | 0       | 11.93     | 11.66             | 11.75                | 11.38             | 11.23             | 11.07             | 13.00             |         |
|                      | DFT-s-OFDM<br>16QAM     | 1       | 1         | 11.81             | 11.72                | 11.63             | 11.46             | 11.29             | 11.18             | 13.00   |
|                      | DFT-s-OFDM<br>64QAM     | 1       | 1         | 10.44             | 10.47                | 10.40             | 10.00             | 9.91              | 9.92              | 11.50   |
|                      | DFT-s-OFDM<br>256QAM    | 1       | 1         | 9.10              | 9.03                 | 8.90              | 8.62              | 8.54              | 8.40              | 9.50    |
| Bandwidth            | Modulation              | RB size | RB offset | Channel<br>650000 | Channel<br>652400    | Channel<br>654800 | Channel<br>657200 | Channel<br>659600 | Channel<br>662000 | Tune up |
| 100MHz               | CP-OFDM<br>QPSK         | 1       | 1         | 11.87             | 11.70                | 11.46             | 11.18             | 11.23             | 11.04             | 12.50   |
| Bandwidth            | Modulation              | RB size | RB offset | Channel<br>648000 | Channel<br>651200    | Channel<br>654400 | Channel<br>657600 | Channel<br>660800 | Channel<br>664000 | Tune up |
| 40MHz                | DFT-s-OFDM<br>QPSK      | 1       | 1         | 13.08             | 13.06                | 12.89             | 12.71             | 12.45             | 12.36             | 14.00   |



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| N77 ECI 7            |                         |         |           |                   | Conducted Power(dBm) |                   |                   |                   |                   |         |
|----------------------|-------------------------|---------|-----------|-------------------|----------------------|-------------------|-------------------|-------------------|-------------------|---------|
| SCS 30kHz(3700~3980) |                         |         |           |                   |                      |                   |                   |                   |                   |         |
| Bandwidth            | Modulation              | RB size | RB offset | Channel<br>650000 | Channel<br>652400    | Channel<br>654800 | Channel<br>657200 | Channel<br>659600 | Channel<br>662000 | Tune up |
|                      |                         |         |           | 3750.00           | 3786.00              | 3822.00           | 3858.00           | 3894.00           | 3930.00           |         |
| 100MHz               | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 11.74             | 11.39                | 11.40             | 11.14             | 11.11             | 10.99             | 12.50   |
|                      |                         | 1       | 137       | 11.31             | 11.24                | 11.19             | 10.94             | 10.74             | 10.52             | 12.50   |
|                      |                         | 1       | 271       | 11.26             | 11.11                | 11.00             | 10.72             | 10.57             | 10.61             | 12.50   |
|                      |                         | 135     | 0         | 11.06             | 10.94                | 10.87             | 10.66             | 10.50             | 10.27             | 12.00   |
|                      |                         | 135     | 69        | 11.35             | 11.39                | 11.23             | 10.99             | 10.76             | 10.59             | 12.50   |
|                      |                         | 135     | 138       | 10.86             | 10.76                | 10.71             | 10.35             | 10.16             | 10.01             | 12.00   |
|                      |                         | 270     | 0         | 10.91             | 10.76                | 10.74             | 10.48             | 10.27             | 10.17             | 12.00   |
|                      | DFT-s-OFDM<br>QPSK      | 1       | 1         | 11.76             | 11.39                | 11.33             | 11.19             | 11.08             | 10.84             | 12.50   |
|                      |                         | 1       | 137       | 11.36             | 11.28                | 11.13             | 11.01             | 10.71             | 10.51             | 12.50   |
|                      |                         | 1       | 271       | 11.25             | 11.00                | 10.90             | 10.69             | 10.60             | 10.54             | 12.50   |
|                      |                         | 135     | 0         | 10.57             | 10.39                | 10.35             | 10.10             | 9.98              | 9.74              | 11.50   |
|                      |                         | 135     | 69        | 11.40             | 11.29                | 11.23             | 11.07             | 10.83             | 10.72             | 12.50   |
|                      |                         | 135     | 138       | 10.36             | 10.29                | 10.12             | 9.72              | 9.60              | 9.52              | 11.50   |
|                      |                         | 270     | 0         | 10.39             | 10.18                | 10.25             | 9.92              | 9.79              | 9.59              | 11.50   |
|                      | DFT-s-OFDM<br>16QAM     | 1       | 1         | 10.31             | 10.22                | 10.16             | 9.95              | 9.74              | 9.67              | 11.50   |
|                      | DFT-s-OFDM<br>64QAM     | 1       | 1         | 8.94              | 8.88                 | 8.88              | 8.48              | 8.49              | 8.41              | 10.00   |
|                      | DFT-s-OFDM<br>256QAM    | 1       | 1         | 7.67              | 7.48                 | 7.42              | 7.08              | 7.00              | 6.88              | 8.00    |
| Bandwidth            | Modulation              | RB size | RB offset | Channel<br>650000 | Channel<br>652400    | Channel<br>654800 | Channel<br>657200 | Channel<br>659600 | Channel<br>662000 | Tune up |
| 100MHz               | CP-OFDM<br>QPSK         | 1       | 1         | 10.29             | 10.19                | 10.00             | 9.70              | 9.69              | 9.64              | 11.00   |
| Bandwidth            | Modulation              | RB size | RB offset | Channel<br>648000 | Channel<br>651200    | Channel<br>654400 | Channel<br>657600 | Channel<br>660800 | Channel<br>664000 | Tune up |
| 40MHz                | DFT-s-OFDM<br>QPSK      | 1       | 1         | 11.56             | 11.57                | 11.38             | 11.21             | 10.92             | 10.95             | 12.50   |



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| N77 ECI 6            |                         |         |           |         | Conducted Power(dBm) |         |         |         |         |         |
|----------------------|-------------------------|---------|-----------|---------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz(3700~3980) |                         |         |           |         |                      |         |         |         |         |         |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 650000  | 652400               | 654800  | 657200  | 659600  | 662000  |         |
|                      |                         |         |           | 3750.00 | 3786.00              | 3822.00 | 3858.00 | 3894.00 | 3930.00 |         |
| 100MHz               | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 17.90   | 17.27                | 17.25   | 17.16   | 17.24   | 16.88   | 18.50   |
|                      |                         | 1       | 137       | 17.46   | 17.19                | 17.05   | 16.90   | 16.65   | 16.60   | 18.50   |
|                      |                         | 1       | 271       | 17.25   | 17.28                | 17.14   | 16.70   | 16.54   | 16.74   | 18.50   |
|                      |                         | 135     | 0         | 17.24   | 16.94                | 17.04   | 16.74   | 16.51   | 16.10   | 18.00   |
|                      |                         | 135     | 69        | 17.50   | 17.53                | 17.05   | 17.04   | 16.58   | 16.62   | 18.50   |
|                      |                         | 135     | 138       | 16.97   | 16.82                | 16.69   | 16.50   | 16.22   | 16.14   | 18.00   |
|                      |                         | 270     | 0         | 16.95   | 16.95                | 16.71   | 16.54   | 16.15   | 16.14   | 18.00   |
|                      | DFT-s-OFDM<br>QPSK      | 1       | 1         | 17.93   | 17.24                | 17.19   | 17.07   | 16.96   | 16.80   | 18.50   |
|                      |                         | 1       | 137       | 17.30   | 17.14                | 16.95   | 16.85   | 16.63   | 16.72   | 18.50   |
|                      |                         | 1       | 271       | 17.07   | 17.15                | 17.01   | 16.77   | 16.70   | 16.62   | 18.50   |
|                      |                         | 135     | 0         | 16.65   | 16.38                | 16.19   | 16.14   | 15.93   | 15.94   | 17.50   |
|                      |                         | 135     | 69        | 17.53   | 17.32                | 17.19   | 17.16   | 16.85   | 16.61   | 18.50   |
|                      |                         | 135     | 138       | 16.22   | 16.12                | 16.22   | 15.80   | 15.76   | 15.67   | 17.50   |
|                      |                         | 270     | 0         | 16.26   | 16.30                | 16.09   | 15.97   | 15.92   | 15.63   | 17.50   |
|                      | DFT-s-OFDM<br>16QAM     | 1       | 1         | 16.26   | 16.04                | 16.05   | 15.96   | 15.64   | 15.56   | 17.50   |
|                      | DFT-s-OFDM<br>64QAM     | 1       | 1         | 14.92   | 15.06                | 15.03   | 14.67   | 14.64   | 14.43   | 16.00   |
|                      | DFT-s-OFDM<br>256QAM    | 1       | 1         | 13.68   | 13.68                | 13.40   | 12.95   | 12.89   | 12.70   | 14.00   |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 650000  | 652400               | 654800  | 657200  | 659600  | 662000  |         |
| 100MHz               | CP-OFDM<br>QPSK         | 1       | 1         | 16.43   | 16.35                | 15.83   | 15.66   | 15.78   | 15.54   | 17.00   |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 648000  | 651200               | 654400  | 657600  | 660800  | 664000  |         |
| 40MHz                | DFT-s-OFDM<br>QPSK      | 1       | 1         | 17.63   | 17.46                | 17.58   | 17.03   | 17.12   | 17.09   | 18.50   |



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| N78 ECI 4            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 21.41   | /       | 22.00   |
|                      |                      | 1       | 137       | /                    | 21.26   | /       | 22.00   |
|                      |                      | 1       | 271       | /                    | 21.43   | /       | 22.00   |
|                      |                      | 135     | 0         | /                    | 20.80   | /       | 21.50   |
|                      |                      | 135     | 69        | /                    | 21.29   | /       | 22.00   |
|                      |                      | 135     | 138       | /                    | 21.02   | /       | 21.50   |
|                      |                      | 270     | 0         | /                    | 20.84   | /       | 21.50   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 21.37   | /       | 22.00   |
|                      |                      | 1       | 137       | /                    | 21.22   | /       | 22.00   |
|                      |                      | 1       | 271       | /                    | 21.56   | /       | 22.00   |
|                      |                      | 135     | 0         | /                    | 20.30   | /       | 21.00   |
|                      |                      | 135     | 69        | /                    | 21.25   | /       | 22.00   |
|                      |                      | 135     | 138       | /                    | 20.44   | /       | 21.00   |
|                      |                      | 270     | 0         | /                    | 20.35   | /       | 21.00   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 20.07   | /       | 21.00   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 18.77   | /       | 19.50   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 17.14   | /       | 17.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 19.97   | /       | 20.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 633000               | 633334  | 633668  |         |
| 90MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 21.45                | 21.56   | 21.45   | 22.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 632668               | 633334  | 634000  |         |
| 80MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 21.35                | 21.60   | 21.55   | 22.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 632334               | 633334  | 634334  |         |
| 70MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 21.35                | 21.61   | 21.46   | 22.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 632000               | 633334  | 634668  |         |
| 60MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 21.43                | 21.61   | 21.36   | 22.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |



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|              |                 |         |           |         |         |         |         |
|--------------|-----------------|---------|-----------|---------|---------|---------|---------|
|              |                 |         |           | 631668  | 633334  | 635000  |         |
| <b>50MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 21.48   | 21.58   | 21.38   | 22.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 631334  | 633334  | 635334  |         |
| <b>40MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 21.49   | 21.63   | 21.38   | 22.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 631001  | 633334  | 635667  |         |
| <b>30MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 21.43   | 21.63   | 21.37   | 22.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 630834  | 633334  | 635833  |         |
| <b>25MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 21.42   | 21.60   | 21.53   | 22.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 630668  | 633334  | 636000  |         |
| <b>20MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 21.35   | 21.46   | 21.42   | 22.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 630501  | 633334  | 636167  |         |
| <b>15MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 21.41   | 21.56   | 21.37   | 22.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 630334  | 633334  | 636334  |         |
| <b>10MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 21.45   | 21.47   | 21.40   | 22.00   |



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| N78 ECI 2            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 12.97   | /       | 13.50   |
|                      |                      | 1       | 137       | /                    | 12.88   | /       | 13.50   |
|                      |                      | 1       | 271       | /                    | 13.06   | /       | 13.50   |
|                      |                      | 135     | 0         | /                    | 12.44   | /       | 13.00   |
|                      |                      | 135     | 69        | /                    | 12.93   | /       | 13.50   |
|                      |                      | 135     | 138       | /                    | 12.58   | /       | 13.00   |
|                      |                      | 270     | 0         | /                    | 12.45   | /       | 13.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 12.92   | /       | 13.50   |
|                      |                      | 1       | 137       | /                    | 12.79   | /       | 13.50   |
|                      |                      | 1       | 271       | /                    | 13.21   | /       | 13.50   |
|                      |                      | 135     | 0         | /                    | 11.89   | /       | 12.50   |
|                      |                      | 135     | 69        | /                    | 12.85   | /       | 13.50   |
|                      |                      | 135     | 138       | /                    | 12.03   | /       | 12.50   |
|                      |                      | 270     | 0         | /                    | 11.94   | /       | 12.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 11.66   | /       | 12.50   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 10.34   | /       | 11.00   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 8.79    | /       | 9.00    |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 11.53   | /       | 12.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 633000               | 633334  | 633668  |         |
| 90MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 13.06                | 13.13   | 13.04   | 13.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 632668               | 633334  | 634000  |         |
| 80MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 12.97                | 13.16   | 13.13   | 13.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 632334               | 633334  | 634334  |         |
| 70MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 12.90                | 13.26   | 13.03   | 13.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 632000               | 633334  | 634668  |         |
| 60MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 13.04                | 13.22   | 12.97   | 13.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 631668               | 633334  | 635000  |         |
| 50MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 13.10                | 13.19   | 13.02   | 13.50   |



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| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
|           |                 |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.09   | 13.25   | 13.02   | 13.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631001  | 633334  | 635667  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.07   | 13.23   | 12.99   | 13.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630834  | 633334  | 635833  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.01   | 13.16   | 13.14   | 13.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630668  | 633334  | 636000  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.91   | 13.03   | 12.98   | 13.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630501  | 633334  | 636167  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.98   | 13.19   | 12.95   | 13.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630334  | 633334  | 636334  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.02   | 13.03   | 12.99   | 13.50   |

| N78 ECI 3            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 13.49   | /       | 14.00   |
|                      |                      | 1       | 137       | /                    | 13.34   | /       | 14.00   |
|                      |                      | 1       | 271       | /                    | 13.58   | /       | 14.00   |
|                      |                      | 135     | 0         | /                    | 12.89   | /       | 13.50   |
|                      |                      | 135     | 69        | /                    | 13.40   | /       | 14.00   |
|                      |                      | 135     | 138       | /                    | 13.15   | /       | 13.50   |
|                      |                      | 270     | 0         | /                    | 12.91   | /       | 13.50   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 13.48   | /       | 14.00   |
|                      |                      | 1       | 137       | /                    | 13.36   | /       | 14.00   |
|                      |                      | 1       | 271       | /                    | 13.69   | /       | 14.00   |
|                      |                      | 135     | 0         | /                    | 12.35   | /       | 13.00   |
|                      |                      | 135     | 69        | /                    | 13.38   | /       | 14.00   |
|                      |                      | 135     | 138       | /                    | 12.59   | /       | 13.00   |
|                      |                      | 270     | 0         | /                    | 12.43   | /       | 13.00   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 12.22   | /       | 13.00   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 10.88   | /       | 11.50   |



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|           |                      |         |           |         |         |         |         |
|-----------|----------------------|---------|-----------|---------|---------|---------|---------|
|           | DFT-s-OFDM<br>256QAM | 1       | 1         | /       | 9.28    | /       | 9.50    |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | /       | 633334  | /       |         |
| 100MHz    | CP-OFDM<br>QPSK      | 1       | 1         | /       | 12.10   | /       | 12.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 633000  | 633334  | 633668  |         |
| 90MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 13.53   | 13.71   | 13.52   | 14.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 632668  | 633334  | 634000  |         |
| 80MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 13.42   | 13.68   | 13.64   | 14.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 632334  | 633334  | 634334  |         |
| 70MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 13.44   | 13.69   | 13.56   | 14.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 632000  | 633334  | 634668  |         |
| 60MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 13.53   | 13.75   | 13.46   | 14.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 631668  | 633334  | 635000  |         |
| 50MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 13.57   | 13.63   | 13.53   | 14.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 13.61   | 13.69   | 13.48   | 14.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 631001  | 633334  | 635667  |         |
| 30MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 13.53   | 13.76   | 13.44   | 14.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 630834  | 633334  | 635833  |         |
| 25MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 13.47   | 13.68   | 13.68   | 14.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 630668  | 633334  | 636000  |         |
| 20MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 13.47   | 13.60   | 13.47   | 14.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 630501  | 633334  | 636167  |         |



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|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.48   | 13.62   | 13.42   | 14.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630334  | 633334  | 636334  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.53   | 13.60   | 13.54   | 14.00   |

| N78 ECI 7            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 12.00   | /       | 12.50   |
|                      |                      | 1       | 137       | /                    | 11.87   | /       | 12.50   |
|                      |                      | 1       | 271       | /                    | 12.00   | /       | 12.50   |
|                      |                      | 135     | 0         | /                    | 11.40   | /       | 12.00   |
|                      |                      | 135     | 69        | /                    | 11.87   | /       | 12.50   |
|                      |                      | 135     | 138       | /                    | 11.58   | /       | 12.00   |
|                      |                      | 270     | 0         | /                    | 11.39   | /       | 12.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 11.93   | /       | 12.50   |
|                      |                      | 1       | 137       | /                    | 11.81   | /       | 12.50   |
|                      |                      | 1       | 271       | /                    | 12.19   | /       | 12.50   |
|                      |                      | 135     | 0         | /                    | 10.89   | /       | 11.50   |
|                      |                      | 135     | 69        | /                    | 11.89   | /       | 12.50   |
|                      |                      | 135     | 138       | /                    | 11.02   | /       | 11.50   |
|                      |                      | 270     | 0         | /                    | 10.96   | /       | 11.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 10.68   | /       | 11.50   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 9.40    | /       | 10.00   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 7.74    | /       | 8.00    |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 10.55   | /       | 11.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 633000               | 633334  | 633668  |         |
| 90MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 12.04                | 12.16   | 12.05   | 12.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 632668               | 633334  | 634000  |         |
| 80MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 11.99                | 12.20   | 12.11   | 12.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 632334               | 633334  | 634334  |         |



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|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 70MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.00   | 12.21   | 12.10   | 12.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 632000  | 633334  | 634668  |         |
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.02   | 12.18   | 11.91   | 12.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631668  | 633334  | 635000  |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.03   | 12.18   | 12.02   | 12.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.11   | 12.20   | 11.99   | 12.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631001  | 633334  | 635667  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.01   | 12.23   | 11.97   | 12.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630834  | 633334  | 635833  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 11.97   | 12.24   | 12.18   | 12.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630668  | 633334  | 636000  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 11.95   | 12.08   | 12.06   | 12.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630501  | 633334  | 636167  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 11.97   | 12.15   | 11.98   | 12.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630334  | 633334  | 636334  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.02   | 12.03   | 12.05   | 12.50   |

| N78 ECI 6            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 18.19   | /       | 18.50   |
|                      |                      | 1       | 137       | /                    | 17.73   | /       | 18.50   |
|                      |                      | 1       | 271       | /                    | 18.18   | /       | 18.50   |
|                      |                      | 135     | 0         | /                    | 17.21   | /       | 18.00   |
|                      |                      | 135     | 69        | /                    | 17.80   | /       | 18.50   |
|                      |                      | 135     | 138       | /                    | 17.56   | /       | 18.00   |



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|           |                   |         |           |         |         |         |         |
|-----------|-------------------|---------|-----------|---------|---------|---------|---------|
|           |                   | 270     | 0         | /       | 17.39   | /       | 18.00   |
|           | DFT-s-OFDM QPSK   | 1       | 1         | /       | 17.82   | /       | 18.50   |
|           |                   | 1       | 137       | /       | 17.73   | /       | 18.50   |
|           |                   | 1       | 271       | /       | 18.03   | /       | 18.50   |
|           |                   | 135     | 0         | /       | 16.77   | /       | 17.50   |
|           |                   | 135     | 69        | /       | 17.75   | /       | 18.50   |
|           |                   | 135     | 138       | /       | 17.08   | /       | 17.50   |
|           |                   | 270     | 0         | /       | 16.99   | /       | 17.50   |
|           | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 16.76   | /       | 17.50   |
|           | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 15.54   | /       | 16.00   |
|           | DFT-s-OFDM 256QAM | 1       | 1         | /       | 13.54   | /       | 14.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | /       | 633334  | /       |         |
| 100MHz    | CP-OFDM QPSK      | 1       | 1         | /       | 16.43   | /       | 17.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 633000  | 633334  | 633668  |         |
| 90MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 18.23   | 18.28   | 17.96   | 18.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 632668  | 633334  | 634000  |         |
| 80MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.86   | 18.12   | 17.96   | 18.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 632334  | 633334  | 634334  |         |
| 70MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 18.07   | 18.36   | 18.28   | 18.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 632000  | 633334  | 634668  |         |
| 60MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 18.12   | 17.99   | 17.71   | 18.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 631668  | 633334  | 635000  |         |
| 50MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.89   | 18.34   | 18.21   | 18.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 18.28   | 18.16   | 18.00   | 18.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 631001  | 633334  | 635667  |         |



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|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.17   | 18.40   | 18.09   | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630834  | 633334  | 635833  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.12   | 18.36   | 18.25   | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630668  | 633334  | 636000  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.77   | 18.12   | 17.91   | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630501  | 633334  | 636167  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.94   | 18.08   | 18.16   | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630334  | 633334  | 636334  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.12   | 17.98   | 18.24   | 18.50   |

| N78 ECI 4            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3700~3800) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
|                      |                      |         |           | /                    | 3750.00 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 21.29   | /       | 22.00   |
|                      |                      | 1       | 137       | /                    | 20.86   | /       | 22.00   |
|                      |                      | 1       | 271       | /                    | 20.90   | /       | 22.00   |
|                      |                      | 135     | 0         | /                    | 20.67   | /       | 21.50   |
|                      |                      | 135     | 69        | /                    | 21.10   | /       | 22.00   |
|                      |                      | 135     | 138       | /                    | 20.35   | /       | 21.50   |
|                      |                      | 270     | 0         | /                    | 20.65   | /       | 21.50   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 21.16   | /       | 22.00   |
|                      |                      | 1       | 137       | /                    | 20.85   | /       | 22.00   |
|                      |                      | 1       | 271       | /                    | 20.91   | /       | 22.00   |
|                      |                      | 135     | 0         | /                    | 20.19   | /       | 21.00   |
|                      |                      | 135     | 69        | /                    | 20.96   | /       | 22.00   |
|                      |                      | 135     | 138       | /                    | 19.94   | /       | 21.00   |
|                      |                      | 270     | 0         | /                    | 20.04   | /       | 21.00   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 20.00   | /       | 21.00   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 18.52   | /       | 19.50   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 17.12   | /       | 17.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |



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|           |                        |         |           |                   |                   |                   |         |
|-----------|------------------------|---------|-----------|-------------------|-------------------|-------------------|---------|
| 100MHz    | CP-OFDM<br>QPSK        | 1       | 1         | /                 | 19.76             | /                 | 20.50   |
| Bandwidth | Modulation             | RB size | RB offset | Channel<br>649668 | Channel<br>650000 | Channel<br>650334 | Tune up |
| 90MHz     | DFT-s-<br>OFDM<br>QPSK | 1       | 1         | 21.28             | 21.24             | 21.15             | 22.00   |
| Bandwidth | Modulation             | RB size | RB offset | Channel<br>649334 | Channel<br>650000 | Channel<br>650668 | Tune up |
| 80MHz     | DFT-s-<br>OFDM<br>QPSK | 1       | 1         | 21.29             | 21.23             | 21.13             | 22.00   |
| Bandwidth | Modulation             | RB size | RB offset | Channel<br>649000 | Channel<br>650000 | Channel<br>651000 | Tune up |
| 70MHz     | DFT-s-<br>OFDM<br>QPSK | 1       | 1         | 21.38             | 21.33             | 21.20             | 22.00   |
| Bandwidth | Modulation             | RB size | RB offset | Channel<br>648668 | Channel<br>650000 | Channel<br>651334 | Tune up |
| 60MHz     | DFT-s-<br>OFDM<br>QPSK | 1       | 1         | 21.33             | 21.32             | 21.06             | 22.00   |
| Bandwidth | Modulation             | RB size | RB offset | Channel<br>648334 | Channel<br>650000 | Channel<br>651668 | Tune up |
| 50MHz     | DFT-s-<br>OFDM<br>QPSK | 1       | 1         | 21.33             | 21.24             | 21.19             | 22.00   |
| Bandwidth | Modulation             | RB size | RB offset | Channel<br>648000 | Channel<br>650000 | Channel<br>652000 | Tune up |
| 40MHz     | DFT-s-<br>OFDM<br>QPSK | 1       | 1         | 21.24             | 21.32             | 21.07             | 22.00   |
| Bandwidth | Modulation             | RB size | RB offset | Channel<br>647668 | Channel<br>650000 | Channel<br>652334 | Tune up |
| 30MHz     | DFT-s-<br>OFDM<br>QPSK | 1       | 1         | 21.31             | 21.28             | 21.22             | 22.00   |
| Bandwidth | Modulation             | RB size | RB offset | Channel<br>647501 | Channel<br>650000 | Channel<br>652501 | Tune up |
| 25MHz     | DFT-s-<br>OFDM<br>QPSK | 1       | 1         | 21.24             | 21.15             | 21.20             | 22.00   |
| Bandwidth | Modulation             | RB size | RB offset | Channel<br>647334 | Channel<br>650000 | Channel<br>652668 | Tune up |
| 20MHz     | DFT-s-<br>OFDM<br>QPSK | 1       | 1         | 21.36             | 21.22             | 21.25             | 22.00   |
| Bandwidth | Modulation             | RB size | RB offset | Channel<br>647167 | Channel<br>650000 | Channel<br>652835 | Tune up |
| 15MHz     | DFT-s-<br>OFDM<br>QPSK | 1       | 1         | 21.32             | 21.18             | 21.10             | 22.00   |
| Bandwidth | Modulation             | RB size | RB offset | Channel<br>647000 | Channel<br>650000 | Channel<br>653002 | Tune up |



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|-------|-----------------|---|---|-------|-------|-------|-------|
| 10MHz | DFT-s-OFDM QPSK | 1 | 1 | 21.23 | 21.29 | 21.14 | 22.00 |
|-------|-----------------|---|---|-------|-------|-------|-------|

| N78 ECI 2            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3700~3800) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
|                      |                      |         |           | /                    | 3750.00 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 12.85   | /       | 13.50   |
|                      |                      | 1       | 137       | /                    | 12.42   | /       | 13.50   |
|                      |                      | 1       | 271       | /                    | 12.54   | /       | 13.50   |
|                      |                      | 135     | 0         | /                    | 12.25   | /       | 13.00   |
|                      |                      | 135     | 69        | /                    | 12.74   | /       | 13.50   |
|                      |                      | 135     | 138       | /                    | 11.95   | /       | 13.00   |
|                      |                      | 270     | 0         | /                    | 12.26   | /       | 13.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 12.80   | /       | 13.50   |
|                      |                      | 1       | 137       | /                    | 12.46   | /       | 13.50   |
|                      |                      | 1       | 271       | /                    | 12.50   | /       | 13.50   |
|                      |                      | 135     | 0         | /                    | 11.75   | /       | 12.50   |
|                      |                      | 135     | 69        | /                    | 12.59   | /       | 13.50   |
|                      |                      | 135     | 138       | /                    | 11.56   | /       | 12.50   |
|                      |                      | 270     | 0         | /                    | 11.69   | /       | 12.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 11.57   | /       | 12.50   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 10.16   | /       | 11.00   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 8.73    | /       | 9.00    |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 11.38   | /       | 12.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649668               | 650000  | 650334  |         |
| 90MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 12.92                | 12.84   | 12.71   | 13.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649334               | 650000  | 650668  |         |
| 80MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 12.91                | 12.87   | 12.72   | 13.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649000               | 650000  | 651000  |         |
| 70MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 12.94                | 12.97   | 12.80   | 13.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 648668               | 650000  | 651334  |         |
| 60MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 12.89                | 12.97   | 12.65   | 13.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |



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|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
|           |                 |         |           | 648334  | 650000  | 651668  |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.91   | 12.81   | 12.79   | 13.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 648000  | 650000  | 652000  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.87   | 12.87   | 12.66   | 13.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647668  | 650000  | 652334  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.87   | 12.85   | 12.83   | 13.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647501  | 650000  | 652501  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.86   | 12.74   | 12.79   | 13.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647334  | 650000  | 652668  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.95   | 12.79   | 12.80   | 13.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647167  | 650000  | 652835  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.87   | 12.78   | 12.74   | 13.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647000  | 650000  | 653002  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.81   | 12.84   | 12.72   | 13.50   |

| N78 ECI 3            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3700~3800) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
|                      |                      |         |           | /                    | 3750.00 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 13.42   | /       | 14.00   |
|                      |                      | 1       | 137       | /                    | 12.98   | /       | 14.00   |
|                      |                      | 1       | 271       | /                    | 12.97   | /       | 14.00   |
|                      |                      | 135     | 0         | /                    | 12.81   | /       | 13.50   |
|                      |                      | 135     | 69        | /                    | 13.16   | /       | 14.00   |
|                      |                      | 135     | 138       | /                    | 12.45   | /       | 13.50   |
|                      |                      | 270     | 0         | /                    | 12.79   | /       | 13.50   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 13.28   | /       | 14.00   |
|                      |                      | 1       | 137       | /                    | 13.00   | /       | 14.00   |
|                      |                      | 1       | 271       | /                    | 13.01   | /       | 14.00   |
|                      |                      | 135     | 0         | /                    | 12.30   | /       | 13.00   |
|                      |                      | 135     | 69        | /                    | 13.07   | /       | 14.00   |
|                      |                      | 135     | 138       | /                    | 12.01   | /       | 13.00   |
|                      |                      | 270     | 0         | /                    | 12.18   | /       | 13.00   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 12.12   | /       | 13.00   |



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|-----------|-------------------|---------|-----------|---------|---------|---------|---------|
|           | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 10.63   | /       | 11.50   |
|           | DFT-s-OFDM 256QAM | 1       | 1         | /       | 9.26    | /       | 9.50    |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | /       | 650000  | /       |         |
| 100MHz    | CP-OFDM QPSK      | 1       | 1         | /       | 11.91   | /       | 12.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 649668  | 650000  | 650334  |         |
| 90MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 13.38   | 13.36   | 13.24   | 14.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 649334  | 650000  | 650668  |         |
| 80MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 13.40   | 13.36   | 13.22   | 14.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 649000  | 650000  | 651000  |         |
| 70MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 13.45   | 13.44   | 13.28   | 14.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 648668  | 650000  | 651334  |         |
| 60MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 13.41   | 13.40   | 13.13   | 14.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 648334  | 650000  | 651668  |         |
| 50MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 13.41   | 13.39   | 13.27   | 14.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 648000  | 650000  | 652000  |         |
| 40MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 13.29   | 13.37   | 13.19   | 14.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 647668  | 650000  | 652334  |         |
| 30MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 13.45   | 13.41   | 13.27   | 14.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 647501  | 650000  | 652501  |         |
| 25MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 13.31   | 13.23   | 13.27   | 14.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 647334  | 650000  | 652668  |         |
| 20MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 13.47   | 13.31   | 13.32   | 14.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |



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|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
|           |                 |         |           | 647167  | 650000  | 652835  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.47   | 13.27   | 13.25   | 14.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647000  | 650000  | 653002  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 13.29   | 13.44   | 13.26   | 14.00   |

| N78 ECI 7            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3700~3800) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
|                      |                      |         |           | /                    | 3750.00 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 11.86   | /       | 12.50   |
|                      |                      | 1       | 137       | /                    | 11.46   | /       | 12.50   |
|                      |                      | 1       | 271       | /                    | 11.46   | /       | 12.50   |
|                      |                      | 135     | 0         | /                    | 11.22   | /       | 12.00   |
|                      |                      | 135     | 69        | /                    | 11.66   | /       | 12.50   |
|                      |                      | 135     | 138       | /                    | 10.92   | /       | 12.00   |
|                      |                      | 270     | 0         | /                    | 11.29   | /       | 12.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 11.71   | /       | 12.50   |
|                      |                      | 1       | 137       | /                    | 11.50   | /       | 12.50   |
|                      |                      | 1       | 271       | /                    | 11.53   | /       | 12.50   |
|                      |                      | 135     | 0         | /                    | 10.83   | /       | 11.50   |
|                      |                      | 135     | 69        | /                    | 11.61   | /       | 12.50   |
|                      |                      | 135     | 138       | /                    | 10.56   | /       | 11.50   |
|                      |                      | 270     | 0         | /                    | 10.69   | /       | 11.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 10.56   | /       | 11.50   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 9.09    | /       | 10.00   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 7.77    | /       | 8.00    |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 10.40   | /       | 11.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649668               | 650000  | 650334  |         |
| 90MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 11.84                | 11.85   | 11.70   | 12.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649334               | 650000  | 650668  |         |
| 80MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 11.84                | 11.86   | 11.69   | 12.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |



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|              |                 |         |           |         |         |         |         |
|--------------|-----------------|---------|-----------|---------|---------|---------|---------|
|              |                 |         |           | 649000  | 650000  | 651000  |         |
| <b>70MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 12.01   | 11.96   | 11.79   | 12.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 648668  | 650000  | 651334  |         |
| <b>60MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 11.89   | 11.91   | 11.66   | 12.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 648334  | 650000  | 651668  |         |
| <b>50MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 11.96   | 11.83   | 11.76   | 12.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 648000  | 650000  | 652000  |         |
| <b>40MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 11.86   | 11.92   | 11.69   | 12.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 647668  | 650000  | 652334  |         |
| <b>30MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 11.91   | 11.91   | 11.86   | 12.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 647501  | 650000  | 652501  |         |
| <b>25MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 11.79   | 11.78   | 11.85   | 12.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 647334  | 650000  | 652668  |         |
| <b>20MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 11.93   | 11.81   | 11.83   | 12.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 647167  | 650000  | 652835  |         |
| <b>15MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 11.94   | 11.83   | 11.66   | 12.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 647000  | 650000  | 653002  |         |
| <b>10MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 11.84   | 11.84   | 11.78   | 12.50   |

| N78 ECI 6            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3700~3800) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
|                      |                      |         |           | /                    | 3750.00 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 18.02   | /       | 18.50   |
|                      |                      | 1       | 137       | /                    | 17.61   | /       | 18.50   |
|                      |                      | 1       | 271       | /                    | 17.36   | /       | 18.50   |
|                      |                      | 135     | 0         | /                    | 17.10   | /       | 18.00   |



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|           |                   |         |           |         |         |         |         |
|-----------|-------------------|---------|-----------|---------|---------|---------|---------|
|           |                   | 135     | 69        | /       | 17.73   | /       | 18.50   |
|           |                   | 135     | 138       | /       | 16.74   | /       | 18.00   |
|           |                   | 270     | 0         | /       | 17.34   | /       | 18.00   |
|           | DFT-s-OFDM QPSK   | 1       | 1         | /       | 17.59   | /       | 18.50   |
|           |                   | 1       | 137       | /       | 17.43   | /       | 18.50   |
|           |                   | 1       | 271       | /       | 17.48   | /       | 18.50   |
|           |                   | 135     | 0         | /       | 16.91   | /       | 17.50   |
|           |                   | 135     | 69        | /       | 17.46   | /       | 18.50   |
|           |                   | 135     | 138       | /       | 16.67   | /       | 17.50   |
|           |                   | 270     | 0         | /       | 16.75   | /       | 17.50   |
|           | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 16.74   | /       | 17.50   |
|           | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 15.18   | /       | 16.00   |
|           | DFT-s-OFDM 256QAM | 1       | 1         | /       | 13.74   | /       | 14.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | /       | 650000  | /       |         |
| 100MHz    | CP-OFDM QPSK      | 1       | 1         | /       | 16.47   | /       | 17.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 649668  | 650000  | 650334  |         |
| 90MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.86   | 17.88   | 17.82   | 18.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 649334  | 650000  | 650668  |         |
| 80MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.82   | 17.89   | 17.88   | 18.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 649000  | 650000  | 651000  |         |
| 70MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.98   | 17.93   | 17.87   | 18.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 648668  | 650000  | 651334  |         |
| 60MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 18.07   | 17.84   | 17.69   | 18.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 648334  | 650000  | 651668  |         |
| 50MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.96   | 17.67   | 17.68   | 18.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 648000  | 650000  | 652000  |         |
| 40MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.74   | 18.07   | 17.85   | 18.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 647668  | 650000  | 652334  |         |



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|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.71   | 17.84   | 17.81   | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647501  | 650000  | 652501  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.79   | 17.76   | 17.70   | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647334  | 650000  | 652668  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.00   | 17.82   | 17.89   | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647167  | 650000  | 652835  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.10   | 17.71   | 17.49   | 18.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647000  | 650000  | 653002  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.89   | 17.79   | 17.91   | 18.50   |



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## 11.5 Conducted Power of NR Antenna (Ant7)

| N77 ECI 4            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 22.87   | /       | 23.50   |
|                      |                      | 1       | 137       | /                    | 22.44   | /       | 23.50   |
|                      |                      | 1       | 271       | /                    | 22.61   | /       | 23.50   |
|                      |                      | 135     | 0         | /                    | 22.08   | /       | 23.00   |
|                      |                      | 135     | 69        | /                    | 22.53   | /       | 23.50   |
|                      |                      | 135     | 138       | /                    | 22.03   | /       | 23.00   |
|                      |                      | 270     | 0         | /                    | 22.09   | /       | 23.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 22.84   | /       | 23.50   |
|                      |                      | 1       | 137       | /                    | 22.39   | /       | 23.50   |
|                      |                      | 1       | 271       | /                    | 22.55   | /       | 23.50   |
|                      |                      | 135     | 0         | /                    | 21.66   | /       | 22.50   |
|                      |                      | 135     | 69        | /                    | 22.47   | /       | 23.50   |
|                      |                      | 135     | 138       | /                    | 21.54   | /       | 22.50   |
|                      |                      | 270     | 0         | /                    | 21.56   | /       | 22.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 21.67   | /       | 22.50   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 20.31   | /       | 21.00   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 18.67   | /       | 19.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 21.48   | /       | 22.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 631334               | 633334  | 635334  |         |
| 40MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 22.80                | 22.94   | 22.92   | 23.50   |

| N77 ECI 2            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 14.49   | /       | 15.00   |
|                      |                      | 1       | 137       | /                    | 14.09   | /       | 15.00   |
|                      |                      | 1       | 271       | /                    | 14.18   | /       | 15.00   |
|                      |                      | 135     | 0         | /                    | 13.65   | /       | 14.50   |
|                      |                      | 135     | 69        | /                    | 14.18   | /       | 15.00   |
|                      |                      | 135     | 138       | /                    | 13.58   | /       | 14.50   |
|                      |                      | 270     | 0         | /                    | 13.68   | /       | 14.50   |
|                      |                      |         | 1         | 1                    | /       | 14.47   | /       |



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|           | DFT-s-OFDM QPSK   | 1       | 137       | /       | 13.99   | /       | 15.00   |
|           |                   | 1       | 271       | /       | 14.17   | /       | 15.00   |
|           |                   | 135     | 0         | /       | 13.24   | /       | 14.00   |
|           |                   | 135     | 69        | /       | 14.03   | /       | 15.00   |
|           |                   | 135     | 138       | /       | 13.17   | /       | 14.00   |
|           |                   | 270     | 0         | /       | 13.14   | /       | 14.00   |
|           | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 13.25   | /       | 14.00   |
|           | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 11.92   | /       | 12.50   |
|           | DFT-s-OFDM 256QAM | 1       | 1         | /       | 10.26   | /       | 10.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | /       | 633334  | /       |         |
| 100MHz    | CP-OFDM QPSK      | 1       | 1         | /       | 13.05   | /       | 13.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 14.37   | 14.58   | 14.57   | 15.00   |

| N77 ECI 3            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 16.00   | /       | 16.50   |
|                      |                      | 1       | 137       | /                    | 15.49   | /       | 16.50   |
|                      |                      | 1       | 271       | /                    | 15.72   | /       | 16.50   |
|                      |                      | 135     | 0         | /                    | 15.16   | /       | 16.00   |
|                      |                      | 135     | 69        | /                    | 15.66   | /       | 16.50   |
|                      |                      | 135     | 138       | /                    | 15.08   | /       | 16.00   |
|                      |                      | 270     | 0         | /                    | 15.20   | /       | 16.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 15.98   | /       | 16.50   |
|                      |                      | 1       | 137       | /                    | 15.54   | /       | 16.50   |
|                      |                      | 1       | 271       | /                    | 15.67   | /       | 16.50   |
|                      |                      | 135     | 0         | /                    | 14.81   | /       | 15.50   |
|                      |                      | 135     | 69        | /                    | 15.56   | /       | 16.50   |
|                      |                      | 135     | 138       | /                    | 14.67   | /       | 15.50   |
|                      |                      | 270     | 0         | /                    | 14.65   | /       | 15.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 14.73   | /       | 15.50   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 13.44   | /       | 14.00   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 11.74   | /       | 12.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 14.62   | /       | 15.00   |



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| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
|           |                 |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.86   | 16.05   | 15.98   | 16.50   |

| N77 ECI 7            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 12.01   | /       | 12.50   |
|                      |                      | 1       | 137       | /                    | 11.50   | /       | 12.50   |
|                      |                      | 1       | 271       | /                    | 11.76   | /       | 12.50   |
|                      |                      | 135     | 0         | /                    | 11.19   | /       | 12.00   |
|                      |                      | 135     | 69        | /                    | 11.62   | /       | 12.50   |
|                      |                      | 135     | 138       | /                    | 11.13   | /       | 12.00   |
|                      |                      | 270     | 0         | /                    | 11.20   | /       | 12.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 11.89   | /       | 12.50   |
|                      |                      | 1       | 137       | /                    | 11.52   | /       | 12.50   |
|                      |                      | 1       | 271       | /                    | 11.64   | /       | 12.50   |
|                      |                      | 135     | 0         | /                    | 10.80   | /       | 11.50   |
|                      |                      | 135     | 69        | /                    | 11.53   | /       | 12.50   |
|                      |                      | 135     | 138       | /                    | 10.66   | /       | 11.50   |
|                      |                      | 270     | 0         | /                    | 10.63   | /       | 11.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 10.79   | /       | 11.50   |
| DFT-s-OFDM 64QAM     | 1                    | 1       | /         | 9.41                 | /       | 10.00   |         |
| DFT-s-OFDM 256QAM    | 1                    | 1       | /         | 7.75                 | /       | 8.00    |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 10.61   | /       | 11.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 631334               | 633334  | 635334  |         |
| 40MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 11.88                | 12.00   | 12.03   | 12.50   |

| N77 ECI 6            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 17.46   | /       | 18.00   |
|                      |                      | 1       | 137       | /                    | 16.96   | /       | 18.00   |
|                      |                      | 1       | 271       | /                    | 17.17   | /       | 18.00   |
|                      |                      | 135     | 0         | /                    | 16.89   | /       | 17.50   |
|                      |                      | 135     | 69        | /                    | 17.15   | /       | 18.00   |



