

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

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

Report No.: SZCR240700286108

Page: 842 of 1531

|           |            | 25      | 25        | 15.43   | 15.55   | 15.47   | 17.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 50      | 0         | 15.50   | 15.59   | 15.44   | 17.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26765   | 26865   | 26965   |         |
| 15MHz     | QPSK       | 1       | 0         | 15.60   | 15.57   | 15.43   | 17.00   |
|           |            | 1       | 38        | 15.54   | 15.59   | 15.57   | 17.00   |
|           |            | 1       | 74        | 15.72   | 15.83   | 15.77   | 17.00   |
|           |            | 36      | 0         | 15.40   | 15.34   | 15.59   | 17.00   |
|           |            | 36      | 18        | 15.45   | 15.44   | 15.33   | 17.00   |
|           |            | 36      | 39        | 15.46   | 15.55   | 15.43   | 17.00   |
|           |            | 75      | 0         | 15.54   | 15.50   | 15.53   | 17.00   |
|           | 16QAM      | 1       | 0         | 15.82   | 15.65   | 15.63   | 17.00   |
|           |            | 1       | 38        | 15.61   | 15.61   | 15.56   | 17.00   |
|           |            | 1       | 74        | 15.73   | 15.74   | 15.71   | 17.00   |
|           |            | 36      | 0         | 15.38   | 15.33   | 15.53   | 17.00   |
|           |            | 36      | 18        | 15.44   | 15.51   | 15.43   | 17.00   |
|           |            | 36      | 39        | 15.65   | 15.51   | 15.65   | 17.00   |
|           |            | 75      | 0         | 15.59   | 15.52   | 15.57   | 17.00   |
|           | 64QAM      | 1       | 0         | 15.71   | 15.68   | 15.51   | 17.00   |
|           |            | 1       | 38        | 15.61   | 15.58   | 15.49   | 17.00   |
|           |            | 1       | 74        | 15.77   | 15.82   | 15.80   | 17.00   |
|           |            | 36      | 0         | 15.50   | 15.33   | 15.45   | 17.00   |
|           |            | 36      | 18        | 15.40   | 15.45   | 15.41   | 17.00   |
|           |            | 36      | 39        | 15.45   | 15.56   | 15.55   | 17.00   |
|           |            | 75      | 0         | 15.71   | 15.47   | 15.50   | 17.00   |
|           | 256QAM     | 1       | 0         | 15.74   | 15.65   | 15.63   | 17.00   |
|           |            | 1       | 38        | 15.54   | 15.51   | 15.56   | 17.00   |
|           |            | 1       | 74        | 15.75   | 15.71   | 15.62   | 17.00   |
|           |            | 36      | 0         | 15.44   | 15.44   | 15.48   | 17.00   |
|           |            | 36      | 18        | 15.34   | 15.48   | 15.40   | 17.00   |
|           |            | 36      | 39        | 15.50   | 15.59   | 15.42   | 17.00   |
|           |            | 75      | 0         | 15.52   | 15.60   | 15.52   | 17.00   |



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

Report No.: SZCR240700286108

Page: 843 of 1531

| LTE Band 26 DSI 4/5 |            |         |           | Conducted Power(dBm) |         |         |         |
|---------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth           | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |            |         |           | 26697                | 26865   | 27033   |         |
| 1.4MHz              | QPSK       | 1       | 0         | 23.20                | 23.45   | 23.53   | 25.00   |
|                     |            | 1       | 2         | 23.38                | 23.44   | 23.37   | 25.00   |
|                     |            | 1       | 5         | 23.32                | 23.42   | 23.25   | 25.00   |
|                     |            | 3       | 0         | 23.40                | 23.33   | 23.52   | 25.00   |
|                     |            | 3       | 2         | 23.38                | 23.41   | 23.43   | 25.00   |
|                     |            | 3       | 3         | 23.30                | 23.41   | 23.30   | 25.00   |
|                     |            | 6       | 0         | 22.36                | 22.43   | 22.31   | 24.00   |
|                     | 16QAM      | 1       | 0         | 22.37                | 22.50   | 22.39   | 24.00   |
|                     |            | 1       | 2         | 22.56                | 22.44   | 22.51   | 24.00   |
|                     |            | 1       | 5         | 22.55                | 22.46   | 22.42   | 24.00   |
|                     |            | 3       | 0         | 22.20                | 22.15   | 22.28   | 24.00   |
|                     |            | 3       | 2         | 22.33                | 22.28   | 22.25   | 24.00   |
|                     |            | 3       | 3         | 22.08                | 22.10   | 22.24   | 24.00   |
|                     |            | 6       | 0         | 21.37                | 21.57   | 21.64   | 23.00   |
|                     | 64QAM      | 1       | 0         | 21.52                | 21.46   | 21.35   | 23.00   |
|                     |            | 1       | 2         | 21.28                | 21.51   | 21.35   | 23.00   |
|                     |            | 1       | 5         | 21.46                | 21.48   | 21.42   | 23.00   |
|                     |            | 3       | 0         | 21.55                | 21.50   | 21.41   | 23.00   |
|                     |            | 3       | 2         | 21.39                | 21.45   | 21.48   | 23.00   |
|                     |            | 3       | 3         | 21.44                | 21.49   | 21.54   | 23.00   |
|                     |            | 6       | 0         | 20.46                | 20.46   | 20.50   | 22.00   |
|                     | 256QAM     | 1       | 0         | 18.66                | 18.65   | 18.47   | 20.00   |
|                     |            | 1       | 2         | 18.44                | 18.63   | 18.48   | 20.00   |
|                     |            | 1       | 5         | 18.80                | 18.71   | 18.73   | 20.00   |
|                     |            | 3       | 0         | 18.53                | 18.45   | 18.43   | 20.00   |
|                     |            | 3       | 2         | 18.40                | 18.39   | 18.35   | 20.00   |
|                     |            | 3       | 3         | 18.56                | 18.56   | 18.49   | 20.00   |
|                     |            | 6       | 0         | 18.63                | 18.39   | 18.58   | 20.00   |
| Bandwidth           | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz                | QPSK       | 1       | 0         | 23.40                | 23.32   | 23.36   | 25.00   |
|                     |            | 1       | 7         | 23.23                | 23.44   | 23.34   | 25.00   |
|                     |            | 1       | 14        | 23.31                | 23.43   | 23.15   | 25.00   |
|                     |            | 8       | 0         | 22.46                | 22.44   | 22.38   | 24.00   |
|                     |            | 8       | 4         | 22.47                | 22.32   | 22.29   | 24.00   |
|                     |            | 8       | 7         | 22.56                | 22.48   | 22.52   | 24.00   |
|                     |            | 8       | 7         | 22.56                | 22.48   | 22.52   | 24.00   |



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

Report No.: SZCR240700286108

Page: 844 of 1531

|           |            | 15      | 0         | 22.40   | 22.55   | 22.41   | 24.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           | 16QAM      | 1       | 0         | 22.12   | 22.08   | 22.30   | 24.00   |
|           |            | 1       | 7         | 22.22   | 22.21   | 22.21   | 24.00   |
|           |            | 1       | 14        | 22.22   | 22.15   | 22.13   | 24.00   |
|           |            | 8       | 0         | 21.43   | 21.41   | 21.48   | 23.00   |
|           |            | 8       | 4         | 21.39   | 21.54   | 21.29   | 23.00   |
|           |            | 8       | 7         | 21.43   | 21.35   | 21.45   | 23.00   |
|           |            | 15      | 0         | 21.59   | 21.50   | 21.54   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.50   | 21.46   | 21.48   | 23.00   |
|           |            | 1       | 7         | 21.36   | 21.50   | 21.48   | 23.00   |
|           |            | 1       | 14        | 21.39   | 21.47   | 21.43   | 23.00   |
|           |            | 8       | 0         | 20.49   | 20.39   | 20.42   | 22.00   |
|           |            | 8       | 4         | 20.30   | 20.39   | 20.47   | 22.00   |
|           |            | 8       | 7         | 20.40   | 20.49   | 20.37   | 22.00   |
|           |            | 15      | 0         | 20.42   | 20.46   | 20.41   | 22.00   |
|           | 256QAM     | 1       | 0         | 18.66   | 18.52   | 18.60   | 20.00   |
|           |            | 1       | 7         | 18.56   | 18.56   | 18.53   | 20.00   |
|           |            | 1       | 14        | 18.80   | 18.80   | 18.71   | 20.00   |
|           |            | 8       | 0         | 18.35   | 18.49   | 18.46   | 20.00   |
|           |            | 8       | 4         | 18.47   | 18.34   | 18.31   | 20.00   |
|           |            | 8       | 7         | 18.64   | 18.55   | 18.49   | 20.00   |
|           |            | 15      | 0         | 18.53   | 18.39   | 18.53   | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26715   | 26865   | 27015   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.30   | 23.32   | 23.52   | 25.00   |
|           |            | 1       | 13        | 23.30   | 23.40   | 23.44   | 25.00   |
|           |            | 1       | 24        | 23.41   | 23.28   | 23.18   | 25.00   |
|           |            | 12      | 0         | 22.40   | 22.37   | 22.30   | 24.00   |
|           |            | 12      | 6         | 22.48   | 22.45   | 22.33   | 24.00   |
|           |            | 12      | 13        | 22.46   | 22.37   | 22.58   | 24.00   |
|           |            | 25      | 0         | 22.51   | 22.46   | 22.38   | 24.00   |
|           | 16QAM      | 1       | 0         | 22.09   | 22.11   | 22.19   | 24.00   |
|           |            | 1       | 13        | 22.31   | 22.29   | 22.24   | 24.00   |
|           |            | 1       | 24        | 22.12   | 22.06   | 22.26   | 24.00   |
|           |            | 12      | 0         | 21.43   | 21.41   | 21.46   | 23.00   |
|           |            | 12      | 6         | 21.41   | 21.36   | 21.41   | 23.00   |
|           |            | 12      | 13        | 21.44   | 21.41   | 21.51   | 23.00   |
|           |            | 25      | 0         | 21.46   | 21.55   | 21.48   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.55   | 21.54   | 21.41   | 23.00   |
|           |            | 1       | 13        | 21.42   | 21.42   | 21.35   | 23.00   |