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|           |                   |         |           |         |         |         |         |
|-----------|-------------------|---------|-----------|---------|---------|---------|---------|
|           | DFT-s-OFDM QPSK   | 135     | 138       | /       | 16.43   | /       | 17.50   |
|           |                   | 270     | 0         | /       | 16.58   | /       | 17.50   |
|           |                   | 1       | 1         | /       | 17.33   | /       | 18.00   |
|           |                   | 1       | 137       | /       | 17.07   | /       | 18.00   |
|           |                   | 1       | 271       | /       | 16.95   | /       | 18.00   |
|           |                   | 135     | 0         | /       | 16.40   | /       | 17.00   |
|           |                   | 135     | 69        | /       | 17.06   | /       | 18.00   |
|           |                   | 135     | 138       | /       | 15.99   | /       | 17.00   |
|           |                   | 270     | 0         | /       | 16.25   | /       | 17.00   |
|           | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 16.43   | /       | 17.00   |
|           | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 15.00   | /       | 15.50   |
|           | DFT-s-OFDM 256QAM | 1       | 1         | /       | 13.26   | /       | 13.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | /       | 633334  | /       |         |
| 100MHz    | CP-OFDM QPSK      | 1       | 1         | /       | 16.13   | /       | 16.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.49   | 17.32   | 17.58   | 18.00   |

| N77 ECI 4            |                         |         |           |         | Conducted Power(dBm) |         |         |         |         |         |
|----------------------|-------------------------|---------|-----------|---------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz(3700~3980) |                         |         |           |         |                      |         |         |         |         |         |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 650000  | 652400               | 654800  | 657200  | 659600  | 662000  |         |
|                      |                         |         |           | 3750.00 | 3786.00              | 3822.00 | 3858.00 | 3894.00 | 3930.00 |         |
| 100MHz               | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 22.64   | 22.47                | 22.19   | 21.94   | 21.87   | 22.09   | 23.50   |
|                      |                         | 1       | 137       | 22.31   | 22.02                | 21.92   | 21.85   | 22.02   | 22.18   | 23.50   |
|                      |                         | 1       | 271       | 21.96   | 22.02                | 22.22   | 22.18   | 22.29   | 22.37   | 23.50   |
|                      |                         | 135     | 0         | 21.98   | 21.70                | 21.43   | 21.37   | 21.61   | 21.70   | 23.00   |
|                      |                         | 135     | 69        | 22.26   | 22.00                | 21.80   | 22.06   | 22.23   | 22.25   | 23.50   |
|                      |                         | 135     | 138       | 21.63   | 21.48                | 21.40   | 21.59   | 21.82   | 21.84   | 23.00   |
|                      |                         | 270     | 0         | 21.89   | 21.48                | 21.51   | 21.43   | 21.61   | 21.82   | 23.00   |
|                      | DFT-s-OFDM<br>QPSK      | 1       | 1         | 22.66   | 22.41                | 22.14   | 21.86   | 21.93   | 22.14   | 23.50   |
|                      |                         | 1       | 137       | 22.24   | 21.94                | 21.87   | 21.94   | 22.12   | 22.23   | 23.50   |
|                      |                         | 1       | 271       | 22.06   | 22.00                | 22.21   | 22.26   | 22.24   | 22.35   | 23.50   |
|                      |                         | 135     | 0         | 21.56   | 21.27                | 21.02   | 20.96   | 21.14   | 21.26   | 22.50   |
|                      |                         | 135     | 69        | 22.30   | 22.11                | 21.92   | 22.03   | 22.25   | 22.30   | 23.50   |
|                      |                         | 135     | 138       | 21.13   | 20.92                | 20.99   | 21.16   | 21.26   | 21.38   | 22.50   |
|                      |                         | 270     | 0         | 21.34   | 21.08                | 20.97   | 20.98   | 21.14   | 21.31   | 22.50   |
|                      | DFT-s-OFDM<br>16QAM     | 1       | 1         | 21.34   | 21.03                | 20.82   | 20.64   | 20.78   | 20.77   | 22.50   |
|                      | DFT-s-OFDM<br>64QAM     | 1       | 1         | 19.93   | 19.62                | 19.42   | 19.25   | 19.39   | 19.39   | 21.00   |



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|                  |                        |                |                  |                |                |                |                |                |                |                |
|------------------|------------------------|----------------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                  | DFT-s-OFDM<br>256QAM   | 1              | 1                | 18.46          | 18.18          | 17.99          | 17.80          | 17.91          | 17.94          | 19.00          |
| <b>Bandwidth</b> | <b>Modulation</b>      | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                        |                |                  | 650000         | 652400         | 654800         | 657200         | 659600         | 662000         |                |
| <b>100MHz</b>    | <b>CP-OFDM QPSK</b>    | <b>1</b>       | <b>1</b>         | <b>21.07</b>   | <b>20.77</b>   | <b>20.54</b>   | <b>20.38</b>   | <b>20.50</b>   | <b>20.52</b>   | <b>22.00</b>   |
| <b>Bandwidth</b> | <b>Modulation</b>      | <b>RB size</b> | <b>RB offset</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Channel</b> | <b>Tune up</b> |
|                  |                        |                |                  | 648000         | 651200         | 654400         | 657600         | 660800         | 664000         |                |
| <b>40MHz</b>     | <b>DFT-s-OFDM QPSK</b> | <b>1</b>       | <b>1</b>         | <b>22.76</b>   | <b>22.36</b>   | <b>22.11</b>   | <b>21.82</b>   | <b>22.01</b>   | <b>22.08</b>   | <b>23.50</b>   |

| N77 ECI 2            |                         |         |           |         | Conducted Power(dBm) |         |         |         |         |         |
|----------------------|-------------------------|---------|-----------|---------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz(3700~3980) |                         |         |           |         |                      |         |         |         |         |         |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 650000  | 652400               | 654800  | 657200  | 659600  | 662000  |         |
|                      |                         |         |           | 3750.00 | 3786.00              | 3822.00 | 3858.00 | 3894.00 | 3930.00 |         |
| 100MHz               | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 14.28   | 14.09                | 13.80   | 13.56   | 13.45   | 13.66   | 15.00   |
|                      |                         | 1       | 137       | 13.87   | 13.57                | 13.48   | 13.50   | 13.65   | 13.81   | 15.00   |
|                      |                         | 1       | 271       | 13.58   | 13.59                | 13.80   | 13.73   | 13.94   | 14.02   | 15.00   |
|                      |                         | 135     | 0         | 13.53   | 13.33                | 13.01   | 12.94   | 13.18   | 13.29   | 14.50   |
|                      |                         | 135     | 69        | 13.90   | 13.65                | 13.42   | 13.61   | 13.88   | 13.83   | 15.00   |
|                      |                         | 135     | 138       | 13.25   | 13.04                | 12.98   | 13.17   | 13.39   | 13.42   | 14.50   |
|                      |                         | 270     | 0         | 13.54   | 13.11                | 13.09   | 13.08   | 13.23   | 13.40   | 14.50   |
|                      | DFT-s-OFDM<br>QPSK      | 1       | 1         | 14.28   | 13.96                | 13.78   | 13.47   | 13.49   | 13.70   | 15.00   |
|                      |                         | 1       | 137       | 13.86   | 13.57                | 13.43   | 13.53   | 13.67   | 13.87   | 15.00   |
|                      |                         | 1       | 271       | 13.61   | 13.59                | 13.80   | 13.84   | 13.82   | 13.95   | 15.00   |
|                      |                         | 135     | 0         | 13.15   | 12.83                | 12.63   | 12.55   | 12.71   | 12.88   | 14.00   |
|                      |                         | 135     | 69        | 13.87   | 13.59                | 13.53   | 13.61   | 13.89   | 13.88   | 15.00   |
|                      |                         | 135     | 138       | 12.74   | 12.52                | 12.55   | 12.78   | 12.84   | 12.94   | 14.00   |
|                      |                         | 270     | 0         | 12.92   | 12.71                | 12.53   | 12.54   | 12.72   | 12.92   | 14.00   |
|                      | DFT-s-OFDM<br>16QAM     | 1       | 1         | 12.90   | 12.66                | 12.37   | 12.27   | 12.36   | 12.39   | 14.00   |
|                      | DFT-s-OFDM<br>64QAM     | 1       | 1         | 11.50   | 11.27                | 11.01   | 10.82   | 10.96   | 10.98   | 12.50   |
|                      | DFT-s-OFDM<br>256QAM    | 1       | 1         | 10.09   | 9.74                 | 9.62    | 9.44    | 9.48    | 9.53    | 10.50   |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 650000  | 652400               | 654800  | 657200  | 659600  | 662000  |         |
| 100MHz               | CP-OFDM<br>QPSK         | 1       | 1         | 12.63   | 12.41                | 12.09   | 12.02   | 12.10   | 12.08   | 13.50   |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 648000  | 651200               | 654400  | 657600  | 660800  | 664000  |         |
| 40MHz                | DFT-s-OFDM<br>QPSK      | 1       | 1         | 14.37   | 13.99                | 13.73   | 13.40   | 13.58   | 13.73   | 15.00   |



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| N77 ECI 3            |                      |         |           |         | Conducted Power(dBm) |         |         |         |         |
|----------------------|----------------------|---------|-----------|---------|----------------------|---------|---------|---------|---------|
| SCS 30kHz(3700~3980) |                      |         |           |         |                      |         |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel |
|                      |                      |         |           | 650000  | 652400               | 654800  | 657200  | 659600  | 662000  |
|                      |                      |         |           | 3750.00 | 3786.00              | 3822.00 | 3858.00 | 3894.00 | 3930.00 |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | 15.79   | 15.60                | 15.32   | 15.07   | 15.01   | 15.22   |
|                      |                      | 1       | 137       | 15.44   | 15.09                | 15.05   | 14.91   | 15.16   | 15.24   |
|                      |                      | 1       | 271       | 15.08   | 15.11                | 15.35   | 15.32   | 15.35   | 15.42   |
|                      |                      | 135     | 0         | 15.10   | 14.84                | 14.57   | 14.52   | 14.67   | 14.85   |
|                      |                      | 135     | 69        | 15.37   | 15.07                | 14.88   | 15.15   | 15.38   | 15.35   |
|                      |                      | 135     | 138       | 14.69   | 14.57                | 14.52   | 14.74   | 14.97   | 14.99   |
|                      |                      | 270     | 0         | 14.99   | 14.60                | 14.59   | 14.49   | 14.69   | 14.93   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | 15.71   | 15.48                | 15.19   | 14.92   | 15.04   | 15.20   |
|                      |                      | 1       | 137       | 15.32   | 15.02                | 14.99   | 14.99   | 15.21   | 15.35   |
|                      |                      | 1       | 271       | 15.18   | 15.13                | 15.28   | 15.30   | 15.39   | 15.47   |
|                      |                      | 135     | 0         | 14.68   | 14.36                | 14.15   | 14.09   | 14.24   | 14.36   |
|                      |                      | 135     | 69        | 15.38   | 15.14                | 14.95   | 15.16   | 15.32   | 15.36   |
|                      |                      | 135     | 138       | 14.24   | 14.06                | 14.14   | 14.25   | 14.33   | 14.47   |
|                      |                      | 270     | 0         | 14.45   | 14.13                | 14.02   | 14.10   | 14.24   | 14.38   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | 14.40   | 14.13                | 13.91   | 13.72   | 13.84   | 13.91   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | 13.05   | 12.69                | 12.55   | 12.33   | 12.51   | 12.53   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | 11.55   | 11.31                | 11.13   | 10.95   | 10.96   | 11.07   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel |
|                      |                      |         |           | 650000  | 652400               | 654800  | 657200  | 659600  | 662000  |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | 14.18   | 13.88                | 13.59   | 13.52   | 13.61   | 13.59   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel |
|                      |                      |         |           | 648000  | 651200               | 654400  | 657600  | 660800  | 664000  |
| 40MHz                | DFT-s-OFDM OPSK      | 1       | 1         | 15.89   | 15.41                | 15.17   | 14.92   | 15.09   | 15.21   |

| N77 ECI 7            |                         |         |           |         | Conducted Power(dBm) |         |         |         |         |         |
|----------------------|-------------------------|---------|-----------|---------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz(3700~3980) |                         |         |           |         |                      |         |         |         |         |         |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 650000  | 652400               | 654800  | 657200  | 659600  | 662000  |         |
|                      |                         |         |           | 3750.00 | 3786.00              | 3822.00 | 3858.00 | 3894.00 | 3930.00 |         |
| 100MHz               | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 11.70   | 11.56                | 11.32   | 11.04   | 10.98   | 11.24   | 12.50   |
|                      |                         | 1       | 137       | 11.41   | 11.08                | 11.03   | 10.92   | 11.10   | 11.30   | 12.50   |
|                      |                         | 1       | 271       | 11.11   | 11.08                | 11.36   | 11.31   | 11.36   | 11.50   | 12.50   |
|                      |                         | 135     | 0         | 11.09   | 10.77                | 10.52   | 10.46   | 10.74   | 10.85   | 12.00   |
|                      |                         | 135     | 69        | 11.32   | 11.06                | 10.94   | 11.11   | 11.28   | 11.33   | 12.50   |
|                      |                         | 135     | 138       | 10.73   | 10.53                | 10.45   | 10.72   | 10.96   | 10.96   | 12.00   |
|                      |                         | 270     | 0         | 10.95   | 10.57                | 10.64   | 10.54   | 10.76   | 10.87   | 12.00   |
|                      |                         | 1       | 1         | 11.73   | 11.52                | 11.23   | 10.98   | 11.06   | 11.24   | 12.50   |



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|           |                   |         |           |                |                |                |                |                |                |         |
|-----------|-------------------|---------|-----------|----------------|----------------|----------------|----------------|----------------|----------------|---------|
|           | DFT-s-OFDM QPSK   | 1       | 137       | 11.39          | 11.09          | 10.94          | 10.99          | 11.22          | 11.38          | 12.50   |
|           |                   | 1       | 271       | 11.12          | 11.05          | 11.35          | 11.32          | 11.37          | 11.46          | 12.50   |
|           |                   | 135     | 0         | 10.70          | 10.37          | 10.08          | 10.09          | 10.21          | 10.41          | 11.50   |
|           |                   | 135     | 69        | 11.38          | 11.10          | 10.93          | 11.18          | 11.35          | 11.43          | 12.50   |
|           |                   | 135     | 138       | 10.21          | 10.03          | 10.09          | 10.27          | 10.36          | 10.52          | 11.50   |
|           |                   | 270     | 0         | 10.43          | 10.19          | 10.02          | 10.10          | 10.19          | 10.37          | 11.50   |
|           | DFT-s-OFDM 16QAM  | 1       | 1         | 10.48          | 10.17          | 9.97           | 9.77           | 9.93           | 9.84           | 11.50   |
|           | DFT-s-OFDM 64QAM  | 1       | 1         | 8.98           | 8.75           | 8.50           | 8.34           | 8.49           | 8.47           | 10.00   |
|           | DFT-s-OFDM 256QAM | 1       | 1         | 7.58           | 7.29           | 7.07           | 6.95           | 7.02           | 7.06           | 8.00    |
| Bandwidth | Modulation        | RB size | RB offset | Channel 650000 | Channel 652400 | Channel 654800 | Channel 657200 | Channel 659600 | Channel 662000 | Tune up |
| 100MHz    | CP-OFDM QPSK      | 1       | 1         | 10.20          | 9.86           | 9.69           | 9.53           | 9.56           | 9.62           | 11.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel 648000 | Channel 651200 | Channel 654400 | Channel 657600 | Channel 660800 | Channel 664000 | Tune up |
| 40MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 11.85          | 11.41          | 11.26          | 10.87          | 11.08          | 11.20          | 12.50   |

| N77 ECI 6            |                         |         |           |         | Conducted Power(dBm) |         |         |         |         |         |
|----------------------|-------------------------|---------|-----------|---------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz(3700~3980) |                         |         |           |         |                      |         |         |         |         |         |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 650000  | 652400               | 654800  | 657200  | 659600  | 662000  |         |
|                      |                         |         |           | 3750.00 | 3786.00              | 3822.00 | 3858.00 | 3894.00 | 3930.00 |         |
| 100MHz               | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 17.09   | 16.93                | 16.70   | 16.69   | 16.53   | 16.80   | 18.00   |
|                      |                         | 1       | 137       | 17.05   | 16.59                | 16.65   | 16.38   | 16.46   | 16.79   | 18.00   |
|                      |                         | 1       | 271       | 16.72   | 16.54                | 16.76   | 16.87   | 16.68   | 17.02   | 18.00   |
|                      |                         | 135     | 0         | 16.72   | 16.26                | 16.14   | 16.11   | 16.33   | 16.25   | 17.50   |
|                      |                         | 135     | 69        | 16.96   | 16.53                | 16.26   | 16.52   | 16.76   | 16.78   | 18.00   |
|                      |                         | 135     | 138       | 16.25   | 15.87                | 15.75   | 16.39   | 16.37   | 16.40   | 17.50   |
|                      |                         | 270     | 0         | 16.36   | 16.06                | 16.20   | 15.89   | 16.09   | 16.40   | 17.50   |
|                      | DFT-s-OFDM<br>QPSK      | 1       | 1         | 17.40   | 17.17                | 16.91   | 16.46   | 16.51   | 16.66   | 18.00   |
|                      |                         | 1       | 137       | 16.96   | 16.67                | 16.62   | 16.38   | 16.54   | 16.83   | 18.00   |
|                      |                         | 1       | 271       | 16.56   | 16.67                | 17.05   | 17.01   | 17.01   | 17.16   | 18.00   |
|                      |                         | 135     | 0         | 16.38   | 15.68                | 15.63   | 15.40   | 15.75   | 16.07   | 17.00   |
|                      |                         | 135     | 69        | 16.85   | 16.74                | 16.49   | 16.76   | 16.80   | 17.13   | 18.00   |
|                      |                         | 135     | 138       | 15.68   | 15.66                | 15.58   | 15.90   | 15.89   | 16.03   | 17.00   |
|                      |                         | 270     | 0         | 16.11   | 15.82                | 15.37   | 15.78   | 15.61   | 15.80   | 17.00   |
|                      | DFT-s-OFDM<br>16QAM     | 1       | 1         | 15.87   | 15.55                | 15.46   | 15.33   | 15.45   | 15.53   | 17.00   |
|                      | DFT-s-OFDM<br>64QAM     | 1       | 1         | 14.51   | 14.41                | 14.17   | 13.86   | 14.05   | 14.07   | 15.50   |
|                      | DFT-s-OFDM<br>256QAM    | 1       | 1         | 13.15   | 12.70                | 12.67   | 12.42   | 12.61   | 12.53   | 13.50   |
| Bandwidth            | Modulation              |         |           | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |



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|           |                 | RB size | RB offset | 650000  | 652400  | 654800  | 657200  | 659600  | 662000  |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|---------|---------|---------|
| 100MHz    | CP-OFDM QPSK    | 1       | 1         | 15.53   | 15.44   | 15.31   | 14.90   | 15.26   | 15.08   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 648000  | 651200  | 654400  | 657600  | 660800  | 664000  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.33   | 16.95   | 16.81   | 16.23   | 16.69   | 16.56   | 18.00   |

| N78 ECI 4            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 22.94   | /       | 23.50   |
|                      |                      | 1       | 137       | /                    | 22.37   | /       | 23.50   |
|                      |                      | 1       | 271       | /                    | 22.73   | /       | 23.50   |
|                      |                      | 135     | 0         | /                    | 22.20   | /       | 23.00   |
|                      |                      | 135     | 69        | /                    | 22.66   | /       | 23.50   |
|                      |                      | 135     | 138       | /                    | 22.02   | /       | 23.00   |
|                      |                      | 270     | 0         | /                    | 22.10   | /       | 23.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 22.86   | /       | 23.50   |
|                      |                      | 1       | 137       | /                    | 22.47   | /       | 23.50   |
|                      |                      | 1       | 271       | /                    | 22.68   | /       | 23.50   |
|                      |                      | 135     | 0         | /                    | 21.65   | /       | 22.50   |
|                      |                      | 135     | 69        | /                    | 22.56   | /       | 23.50   |
|                      |                      | 135     | 138       | /                    | 21.57   | /       | 22.50   |
|                      |                      | 270     | 0         | /                    | 21.59   | /       | 22.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 21.63   | /       | 22.50   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 20.23   | /       | 21.00   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 18.55   | /       | 19.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 21.45   | /       | 22.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 633000               | 633334  | 633668  |         |
| 90MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 22.85                | 22.91   | 22.82   | 23.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 632668               | 633334  | 634000  |         |
| 80MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 22.85                | 22.96   | 22.84   | 23.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |



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|              |                 |         |           |         |         |         |         |
|--------------|-----------------|---------|-----------|---------|---------|---------|---------|
|              |                 |         |           | 632334  | 633334  | 634334  |         |
| <b>70MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.76   | 22.94   | 22.82   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 632000  | 633334  | 634668  |         |
| <b>60MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.91   | 22.93   | 22.72   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 631668  | 633334  | 635000  |         |
| <b>50MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.95   | 22.88   | 22.82   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 631334  | 633334  | 635334  |         |
| <b>40MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.88   | 22.84   | 22.90   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 631001  | 633334  | 635667  |         |
| <b>30MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.94   | 22.81   | 22.83   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 630834  | 633334  | 635833  |         |
| <b>25MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.92   | 22.93   | 22.90   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 630668  | 633334  | 636000  |         |
| <b>20MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.79   | 22.87   | 22.77   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 630501  | 633334  | 636167  |         |
| <b>15MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.81   | 23.01   | 22.78   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 630334  | 633334  | 636334  |         |
| <b>10MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.80   | 22.94   | 22.90   | 23.50   |

| N78 ECI 2            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 14.59   | /       | 15.00   |
|                      |                      | 1       | 137       | /                    | 13.94   | /       | 15.00   |
|                      |                      | 1       | 271       | /                    | 14.30   | /       | 15.00   |
|                      |                      | 135     | 0         | /                    | 13.83   | /       | 14.50   |
|                      |                      | 135     | 69        | /                    | 14.23   | /       | 15.00   |



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|           |                      |         |           |         |         |         |         |
|-----------|----------------------|---------|-----------|---------|---------|---------|---------|
|           |                      | 135     | 138       | /       | 13.57   | /       | 14.50   |
|           |                      | 270     | 0         | /       | 13.72   | /       | 14.50   |
|           | DFT-s-OFDM<br>QPSK   | 1       | 1         | /       | 14.47   | /       | 15.00   |
|           |                      | 1       | 137       | /       | 14.03   | /       | 15.00   |
|           |                      | 1       | 271       | /       | 14.23   | /       | 15.00   |
|           |                      | 135     | 0         | /       | 13.24   | /       | 14.00   |
|           |                      | 135     | 69        | /       | 14.17   | /       | 15.00   |
|           |                      | 135     | 138       | /       | 13.18   | /       | 14.00   |
|           |                      | 270     | 0         | /       | 13.14   | /       | 14.00   |
|           | DFT-s-OFDM<br>16QAM  | 1       | 1         | /       | 13.18   | /       | 14.00   |
|           | DFT-s-OFDM<br>64QAM  | 1       | 1         | /       | 11.84   | /       | 12.50   |
|           | DFT-s-OFDM<br>256QAM | 1       | 1         | /       | 10.17   | /       | 10.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | /       | 633334  | /       |         |
| 100MHz    | CP-OFDM QPSK         | 1       | 1         | /       | 13.01   | /       | 13.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 633000  | 633334  | 633668  |         |
| 90MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 14.50   | 14.53   | 14.44   | 15.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 632668  | 633334  | 634000  |         |
| 80MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 14.49   | 14.61   | 14.39   | 15.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 632334  | 633334  | 634334  |         |
| 70MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 14.36   | 14.54   | 14.40   | 15.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 632000  | 633334  | 634668  |         |
| 60MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 14.46   | 14.50   | 14.36   | 15.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 631668  | 633334  | 635000  |         |
| 50MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 14.51   | 14.51   | 14.46   | 15.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 14.52   | 14.44   | 14.50   | 15.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 631001  | 633334  | 635667  |         |
| 30MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 14.51   | 14.44   | 14.46   | 15.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 630834  | 633334  | 635833  |         |



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|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 14.55   | 14.55   | 14.49   | 15.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630668  | 633334  | 636000  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 14.36   | 14.46   | 14.39   | 15.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630501  | 633334  | 636167  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 14.41   | 14.56   | 14.37   | 15.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630334  | 633334  | 636334  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 14.37   | 14.53   | 14.52   | 15.00   |

| N78 ECI 3            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 16.06   | /       | 16.50   |
|                      |                      | 1       | 137       | /                    | 15.48   | /       | 16.50   |
|                      |                      | 1       | 271       | /                    | 15.78   | /       | 16.50   |
|                      |                      | 135     | 0         | /                    | 15.31   | /       | 16.00   |
|                      |                      | 135     | 69        | /                    | 15.72   | /       | 16.50   |
|                      |                      | 135     | 138       | /                    | 15.17   | /       | 16.00   |
|                      |                      | 270     | 0         | /                    | 15.21   | /       | 16.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 15.94   | /       | 16.50   |
|                      |                      | 1       | 137       | /                    | 15.56   | /       | 16.50   |
|                      |                      | 1       | 271       | /                    | 15.80   | /       | 16.50   |
|                      |                      | 135     | 0         | /                    | 14.80   | /       | 15.50   |
|                      |                      | 135     | 69        | /                    | 15.62   | /       | 16.50   |
|                      |                      | 135     | 138       | /                    | 14.70   | /       | 15.50   |
|                      |                      | 270     | 0         | /                    | 14.67   | /       | 15.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 14.76   | /       | 15.50   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 13.30   | /       | 14.00   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 11.63   | /       | 12.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 14.51   | /       | 15.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 633000               | 633334  | 633668  |         |
| 90MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 15.90                | 15.99   | 15.97   | 16.50   |



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| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
|           |                 |         |           | 632668  | 633334  | 634000  |         |
| 80MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.00   | 16.01   | 15.96   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 632334  | 633334  | 634334  |         |
| 70MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.90   | 16.07   | 15.90   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 632000  | 633334  | 634668  |         |
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.98   | 15.98   | 15.81   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631668  | 633334  | 635000  |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.09   | 15.93   | 15.89   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.00   | 15.93   | 15.96   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631001  | 633334  | 635667  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.06   | 15.89   | 15.92   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630834  | 633334  | 635833  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.00   | 15.99   | 15.95   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630668  | 633334  | 636000  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.94   | 15.96   | 15.92   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630501  | 633334  | 636167  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.90   | 16.12   | 15.93   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630334  | 633334  | 636334  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.88   | 16.03   | 15.96   | 16.50   |

| N78 ECI 7            |            |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |            |         |           |                      |         |         |         |
| Bandwidth            | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |            |         |           | /                    | 633334  | /       |         |



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|           |                      |         |           |         |         |         |         |
|-----------|----------------------|---------|-----------|---------|---------|---------|---------|
|           |                      |         |           | /       | 3500.01 | /       |         |
| 100MHz    | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /       | 12.02   | /       | 12.50   |
|           |                      | 1       | 137       | /       | 11.47   | /       | 12.50   |
|           |                      | 1       | 271       | /       | 11.79   | /       | 12.50   |
|           |                      | 135     | 0         | /       | 11.26   | /       | 12.00   |
|           |                      | 135     | 69        | /       | 11.71   | /       | 12.50   |
|           |                      | 135     | 138       | /       | 11.17   | /       | 12.00   |
|           |                      | 270     | 0         | /       | 11.22   | /       | 12.00   |
|           | DFT-s-OFDM QPSK      | 1       | 1         | /       | 12.00   | /       | 12.50   |
|           |                      | 1       | 137       | /       | 11.52   | /       | 12.50   |
|           |                      | 1       | 271       | /       | 11.81   | /       | 12.50   |
|           |                      | 135     | 0         | /       | 10.80   | /       | 11.50   |
|           |                      | 135     | 69        | /       | 11.66   | /       | 12.50   |
|           |                      | 135     | 138       | /       | 10.65   | /       | 11.50   |
|           |                      | 270     | 0         | /       | 10.68   | /       | 11.50   |
|           | DFT-s-OFDM 16QAM     | 1       | 1         | /       | 10.73   | /       | 11.50   |
|           | DFT-s-OFDM 64QAM     | 1       | 1         | /       | 9.28    | /       | 10.00   |
|           | DFT-s-OFDM 256QAM    | 1       | 1         | /       | 7.64    | /       | 8.00    |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | /       | 633334  | /       |         |
| 100MHz    | CP-OFDM QPSK         | 1       | 1         | /       | 10.51   | /       | 11.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 633000  | 633334  | 633668  |         |
| 90MHz     | DFT-s-OFDM QPSK      | 1       | 1         | 11.97   | 11.98   | 11.93   | 12.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 632668  | 633334  | 634000  |         |
| 80MHz     | DFT-s-OFDM QPSK      | 1       | 1         | 12.00   | 12.09   | 11.94   | 12.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 632334  | 633334  | 634334  |         |
| 70MHz     | DFT-s-OFDM QPSK      | 1       | 1         | 11.89   | 12.05   | 11.96   | 12.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 632000  | 633334  | 634668  |         |
| 60MHz     | DFT-s-OFDM QPSK      | 1       | 1         | 11.97   | 12.00   | 11.83   | 12.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 631668  | 633334  | 635000  |         |
| 50MHz     | DFT-s-OFDM QPSK      | 1       | 1         | 12.06   | 11.95   | 11.93   | 12.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |



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|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
|           |                 |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 11.99   | 11.94   | 11.97   | 12.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631001  | 633334  | 635667  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 11.99   | 11.95   | 11.90   | 12.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630834  | 633334  | 635833  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 11.99   | 12.04   | 11.97   | 12.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630668  | 633334  | 636000  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 11.88   | 11.97   | 11.91   | 12.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630501  | 633334  | 636167  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 11.86   | 12.07   | 11.88   | 12.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630334  | 633334  | 636334  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 11.88   | 12.00   | 11.98   | 12.50   |

| N78 ECI 6            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 17.57   | /       | 18.00   |
|                      |                      | 1       | 137       | /                    | 16.82   | /       | 18.00   |
|                      |                      | 1       | 271       | /                    | 17.27   | /       | 18.00   |
|                      |                      | 135     | 0         | /                    | 16.56   | /       | 17.50   |
|                      |                      | 135     | 69        | /                    | 17.15   | /       | 18.00   |
|                      |                      | 135     | 138       | /                    | 16.59   | /       | 17.50   |
|                      |                      | 270     | 0         | /                    | 16.87   | /       | 17.50   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 17.54   | /       | 18.00   |
|                      |                      | 1       | 137       | /                    | 16.90   | /       | 18.00   |
|                      |                      | 1       | 271       | /                    | 17.28   | /       | 18.00   |
|                      |                      | 135     | 0         | /                    | 16.18   | /       | 17.00   |
|                      |                      | 135     | 69        | /                    | 17.26   | /       | 18.00   |
|                      |                      | 135     | 138       | /                    | 15.97   | /       | 17.00   |
|                      |                      | 270     | 0         | /                    | 16.38   | /       | 17.00   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 16.42   | /       | 17.00   |



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|-----------|-------------------|---------|-----------|---------|---------|---------|---------|
|           | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 14.66   | /       | 15.50   |
|           | DFT-s-OFDM 256QAM | 1       | 1         | /       | 13.28   | /       | 13.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | /       | 633334  | /       |         |
| 100MHz    | CP-OFDM QPSK      | 1       | 1         | /       | 16.20   | /       | 16.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 633000  | 633334  | 633668  |         |
| 90MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.33   | 17.63   | 17.63   | 18.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 632668  | 633334  | 634000  |         |
| 80MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.66   | 17.43   | 17.64   | 18.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 632334  | 633334  | 634334  |         |
| 70MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.53   | 17.47   | 17.51   | 18.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 632000  | 633334  | 634668  |         |
| 60MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.30   | 17.30   | 17.31   | 18.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 631668  | 633334  | 635000  |         |
| 50MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.57   | 17.34   | 17.44   | 18.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.55   | 17.39   | 17.49   | 18.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 631001  | 633334  | 635667  |         |
| 30MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.49   | 17.56   | 17.48   | 18.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 630834  | 633334  | 635833  |         |
| 25MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.58   | 17.57   | 17.47   | 18.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 630668  | 633334  | 636000  |         |
| 20MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.23   | 17.64   | 17.25   | 18.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |



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|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
|           |                 |         |           | 630501  | 633334  | 636167  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.40   | 17.60   | 17.45   | 18.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630334  | 633334  | 636334  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.33   | 17.32   | 17.37   | 18.00   |

| N78 ECI 4            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3700~3800) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
|                      |                      |         |           | /                    | 3750.00 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 22.67   | /       | 23.50   |
|                      |                      | 1       | 137       | /                    | 22.39   | /       | 23.50   |
|                      |                      | 1       | 271       | /                    | 22.15   | /       | 23.50   |
|                      |                      | 135     | 0         | /                    | 22.35   | /       | 23.00   |
|                      |                      | 135     | 69        | /                    | 22.52   | /       | 23.50   |
|                      |                      | 135     | 138       | /                    | 21.75   | /       | 23.00   |
|                      |                      | 270     | 0         | /                    | 22.04   | /       | 23.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 22.77   | /       | 23.50   |
|                      |                      | 1       | 137       | /                    | 22.34   | /       | 23.50   |
|                      |                      | 1       | 271       | /                    | 22.21   | /       | 23.50   |
|                      |                      | 135     | 0         | /                    | 21.79   | /       | 22.50   |
|                      |                      | 135     | 69        | /                    | 22.51   | /       | 23.50   |
|                      |                      | 135     | 138       | /                    | 21.20   | /       | 22.50   |
|                      |                      | 270     | 0         | /                    | 21.53   | /       | 22.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 21.51   | /       | 22.50   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 20.16   | /       | 21.00   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 18.62   | /       | 19.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 21.36   | /       | 22.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649668               | 650000  | 650334  |         |
| 90MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 22.85                | 22.87   | 22.75   | 23.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649334               | 650000  | 650668  |         |
| 80MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 22.92                | 22.80   | 22.71   | 23.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |



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|--------------|-----------------|---------|-----------|---------|---------|---------|---------|
|              |                 |         |           | 649000  | 650000  | 651000  |         |
| <b>70MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.77   | 22.83   | 22.65   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 648668  | 650000  | 651334  |         |
| <b>60MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.91   | 22.80   | 22.76   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 648334  | 650000  | 651668  |         |
| <b>50MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.90   | 22.96   | 22.71   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 648000  | 650000  | 652000  |         |
| <b>40MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.94   | 22.93   | 22.67   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 647668  | 650000  | 652334  |         |
| <b>30MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.83   | 22.84   | 22.71   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 647501  | 650000  | 652501  |         |
| <b>25MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.83   | 22.90   | 22.85   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 647334  | 650000  | 652668  |         |
| <b>20MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.95   | 22.83   | 22.66   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 647167  | 650000  | 652835  |         |
| <b>15MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.86   | 22.93   | 22.72   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 647000  | 650000  | 653002  |         |
| <b>10MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.95   | 22.89   | 22.73   | 23.50   |

| N78 ECI 2            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3700~3800) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
|                      |                      |         |           | /                    | 3750.00 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 14.30   | /       | 15.00   |
|                      |                      | 1       | 137       | /                    | 13.94   | /       | 15.00   |
|                      |                      | 1       | 271       | /                    | 13.75   | /       | 15.00   |
|                      |                      | 135     | 0         | /                    | 13.92   | /       | 14.50   |



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|           |                   |         |           |         |         |         |         |
|-----------|-------------------|---------|-----------|---------|---------|---------|---------|
|           |                   | 135     | 69        | /       | 14.11   | /       | 15.00   |
|           |                   | 135     | 138       | /       | 13.36   | /       | 14.50   |
|           |                   | 270     | 0         | /       | 13.68   | /       | 14.50   |
|           | DFT-s-OFDM QPSK   | 1       | 1         | /       | 14.33   | /       | 15.00   |
|           |                   | 1       | 137       | /       | 13.94   | /       | 15.00   |
|           |                   | 1       | 271       | /       | 13.79   | /       | 15.00   |
|           |                   | 135     | 0         | /       | 13.42   | /       | 14.00   |
|           |                   | 135     | 69        | /       | 14.11   | /       | 15.00   |
|           |                   | 135     | 138       | /       | 12.82   | /       | 14.00   |
|           |                   | 270     | 0         | /       | 13.15   | /       | 14.00   |
|           | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 13.06   | /       | 14.00   |
|           | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 11.80   | /       | 12.50   |
|           | DFT-s-OFDM 256QAM | 1       | 1         | /       | 10.27   | /       | 10.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | /       | 650000  | /       |         |
| 100MHz    | CP-OFDM QPSK      | 1       | 1         | /       | 12.94   | /       | 13.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 649668  | 650000  | 650334  |         |
| 90MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 14.49   | 14.52   | 14.40   | 15.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 649334  | 650000  | 650668  |         |
| 80MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 14.47   | 14.43   | 14.35   | 15.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 649000  | 650000  | 651000  |         |
| 70MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 14.33   | 14.47   | 14.28   | 15.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 648668  | 650000  | 651334  |         |
| 60MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 14.52   | 14.39   | 14.32   | 15.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 648334  | 650000  | 651668  |         |
| 50MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 14.46   | 14.60   | 14.36   | 15.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 648000  | 650000  | 652000  |         |
| 40MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 14.50   | 14.52   | 14.31   | 15.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 647668  | 650000  | 652334  |         |
| 30MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 14.43   | 14.47   | 14.34   | 15.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 647501  | 650000  | 652501  |         |



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|-----------|--------------------|---------|-----------|-------------------|-------------------|-------------------|---------|
| 25MHz     | DFT-s-OFDM<br>QPSK | 1       | 1         | 14.43             | 14.51             | 14.42             | 15.00   |
| Bandwidth | Modulation         | RB size | RB offset | Channel<br>647334 | Channel<br>650000 | Channel<br>652668 | Tune up |
| 20MHz     | DFT-s-OFDM<br>QPSK | 1       | 1         | 14.57             | 14.47             | 14.27             | 15.00   |
| Bandwidth | Modulation         | RB size | RB offset | Channel<br>647167 | Channel<br>650000 | Channel<br>652835 | Tune up |
| 15MHz     | DFT-s-OFDM<br>QPSK | 1       | 1         | 14.46             | 14.50             | 14.29             | 15.00   |
| Bandwidth | Modulation         | RB size | RB offset | Channel<br>647000 | Channel<br>650000 | Channel<br>653002 | Tune up |
| 10MHz     | DFT-s-OFDM<br>QPSK | 1       | 1         | 14.58             | 14.51             | 14.34             | 15.00   |

| N78 ECI 3            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3700~3800) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
|                      |                      |         |           | /                    | 3750.00 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 15.81   | /       | 16.50   |
|                      |                      | 1       | 137       | /                    | 15.45   | /       | 16.50   |
|                      |                      | 1       | 271       | /                    | 15.21   | /       | 16.50   |
|                      |                      | 135     | 0         | /                    | 15.45   | /       | 16.00   |
|                      |                      | 135     | 69        | /                    | 15.57   | /       | 16.50   |
|                      |                      | 135     | 138       | /                    | 14.88   | /       | 16.00   |
|                      |                      | 270     | 0         | /                    | 15.14   | /       | 16.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 15.88   | /       | 16.50   |
|                      |                      | 1       | 137       | /                    | 15.46   | /       | 16.50   |
|                      |                      | 1       | 271       | /                    | 15.26   | /       | 16.50   |
|                      |                      | 135     | 0         | /                    | 14.91   | /       | 15.50   |
|                      |                      | 135     | 69        | /                    | 15.59   | /       | 16.50   |
|                      |                      | 135     | 138       | /                    | 14.31   | /       | 15.50   |
|                      |                      | 270     | 0         | /                    | 14.67   | /       | 15.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 14.64   | /       | 15.50   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 13.22   | /       | 14.00   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 11.70   | /       | 12.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 14.45   | /       | 15.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649668               | 650000  | 650334  |         |



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|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 90MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.98   | 16.02   | 15.86   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 649334  | 650000  | 650668  |         |
| 80MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.00   | 15.87   | 15.78   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 649000  | 650000  | 651000  |         |
| 70MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.86   | 15.94   | 15.77   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 648668  | 650000  | 651334  |         |
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.06   | 15.95   | 15.86   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 648334  | 650000  | 651668  |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.05   | 16.07   | 15.84   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 648000  | 650000  | 652000  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.00   | 15.98   | 15.78   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647668  | 650000  | 652334  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.89   | 15.98   | 15.76   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647501  | 650000  | 652501  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.91   | 15.98   | 15.99   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647334  | 650000  | 652668  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.00   | 15.93   | 15.78   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647167  | 650000  | 652835  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.95   | 16.00   | 15.79   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647000  | 650000  | 653002  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.05   | 16.01   | 15.82   | 16.50   |



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| N78 ECI 7            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3700~3800) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
|                      |                      |         |           | /                    | 3750.00 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 11.81   | /       | 12.50   |
|                      |                      | 1       | 137       | /                    | 11.46   | /       | 12.50   |
|                      |                      | 1       | 271       | /                    | 11.29   | /       | 12.50   |
|                      |                      | 135     | 0         | /                    | 11.50   | /       | 12.00   |
|                      |                      | 135     | 69        | /                    | 11.57   | /       | 12.50   |
|                      |                      | 135     | 138       | /                    | 10.89   | /       | 12.00   |
|                      |                      | 270     | 0         | /                    | 11.11   | /       | 12.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 11.91   | /       | 12.50   |
|                      |                      | 1       | 137       | /                    | 11.43   | /       | 12.50   |
|                      |                      | 1       | 271       | /                    | 11.31   | /       | 12.50   |
|                      |                      | 135     | 0         | /                    | 10.92   | /       | 11.50   |
|                      |                      | 135     | 69        | /                    | 11.57   | /       | 12.50   |
|                      |                      | 135     | 138       | /                    | 10.33   | /       | 11.50   |
|                      |                      | 270     | 0         | /                    | 10.62   | /       | 11.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 10.57   | /       | 11.50   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 9.29    | /       | 10.00   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 7.72    | /       | 8.00    |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 10.45   | /       | 11.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649668               | 650000  | 650334  |         |
| 90MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 11.96                | 12.02   | 11.85   | 12.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649334               | 650000  | 650668  |         |
| 80MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 12.01                | 11.92   | 11.80   | 12.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649000               | 650000  | 651000  |         |
| 70MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 11.82                | 11.89   | 11.80   | 12.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 648668               | 650000  | 651334  |         |
| 60MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 11.96                | 11.94   | 11.89   | 12.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |



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|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
|           |                 |         |           | 648334  | 650000  | 651668  |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 11.97   | 12.07   | 11.81   | 12.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 648000  | 650000  | 652000  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.07   | 12.05   | 11.79   | 12.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647668  | 650000  | 652334  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 11.91   | 11.98   | 11.82   | 12.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647501  | 650000  | 652501  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 11.96   | 11.95   | 11.96   | 12.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647334  | 650000  | 652668  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.01   | 11.98   | 11.72   | 12.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647167  | 650000  | 652835  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 11.96   | 12.07   | 11.86   | 12.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647000  | 650000  | 653002  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 12.04   | 11.98   | 11.80   | 12.50   |

| N78 ECI 6            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3700~3800) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
|                      |                      |         |           | /                    | 3750.00 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 17.31   | /       | 18.00   |
|                      |                      | 1       | 137       | /                    | 16.86   | /       | 18.00   |
|                      |                      | 1       | 271       | /                    | 16.81   | /       | 18.00   |
|                      |                      | 135     | 0         | /                    | 17.00   | /       | 17.50   |
|                      |                      | 135     | 69        | /                    | 17.13   | /       | 18.00   |
|                      |                      | 135     | 138       | /                    | 16.54   | /       | 17.50   |
|                      |                      | 270     | 0         | /                    | 16.45   | /       | 17.50   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 17.35   | /       | 18.00   |
|                      |                      | 1       | 137       | /                    | 16.96   | /       | 18.00   |
|                      |                      | 1       | 271       | /                    | 16.64   | /       | 18.00   |
|                      |                      | 135     | 0         | /                    | 16.44   | /       | 17.00   |
|                      |                      | 135     | 69        | /                    | 16.87   | /       | 18.00   |
|                      |                      | 135     | 138       | /                    | 15.94   | /       | 17.00   |



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|           |                   |         |           |         |         |         |         |
|-----------|-------------------|---------|-----------|---------|---------|---------|---------|
|           |                   | 270     | 0         | /       | 16.28   | /       | 17.00   |
|           | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 15.99   | /       | 17.00   |
|           | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 14.70   | /       | 15.50   |
|           | DFT-s-OFDM 256QAM | 1       | 1         | /       | 13.32   | /       | 13.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | /       | 650000  | /       |         |
| 100MHz    | CP-OFDM QPSK      | 1       | 1         | /       | 15.81   | /       | 16.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 649668  | 650000  | 650334  |         |
| 90MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.40   | 17.62   | 17.18   | 18.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 649334  | 650000  | 650668  |         |
| 80MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.58   | 17.62   | 17.16   | 18.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 649000  | 650000  | 651000  |         |
| 70MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.31   | 17.51   | 17.32   | 18.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 648668  | 650000  | 651334  |         |
| 60MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.63   | 17.48   | 17.46   | 18.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 648334  | 650000  | 651668  |         |
| 50MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.52   | 17.74   | 17.44   | 18.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 648000  | 650000  | 652000  |         |
| 40MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.73   | 17.73   | 17.15   | 18.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 647668  | 650000  | 652334  |         |
| 30MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.40   | 17.65   | 17.43   | 18.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 647501  | 650000  | 652501  |         |
| 25MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 17.26   | 17.34   | 17.50   | 18.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 647334  | 650000  | 652668  |         |



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|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.34   | 17.33   | 17.33   | 18.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647167  | 650000  | 652835  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.60   | 17.48   | 17.29   | 18.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647000  | 650000  | 653002  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 17.41   | 17.53   | 17.23   | 18.00   |