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

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

Report No.: SZCR240700286108

Page: 845 of 1531

|           |            | 1       | 24        | 21.50   | 21.56   | 21.49   | 23.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 0         | 20.42   | 20.49   | 20.50   | 22.00   |
|           |            | 12      | 6         | 20.35   | 20.45   | 20.48   | 22.00   |
|           |            | 12      | 13        | 20.39   | 20.45   | 20.45   | 22.00   |
|           |            | 25      | 0         | 20.51   | 20.36   | 20.36   | 22.00   |
|           | 256QAM     | 1       | 0         | 18.63   | 18.72   | 18.55   | 20.00   |
|           |            | 1       | 13        | 18.50   | 18.63   | 18.52   | 20.00   |
|           |            | 1       | 24        | 18.75   | 18.79   | 18.77   | 20.00   |
|           |            | 12      | 0         | 18.53   | 18.47   | 18.55   | 20.00   |
|           |            | 12      | 6         | 18.40   | 18.44   | 18.27   | 20.00   |
|           |            | 12      | 13        | 18.56   | 18.50   | 18.50   | 20.00   |
|           |            | 25      | 0         | 18.66   | 18.44   | 18.51   | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26740   | 26865   | 26990   |         |
| 10MHz     | QPSK       | 1       | 0         | 23.23   | 23.43   | 23.55   | 25.00   |
|           |            | 1       | 25        | 23.39   | 23.38   | 23.40   | 25.00   |
|           |            | 1       | 49        | 23.34   | 23.32   | 23.32   | 25.00   |
|           |            | 25      | 0         | 22.34   | 22.30   | 22.27   | 24.00   |
|           |            | 25      | 13        | 22.56   | 22.43   | 22.38   | 24.00   |
|           |            | 25      | 25        | 22.60   | 22.47   | 22.44   | 24.00   |
|           |            | 50      | 0         | 22.39   | 22.43   | 22.39   | 24.00   |
|           | 16QAM      | 1       | 0         | 22.13   | 22.09   | 22.26   | 24.00   |
|           |            | 1       | 25        | 22.25   | 22.11   | 22.22   | 24.00   |
|           |            | 1       | 49        | 22.20   | 22.10   | 22.11   | 24.00   |
|           |            | 25      | 0         | 21.39   | 21.41   | 21.63   | 23.00   |
|           |            | 25      | 13        | 21.43   | 21.38   | 21.29   | 23.00   |
|           |            | 25      | 25        | 21.30   | 21.45   | 21.38   | 23.00   |
|           |            | 50      | 0         | 21.57   | 21.47   | 21.44   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.50   | 21.46   | 21.56   | 23.00   |
|           |            | 1       | 25        | 21.38   | 21.55   | 21.46   | 23.00   |
|           |            | 1       | 49        | 21.51   | 21.37   | 21.54   | 23.00   |
|           |            | 25      | 0         | 20.34   | 20.30   | 20.40   | 22.00   |
|           |            | 25      | 13        | 20.39   | 20.38   | 20.37   | 22.00   |
|           |            | 25      | 25        | 20.55   | 20.41   | 20.46   | 22.00   |
|           |            | 50      | 0         | 20.53   | 20.45   | 20.32   | 22.00   |
|           | 256QAM     | 1       | 0         | 18.77   | 18.66   | 18.63   | 20.00   |
|           |            | 1       | 25        | 18.57   | 18.57   | 18.59   | 20.00   |
|           |            | 1       | 49        | 18.85   | 18.80   | 18.61   | 20.00   |
|           |            | 25      | 0         | 18.37   | 18.51   | 18.50   | 20.00   |
|           |            | 25      | 13        | 18.38   | 18.41   | 18.36   | 20.00   |