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## 11.6 Conducted Power of NR Antenna (Ant8)

| N77 ECI 4/2          |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 22.35   | /       | 23.50   |
|                      |                      | 1       | 137       | /                    | 22.49   | /       | 23.50   |
|                      |                      | 1       | 271       | /                    | 22.58   | /       | 23.50   |
|                      |                      | 135     | 0         | /                    | 21.85   | /       | 23.00   |
|                      |                      | 135     | 69        | /                    | 22.25   | /       | 23.50   |
|                      |                      | 135     | 138       | /                    | 21.94   | /       | 23.00   |
|                      |                      | 270     | 0         | /                    | 21.95   | /       | 23.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 22.36   | /       | 23.50   |
|                      |                      | 1       | 137       | /                    | 22.26   | /       | 23.50   |
|                      |                      | 1       | 271       | /                    | 22.57   | /       | 23.50   |
|                      |                      | 135     | 0         | /                    | 21.41   | /       | 22.50   |
|                      |                      | 135     | 69        | /                    | 22.52   | /       | 23.50   |
|                      |                      | 135     | 138       | /                    | 21.64   | /       | 22.50   |
|                      |                      | 270     | 0         | /                    | 21.50   | /       | 22.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 21.13   | /       | 22.50   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 19.73   | /       | 21.00   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 18.27   | /       | 19.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 20.99   | /       | 22.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 631334               | 633334  | 635334  |         |
| 40MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 22.93                | 22.40   | 22.85   | 23.50   |

| N77 ECI 3/6          |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 19.27   | /       | 20.50   |
|                      |                      | 1       | 137       | /                    | 19.41   | /       | 20.50   |
|                      |                      | 1       | 271       | /                    | 19.45   | /       | 20.50   |
|                      |                      | 135     | 0         | /                    | 18.73   | /       | 20.00   |
|                      |                      | 135     | 69        | /                    | 19.15   | /       | 20.50   |
|                      |                      | 135     | 138       | /                    | 18.85   | /       | 20.00   |
|                      |                      | 270     | 0         | /                    | 18.80   | /       | 20.00   |
|                      |                      |         | 1         | 1                    | /       | 19.26   | /       |



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|           |                   |         |           |         |         |         |         |
|-----------|-------------------|---------|-----------|---------|---------|---------|---------|
|           | DFT-s-OFDM QPSK   | 1       | 137       | /       | 19.14   | /       | 20.50   |
|           |                   | 1       | 271       | /       | 19.47   | /       | 20.50   |
|           |                   | 135     | 0         | /       | 18.35   | /       | 19.50   |
|           |                   | 135     | 69        | /       | 19.38   | /       | 20.50   |
|           |                   | 135     | 138       | /       | 18.59   | /       | 19.50   |
|           |                   | 270     | 0         | /       | 18.38   | /       | 19.50   |
|           | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 18.02   | /       | 19.50   |
|           | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 16.61   | /       | 18.00   |
|           | DFT-s-OFDM 256QAM | 1       | 1         | /       | 15.18   | /       | 16.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | /       | 633334  | /       |         |
| 100MHz    | CP-OFDM QPSK      | 1       | 1         | /       | 17.93   | /       | 19.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 19.85   | 19.34   | 19.73   | 20.50   |

| N77 ECI 7            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 16.22   | /       | 17.50   |
|                      |                      | 1       | 137       | /                    | 16.35   | /       | 17.50   |
|                      |                      | 1       | 271       | /                    | 16.46   | /       | 17.50   |
|                      |                      | 135     | 0         | /                    | 15.72   | /       | 17.00   |
|                      |                      | 135     | 69        | /                    | 16.15   | /       | 17.50   |
|                      |                      | 135     | 138       | /                    | 15.89   | /       | 17.00   |
|                      |                      | 270     | 0         | /                    | 15.81   | /       | 17.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 16.21   | /       | 17.50   |
|                      |                      | 1       | 137       | /                    | 16.14   | /       | 17.50   |
|                      |                      | 1       | 271       | /                    | 16.30   | /       | 17.50   |
|                      |                      | 135     | 0         | /                    | 15.36   | /       | 16.50   |
|                      |                      | 135     | 69        | /                    | 16.22   | /       | 17.50   |
|                      |                      | 135     | 138       | /                    | 15.52   | /       | 16.50   |
|                      |                      | 270     | 0         | /                    | 15.42   | /       | 16.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 15.06   | /       | 16.50   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 13.67   | /       | 15.00   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 12.22   | /       | 13.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 14.84   | /       | 16.00   |



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| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
|           |                 |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.86   | 16.25   | 16.73   | 17.50   |

| N77 ECI 4/2          |                         |         |           |         | Conducted Power(dBm) |         |         |         |         |         |
|----------------------|-------------------------|---------|-----------|---------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz(3700~3980) |                         |         |           |         |                      |         |         |         |         |         |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 650000  | 652400               | 654800  | 657200  | 659600  | 662000  |         |
|                      |                         |         |           | 3750.00 | 3786.00              | 3822.00 | 3858.00 | 3894.00 | 3930.00 |         |
| 100MHz               | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 22.54   | 22.60                | 22.06   | 22.59   | 21.93   | 21.69   | 23.50   |
|                      |                         | 1       | 137       | 22.38   | 22.28                | 22.03   | 22.48   | 21.75   | 21.63   | 23.50   |
|                      |                         | 1       | 271       | 22.47   | 21.87                | 21.75   | 22.36   | 21.61   | 21.57   | 23.50   |
|                      |                         | 135     | 0         | 22.24   | 21.74                | 21.46   | 22.15   | 21.40   | 21.28   | 23.00   |
|                      |                         | 135     | 69        | 22.57   | 22.26                | 21.97   | 22.47   | 21.80   | 21.71   | 23.50   |
|                      |                         | 135     | 138       | 22.13   | 21.73                | 21.46   | 22.08   | 21.03   | 21.06   | 23.00   |
|                      |                         | 270     | 0         | 22.18   | 21.68                | 21.45   | 21.93   | 21.38   | 21.14   | 23.00   |
|                      | DFT-s-OFDM<br>QPSK      | 1       | 1         | 22.48   | 22.52                | 22.11   | 22.53   | 21.98   | 21.80   | 23.50   |
|                      |                         | 1       | 137       | 22.55   | 22.34                | 22.03   | 22.53   | 21.82   | 21.60   | 23.50   |
|                      |                         | 1       | 271       | 22.49   | 21.91                | 21.78   | 22.41   | 21.56   | 21.62   | 23.50   |
|                      |                         | 135     | 0         | 21.61   | 21.13                | 21.02   | 21.61   | 20.86   | 20.70   | 22.50   |
|                      |                         | 135     | 69        | 22.57   | 22.27                | 22.19   | 22.57   | 21.82   | 21.83   | 23.50   |
|                      |                         | 135     | 138       | 21.56   | 21.15                | 21.07   | 21.57   | 20.74   | 20.63   | 22.50   |
|                      | 270                     | 0       | 21.47     | 21.20   | 20.98                | 21.55   | 20.80   | 20.64   | 22.50   |         |
|                      | DFT-s-OFDM<br>16QAM     | 1       | 1         | 21.41   | 21.18                | 21.19   | 21.08   | 20.50   | 20.67   | 22.50   |
|                      | DFT-s-OFDM<br>64QAM     | 1       | 1         | 19.88   | 19.70                | 19.68   | 19.65   | 19.10   | 19.15   | 21.00   |
|                      | DFT-s-OFDM<br>256QAM    | 1       | 1         | 18.38   | 18.49                | 18.35   | 18.37   | 17.71   | 17.80   | 19.00   |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 650000  | 652400               | 654800  | 657200  | 659600  | 662000  |         |
| 100MHz               | CP-OFDM<br>QPSK         | 1       | 1         | 21.26   | 20.92                | 21.09   | 21.07   | 20.40   | 20.45   | 22.00   |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 648000  | 651200               | 654400  | 657600  | 660800  | 664000  |         |
| 40MHz                | DFT-s-OFDM<br>QPSK      | 1       | 1         | 22.52   | 22.39                | 22.09   | 22.55   | 22.09   | 21.79   | 23.50   |

| N77 ECI 3/6          |                         |         |           |         | Conducted Power(dBm) |         |         |         |         |         |
|----------------------|-------------------------|---------|-----------|---------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz(3700~3980) |                         |         |           |         |                      |         |         |         |         |         |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 650000  | 652400               | 654800  | 657200  | 659600  | 662000  |         |
|                      |                         |         |           | 3750.00 | 3786.00              | 3822.00 | 3858.00 | 3894.00 | 3930.00 |         |
| 100MHz               | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 19.68   | 19.66                | 19.18   | 19.66   | 19.06   | 18.83   | 20.50   |
|                      |                         | 1       | 137       | 19.43   | 19.34                | 19.18   | 19.59   | 18.83   | 18.76   | 20.50   |
|                      |                         | 1       | 271       | 19.53   | 18.99                | 18.86   | 19.49   | 18.67   | 18.66   | 20.50   |



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|           |                   |         |           |         |         |         |         |         |         |         |
|-----------|-------------------|---------|-----------|---------|---------|---------|---------|---------|---------|---------|
|           |                   | 135     | 0         | 19.38   | 18.85   | 18.52   | 19.30   | 18.52   | 18.41   | 20.00   |
|           |                   | 135     | 69        | 19.66   | 19.35   | 19.04   | 19.57   | 18.94   | 18.82   | 20.50   |
|           |                   | 135     | 138       | 19.27   | 18.78   | 18.56   | 19.13   | 18.09   | 18.15   | 20.00   |
|           |                   | 270     | 0         | 19.29   | 18.76   | 18.53   | 19.01   | 18.53   | 18.21   | 20.00   |
|           | DFT-s-OFDM QPSK   | 1       | 1         | 19.53   | 19.67   | 19.26   | 19.68   | 19.13   | 18.90   | 20.50   |
|           |                   | 1       | 137       | 19.63   | 19.49   | 19.10   | 19.63   | 18.96   | 18.69   | 20.50   |
|           |                   | 1       | 271       | 19.58   | 19.01   | 18.83   | 19.48   | 18.65   | 18.76   | 20.50   |
|           |                   | 135     | 0         | 18.72   | 18.18   | 18.07   | 18.74   | 17.97   | 17.75   | 19.50   |
|           |                   | 135     | 69        | 19.69   | 19.38   | 19.24   | 19.67   | 18.88   | 18.88   | 20.50   |
|           |                   | 135     | 138       | 18.61   | 18.30   | 18.12   | 18.71   | 17.89   | 17.70   | 19.50   |
|           |                   | 270     | 0         | 18.57   | 18.27   | 18.03   | 18.70   | 17.93   | 17.78   | 19.50   |
|           | DFT-s-OFDM 16QAM  | 1       | 1         | 18.46   | 18.30   | 18.25   | 18.22   | 17.61   | 17.79   | 19.50   |
|           | DFT-s-OFDM 64QAM  | 1       | 1         | 16.99   | 16.75   | 16.76   | 16.76   | 16.18   | 16.30   | 18.00   |
|           | DFT-s-OFDM 256QAM | 1       | 1         | 15.46   | 15.61   | 15.40   | 15.44   | 14.85   | 14.85   | 16.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 650000  | 652400  | 654800  | 657200  | 659600  | 662000  |         |
| 100MHz    | CP-OFDM QPSK      | 1       | 1         | 18.39   | 18.06   | 18.14   | 18.21   | 17.51   | 17.54   | 19.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 648000  | 651200  | 654400  | 657600  | 660800  | 664000  |         |
| 40MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 19.58   | 19.53   | 19.22   | 19.70   | 19.16   | 18.90   | 20.50   |

| N77 ECI 7            |                         |         |           |         | Conducted Power(dBm) |         |         |         |         |         |
|----------------------|-------------------------|---------|-----------|---------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz(3700~3980) |                         |         |           |         |                      |         |         |         |         |         |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 650000  | 652400               | 654800  | 657200  | 659600  | 662000  |         |
|                      |                         |         |           | 3750.00 | 3786.00              | 3822.00 | 3858.00 | 3894.00 | 3930.00 |         |
| 100MHz               | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 16.69   | 16.68                | 16.21   | 16.68   | 16.05   | 15.77   | 17.50   |
|                      |                         | 1       | 137       | 16.45   | 16.39                | 16.12   | 16.53   | 15.84   | 15.72   | 17.50   |
|                      |                         | 1       | 271       | 16.55   | 16.02                | 15.87   | 16.43   | 15.73   | 15.68   | 17.50   |
|                      |                         | 135     | 0         | 16.35   | 15.89                | 15.52   | 16.20   | 15.48   | 15.34   | 17.00   |
|                      |                         | 135     | 69        | 16.69   | 16.34                | 16.04   | 16.55   | 15.89   | 15.82   | 17.50   |
|                      |                         | 135     | 138       | 16.21   | 15.87                | 15.53   | 16.23   | 15.09   | 15.15   | 17.00   |
|                      |                         | 270     | 0         | 16.28   | 15.80                | 15.51   | 16.04   | 15.52   | 15.19   | 17.00   |
|                      | DFT-s-OFDM<br>QPSK      | 1       | 1         | 16.59   | 16.65                | 16.26   | 16.63   | 16.13   | 15.89   | 17.50   |
|                      |                         | 1       | 137       | 16.60   | 16.45                | 16.10   | 16.62   | 15.89   | 15.72   | 17.50   |
|                      |                         | 1       | 271       | 16.56   | 15.99                | 15.92   | 16.49   | 15.70   | 15.71   | 17.50   |
|                      |                         | 135     | 0         | 15.76   | 15.28                | 15.16   | 15.71   | 14.97   | 14.77   | 16.50   |
|                      |                         | 135     | 69        | 16.65   | 16.41                | 16.30   | 16.64   | 15.89   | 16.05   | 17.50   |
|                      |                         | 135     | 138       | 15.69   | 15.25                | 15.18   | 15.67   | 14.82   | 14.77   | 16.50   |
|                      |                         | 270     | 0         | 15.62   | 15.32                | 15.07   | 15.65   | 14.93   | 14.73   | 16.50   |
|                      | DFT-s-OFDM<br>16QAM     | 1       | 1         | 15.46   | 15.28                | 15.29   | 15.14   | 14.60   | 14.74   | 16.50   |



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|                  |                   |         |           |                |                |                |                |                |                |         |
|------------------|-------------------|---------|-----------|----------------|----------------|----------------|----------------|----------------|----------------|---------|
|                  | DFT-s-OFDM 64QAM  | 1       | 1         | 13.96          | 13.81          | 13.78          | 13.76          | 13.23          | 13.20          | 15.00   |
|                  | DFT-s-OFDM 256QAM | 1       | 1         | 12.43          | 12.54          | 12.46          | 12.45          | 11.85          | 11.89          | 13.00   |
| <b>Bandwidth</b> | Modulation        | RB size | RB offset | Channel 650000 | Channel 652400 | Channel 654800 | Channel 657200 | Channel 659600 | Channel 662000 | Tune up |
| <b>100MHz</b>    | CP-OFDM QPSK      | 1       | 1         | 15.40          | 15.00          | 15.24          | 15.20          | 14.53          | 14.51          | 16.00   |
| <b>Bandwidth</b> | Modulation        | RB size | RB offset | Channel 648000 | Channel 651200 | Channel 654400 | Channel 657600 | Channel 660800 | Channel 664000 | Tune up |
| <b>40MHz</b>     | DFT-s-OFDM QPSK   | 1       | 1         | 16.64          | 16.48          | 16.20          | 16.65          | 16.20          | 15.90          | 17.50   |

| N78 ECI 4/2          |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 22.63   | /       | 23.50   |
|                      |                      | 1       | 137       | /                    | 22.58   | /       | 23.50   |
|                      |                      | 1       | 271       | /                    | 22.83   | /       | 23.50   |
|                      |                      | 135     | 0         | /                    | 22.04   | /       | 23.00   |
|                      |                      | 135     | 69        | /                    | 22.77   | /       | 23.50   |
|                      |                      | 135     | 138       | /                    | 22.20   | /       | 23.00   |
|                      |                      | 270     | 0         | /                    | 22.08   | /       | 23.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 22.63   | /       | 23.50   |
|                      |                      | 1       | 137       | /                    | 22.68   | /       | 23.50   |
|                      |                      | 1       | 271       | /                    | 22.70   | /       | 23.50   |
|                      |                      | 135     | 0         | /                    | 21.73   | /       | 22.50   |
|                      |                      | 135     | 69        | /                    | 22.78   | /       | 23.50   |
|                      |                      | 135     | 138       | /                    | 21.64   | /       | 22.50   |
|                      |                      | 270     | 0         | /                    | 21.63   | /       | 22.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 21.53   | /       | 22.50   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 19.91   | /       | 21.00   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 18.44   | /       | 19.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 21.28   | /       | 22.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 633000               | 633334  | 633668  |         |
| 90MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 22.69                | 22.73   | 22.56   | 23.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |



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|              |                 |         |           |         |         |         |         |
|--------------|-----------------|---------|-----------|---------|---------|---------|---------|
|              |                 |         |           | 632668  | 633334  | 634000  |         |
| <b>80MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.67   | 22.79   | 22.64   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 632334  | 633334  | 634334  |         |
| <b>70MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.69   | 22.64   | 22.49   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 632000  | 633334  | 634668  |         |
| <b>60MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.75   | 22.73   | 22.66   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 631668  | 633334  | 635000  |         |
| <b>50MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.59   | 22.75   | 22.62   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 631334  | 633334  | 635334  |         |
| <b>40MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.61   | 22.66   | 22.51   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 631001  | 633334  | 635667  |         |
| <b>30MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.74   | 22.70   | 22.56   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 630834  | 633334  | 635833  |         |
| <b>25MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.67   | 22.79   | 22.60   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 630668  | 633334  | 636000  |         |
| <b>20MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.78   | 22.63   | 22.52   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 630501  | 633334  | 636167  |         |
| <b>15MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.72   | 22.82   | 22.48   | 23.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 630334  | 633334  | 636334  |         |
| <b>10MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 22.74   | 22.80   | 22.58   | 23.50   |



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| N78 ECI 3/6          |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 19.74   | /       | 20.50   |
|                      |                      | 1       | 137       | /                    | 19.66   | /       | 20.50   |
|                      |                      | 1       | 271       | /                    | 19.93   | /       | 20.50   |
|                      |                      | 135     | 0         | /                    | 19.12   | /       | 20.00   |
|                      |                      | 135     | 69        | /                    | 19.87   | /       | 20.50   |
|                      |                      | 135     | 138       | /                    | 19.25   | /       | 20.00   |
|                      |                      | 270     | 0         | /                    | 19.19   | /       | 20.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 19.69   | /       | 20.50   |
|                      |                      | 1       | 137       | /                    | 19.77   | /       | 20.50   |
|                      |                      | 1       | 271       | /                    | 19.75   | /       | 20.50   |
|                      |                      | 135     | 0         | /                    | 18.86   | /       | 19.50   |
|                      |                      | 135     | 69        | /                    | 19.89   | /       | 20.50   |
|                      |                      | 135     | 138       | /                    | 18.72   | /       | 19.50   |
|                      |                      | 270     | 0         | /                    | 18.69   | /       | 19.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 18.67   | /       | 19.50   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 17.00   | /       | 18.00   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 15.55   | /       | 16.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 18.41   | /       | 19.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 633000               | 633334  | 633668  |         |
| 90MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 19.78                | 19.81   | 19.68   | 20.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 632668               | 633334  | 634000  |         |
| 80MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 19.79                | 19.88   | 19.78   | 20.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 632334               | 633334  | 634334  |         |
| 70MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 19.84                | 19.70   | 19.60   | 20.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 632000               | 633334  | 634668  |         |
| 60MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 19.83                | 19.88   | 19.76   | 20.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 631668               | 633334  | 635000  |         |
| 50MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 19.70                | 19.88   | 19.71   | 20.50   |



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| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
|           |                 |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 19.69   | 19.76   | 19.57   | 20.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631001  | 633334  | 635667  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 19.87   | 19.77   | 19.71   | 20.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630834  | 633334  | 635833  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 19.80   | 19.93   | 19.71   | 20.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630668  | 633334  | 636000  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 19.89   | 19.71   | 19.65   | 20.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630501  | 633334  | 636167  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 19.77   | 19.87   | 19.56   | 20.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630334  | 633334  | 636334  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 19.79   | 19.89   | 19.73   | 20.50   |

| N78 ECI 7            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 16.75   | /       | 17.50   |
|                      |                      | 1       | 137       | /                    | 16.69   | /       | 17.50   |
|                      |                      | 1       | 271       | /                    | 16.92   | /       | 17.50   |
|                      |                      | 135     | 0         | /                    | 16.17   | /       | 17.00   |
|                      |                      | 135     | 69        | /                    | 16.89   | /       | 17.50   |
|                      |                      | 135     | 138       | /                    | 16.30   | /       | 17.00   |
|                      |                      | 270     | 0         | /                    | 16.23   | /       | 17.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 16.78   | /       | 17.50   |
|                      |                      | 1       | 137       | /                    | 16.75   | /       | 17.50   |
|                      |                      | 1       | 271       | /                    | 16.78   | /       | 17.50   |
|                      |                      | 135     | 0         | /                    | 15.85   | /       | 16.50   |
|                      |                      | 135     | 69        | /                    | 16.83   | /       | 17.50   |
|                      |                      | 135     | 138       | /                    | 15.72   | /       | 16.50   |
|                      |                      | 270     | 0         | /                    | 15.72   | /       | 16.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 15.63   | /       | 16.50   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 13.97   | /       | 15.00   |



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|           |                      |         |           |         |         |         |         |
|-----------|----------------------|---------|-----------|---------|---------|---------|---------|
|           | DFT-s-OFDM<br>256QAM | 1       | 1         | /       | 12.57   | /       | 13.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | /       | 633334  | /       |         |
| 100MHz    | CP-OFDM<br>QPSK      | 1       | 1         | /       | 15.39   | /       | 16.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 633000  | 633334  | 633668  |         |
| 90MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 16.83   | 16.80   | 16.67   | 17.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 632668  | 633334  | 634000  |         |
| 80MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 16.75   | 16.88   | 16.71   | 17.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 632334  | 633334  | 634334  |         |
| 70MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 16.78   | 16.78   | 16.62   | 17.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 632000  | 633334  | 634668  |         |
| 60MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 16.84   | 16.79   | 16.81   | 17.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 631668  | 633334  | 635000  |         |
| 50MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 16.68   | 16.83   | 16.69   | 17.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 16.75   | 16.77   | 16.57   | 17.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 631001  | 633334  | 635667  |         |
| 30MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 16.88   | 16.83   | 16.66   | 17.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 630834  | 633334  | 635833  |         |
| 25MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 16.75   | 16.86   | 16.72   | 17.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 630668  | 633334  | 636000  |         |
| 20MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 16.88   | 16.72   | 16.61   | 17.50   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 630501  | 633334  | 636167  |         |



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|-----------|-----------------|---------|-----------|-------------------|-------------------|-------------------|---------|
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.78             | 16.97             | 16.60             | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel<br>630334 | Channel<br>633334 | Channel<br>636334 | Tune up |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.82             | 16.94             | 16.68             | 17.50   |

| N78 ECI 4/2          |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3700~3800) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
|                      |                      |         |           | /                    | 3750.00 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 22.65   | /       | 23.50   |
|                      |                      | 1       | 137       | /                    | 22.72   | /       | 23.50   |
|                      |                      | 1       | 271       | /                    | 22.93   | /       | 23.50   |
|                      |                      | 135     | 0         | /                    | 22.40   | /       | 23.00   |
|                      |                      | 135     | 69        | /                    | 22.92   | /       | 23.50   |
|                      |                      | 135     | 138       | /                    | 22.39   | /       | 23.00   |
|                      |                      | 270     | 0         | /                    | 22.44   | /       | 23.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 22.66   | /       | 23.50   |
|                      |                      | 1       | 137       | /                    | 22.78   | /       | 23.50   |
|                      |                      | 1       | 271       | /                    | 22.69   | /       | 23.50   |
|                      |                      | 135     | 0         | /                    | 21.91   | /       | 22.50   |
|                      |                      | 135     | 69        | /                    | 22.90   | /       | 23.50   |
|                      |                      | 135     | 138       | /                    | 21.75   | /       | 22.50   |
|                      |                      | 270     | 0         | /                    | 21.89   | /       | 22.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 21.62   | /       | 22.50   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 20.03   | /       | 21.00   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 18.46   | /       | 19.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 21.35   | /       | 22.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649668               | 650000  | 650334  |         |
| 90MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 22.72                | 22.71   | 22.69   | 23.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649334               | 650000  | 650668  |         |
| 80MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 22.72                | 22.77   | 22.64   | 23.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649000               | 650000  | 651000  |         |



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|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 70MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.64   | 22.61   | 22.77   | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 648668  | 650000  | 651334  |         |
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.74   | 22.77   | 22.78   | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 648334  | 650000  | 651668  |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.73   | 22.71   | 22.72   | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 648000  | 650000  | 652000  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.71   | 22.75   | 22.60   | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647668  | 650000  | 652334  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.75   | 22.65   | 22.62   | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647501  | 650000  | 652501  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.67   | 22.77   | 22.64   | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647334  | 650000  | 652668  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.75   | 22.72   | 22.74   | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647167  | 650000  | 652835  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.79   | 22.75   | 22.68   | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647000  | 650000  | 653002  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.68   | 22.63   | 22.75   | 23.50   |

| N78 ECI 3/6          |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3700~3800) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
|                      |                      |         |           | /                    | 3750.00 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 19.71   | /       | 20.50   |
|                      |                      | 1       | 137       | /                    | 19.82   | /       | 20.50   |
|                      |                      | 1       | 271       | /                    | 20.05   | /       | 20.50   |
|                      |                      | 135     | 0         | /                    | 19.50   | /       | 20.00   |
|                      |                      | 135     | 69        | /                    | 19.97   | /       | 20.50   |



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|           |                  |         |           |         |                 |         |         |
|-----------|------------------|---------|-----------|---------|-----------------|---------|---------|
|           | DFT-s-OFDM QPSK  | 135     | 138       | /       | 19.46           | /       | 20.00   |
|           |                  | 270     | 0         | /       | 19.54           | /       | 20.00   |
|           |                  | 1       | 1         | /       | 19.79           | /       | 20.50   |
|           |                  | 1       | 137       | /       | 19.85           | /       | 20.50   |
|           |                  | 1       | 271       | /       | 19.83           | /       | 20.50   |
|           |                  | 135     | 0         | /       | 18.98           | /       | 19.50   |
|           |                  | 135     | 69        | /       | 19.95           | /       | 20.50   |
|           |                  | 135     | 138       | /       | 18.84           | /       | 19.50   |
|           |                  | 270     | 0         | /       | 19.03           | /       | 19.50   |
|           | DFT-s-OFDM 16QAM | 1       | 1         | /       | 18.75           | /       | 19.50   |
| Bandwidth | Modulation       | RB size | RB offset | Channel | Channel         | Channel | Tune up |
|           |                  |         |           | /       | 650000          | /       |         |
|           |                  |         |           | 100MHz  | CP-OFDM QPSK    | 1       | 1       |
|           |                  |         |           | Channel | Channel         | Channel | Tune up |
|           |                  |         |           | 649668  | 650000          | 650334  |         |
|           |                  |         |           | 90MHz   | DFT-s-OFDM QPSK | 1       | 1       |
|           |                  |         |           | Channel | Channel         | Channel | Tune up |
|           |                  |         |           | 649334  | 650000          | 650668  |         |
|           |                  |         |           | 80MHz   | DFT-s-OFDM QPSK | 1       | 1       |
|           |                  |         |           | Channel | Channel         | Channel | Tune up |
| Bandwidth | Modulation       | RB size | RB offset | 649000  | 650000          | 651000  |         |
|           |                  |         |           | 70MHz   | DFT-s-OFDM QPSK | 1       | 1       |
|           |                  |         |           | Channel | Channel         | Channel | Tune up |
|           |                  |         |           | 648668  | 650000          | 651334  |         |
|           |                  |         |           | 60MHz   | DFT-s-OFDM QPSK | 1       | 1       |
|           |                  |         |           | Channel | Channel         | Channel | Tune up |
|           |                  |         |           | 648334  | 650000          | 651668  |         |
|           |                  |         |           | 50MHz   | DFT-s-OFDM QPSK | 1       | 1       |
|           |                  |         |           | Channel | Channel         | Channel | Tune up |
|           |                  |         |           | 648000  | 650000          | 652000  |         |
| Bandwidth | Modulation       | RB size | RB offset | 40MHz   | DFT-s-OFDM QPSK | 1       | 1       |
|           |                  |         |           | Channel | Channel         | Channel | Tune up |
|           |                  |         |           | 647668  | 650000          | 652334  |         |
|           |                  |         |           | 30MHz   | DFT-s-OFDM QPSK | 1       | 1       |
|           |                  |         |           | Channel | Channel         | Channel | Tune up |
|           |                  |         |           | 647501  | 650000          | 652501  |         |



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|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 19.81   | 19.86   | 19.75   | 20.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647334  | 650000  | 652668  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 19.85   | 19.79   | 19.82   | 20.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647167  | 650000  | 652835  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 19.94   | 19.88   | 19.79   | 20.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647000  | 650000  | 653002  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 19.80   | 19.72   | 19.89   | 20.50   |

| N78 ECI 7            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3700~3800) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
|                      |                      |         |           | /                    | 3750.00 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 16.77   | /       | 17.50   |
|                      |                      | 1       | 137       | /                    | 16.80   | /       | 17.50   |
|                      |                      | 1       | 271       | /                    | 16.98   | /       | 17.50   |
|                      |                      | 135     | 0         | /                    | 16.55   | /       | 17.00   |
|                      |                      | 135     | 69        | /                    | 17.02   | /       | 17.50   |
|                      |                      | 135     | 138       | /                    | 16.53   | /       | 17.00   |
|                      |                      | 270     | 0         | /                    | 16.55   | /       | 17.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 16.75   | /       | 17.50   |
|                      |                      | 1       | 137       | /                    | 16.89   | /       | 17.50   |
|                      |                      | 1       | 271       | /                    | 16.80   | /       | 17.50   |
|                      |                      | 135     | 0         | /                    | 15.99   | /       | 16.50   |
|                      |                      | 135     | 69        | /                    | 17.03   | /       | 17.50   |
|                      |                      | 135     | 138       | /                    | 15.81   | /       | 16.50   |
|                      |                      | 270     | 0         | /                    | 15.98   | /       | 16.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 15.68   | /       | 16.50   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 14.12   | /       | 15.00   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 12.55   | /       | 13.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 15.50   | /       | 16.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649668               | 650000  | 650334  |         |



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|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 90MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.78   | 16.79   | 16.81   | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 649334  | 650000  | 650668  |         |
| 80MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.85   | 16.84   | 16.69   | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 649000  | 650000  | 651000  |         |
| 70MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.72   | 16.71   | 16.86   | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 648668  | 650000  | 651334  |         |
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.80   | 16.90   | 16.85   | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 648334  | 650000  | 651668  |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.83   | 16.82   | 16.77   | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 648000  | 650000  | 652000  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.81   | 16.81   | 16.67   | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647668  | 650000  | 652334  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.82   | 16.70   | 16.72   | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647501  | 650000  | 652501  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.74   | 16.87   | 16.71   | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647334  | 650000  | 652668  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.81   | 16.77   | 16.89   | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647167  | 650000  | 652835  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.90   | 16.81   | 16.74   | 17.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647000  | 650000  | 653002  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 16.74   | 16.69   | 16.90   | 17.50   |



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## 11.7 Conducted Power of NR Antenna (Ant9)

| N41 ECI 4 |                         |         |           | Conducted Power(dBm) |         |         |         |         |         |
|-----------|-------------------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz |                         |         |           |                      |         |         |         |         |         |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
|           |                         |         |           | 2546.01              | 2569.5  | 2592.99 | 2616.51 | 2640    |         |
| 100MHz    | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 22.35                | 22.46   | 22.46   | 22.39   | 22.39   | 23.50   |
|           |                         | 1       | 137       | 22.27                | 22.45   | 22.45   | 22.26   | 22.36   | 23.50   |
|           |                         | 1       | 271       | 22.36                | 22.35   | 22.27   | 22.06   | 22.41   | 23.50   |
|           |                         | 135     | 0         | 21.90                | 21.95   | 21.76   | 21.72   | 21.84   | 23.00   |
|           |                         | 135     | 69        | 22.39                | 22.48   | 22.43   | 22.54   | 22.48   | 23.50   |
|           |                         | 135     | 138       | 22.01                | 21.78   | 21.84   | 21.83   | 21.90   | 23.00   |
|           |                         | 270     | 0         | 22.09                | 21.99   | 21.84   | 21.84   | 21.91   | 23.00   |
|           | DFT-s-OFDM<br>QPSK      | 1       | 1         | 22.44                | 22.46   | 22.36   | 22.29   | 22.43   | 23.50   |
|           |                         | 1       | 137       | 22.27                | 22.41   | 22.41   | 22.22   | 22.38   | 23.50   |
|           |                         | 1       | 271       | 22.41                | 22.28   | 22.26   | 22.15   | 22.36   | 23.50   |
|           |                         | 135     | 0         | 21.42                | 21.38   | 21.25   | 21.32   | 21.27   | 22.50   |
|           |                         | 135     | 69        | 22.47                | 22.48   | 22.44   | 22.47   | 22.44   | 23.50   |
|           |                         | 135     | 138       | 21.60                | 21.36   | 21.25   | 21.31   | 21.33   | 22.50   |
|           |                         | 270     | 0         | 21.49                | 21.44   | 21.32   | 21.29   | 21.34   | 22.50   |
|           | DFT-s-OFDM<br>16QAM     | 1       | 1         | 21.00                | 21.02   | 20.99   | 20.96   | 21.01   | 22.50   |
|           | DFT-s-OFDM<br>64QAM     | 1       | 1         | 19.63                | 19.57   | 19.53   | 19.48   | 19.55   | 21.00   |
|           | DFT-s-OFDM<br>256QAM    | 1       | 1         | 18.21                | 18.22   | 18.16   | 18.21   | 18.09   | 19.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
| 100MHz    | CP-OFDM<br>QPSK         | 1       | 1         | 20.80                | 20.68   | 20.72   | 20.71   | 20.71   | 22.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 508200               | 513402  | 518598  | 523800  | 528996  |         |
| 90MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 22.47                | 22.54   | 22.44   | 22.36   | 22.43   | 23.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 507204               | 512904  | 518598  | 524298  | 529998  |         |
| 80MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 22.50                | 22.45   | 22.46   | 22.37   | 22.53   | 23.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 506202               | 512403  | 518598  | 524799  | 530997  |         |
| 70MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 22.50                | 22.46   | 22.41   | 22.31   | 22.45   | 23.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 505200               | 511902  | 518598  | 525300  | 531996  |         |



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|           |                 |         |           |                |                |                |                |                |         |
|-----------|-----------------|---------|-----------|----------------|----------------|----------------|----------------|----------------|---------|
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.35          | 22.37          | 22.44          | 22.25          | 22.42          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 504204 | Channel 511404 | Channel 518598 | Channel 525798 | Channel 532998 | Tune up |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.34          | 22.45          | 22.44          | 22.35          | 22.41          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 503703 | Channel 511152 | Channel 518598 | Channel 526050 | Channel 533499 | Tune up |
| 45MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.49          | 22.51          | 22.27          | 22.39          | 22.35          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 503202 | Channel 510900 | Channel 518598 | Channel 526302 | Channel 534000 | Tune up |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.53          | 22.54          | 22.35          | 22.23          | 22.40          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 502701 | Channel 510651 | Channel 518598 | Channel 526551 | Channel 534498 | Tune up |
| 35MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.35          | 22.50          | 22.28          | 22.25          | 22.48          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 502200 | Channel 510402 | Channel 518598 | Channel 526800 | Channel 534996 | Tune up |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.40          | 22.47          | 22.37          | 22.19          | 22.43          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 501702 | Channel 510153 | Channel 518598 | Channel 527049 | Channel 535497 | Tune up |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.52          | 22.42          | 22.46          | 22.33          | 22.48          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 501204 | Channel 509904 | Channel 518598 | Channel 527298 | Channel 535998 | Tune up |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.41          | 22.39          | 22.45          | 22.34          | 22.36          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 500202 | Channel 509403 | Channel 518598 | Channel 527799 | Channel 537000 | Tune up |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.37          | 22.53          | 22.30          | 22.28          | 22.48          | 23.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel 499200 | Channel 508902 | Channel 518598 | Channel 528300 | Channel 538002 | Tune up |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.54          | 22.53          | 22.31          | 22.29          | 22.46          | 23.50   |



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| N41 ECI 2 |                         |         |           | Conducted Power(dBm) |         |         |         |         |         |
|-----------|-------------------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz |                         |         |           |                      |         |         |         |         |         |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
|           |                         |         |           | 2546.01              | 2569.5  | 2592.99 | 2616.51 | 2640    |         |
| 100MHz    | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 17.96                | 18.04   | 18.09   | 17.97   | 18.03   | 19.00   |
|           |                         | 1       | 137       | 17.92                | 18.08   | 18.00   | 17.83   | 17.97   | 19.00   |
|           |                         | 1       | 271       | 17.95                | 17.99   | 17.86   | 17.66   | 17.99   | 19.00   |
|           |                         | 135     | 0         | 17.45                | 17.54   | 17.32   | 17.37   | 17.39   | 18.50   |
|           |                         | 135     | 69        | 18.04                | 18.05   | 18.07   | 18.09   | 18.05   | 19.00   |
|           |                         | 135     | 138       | 17.57                | 17.35   | 17.47   | 17.43   | 17.54   | 18.50   |
|           |                         | 270     | 0         | 17.70                | 17.56   | 17.40   | 17.44   | 17.46   | 18.50   |
|           | DFT-s-OFDM<br>QPSK      | 1       | 1         | 18.02                | 18.08   | 17.98   | 17.91   | 18.05   | 19.00   |
|           |                         | 1       | 137       | 17.85                | 17.98   | 18.06   | 17.86   | 17.93   | 19.00   |
|           |                         | 1       | 271       | 17.97                | 17.86   | 17.84   | 17.79   | 17.91   | 19.00   |
|           |                         | 135     | 0         | 16.98                | 16.96   | 16.89   | 16.89   | 16.91   | 18.00   |
|           |                         | 135     | 69        | 18.05                | 18.07   | 18.06   | 18.08   | 17.99   | 19.00   |
|           |                         | 135     | 138       | 17.23                | 16.98   | 16.88   | 16.92   | 16.94   | 18.00   |
|           |                         | 270     | 0         | 17.10                | 17.00   | 16.92   | 16.93   | 16.96   | 18.00   |
|           | DFT-s-OFDM<br>16QAM     | 1       | 1         | 16.60                | 16.67   | 16.61   | 16.54   | 16.66   | 18.00   |
|           | DFT-s-OFDM<br>64QAM     | 1       | 1         | 15.19                | 15.19   | 15.15   | 15.11   | 15.11   | 16.50   |
|           | DFT-s-OFDM<br>256QAM    | 1       | 1         | 13.85                | 13.82   | 13.80   | 13.84   | 13.70   | 14.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
| 100MHz    | CP-OFDM<br>QPSK         | 1       | 1         | 16.38                | 16.32   | 16.32   | 16.26   | 16.29   | 17.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 508200               | 513402  | 518598  | 523800  | 528996  |         |
| 90MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 18.03                | 18.11   | 18.00   | 17.93   | 18.00   | 19.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 507204               | 512904  | 518598  | 524298  | 529998  |         |
| 80MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 18.07                | 18.07   | 18.02   | 17.94   | 18.08   | 19.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 506202               | 512403  | 518598  | 524799  | 530997  |         |
| 70MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 18.06                | 18.01   | 18.02   | 17.96   | 18.06   | 19.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 505200               | 511902  | 518598  | 525300  | 531996  |         |
| 60MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 17.91                | 18.01   | 17.99   | 17.80   | 18.01   | 19.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |



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|              |                 |         |           |         |         |         |         |         |         |
|--------------|-----------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|              |                 |         |           | 504204  | 511404  | 518598  | 525798  | 532998  |         |
| <b>50MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 17.94   | 18.06   | 18.06   | 17.90   | 18.02   | 19.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 503703  | 511152  | 518598  | 526050  | 533499  |         |
| <b>45MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 18.05   | 18.12   | 17.83   | 17.95   | 17.95   | 19.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 503202  | 510900  | 518598  | 526302  | 534000  |         |
| <b>40MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 18.13   | 18.10   | 17.99   | 17.79   | 18.04   | 19.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 502701  | 510651  | 518598  | 526551  | 534498  |         |
| <b>35MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 17.94   | 18.12   | 17.88   | 17.83   | 18.12   | 19.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 502200  | 510402  | 518598  | 526800  | 534996  |         |
| <b>30MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 18.05   | 18.04   | 17.98   | 17.76   | 18.08   | 19.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 501702  | 510153  | 518598  | 527049  | 535497  |         |
| <b>25MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 18.08   | 18.01   | 18.04   | 17.89   | 18.04   | 19.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 501204  | 509904  | 518598  | 527298  | 535998  |         |
| <b>20MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 17.96   | 17.97   | 18.07   | 17.90   | 18.00   | 19.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 500202  | 509403  | 518598  | 527799  | 537000  |         |
| <b>15MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 17.92   | 18.08   | 17.92   | 17.90   | 18.03   | 19.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 499200  | 508902  | 518598  | 528300  | 538002  |         |
| <b>10MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 18.10   | 18.16   | 17.88   | 17.94   | 18.07   | 19.00   |



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| N41 ECI 3/6 |                         |         |           | Conducted Power(dBm) |         |         |         |         |         |
|-------------|-------------------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz   |                         |         |           |                      |         |         |         |         |         |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|             |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
|             |                         |         |           | 2546.01              | 2569.5  | 2592.99 | 2616.51 | 2640    |         |
| 100MHz      | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 15.91                | 16.11   | 16.05   | 16.00   | 15.99   | 17.00   |
|             |                         | 1       | 137       | 15.88                | 16.06   | 16.05   | 15.85   | 16.01   | 17.00   |
|             |                         | 1       | 271       | 15.98                | 15.97   | 15.85   | 15.61   | 15.97   | 17.00   |
|             |                         | 135     | 0         | 15.54                | 15.53   | 15.38   | 15.36   | 15.48   | 16.50   |
|             |                         | 135     | 69        | 16.02                | 16.04   | 16.03   | 16.17   | 16.08   | 17.00   |
|             |                         | 135     | 138       | 15.66                | 15.43   | 15.39   | 15.44   | 15.45   | 16.50   |
|             |                         | 270     | 0         | 15.64                | 15.54   | 15.48   | 15.40   | 15.54   | 16.50   |
|             | DFT-s-OFDM<br>QPSK      | 1       | 1         | 16.08                | 16.09   | 15.95   | 15.94   | 16.08   | 17.00   |
|             |                         | 1       | 137       | 15.89                | 16.05   | 16.04   | 15.80   | 15.98   | 17.00   |
|             |                         | 1       | 271       | 16.06                | 15.90   | 15.85   | 15.73   | 15.98   | 17.00   |
|             |                         | 135     | 0         | 15.02                | 14.99   | 14.82   | 14.95   | 14.91   | 16.00   |
|             |                         | 135     | 69        | 16.02                | 16.06   | 16.06   | 16.03   | 16.06   | 17.00   |
|             |                         | 135     | 138       | 15.15                | 15.00   | 14.90   | 14.89   | 14.91   | 16.00   |
|             |                         | 270     | 0         | 15.07                | 15.07   | 14.90   | 14.84   | 14.90   | 16.00   |
|             | DFT-s-OFDM<br>16QAM     | 1       | 1         | 14.61                | 14.65   | 14.58   | 14.54   | 14.58   | 16.00   |
|             | DFT-s-OFDM<br>64QAM     | 1       | 1         | 13.24                | 13.22   | 13.18   | 13.12   | 13.11   | 14.50   |
|             | DFT-s-OFDM<br>256QAM    | 1       | 1         | 11.84                | 11.79   | 11.74   | 11.78   | 11.66   | 12.50   |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|             |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
| 100MHz      | CP-OFDM<br>QPSK         | 1       | 1         | 14.40                | 14.27   | 14.33   | 14.34   | 14.32   | 15.50   |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|             |                         |         |           | 508200               | 513402  | 518598  | 523800  | 528996  |         |
| 90MHz       | DFT-s-OFDM<br>QPSK      | 1       | 1         | 16.03                | 16.16   | 16.01   | 16.01   | 16.00   | 17.00   |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|             |                         |         |           | 507204               | 512904  | 518598  | 524298  | 529998  |         |
| 80MHz       | DFT-s-OFDM<br>QPSK      | 1       | 1         | 16.13                | 16.09   | 16.09   | 16.01   | 16.17   | 17.00   |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|             |                         |         |           | 506202               | 512403  | 518598  | 524799  | 530997  |         |
| 70MHz       | DFT-s-OFDM<br>QPSK      | 1       | 1         | 16.10                | 16.05   | 16.03   | 15.95   | 16.08   | 17.00   |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|             |                         |         |           | 505200               | 511902  | 518598  | 525300  | 531996  |         |
| 60MHz       | DFT-s-OFDM<br>QPSK      | 1       | 1         | 15.91                | 16.00   | 16.07   | 15.86   | 15.97   | 17.00   |
| Bandwidth   | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |



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|              |                 |         |           |         |         |         |         |         |         |
|--------------|-----------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|              |                 |         |           | 504204  | 511404  | 518598  | 525798  | 532998  |         |
| <b>50MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 15.89   | 16.03   | 16.03   | 15.99   | 16.04   | 17.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 503703  | 511152  | 518598  | 526050  | 533499  |         |
| <b>45MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 16.13   | 16.06   | 15.88   | 16.04   | 15.96   | 17.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 503202  | 510900  | 518598  | 526302  | 534000  |         |
| <b>40MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 16.16   | 16.12   | 15.92   | 15.80   | 15.99   | 17.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 502701  | 510651  | 518598  | 526551  | 534498  |         |
| <b>35MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 16.00   | 16.14   | 15.92   | 15.84   | 16.10   | 17.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 502200  | 510402  | 518598  | 526800  | 534996  |         |
| <b>30MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 15.96   | 16.03   | 15.93   | 15.84   | 16.01   | 17.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 501702  | 510153  | 518598  | 527049  | 535497  |         |
| <b>25MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 16.07   | 16.03   | 16.09   | 15.89   | 16.03   | 17.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 501204  | 509904  | 518598  | 527298  | 535998  |         |
| <b>20MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 16.05   | 15.96   | 16.09   | 15.94   | 15.92   | 17.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 500202  | 509403  | 518598  | 527799  | 537000  |         |
| <b>15MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 15.95   | 16.12   | 15.92   | 15.93   | 16.10   | 17.00   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 499200  | 508902  | 518598  | 528300  | 538002  |         |
| <b>10MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 16.11   | 16.17   | 15.87   | 15.94   | 16.04   | 17.00   |



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| N41 ECI 7 |                         |         |           | Conducted Power(dBm) |         |         |         |         |         |
|-----------|-------------------------|---------|-----------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz |                         |         |           |                      |         |         |         |         |         |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
|           |                         |         |           | 2546.01              | 2569.5  | 2592.99 | 2616.51 | 2640    |         |
| 100MHz    | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 10.40                | 10.60   | 10.58   | 10.51   | 10.46   | 11.50   |
|           |                         | 1       | 137       | 10.32                | 10.57   | 10.55   | 10.31   | 10.46   | 11.50   |
|           |                         | 1       | 271       | 10.44                | 10.46   | 10.35   | 10.20   | 10.50   | 11.50   |
|           |                         | 135     | 0         | 10.02                | 10.00   | 9.81    | 9.80    | 9.92    | 11.00   |
|           |                         | 135     | 69        | 10.49                | 10.55   | 10.48   | 10.67   | 10.62   | 11.50   |
|           |                         | 135     | 138       | 10.11                | 9.89    | 9.99    | 9.94    | 9.98    | 11.00   |
|           |                         | 270     | 0         | 10.23                | 10.08   | 9.93    | 9.90    | 10.06   | 11.00   |
|           | DFT-s-OFDM<br>QPSK      | 1       | 1         | 10.50                | 10.58   | 10.51   | 10.36   | 10.52   | 11.50   |
|           |                         | 1       | 137       | 10.39                | 10.54   | 10.53   | 10.35   | 10.46   | 11.50   |
|           |                         | 1       | 271       | 10.49                | 10.41   | 10.40   | 10.22   | 10.49   | 11.50   |
|           |                         | 135     | 0         | 9.57                 | 9.49    | 9.31    | 9.46    | 9.39    | 10.50   |
|           |                         | 135     | 69        | 10.53                | 10.57   | 10.55   | 10.54   | 10.56   | 11.50   |
|           |                         | 135     | 138       | 9.65                 | 9.46    | 9.36    | 9.38    | 9.38    | 10.50   |
|           |                         | 270     | 0         | 9.59                 | 9.57    | 9.46    | 9.34    | 9.39    | 10.50   |
|           | DFT-s-OFDM<br>16QAM     | 1       | 1         | 9.05                 | 9.15    | 9.04    | 9.01    | 9.08    | 10.50   |
|           | DFT-s-OFDM<br>64QAM     | 1       | 1         | 7.76                 | 7.67    | 7.58    | 7.55    | 7.66    | 9.00    |
|           | DFT-s-OFDM<br>256QAM    | 1       | 1         | 6.31                 | 6.28    | 6.28    | 6.28    | 6.18    | 7.00    |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 509202               | 513900  | 518598  | 523302  | 528000  |         |
| 100MHz    | CP-OFDM<br>QPSK         | 1       | 1         | 8.95                 | 8.78    | 8.83    | 8.86    | 8.76    | 10.00   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 508200               | 513402  | 518598  | 523800  | 528996  |         |
| 90MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 10.59                | 10.65   | 10.55   | 10.48   | 10.52   | 11.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 507204               | 512904  | 518598  | 524298  | 529998  |         |
| 80MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 10.58                | 10.54   | 10.61   | 10.47   | 10.64   | 11.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 506202               | 512403  | 518598  | 524799  | 530997  |         |
| 70MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 10.62                | 10.51   | 10.49   | 10.40   | 10.60   | 11.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |
|           |                         |         |           | 505200               | 511902  | 518598  | 525300  | 531996  |         |
| 60MHz     | DFT-s-OFDM<br>QPSK      | 1       | 1         | 10.46                | 10.52   | 10.59   | 10.34   | 10.52   | 11.50   |
| Bandwidth | Modulation              | RB size | RB offset | Channel              | Channel | Channel | Channel | Channel | Tune up |



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|              |                 |         |           |         |         |         |         |         |         |
|--------------|-----------------|---------|-----------|---------|---------|---------|---------|---------|---------|
|              |                 |         |           | 504204  | 511404  | 518598  | 525798  | 532998  |         |
| <b>50MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 10.46   | 10.54   | 10.53   | 10.47   | 10.47   | 11.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 503703  | 511152  | 518598  | 526050  | 533499  |         |
| <b>45MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 10.64   | 10.56   | 10.34   | 10.54   | 10.43   | 11.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 503202  | 510900  | 518598  | 526302  | 534000  |         |
| <b>40MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 10.67   | 10.68   | 10.44   | 10.35   | 10.51   | 11.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 502701  | 510651  | 518598  | 526551  | 534498  |         |
| <b>35MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 10.45   | 10.62   | 10.34   | 10.30   | 10.60   | 11.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 502200  | 510402  | 518598  | 526800  | 534996  |         |
| <b>30MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 10.48   | 10.58   | 10.45   | 10.24   | 10.56   | 11.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 501702  | 510153  | 518598  | 527049  | 535497  |         |
| <b>25MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 10.61   | 10.56   | 10.61   | 10.39   | 10.57   | 11.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 501204  | 509904  | 518598  | 527298  | 535998  |         |
| <b>20MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 10.56   | 10.48   | 10.59   | 10.41   | 10.41   | 11.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 500202  | 509403  | 518598  | 527799  | 537000  |         |
| <b>15MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 10.48   | 10.62   | 10.39   | 10.34   | 10.58   | 11.50   |
| Bandwidth    | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Tune up |
|              |                 |         |           | 499200  | 508902  | 518598  | 528300  | 538002  |         |
| <b>10MHz</b> | DFT-s-OFDM QPSK | 1       | 1         | 10.68   | 10.65   | 10.38   | 10.37   | 10.54   | 11.50   |



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## 11.8 Conducted Power of NR Antenna (Ant10)

| N77 ECI 4            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 18.49   | /       | 19.50   |
|                      |                      | 1       | 137       | /                    | 18.26   | /       | 19.50   |
|                      |                      | 1       | 271       | /                    | 18.44   | /       | 19.50   |
|                      |                      | 135     | 0         | /                    | 17.78   | /       | 19.00   |
|                      |                      | 135     | 69        | /                    | 18.29   | /       | 19.50   |
|                      |                      | 135     | 138       | /                    | 17.99   | /       | 19.00   |
|                      |                      | 270     | 0         | /                    | 17.99   | /       | 19.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 18.44   | /       | 19.50   |
|                      |                      | 1       | 137       | /                    | 18.29   | /       | 19.50   |
|                      |                      | 1       | 271       | /                    | 18.63   | /       | 19.50   |
|                      |                      | 135     | 0         | /                    | 17.38   | /       | 18.50   |
|                      |                      | 135     | 69        | /                    | 18.32   | /       | 19.50   |
|                      |                      | 135     | 138       | /                    | 17.41   | /       | 18.50   |
|                      |                      | 270     | 0         | /                    | 17.42   | /       | 18.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 17.17   | /       | 18.50   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 15.86   | /       | 17.00   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 14.25   | /       | 15.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 17.06   | /       | 18.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 631334               | 633334  | 635334  |         |
| 40MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 24.48                | 18.41   | 24.37   | 19.50   |

| N77 ECI 2            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 22.11   | /       | 23.00   |
|                      |                      | 1       | 137       | /                    | 21.88   | /       | 23.00   |
|                      |                      | 1       | 271       | /                    | 22.07   | /       | 23.00   |
|                      |                      | 135     | 0         | /                    | 21.39   | /       | 22.50   |
|                      |                      | 135     | 69        | /                    | 21.92   | /       | 23.00   |
|                      |                      | 135     | 138       | /                    | 21.56   | /       | 22.50   |
|                      |                      | 270     | 0         | /                    | 21.55   | /       | 22.50   |
|                      |                      |         | 1         | 1                    | /       | 22.03   | /       |



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|           | DFT-s-OFDM QPSK   | 1       | 137       | /       | 21.90   | /       | 23.00   |
|           |                   | 1       | 271       | /       | 22.25   | /       | 23.00   |
|           |                   | 135     | 0         | /       | 21.01   | /       | 22.00   |
|           |                   | 135     | 69        | /       | 21.89   | /       | 23.00   |
|           |                   | 135     | 138       | /       | 21.00   | /       | 22.00   |
|           |                   | 270     | 0         | /       | 20.99   | /       | 22.00   |
|           | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 20.82   | /       | 22.00   |
|           | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 19.43   | /       | 20.50   |
|           | DFT-s-OFDM 256QAM | 1       | 1         | /       | 17.85   | /       | 18.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | /       | 633334  | /       |         |
| 100MHz    | CP-OFDM QPSK      | 1       | 1         | /       | 20.69   | /       | 21.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 22.10   | 22.01   | 21.94   | 23.00   |

| N77 ECI 3            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 10.12   | /       | 11.00   |
|                      |                      | 1       | 137       | /                    | 9.82    | /       | 11.00   |
|                      |                      | 1       | 271       | /                    | 9.99    | /       | 11.00   |
|                      |                      | 135     | 0         | /                    | 9.37    | /       | 10.50   |
|                      |                      | 135     | 69        | /                    | 9.90    | /       | 11.00   |
|                      |                      | 135     | 138       | /                    | 9.55    | /       | 10.50   |
|                      |                      | 270     | 0         | /                    | 9.62    | /       | 10.50   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 10.05   | /       | 11.00   |
|                      |                      | 1       | 137       | /                    | 9.84    | /       | 11.00   |
|                      |                      | 1       | 271       | /                    | 10.28   | /       | 11.00   |
|                      |                      | 135     | 0         | /                    | 8.96    | /       | 10.00   |
|                      |                      | 135     | 69        | /                    | 9.89    | /       | 11.00   |
|                      |                      | 135     | 138       | /                    | 9.00    | /       | 10.00   |
|                      |                      | 270     | 0         | /                    | 9.05    | /       | 10.00   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 8.74    | /       | 10.00   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 7.47    | /       | 8.50    |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 5.87    | /       | 6.50    |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |



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|           |                 |         |           |                   |                   |                   |         |
|-----------|-----------------|---------|-----------|-------------------|-------------------|-------------------|---------|
| 100MHz    | CP-OFDM QPSK    | 1       | 1         | /                 | 8.68              | /                 | 9.50    |
| Bandwidth | Modulation      | RB size | RB offset | Channel<br>631334 | Channel<br>633334 | Channel<br>635334 | Tune up |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 10.05             | 10.06             | 10.02             | 11.00   |

| N77 ECI 7            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 8.60    | /       | 9.50    |
|                      |                      | 1       | 137       | /                    | 8.41    | /       | 9.50    |
|                      |                      | 1       | 271       | /                    | 8.57    | /       | 9.50    |
|                      |                      | 135     | 0         | /                    | 7.89    | /       | 9.00    |
|                      |                      | 135     | 69        | /                    | 8.43    | /       | 9.50    |
|                      |                      | 135     | 138       | /                    | 8.04    | /       | 9.00    |
|                      |                      | 270     | 0         | /                    | 8.11    | /       | 9.00    |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 8.50    | /       | 9.50    |
|                      |                      | 1       | 137       | /                    | 8.37    | /       | 9.50    |
|                      |                      | 1       | 271       | /                    | 8.68    | /       | 9.50    |
|                      |                      | 135     | 0         | /                    | 7.51    | /       | 8.50    |
|                      |                      | 135     | 69        | /                    | 8.39    | /       | 9.50    |
|                      |                      | 135     | 138       | /                    | 7.56    | /       | 8.50    |
|                      |                      | 270     | 0         | /                    | 7.49    | /       | 8.50    |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 7.31    | /       | 8.50    |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 6.00    | /       | 7.00    |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 4.39    | /       | 5.00    |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 7.16    | /       | 8.00    |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 631334               | 633334  | 635334  |         |
| 40MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 8.53                 | 8.54    | 8.49    | 9.50    |

| N77 ECI 6            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 15.60   | /       | 16.50   |
|                      |                      | 1       | 137       | /                    | 15.41   | /       | 16.50   |
|                      |                      | 1       | 271       | /                    | 15.57   | /       | 16.50   |



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|           |                   |         |           |         |         |         |         |
|-----------|-------------------|---------|-----------|---------|---------|---------|---------|
|           |                   | 135     | 0         | /       | 14.89   | /       | 16.00   |
|           |                   | 135     | 69        | /       | 15.43   | /       | 16.50   |
|           |                   | 135     | 138       | /       | 15.04   | /       | 16.00   |
|           |                   | 270     | 0         | /       | 15.11   | /       | 16.00   |
|           | DFT-s-OFDM QPSK   | 1       | 1         | /       | 15.50   | /       | 16.50   |
|           |                   | 1       | 137       | /       | 15.37   | /       | 16.50   |
|           |                   | 1       | 271       | /       | 15.68   | /       | 16.50   |
|           |                   | 135     | 0         | /       | 14.51   | /       | 15.50   |
|           |                   | 135     | 69        | /       | 15.39   | /       | 16.50   |
|           |                   | 135     | 138       | /       | 14.56   | /       | 15.50   |
|           |                   | 270     | 0         | /       | 14.49   | /       | 15.50   |
|           | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 14.31   | /       | 15.50   |
|           | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 13.00   | /       | 14.00   |
|           | DFT-s-OFDM 256QAM | 1       | 1         | /       | 11.39   | /       | 12.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | /       | 633334  | /       |         |
| 100MHz    | CP-OFDM QPSK      | 1       | 1         | /       | 14.16   | /       | 15.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 15.53   | 15.54   | 15.49   | 16.50   |

| N77 ECI 4            |                         |         |           |         | Conducted Power(dBm) |         |         |         |         |         |
|----------------------|-------------------------|---------|-----------|---------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz(3700~3980) |                         |         |           |         |                      |         |         |         |         |         |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 650000  | 652400               | 654800  | 657200  | 659600  | 662000  |         |
|                      |                         |         |           | 3750.00 | 3786.00              | 3822.00 | 3858.00 | 3894.00 | 3930.00 |         |
| 100MHz               | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 18.78   | 18.65                | 18.34   | 17.87   | 17.65   | 17.79   | 19.50   |
|                      |                         | 1       | 137       | 18.46   | 18.16                | 17.81   | 17.72   | 17.79   | 17.70   | 19.50   |
|                      |                         | 1       | 271       | 18.03   | 17.94                | 17.83   | 17.81   | 17.79   | 17.86   | 19.50   |
|                      |                         | 135     | 0         | 18.16   | 17.91                | 17.57   | 17.38   | 17.40   | 17.36   | 19.00   |
|                      |                         | 135     | 69        | 18.42   | 18.15                | 17.95   | 17.87   | 17.83   | 17.73   | 19.50   |
|                      |                         | 135     | 138       | 17.82   | 17.56                | 17.41   | 17.45   | 17.15   | 17.27   | 19.00   |
|                      |                         | 270     | 0         | 17.87   | 17.59                | 17.54   | 17.36   | 17.22   | 17.24   | 19.00   |
|                      | DFT-s-OFDM<br>QPSK      | 1       | 1         | 18.77   | 18.56                | 18.23   | 17.95   | 17.67   | 17.77   | 19.50   |
|                      |                         | 1       | 137       | 18.45   | 18.13                | 17.84   | 17.73   | 17.68   | 17.62   | 19.50   |
|                      |                         | 1       | 271       | 18.10   | 17.87                | 17.78   | 17.76   | 17.74   | 17.81   | 19.50   |
|                      |                         | 135     | 0         | 17.67   | 17.43                | 17.06   | 16.91   | 16.80   | 16.82   | 18.50   |
|                      |                         | 135     | 69        | 18.55   | 18.16                | 17.89   | 17.79   | 17.73   | 17.84   | 19.50   |
|                      |                         | 135     | 138       | 17.24   | 16.99                | 16.86   | 16.82   | 16.81   | 16.84   | 18.50   |
|                      |                         | 270     | 0         | 17.38   | 17.19                | 16.91   | 16.76   | 16.76   | 16.79   | 18.50   |
|                      | DFT-s-OFDM<br>16QAM     | 1       | 1         | 17.26   | 17.06                | 16.70   | 16.77   | 16.81   | 16.78   | 18.50   |



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|                  |                   |         |           |                |                |                |                |                |                |         |
|------------------|-------------------|---------|-----------|----------------|----------------|----------------|----------------|----------------|----------------|---------|
|                  | DFT-s-OFDM 64QAM  | 1       | 1         | 15.74          | 15.66          | 15.31          | 15.31          | 15.36          | 15.17          | 17.00   |
|                  | DFT-s-OFDM 256QAM | 1       | 1         | 14.42          | 14.17          | 14.03          | 13.90          | 13.91          | 14.00          | 15.00   |
| <b>Bandwidth</b> | Modulation        | RB size | RB offset | Channel 650000 | Channel 652400 | Channel 654800 | Channel 657200 | Channel 659600 | Channel 662000 | Tune up |
| <b>100MHz</b>    | CP-OFDM QPSK      | 1       | 1         | 16.85          | 16.67          | 16.55          | 16.50          | 16.52          | 16.53          | 18.00   |
| <b>Bandwidth</b> | Modulation        | RB size | RB offset | Channel 648000 | Channel 651200 | Channel 654400 | Channel 657600 | Channel 660800 | Channel 664000 | Tune up |
| <b>40MHz</b>     | DFT-s-OFDM QPSK   | 1       | 1         | 18.85          | 18.53          | 18.20          | 17.99          | 17.72          | 17.81          | 19.50   |

| N77 ECI 2            |                         |         |           |                   | Conducted Power(dBm) |                   |                   |                   |                   |         |
|----------------------|-------------------------|---------|-----------|-------------------|----------------------|-------------------|-------------------|-------------------|-------------------|---------|
| SCS 30kHz(3700~3980) |                         |         |           |                   |                      |                   |                   |                   |                   |         |
| Bandwidth            | Modulation              | RB size | RB offset | Channel<br>650000 | Channel<br>652400    | Channel<br>654800 | Channel<br>657200 | Channel<br>659600 | Channel<br>662000 | Tune up |
|                      |                         |         |           | 3750.00           | 3786.00              | 3822.00           | 3858.00           | 3894.00           | 3930.00           |         |
| 100MHz               | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 22.43             | 22.24                | 21.98             | 21.45             | 21.23             | 21.38             | 23.00   |
|                      |                         | 1       | 137       | 22.02             | 21.78                | 21.36             | 21.28             | 21.44             | 21.28             | 23.00   |
|                      |                         | 1       | 271       | 21.66             | 21.59                | 21.43             | 21.38             | 21.38             | 21.46             | 23.00   |
|                      |                         | 135     | 0         | 21.78             | 21.53                | 21.18             | 20.95             | 21.04             | 20.91             | 22.50   |
|                      |                         | 135     | 69        | 22.07             | 21.76                | 21.53             | 21.48             | 21.43             | 21.35             | 23.00   |
|                      |                         | 135     | 138       | 21.47             | 21.18                | 21.04             | 21.07             | 20.79             | 20.90             | 22.50   |
|                      |                         | 270     | 0         | 21.42             | 21.18                | 21.10             | 20.98             | 20.86             | 20.87             | 22.50   |
|                      | DFT-s-OFDM<br>QPSK      | 1       | 1         | 22.27             | 22.13                | 21.81             | 21.51             | 21.26             | 21.42             | 23.00   |
|                      |                         | 1       | 137       | 22.06             | 21.73                | 21.39             | 21.29             | 21.24             | 21.27             | 23.00   |
|                      |                         | 1       | 271       | 21.71             | 21.52                | 21.37             | 21.39             | 21.35             | 21.41             | 23.00   |
|                      |                         | 135     | 0         | 21.25             | 21.08                | 20.63             | 20.53             | 20.37             | 20.43             | 22.00   |
|                      |                         | 135     | 69        | 22.05             | 21.80                | 21.53             | 21.38             | 21.43             | 21.46             | 23.00   |
|                      |                         | 135     | 138       | 20.87             | 20.56                | 20.50             | 20.47             | 20.42             | 20.48             | 22.00   |
|                      |                         | 270     | 0         | 21.01             | 20.82                | 20.53             | 20.41             | 20.34             | 20.37             | 22.00   |
|                      | DFT-s-OFDM<br>16QAM     | 1       | 1         | 20.83             | 20.64                | 20.35             | 20.37             | 20.43             | 20.42             | 22.00   |
|                      | DFT-s-OFDM<br>64QAM     | 1       | 1         | 19.39             | 19.27                | 18.88             | 18.96             | 18.95             | 18.73             | 20.50   |
|                      | DFT-s-OFDM<br>256QAM    | 1       | 1         | 17.98             | 17.75                | 17.68             | 17.55             | 17.48             | 17.55             | 18.50   |
| Bandwidth            | Modulation              | RB size | RB offset | Channel<br>650000 | Channel<br>652400    | Channel<br>654800 | Channel<br>657200 | Channel<br>659600 | Channel<br>662000 | Tune up |
| 100MHz               | CP-OFDM<br>QPSK         | 1       | 1         | 20.42             | 20.28                | 20.10             | 20.11             | 20.14             | 20.09             | 21.50   |
| Bandwidth            | Modulation              | RB size | RB offset | Channel<br>648000 | Channel<br>651200    | Channel<br>654400 | Channel<br>657600 | Channel<br>660800 | Channel<br>664000 | Tune up |
| 40MHz                | DFT-s-OFDM<br>OPSK      | 1       | 1         | 22.40             | 22.11                | 21.84             | 21.59             | 21.37             | 21.40             | 23.00   |



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| N77 ECI 3            |                         |         |           |         | Conducted Power(dBm) |         |         |         |         |         |
|----------------------|-------------------------|---------|-----------|---------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz(3700~3980) |                         |         |           |         |                      |         |         |         |         |         |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 650000  | 652400               | 654800  | 657200  | 659600  | 662000  |         |
|                      |                         |         |           | 3750.00 | 3786.00              | 3822.00 | 3858.00 | 3894.00 | 3930.00 |         |
| 100MHz               | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 10.36   | 10.26                | 9.90    | 9.52    | 9.26    | 9.35    | 11.00   |
|                      |                         | 1       | 137       | 10.02   | 9.76                 | 9.40    | 9.37    | 9.43    | 9.33    | 11.00   |
|                      |                         | 1       | 271       | 9.65    | 9.50                 | 9.43    | 9.39    | 9.37    | 9.43    | 11.00   |
|                      |                         | 135     | 0         | 9.71    | 9.50                 | 9.21    | 8.93    | 8.99    | 8.98    | 10.50   |
|                      |                         | 135     | 69        | 10.04   | 9.73                 | 9.59    | 9.42    | 9.39    | 9.33    | 11.00   |
|                      |                         | 135     | 138       | 9.43    | 9.18                 | 9.05    | 9.03    | 8.73    | 8.90    | 10.50   |
|                      |                         | 270     | 0         | 9.48    | 9.22                 | 9.12    | 8.98    | 8.87    | 8.89    | 10.50   |
|                      | DFT-s-OFDM<br>QPSK      | 1       | 1         | 10.32   | 10.17                | 9.78    | 9.54    | 9.28    | 9.34    | 11.00   |
|                      |                         | 1       | 137       | 10.09   | 9.78                 | 9.46    | 9.29    | 9.26    | 9.17    | 11.00   |
|                      |                         | 1       | 271       | 9.75    | 9.46                 | 9.33    | 9.32    | 9.32    | 9.46    | 11.00   |
|                      |                         | 135     | 0         | 9.31    | 9.03                 | 8.61    | 8.56    | 8.35    | 8.37    | 10.00   |
|                      |                         | 135     | 69        | 10.03   | 9.71                 | 9.50    | 9.44    | 9.35    | 9.39    | 11.00   |
|                      |                         | 135     | 138       | 8.89    | 8.63                 | 8.49    | 8.44    | 8.42    | 8.46    | 10.00   |
|                      |                         | 270     | 0         | 9.03    | 8.83                 | 8.48    | 8.41    | 8.37    | 8.43    | 10.00   |
|                      | DFT-s-OFDM<br>16QAM     | 1       | 1         | 8.91    | 8.66                 | 8.31    | 8.35    | 8.39    | 8.38    | 10.00   |
|                      | DFT-s-OFDM<br>64QAM     | 1       | 1         | 7.38    | 7.26                 | 6.87    | 6.92    | 6.98    | 6.82    | 8.50    |
|                      | DFT-s-OFDM<br>256QAM    | 1       | 1         | 6.05    | 5.78                 | 5.63    | 5.47    | 5.51    | 5.65    | 6.50    |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 650000  | 652400               | 654800  | 657200  | 659600  | 662000  |         |
| 100MHz               | CP-OFDM<br>QPSK         | 1       | 1         | 8.42    | 8.22                 | 8.19    | 8.15    | 8.17    | 8.10    | 9.50    |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 648000  | 651200               | 654400  | 657600  | 660800  | 664000  |         |
| 40MHz                | DFT-s-OFDM<br>QPSK      | 1       | 1         | 10.47   | 10.16                | 9.84    | 9.63    | 9.35    | 9.44    | 11.00   |

| N77 ECI 7            |                         |         |           |         | Conducted Power(dBm) |         |         |         |         |         |
|----------------------|-------------------------|---------|-----------|---------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz(3700~3980) |                         |         |           |         |                      |         |         |         |         |         |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 650000  | 652400               | 654800  | 657200  | 659600  | 662000  |         |
|                      |                         |         |           | 3750.00 | 3786.00              | 3822.00 | 3858.00 | 3894.00 | 3930.00 |         |
| 100MHz               | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 8.89    | 8.72                 | 8.41    | 8.02    | 7.76    | 7.88    | 9.50    |
|                      |                         | 1       | 137       | 8.57    | 8.28                 | 7.86    | 7.82    | 7.85    | 7.79    | 9.50    |
|                      |                         | 1       | 271       | 8.18    | 8.07                 | 7.91    | 7.87    | 7.87    | 7.93    | 9.50    |
|                      |                         | 135     | 0         | 8.26    | 8.02                 | 7.65    | 7.51    | 7.47    | 7.43    | 9.00    |
|                      |                         | 135     | 69        | 8.56    | 8.22                 | 8.04    | 7.97    | 7.96    | 7.78    | 9.50    |
|                      |                         | 135     | 138       | 7.96    | 7.64                 | 7.47    | 7.60    | 7.29    | 7.39    | 9.00    |
|                      |                         | 270     | 0         | 7.99    | 7.67                 | 7.59    | 7.48    | 7.27    | 7.39    | 9.00    |
|                      |                         | 1       | 1         | 8.76    | 8.65                 | 8.31    | 8.02    | 7.81    | 7.91    | 9.50    |



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|           |                   |         |           |                |                |                |                |                |                |         |
|-----------|-------------------|---------|-----------|----------------|----------------|----------------|----------------|----------------|----------------|---------|
|           | DFT-s-OFDM QPSK   | 1       | 137       | 8.59           | 8.21           | 7.90           | 7.86           | 7.81           | 7.76           | 9.50    |
|           |                   | 1       | 271       | 8.15           | 7.97           | 7.87           | 7.81           | 7.81           | 7.88           | 9.50    |
|           |                   | 135     | 0         | 7.82           | 7.58           | 7.13           | 7.04           | 6.93           | 6.96           | 8.50    |
|           |                   | 135     | 69        | 8.50           | 8.24           | 7.95           | 7.93           | 7.80           | 7.89           | 9.50    |
|           |                   | 135     | 138       | 7.29           | 7.06           | 7.01           | 6.91           | 6.89           | 6.98           | 8.50    |
|           |                   | 270     | 0         | 7.52           | 7.31           | 7.02           | 6.87           | 6.91           | 6.94           | 8.50    |
|           | DFT-s-OFDM 16QAM  | 1       | 1         | 7.32           | 7.13           | 6.83           | 6.91           | 6.92           | 6.90           | 8.50    |
|           | DFT-s-OFDM 64QAM  | 1       | 1         | 5.84           | 5.78           | 5.41           | 5.38           | 5.49           | 5.28           | 7.00    |
|           | DFT-s-OFDM 256QAM | 1       | 1         | 4.48           | 4.25           | 4.14           | 3.97           | 4.03           | 4.09           | 5.00    |
| Bandwidth | Modulation        | RB size | RB offset | Channel 650000 | Channel 652400 | Channel 654800 | Channel 657200 | Channel 659600 | Channel 662000 | Tune up |
| 100MHz    | CP-OFDM QPSK      | 1       | 1         | 6.92           | 6.77           | 6.66           | 6.58           | 6.61           | 6.58           | 8.00    |
| Bandwidth | Modulation        | RB size | RB offset | Channel 648000 | Channel 651200 | Channel 654400 | Channel 657600 | Channel 660800 | Channel 664000 | Tune up |
| 40MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 8.98           | 8.66           | 8.30           | 8.04           | 7.86           | 7.93           | 9.50    |

| N77 ECI 6            |                         |         |           |         | Conducted Power(dBm) |         |         |         |         |         |
|----------------------|-------------------------|---------|-----------|---------|----------------------|---------|---------|---------|---------|---------|
| SCS 30kHz(3700~3980) |                         |         |           |         |                      |         |         |         |         |         |
| Bandwidth            | Modulation              | RB size | RB offset | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |
|                      |                         |         |           | 650000  | 652400               | 654800  | 657200  | 659600  | 662000  |         |
|                      |                         |         |           | 3750.00 | 3786.00              | 3822.00 | 3858.00 | 3894.00 | 3930.00 |         |
| 100MHz               | DFT-s-OFDM<br>PI/2 BPSK | 1       | 1         | 15.78   | 15.86                | 15.47   | 14.86   | 14.79   | 14.91   | 16.50   |
|                      |                         | 1       | 137       | 15.73   | 15.08                | 14.85   | 14.82   | 15.02   | 14.86   | 16.50   |
|                      |                         | 1       | 271       | 15.23   | 15.04                | 14.72   | 14.75   | 15.01   | 15.05   | 16.50   |
|                      |                         | 135     | 0         | 15.31   | 14.91                | 14.84   | 14.48   | 14.67   | 14.29   | 16.00   |
|                      |                         | 135     | 69        | 15.61   | 15.34                | 15.22   | 14.99   | 15.00   | 14.95   | 16.50   |
|                      |                         | 135     | 138       | 15.03   | 14.48                | 14.54   | 14.65   | 14.11   | 14.23   | 16.00   |
|                      |                         | 270     | 0         | 15.13   | 14.68                | 14.61   | 14.42   | 14.29   | 14.43   | 16.00   |
|                      | DFT-s-OFDM<br>QPSK      | 1       | 1         | 15.85   | 15.54                | 15.11   | 15.05   | 14.88   | 14.95   | 16.50   |
|                      |                         | 1       | 137       | 15.77   | 15.01                | 14.86   | 14.73   | 14.75   | 14.95   | 16.50   |
|                      |                         | 1       | 271       | 15.34   | 14.85                | 14.80   | 14.91   | 14.74   | 14.98   | 16.50   |
|                      |                         | 135     | 0         | 14.83   | 14.38                | 14.19   | 14.22   | 14.01   | 14.02   | 15.50   |
|                      |                         | 135     | 69        | 15.30   | 15.39                | 14.89   | 15.00   | 14.70   | 14.96   | 16.50   |
|                      |                         | 135     | 138       | 14.24   | 14.03                | 14.10   | 13.79   | 14.01   | 13.97   | 15.50   |
|                      |                         | 270     | 0         | 14.54   | 14.38                | 13.89   | 13.98   | 13.77   | 13.80   | 15.50   |
|                      | DFT-s-OFDM<br>16QAM     | 1       | 1         | 14.23   | 14.07                | 13.96   | 13.79   | 14.11   | 13.81   | 15.50   |
|                      | DFT-s-OFDM<br>64QAM     | 1       | 1         | 12.95   | 12.78                | 12.51   | 12.34   | 12.39   | 12.16   | 14.00   |
|                      | DFT-s-OFDM<br>256QAM    | 1       | 1         | 11.50   | 11.42                | 10.98   | 11.17   | 11.22   | 11.02   | 12.00   |
| Bandwidth            | Modulation              |         |           | Channel | Channel              | Channel | Channel | Channel | Channel | Tune up |



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|           |                 | RB size | RB offset | 650000  | 652400  | 654800  | 657200  | 659600  | 662000  |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|---------|---------|---------|
| 100MHz    | CP-OFDM QPSK    | 1       | 1         | 13.98   | 13.91   | 13.65   | 13.67   | 13.81   | 13.69   | 15.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Channel | Channel | Channel | Tune up |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 648000  | 651200  | 654400  | 657600  | 660800  | 664000  |         |
|           |                 |         |           |         |         |         |         |         |         |         |

| N78 ECI 4            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 18.61   | /       | 19.50   |
|                      |                      | 1       | 137       | /                    | 18.23   | /       | 19.50   |
|                      |                      | 1       | 271       | /                    | 18.74   | /       | 19.50   |
|                      |                      | 135     | 0         | /                    | 17.99   | /       | 19.00   |
|                      |                      | 135     | 69        | /                    | 18.47   | /       | 19.50   |
|                      |                      | 135     | 138       | /                    | 18.04   | /       | 19.00   |
|                      |                      | 270     | 0         | /                    | 18.04   | /       | 19.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 18.47   | /       | 19.50   |
|                      |                      | 1       | 137       | /                    | 18.37   | /       | 19.50   |
|                      |                      | 1       | 271       | /                    | 18.73   | /       | 19.50   |
|                      |                      | 135     | 0         | /                    | 17.46   | /       | 18.50   |
|                      |                      | 135     | 69        | /                    | 18.40   | /       | 19.50   |
|                      |                      | 135     | 138       | /                    | 17.50   | /       | 18.50   |
|                      |                      | 270     | 0         | /                    | 17.43   | /       | 18.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 17.20   | /       | 18.50   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 15.83   | /       | 17.00   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 14.22   | /       | 15.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         |                      | 17.09   |         | 18.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 633000               | 633334  | 633668  |         |
| 90MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 18.39                | 18.40   | 18.42   | 19.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 632668               | 633334  | 634000  |         |
| 80MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 18.38                | 18.30   | 18.32   | 19.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |



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|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
|           |                 |         |           | 632334  | 633334  | 634334  |         |
| 70MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.46   | 18.38   | 18.46   | 19.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 632000  | 633334  | 634668  |         |
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.42   | 18.32   | 18.33   | 19.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631668  | 633334  | 635000  |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.37   | 18.36   | 18.42   | 19.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.40   | 18.46   | 18.36   | 19.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631001  | 633334  | 635667  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.36   | 18.30   | 18.34   | 19.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630834  | 633334  | 635833  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.42   | 18.50   | 18.41   | 19.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630668  | 633334  | 636000  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.37   | 18.39   | 18.39   | 19.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630501  | 633334  | 636167  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.46   | 18.46   | 18.38   | 19.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630334  | 633334  | 636334  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.36   | 18.47   | 18.48   | 19.50   |

| N78 ECI 2            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 22.18   | /       | 23.00   |
|                      |                      | 1       | 137       | /                    | 21.82   | /       | 23.00   |
|                      |                      | 1       | 271       | /                    | 22.34   | /       | 23.00   |
|                      |                      | 135     | 0         | /                    | 21.55   | /       | 22.50   |
|                      |                      | 135     | 69        | /                    | 22.04   | /       | 23.00   |



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|           |                   |                 |           |           |         |         |         |
|-----------|-------------------|-----------------|-----------|-----------|---------|---------|---------|
|           | DFT-s-OFDM QPSK   | 135             | 138       | /         | 21.63   | /       | 22.50   |
|           |                   | 270             | 0         | /         | 21.63   | /       | 22.50   |
|           |                   | 1               | 1         | /         | 22.05   | /       | 23.00   |
|           |                   | 1               | 137       | /         | 21.96   | /       | 23.00   |
|           |                   | 1               | 271       | /         | 22.30   | /       | 23.00   |
|           |                   | 135             | 0         | /         | 21.07   | /       | 22.00   |
|           |                   | 135             | 69        | /         | 21.98   | /       | 23.00   |
|           |                   | 135             | 138       | /         | 21.05   | /       | 22.00   |
|           |                   | 270             | 0         | /         | 21.07   | /       | 22.00   |
|           | DFT-s-OFDM 16QAM  | 1               | 1         | /         | 20.80   | /       | 22.00   |
| Bandwidth | DFT-s-OFDM 64QAM  | 1               | 1         | /         | 19.47   | /       | 20.50   |
|           | DFT-s-OFDM 256QAM | 1               | 1         | /         | 17.79   | /       | 18.50   |
|           | Modulation        | RB size         | RB offset | Channel   | Channel | Channel | Tune up |
|           |                   |                 |           | /         | 633334  | /       |         |
|           | 100MHz            | CP-OFDM QPSK    | 1         | 1         | /       | 20.64   | 21.50   |
|           | Bandwidth         | Modulation      | RB size   | RB offset | Channel | Channel | Tune up |
|           |                   |                 |           | 633000    | 633334  | 633668  |         |
|           | 90MHz             | DFT-s-OFDM QPSK | 1         | 1         | 21.96   | 22.05   | 22.07   |
|           | Bandwidth         | Modulation      | RB size   | RB offset | Channel | Channel | Tune up |
|           |                   |                 |           | 632668    | 633334  | 634000  |         |
| Bandwidth | 80MHz             | DFT-s-OFDM QPSK | 1         | 1         | 21.96   | 21.89   | 21.93   |
|           | Bandwidth         | Modulation      | RB size   | RB offset | Channel | Channel | Tune up |
|           |                   |                 |           | 632334    | 633334  | 634334  |         |
|           | 70MHz             | DFT-s-OFDM QPSK | 1         | 1         | 22.06   | 22.02   | 22.04   |
|           | Bandwidth         | Modulation      | RB size   | RB offset | Channel | Channel | Tune up |
|           |                   |                 |           | 632000    | 633334  | 634668  |         |
|           | 60MHz             | DFT-s-OFDM QPSK | 1         | 1         | 21.99   | 21.97   | 21.98   |
|           | Bandwidth         | Modulation      | RB size   | RB offset | Channel | Channel | Tune up |
|           |                   |                 |           | 631668    | 633334  | 635000  |         |
|           | 50MHz             | DFT-s-OFDM QPSK | 1         | 1         | 21.95   | 21.96   | 21.97   |
| Bandwidth | 40MHz             | DFT-s-OFDM QPSK | 1         | 1         | 22.04   | 22.08   | 21.96   |
|           | Bandwidth         | Modulation      | RB size   | RB offset | Channel | Channel | Tune up |
|           |                   |                 |           | 631334    | 633334  | 635334  |         |
|           | 30MHz             | DFT-s-OFDM QPSK | 1         | 1         | 21.95   | 21.93   | 21.97   |
|           | Bandwidth         | Modulation      | RB size   | RB offset | Channel | Channel | Tune up |
|           |                   |                 |           | 631001    | 633334  | 635667  |         |
|           | Bandwidth         | Modulation      | RB size   | RB offset | Channel | Channel | Tune up |
|           |                   |                 |           | 630834    | 633334  | 635833  |         |



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|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.06   | 22.13   | 21.97   | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630668  | 633334  | 636000  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.94   | 21.98   | 21.98   | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630501  | 633334  | 636167  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 22.05   | 22.01   | 21.93   | 23.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630334  | 633334  | 636334  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 21.95   | 22.05   | 22.10   | 23.00   |

| N78 ECI 3            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 10.24   | /       | 11.00   |
|                      |                      | 1       | 137       | /                    | 9.86    | /       | 11.00   |
|                      |                      | 1       | 271       | /                    | 10.37   | /       | 11.00   |
|                      |                      | 135     | 0         | /                    | 9.59    | /       | 10.50   |
|                      |                      | 135     | 69        | /                    | 10.03   | /       | 11.00   |
|                      |                      | 135     | 138       | /                    | 9.67    | /       | 10.50   |
|                      |                      | 270     | 0         | /                    | 9.68    | /       | 10.50   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 10.07   | /       | 11.00   |
|                      |                      | 1       | 137       | /                    | 9.98    | /       | 11.00   |
|                      |                      | 1       | 271       | /                    | 10.34   | /       | 11.00   |
|                      |                      | 135     | 0         | /                    | 9.01    | /       | 10.00   |
|                      |                      | 135     | 69        | /                    | 9.97    | /       | 11.00   |
|                      |                      | 135     | 138       | /                    | 9.08    | /       | 10.00   |
|                      |                      | 270     | 0         | /                    | 9.01    | /       | 10.00   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 8.82    | /       | 10.00   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 7.40    | /       | 8.50    |
| DFT-s-OFDM 256QAM    | 1                    | 1       | /         | 5.86                 | /       | 6.50    |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 8.67    | /       | 9.50    |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 633000               | 633334  | 633668  |         |
| 90MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 9.99                 | 9.95    | 10.07   | 11.00   |



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| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
|           |                 |         |           | 632668  | 633334  | 634000  |         |
| 80MHz     | DFT-s-OFDM QPSK | 1       | 1         | 9.97    | 9.87    | 9.89    | 11.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 632334  | 633334  | 634334  |         |
| 70MHz     | DFT-s-OFDM QPSK | 1       | 1         | 10.09   | 9.94    | 10.03   | 11.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 632000  | 633334  | 634668  |         |
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | 9.99    | 9.97    | 9.92    | 11.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631668  | 633334  | 635000  |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 10.00   | 9.95    | 10.06   | 11.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 10.00   | 10.06   | 9.98    | 11.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631001  | 633334  | 635667  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 9.95    | 9.88    | 9.91    | 11.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630834  | 633334  | 635833  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 10.05   | 10.13   | 10.03   | 11.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630668  | 633334  | 636000  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 9.93    | 9.98    | 10.01   | 11.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630501  | 633334  | 636167  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 10.03   | 10.03   | 10.00   | 11.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630334  | 633334  | 636334  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 9.93    | 10.06   | 10.05   | 11.00   |



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| N78 ECI 7            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 8.72    | /       | 9.50    |
|                      |                      | 1       | 137       | /                    | 8.29    | /       | 9.50    |
|                      |                      | 1       | 271       | /                    | 8.86    | /       | 9.50    |
|                      |                      | 135     | 0         | /                    | 8.10    | /       | 9.00    |
|                      |                      | 135     | 69        | /                    | 8.53    | /       | 9.50    |
|                      |                      | 135     | 138       | /                    | 8.14    | /       | 9.00    |
|                      |                      | 270     | 0         | /                    | 8.10    | /       | 9.00    |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 8.57    | /       | 9.50    |
|                      |                      | 1       | 137       | /                    | 8.50    | /       | 9.50    |
|                      |                      | 1       | 271       | /                    | 8.88    | /       | 9.50    |
|                      |                      | 135     | 0         | /                    | 7.51    | /       | 8.50    |
|                      |                      | 135     | 69        | /                    | 8.47    | /       | 9.50    |
|                      |                      | 135     | 138       | /                    | 7.65    | /       | 8.50    |
|                      |                      | 270     | 0         | /                    | 7.48    | /       | 8.50    |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 7.28    | /       | 8.50    |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 5.92    | /       | 7.00    |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 4.27    | /       | 5.00    |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 7.22    | /       | 8.00    |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 633000               | 633334  | 633668  |         |
| 90MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 8.54                 | 8.47    | 8.56    | 9.50    |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 632668               | 633334  | 634000  |         |
| 80MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 8.43                 | 8.36    | 8.42    | 9.50    |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 632334               | 633334  | 634334  |         |
| 70MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 8.61                 | 8.53    | 8.51    | 9.50    |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 632000               | 633334  | 634668  |         |
| 60MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 8.48                 | 8.40    | 8.46    | 9.50    |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |



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|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
|           |                 |         |           | 631668  | 633334  | 635000  |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 8.44    | 8.50    | 8.47    | 9.50    |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 8.48    | 8.51    | 8.51    | 9.50    |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 631001  | 633334  | 635667  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 8.47    | 8.45    | 8.46    | 9.50    |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630834  | 633334  | 635833  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 8.47    | 8.62    | 8.55    | 9.50    |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630668  | 633334  | 636000  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 8.42    | 8.53    | 8.53    | 9.50    |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630501  | 633334  | 636167  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 8.55    | 8.51    | 8.53    | 9.50    |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630334  | 633334  | 636334  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 8.51    | 8.61    | 8.56    | 9.50    |

| N78 ECI 6            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3450~3550) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 633334  | /       |         |
|                      |                      |         |           | /                    | 3500.01 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 15.65   | /       | 16.50   |
|                      |                      | 1       | 137       | /                    | 15.27   | /       | 16.50   |
|                      |                      | 1       | 271       | /                    | 15.82   | /       | 16.50   |
|                      |                      | 135     | 0         | /                    | 15.22   | /       | 16.00   |
|                      |                      | 135     | 69        | /                    | 15.43   | /       | 16.50   |
|                      |                      | 135     | 138       | /                    | 15.23   | /       | 16.00   |
|                      |                      | 270     | 0         | /                    | 15.23   | /       | 16.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 15.61   | /       | 16.50   |
|                      |                      | 1       | 137       | /                    | 15.30   | /       | 16.50   |
|                      |                      | 1       | 271       | /                    | 16.01   | /       | 16.50   |
|                      |                      | 135     | 0         | /                    | 14.53   | /       | 15.50   |
|                      |                      | 135     | 69        | /                    | 15.31   | /       | 16.50   |
|                      |                      | 135     | 138       | /                    | 14.74   | /       | 15.50   |



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|           |                   |         |           |         |         |         |         |
|-----------|-------------------|---------|-----------|---------|---------|---------|---------|
|           |                   | 270     | 0         | /       | 14.63   | /       | 15.50   |
|           | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 14.13   | /       | 15.50   |
|           | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 12.89   | /       | 14.00   |
|           | DFT-s-OFDM 256QAM | 1       | 1         | /       | 11.25   | /       | 12.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | /       | 633334  | /       |         |
| 100MHz    | CP-OFDM QPSK      | 1       | 1         | /       | 14.13   | /       | 15.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 633000  | 633334  | 633668  |         |
| 90MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 15.36   | 15.61   | 15.54   | 16.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 632668  | 633334  | 634000  |         |
| 80MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 15.45   | 15.41   | 15.47   | 16.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 632334  | 633334  | 634334  |         |
| 70MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 15.48   | 15.42   | 15.47   | 16.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 632000  | 633334  | 634668  |         |
| 60MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 15.68   | 15.55   | 15.30   | 16.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 631668  | 633334  | 635000  |         |
| 50MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 15.59   | 15.37   | 15.35   | 16.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 631334  | 633334  | 635334  |         |
| 40MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 15.32   | 15.53   | 15.65   | 16.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 631001  | 633334  | 635667  |         |
| 30MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 15.37   | 15.48   | 15.56   | 16.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 630834  | 633334  | 635833  |         |
| 25MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 15.44   | 15.67   | 15.62   | 16.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 630668  | 633334  | 636000  |         |



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|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.32   | 15.45   | 15.73   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630501  | 633334  | 636167  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.57   | 15.45   | 15.63   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 630334  | 633334  | 636334  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.56   | 15.78   | 15.43   | 16.50   |

| N78 ECI 4            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3700~3800) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
|                      |                      |         |           | /                    | 3750.00 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 18.83   | /       | 19.50   |
|                      |                      | 1       | 137       | /                    | 18.44   | /       | 19.50   |
|                      |                      | 1       | 271       | /                    | 18.38   | /       | 19.50   |
|                      |                      | 135     | 0         | /                    | 18.08   | /       | 19.00   |
|                      |                      | 135     | 69        | /                    | 18.62   | /       | 19.50   |
|                      |                      | 135     | 138       | /                    | 17.77   | /       | 19.00   |
|                      |                      | 270     | 0         | /                    | 18.04   | /       | 19.00   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 18.81   | /       | 19.50   |
|                      |                      | 1       | 137       | /                    | 18.50   | /       | 19.50   |
|                      |                      | 1       | 271       | /                    | 18.34   | /       | 19.50   |
|                      |                      | 135     | 0         | /                    | 17.80   | /       | 18.50   |
|                      |                      | 135     | 69        | /                    | 18.62   | /       | 19.50   |
|                      |                      | 135     | 138       | /                    | 17.38   | /       | 18.50   |
|                      |                      | 270     | 0         | /                    | 17.54   | /       | 18.50   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 17.57   | /       | 18.50   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 16.10   | /       | 17.00   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 14.23   | /       | 15.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 17.43   | /       | 18.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649668               | 650000  | 650334  |         |
| 90MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 18.69                | 18.78   | 18.89   | 19.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649334               | 650000  | 650668  |         |



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|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 80MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.65   | 18.71   | 18.94   | 19.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 649000  | 650000  | 651000  |         |
| 70MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.79   | 18.79   | 18.95   | 19.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 648668  | 650000  | 651334  |         |
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.63   | 18.86   | 18.94   | 19.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 648334  | 650000  | 651668  |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.72   | 18.87   | 18.80   | 19.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 648000  | 650000  | 652000  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.64   | 18.68   | 18.93   | 19.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647668  | 650000  | 652334  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.63   | 18.74   | 18.80   | 19.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647501  | 650000  | 652501  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.68   | 18.84   | 18.84   | 19.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647334  | 650000  | 652668  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.72   | 18.81   | 18.90   | 19.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647167  | 650000  | 652835  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.75   | 18.72   | 18.91   | 19.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647000  | 650000  | 653002  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 18.60   | 18.86   | 18.89   | 19.50   |



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| N78 ECI 2            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3700~3800) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
|                      |                      |         |           | /                    | 3750.00 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 22.41   | /       | 23.00   |
|                      |                      | 1       | 137       | /                    | 22.08   | /       | 23.00   |
|                      |                      | 1       | 271       | /                    | 22.03   | /       | 23.00   |
|                      |                      | 135     | 0         | /                    | 21.63   | /       | 22.50   |
|                      |                      | 135     | 69        | /                    | 22.19   | /       | 23.00   |
|                      |                      | 135     | 138       | /                    | 21.37   | /       | 22.50   |
|                      |                      | 270     | 0         | /                    | 21.64   | /       | 22.50   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 22.44   | /       | 23.00   |
|                      |                      | 1       | 137       | /                    | 22.06   | /       | 23.00   |
|                      |                      | 1       | 271       | /                    | 21.97   | /       | 23.00   |
|                      |                      | 135     | 0         | /                    | 21.45   | /       | 22.00   |
|                      |                      | 135     | 69        | /                    | 22.25   | /       | 23.00   |
|                      |                      | 135     | 138       | /                    | 20.95   | /       | 22.00   |
|                      |                      | 270     | 0         | /                    | 21.18   | /       | 22.00   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 21.19   | /       | 22.00   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 19.73   | /       | 20.50   |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 17.88   | /       | 18.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 21.02   | /       | 21.50   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649668               | 650000  | 650334  |         |
| 90MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 22.29                | 22.39   | 22.49   | 23.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649334               | 650000  | 650668  |         |
| 80MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 22.26                | 22.27   | 22.50   | 23.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649000               | 650000  | 651000  |         |
| 70MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 22.37                | 22.41   | 22.58   | 23.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 648668               | 650000  | 651334  |         |
| 60MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 22.20                | 22.41   | 22.55   | 23.00   |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 648334               | 650000  | 651668  |         |
| 50MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 22.33                | 22.47   | 22.45   | 23.00   |



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| Bandwidth | Modulation         | RB size | RB offset | Channel<br>648000 | Channel<br>650000 | Channel<br>652000 | Tune up |
|-----------|--------------------|---------|-----------|-------------------|-------------------|-------------------|---------|
| 40MHz     | DFT-s-OFDM<br>QPSK | 1       | 1         | 22.19             | 22.27             | 22.53             | 23.00   |
| Bandwidth | Modulation         | RB size | RB offset | Channel<br>647668 | Channel<br>650000 | Channel<br>652334 | Tune up |
| 30MHz     | DFT-s-OFDM<br>QPSK | 1       | 1         | 22.28             | 22.38             | 22.35             | 23.00   |
| Bandwidth | Modulation         | RB size | RB offset | Channel<br>647501 | Channel<br>650000 | Channel<br>652501 | Tune up |
| 25MHz     | DFT-s-OFDM<br>QPSK | 1       | 1         | 22.25             | 22.40             | 22.48             | 23.00   |
| Bandwidth | Modulation         | RB size | RB offset | Channel<br>647334 | Channel<br>650000 | Channel<br>652668 | Tune up |
| 20MHz     | DFT-s-OFDM<br>QPSK | 1       | 1         | 22.34             | 22.37             | 22.53             | 23.00   |
| Bandwidth | Modulation         | RB size | RB offset | Channel<br>647167 | Channel<br>650000 | Channel<br>652835 | Tune up |
| 15MHz     | DFT-s-OFDM<br>QPSK | 1       | 1         | 22.33             | 22.30             | 22.52             | 23.00   |
| Bandwidth | Modulation         | RB size | RB offset | Channel<br>647000 | Channel<br>650000 | Channel<br>653002 | Tune up |
| 10MHz     | DFT-s-OFDM<br>QPSK | 1       | 1         | 22.17             | 22.46             | 22.49             | 23.00   |

| N78 ECI 3            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3700~3800) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
|                      |                      |         |           | /                    | 3750.00 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 10.43   | /       | 11.00   |
|                      |                      | 1       | 137       | /                    | 10.02   | /       | 11.00   |
|                      |                      | 1       | 271       | /                    | 10.03   | /       | 11.00   |
|                      |                      | 135     | 0         | /                    | 9.64    | /       | 10.50   |
|                      |                      | 135     | 69        | /                    | 10.26   | /       | 11.00   |
|                      |                      | 135     | 138       | /                    | 9.38    | /       | 10.50   |
|                      |                      | 270     | 0         | /                    | 9.62    | /       | 10.50   |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 10.42   | /       | 11.00   |
|                      |                      | 1       | 137       | /                    | 10.13   | /       | 11.00   |
|                      |                      | 1       | 271       | /                    | 9.89    | /       | 11.00   |
|                      |                      | 135     | 0         | /                    | 9.40    | /       | 10.00   |
|                      |                      | 135     | 69        | /                    | 10.25   | /       | 11.00   |
|                      |                      | 135     | 138       | /                    | 9.03    | /       | 10.00   |
|                      |                      | 270     | 0         | /                    | 9.18    | /       | 10.00   |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 9.21    | /       | 10.00   |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 7.68    | /       | 8.50    |



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|           |                      |         |           |         |         |         |         |
|-----------|----------------------|---------|-----------|---------|---------|---------|---------|
|           | DFT-s-OFDM<br>256QAM | 1       | 1         | /       | 5.80    | /       | 6.50    |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | /       | 650000  | /       |         |
| 100MHz    | CP-OFDM<br>QPSK      | 1       | 1         | /       | 9.02    | /       | 9.50    |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 649668  | 650000  | 650334  |         |
| 90MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 10.30   | 10.40   | 10.48   | 11.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 649334  | 650000  | 650668  |         |
| 80MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 10.29   | 10.31   | 10.55   | 11.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 649000  | 650000  | 651000  |         |
| 70MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 10.40   | 10.44   | 10.54   | 11.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 648668  | 650000  | 651334  |         |
| 60MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 10.27   | 10.45   | 10.53   | 11.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 648334  | 650000  | 651668  |         |
| 50MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 10.35   | 10.43   | 10.37   | 11.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 648000  | 650000  | 652000  |         |
| 40MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 10.23   | 10.23   | 10.51   | 11.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 647668  | 650000  | 652334  |         |
| 30MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 10.26   | 10.30   | 10.39   | 11.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 647501  | 650000  | 652501  |         |
| 25MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 10.25   | 10.47   | 10.44   | 11.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 647334  | 650000  | 652668  |         |
| 20MHz     | DFT-s-OFDM<br>QPSK   | 1       | 1         | 10.33   | 10.39   | 10.49   | 11.00   |
| Bandwidth | Modulation           | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                      |         |           | 647167  | 650000  | 652835  |         |



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|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 10.33   | 10.32   | 10.54   | 11.00   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647000  | 650000  | 653002  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 10.22   | 10.41   | 10.52   | 11.00   |

| N78 ECI 7            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3700~3800) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
|                      |                      |         |           | /                    | 3750.00 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 8.94    | /       | 9.50    |
|                      |                      | 1       | 137       | /                    | 8.52    | /       | 9.50    |
|                      |                      | 1       | 271       | /                    | 8.45    | /       | 9.50    |
|                      |                      | 135     | 0         | /                    | 8.19    | /       | 9.00    |
|                      |                      | 135     | 69        | /                    | 8.68    | /       | 9.50    |
|                      |                      | 135     | 138       | /                    | 7.89    | /       | 9.00    |
|                      |                      | 270     | 0         | /                    | 8.11    | /       | 9.00    |
|                      | DFT-s-OFDM QPSK      | 1       | 1         | /                    | 8.90    | /       | 9.50    |
|                      |                      | 1       | 137       | /                    | 8.56    | /       | 9.50    |
|                      |                      | 1       | 271       | /                    | 8.49    | /       | 9.50    |
|                      |                      | 135     | 0         | /                    | 7.85    | /       | 8.50    |
|                      |                      | 135     | 69        | /                    | 8.69    | /       | 9.50    |
|                      |                      | 135     | 138       | /                    | 7.46    | /       | 8.50    |
|                      |                      | 270     | 0         | /                    | 7.62    | /       | 8.50    |
|                      | DFT-s-OFDM 16QAM     | 1       | 1         | /                    | 7.63    | /       | 8.50    |
|                      | DFT-s-OFDM 64QAM     | 1       | 1         | /                    | 6.18    | /       | 7.00    |
|                      | DFT-s-OFDM 256QAM    | 1       | 1         | /                    | 4.38    | /       | 5.00    |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
| 100MHz               | CP-OFDM QPSK         | 1       | 1         | /                    | 7.57    | /       | 8.00    |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649668               | 650000  | 650334  |         |
| 90MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 8.74                 | 8.89    | 8.99    | 9.50    |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649334               | 650000  | 650668  |         |
| 80MHz                | DFT-s-OFDM QPSK      | 1       | 1         | 8.78                 | 8.84    | 9.06    | 9.50    |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | 649000               | 650000  | 651000  |         |



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|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 70MHz     | DFT-s-OFDM QPSK | 1       | 1         | 8.88    | 8.94    | 9.09    | 9.50    |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 648668  | 650000  | 651334  |         |
| 60MHz     | DFT-s-OFDM QPSK | 1       | 1         | 8.68    | 8.99    | 9.07    | 9.50    |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 648334  | 650000  | 651668  |         |
| 50MHz     | DFT-s-OFDM QPSK | 1       | 1         | 8.83    | 9.01    | 8.91    | 9.50    |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 648000  | 650000  | 652000  |         |
| 40MHz     | DFT-s-OFDM QPSK | 1       | 1         | 8.69    | 8.77    | 9.05    | 9.50    |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647668  | 650000  | 652334  |         |
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 8.74    | 8.81    | 8.95    | 9.50    |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647501  | 650000  | 652501  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 8.78    | 8.91    | 8.95    | 9.50    |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647334  | 650000  | 652668  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 8.82    | 8.88    | 8.98    | 9.50    |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647167  | 650000  | 652835  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 8.90    | 8.86    | 9.00    | 9.50    |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647000  | 650000  | 653002  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 8.71    | 8.96    | 9.01    | 9.50    |

| N78 ECI 6            |                      |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|----------------------|---------|-----------|----------------------|---------|---------|---------|
| SCS 30kHz(3700~3800) |                      |         |           |                      |         |         |         |
| Bandwidth            | Modulation           | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |                      |         |           | /                    | 650000  | /       |         |
|                      |                      |         |           | /                    | 3750.00 | /       |         |
| 100MHz               | DFT-s-OFDM PI/2 BPSK | 1       | 1         | /                    | 15.92   | /       | 16.50   |
|                      |                      | 1       | 137       | /                    | 15.36   | /       | 16.50   |
|                      |                      | 1       | 271       | /                    | 15.65   | /       | 16.50   |
|                      |                      | 135     | 0         | /                    | 15.23   | /       | 16.00   |
|                      |                      | 135     | 69        | /                    | 15.65   | /       | 16.50   |



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|           |                   |         |           |         |         |         |         |
|-----------|-------------------|---------|-----------|---------|---------|---------|---------|
|           |                   | 135     | 138       | /       | 14.79   | /       | 16.00   |
|           |                   | 270     | 0         | /       | 14.96   | /       | 16.00   |
|           | DFT-s-OFDM QPSK   | 1       | 1         | /       | 15.93   | /       | 16.50   |
|           |                   | 1       | 137       | /       | 15.50   | /       | 16.50   |
|           |                   | 1       | 271       | /       | 15.63   | /       | 16.50   |
|           |                   | 135     | 0         | /       | 14.87   | /       | 15.50   |
|           |                   | 135     | 69        | /       | 15.73   | /       | 16.50   |
|           |                   | 135     | 138       | /       | 14.41   | /       | 15.50   |
|           |                   | 270     | 0         | /       | 14.56   | /       | 15.50   |
|           | DFT-s-OFDM 16QAM  | 1       | 1         | /       | 14.46   | /       | 15.50   |
|           | DFT-s-OFDM 64QAM  | 1       | 1         | /       | 13.08   | /       | 14.00   |
|           | DFT-s-OFDM 256QAM | 1       | 1         | /       | 11.25   | /       | 12.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | /       | 650000  | /       |         |
| 100MHz    | CP-OFDM QPSK      | 1       | 1         | /       | 14.55   | /       | 15.00   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 649668  | 650000  | 650334  |         |
| 90MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 15.70   | 15.99   | 16.16   | 16.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 649334  | 650000  | 650668  |         |
| 80MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 15.69   | 15.87   | 15.95   | 16.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 649000  | 650000  | 651000  |         |
| 70MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 16.01   | 16.06   | 16.20   | 16.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 648668  | 650000  | 651334  |         |
| 60MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 15.58   | 15.92   | 16.01   | 16.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 648334  | 650000  | 651668  |         |
| 50MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 15.87   | 16.13   | 15.74   | 16.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 648000  | 650000  | 652000  |         |
| 40MHz     | DFT-s-OFDM QPSK   | 1       | 1         | 15.59   | 15.66   | 15.90   | 16.50   |
| Bandwidth | Modulation        | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                   |         |           | 647668  | 650000  | 652334  |         |



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|           |                 |         |           |         |         |         |         |
|-----------|-----------------|---------|-----------|---------|---------|---------|---------|
| 30MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.57   | 15.95   | 15.94   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647501  | 650000  | 652501  |         |
| 25MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.98   | 16.00   | 15.93   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647334  | 650000  | 652668  |         |
| 20MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.91   | 15.69   | 15.84   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647167  | 650000  | 652835  |         |
| 15MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.85   | 15.80   | 15.80   | 16.50   |
| Bandwidth | Modulation      | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |                 |         |           | 647000  | 650000  | 653002  |         |
| 10MHz     | DFT-s-OFDM QPSK | 1       | 1         | 15.78   | 16.04   | 16.03   | 16.50   |



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## 12 Conducted Power of WIFI and Bluetooth

### 12.1 Conducted Power of 2.4G WIFI

| WIFI 2.4G Ant 6 Sensor off |         |                |                 |                     |         |
|----------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                       | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                    | 1       | 2412           | 1               | 22.94               | 24.00   |
|                            | 6       | 2437           |                 | 22.85               | 24.00   |
|                            | 11      | 2462           |                 | 22.81               | 24.00   |
| 802.11g                    | 1       | 2412           | 6               | 19.32               | 20.50   |
|                            | 6       | 2437           |                 | 21.09               | 22.00   |
|                            | 11      | 2462           |                 | 19.46               | 20.50   |
| 802.11n HT20               | 1       | 2412           | 6.5             | 19.21               | 20.00   |
|                            | 6       | 2437           |                 | 20.85               | 21.50   |
|                            | 11      | 2462           |                 | 18.74               | 19.50   |
| 802.11n HT40               | 3       | 2422           | 13.5            | 19.10               | 20.00   |
|                            | 6       | 2437           |                 | 20.88               | 22.00   |
|                            | 8       | 2447           |                 | 18.88               | 19.50   |
|                            | 9       | 2452           |                 | 15.93               | 17.00   |
| 802.11ax HE20              | 1       | 2412           | MCS0            | 19.47               | 20.50   |
|                            | 6       | 2437           |                 | 20.91               | 22.00   |
|                            | 11      | 2462           |                 | 18.79               | 19.50   |
| 802.11ax HE40              | 3       | 2422           | MCS0            | 19.13               | 20.00   |
|                            | 6       | 2437           |                 | 21.03               | 22.00   |
|                            | 8       | 2447           |                 | 18.98               | 20.00   |
|                            | 9       | 2452           |                 | 15.94               | 17.00   |

| WIFI 2.4G Ant 3 Sensor off |         |                |                 |                     |         |
|----------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                       | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                    | 1       | 2412           | 1               | 22.78               | 24.00   |
|                            | 6       | 2437           |                 | 22.69               | 24.00   |
|                            | 11      | 2462           |                 | 22.74               | 24.00   |
| 802.11g                    | 1       | 2412           | 6               | 19.21               | 20.50   |
|                            | 6       | 2437           |                 | 21.32               | 22.00   |
|                            | 11      | 2462           |                 | 19.21               | 20.50   |
| 802.11n HT20               | 1       | 2412           | 6.5             | 19.51               | 20.00   |
|                            | 6       | 2437           |                 | 20.80               | 21.50   |
|                            | 11      | 2462           |                 | 18.67               | 19.50   |
| 802.11n HT40               | 3       | 2422           | 13.5            | 19.21               | 20.00   |
|                            | 6       | 2437           |                 | 21.21               | 22.00   |



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|                  |    |      |      |       |       |
|------------------|----|------|------|-------|-------|
|                  | 8  | 2447 |      | 18.75 | 19.50 |
|                  | 9  | 2452 |      | 15.74 | 17.00 |
| 802.11ax<br>HE20 | 1  | 2412 | MCS0 | 19.53 | 20.50 |
|                  | 6  | 2437 |      | 20.85 | 22.00 |
|                  | 11 | 2462 |      | 18.74 | 19.50 |
| 802.11ax<br>HE40 | 3  | 2422 | MCS0 | 19.26 | 20.00 |
|                  | 6  | 2437 |      | 21.32 | 22.00 |
|                  | 8  | 2447 |      | 18.65 | 20.00 |
|                  | 9  | 2452 |      | 15.88 | 17.00 |

| WIFI 2.4G MIMO Sensor off |         |                |                 |                     |                     |                     |         |
|---------------------------|---------|----------------|-----------------|---------------------|---------------------|---------------------|---------|
| Mode                      | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11b                   | 1       | 2412           | 1               | 22.94               | 22.78               | <b>25.87</b>        | 27.00   |
|                           | 6       | 2437           |                 | 22.85               | 22.69               | <b>25.78</b>        | 27.00   |
|                           | 11      | 2462           |                 | 22.81               | 22.74               | <b>25.79</b>        | 27.00   |
| 802.11g                   | 1       | 2412           | 6               | 19.32               | 19.21               | <b>22.28</b>        | 23.50   |
|                           | 6       | 2437           |                 | 21.09               | 21.32               | <b>24.22</b>        | 25.00   |
|                           | 11      | 2462           |                 | 19.46               | 19.21               | <b>22.35</b>        | 23.50   |
| 802.11n<br>HT20           | 1       | 2412           | 6.5             | 19.21               | 19.51               | <b>22.37</b>        | 23.00   |
|                           | 6       | 2437           |                 | 20.85               | 20.80               | <b>23.84</b>        | 24.50   |
|                           | 11      | 2462           |                 | 18.74               | 18.67               | <b>21.72</b>        | 22.50   |
| 802.11n<br>HT40           | 3       | 2422           | 13.5            | 19.10               | 19.21               | <b>22.17</b>        | 23.00   |
|                           | 6       | 2437           |                 | 20.88               | 21.21               | <b>24.06</b>        | 25.00   |
|                           | 8       | 2447           |                 | 18.88               | 18.75               | <b>21.83</b>        | 22.50   |
|                           | 9       | 2452           |                 | 15.93               | 15.74               | <b>18.85</b>        | 20.00   |
| 802.11ax<br>HE20          | 1       | 2412           | MCS0            | 19.47               | 19.53               | <b>22.51</b>        | 23.50   |
|                           | 6       | 2437           |                 | 20.91               | 20.85               | <b>23.89</b>        | 25.00   |
|                           | 11      | 2462           |                 | 18.79               | 18.74               | <b>21.78</b>        | 22.50   |
| 802.11ax<br>HE40          | 3       | 2422           | MCS0            | 19.13               | 19.26               | <b>22.21</b>        | 23.00   |
|                           | 6       | 2437           |                 | 21.03               | 21.32               | <b>24.19</b>        | 25.00   |
|                           | 8       | 2447           |                 | 18.98               | 18.65               | <b>21.83</b>        | 23.00   |
|                           | 9       | 2452           |                 | 15.94               | 15.88               | <b>18.92</b>        | 20.00   |

| WIFI 2.4G Ant 6 Head |         |                |                 |                     |         |
|----------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                 | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b              | 1       | 2412           | 1               | 20.05               | 21.00   |
|                      | 6       | 2437           |                 | 20.05               | 21.00   |
|                      | 11      | 2462           |                 | 19.81               | 21.00   |



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|                  |    |      |      |       |       |
|------------------|----|------|------|-------|-------|
| 802.11g          | 1  | 2412 | 6    | 16.48 | 17.50 |
|                  | 6  | 2437 |      | 18.29 | 19.00 |
|                  | 11 | 2462 |      | 16.67 | 17.50 |
| 802.11n<br>HT20  | 1  | 2412 | 6.5  | 16.32 | 17.00 |
|                  | 6  | 2437 |      | 18.08 | 18.50 |
|                  | 11 | 2462 |      | 15.94 | 16.50 |
| 802.11n<br>HT40  | 3  | 2422 | 13.5 | 16.30 | 17.00 |
|                  | 6  | 2437 |      | 18.12 | 19.00 |
|                  | 8  | 2447 |      | 16.03 | 16.50 |
|                  | 9  | 2452 |      | 12.94 | 14.00 |
| 802.11ax<br>HE20 | 1  | 2412 | MCS0 | 16.65 | 17.50 |
|                  | 6  | 2437 |      | 18.12 | 19.00 |
|                  | 11 | 2462 |      | 15.87 | 16.50 |
| 802.11ax<br>HE40 | 3  | 2422 | MCS0 | 16.34 | 17.00 |
|                  | 6  | 2437 |      | 18.19 | 19.00 |
|                  | 8  | 2447 |      | 16.02 | 17.00 |
|                  | 9  | 2452 |      | 13.17 | 14.00 |

| WIFI 2.4G Ant 3 Head |         |                |                 |                     |         |
|----------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                 | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b              | 1       | 2412           | 1               | 19.96               | 21.00   |
|                      | 6       | 2437           |                 | 19.82               | 21.00   |
|                      | 11      | 2462           |                 | 19.98               | 21.00   |
| 802.11g              | 1       | 2412           | 6               | 16.43               | 17.50   |
|                      | 6       | 2437           |                 | 18.34               | 19.00   |
|                      | 11      | 2462           |                 | 16.35               | 17.50   |
| 802.11n<br>HT20      | 1       | 2412           | 6.5             | 16.58               | 17.00   |
|                      | 6       | 2437           |                 | 17.90               | 18.50   |
|                      | 11      | 2462           |                 | 15.76               | 16.50   |
| 802.11n<br>HT40      | 3       | 2422           | 13.5            | 16.45               | 17.00   |
|                      | 6       | 2437           |                 | 18.37               | 19.00   |
|                      | 8       | 2447           |                 | 15.87               | 16.50   |
|                      | 9       | 2452           |                 | 12.97               | 14.00   |
| 802.11ax<br>HE20     | 1       | 2412           | MCS0            | 16.62               | 17.50   |
|                      | 6       | 2437           |                 | 17.97               | 19.00   |
|                      | 11      | 2462           |                 | 15.82               | 16.50   |
| 802.11ax<br>HE40     | 3       | 2422           | MCS0            | 16.42               | 17.00   |
|                      | 6       | 2437           |                 | 18.48               | 19.00   |
|                      | 8       | 2447           |                 | 15.65               | 17.00   |
|                      | 9       | 2452           |                 | 12.97               | 14.00   |



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| WIFI 2.4G MIMO Head |         |                |                 |                     |                     |                     |         |
|---------------------|---------|----------------|-----------------|---------------------|---------------------|---------------------|---------|
| Mode                | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11b             | 1       | 2412           | 1               | 20.05               | 19.96               | <b>23.02</b>        | 24.00   |
|                     | 6       | 2437           |                 | 20.05               | 19.82               | <b>22.95</b>        | 24.00   |
|                     | 11      | 2462           |                 | 19.81               | 19.98               | <b>22.91</b>        | 24.00   |
| 802.11g             | 1       | 2412           | 6               | 16.48               | 16.43               | <b>19.47</b>        | 20.50   |
|                     | 6       | 2437           |                 | 18.29               | 18.34               | <b>21.33</b>        | 22.00   |
|                     | 11      | 2462           |                 | 16.67               | 16.35               | <b>19.52</b>        | 20.50   |
| 802.11n HT20        | 1       | 2412           | 6.5             | 16.32               | 16.58               | <b>19.46</b>        | 20.00   |
|                     | 6       | 2437           |                 | 18.08               | 17.90               | <b>21.00</b>        | 21.50   |
|                     | 11      | 2462           |                 | 15.94               | 15.76               | <b>18.86</b>        | 19.50   |
| 802.11n HT40        | 3       | 2422           | 13.5            | 16.30               | 16.45               | <b>19.39</b>        | 20.00   |
|                     | 6       | 2437           |                 | 18.12               | 18.37               | <b>21.26</b>        | 22.00   |
|                     | 8       | 2447           |                 | 16.03               | 15.87               | <b>18.96</b>        | 19.50   |
|                     | 9       | 2452           |                 | 12.94               | 12.97               | <b>15.97</b>        | 17.00   |
| 802.11ax HE20       | 1       | 2412           | MCS0            | 16.65               | 16.62               | <b>19.65</b>        | 20.50   |
|                     | 6       | 2437           |                 | 18.12               | 17.97               | <b>21.06</b>        | 22.00   |
|                     | 11      | 2462           |                 | 15.87               | 15.82               | <b>18.86</b>        | 19.50   |
| 802.11ax HE40       | 3       | 2422           | MCS0            | 16.34               | 16.42               | <b>19.39</b>        | 20.00   |
|                     | 6       | 2437           |                 | 18.19               | 18.48               | <b>21.35</b>        | 22.00   |
|                     | 8       | 2447           |                 | 16.02               | 15.65               | <b>18.85</b>        | 20.00   |
|                     | 9       | 2452           |                 | 13.17               | 12.97               | <b>16.08</b>        | 17.00   |

| WIFI 2.4G Ant 6 Body worn |         |                |                 |                     |         |
|---------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                      | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                   | 1       | 2412           | 1               | 19.11               | 20.00   |
|                           | 6       | 2437           |                 | 18.87               | 20.00   |
|                           | 11      | 2462           |                 | 18.96               | 20.00   |
| 802.11g                   | 1       | 2412           | 6               | 15.35               | 16.50   |
|                           | 6       | 2437           |                 | 17.22               | 18.00   |
|                           | 11      | 2462           |                 | 15.51               | 16.50   |
| 802.11n HT20              | 1       | 2412           | 6.5             | 15.36               | 16.00   |
|                           | 6       | 2437           |                 | 17.02               | 17.50   |
|                           | 11      | 2462           |                 | 14.88               | 15.50   |
| 802.11n HT40              | 3       | 2422           | 13.5            | 15.17               | 16.00   |
|                           | 6       | 2437           |                 | 16.99               | 18.00   |
|                           | 8       | 2447           |                 | 14.93               | 15.50   |
|                           | 9       | 2452           |                 | 11.94               | 13.00   |



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|------------------|----|------|------|-------|-------|
| 802.11ax<br>HE20 | 1  | 2412 | MCS0 | 15.61 | 16.50 |
|                  | 6  | 2437 |      | 17.01 | 18.00 |
|                  | 11 | 2462 |      | 14.93 | 15.50 |
| 802.11ax<br>HE40 | 3  | 2422 | MCS0 | 15.36 | 16.00 |
|                  | 6  | 2437 |      | 17.24 | 18.00 |
|                  | 8  | 2447 |      | 15.16 | 16.00 |
|                  | 9  | 2452 |      | 12.13 | 13.00 |

| WIFI 2.4G Ant 3 Body worn |         |                |                 |                     |         |
|---------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                      | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                   | 1       | 2412           | 1               | 18.95               | 20.00   |
|                           | 6       | 2437           |                 | 18.82               | 20.00   |
|                           | 11      | 2462           |                 | 18.81               | 20.00   |
| 802.11g                   | 1       | 2412           | 6               | 15.39               | 16.50   |
|                           | 6       | 2437           |                 | 17.32               | 18.00   |
|                           | 11      | 2462           |                 | 15.32               | 16.50   |
| 802.11n<br>HT20           | 1       | 2412           | 6.5             | 15.68               | 16.00   |
|                           | 6       | 2437           |                 | 16.89               | 17.50   |
|                           | 11      | 2462           |                 | 14.76               | 15.50   |
| 802.11n<br>HT40           | 3       | 2422           | 13.5            | 15.46               | 16.00   |
|                           | 6       | 2437           |                 | 17.34               | 18.00   |
|                           | 8       | 2447           |                 | 14.84               | 15.50   |
|                           | 9       | 2452           |                 | 11.86               | 13.00   |
| 802.11ax<br>HE20          | 1       | 2412           | MCS0            | 15.56               | 16.50   |
|                           | 6       | 2437           |                 | 17.05               | 18.00   |
|                           | 11      | 2462           |                 | 14.99               | 15.50   |
| 802.11ax<br>HE40          | 3       | 2422           | MCS0            | 15.36               | 16.00   |
|                           | 6       | 2437           |                 | 17.42               | 18.00   |
|                           | 8       | 2447           |                 | 14.85               | 16.00   |
|                           | 9       | 2452           |                 | 11.95               | 13.00   |

| WIFI 2.4G MIMO Body worn |         |                |                 |                     |                     |                     |         |
|--------------------------|---------|----------------|-----------------|---------------------|---------------------|---------------------|---------|
| Mode                     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11b                  | 1       | 2412           | 1               | 19.11               | 18.95               | <b>22.04</b>        | 23.00   |
|                          | 6       | 2437           |                 | 18.87               | 18.82               | <b>21.86</b>        | 23.00   |
|                          | 11      | 2462           |                 | 18.96               | 18.81               | <b>21.90</b>        | 23.00   |
| 802.11g                  | 1       | 2412           | 6               | 15.35               | 15.39               | <b>18.38</b>        | 19.50   |
|                          | 6       | 2437           |                 | 17.22               | 17.32               | <b>20.28</b>        | 21.00   |



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|------------------|----|------|------|-------|-------|--------------|-------|
|                  | 11 | 2462 |      | 15.51 | 15.32 | <b>18.43</b> | 19.50 |
| 802.11n<br>HT20  | 1  | 2412 | 6.5  | 15.36 | 15.68 | <b>18.53</b> | 19.00 |
|                  | 6  | 2437 |      | 17.02 | 16.89 | <b>19.97</b> | 20.50 |
|                  | 11 | 2462 |      | 14.88 | 14.76 | <b>17.83</b> | 18.50 |
| 802.11n<br>HT40  | 3  | 2422 | 13.5 | 15.17 | 15.46 | <b>18.33</b> | 19.00 |
|                  | 6  | 2437 |      | 16.99 | 17.34 | <b>20.18</b> | 21.00 |
|                  | 8  | 2447 |      | 14.93 | 14.84 | <b>17.90</b> | 18.50 |
|                  | 9  | 2452 |      | 11.94 | 11.86 | <b>14.91</b> | 16.00 |
| 802.11ax<br>HE20 | 1  | 2412 | MCS0 | 15.61 | 15.56 | <b>18.60</b> | 19.50 |
|                  | 6  | 2437 |      | 17.01 | 17.05 | <b>20.04</b> | 21.00 |
|                  | 11 | 2462 |      | 14.93 | 14.99 | <b>17.97</b> | 18.50 |
| 802.11ax<br>HE40 | 3  | 2422 | MCS0 | 15.36 | 15.36 | <b>18.37</b> | 19.00 |
|                  | 6  | 2437 |      | 17.24 | 17.42 | <b>20.34</b> | 21.00 |
|                  | 8  | 2447 |      | 15.16 | 14.85 | <b>18.02</b> | 19.00 |
|                  | 9  | 2452 |      | 12.13 | 11.95 | <b>15.05</b> | 16.00 |

| WIFI 2.4G Ant 6 Hotspot |         |                |                 |                     |         |
|-------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                    | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                 | 1       | 2412           | 1               | 14.51               | 15.50   |
|                         | 6       | 2437           |                 | 14.59               | 15.50   |
|                         | 11      | 2462           |                 | 14.53               | 15.50   |
| 802.11g                 | 1       | 2412           | 6               | 11.00               | 12.00   |
|                         | 6       | 2437           |                 | 12.82               | 13.50   |
|                         | 11      | 2462           |                 | 11.16               | 12.00   |
| 802.11n<br>HT20         | 1       | 2412           | 6.5             | 10.84               | 11.50   |
|                         | 6       | 2437           |                 | 12.51               | 13.00   |
|                         | 11      | 2462           |                 | 10.49               | 11.00   |
| 802.11n<br>HT40         | 3       | 2422           | 13.5            | 10.73               | 11.50   |
|                         | 6       | 2437           |                 | 12.51               | 13.50   |
|                         | 8       | 2447           |                 | 10.43               | 11.00   |
|                         | 9       | 2452           |                 | 7.50                | 8.50    |
| 802.11ax<br>HE20        | 1       | 2412           | MCS0            | 11.11               | 12.00   |
|                         | 6       | 2437           |                 | 12.53               | 13.50   |
|                         | 11      | 2462           |                 | 10.49               | 11.00   |
| 802.11ax<br>HE40        | 3       | 2422           | MCS0            | 10.63               | 11.50   |
|                         | 6       | 2437           |                 | 12.60               | 13.50   |
|                         | 8       | 2447           |                 | 10.52               | 11.50   |
|                         | 9       | 2452           |                 | 7.67                | 8.50    |



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| WIFI 2.4G Ant 3 Hotspot |         |                |                 |                     |         |
|-------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                    | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                 | 1       | 2412           | 1               | 14.24               | 15.50   |
|                         | 6       | 2437           |                 | 14.32               | 15.50   |
|                         | 11      | 2462           |                 | 14.31               | 15.50   |
| 802.11g                 | 1       | 2412           | 6               | 10.71               | 12.00   |
|                         | 6       | 2437           |                 | 12.93               | 13.50   |
|                         | 11      | 2462           |                 | 10.91               | 12.00   |
| 802.11n HT20            | 1       | 2412           | 6.5             | 11.08               | 11.50   |
|                         | 6       | 2437           |                 | 12.44               | 13.00   |
|                         | 11      | 2462           |                 | 10.18               | 11.00   |
| 802.11n HT40            | 3       | 2422           | 13.5            | 10.93               | 11.50   |
|                         | 6       | 2437           |                 | 12.95               | 13.50   |
|                         | 8       | 2447           |                 | 10.25               | 11.00   |
|                         | 9       | 2452           |                 | 7.31                | 8.50    |
| 802.11ax HE20           | 1       | 2412           | MCS0            | 11.24               | 12.00   |
|                         | 6       | 2437           |                 | 12.40               | 13.50   |
|                         | 11      | 2462           |                 | 10.25               | 11.00   |
| 802.11ax HE40           | 3       | 2422           | MCS0            | 10.76               | 11.50   |
|                         | 6       | 2437           |                 | 12.84               | 13.50   |
|                         | 8       | 2447           |                 | 10.30               | 11.50   |
|                         | 9       | 2452           |                 | 7.54                | 8.50    |

| WIFI 2.4G MIMO Hotspot |         |                |                 |                     |                     |                     |         |
|------------------------|---------|----------------|-----------------|---------------------|---------------------|---------------------|---------|
| Mode                   | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11b                | 1       | 2412           | 1               | 14.51               | 14.24               | <b>17.39</b>        | 18.50   |
|                        | 6       | 2437           |                 | 14.59               | 14.32               | <b>17.47</b>        | 18.50   |
|                        | 11      | 2462           |                 | 14.53               | 14.31               | <b>17.43</b>        | 18.50   |
| 802.11g                | 1       | 2412           | 6               | 11.00               | 10.71               | <b>13.87</b>        | 15.00   |
|                        | 6       | 2437           |                 | 12.82               | 12.93               | <b>15.89</b>        | 16.50   |
|                        | 11      | 2462           |                 | 11.16               | 10.91               | <b>14.05</b>        | 15.00   |
| 802.11n HT20           | 1       | 2412           | 6.5             | 10.84               | 11.08               | <b>13.97</b>        | 14.50   |
|                        | 6       | 2437           |                 | 12.51               | 12.44               | <b>15.49</b>        | 16.00   |
|                        | 11      | 2462           |                 | 10.49               | 10.18               | <b>13.35</b>        | 14.00   |
| 802.11n HT40           | 3       | 2422           | 13.5            | 10.73               | 10.93               | <b>13.84</b>        | 14.50   |
|                        | 6       | 2437           |                 | 12.51               | 12.95               | <b>15.75</b>        | 16.50   |
|                        | 8       | 2447           |                 | 10.43               | 10.25               | <b>13.35</b>        | 14.00   |
|                        | 9       | 2452           |                 | 7.50                | 7.31                | <b>10.42</b>        | 11.50   |
|                        | 1       | 2412           | MCS0            | 11.11               | 11.24               | <b>14.19</b>        | 15.00   |



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|                  |    |      |      |       |       |              |       |
|------------------|----|------|------|-------|-------|--------------|-------|
| 802.11ax<br>HE20 | 6  | 2437 |      | 12.53 | 12.40 | <b>15.48</b> | 16.50 |
|                  | 11 | 2462 |      | 10.49 | 10.25 | <b>13.38</b> | 14.00 |
| 802.11ax<br>HE40 | 3  | 2422 | MCS0 | 10.63 | 10.76 | <b>13.71</b> | 14.50 |
|                  | 6  | 2437 |      | 12.60 | 12.84 | <b>15.73</b> | 16.50 |
|                  | 8  | 2447 |      | 10.52 | 10.30 | <b>13.42</b> | 14.50 |
|                  | 9  | 2452 |      | 7.67  | 7.54  | <b>10.62</b> | 11.50 |

| WIFI 2.4G Ant 6 Product specific 0mm |         |                |                 |                     |         |
|--------------------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                                 | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                              | 1       | 2412           | 1               | 21.86               | 23.00   |
|                                      | 6       | 2437           |                 | 21.83               | 23.00   |
|                                      | 11      | 2462           |                 | 21.76               | 23.00   |
| 802.11g                              | 1       | 2412           | 6               | 18.29               | 19.50   |
|                                      | 6       | 2437           |                 | 20.12               | 21.00   |
|                                      | 11      | 2462           |                 | 18.47               | 19.50   |
| 802.11n<br>HT20                      | 1       | 2412           | 6.5             | 18.26               | 19.00   |
|                                      | 6       | 2437           |                 | 19.80               | 20.50   |
|                                      | 11      | 2462           |                 | 17.77               | 18.50   |
| 802.11n<br>HT40                      | 3       | 2422           | 13.5            | 18.17               | 19.00   |
|                                      | 6       | 2437           |                 | 19.87               | 21.00   |
|                                      | 8       | 2447           |                 | 17.94               | 18.50   |
|                                      | 9       | 2452           |                 | 14.93               | 16.00   |
| 802.11ax<br>HE20                     | 1       | 2412           | MCS0            | 18.51               | 19.50   |
|                                      | 6       | 2437           |                 | 19.98               | 21.00   |
|                                      | 11      | 2462           |                 | 17.87               | 18.50   |
| 802.11ax<br>HE40                     | 3       | 2422           | MCS0            | 18.15               | 19.00   |
|                                      | 6       | 2437           |                 | 20.07               | 21.00   |
|                                      | 8       | 2447           |                 | 17.97               | 19.00   |
|                                      | 9       | 2452           |                 | 14.87               | 16.00   |

| WIFI 2.4G Ant 3 Product specific 0mm |         |                |                 |                     |         |
|--------------------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                                 | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                              | 1       | 2412           | 1               | 21.84               | 23.00   |
|                                      | 6       | 2437           |                 | 21.69               | 23.00   |
|                                      | 11      | 2462           |                 | 21.71               | 23.00   |
| 802.11g                              | 1       | 2412           | 6               | 18.18               | 19.50   |
|                                      | 6       | 2437           |                 | 20.35               | 21.00   |
|                                      | 11      | 2462           |                 | 18.15               | 19.50   |
|                                      | 1       | 2412           | 6.5             | 18.52               | 19.00   |



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|                  |    |      |      |       |       |
|------------------|----|------|------|-------|-------|
| 802.11n<br>HT20  | 6  | 2437 |      | 19.77 | 20.50 |
|                  | 11 | 2462 |      | 17.63 | 18.50 |
| 802.11n<br>HT40  | 3  | 2422 | 13.5 | 18.20 | 19.00 |
|                  | 6  | 2437 |      | 20.24 | 21.00 |
|                  | 8  | 2447 |      | 17.71 | 18.50 |
|                  | 9  | 2452 |      | 14.82 | 16.00 |
| 802.11ax<br>HE20 | 1  | 2412 | MCS0 | 18.60 | 19.50 |
|                  | 6  | 2437 |      | 19.83 | 21.00 |
|                  | 11 | 2462 |      | 17.73 | 18.50 |
| 802.11ax<br>HE40 | 3  | 2422 | MCS0 | 18.33 | 19.00 |
|                  | 6  | 2437 |      | 20.29 | 21.00 |
|                  | 8  | 2447 |      | 18.65 | 19.00 |
|                  | 9  | 2452 |      | 15.88 | 16.00 |

| WIFI 2.4G MIMO Product specific 0mm |         |                |                 |                     |                     |                     |         |
|-------------------------------------|---------|----------------|-----------------|---------------------|---------------------|---------------------|---------|
| Mode                                | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11b                             | 1       | 2412           | 1               | 21.86               | 21.84               | <b>24.86</b>        | 26.00   |
|                                     | 6       | 2437           |                 | 21.83               | 21.69               | <b>24.77</b>        | 26.00   |
|                                     | 11      | 2462           |                 | 21.76               | 21.71               | <b>24.75</b>        | 26.00   |
| 802.11g                             | 1       | 2412           | 6               | 18.29               | 18.18               | <b>21.25</b>        | 22.50   |
|                                     | 6       | 2437           |                 | 20.12               | 20.35               | <b>23.25</b>        | 24.00   |
|                                     | 11      | 2462           |                 | 18.47               | 18.15               | <b>21.32</b>        | 22.50   |
| 802.11n<br>HT20                     | 1       | 2412           | 6.5             | 18.26               | 18.52               | <b>21.40</b>        | 22.00   |
|                                     | 6       | 2437           |                 | 19.80               | 19.77               | <b>22.80</b>        | 23.50   |
|                                     | 11      | 2462           |                 | 17.77               | 17.63               | <b>20.71</b>        | 21.50   |
| 802.11n<br>HT40                     | 3       | 2422           | 13.5            | 18.17               | 18.20               | <b>21.20</b>        | 22.00   |
|                                     | 6       | 2437           |                 | 19.87               | 20.24               | <b>23.07</b>        | 24.00   |
|                                     | 8       | 2447           |                 | 17.94               | 17.71               | <b>20.84</b>        | 21.50   |
|                                     | 9       | 2452           |                 | 14.93               | 14.82               | <b>17.89</b>        | 19.00   |
| 802.11ax<br>HE20                    | 1       | 2412           | MCS0            | 18.51               | 18.60               | <b>21.57</b>        | 22.50   |
|                                     | 6       | 2437           |                 | 19.98               | 19.83               | <b>22.92</b>        | 24.00   |
|                                     | 11      | 2462           |                 | 17.87               | 17.73               | <b>20.81</b>        | 21.50   |
| 802.11ax<br>HE40                    | 3       | 2422           | MCS0            | 18.15               | 18.33               | <b>21.25</b>        | 22.00   |
|                                     | 6       | 2437           |                 | 20.07               | 20.29               | <b>23.19</b>        | 24.00   |
|                                     | 8       | 2447           |                 | 17.97               | 18.65               | <b>21.33</b>        | 22.00   |
|                                     | 9       | 2452           |                 | 14.87               | 15.88               | <b>18.41</b>        | 19.00   |



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| WIFI 2.4G Ant 6 Head Non-DBS |         |                |                 |                     |         |
|------------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                         | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                      | 1       | 2412           | 1               | 15.42               | 16.50   |
|                              | 6       | 2437           |                 | 15.31               | 16.50   |
|                              | 11      | 2462           |                 | 15.26               | 16.50   |
| 802.11g                      | 1       | 2412           | 6               | 11.80               | 13.00   |
|                              | 6       | 2437           |                 | 13.62               | 14.50   |
|                              | 11      | 2462           |                 | 11.95               | 13.00   |
| 802.11n<br>HT20              | 1       | 2412           | 6.5             | 11.75               | 12.50   |
|                              | 6       | 2437           |                 | 13.39               | 14.00   |
|                              | 11      | 2462           |                 | 11.25               | 12.00   |
| 802.11n<br>HT40              | 3       | 2422           | 13.5            | 11.61               | 12.50   |
|                              | 6       | 2437           |                 | 13.36               | 14.50   |
|                              | 8       | 2447           |                 | 11.38               | 12.00   |
|                              | 9       | 2452           |                 | 8.42                | 9.50    |
| 802.11ax<br>HE20             | 1       | 2412           | MCS0            | 11.96               | 13.00   |
|                              | 6       | 2437           |                 | 13.45               | 14.50   |
|                              | 11      | 2462           |                 | 11.27               | 12.00   |
| 802.11ax<br>HE40             | 3       | 2422           | MCS0            | 11.58               | 12.50   |
|                              | 6       | 2437           |                 | 13.48               | 14.50   |
|                              | 8       | 2447           |                 | 11.50               | 12.50   |
|                              | 9       | 2452           |                 | 8.43                | 9.50    |

| WIFI 2.4G Ant 3 Head Non-DBS |         |                |                 |                     |         |
|------------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                         | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                      | 1       | 2412           | 1               | 15.27               | 16.50   |
|                              | 6       | 2437           |                 | 15.18               | 16.50   |
|                              | 11      | 2462           |                 | 15.23               | 16.50   |
| 802.11g                      | 1       | 2412           | 6               | 11.71               | 13.00   |
|                              | 6       | 2437           |                 | 13.77               | 14.50   |
|                              | 11      | 2462           |                 | 11.66               | 13.00   |
| 802.11n<br>HT20              | 1       | 2412           | 6.5             | 11.96               | 12.50   |
|                              | 6       | 2437           |                 | 13.29               | 14.00   |
|                              | 11      | 2462           |                 | 11.16               | 12.00   |
| 802.11n<br>HT40              | 3       | 2422           | 13.5            | 11.70               | 12.50   |
|                              | 6       | 2437           |                 | 13.74               | 14.50   |
|                              | 8       | 2447           |                 | 11.29               | 12.00   |
|                              | 9       | 2452           |                 | 8.24                | 9.50    |



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|------------------|----|------|------|-------|-------|
| 802.11ax<br>HE20 | 1  | 2412 | MCS0 | 12.07 | 13.00 |
|                  | 6  | 2437 |      | 13.36 | 14.50 |
|                  | 11 | 2462 |      | 11.25 | 12.00 |
| 802.11ax<br>HE40 | 3  | 2422 | MCS0 | 11.78 | 12.50 |
|                  | 6  | 2437 |      | 13.84 | 14.50 |
|                  | 8  | 2447 |      | 11.20 | 12.50 |
|                  | 9  | 2452 |      | 8.38  | 9.50  |

| WIFI 2.4G MIMO Head Non-DBS |         |                |                 |                     |                     |                     |         |
|-----------------------------|---------|----------------|-----------------|---------------------|---------------------|---------------------|---------|
| Mode                        | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11b                     | 1       | 2412           | 1               | 15.42               | 15.27               | <b>18.36</b>        | 19.50   |
|                             | 6       | 2437           |                 | 15.31               | 15.18               | <b>18.26</b>        | 19.50   |
|                             | 11      | 2462           |                 | 15.26               | 15.23               | <b>18.26</b>        | 19.50   |
| 802.11g                     | 1       | 2412           | 6               | 11.80               | 11.71               | <b>14.77</b>        | 16.00   |
|                             | 6       | 2437           |                 | 13.62               | 13.77               | <b>16.71</b>        | 17.50   |
|                             | 11      | 2462           |                 | 11.95               | 11.66               | <b>14.82</b>        | 16.00   |
| 802.11n<br>HT20             | 1       | 2412           | 6.5             | 11.75               | 11.96               | <b>14.87</b>        | 15.50   |
|                             | 6       | 2437           |                 | 13.39               | 13.29               | <b>16.35</b>        | 17.00   |
|                             | 11      | 2462           |                 | 11.25               | 11.16               | <b>14.22</b>        | 15.00   |
| 802.11n<br>HT40             | 3       | 2422           | 13.5            | 11.61               | 11.70               | <b>14.67</b>        | 15.50   |
|                             | 6       | 2437           |                 | 13.36               | 13.74               | <b>16.56</b>        | 17.50   |
|                             | 8       | 2447           |                 | 11.38               | 11.29               | <b>14.35</b>        | 15.00   |
|                             | 9       | 2452           |                 | 8.42                | 8.24                | <b>11.34</b>        | 12.50   |
| 802.11ax<br>HE20            | 1       | 2412           | MCS0            | 11.96               | 12.07               | <b>15.03</b>        | 16.00   |
|                             | 6       | 2437           |                 | 13.45               | 13.36               | <b>16.42</b>        | 17.50   |
|                             | 11      | 2462           |                 | 11.27               | 11.25               | <b>14.27</b>        | 15.00   |
| 802.11ax<br>HE40            | 3       | 2422           | MCS0            | 11.58               | 11.78               | <b>14.69</b>        | 15.50   |
|                             | 6       | 2437           |                 | 13.48               | 13.84               | <b>16.67</b>        | 17.50   |
|                             | 8       | 2447           |                 | 11.50               | 11.20               | <b>14.36</b>        | 15.50   |
|                             | 9       | 2452           |                 | 8.43                | 8.38                | <b>11.42</b>        | 12.50   |

| WIFI 2.4G Ant 6 Head DBS |         |                |                 |                     |         |
|--------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                  | 1       | 2412           | 1               | 12.47               | 13.50   |
|                          | 6       | 2437           |                 | 12.35               | 13.50   |
|                          | 11      | 2462           |                 | 12.27               | 13.50   |
| 802.11g                  | 1       | 2412           | 6               | 8.81                | 10.00   |
|                          | 6       | 2437           |                 | 10.63               | 11.50   |



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|                  |    |      |      |       |       |
|------------------|----|------|------|-------|-------|
|                  | 11 | 2462 |      | 8.92  | 10.00 |
| 802.11n<br>HT20  | 1  | 2412 | 6.5  | 8.80  | 9.50  |
|                  | 6  | 2437 |      | 10.34 | 11.00 |
|                  | 11 | 2462 |      | 8.25  | 9.00  |
| 802.11n<br>HT40  | 3  | 2422 | 13.5 | 8.62  | 9.50  |
|                  | 6  | 2437 |      | 10.38 | 11.50 |
|                  | 8  | 2447 |      | 8.33  | 9.00  |
|                  | 9  | 2452 |      | 5.45  | 6.50  |
| 802.11ax<br>HE20 | 1  | 2412 | MCS0 | 8.97  | 10.00 |
|                  | 6  | 2437 |      | 10.50 | 11.50 |
|                  | 11 | 2462 |      | 8.22  | 9.00  |
| 802.11ax<br>HE40 | 3  | 2422 | MCS0 | 8.62  | 9.50  |
|                  | 6  | 2437 |      | 10.52 | 11.50 |
|                  | 8  | 2447 |      | 8.50  | 9.50  |
|                  | 9  | 2452 |      | 5.38  | 6.50  |

| WIFI 2.4G Ant 3 Head DBS |         |                |                 |                     |         |
|--------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                  | 1       | 2412           | 1               | 12.25               | 13.50   |
|                          | 6       | 2437           |                 | 12.22               | 13.50   |
|                          | 11      | 2462           |                 | 12.23               | 13.50   |
| 802.11g                  | 1       | 2412           | 6               | 8.74                | 10.00   |
|                          | 6       | 2437           |                 | 10.82               | 11.50   |
|                          | 11      | 2462           |                 | 8.69                | 10.00   |
| 802.11n<br>HT20          | 1       | 2412           | 6.5             | 9.01                | 9.50    |
|                          | 6       | 2437           |                 | 10.25               | 11.00   |
|                          | 11      | 2462           |                 | 8.18                | 9.00    |
| 802.11n<br>HT40          | 3       | 2422           | 13.5            | 8.70                | 9.50    |
|                          | 6       | 2437           |                 | 10.75               | 11.50   |
|                          | 8       | 2447           |                 | 8.24                | 9.00    |
|                          | 9       | 2452           |                 | 5.25                | 6.50    |
| 802.11ax<br>HE20         | 1       | 2412           | MCS0            | 9.06                | 10.00   |
|                          | 6       | 2437           |                 | 10.40               | 11.50   |
|                          | 11      | 2462           |                 | 8.25                | 9.00    |
| 802.11ax<br>HE40         | 3       | 2422           | MCS0            | 8.81                | 9.50    |
|                          | 6       | 2437           |                 | 10.80               | 11.50   |
|                          | 8       | 2447           |                 | 8.23                | 9.50    |
|                          | 9       | 2452           |                 | 5.34                | 6.50    |



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| WIFI 2.4G MIMO Head DBS |         |                |                 |                     |                     |                     |         |
|-------------------------|---------|----------------|-----------------|---------------------|---------------------|---------------------|---------|
| Mode                    | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11b                 | 1       | 2412           | 1               | 12.47               | 12.25               | <b>15.37</b>        | 16.50   |
|                         | 6       | 2437           |                 | 12.35               | 12.22               | <b>15.30</b>        | 16.50   |
|                         | 11      | 2462           |                 | 12.27               | 12.23               | <b>15.26</b>        | 16.50   |
| 802.11g                 | 1       | 2412           | 6               | 8.81                | 8.74                | <b>11.79</b>        | 13.00   |
|                         | 6       | 2437           |                 | 10.63               | 10.82               | <b>13.74</b>        | 14.50   |
|                         | 11      | 2462           |                 | 8.92                | 8.69                | <b>11.82</b>        | 13.00   |
| 802.11n HT20            | 1       | 2412           | 6.5             | 8.80                | 9.01                | <b>11.92</b>        | 12.50   |
|                         | 6       | 2437           |                 | 10.34               | 10.25               | <b>13.31</b>        | 14.00   |
|                         | 11      | 2462           |                 | 8.25                | 8.18                | <b>11.23</b>        | 12.00   |
| 802.11n HT40            | 3       | 2422           | 13.5            | 8.62                | 8.70                | <b>11.67</b>        | 12.50   |
|                         | 6       | 2437           |                 | 10.38               | 10.75               | <b>13.58</b>        | 14.50   |
|                         | 8       | 2447           |                 | 8.33                | 8.24                | <b>11.30</b>        | 12.00   |
|                         | 9       | 2452           |                 | 5.45                | 5.25                | <b>8.36</b>         | 9.50    |
| 802.11ax HE20           | 1       | 2412           | MCS0            | 8.97                | 9.06                | <b>12.03</b>        | 13.00   |
|                         | 6       | 2437           |                 | 10.50               | 10.40               | <b>13.46</b>        | 14.50   |
|                         | 11      | 2462           |                 | 8.22                | 8.25                | <b>11.25</b>        | 12.00   |
| 802.11ax HE40           | 3       | 2422           | MCS0            | 8.62                | 8.81                | <b>11.73</b>        | 12.50   |
|                         | 6       | 2437           |                 | 10.52               | 10.80               | <b>13.67</b>        | 14.50   |
|                         | 8       | 2447           |                 | 8.50                | 8.23                | <b>11.38</b>        | 12.50   |
|                         | 9       | 2452           |                 | 5.38                | 5.34                | <b>8.37</b>         | 9.50    |

| WIFI 2.4G Ant 6 Body worn Non-DBS |         |                |                 |                     |         |
|-----------------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                              | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                           | 1       | 2412           | 1               | 12.98               | 14.00   |
|                                   | 6       | 2437           |                 | 12.90               | 14.00   |
|                                   | 11      | 2462           |                 | 12.81               | 14.00   |
| 802.11g                           | 1       | 2412           | 6               | 9.27                | 10.50   |
|                                   | 6       | 2437           |                 | 11.11               | 12.00   |
|                                   | 11      | 2462           |                 | 9.45                | 10.50   |
| 802.11n HT20                      | 1       | 2412           | 6.5             | 9.24                | 10.00   |
|                                   | 6       | 2437           |                 | 10.90               | 11.50   |
|                                   | 11      | 2462           |                 | 8.74                | 9.50    |
| 802.11n HT40                      | 3       | 2422           | 13.5            | 9.12                | 10.00   |
|                                   | 6       | 2437           |                 | 10.86               | 12.00   |
|                                   | 8       | 2447           |                 | 8.84                | 9.50    |
|                                   | 9       | 2452           |                 | 5.88                | 7.00    |
|                                   | 1       | 2412           | MCS0            | 9.46                | 10.50   |



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|                  |    |      |      |       |       |
|------------------|----|------|------|-------|-------|
| 802.11ax<br>HE20 | 6  | 2437 |      | 10.93 | 12.00 |
|                  | 11 | 2462 |      | 8.82  | 9.50  |
| 802.11ax<br>HE40 | 3  | 2422 | MCS0 | 9.14  | 10.00 |
|                  | 6  | 2437 |      | 10.99 | 12.00 |
|                  | 8  | 2447 |      | 8.98  | 10.00 |
|                  | 9  | 2452 |      | 5.97  | 7.00  |

| WIFI 2.4G Ant 3 Body worn Non-DBS |         |                |                 |                     |         |
|-----------------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                              | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                           | 1       | 2412           | 1               | 12.76               | 14.00   |
|                                   | 6       | 2437           |                 | 12.74               | 14.00   |
|                                   | 11      | 2462           |                 | 12.78               | 14.00   |
| 802.11g                           | 1       | 2412           | 6               | 9.19                | 10.50   |
|                                   | 6       | 2437           |                 | 11.37               | 12.00   |
|                                   | 11      | 2462           |                 | 9.24                | 10.50   |
| 802.11n<br>HT20                   | 1       | 2412           | 6.5             | 9.49                | 10.00   |
|                                   | 6       | 2437           |                 | 10.81               | 11.50   |
|                                   | 11      | 2462           |                 | 8.71                | 9.50    |
| 802.11n<br>HT40                   | 3       | 2422           | 13.5            | 9.16                | 10.00   |
|                                   | 6       | 2437           |                 | 11.18               | 12.00   |
|                                   | 8       | 2447           |                 | 8.74                | 9.50    |
|                                   | 9       | 2452           |                 | 5.69                | 7.00    |
| 802.11ax<br>HE20                  | 1       | 2412           | MCS0            | 9.48                | 10.50   |
|                                   | 6       | 2437           |                 | 10.87               | 12.00   |
|                                   | 11      | 2462           |                 | 8.73                | 9.50    |
| 802.11ax<br>HE40                  | 3       | 2422           | MCS0            | 9.24                | 10.00   |
|                                   | 6       | 2437           |                 | 11.31               | 12.00   |
|                                   | 8       | 2447           |                 | 8.70                | 10.00   |
|                                   | 9       | 2452           |                 | 5.90                | 7.00    |

| WIFI 2.4G MIMO Body worn Non-DBS |         |                |                 |                     |                     |                     |         |
|----------------------------------|---------|----------------|-----------------|---------------------|---------------------|---------------------|---------|
| Mode                             | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11b                          | 1       | 2412           | 1               | 12.98               | 12.76               | <b>15.88</b>        | 17.00   |
|                                  | 6       | 2437           |                 | 12.90               | 12.74               | <b>15.83</b>        | 17.00   |
|                                  | 11      | 2462           |                 | 12.81               | 12.78               | <b>15.81</b>        | 17.00   |
| 802.11g                          | 1       | 2412           | 6               | 9.27                | 9.19                | <b>12.24</b>        | 13.50   |
|                                  | 6       | 2437           |                 | 11.11               | 11.37               | <b>14.25</b>        | 15.00   |
|                                  | 11      | 2462           |                 | 9.45                | 9.24                | <b>12.36</b>        | 13.50   |



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|------------------|----|------|------|-------|-------|--------------|-------|
| 802.11n<br>HT20  | 1  | 2412 | 6.5  | 9.24  | 9.49  | <b>12.38</b> | 13.00 |
|                  | 6  | 2437 |      | 10.90 | 10.81 | <b>13.87</b> | 14.50 |
|                  | 11 | 2462 |      | 8.74  | 8.71  | <b>11.74</b> | 12.50 |
| 802.11n<br>HT40  | 3  | 2422 | 13.5 | 9.12  | 9.16  | <b>12.15</b> | 13.00 |
|                  | 6  | 2437 |      | 10.86 | 11.18 | <b>14.03</b> | 15.00 |
|                  | 8  | 2447 |      | 8.84  | 8.74  | <b>11.80</b> | 12.50 |
|                  | 9  | 2452 |      | 5.88  | 5.69  | <b>8.80</b>  | 10.00 |
| 802.11ax<br>HE20 | 1  | 2412 | MCS0 | 9.46  | 9.48  | <b>12.48</b> | 13.50 |
|                  | 6  | 2437 |      | 10.93 | 10.87 | <b>13.91</b> | 15.00 |
|                  | 11 | 2462 |      | 8.82  | 8.73  | <b>11.79</b> | 12.50 |
| 802.11ax<br>HE40 | 3  | 2422 | MCS0 | 9.14  | 9.24  | <b>12.20</b> | 13.00 |
|                  | 6  | 2437 |      | 10.99 | 11.31 | <b>14.16</b> | 15.00 |
|                  | 8  | 2447 |      | 8.98  | 8.70  | <b>11.85</b> | 13.00 |
|                  | 9  | 2452 |      | 5.97  | 5.90  | <b>8.95</b>  | 10.00 |

| WIFI 2.4G Ant 6 Body worn DBS |         |                |                 |                     |         |
|-------------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                          | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                       | 1       | 2412           | 1               | 10.53               | 11.50   |
|                               | 6       | 2437           |                 | 10.40               | 11.50   |
|                               | 11      | 2462           |                 | 10.34               | 11.50   |
| 802.11g                       | 1       | 2412           | 6               | 6.80                | 8.00    |
|                               | 6       | 2437           |                 | 8.58                | 9.50    |
|                               | 11      | 2462           |                 | 6.99                | 8.00    |
| 802.11n<br>HT20               | 1       | 2412           | 6.5             | 6.70                | 7.50    |
|                               | 6       | 2437           |                 | 8.41                | 9.00    |
|                               | 11      | 2462           |                 | 6.29                | 7.00    |
| 802.11n<br>HT40               | 3       | 2422           | 13.5            | 6.67                | 7.50    |
|                               | 6       | 2437           |                 | 8.34                | 9.50    |
|                               | 8       | 2447           |                 | 6.33                | 7.00    |
|                               | 9       | 2452           |                 | 3.39                | 4.50    |
| 802.11ax<br>HE20              | 1       | 2412           | MCS0            | 6.92                | 8.00    |
|                               | 6       | 2437           |                 | 8.44                | 9.50    |
|                               | 11      | 2462           |                 | 6.37                | 7.00    |
| 802.11ax<br>HE40              | 3       | 2422           | MCS0            | 6.60                | 7.50    |
|                               | 6       | 2437           |                 | 8.54                | 9.50    |
|                               | 8       | 2447           |                 | 6.50                | 7.50    |
|                               | 9       | 2452           |                 | 3.51                | 4.50    |

| WIFI 2.4G Ant 3 Body worn DBS |  |  |  |  |  |
|-------------------------------|--|--|--|--|--|
|-------------------------------|--|--|--|--|--|



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| Mode          | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
|---------------|---------|----------------|-----------------|---------------------|---------|
| 802.11b       | 1       | 2412           | 1               | 10.30               | 11.50   |
|               | 6       | 2437           |                 | 10.26               | 11.50   |
|               | 11      | 2462           |                 | 10.27               | 11.50   |
| 802.11g       | 1       | 2412           | 6               | 6.67                | 8.00    |
|               | 6       | 2437           |                 | 8.90                | 9.50    |
|               | 11      | 2462           |                 | 6.75                | 8.00    |
| 802.11n HT20  | 1       | 2412           | 6.5             | 6.96                | 7.50    |
|               | 6       | 2437           |                 | 8.30                | 9.00    |
|               | 11      | 2462           |                 | 6.23                | 7.00    |
| 802.11n HT40  | 3       | 2422           | 13.5            | 6.61                | 7.50    |
|               | 6       | 2437           |                 | 8.71                | 9.50    |
|               | 8       | 2447           |                 | 6.29                | 7.00    |
|               | 9       | 2452           |                 | 3.21                | 4.50    |
| 802.11ax HE20 | 1       | 2412           | MCS0            | 6.94                | 8.00    |
|               | 6       | 2437           |                 | 8.37                | 9.50    |
|               | 11      | 2462           |                 | 6.18                | 7.00    |
| 802.11ax HE40 | 3       | 2422           | MCS0            | 6.75                | 7.50    |
|               | 6       | 2437           |                 | 8.79                | 9.50    |
|               | 8       | 2447           |                 | 6.25                | 7.50    |
|               | 9       | 2452           |                 | 3.37                | 4.50    |

| WIFI 2.4G MIMO Body worn DBS |         |                |                 |                     |                     |                     |         |
|------------------------------|---------|----------------|-----------------|---------------------|---------------------|---------------------|---------|
| Mode                         | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11b                      | 1       | 2412           | 1               | 10.53               | 10.30               | <b>13.43</b>        | 14.50   |
|                              | 6       | 2437           |                 | 10.40               | 10.26               | <b>13.34</b>        | 14.50   |
|                              | 11      | 2462           |                 | 10.34               | 10.27               | <b>13.32</b>        | 14.50   |
| 802.11g                      | 1       | 2412           | 6               | 6.80                | 6.67                | <b>9.75</b>         | 11.00   |
|                              | 6       | 2437           |                 | 8.58                | 8.90                | <b>11.75</b>        | 12.50   |
|                              | 11      | 2462           |                 | 6.99                | 6.75                | <b>9.88</b>         | 11.00   |
| 802.11n HT20                 | 1       | 2412           | 6.5             | 6.70                | 6.96                | <b>9.84</b>         | 10.50   |
|                              | 6       | 2437           |                 | 8.41                | 8.30                | <b>11.37</b>        | 12.00   |
|                              | 11      | 2462           |                 | 6.29                | 6.23                | <b>9.27</b>         | 10.00   |
| 802.11n HT40                 | 3       | 2422           | 13.5            | 6.67                | 6.61                | <b>9.65</b>         | 10.50   |
|                              | 6       | 2437           |                 | 8.34                | 8.71                | <b>11.54</b>        | 12.50   |
|                              | 8       | 2447           |                 | 6.33                | 6.29                | <b>9.32</b>         | 10.00   |
|                              | 9       | 2452           |                 | 3.39                | 3.21                | <b>6.31</b>         | 7.50    |
| 802.11ax HE20                | 1       | 2412           | MCS0            | 6.92                | 6.94                | <b>9.94</b>         | 11.00   |
|                              | 6       | 2437           |                 | 8.44                | 8.37                | <b>11.42</b>        | 12.50   |



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|                  |    |      |      |      |      |              |       |
|------------------|----|------|------|------|------|--------------|-------|
|                  | 11 | 2462 |      | 6.37 | 6.18 | <b>9.29</b>  | 10.00 |
| 802.11ax<br>HE40 | 3  | 2422 | MCS0 | 6.60 | 6.75 | <b>9.69</b>  | 10.50 |
|                  | 6  | 2437 |      | 8.54 | 8.79 | <b>11.68</b> | 12.50 |
|                  | 8  | 2447 |      | 6.50 | 6.25 | <b>9.39</b>  | 10.50 |
|                  | 9  | 2452 |      | 3.51 | 3.37 | <b>6.45</b>  | 7.50  |

| WIFI 2.4G Ant 6 Sensor off DBS |         |                |                 |                     |         |
|--------------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                           | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                        | 1       | 2412           | 1               | 19.99               | 21.00   |
|                                | 6       | 2437           |                 | 19.89               | 21.00   |
|                                | 11      | 2462           |                 | 19.79               | 21.00   |
| 802.11g                        | 1       | 2412           | 6               | 16.35               | 17.50   |
|                                | 6       | 2437           |                 | 18.14               | 19.00   |
|                                | 11      | 2462           |                 | 16.49               | 17.50   |
| 802.11n<br>HT20                | 1       | 2412           | 6.5             | 16.25               | 17.00   |
|                                | 6       | 2437           |                 | 17.89               | 18.50   |
|                                | 11      | 2462           |                 | 15.77               | 16.50   |
| 802.11n<br>HT40                | 3       | 2422           | 13.5            | 16.12               | 17.00   |
|                                | 6       | 2437           |                 | 17.93               | 19.00   |
|                                | 8       | 2447           |                 | 15.84               | 16.50   |
|                                | 9       | 2452           |                 | 12.98               | 14.00   |
| 802.11ax<br>HE20               | 1       | 2412           | MCS0            | 16.50               | 17.50   |
|                                | 6       | 2437           |                 | 17.96               | 19.00   |
|                                | 11      | 2462           |                 | 15.80               | 16.50   |
| 802.11ax<br>HE40               | 3       | 2422           | MCS0            | 16.17               | 17.00   |
|                                | 6       | 2437           |                 | 17.99               | 19.00   |
|                                | 8       | 2447           |                 | 15.93               | 17.00   |
|                                | 9       | 2452           |                 | 12.90               | 14.00   |

| WIFI 2.4G Ant 3 Sensor off DBS |         |                |                 |                     |         |
|--------------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                           | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                        | 1       | 2412           | 1               | 19.82               | 21.00   |
|                                | 6       | 2437           |                 | 19.64               | 21.00   |
|                                | 11      | 2462           |                 | 19.78               | 21.00   |
| 802.11g                        | 1       | 2412           | 6               | 16.22               | 17.50   |
|                                | 6       | 2437           |                 | 18.35               | 19.00   |
|                                | 11      | 2462           |                 | 16.16               | 17.50   |
| 802.11n<br>HT20                | 1       | 2412           | 6.5             | 16.53               | 17.00   |
|                                | 6       | 2437           |                 | 17.80               | 18.50   |



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|                  |    |      |      |       |       |
|------------------|----|------|------|-------|-------|
|                  | 11 | 2462 |      | 15.66 | 16.50 |
| 802.11n<br>HT40  | 3  | 2422 | 13.5 | 16.25 | 17.00 |
|                  | 6  | 2437 |      | 18.20 | 19.00 |
|                  | 8  | 2447 |      | 15.77 | 16.50 |
|                  | 9  | 2452 |      | 12.79 | 14.00 |
|                  |    |      |      |       |       |
| 802.11ax<br>HE20 | 1  | 2412 | MCS0 | 16.50 | 17.50 |
|                  | 6  | 2437 |      | 17.88 | 19.00 |
|                  | 11 | 2462 |      | 15.70 | 16.50 |
| 802.11ax<br>HE40 | 3  | 2422 | MCS0 | 16.21 | 17.00 |
|                  | 6  | 2437 |      | 18.33 | 19.00 |
|                  | 8  | 2447 |      | 15.68 | 17.00 |
|                  | 9  | 2452 |      | 12.83 | 14.00 |

| WIFI 2.4G MIMO Sensor off DBS |         |                |                 |                     |                     |                     |         |
|-------------------------------|---------|----------------|-----------------|---------------------|---------------------|---------------------|---------|
| Mode                          | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11b                       | 1       | 2412           | 1               | 19.99               | 19.82               | <b>22.92</b>        | 24.00   |
|                               | 6       | 2437           |                 | 19.89               | 19.64               | <b>22.78</b>        | 24.00   |
|                               | 11      | 2462           |                 | 19.79               | 19.78               | <b>22.80</b>        | 24.00   |
| 802.11g                       | 1       | 2412           | 6               | 16.35               | 16.22               | <b>19.30</b>        | 20.50   |
|                               | 6       | 2437           |                 | 18.14               | 18.35               | <b>21.26</b>        | 22.00   |
|                               | 11      | 2462           |                 | 16.49               | 16.16               | <b>19.34</b>        | 20.50   |
| 802.11n<br>HT20               | 1       | 2412           | 6.5             | 16.25               | 16.53               | <b>19.40</b>        | 20.00   |
|                               | 6       | 2437           |                 | 17.89               | 17.80               | <b>20.86</b>        | 21.50   |
|                               | 11      | 2462           |                 | 15.77               | 15.66               | <b>18.73</b>        | 19.50   |
| 802.11n<br>HT40               | 3       | 2422           | 13.5            | 16.12               | 16.25               | <b>19.20</b>        | 20.00   |
|                               | 6       | 2437           |                 | 17.93               | 18.20               | <b>21.08</b>        | 22.00   |
|                               | 8       | 2447           |                 | 15.84               | 15.77               | <b>18.82</b>        | 19.50   |
|                               | 9       | 2452           |                 | 12.98               | 12.79               | <b>15.90</b>        | 17.00   |
| 802.11ax<br>HE20              | 1       | 2412           | MCS0            | 16.50               | 16.50               | <b>19.51</b>        | 20.50   |
|                               | 6       | 2437           |                 | 17.96               | 17.88               | <b>20.93</b>        | 22.00   |
|                               | 11      | 2462           |                 | 15.80               | 15.70               | <b>18.76</b>        | 19.50   |
| 802.11ax<br>HE40              | 3       | 2422           | MCS0            | 16.17               | 16.21               | <b>19.20</b>        | 20.00   |
|                               | 6       | 2437           |                 | 17.99               | 18.33               | <b>21.17</b>        | 22.00   |
|                               | 8       | 2447           |                 | 15.93               | 15.68               | <b>18.82</b>        | 20.00   |
|                               | 9       | 2452           |                 | 12.90               | 12.83               | <b>15.88</b>        | 17.00   |



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| WIFI 2.4G Ant 6 Hotspot DBS |         |                |                 |                     |         |
|-----------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                        | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                     | 1       | 2412           | 1               | 11.55               | 12.50   |
|                             | 6       | 2437           |                 | 11.43               | 12.50   |
|                             | 11      | 2462           |                 | 11.31               | 12.50   |
| 802.11g                     | 1       | 2412           | 6               | 7.83                | 9.00    |
|                             | 6       | 2437           |                 | 9.57                | 10.50   |
|                             | 11      | 2462           |                 | 8.02                | 9.00    |
| 802.11n<br>HT20             | 1       | 2412           | 6.5             | 7.74                | 8.50    |
|                             | 6       | 2437           |                 | 9.43                | 10.00   |
|                             | 11      | 2462           |                 | 7.30                | 8.00    |
| 802.11n<br>HT40             | 3       | 2422           | 13.5            | 7.63                | 8.50    |
|                             | 6       | 2437           |                 | 9.33                | 10.50   |
|                             | 8       | 2447           |                 | 7.32                | 8.00    |
|                             | 9       | 2452           |                 | 4.41                | 5.50    |
| 802.11ax<br>HE20            | 1       | 2412           | MCS0            | 7.89                | 9.00    |
|                             | 6       | 2437           |                 | 9.43                | 10.50   |
|                             | 11      | 2462           |                 | 7.42                | 8.00    |
| 802.11ax<br>HE40            | 3       | 2422           | MCS0            | 7.58                | 8.50    |
|                             | 6       | 2437           |                 | 9.51                | 10.50   |
|                             | 8       | 2447           |                 | 7.46                | 8.50    |
|                             | 9       | 2452           |                 | 4.47                | 5.50    |

| WIFI 2.4G Ant 3 Hotspot DBS |         |                |                 |                     |         |
|-----------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                        | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                     | 1       | 2412           | 1               | 11.29               | 12.50   |
|                             | 6       | 2437           |                 | 11.24               | 12.50   |
|                             | 11      | 2462           |                 | 11.22               | 12.50   |
| 802.11g                     | 1       | 2412           | 6               | 7.70                | 9.00    |
|                             | 6       | 2437           |                 | 9.95                | 10.50   |
|                             | 11      | 2462           |                 | 7.77                | 9.00    |
| 802.11n<br>HT20             | 1       | 2412           | 6.5             | 8.01                | 8.50    |
|                             | 6       | 2437           |                 | 9.33                | 10.00   |
|                             | 11      | 2462           |                 | 7.21                | 8.00    |
| 802.11n<br>HT40             | 3       | 2422           | 13.5            | 7.60                | 8.50    |
|                             | 6       | 2437           |                 | 9.68                | 10.50   |
|                             | 8       | 2447           |                 | 7.31                | 8.00    |
|                             | 9       | 2452           |                 | 4.17                | 5.50    |



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|------------------|----|------|------|------|-------|
| 802.11ax<br>HE20 | 1  | 2412 | MCS0 | 7.91 | 9.00  |
|                  | 6  | 2437 |      | 9.36 | 10.50 |
|                  | 11 | 2462 |      | 7.18 | 8.00  |
| 802.11ax<br>HE40 | 3  | 2422 | MCS0 | 7.78 | 8.50  |
|                  | 6  | 2437 |      | 9.79 | 10.50 |
|                  | 8  | 2447 |      | 7.21 | 8.50  |
|                  | 9  | 2452 |      | 4.36 | 5.50  |

| WIFI 2.4G MIMO Hotspot DBS |         |                |                 |                     |                     |                     |         |
|----------------------------|---------|----------------|-----------------|---------------------|---------------------|---------------------|---------|
| Mode                       | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11b                    | 1       | 2412           | 1               | 11.55               | 11.29               | <b>14.43</b>        | 15.50   |
|                            | 6       | 2437           |                 | 11.43               | 11.24               | <b>14.35</b>        | 15.50   |
|                            | 11      | 2462           |                 | 11.31               | 11.22               | <b>14.28</b>        | 15.50   |
| 802.11g                    | 1       | 2412           | 6               | 7.83                | 7.70                | <b>10.78</b>        | 12.00   |
|                            | 6       | 2437           |                 | 9.57                | 9.95                | <b>12.77</b>        | 13.50   |
|                            | 11      | 2462           |                 | 8.02                | 7.77                | <b>10.91</b>        | 12.00   |
| 802.11n<br>HT20            | 1       | 2412           | 6.5             | 7.74                | 8.01                | <b>10.89</b>        | 11.50   |
|                            | 6       | 2437           |                 | 9.43                | 9.33                | <b>12.39</b>        | 13.00   |
|                            | 11      | 2462           |                 | 7.30                | 7.21                | <b>10.27</b>        | 11.00   |
| 802.11n<br>HT40            | 3       | 2422           | 13.5            | 7.63                | 7.60                | <b>10.63</b>        | 11.50   |
|                            | 6       | 2437           |                 | 9.33                | 9.68                | <b>12.52</b>        | 13.50   |
|                            | 8       | 2447           |                 | 7.32                | 7.31                | <b>10.33</b>        | 11.00   |
|                            | 9       | 2452           |                 | 4.41                | 4.17                | <b>7.30</b>         | 8.50    |
| 802.11ax<br>HE20           | 1       | 2412           | MCS0            | 7.89                | 7.91                | <b>10.91</b>        | 12.00   |
|                            | 6       | 2437           |                 | 9.43                | 9.36                | <b>12.41</b>        | 13.50   |
|                            | 11      | 2462           |                 | 7.42                | 7.18                | <b>10.31</b>        | 11.00   |
| 802.11ax<br>HE40           | 3       | 2422           | MCS0            | 7.58                | 7.78                | <b>10.69</b>        | 11.50   |
|                            | 6       | 2437           |                 | 9.51                | 9.79                | <b>12.66</b>        | 13.50   |
|                            | 8       | 2447           |                 | 7.46                | 7.21                | <b>10.35</b>        | 11.50   |
|                            | 9       | 2452           |                 | 4.47                | 4.36                | <b>7.43</b>         | 8.50    |

| WIFI 2.4G Ant 6 Product specific Non-DBS |         |                |                 |                     |         |
|------------------------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                                     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                                  | 1       | 2412           | 1               | 16.53               | 17.50   |
|                                          | 6       | 2437           |                 | 16.39               | 17.50   |
|                                          | 11      | 2462           |                 | 16.35               | 17.50   |
| 802.11g                                  | 1       | 2412           | 6               | 12.84               | 14.00   |
|                                          | 6       | 2437           |                 | 14.53               | 15.50   |



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|                  |    |      |      |       |       |
|------------------|----|------|------|-------|-------|
|                  | 11 | 2462 |      | 13.01 | 14.00 |
| 802.11n<br>HT20  | 1  | 2412 | 6.5  | 12.78 | 13.50 |
|                  | 6  | 2437 |      | 14.48 | 15.00 |
|                  | 11 | 2462 |      | 12.31 | 13.00 |
| 802.11n<br>HT40  | 3  | 2422 | 13.5 | 12.68 | 13.50 |
|                  | 6  | 2437 |      | 14.36 | 15.50 |
|                  | 8  | 2447 |      | 12.35 | 13.00 |
|                  | 9  | 2452 |      | 9.43  | 10.50 |
| 802.11ax<br>HE20 | 1  | 2412 | MCS0 | 12.94 | 14.00 |
|                  | 6  | 2437 |      | 14.39 | 15.50 |
|                  | 11 | 2462 |      | 12.43 | 13.00 |
| 802.11ax<br>HE40 | 3  | 2422 | MCS0 | 12.60 | 13.50 |
|                  | 6  | 2437 |      | 14.53 | 15.50 |
|                  | 8  | 2447 |      | 12.45 | 13.50 |
|                  | 9  | 2452 |      | 9.51  | 10.50 |

| WIFI 2.4G Ant 3 Product specific Non-DBS |         |                |                 |                     |         |
|------------------------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                                     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                                  | 1       | 2412           | 1               | 16.24               | 17.50   |
|                                          | 6       | 2437           |                 | 16.22               | 17.50   |
|                                          | 11      | 2462           |                 | 16.26               | 17.50   |
| 802.11g                                  | 1       | 2412           | 6               | 12.72               | 14.00   |
|                                          | 6       | 2437           |                 | 14.92               | 15.50   |
|                                          | 11      | 2462           |                 | 12.77               | 14.00   |
| 802.11n<br>HT20                          | 1       | 2412           | 6.5             | 13.01               | 13.50   |
|                                          | 6       | 2437           |                 | 14.30               | 15.00   |
|                                          | 11      | 2462           |                 | 12.21               | 13.00   |
| 802.11n<br>HT40                          | 3       | 2422           | 13.5            | 12.64               | 13.50   |
|                                          | 6       | 2437           |                 | 14.67               | 15.50   |
|                                          | 8       | 2447           |                 | 12.29               | 13.00   |
|                                          | 9       | 2452           |                 | 9.19                | 10.50   |
| 802.11ax<br>HE20                         | 1       | 2412           | MCS0            | 12.90               | 14.00   |
|                                          | 6       | 2437           |                 | 14.40               | 15.50   |
|                                          | 11      | 2462           |                 | 12.23               | 13.00   |
| 802.11ax<br>HE40                         | 3       | 2422           | MCS0            | 12.76               | 13.50   |
|                                          | 6       | 2437           |                 | 14.78               | 15.50   |
|                                          | 8       | 2447           |                 | 12.22               | 13.50   |
|                                          | 9       | 2452           |                 | 9.37                | 10.50   |



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| WIFI 2.4G MIMO Product specific Non-DBS |         |                |                 |                     |                     |                     |         |
|-----------------------------------------|---------|----------------|-----------------|---------------------|---------------------|---------------------|---------|
| Mode                                    | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11b                                 | 1       | 2412           | 1               | 16.53               | 16.24               | <b>19.40</b>        | 20.50   |
|                                         | 6       | 2437           |                 | 16.39               | 16.22               | <b>19.32</b>        | 20.50   |
|                                         | 11      | 2462           |                 | 16.35               | 16.26               | <b>19.32</b>        | 20.50   |
| 802.11g                                 | 1       | 2412           | 6               | 12.84               | 12.72               | <b>15.79</b>        | 17.00   |
|                                         | 6       | 2437           |                 | 14.53               | 14.92               | <b>17.74</b>        | 18.50   |
|                                         | 11      | 2462           |                 | 13.01               | 12.77               | <b>15.90</b>        | 17.00   |
| 802.11n HT20                            | 1       | 2412           | 6.5             | 12.78               | 13.01               | <b>15.91</b>        | 16.50   |
|                                         | 6       | 2437           |                 | 14.48               | 14.30               | <b>17.40</b>        | 18.00   |
|                                         | 11      | 2462           |                 | 12.31               | 12.21               | <b>15.27</b>        | 16.00   |
| 802.11n HT40                            | 3       | 2422           | 13.5            | 12.68               | 12.64               | <b>15.67</b>        | 16.50   |
|                                         | 6       | 2437           |                 | 14.36               | 14.67               | <b>17.53</b>        | 18.50   |
|                                         | 8       | 2447           |                 | 12.35               | 12.29               | <b>15.33</b>        | 16.00   |
|                                         | 9       | 2452           |                 | 9.43                | 9.19                | <b>12.32</b>        | 13.50   |
| 802.11ax HE20                           | 1       | 2412           | MCS0            | 12.94               | 12.90               | <b>15.93</b>        | 17.00   |
|                                         | 6       | 2437           |                 | 14.39               | 14.40               | <b>17.41</b>        | 18.50   |
|                                         | 11      | 2462           |                 | 12.43               | 12.23               | <b>15.34</b>        | 16.00   |
| 802.11ax HE40                           | 3       | 2422           | MCS0            | 12.60               | 12.76               | <b>15.69</b>        | 16.50   |
|                                         | 6       | 2437           |                 | 14.53               | 14.78               | <b>17.67</b>        | 18.50   |
|                                         | 8       | 2447           |                 | 12.45               | 12.22               | <b>15.35</b>        | 16.50   |
|                                         | 9       | 2452           |                 | 9.51                | 9.37                | <b>12.45</b>        | 13.50   |

| WIFI 2.4G Ant 6 Product specific DBS |         |                |                 |                     |         |
|--------------------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                                 | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                              | 1       | 2412           | 1               | 13.08               | 14.00   |
|                                      | 6       | 2437           |                 | 12.85               | 14.00   |
|                                      | 11      | 2462           |                 | 12.88               | 14.00   |
| 802.11g                              | 1       | 2412           | 6               | 9.36                | 10.50   |
|                                      | 6       | 2437           |                 | 11.07               | 12.00   |
|                                      | 11      | 2462           |                 | 9.52                | 10.50   |
| 802.11n HT20                         | 1       | 2412           | 6.5             | 9.33                | 10.00   |
|                                      | 6       | 2437           |                 | 10.97               | 11.50   |
|                                      | 11      | 2462           |                 | 8.81                | 9.50    |
| 802.11n HT40                         | 3       | 2422           | 13.5            | 9.20                | 10.00   |
|                                      | 6       | 2437           |                 | 10.83               | 12.00   |
|                                      | 8       | 2447           |                 | 8.85                | 9.50    |
|                                      | 9       | 2452           |                 | 5.88                | 7.00    |
|                                      | 1       | 2412           | MCS0            | 9.43                | 10.50   |



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|------------------|----|------|------|-------|-------|
| 802.11ax<br>HE20 | 6  | 2437 |      | 10.92 | 12.00 |
|                  | 11 | 2462 |      | 8.97  | 9.50  |
| 802.11ax<br>HE40 | 3  | 2422 | MCS0 | 9.07  | 10.00 |
|                  | 6  | 2437 |      | 11.07 | 12.00 |
|                  | 8  | 2447 |      | 8.91  | 10.00 |
|                  | 9  | 2452 |      | 5.96  | 7.00  |

| WIFI 2.4G Ant 3 Product specific DBS |         |                |                 |                     |         |
|--------------------------------------|---------|----------------|-----------------|---------------------|---------|
| Mode                                 | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11b                              | 1       | 2412           | 1               | 12.77               | 14.00   |
|                                      | 6       | 2437           |                 | 12.75               | 14.00   |
|                                      | 11      | 2462           |                 | 12.77               | 14.00   |
| 802.11g                              | 1       | 2412           | 6               | 9.19                | 10.50   |
|                                      | 6       | 2437           |                 | 11.46               | 12.00   |
|                                      | 11      | 2462           |                 | 9.25                | 10.50   |
| 802.11n<br>HT20                      | 1       | 2412           | 6.5             | 9.49                | 10.00   |
|                                      | 6       | 2437           |                 | 10.76               | 11.50   |
|                                      | 11      | 2462           |                 | 8.74                | 9.50    |
| 802.11n<br>HT40                      | 3       | 2422           | 13.5            | 9.15                | 10.00   |
|                                      | 6       | 2437           |                 | 11.14               | 12.00   |
|                                      | 8       | 2447           |                 | 8.75                | 9.50    |
|                                      | 9       | 2452           |                 | 5.64                | 7.00    |
| 802.11ax<br>HE20                     | 1       | 2412           | MCS0            | 9.43                | 10.50   |
|                                      | 6       | 2437           |                 | 10.88               | 12.00   |
|                                      | 11      | 2462           |                 | 8.71                | 9.50    |
| 802.11ax<br>HE40                     | 3       | 2422           | MCS0            | 9.27                | 10.00   |
|                                      | 6       | 2437           |                 | 11.32               | 12.00   |
|                                      | 8       | 2447           |                 | 8.68                | 10.00   |
|                                      | 9       | 2452           |                 | 5.88                | 7.00    |

| WIFI 2.4G MIMO Product specific DBS |         |                |                 |                     |                     |                     |         |
|-------------------------------------|---------|----------------|-----------------|---------------------|---------------------|---------------------|---------|
| Mode                                | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11b                             | 1       | 2412           | 1               | 13.08               | 12.77               | <b>15.94</b>        | 17.00   |
|                                     | 6       | 2437           |                 | 12.85               | 12.75               | <b>15.81</b>        | 17.00   |
|                                     | 11      | 2462           |                 | 12.88               | 12.77               | <b>15.84</b>        | 17.00   |
| 802.11g                             | 1       | 2412           | 6               | 9.36                | 9.19                | <b>12.29</b>        | 13.50   |
|                                     | 6       | 2437           |                 | 11.07               | 11.46               | <b>14.28</b>        | 15.00   |
|                                     | 11      | 2462           |                 | 9.52                | 9.25                | <b>12.40</b>        | 13.50   |



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|------------------|----|------|------|-------|-------|--------------|-------|
| 802.11n<br>HT20  | 1  | 2412 | 6.5  | 9.33  | 9.49  | <b>12.42</b> | 13.00 |
|                  | 6  | 2437 |      | 10.97 | 10.76 | <b>13.88</b> | 14.50 |
|                  | 11 | 2462 |      | 8.81  | 8.74  | <b>11.79</b> | 12.50 |
| 802.11n<br>HT40  | 3  | 2422 | 13.5 | 9.20  | 9.15  | <b>12.19</b> | 13.00 |
|                  | 6  | 2437 |      | 10.83 | 11.14 | <b>14.00</b> | 15.00 |
|                  | 8  | 2447 |      | 8.85  | 8.75  | <b>11.81</b> | 12.50 |
|                  | 9  | 2452 |      | 5.88  | 5.64  | <b>8.77</b>  | 10.00 |
| 802.11ax<br>HE20 | 1  | 2412 | MCS0 | 9.43  | 9.43  | <b>12.44</b> | 13.50 |
|                  | 6  | 2437 |      | 10.92 | 10.88 | <b>13.91</b> | 15.00 |
|                  | 11 | 2462 |      | 8.97  | 8.71  | <b>11.85</b> | 12.50 |
| 802.11ax<br>HE40 | 3  | 2422 | MCS0 | 9.07  | 9.27  | <b>12.18</b> | 13.00 |
|                  | 6  | 2437 |      | 11.07 | 11.32 | <b>14.21</b> | 15.00 |
|                  | 8  | 2447 |      | 8.91  | 8.68  | <b>11.81</b> | 13.00 |
|                  | 9  | 2452 |      | 5.96  | 5.88  | <b>8.93</b>  | 10.00 |



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## 12.2 Conducted Power of 5G WIFI

| WIFI 5G Ant 5 Sensor off&Product specific 0mm |          |         |                |                 |                     |         |
|-----------------------------------------------|----------|---------|----------------|-----------------|---------------------|---------|
| Mode                                          | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11a                                       | U-NII-1  | 36      | 5180           | 6               | 16.44               | 17.50   |
|                                               |          | 40      | 5200           |                 | 16.33               | 17.50   |
|                                               |          | 44      | 5220           |                 | 16.52               | 17.50   |
|                                               |          | 48      | 5240           |                 | 16.94               | 17.50   |
|                                               | U-NII-2A | 52      | 5260           |                 | 17.02               | 18.50   |
|                                               |          | 56      | 5280           |                 | 17.14               | 18.50   |
|                                               |          | 60      | 5300           |                 | 17.23               | 18.50   |
|                                               |          | 64      | 5320           |                 | 17.16               | 18.50   |
|                                               | U-NII-2C | 100     | 5500           |                 | 17.31               | 18.50   |
|                                               |          | 104     | 5520           |                 | 17.69               | 18.50   |
|                                               |          | 108     | 5540           |                 | 17.88               | 18.50   |
|                                               |          | 112     | 5560           |                 | 18.03               | 18.50   |
|                                               |          | 116     | 5580           |                 | 18.10               | 18.50   |
|                                               |          | 120     | 5600           |                 | 18.16               | 18.50   |
|                                               |          | 124     | 5620           |                 | 17.88               | 18.50   |
|                                               |          | 128     | 5640           |                 | 17.84               | 18.50   |
|                                               |          | 132     | 5660           |                 | 17.88               | 18.50   |
|                                               |          | 136     | 5680           |                 | 17.56               | 18.50   |
|                                               |          | 140     | 5700           |                 | 17.32               | 18.50   |
|                                               |          | 144     | 5720           |                 | 17.48               | 18.50   |
|                                               | U-NII-3  | 149     | 5745           |                 | 20.44               | 21.50   |
|                                               |          | 153     | 5765           |                 | 20.32               | 21.50   |
|                                               |          | 157     | 5785           |                 | 20.30               | 21.50   |
|                                               |          | 161     | 5805           |                 | 20.52               | 21.50   |
|                                               |          | 165     | 5825           |                 | 21.07               | 21.50   |
| Mode                                          | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11n-HT20                                  | U-NII-1  | 36      | 5180           | MCS0            | 17.81               | 19.00   |
|                                               |          | 40      | 5200           |                 | 17.32               | 19.00   |
|                                               |          | 44      | 5220           |                 | 17.45               | 19.00   |
|                                               |          | 48      | 5240           |                 | 17.88               | 19.00   |
|                                               | U-NII-2A | 52      | 5260           |                 | 18.06               | 19.00   |
|                                               |          | 56      | 5280           |                 | 17.52               | 19.00   |
|                                               |          | 60      | 5300           |                 | 18.01               | 19.00   |
|                                               |          | 64      | 5320           |                 | 18.13               | 19.00   |
|                                               | U-NII-2C | 100     | 5500           |                 | 18.20               | 19.00   |
|                                               |          | 104     | 5520           |                 | 18.31               | 19.00   |



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|                |          | 108     | 5540           |                 | 18.43               | 19.00   |
|----------------|----------|---------|----------------|-----------------|---------------------|---------|
|                |          | 112     | 5560           |                 | 18.45               | 19.00   |
|                |          | 116     | 5580           |                 | 18.50               | 19.00   |
|                |          | 120     | 5600           |                 | 18.40               | 19.00   |
|                |          | 124     | 5620           |                 | 18.23               | 19.00   |
|                |          | 128     | 5640           |                 | 18.18               | 19.00   |
|                |          | 132     | 5660           |                 | 18.12               | 19.00   |
|                |          | 136     | 5680           |                 | 18.03               | 19.00   |
|                |          | 140     | 5700           |                 | 17.88               | 19.00   |
|                |          | 144     | 5720           |                 | 18.10               | 19.00   |
|                | U-NII-3  | 149     | 5745           |                 | 20.03               | 21.50   |
|                |          | 153     | 5765           |                 | 20.01               | 21.50   |
|                |          | 157     | 5785           |                 | 20.26               | 21.50   |
|                |          | 161     | 5805           |                 | 20.55               | 21.50   |
|                |          | 165     | 5825           |                 | 20.64               | 21.50   |
| Mode           | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11n-HT40   | U-NII-1  | 38      | 5190           | MCS0            | 19.43               | 20.50   |
|                |          | 46      | 5230           |                 | 19.40               | 20.50   |
|                | U-NII-2A | 54      | 5270           |                 | 19.52               | 20.50   |
|                |          | 62      | 5310           |                 | 19.71               | 20.50   |
|                | U-NII-2C | 102     | 5510           |                 | 19.89               | 20.50   |
|                |          | 110     | 5550           |                 | 19.72               | 20.50   |
|                |          | 118     | 5590           |                 | 19.43               | 20.50   |
|                |          | 126     | 5630           |                 | 19.30               | 20.50   |
|                |          | 134     | 5670           |                 | 19.23               | 20.50   |
|                |          | 142     | 5710           |                 | 19.59               | 20.50   |
|                | U-NII-3  | 151     | 5755           |                 | 20.32               | 21.00   |
|                |          | 159     | 5795           |                 | 20.32               | 21.00   |
| Mode           | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ac VHT20 | U-NII-1  | 36      | 5180           | MCS0            | 17.80               | 19.00   |
|                |          | 40      | 5200           |                 | 17.34               | 19.00   |
|                |          | 44      | 5220           |                 | 17.43               | 19.00   |
|                |          | 48      | 5240           |                 | 17.80               | 19.00   |
|                | U-NII-2A | 52      | 5260           |                 | 18.03               | 19.00   |
|                |          | 56      | 5280           |                 | 17.50               | 19.00   |
|                |          | 60      | 5300           |                 | 18.00               | 19.00   |
|                |          | 64      | 5320           |                 | 18.03               | 19.00   |
|                | U-NII-2C | 100     | 5500           |                 | 18.19               | 19.00   |
|                |          | 104     | 5520           |                 | 18.32               | 19.00   |
|                |          | 108     | 5540           |                 | 18.46               | 19.00   |



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|                 |                    | 112     | 5560           |                 | 18.40               | 19.00   |
|-----------------|--------------------|---------|----------------|-----------------|---------------------|---------|
|                 |                    | 116     | 5580           |                 | 18.32               | 19.00   |
|                 |                    | 120     | 5600           |                 | 18.40               | 19.00   |
|                 |                    | 124     | 5620           |                 | 18.23               | 19.00   |
|                 |                    | 128     | 5640           |                 | 18.20               | 19.00   |
|                 |                    | 132     | 5660           |                 | 18.10               | 19.00   |
|                 |                    | 136     | 5680           |                 | 18.01               | 19.00   |
|                 |                    | 140     | 5700           |                 | 17.85               | 19.00   |
|                 |                    | 144     | 5720           |                 | 18.03               | 19.00   |
|                 | U-NII-3            | 149     | 5745           |                 | 19.53               | 20.50   |
|                 |                    | 153     | 5765           |                 | 19.43               | 20.50   |
|                 |                    | 157     | 5785           |                 | 19.32               | 20.50   |
|                 |                    | 161     | 5805           |                 | 19.61               | 20.50   |
|                 |                    | 165     | 5825           |                 | 19.63               | 20.50   |
| Mode            | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ac VHT40  | U-NII-1            | 38      | 5190           | MCS0            | 19.40               | 20.50   |
|                 |                    | 46      | 5230           |                 | 19.41               | 20.50   |
|                 | U-NII-2A           | 54      | 5270           |                 | 19.49               | 20.50   |
|                 |                    | 62      | 5310           |                 | 19.69               | 20.50   |
|                 | U-NII-2C           | 102     | 5510           |                 | 19.91               | 20.50   |
|                 |                    | 110     | 5550           |                 | 19.70               | 20.50   |
|                 |                    | 118     | 5590           |                 | 19.35               | 20.50   |
|                 |                    | 126     | 5630           |                 | 19.30               | 20.50   |
|                 |                    | 134     | 5670           |                 | 19.24               | 20.50   |
|                 |                    | 142     | 5710           |                 | 19.58               | 20.50   |
|                 | U-NII-3            | 151     | 5755           |                 | 20.30               | 21.00   |
|                 |                    | 159     | 5795           |                 | 20.28               | 21.00   |
| Mode            | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ac VHT80  | U-NII-1            | 42      | 5210           | MCS0            | 19.32               | 20.00   |
|                 | U-NII-2A           | 58      | 5290           |                 | 19.01               | 20.00   |
|                 | U-NII-2C           | 106     | 5530           |                 | 17.80               | 19.00   |
|                 |                    | 122     | 5610           |                 | 19.60               | 20.50   |
|                 |                    | 138     | 5690           |                 | 19.65               | 20.50   |
|                 | U-NII-3            | 155     | 5775           |                 | 20.32               | 21.00   |
| Mode            | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ac VHT160 | U-NII-1 & U-NII-2A | 50      | 5250           | MCS0            | 16.50               | 17.50   |
|                 | U-NII-2C           | 114     | 5570           |                 | 16.23               | 17.50   |
| Mode            | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |



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| 802.11ax<br>HEW20 | U-NII-1  | 36      | 5180           | MCS0            | 17.85               | 19.00   |
|-------------------|----------|---------|----------------|-----------------|---------------------|---------|
|                   |          | 40      | 5200           |                 | 17.36               | 19.00   |
|                   |          | 44      | 5220           |                 | 17.58               | 19.00   |
|                   |          | 48      | 5240           |                 | 17.98               | 19.00   |
|                   | U-NII-2A | 52      | 5260           |                 | 18.08               | 19.00   |
|                   |          | 56      | 5280           |                 | 17.53               | 19.00   |
|                   |          | 60      | 5300           |                 | 18.06               | 19.00   |
|                   |          | 64      | 5320           |                 | 18.19               | 19.00   |
|                   | U-NII-2C | 100     | 5500           |                 | 18.28               | 19.00   |
|                   |          | 104     | 5520           |                 | 18.32               | 19.00   |
|                   |          | 108     | 5540           |                 | 18.45               | 19.00   |
|                   |          | 112     | 5560           |                 | 18.51               | 19.00   |
|                   |          | 116     | 5580           |                 | 18.59               | 19.00   |
|                   |          | 120     | 5600           |                 | 18.43               | 19.00   |
|                   |          | 124     | 5620           |                 | 18.26               | 19.00   |
|                   |          | 128     | 5640           |                 | 18.21               | 19.00   |
|                   |          | 132     | 5660           |                 | 18.22               | 19.00   |
|                   |          | 136     | 5680           |                 | 18.06               | 19.00   |
|                   |          | 140     | 5700           |                 | 17.83               | 19.00   |
|                   |          | 144     | 5720           |                 | 18.11               | 19.00   |
|                   | U-NII-3  | 149     | 5745           |                 | 20.05               | 21.50   |
|                   |          | 153     | 5765           |                 | 20.03               | 21.50   |
|                   |          | 157     | 5785           |                 | 20.41               | 21.50   |
|                   |          | 161     | 5805           |                 | 20.65               | 21.50   |
|                   |          | 165     | 5825           |                 | 20.71               | 21.50   |
| Mode              | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ax<br>HEW40 | U-NII-1  | 38      | 5190           | MCS0            | 19.46               | 20.50   |
|                   |          | 46      | 5230           |                 | 19.41               | 20.50   |
|                   | U-NII-2A | 54      | 5270           |                 | 19.66               | 20.50   |
|                   |          | 62      | 5310           |                 | 19.74               | 20.50   |
|                   | U-NII-2C | 102     | 5510           |                 | 19.92               | 20.50   |
|                   |          | 110     | 5550           |                 | 19.74               | 20.50   |
|                   |          | 118     | 5590           |                 | 19.45               | 20.50   |
|                   |          | 126     | 5630           |                 | 19.32               | 20.50   |
|                   |          | 134     | 5670           |                 | 19.25               | 20.50   |
|                   |          | 142     | 5710           |                 | 19.66               | 20.50   |
|                   |          | 151     | 5755           |                 | 20.54               | 21.00   |
|                   | U-NII-3  | 159     | 5795           |                 | 20.60               | 21.00   |
| Mode              | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
|                   | U-NII-1  | 42      | 5210           | MCS0            | 19.41               | 20.00   |



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|                    |                    |         |                |                 |                     |         |
|--------------------|--------------------|---------|----------------|-----------------|---------------------|---------|
| 802.11ax<br>HEW80  | U-NII-2A           | 58      | 5290           |                 | 19.02               | 20.00   |
|                    | U-NII-2C           | 106     | 5530           |                 | 17.84               | 19.00   |
|                    |                    | 122     | 5610           |                 | 19.62               | 20.50   |
|                    |                    | 138     | 5690           |                 | 19.66               | 20.50   |
|                    | U-NII-3            | 155     | 5775           |                 | 20.40               | 21.00   |
| Mode               | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ax<br>HEW160 | U-NII-1 & U-NII-2A | 50      | 5250           | MCS0            | 16.55               | 17.50   |
|                    | U-NII-2C           | 114     | 5570           |                 | 16.27               | 17.50   |

| WIFI 5G Ant 4 Sensor off&Product specific 0mm |          |         |                |                 |                     |         |
|-----------------------------------------------|----------|---------|----------------|-----------------|---------------------|---------|
| Mode                                          | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11a                                       | U-NII-1  | 36      | 5180           | 6               | 17.63               | 18.50   |
|                                               |          | 40      | 5200           |                 | 17.29               | 18.50   |
|                                               |          | 44      | 5220           |                 | 17.36               | 18.50   |
|                                               |          | 48      | 5240           |                 | 18.03               | 18.50   |
|                                               | U-NII-2A | 52      | 5260           |                 | 17.47               | 18.50   |
|                                               |          | 56      | 5280           |                 | 17.76               | 18.50   |
|                                               |          | 60      | 5300           |                 | 17.65               | 18.50   |
|                                               |          | 64      | 5320           |                 | 17.54               | 18.50   |
|                                               | U-NII-2C | 100     | 5500           |                 | 16.87               | 18.50   |
|                                               |          | 104     | 5520           |                 | 17.32               | 18.50   |
|                                               |          | 108     | 5540           |                 | 17.03               | 18.50   |
|                                               |          | 112     | 5560           |                 | 17.01               | 18.50   |
|                                               |          | 116     | 5580           |                 | 16.98               | 18.50   |
|                                               |          | 120     | 5600           |                 | 17.13               | 18.50   |
|                                               |          | 124     | 5620           |                 | 16.88               | 18.50   |
|                                               |          | 128     | 5640           |                 | 16.84               | 18.50   |
|                                               |          | 132     | 5660           |                 | 16.59               | 18.50   |
|                                               |          | 136     | 5680           |                 | 16.88               | 18.50   |
|                                               |          | 140     | 5700           |                 | 16.50               | 18.50   |
|                                               |          | 144     | 5720           |                 | 17.67               | 18.50   |
|                                               | U-NII-3  | 149     | 5745           |                 | 20.94               | 21.50   |
|                                               |          | 153     | 5765           |                 | 20.88               | 21.50   |
|                                               |          | 157     | 5785           |                 | 21.10               | 21.50   |
|                                               |          | 161     | 5805           |                 | 20.69               | 21.50   |
|                                               |          | 165     | 5825           |                 | 21.18               | 21.50   |
| Mode                                          | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11n-HT20                                  | U-NII-1  | 36      | 5180           | MCS0            | 18.69               | 19.00   |



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|                |          | 40      | 5200           |                 | 18.36               | 19.00   |
|----------------|----------|---------|----------------|-----------------|---------------------|---------|
|                |          | 44      | 5220           |                 | 18.21               | 19.00   |
|                |          | 48      | 5240           |                 | 18.54               | 19.00   |
|                | U-NII-2A | 52      | 5260           |                 | 18.03               | 19.00   |
|                |          | 56      | 5280           |                 | 17.88               | 19.00   |
|                |          | 60      | 5300           |                 | 18.01               | 19.00   |
|                |          | 64      | 5320           |                 | 18.32               | 19.00   |
|                | U-NII-2C | 100     | 5500           |                 | 18.30               | 19.00   |
|                |          | 104     | 5520           |                 | 18.25               | 19.00   |
|                |          | 108     | 5540           |                 | 18.35               | 19.00   |
|                |          | 112     | 5560           |                 | 18.06               | 19.00   |
|                |          | 116     | 5580           |                 | 17.65               | 19.00   |
|                |          | 120     | 5600           |                 | 17.88               | 19.00   |
|                |          | 124     | 5620           |                 | 18.01               | 19.00   |
|                |          | 128     | 5640           |                 | 17.52               | 19.00   |
|                |          | 132     | 5660           |                 | 17.65               | 19.00   |
|                |          | 136     | 5680           |                 | 17.52               | 19.00   |
|                |          | 140     | 5700           |                 | 17.20               | 19.00   |
|                |          | 144     | 5720           |                 | 17.88               | 19.00   |
|                | U-NII-3  | 149     | 5745           |                 | 20.61               | 21.50   |
|                |          | 153     | 5765           |                 | 20.64               | 21.50   |
|                |          | 157     | 5785           |                 | 20.74               | 21.50   |
|                |          | 161     | 5805           |                 | 20.79               | 21.50   |
|                |          | 165     | 5825           |                 | 20.88               | 21.50   |
| Mode           | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11n-HT40   | U-NII-1  | 38      | 5190           | MCS0            | 19.65               | 20.50   |
|                |          | 46      | 5230           |                 | 19.65               | 20.50   |
|                | U-NII-2A | 54      | 5270           |                 | 19.23               | 20.50   |
|                |          | 62      | 5310           |                 | 19.45               | 20.50   |
|                | U-NII-2C | 102     | 5510           |                 | 19.65               | 20.50   |
|                |          | 110     | 5550           |                 | 19.63               | 20.50   |
|                |          | 118     | 5590           |                 | 18.85               | 20.50   |
|                |          | 126     | 5630           |                 | 18.74               | 20.50   |
|                |          | 134     | 5670           |                 | 18.88               | 20.50   |
|                |          | 142     | 5710           |                 | 19.01               | 20.50   |
|                | U-NII-3  | 151     | 5755           |                 | 19.87               | 21.00   |
|                |          | 159     | 5795           |                 | 20.13               | 21.00   |
| Mode           | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ac VHT20 | U-NII-1  | 36      | 5180           | MCS0            | 18.63               | 19.00   |
|                |          | 40      | 5200           |                 | 18.32               | 19.00   |



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|                   |          | 44      | 5220           |                 | 18.20               | 19.00   |
|-------------------|----------|---------|----------------|-----------------|---------------------|---------|
|                   |          | 48      | 5240           |                 | 18.51               | 19.00   |
|                   | U-NII-2A | 52      | 5260           |                 | 18.01               | 19.00   |
|                   |          | 56      | 5280           |                 | 17.85               | 19.00   |
|                   |          | 60      | 5300           |                 | 18.00               | 19.00   |
|                   |          | 64      | 5320           |                 | 18.30               | 19.00   |
|                   | U-NII-2C | 100     | 5500           |                 | 18.25               | 19.00   |
|                   |          | 104     | 5520           |                 | 18.26               | 19.00   |
|                   |          | 108     | 5540           |                 | 18.37               | 19.00   |
|                   |          | 112     | 5560           |                 | 18.04               | 19.00   |
|                   |          | 116     | 5580           |                 | 17.63               | 19.00   |
|                   |          | 120     | 5600           |                 | 17.95               | 19.00   |
|                   |          | 124     | 5620           |                 | 18.01               | 19.00   |
|                   |          | 128     | 5640           |                 | 17.52               | 19.00   |
|                   |          | 132     | 5660           |                 | 17.60               | 19.00   |
|                   |          | 136     | 5680           |                 | 17.58               | 19.00   |
|                   |          | 140     | 5700           |                 | 17.18               | 19.00   |
|                   |          | 144     | 5720           |                 | 17.65               | 19.00   |
|                   | U-NII-3  | 149     | 5745           |                 | 19.88               | 20.50   |
|                   |          | 153     | 5765           |                 | 19.98               | 20.50   |
|                   |          | 157     | 5785           |                 | 20.03               | 20.50   |
|                   |          | 161     | 5805           |                 | 20.11               | 20.50   |
|                   |          | 165     | 5825           |                 | 19.83               | 20.50   |
| Mode              | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ac<br>VHT40 | U-NII-1  | 38      | 5190           | MCS0            | 19.60               | 20.50   |
|                   |          | 46      | 5230           |                 | 19.61               | 20.50   |
|                   | U-NII-2A | 54      | 5270           |                 | 19.24               | 20.50   |
|                   |          | 62      | 5310           |                 | 19.43               | 20.50   |
|                   | U-NII-2C | 102     | 5510           |                 | 19.60               | 20.50   |
|                   |          | 110     | 5550           |                 | 19.61               | 20.50   |
|                   |          | 118     | 5590           |                 | 18.85               | 20.50   |
|                   |          | 126     | 5630           |                 | 18.72               | 20.50   |
|                   |          | 134     | 5670           |                 | 18.84               | 20.50   |
|                   |          | 142     | 5710           |                 | 19.00               | 20.50   |
|                   | U-NII-3  | 151     | 5755           |                 | 19.85               | 21.00   |
|                   |          | 159     | 5795           |                 | 20.00               | 21.00   |
| Mode              | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ac<br>VHT80 | U-NII-1  | 42      | 5210           | MCS0            | 19.01               | 20.00   |
|                   | U-NII-2A | 58      | 5290           |                 | 18.61               | 20.00   |
|                   | U-NII-2C | 106     | 5530           |                 | 18.53               | 19.00   |



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|                 |                    | 122     | 5610           |                 | 18.85               | 20.50   |
|-----------------|--------------------|---------|----------------|-----------------|---------------------|---------|
|                 |                    | 138     | 5690           |                 | 19.21               | 20.50   |
|                 | U-NII-3            | 155     | 5775           |                 | 19.32               | 21.00   |
| Mode            | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ac VHT160 | U-NII-1 & U-NII-2A | 50      | 5250           | MCS0            | 17.16               | 17.50   |
|                 | U-NII-2C           | 114     | 5570           |                 | 16.59               | 17.50   |
| Mode            | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ax HEW20  | U-NII-1            | 36      | 5180           | MCS0            | 18.70               | 19.00   |
|                 |                    | 40      | 5200           |                 | 18.38               | 19.00   |
|                 |                    | 44      | 5220           |                 | 18.26               | 19.00   |
|                 |                    | 48      | 5240           |                 | 18.55               | 19.00   |
|                 | U-NII-2A           | 52      | 5260           |                 | 18.06               | 19.00   |
|                 |                    | 56      | 5280           |                 | 17.94               | 19.00   |
|                 |                    | 60      | 5300           |                 | 18.10               | 19.00   |
|                 |                    | 64      | 5320           |                 | 18.36               | 19.00   |
|                 | U-NII-2C           | 100     | 5500           |                 | 18.32               | 19.00   |
|                 |                    | 104     | 5520           |                 | 18.30               | 19.00   |
|                 |                    | 108     | 5540           |                 | 18.41               | 19.00   |
|                 |                    | 112     | 5560           |                 | 18.06               | 19.00   |
|                 |                    | 116     | 5580           |                 | 17.72               | 19.00   |
|                 |                    | 120     | 5600           |                 | 17.98               | 19.00   |
|                 |                    | 124     | 5620           |                 | 18.03               | 19.00   |
|                 |                    | 128     | 5640           |                 | 17.56               | 19.00   |
|                 |                    | 132     | 5660           |                 | 17.64               | 19.00   |
|                 |                    | 136     | 5680           |                 | 17.59               | 19.00   |
|                 |                    | 140     | 5700           |                 | 17.21               | 19.00   |
|                 |                    | 144     | 5720           |                 | 18.07               | 19.00   |
|                 | U-NII-3            | 149     | 5745           |                 | 20.68               | 21.50   |
|                 |                    | 153     | 5765           |                 | 20.74               | 21.50   |
|                 |                    | 157     | 5785           |                 | 20.89               | 21.50   |
|                 |                    | 161     | 5805           |                 | 20.95               | 21.50   |
|                 |                    | 165     | 5825           |                 | 20.90               | 21.50   |
| Mode            | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ax HEW40  | U-NII-1            | 38      | 5190           | MCS0            | 19.78               | 20.50   |
|                 |                    | 46      | 5230           |                 | 19.75               | 20.50   |
|                 | U-NII-2A           | 54      | 5270           |                 | 19.38               | 20.50   |
|                 |                    | 62      | 5310           |                 | 19.56               | 20.50   |
|                 | U-NII-2C           | 102     | 5510           |                 | 19.66               | 20.50   |
|                 |                    | 110     | 5550           |                 | 19.68               | 20.50   |



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|                 |                    | 118     | 5590           |                 | 18.88               | 20.50   |
|-----------------|--------------------|---------|----------------|-----------------|---------------------|---------|
|                 |                    | 126     | 5630           |                 | 18.74               | 20.50   |
|                 |                    | 134     | 5670           |                 | 18.69               | 20.50   |
|                 |                    | 142     | 5710           |                 | 19.02               | 20.50   |
|                 | U-NII-3            | 151     | 5755           |                 | 19.99               | 21.00   |
|                 |                    | 159     | 5795           |                 | 20.26               | 21.00   |
| Mode            | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ax HEW80  | U-NII-1            | 42      | 5210           | MCS0            | 19.08               | 20.00   |
|                 | U-NII-2A           | 58      | 5290           |                 | 18.62               | 20.00   |
|                 | U-NII-2C           | 106     | 5530           |                 | 18.57               | 19.00   |
|                 |                    | 122     | 5610           |                 | 19.00               | 20.50   |
|                 |                    | 138     | 5690           |                 | 19.22               | 20.50   |
|                 | U-NII-3            | 155     | 5775           |                 | 19.49               | 21.00   |
| Mode            | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ax HEW160 | U-NII-1 & U-NII-2A | 50      | 5250           | MCS0            | 17.27               | 17.50   |
|                 | U-NII-2C           | 114     | 5570           |                 | 16.73               | 17.50   |

| WIFI 5G MIMO Sensor off&Product specific 0mm |          |         |                |                 |                     |                     |                     |         |
|----------------------------------------------|----------|---------|----------------|-----------------|---------------------|---------------------|---------------------|---------|
| Mode                                         | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11a                                      | U-NII-1  | 36      | 5180           | 6               | 16.44               | 17.63               | <b>20.09</b>        | 21.00   |
|                                              |          | 40      | 5200           |                 | 16.33               | 17.29               | <b>19.85</b>        | 21.00   |
|                                              |          | 44      | 5220           |                 | 16.52               | 17.36               | <b>19.97</b>        | 21.00   |
|                                              |          | 48      | 5240           |                 | 16.94               | 18.03               | <b>20.53</b>        | 21.00   |
|                                              | U-NII-2A | 52      | 5260           |                 | 17.02               | 17.47               | <b>20.26</b>        | 21.50   |
|                                              |          | 56      | 5280           |                 | 17.14               | 17.76               | <b>20.47</b>        | 21.50   |
|                                              |          | 60      | 5300           |                 | 17.23               | 17.65               | <b>20.46</b>        | 21.50   |
|                                              |          | 64      | 5320           |                 | 17.16               | 17.54               | <b>20.36</b>        | 21.50   |
|                                              | U-NII-2C | 100     | 5500           |                 | 17.31               | 16.87               | <b>20.11</b>        | 21.50   |
|                                              |          | 104     | 5520           |                 | 17.69               | 17.32               | <b>20.52</b>        | 21.50   |
|                                              |          | 108     | 5540           |                 | 17.88               | 17.03               | <b>20.49</b>        | 21.50   |
|                                              |          | 112     | 5560           |                 | 18.03               | 17.01               | <b>20.56</b>        | 21.50   |
|                                              |          | 116     | 5580           |                 | 18.10               | 16.98               | <b>20.59</b>        | 21.50   |
|                                              |          | 120     | 5600           |                 | 18.16               | 17.13               | <b>20.69</b>        | 21.50   |
|                                              |          | 124     | 5620           |                 | 17.88               | 16.88               | <b>20.42</b>        | 21.50   |
|                                              |          | 128     | 5640           |                 | 17.84               | 16.84               | <b>20.38</b>        | 21.50   |
|                                              |          | 132     | 5660           |                 | 17.88               | 16.59               | <b>20.29</b>        | 21.50   |
|                                              |          | 136     | 5680           |                 | 17.56               | 16.88               | <b>20.24</b>        | 21.50   |



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|              |          | 140     | 5700           |                 | 17.32               | 16.50               | <b>19.94</b>        | 21.50   |
|--------------|----------|---------|----------------|-----------------|---------------------|---------------------|---------------------|---------|
|              |          | 144     | 5720           |                 | 17.48               | 17.67               | <b>20.59</b>        | 21.50   |
|              | U-NII-3  | 149     | 5745           |                 | 20.44               | 20.94               | <b>23.71</b>        | 24.50   |
|              |          | 153     | 5765           |                 | 20.32               | 20.88               | <b>23.62</b>        | 24.50   |
|              |          | 157     | 5785           |                 | 20.30               | 21.10               | <b>23.73</b>        | 24.50   |
|              |          | 161     | 5805           |                 | 20.52               | 20.69               | <b>23.62</b>        | 24.50   |
|              |          | 165     | 5825           |                 | 21.07               | 21.18               | <b>24.14</b>        | 24.50   |
| Mode         | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11n-HT20 | U-NII-1  | 36      | 5180           | MCS0            | 17.81               | 18.69               | <b>21.28</b>        | 22.00   |
|              |          | 40      | 5200           |                 | 17.32               | 18.36               | <b>20.88</b>        | 22.00   |
|              |          | 44      | 5220           |                 | 17.45               | 18.21               | <b>20.86</b>        | 22.00   |
|              |          | 48      | 5240           |                 | 17.88               | 18.54               | <b>21.23</b>        | 22.00   |
|              | U-NII-2A | 52      | 5260           |                 | 18.06               | 18.03               | <b>21.06</b>        | 22.00   |
|              |          | 56      | 5280           |                 | 17.52               | 17.88               | <b>20.71</b>        | 22.00   |
|              |          | 60      | 5300           |                 | 18.01               | 18.01               | <b>21.02</b>        | 22.00   |
|              |          | 64      | 5320           |                 | 18.13               | 18.32               | <b>21.24</b>        | 22.00   |
|              | U-NII-2C | 100     | 5500           |                 | 18.20               | 18.30               | <b>21.26</b>        | 22.00   |
|              |          | 104     | 5520           |                 | 18.31               | 18.25               | <b>21.29</b>        | 22.00   |
|              |          | 108     | 5540           |                 | 18.43               | 18.35               | <b>21.40</b>        | 22.00   |
|              |          | 112     | 5560           |                 | 18.45               | 18.06               | <b>21.27</b>        | 22.00   |
|              |          | 116     | 5580           |                 | 18.50               | 17.65               | <b>21.11</b>        | 22.00   |
|              |          | 120     | 5600           |                 | 18.40               | 17.88               | <b>21.16</b>        | 22.00   |
|              |          | 124     | 5620           |                 | 18.23               | 18.01               | <b>21.13</b>        | 22.00   |
|              |          | 128     | 5640           |                 | 18.18               | 17.52               | <b>20.87</b>        | 22.00   |
|              |          | 132     | 5660           |                 | 18.12               | 17.65               | <b>20.90</b>        | 22.00   |
|              |          | 136     | 5680           |                 | 18.03               | 17.52               | <b>20.79</b>        | 22.00   |
|              |          | 140     | 5700           |                 | 17.88               | 17.20               | <b>20.56</b>        | 22.00   |
|              |          | 144     | 5720           |                 | 18.10               | 17.88               | <b>21.00</b>        | 22.00   |
|              | U-NII-3  | 149     | 5745           |                 | 20.03               | 20.61               | <b>23.34</b>        | 24.50   |
|              |          | 153     | 5765           |                 | 20.01               | 20.64               | <b>23.35</b>        | 24.50   |
|              |          | 157     | 5785           |                 | 20.26               | 20.74               | <b>23.52</b>        | 24.50   |
|              |          | 161     | 5805           |                 | 20.55               | 20.79               | <b>23.68</b>        | 24.50   |
|              |          | 165     | 5825           |                 | 20.64               | 20.88               | <b>23.77</b>        | 24.50   |
| Mode         | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11n-HT40 | U-NII-1  | 38      | 5190           | MCS0            | 19.43               | 19.65               | <b>22.55</b>        | 23.50   |
|              |          | 46      | 5230           |                 | 19.40               | 19.65               | <b>22.54</b>        | 23.50   |
|              | U-NII-2A | 54      | 5270           |                 | 19.52               | 19.23               | <b>22.39</b>        | 23.50   |
|              |          | 62      | 5310           |                 | 19.71               | 19.45               | <b>22.59</b>        | 23.50   |
|              | U-NII-2C | 102     | 5510           |                 | 19.89               | 19.65               | <b>22.78</b>        | 23.50   |



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|                |          | 110     | 5550           |                 | 19.72               | 19.63               | <b>22.69</b>        | 23.50   |
|----------------|----------|---------|----------------|-----------------|---------------------|---------------------|---------------------|---------|
|                |          | 118     | 5590           |                 | 19.43               | 18.85               | <b>22.16</b>        | 23.50   |
|                |          | 126     | 5630           |                 | 19.30               | 18.74               | <b>22.04</b>        | 23.50   |
|                |          | 134     | 5670           |                 | 19.23               | 18.88               | <b>22.07</b>        | 23.50   |
|                |          | 142     | 5710           |                 | 19.59               | 19.01               | <b>22.32</b>        | 23.50   |
|                | U-NII-3  | 151     | 5755           |                 | 20.32               | 19.87               | <b>23.11</b>        | 24.00   |
|                |          | 159     | 5795           |                 | 20.32               | 20.13               | <b>23.24</b>        | 24.00   |
| Mode           | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11ac VHT20 | U-NII-1  | 36      | 5180           | MCS0            | 17.80               | 18.63               | <b>21.25</b>        | 22.00   |
|                |          | 40      | 5200           |                 | 17.34               | 18.32               | <b>20.87</b>        | 22.00   |
|                |          | 44      | 5220           |                 | 17.43               | 18.20               | <b>20.84</b>        | 22.00   |
|                |          | 48      | 5240           |                 | 17.80               | 18.51               | <b>21.18</b>        | 22.00   |
|                | U-NII-2A | 52      | 5260           |                 | 18.03               | 18.01               | <b>21.03</b>        | 22.00   |
|                |          | 56      | 5280           |                 | 17.50               | 17.85               | <b>20.69</b>        | 22.00   |
|                |          | 60      | 5300           |                 | 18.00               | 18.00               | <b>21.01</b>        | 22.00   |
|                |          | 64      | 5320           |                 | 18.03               | 18.30               | <b>21.18</b>        | 22.00   |
|                | U-NII-2C | 100     | 5500           |                 | 18.19               | 18.25               | <b>21.23</b>        | 22.00   |
|                |          | 104     | 5520           |                 | 18.32               | 18.26               | <b>21.30</b>        | 22.00   |
|                |          | 108     | 5540           |                 | 18.46               | 18.37               | <b>21.43</b>        | 22.00   |
|                |          | 112     | 5560           |                 | 18.40               | 18.04               | <b>21.23</b>        | 22.00   |
|                |          | 116     | 5580           |                 | 18.32               | 17.63               | <b>21.00</b>        | 22.00   |
|                |          | 120     | 5600           |                 | 18.40               | 17.95               | <b>21.19</b>        | 22.00   |
|                |          | 124     | 5620           |                 | 18.23               | 18.01               | <b>21.13</b>        | 22.00   |
|                |          | 128     | 5640           |                 | 18.20               | 17.52               | <b>20.88</b>        | 22.00   |
|                |          | 132     | 5660           |                 | 18.10               | 17.60               | <b>20.87</b>        | 22.00   |
|                |          | 136     | 5680           |                 | 18.01               | 17.58               | <b>20.81</b>        | 22.00   |
|                |          | 140     | 5700           |                 | 17.85               | 17.18               | <b>20.54</b>        | 22.00   |
|                |          | 144     | 5720           |                 | 18.03               | 17.65               | <b>20.85</b>        | 22.00   |
|                | U-NII-3  | 149     | 5745           |                 | 19.53               | 19.88               | <b>22.72</b>        | 23.50   |
|                |          | 153     | 5765           |                 | 19.43               | 19.98               | <b>22.72</b>        | 23.50   |
|                |          | 157     | 5785           |                 | 19.32               | 20.03               | <b>22.70</b>        | 23.50   |
|                |          | 161     | 5805           |                 | 19.61               | 20.11               | <b>22.88</b>        | 23.50   |
|                |          | 165     | 5825           |                 | 19.63               | 19.83               | <b>22.74</b>        | 23.50   |
| Mode           | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11ac VHT40 | U-NII-1  | 38      | 5190           | MCS0            | 19.40               | 19.60               | <b>22.51</b>        | 23.50   |
|                |          | 46      | 5230           |                 | 19.41               | 19.61               | <b>22.52</b>        | 23.50   |
|                | U-NII-2A | 54      | 5270           |                 | 19.49               | 19.24               | <b>22.38</b>        | 23.50   |
|                |          | 62      | 5310           |                 | 19.69               | 19.43               | <b>22.57</b>        | 23.50   |
|                | U-NII-2C | 102     | 5510           |                 | 19.91               | 19.60               | <b>22.77</b>        | 23.50   |



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|                 |                    | 110     | 5550           |                 | 19.70               | 19.61               | 22.67               | 23.50               |
|-----------------|--------------------|---------|----------------|-----------------|---------------------|---------------------|---------------------|---------------------|
|                 |                    | 118     | 5590           |                 | 19.35               | 18.85               | 22.12               | 23.50               |
|                 |                    | 126     | 5630           |                 | 19.30               | 18.72               | 22.03               | 23.50               |
|                 |                    | 134     | 5670           |                 | 19.24               | 18.84               | 22.05               | 23.50               |
|                 |                    | 142     | 5710           |                 | 19.58               | 19.00               | 22.31               | 23.50               |
|                 | U-NII-3            | 151     | 5755           |                 | 20.30               | 19.85               | 23.09               | 24.00               |
|                 |                    | 159     | 5795           |                 | 20.28               | 20.00               | 23.15               | 24.00               |
|                 | Mode               | 5GHz    | Channel        |                 | Frequency(MHz)      | Data Rate(Mbps)     | Average Power (dBm) | Average Power (dBm) |
| 802.11ac VHT80  | U-NII-1            | 42      | 5210           | MCS0            | 19.32               | 19.01               | 22.18               | 23.00               |
|                 | U-NII-2A           | 58      | 5290           |                 | 19.01               | 18.61               | 21.82               | 23.00               |
|                 | U-NII-2C           | 106     | 5530           |                 | 17.80               | 18.53               | 21.19               | 22.00               |
|                 |                    | 122     | 5610           |                 | 19.60               | 18.85               | 22.25               | 23.50               |
|                 |                    | 138     | 5690           |                 | 19.65               | 19.21               | 22.45               | 23.50               |
|                 | U-NII-3            | 155     | 5775           |                 | 20.32               | 19.32               | 22.86               | 24.00               |
| Mode            | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up             |
| 802.11ac VHT160 | U-NII-1 & U-NII-2A | 50      | 5250           | MCS0            | 16.50               | 17.16               | 19.85               | 20.50               |
|                 | U-NII-2C           | 114     | 5570           |                 | 16.23               | 16.59               | 19.42               | 20.50               |
| Mode            | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up             |
| 802.11ax HEW20  | U-NII-1            | 36      | 5180           | MCS0            | 17.85               | 18.70               | 21.31               | 22.00               |
|                 |                    | 40      | 5200           |                 | 17.36               | 18.38               | 20.91               | 22.00               |
|                 |                    | 44      | 5220           |                 | 17.58               | 18.26               | 20.94               | 22.00               |
|                 |                    | 48      | 5240           |                 | 17.98               | 18.55               | 21.28               | 22.00               |
|                 | U-NII-2A           | 52      | 5260           |                 | 18.08               | 18.06               | 21.08               | 22.00               |
|                 |                    | 56      | 5280           |                 | 17.53               | 17.94               | 20.75               | 22.00               |
|                 |                    | 60      | 5300           |                 | 18.06               | 18.10               | 21.09               | 22.00               |
|                 |                    | 64      | 5320           |                 | 18.19               | 18.36               | 21.29               | 22.00               |
|                 | U-NII-2C           | 100     | 5500           |                 | 18.28               | 18.32               | 21.31               | 22.00               |
|                 |                    | 104     | 5520           |                 | 18.32               | 18.30               | 21.32               | 22.00               |
|                 |                    | 108     | 5540           |                 | 18.45               | 18.41               | 21.44               | 22.00               |
|                 |                    | 112     | 5560           |                 | 18.51               | 18.06               | 21.30               | 22.00               |
|                 |                    | 116     | 5580           |                 | 18.59               | 17.72               | 21.19               | 22.00               |
|                 |                    | 120     | 5600           |                 | 18.43               | 17.98               | 21.22               | 22.00               |
|                 |                    | 124     | 5620           |                 | 18.26               | 18.03               | 21.16               | 22.00               |
|                 |                    | 128     | 5640           |                 | 18.21               | 17.56               | 20.91               | 22.00               |
|                 |                    | 132     | 5660           |                 | 18.22               | 17.64               | 20.95               | 22.00               |
|                 |                    | 136     | 5680           |                 | 18.06               | 17.59               | 20.84               | 22.00               |
|                 |                    | 140     | 5700           |                 | 17.83               | 17.21               | 20.54               | 22.00               |
|                 |                    | 144     | 5720           |                 | 18.11               | 18.07               | 21.10               | 22.00               |



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|                 |                    | 149     | 5745           |                 | 20.05               | 20.68               | <b>23.39</b>        | 24.50   |
|-----------------|--------------------|---------|----------------|-----------------|---------------------|---------------------|---------------------|---------|
|                 |                    | 153     | 5765           |                 | 20.03               | 20.74               | <b>23.41</b>        | 24.50   |
|                 | U-NII-3            | 157     | 5785           |                 | 20.41               | 20.89               | <b>23.67</b>        | 24.50   |
|                 |                    | 161     | 5805           |                 | 20.65               | 20.95               | <b>23.81</b>        | 24.50   |
|                 |                    | 165     | 5825           |                 | 20.71               | 20.90               | <b>23.82</b>        | 24.50   |
| Mode            | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11ax HEW40  | U-NII-1            | 38      | 5190           | MCS0            | 19.46               | 19.78               | <b>22.63</b>        | 23.50   |
|                 |                    | 46      | 5230           |                 | 19.41               | 19.75               | <b>22.59</b>        | 23.50   |
|                 | U-NII-2A           | 54      | 5270           |                 | 19.66               | 19.38               | <b>22.53</b>        | 23.50   |
|                 |                    | 62      | 5310           |                 | 19.74               | 19.56               | <b>22.66</b>        | 23.50   |
|                 | U-NII-2C           | 102     | 5510           |                 | 19.92               | 19.66               | <b>22.80</b>        | 23.50   |
|                 |                    | 110     | 5550           |                 | 19.74               | 19.68               | <b>22.72</b>        | 23.50   |
|                 |                    | 118     | 5590           |                 | 19.45               | 18.88               | <b>22.18</b>        | 23.50   |
|                 |                    | 126     | 5630           |                 | 19.32               | 18.74               | <b>22.05</b>        | 23.50   |
|                 |                    | 134     | 5670           |                 | 19.25               | 18.69               | <b>21.99</b>        | 23.50   |
|                 |                    | 142     | 5710           |                 | 19.66               | 19.02               | <b>22.36</b>        | 23.50   |
|                 | U-NII-3            | 151     | 5755           |                 | 20.54               | 19.99               | <b>23.28</b>        | 24.00   |
|                 |                    | 159     | 5795           |                 | 20.60               | 20.26               | <b>23.44</b>        | 24.00   |
| Mode            | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11ax HEW80  | U-NII-1            | 42      | 5210           | MCS0            | 19.41               | 19.08               | <b>22.26</b>        | 23.00   |
|                 | U-NII-2A           | 58      | 5290           |                 | 19.02               | 18.62               | <b>21.83</b>        | 23.00   |
|                 | U-NII-2C           | 106     | 5530           |                 | 17.84               | 18.57               | <b>21.23</b>        | 22.00   |
|                 |                    | 122     | 5610           |                 | 19.62               | 19.00               | <b>22.33</b>        | 23.50   |
|                 |                    | 138     | 5690           |                 | 19.66               | 19.22               | <b>22.46</b>        | 23.50   |
|                 | U-NII-3            | 155     | 5775           |                 | 20.40               | 19.49               | <b>22.98</b>        | 24.00   |
| Mode            | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11ax HEW160 | U-NII-1 & U-NII-2A | 50      | 5250           | MCS0            | 16.55               | 17.27               | <b>19.94</b>        | 20.50   |
|                 | U-NII-2C           | 114     | 5570           |                 | 16.27               | 16.73               | <b>19.52</b>        | 20.50   |

| WIFI 5G Ant 5 Head |          |         |                |                 |                     |         |
|--------------------|----------|---------|----------------|-----------------|---------------------|---------|
| Mode               | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11a            | U-NII-1  | 36      | 5180           | 6               | 8.79                | 10.00   |
|                    |          | 40      | 5200           |                 | 8.95                | 10.00   |
|                    |          | 44      | 5220           |                 | 9.11                | 10.00   |
|                    |          | 48      | 5240           |                 | 9.34                | 10.00   |
|                    | U-NII-2A | 52      | 5260           |                 | 9.37                | 11.00   |



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|              |          | 56      | 5280           |                 | 9.81                | 11.00   |
|--------------|----------|---------|----------------|-----------------|---------------------|---------|
|              |          | 60      | 5300           |                 | 9.79                | 11.00   |
|              |          | 64      | 5320           |                 | 9.60                | 11.00   |
|              | U-NII-2C | 100     | 5500           |                 | 11.32               | 12.50   |
|              |          | 104     | 5520           |                 | 11.79               | 12.50   |
|              |          | 108     | 5540           |                 | 11.73               | 12.50   |
|              |          | 112     | 5560           |                 | 12.05               | 12.50   |
|              |          | 116     | 5580           |                 | 12.18               | 12.50   |
|              |          | 120     | 5600           |                 | 12.24               | 12.50   |
|              |          | 124     | 5620           |                 | 12.00               | 12.50   |
|              |          | 128     | 5640           |                 | 11.80               | 12.50   |
|              |          | 132     | 5660           |                 | 11.84               | 12.50   |
|              |          | 136     | 5680           |                 | 11.43               | 12.50   |
|              |          | 140     | 5700           |                 | 11.35               | 12.50   |
|              |          | 144     | 5720           |                 | 11.43               | 12.50   |
|              | U-NII-3  | 149     | 5745           |                 | 11.38               | 12.50   |
|              |          | 153     | 5765           |                 | 11.40               | 12.50   |
|              |          | 157     | 5785           |                 | 11.43               | 12.50   |
|              |          | 161     | 5805           |                 | 11.60               | 12.50   |
|              |          | 165     | 5825           |                 | 12.23               | 12.50   |
| Mode         | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11n-HT20 | U-NII-1  | 36      | 5180           | MCS0            | 10.33               | 11.50   |
|              |          | 40      | 5200           |                 | 9.92                | 11.50   |
|              |          | 44      | 5220           |                 | 9.87                | 11.50   |
|              |          | 48      | 5240           |                 | 10.51               | 11.50   |
|              | U-NII-2A | 52      | 5260           |                 | 10.71               | 11.50   |
|              |          | 56      | 5280           |                 | 10.14               | 11.50   |
|              |          | 60      | 5300           |                 | 10.66               | 11.50   |
|              |          | 64      | 5320           |                 | 10.48               | 11.50   |
|              | U-NII-2C | 100     | 5500           |                 | 12.31               | 13.00   |
|              |          | 104     | 5520           |                 | 12.23               | 13.00   |
|              |          | 108     | 5540           |                 | 12.39               | 13.00   |
|              |          | 112     | 5560           |                 | 12.42               | 13.00   |
|              |          | 116     | 5580           |                 | 12.69               | 13.00   |
|              |          | 120     | 5600           |                 | 12.45               | 13.00   |
|              |          | 124     | 5620           |                 | 12.15               | 13.00   |
|              |          | 128     | 5640           |                 | 12.07               | 13.00   |
|              |          | 132     | 5660           |                 | 12.13               | 13.00   |
|              |          | 136     | 5680           |                 | 12.01               | 13.00   |
|              |          | 140     | 5700           |                 | 11.96               | 13.00   |
|              |          | 144     | 5720           |                 | 12.16               | 13.00   |



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|                |          | 149     | 5745           |                 | 10.90               | 12.50   |
|----------------|----------|---------|----------------|-----------------|---------------------|---------|
|                |          | 153     | 5765           |                 | 11.08               | 12.50   |
|                | U-NII-3  | 157     | 5785           |                 | 11.26               | 12.50   |
|                |          | 161     | 5805           |                 | 11.68               | 12.50   |
|                |          | 165     | 5825           |                 | 11.60               | 12.50   |
| Mode           | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11n-HT40   | U-NII-1  | 38      | 5190           | MCS0            | 11.85               | 13.00   |
|                |          | 46      | 5230           |                 | 11.94               | 13.00   |
|                | U-NII-2A | 54      | 5270           |                 | 12.22               | 13.00   |
|                |          | 62      | 5310           |                 | 12.19               | 13.00   |
|                | U-NII-2C | 102     | 5510           |                 | 14.03               | 14.50   |
|                |          | 110     | 5550           |                 | 13.71               | 14.50   |
|                |          | 118     | 5590           |                 | 13.53               | 14.50   |
|                |          | 126     | 5630           |                 | 13.29               | 14.50   |
|                |          | 134     | 5670           |                 | 13.40               | 14.50   |
|                |          | 142     | 5710           |                 | 13.54               | 14.50   |
|                | U-NII-3  | 151     | 5755           |                 | 11.23               | 12.00   |
|                |          | 159     | 5795           |                 | 11.35               | 12.00   |
| Mode           | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ac VHT20 | U-NII-1  | 36      | 5180           | MCS0            | 10.41               | 11.50   |
|                |          | 40      | 5200           |                 | 10.04               | 11.50   |
|                |          | 44      | 5220           |                 | 10.03               | 11.50   |
|                |          | 48      | 5240           |                 | 10.26               | 11.50   |
|                | U-NII-2A | 52      | 5260           |                 | 11.69               | 12.50   |
|                |          | 56      | 5280           |                 | 10.98               | 12.50   |
|                |          | 60      | 5300           |                 | 11.54               | 12.50   |
|                |          | 64      | 5320           |                 | 11.59               | 12.50   |
|                | U-NII-2C | 100     | 5500           |                 | 12.18               | 13.00   |
|                |          | 104     | 5520           |                 | 12.24               | 13.00   |
|                |          | 108     | 5540           |                 | 12.66               | 13.00   |
|                |          | 112     | 5560           |                 | 12.54               | 13.00   |
|                |          | 116     | 5580           |                 | 12.38               | 13.00   |
|                |          | 120     | 5600           |                 | 12.26               | 13.00   |
|                |          | 124     | 5620           |                 | 12.27               | 13.00   |
|                |          | 128     | 5640           |                 | 12.11               | 13.00   |
|                |          | 132     | 5660           |                 | 11.97               | 13.00   |
|                |          | 136     | 5680           |                 | 12.01               | 13.00   |
|                |          | 140     | 5700           |                 | 11.71               | 13.00   |
|                |          | 144     | 5720           |                 | 12.08               | 13.00   |
|                | U-NII-3  | 149     | 5745           |                 | 10.62               | 11.50   |



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|                    |                    | 153     | 5765           |                 | 10.50               | 11.50   |
|--------------------|--------------------|---------|----------------|-----------------|---------------------|---------|
|                    |                    | 157     | 5785           |                 | 10.26               | 11.50   |
|                    |                    | 161     | 5805           |                 | 10.75               | 11.50   |
|                    |                    | 165     | 5825           |                 | 10.57               | 11.50   |
| Mode               | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ac<br>VHT40  | U-NII-1            | 38      | 5190           | MCS0            | 11.88               | 13.00   |
|                    |                    | 46      | 5230           |                 | 12.03               | 13.00   |
|                    | U-NII-2A           | 54      | 5270           |                 | 12.08               | 13.00   |
|                    |                    | 62      | 5310           |                 | 12.17               | 13.00   |
|                    | U-NII-2C           | 102     | 5510           |                 | 13.97               | 14.50   |
|                    |                    | 110     | 5550           |                 | 13.83               | 14.50   |
|                    |                    | 118     | 5590           |                 | 13.26               | 14.50   |
|                    |                    | 126     | 5630           |                 | 13.23               | 14.50   |
|                    |                    | 134     | 5670           |                 | 13.34               | 14.50   |
|                    |                    | 142     | 5710           |                 | 13.51               | 14.50   |
|                    | U-NII-3            | 151     | 5755           |                 | 11.36               | 12.00   |
|                    |                    | 159     | 5795           |                 | 11.33               | 12.00   |
| Mode               | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ac<br>VHT80  | U-NII-1            | 42      | 5210           | MCS0            | 11.72               | 12.50   |
|                    | U-NII-2A           | 58      | 5290           |                 | 11.59               | 12.50   |
|                    | U-NII-2C           | 106     | 5530           |                 | 11.93               | 13.00   |
|                    |                    | 122     | 5610           |                 | 13.79               | 14.50   |
|                    |                    | 138     | 5690           |                 | 13.80               | 14.50   |
|                    | U-NII-3            | 155     | 5775           |                 | 11.29               | 12.00   |
| Mode               | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ac<br>VHT160 | U-NII-1 & U-NII-2A | 50      | 5250           | MCS0            | 9.06                | 10.00   |
|                    | U-NII-2C           | 114     | 5570           |                 | 10.21               | 11.50   |
| Mode               | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ax<br>HEW20  | U-NII-1            | 36      | 5180           | MCS0            | 10.44               | 11.50   |
|                    |                    | 40      | 5200           |                 | 9.87                | 11.50   |
|                    |                    | 44      | 5220           |                 | 10.10               | 11.50   |
|                    |                    | 48      | 5240           |                 | 10.50               | 11.50   |
|                    | U-NII-2A           | 52      | 5260           |                 | 10.72               | 11.50   |
|                    |                    | 56      | 5280           |                 | 10.18               | 11.50   |
|                    |                    | 60      | 5300           |                 | 10.58               | 11.50   |
|                    |                    | 64      | 5320           |                 | 10.79               | 11.50   |
|                    | U-NII-2C           | 100     | 5500           |                 | 12.33               | 13.00   |
|                    |                    | 104     | 5520           |                 | 12.21               | 13.00   |



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|                 |                    | 108     | 5540           |                 | 12.65               | 13.00   |
|-----------------|--------------------|---------|----------------|-----------------|---------------------|---------|
|                 |                    | 112     | 5560           |                 | 12.37               | 13.00   |
|                 |                    | 116     | 5580           |                 | 12.59               | 13.00   |
|                 |                    | 120     | 5600           |                 | 12.28               | 13.00   |
|                 |                    | 124     | 5620           |                 | 12.22               | 13.00   |
|                 |                    | 128     | 5640           |                 | 12.29               | 13.00   |
|                 |                    | 132     | 5660           |                 | 12.20               | 13.00   |
|                 |                    | 136     | 5680           |                 | 11.94               | 13.00   |
|                 |                    | 140     | 5700           |                 | 11.84               | 13.00   |
|                 |                    | 144     | 5720           |                 | 12.20               | 13.00   |
|                 | U-NII-3            | 149     | 5745           |                 | 11.02               | 12.50   |
|                 |                    | 153     | 5765           |                 | 11.14               | 12.50   |
|                 |                    | 157     | 5785           |                 | 11.46               | 12.50   |
|                 |                    | 161     | 5805           |                 | 11.84               | 12.50   |
|                 |                    | 165     | 5825           |                 | 11.60               | 12.50   |
| Mode            | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ax HEW40  | U-NII-1            | 38      | 5190           | MCS0            | 12.08               | 13.00   |
|                 |                    | 46      | 5230           |                 | 12.04               | 13.00   |
|                 | U-NII-2A           | 54      | 5270           |                 | 12.10               | 13.00   |
|                 |                    | 62      | 5310           |                 | 12.24               | 13.00   |
|                 | U-NII-2C           | 102     | 5510           |                 | 13.94               | 14.50   |
|                 |                    | 110     | 5550           |                 | 13.91               | 14.50   |
|                 |                    | 118     | 5590           |                 | 13.44               | 14.50   |
|                 |                    | 126     | 5630           |                 | 13.23               | 14.50   |
|                 |                    | 134     | 5670           |                 | 13.39               | 14.50   |
|                 |                    | 142     | 5710           |                 | 13.78               | 14.50   |
|                 | U-NII-3            | 151     | 5755           |                 | 11.45               | 12.00   |
|                 |                    | 159     | 5795           |                 | 11.74               | 12.00   |
| Mode            | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ax HEW80  | U-NII-1            | 42      | 5210           | MCS0            | 12.01               | 12.50   |
|                 | U-NII-2A           | 58      | 5290           |                 | 11.52               | 12.50   |
|                 | U-NII-2C           | 106     | 5530           |                 | 11.84               | 13.00   |
|                 |                    | 122     | 5610           |                 | 13.65               | 14.50   |
|                 |                    | 138     | 5690           |                 | 13.84               | 14.50   |
|                 | U-NII-3            | 155     | 5775           |                 | 11.36               | 12.00   |
|                 |                    |         |                |                 |                     |         |
| Mode            | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ax HEW160 | U-NII-1 & U-NII-2A | 50      | 5250           | MCS0            | 9.12                | 10.00   |
|                 | U-NII-2C           | 114     | 5570           |                 | 10.43               | 11.50   |



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| WIFI 5G Ant 4 Head |          |         |                |                 |                     |         |
|--------------------|----------|---------|----------------|-----------------|---------------------|---------|
| Mode               | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11a            | U-NII-1  | 36      | 5180           | 6               | 10.16               | 11.00   |
|                    |          | 40      | 5200           |                 | 9.85                | 11.00   |
|                    |          | 44      | 5220           |                 | 9.80                | 11.00   |
|                    |          | 48      | 5240           |                 | 10.72               | 11.00   |
|                    | U-NII-2A | 52      | 5260           |                 | 9.94                | 11.00   |
|                    |          | 56      | 5280           |                 | 10.32               | 11.00   |
|                    |          | 60      | 5300           |                 | 10.05               | 11.00   |
|                    |          | 64      | 5320           |                 | 10.12               | 11.00   |
|                    | U-NII-2C | 100     | 5500           |                 | 10.83               | 12.50   |
|                    |          | 104     | 5520           |                 | 11.38               | 12.50   |
|                    |          | 108     | 5540           |                 | 11.16               | 12.50   |
|                    |          | 112     | 5560           |                 | 11.06               | 12.50   |
|                    |          | 116     | 5580           |                 | 10.92               | 12.50   |
|                    |          | 120     | 5600           |                 | 11.27               | 12.50   |
|                    |          | 124     | 5620           |                 | 10.95               | 12.50   |
|                    |          | 128     | 5640           |                 | 10.82               | 12.50   |
|                    |          | 132     | 5660           |                 | 10.72               | 12.50   |
|                    |          | 136     | 5680           |                 | 10.92               | 12.50   |
|                    |          | 140     | 5700           |                 | 10.58               | 12.50   |
|                    |          | 144     | 5720           |                 | 11.80               | 12.50   |
|                    | U-NII-3  | 149     | 5745           |                 | 11.94               | 12.50   |
|                    |          | 153     | 5765           |                 | 11.93               | 12.50   |
|                    |          | 157     | 5785           |                 | 11.95               | 12.50   |
|                    |          | 161     | 5805           |                 | 11.64               | 12.50   |
|                    |          | 165     | 5825           |                 | 12.10               | 12.50   |
| Mode               | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11n-HT20       | U-NII-1  | 36      | 5180           | MCS0            | 11.27               | 11.50   |
|                    |          | 40      | 5200           |                 | 10.86               | 11.50   |
|                    |          | 44      | 5220           |                 | 10.80               | 11.50   |
|                    |          | 48      | 5240           |                 | 10.89               | 11.50   |
|                    | U-NII-2A | 52      | 5260           |                 | 10.69               | 11.50   |
|                    |          | 56      | 5280           |                 | 10.34               | 11.50   |
|                    |          | 60      | 5300           |                 | 10.41               | 11.50   |
|                    |          | 64      | 5320           |                 | 10.98               | 11.50   |
|                    | U-NII-2C | 100     | 5500           |                 | 12.41               | 13.00   |
|                    |          | 104     | 5520           |                 | 12.41               | 13.00   |



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|                |          | 108     | 5540           |                 | 12.27               | 13.00   |
|----------------|----------|---------|----------------|-----------------|---------------------|---------|
|                |          | 112     | 5560           |                 | 12.20               | 13.00   |
|                |          | 116     | 5580           |                 | 11.78               | 13.00   |
|                |          | 120     | 5600           |                 | 12.04               | 13.00   |
|                |          | 124     | 5620           |                 | 12.03               | 13.00   |
|                |          | 128     | 5640           |                 | 11.67               | 13.00   |
|                |          | 132     | 5660           |                 | 11.67               | 13.00   |
|                |          | 136     | 5680           |                 | 11.44               | 13.00   |
|                |          | 140     | 5700           |                 | 11.20               | 13.00   |
|                |          | 144     | 5720           |                 | 11.74               | 13.00   |
|                | U-NII-3  | 149     | 5745           |                 | 11.80               | 12.50   |
|                |          | 153     | 5765           |                 | 11.59               | 12.50   |
|                |          | 157     | 5785           |                 | 11.60               | 12.50   |
|                |          | 161     | 5805           |                 | 11.76               | 12.50   |
|                |          | 165     | 5825           |                 | 12.03               | 12.50   |
| Mode           | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11n-HT40   | U-NII-1  | 38      | 5190           | MCS0            | 12.35               | 13.00   |
|                |          | 46      | 5230           |                 | 12.31               | 13.00   |
|                | U-NII-2A | 54      | 5270           |                 | 11.76               | 13.00   |
|                |          | 62      | 5310           |                 | 11.63               | 13.00   |
|                | U-NII-2C | 102     | 5510           |                 | 13.63               | 14.50   |
|                |          | 110     | 5550           |                 | 13.79               | 14.50   |
|                |          | 118     | 5590           |                 | 12.86               | 14.50   |
|                |          | 126     | 5630           |                 | 12.85               | 14.50   |
|                |          | 134     | 5670           |                 | 13.03               | 14.50   |
|                |          | 142     | 5710           |                 | 12.96               | 14.50   |
|                | U-NII-3  | 151     | 5755           |                 | 11.03               | 12.00   |
|                |          | 159     | 5795           |                 | 11.12               | 12.00   |
| Mode           | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ac VHT20 | U-NII-1  | 36      | 5180           | MCS0            | 11.11               | 11.50   |
|                |          | 40      | 5200           |                 | 10.81               | 11.50   |
|                |          | 44      | 5220           |                 | 10.85               | 11.50   |
|                |          | 48      | 5240           |                 | 10.92               | 11.50   |
|                | U-NII-2A | 52      | 5260           |                 | 11.60               | 12.50   |
|                |          | 56      | 5280           |                 | 11.20               | 12.50   |
|                |          | 60      | 5300           |                 | 11.67               | 12.50   |
|                |          | 64      | 5320           |                 | 11.82               | 12.50   |
|                | U-NII-2C | 100     | 5500           |                 | 12.32               | 13.00   |
|                |          | 104     | 5520           |                 | 12.27               | 13.00   |
|                |          | 108     | 5540           |                 | 12.54               | 13.00   |



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|                 |                    | 112     | 5560           |                 | 12.02               | 13.00   |
|-----------------|--------------------|---------|----------------|-----------------|---------------------|---------|
|                 |                    | 116     | 5580           |                 | 11.64               | 13.00   |
|                 |                    | 120     | 5600           |                 | 11.98               | 13.00   |
|                 |                    | 124     | 5620           |                 | 11.97               | 13.00   |
|                 |                    | 128     | 5640           |                 | 11.57               | 13.00   |
|                 |                    | 132     | 5660           |                 | 11.76               | 13.00   |
|                 |                    | 136     | 5680           |                 | 11.54               | 13.00   |
|                 |                    | 140     | 5700           |                 | 11.34               | 13.00   |
|                 |                    | 144     | 5720           |                 | 11.62               | 13.00   |
|                 | U-NII-3            | 149     | 5745           |                 | 10.76               | 11.50   |
|                 |                    | 153     | 5765           |                 | 10.89               | 11.50   |
|                 |                    | 157     | 5785           |                 | 10.97               | 11.50   |
|                 |                    | 161     | 5805           |                 | 11.25               | 11.50   |
|                 |                    | 165     | 5825           |                 | 10.91               | 11.50   |
| Mode            | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ac VHT40  | U-NII-1            | 38      | 5190           | MCS0            | 12.11               | 13.00   |
|                 |                    | 46      | 5230           |                 | 12.25               | 13.00   |
|                 | U-NII-2A           | 54      | 5270           |                 | 11.76               | 13.00   |
|                 |                    | 62      | 5310           |                 | 11.80               | 13.00   |
|                 | U-NII-2C           | 102     | 5510           |                 | 13.60               | 14.50   |
|                 |                    | 110     | 5550           |                 | 13.60               | 14.50   |
|                 |                    | 118     | 5590           |                 | 12.82               | 14.50   |
|                 |                    | 126     | 5630           |                 | 12.64               | 14.50   |
|                 |                    | 134     | 5670           |                 | 12.99               | 14.50   |
|                 |                    | 142     | 5710           |                 | 12.98               | 14.50   |
|                 | U-NII-3            | 151     | 5755           |                 | 11.01               | 12.00   |
|                 |                    | 159     | 5795           |                 | 11.07               | 12.00   |
| Mode            | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ac VHT80  | U-NII-1            | 42      | 5210           | MCS0            | 11.51               | 12.50   |
|                 | U-NII-2A           | 58      | 5290           |                 | 11.27               | 12.50   |
|                 | U-NII-2C           | 106     | 5530           |                 | 12.72               | 13.00   |
|                 |                    | 122     | 5610           |                 | 12.92               | 14.50   |
|                 |                    | 138     | 5690           |                 | 13.37               | 14.50   |
|                 | U-NII-3            | 155     | 5775           |                 | 10.51               | 12.00   |
| Mode            | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ac VHT160 | U-NII-1 & U-NII-2A | 50      | 5250           | MCS0            | 9.53                | 10.00   |
|                 | U-NII-2C           | 114     | 5570           |                 | 10.75               | 11.50   |
| Mode            | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |



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| 802.11ax<br>HEW20 | U-NII-1  | 36      | 5180           | MCS0            | 11.29               | 11.50   |
|-------------------|----------|---------|----------------|-----------------|---------------------|---------|
|                   |          | 40      | 5200           |                 | 11.05               | 11.50   |
|                   |          | 44      | 5220           |                 | 10.87               | 11.50   |
|                   |          | 48      | 5240           |                 | 11.17               | 11.50   |
|                   | U-NII-2A | 52      | 5260           |                 | 10.61               | 11.50   |
|                   |          | 56      | 5280           |                 | 10.40               | 11.50   |
|                   |          | 60      | 5300           |                 | 10.54               | 11.50   |
|                   |          | 64      | 5320           |                 | 11.01               | 11.50   |
|                   | U-NII-2C | 100     | 5500           |                 | 12.42               | 13.00   |
|                   |          | 104     | 5520           |                 | 12.26               | 13.00   |
|                   |          | 108     | 5540           |                 | 12.28               | 13.00   |
|                   |          | 112     | 5560           |                 | 12.05               | 13.00   |
|                   |          | 116     | 5580           |                 | 11.74               | 13.00   |
|                   |          | 120     | 5600           |                 | 11.95               | 13.00   |
|                   |          | 124     | 5620           |                 | 11.97               | 13.00   |
|                   |          | 128     | 5640           |                 | 11.60               | 13.00   |
|                   |          | 132     | 5660           |                 | 11.69               | 13.00   |
|                   |          | 136     | 5680           |                 | 11.50               | 13.00   |
|                   |          | 140     | 5700           |                 | 11.30               | 13.00   |
|                   |          | 144     | 5720           |                 | 12.09               | 13.00   |
|                   | U-NII-3  | 149     | 5745           |                 | 11.61               | 12.50   |
|                   |          | 153     | 5765           |                 | 11.65               | 12.50   |
|                   |          | 157     | 5785           |                 | 11.88               | 12.50   |
|                   |          | 161     | 5805           |                 | 11.86               | 12.50   |
|                   |          | 165     | 5825           |                 | 11.88               | 12.50   |
| Mode              | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ax<br>HEW40 | U-NII-1  | 38      | 5190           | MCS0            | 12.42               | 13.00   |
|                   |          | 46      | 5230           |                 | 12.11               | 13.00   |
|                   | U-NII-2A | 54      | 5270           |                 | 11.84               | 13.00   |
|                   |          | 62      | 5310           |                 | 12.18               | 13.00   |
|                   | U-NII-2C | 102     | 5510           |                 | 13.77               | 14.50   |
|                   |          | 110     | 5550           |                 | 13.74               | 14.50   |
|                   |          | 118     | 5590           |                 | 12.86               | 14.50   |
|                   |          | 126     | 5630           |                 | 12.76               | 14.50   |
|                   |          | 134     | 5670           |                 | 12.70               | 14.50   |
|                   |          | 142     | 5710           |                 | 13.09               | 14.50   |
|                   | U-NII-3  | 151     | 5755           |                 | 10.99               | 12.00   |
|                   |          | 159     | 5795           |                 | 11.18               | 12.00   |
| Mode              | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
|                   | U-NII-1  | 42      | 5210           | MCS0            | 11.72               | 12.50   |



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|                    |                    |         |                |                 |                     |         |
|--------------------|--------------------|---------|----------------|-----------------|---------------------|---------|
| 802.11ax<br>HEW80  | U-NII-2A           | 58      | 5290           |                 | 11.13               | 12.50   |
|                    | U-NII-2C           | 106     | 5530           |                 | 12.76               | 13.00   |
|                    |                    | 122     | 5610           |                 | 12.88               | 14.50   |
|                    |                    | 138     | 5690           |                 | 13.13               | 14.50   |
|                    | U-NII-3            | 155     | 5775           |                 | 10.58               | 12.00   |
| Mode               | 5GHz               | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Tune up |
| 802.11ax<br>HEW160 | U-NII-1 & U-NII-2A | 50      | 5250           | MCS0            | 9.77                | 10.00   |
|                    | U-NII-2C           | 114     | 5570           |                 | 10.88               | 11.50   |

| WIFI 5G MIMO Head |          |         |                |                 |                     |                     |                     |         |
|-------------------|----------|---------|----------------|-----------------|---------------------|---------------------|---------------------|---------|
| Mode              | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11a           | U-NII-1  | 36      | 5180           | 6               | 8.79                | 10.16               | <b>12.54</b>        | 13.50   |
|                   |          | 40      | 5200           |                 | 8.95                | 9.85                | <b>12.43</b>        | 13.50   |
|                   |          | 44      | 5220           |                 | 9.11                | 9.80                | <b>12.48</b>        | 13.50   |
|                   |          | 48      | 5240           |                 | 9.34                | 10.72               | <b>13.09</b>        | 13.50   |
|                   | U-NII-2A | 52      | 5260           |                 | 9.37                | 9.94                | <b>12.67</b>        | 14.00   |
|                   |          | 56      | 5280           |                 | 9.81                | 10.32               | <b>13.08</b>        | 14.00   |
|                   |          | 60      | 5300           |                 | 9.79                | 10.05               | <b>12.93</b>        | 14.00   |
|                   |          | 64      | 5320           |                 | 9.60                | 10.12               | <b>12.88</b>        | 14.00   |
|                   | U-NII-2C | 100     | 5500           |                 | 11.32               | 10.83               | <b>14.09</b>        | 15.50   |
|                   |          | 104     | 5520           |                 | 11.79               | 11.38               | <b>14.60</b>        | 15.50   |
|                   |          | 108     | 5540           |                 | 11.73               | 11.16               | <b>14.46</b>        | 15.50   |
|                   |          | 112     | 5560           |                 | 12.05               | 11.06               | <b>14.59</b>        | 15.50   |
|                   |          | 116     | 5580           |                 | 12.18               | 10.92               | <b>14.61</b>        | 15.50   |
|                   |          | 120     | 5600           |                 | 12.24               | 11.27               | <b>14.79</b>        | 15.50   |
|                   |          | 124     | 5620           |                 | 12.00               | 10.95               | <b>14.52</b>        | 15.50   |
|                   |          | 128     | 5640           |                 | 11.80               | 10.82               | <b>14.35</b>        | 15.50   |
|                   |          | 132     | 5660           |                 | 11.84               | 10.72               | <b>14.33</b>        | 15.50   |
|                   |          | 136     | 5680           |                 | 11.43               | 10.92               | <b>14.19</b>        | 15.50   |
|                   |          | 140     | 5700           |                 | 11.35               | 10.58               | <b>13.99</b>        | 15.50   |
|                   |          | 144     | 5720           |                 | 11.43               | 11.80               | <b>14.63</b>        | 15.50   |
|                   | U-NII-3  | 149     | 5745           |                 | 11.38               | 11.94               | <b>14.68</b>        | 15.50   |
|                   |          | 153     | 5765           |                 | 11.40               | 11.93               | <b>14.68</b>        | 15.50   |
|                   |          | 157     | 5785           |                 | 11.43               | 11.95               | <b>14.71</b>        | 15.50   |
|                   |          | 161     | 5805           |                 | 11.60               | 11.64               | <b>14.63</b>        | 15.50   |
|                   |          | 165     | 5825           |                 | 12.23               | 12.10               | <b>15.18</b>        | 15.50   |
| Mode              | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |



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| 802.11n-HT20 | U-NII-1  | 36      | 5180           | MCS0            | 10.33               | 11.27               | <b>13.84</b>        | 14.50   |
|--------------|----------|---------|----------------|-----------------|---------------------|---------------------|---------------------|---------|
|              |          | 40      | 5200           |                 | 9.92                | 10.86               | <b>13.43</b>        | 14.50   |
|              |          | 44      | 5220           |                 | 9.87                | 10.80               | <b>13.37</b>        | 14.50   |
|              |          | 48      | 5240           |                 | 10.51               | 10.89               | <b>13.71</b>        | 14.50   |
|              | U-NII-2A | 52      | 5260           |                 | 10.71               | 10.69               | <b>13.71</b>        | 14.50   |
|              |          | 56      | 5280           |                 | 10.14               | 10.34               | <b>13.25</b>        | 14.50   |
|              |          | 60      | 5300           |                 | 10.66               | 10.41               | <b>13.55</b>        | 14.50   |
|              |          | 64      | 5320           |                 | 10.48               | 10.98               | <b>13.75</b>        | 14.50   |
|              | U-NII-2C | 100     | 5500           |                 | 12.31               | 12.41               | <b>15.37</b>        | 16.00   |
|              |          | 104     | 5520           |                 | 12.23               | 12.41               | <b>15.33</b>        | 16.00   |
|              |          | 108     | 5540           |                 | 12.39               | 12.27               | <b>15.34</b>        | 16.00   |
|              |          | 112     | 5560           |                 | 12.42               | 12.20               | <b>15.32</b>        | 16.00   |
|              |          | 116     | 5580           |                 | 12.69               | 11.78               | <b>15.27</b>        | 16.00   |
|              |          | 120     | 5600           |                 | 12.45               | 12.04               | <b>15.26</b>        | 16.00   |
|              |          | 124     | 5620           |                 | 12.15               | 12.03               | <b>15.10</b>        | 16.00   |
|              |          | 128     | 5640           |                 | 12.07               | 11.67               | <b>14.88</b>        | 16.00   |
|              |          | 132     | 5660           |                 | 12.13               | 11.67               | <b>14.92</b>        | 16.00   |
|              |          | 136     | 5680           |                 | 12.01               | 11.44               | <b>14.74</b>        | 16.00   |
|              |          | 140     | 5700           |                 | 11.96               | 11.20               | <b>14.61</b>        | 16.00   |
|              |          | 144     | 5720           |                 | 12.16               | 11.74               | <b>14.97</b>        | 16.00   |
|              | U-NII-3  | 149     | 5745           |                 | 10.90               | 11.80               | <b>14.38</b>        | 15.50   |
|              |          | 153     | 5765           |                 | 11.08               | 11.59               | <b>14.35</b>        | 15.50   |
|              |          | 157     | 5785           |                 | 11.26               | 11.60               | <b>14.44</b>        | 15.50   |
|              |          | 161     | 5805           |                 | 11.68               | 11.76               | <b>14.73</b>        | 15.50   |
|              |          | 165     | 5825           |                 | 11.60               | 12.03               | <b>14.83</b>        | 15.50   |
| Mode         | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11n-HT40 | U-NII-1  | 38      | 5190           | MCS0            | 11.85               | 12.35               | <b>15.12</b>        | 16.00   |
|              |          | 46      | 5230           |                 | 11.94               | 12.31               | <b>15.14</b>        | 16.00   |
|              | U-NII-2A | 54      | 5270           |                 | 12.22               | 11.76               | <b>15.01</b>        | 16.00   |
|              |          | 62      | 5310           |                 | 12.19               | 11.63               | <b>14.93</b>        | 16.00   |
|              | U-NII-2C | 102     | 5510           |                 | 14.03               | 13.63               | <b>16.84</b>        | 17.50   |
|              |          | 110     | 5550           |                 | 13.71               | 13.79               | <b>16.76</b>        | 17.50   |
|              |          | 118     | 5590           |                 | 13.53               | 12.86               | <b>16.22</b>        | 17.50   |
|              |          | 126     | 5630           |                 | 13.29               | 12.85               | <b>16.09</b>        | 17.50   |
|              |          | 134     | 5670           |                 | 13.40               | 13.03               | <b>16.23</b>        | 17.50   |
|              |          | 142     | 5710           |                 | 13.54               | 12.96               | <b>16.27</b>        | 17.50   |
|              | U-NII-3  | 151     | 5755           |                 | 11.23               | 11.03               | <b>14.14</b>        | 15.00   |
|              |          | 159     | 5795           |                 | 11.35               | 11.12               | <b>14.25</b>        | 15.00   |
| Mode         | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |



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| 802.11ac<br>VHT20 | U-NII-1  | 36      | 5180           | MCS0            | 10.41               | 11.11               | <b>13.78</b>        | 14.50   |
|-------------------|----------|---------|----------------|-----------------|---------------------|---------------------|---------------------|---------|
|                   |          | 40      | 5200           |                 | 10.04               | 10.81               | <b>13.45</b>        | 14.50   |
|                   |          | 44      | 5220           |                 | 10.03               | 10.85               | <b>13.47</b>        | 14.50   |
|                   |          | 48      | 5240           |                 | 10.26               | 10.92               | <b>13.61</b>        | 14.50   |
|                   | U-NII-2A | 52      | 5260           |                 | 11.69               | 11.60               | <b>14.66</b>        | 15.50   |
|                   |          | 56      | 5280           |                 | 10.98               | 11.20               | <b>14.10</b>        | 15.50   |
|                   |          | 60      | 5300           |                 | 11.54               | 11.67               | <b>14.62</b>        | 15.50   |
|                   |          | 64      | 5320           |                 | 11.59               | 11.82               | <b>14.72</b>        | 15.50   |
|                   | U-NII-2C | 100     | 5500           |                 | 12.18               | 12.32               | <b>15.26</b>        | 16.00   |
|                   |          | 104     | 5520           |                 | 12.24               | 12.27               | <b>15.27</b>        | 16.00   |
|                   |          | 108     | 5540           |                 | 12.66               | 12.54               | <b>15.61</b>        | 16.00   |
|                   |          | 112     | 5560           |                 | 12.54               | 12.02               | <b>15.30</b>        | 16.00   |
|                   |          | 116     | 5580           |                 | 12.38               | 11.64               | <b>15.04</b>        | 16.00   |
|                   |          | 120     | 5600           |                 | 12.26               | 11.98               | <b>15.13</b>        | 16.00   |
|                   |          | 124     | 5620           |                 | 12.27               | 11.97               | <b>15.13</b>        | 16.00   |
|                   |          | 128     | 5640           |                 | 12.11               | 11.57               | <b>14.86</b>        | 16.00   |
|                   |          | 132     | 5660           |                 | 11.97               | 11.76               | <b>14.88</b>        | 16.00   |
|                   |          | 136     | 5680           |                 | 12.01               | 11.54               | <b>14.79</b>        | 16.00   |
|                   |          | 140     | 5700           |                 | 11.71               | 11.34               | <b>14.54</b>        | 16.00   |
|                   |          | 144     | 5720           |                 | 12.08               | 11.62               | <b>14.87</b>        | 16.00   |
|                   | U-NII-3  | 149     | 5745           |                 | 10.62               | 10.76               | <b>13.70</b>        | 14.50   |
|                   |          | 153     | 5765           |                 | 10.50               | 10.89               | <b>13.71</b>        | 14.50   |
|                   |          | 157     | 5785           |                 | 10.26               | 10.97               | <b>13.64</b>        | 14.50   |
|                   |          | 161     | 5805           |                 | 10.75               | 11.25               | <b>14.02</b>        | 14.50   |
|                   |          | 165     | 5825           |                 | 10.57               | 10.91               | <b>13.75</b>        | 14.50   |
| Mode              | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |
| 802.11ac<br>VHT40 | U-NII-1  | 38      | 5190           | MCS0            | 11.88               | 12.11               | <b>15.01</b>        | 16.00   |
|                   |          | 46      | 5230           |                 | 12.03               | 12.25               | <b>15.15</b>        | 16.00   |
|                   | U-NII-2A | 54      | 5270           |                 | 12.08               | 11.76               | <b>14.93</b>        | 16.00   |
|                   |          | 62      | 5310           |                 | 12.17               | 11.80               | <b>15.00</b>        | 16.00   |
|                   | U-NII-2C | 102     | 5510           |                 | 13.97               | 13.60               | <b>16.80</b>        | 17.50   |
|                   |          | 110     | 5550           |                 | 13.83               | 13.60               | <b>16.73</b>        | 17.50   |
|                   |          | 118     | 5590           |                 | 13.26               | 12.82               | <b>16.06</b>        | 17.50   |
|                   |          | 126     | 5630           |                 | 13.23               | 12.64               | <b>15.96</b>        | 17.50   |
|                   |          | 134     | 5670           |                 | 13.34               | 12.99               | <b>16.18</b>        | 17.50   |
|                   |          | 142     | 5710           |                 | 13.51               | 12.98               | <b>16.26</b>        | 17.50   |
|                   | U-NII-3  | 151     | 5755           |                 | 11.36               | 11.01               | <b>14.20</b>        | 15.00   |
|                   |          | 159     | 5795           |                 | 11.33               | 11.07               | <b>14.21</b>        | 15.00   |
| Mode              | 5GHz     | Channel | Frequency(MHz) | Data Rate(Mbps) | Average Power (dBm) | Average Power (dBm) | Average Power (dBm) | Tune up |



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