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

Report No.: SZCR240700286108

Page: 846 of 1531

|           |            | 25      | 25        | 18.49   | 18.47   | 18.53   | 20.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 50      | 0         | 18.66   | 18.53   | 18.49   | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26765   | 26865   | 26965   |         |
| 15MHz     | QPSK       | 1       | 0         | 23.30   | 23.36   | 23.46   | 25.00   |
|           |            | 1       | 38        | 23.31   | 23.41   | 23.43   | 25.00   |
|           |            | 1       | 74        | 23.37   | 23.33   | 23.24   | 25.00   |
|           |            | 36      | 0         | 22.39   | 22.40   | 22.30   | 24.00   |
|           |            | 36      | 18        | 22.47   | 22.41   | 22.35   | 24.00   |
|           |            | 36      | 39        | 22.53   | 22.45   | 22.48   | 24.00   |
|           |            | 75      | 0         | 22.49   | 22.49   | 22.42   | 24.00   |
|           | 16QAM      | 1       | 0         | 22.19   | 22.18   | 22.26   | 24.00   |
|           |            | 1       | 38        | 22.26   | 22.21   | 22.24   | 24.00   |
|           |            | 1       | 74        | 22.17   | 22.13   | 22.21   | 24.00   |
|           |            | 36      | 0         | 21.41   | 21.47   | 21.55   | 23.00   |
|           |            | 36      | 18        | 21.46   | 21.44   | 21.36   | 23.00   |
|           |            | 36      | 39        | 21.37   | 21.43   | 21.44   | 23.00   |
|           |            | 75      | 0         | 21.56   | 21.48   | 21.47   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.49   | 21.50   | 21.46   | 23.00   |
|           |            | 1       | 38        | 21.43   | 21.49   | 21.45   | 23.00   |
|           |            | 1       | 74        | 21.46   | 21.46   | 21.52   | 23.00   |
|           |            | 36      | 0         | 20.40   | 20.40   | 20.45   | 22.00   |
|           |            | 36      | 18        | 20.37   | 20.43   | 20.43   | 22.00   |
|           |            | 36      | 39        | 20.46   | 20.41   | 20.39   | 22.00   |
|           |            | 75      | 0         | 20.51   | 20.44   | 20.41   | 22.00   |
|           | 256QAM     | 1       | 0         | 18.67   | 18.62   | 18.55   | 20.00   |
|           |            | 1       | 38        | 18.54   | 18.62   | 18.52   | 20.00   |
|           |            | 1       | 74        | 18.77   | 18.73   | 18.69   | 20.00   |
|           |            | 36      | 0         | 18.45   | 18.41   | 18.51   | 20.00   |
|           |            | 36      | 18        | 18.41   | 18.44   | 18.37   | 20.00   |
|           |            | 36      | 39        | 18.55   | 18.50   | 18.52   | 20.00   |
|           |            | 75      | 0         | 18.57   | 18.48   | 18.50   | 20.00   |



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

Report No.: SZCR240700286108

Page: 847 of 1531

| LTE Band 26 DSI 8/9/10 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 26697                | 26865   | 27033   |         |
| 1.4MHz                 | QPSK       | 1       | 0         | 20.72                | 20.87   | 21.01   | 22.50   |
|                        |            | 1       | 2         | 20.89                | 20.98   | 20.92   | 22.50   |
|                        |            | 1       | 5         | 20.84                | 20.69   | 20.81   | 22.50   |
|                        |            | 3       | 0         | 20.78                | 20.87   | 20.95   | 22.50   |
|                        |            | 3       | 2         | 20.85                | 21.03   | 20.94   | 22.50   |
|                        |            | 3       | 3         | 20.78                | 20.80   | 20.76   | 22.50   |
|                        |            | 6       | 0         | 20.74                | 20.93   | 20.94   | 22.50   |
|                        | 16QAM      | 1       | 0         | 20.77                | 20.97   | 20.97   | 22.50   |
|                        |            | 1       | 2         | 20.77                | 20.92   | 21.04   | 22.50   |
|                        |            | 1       | 5         | 20.89                | 20.79   | 20.79   | 22.50   |
|                        |            | 3       | 0         | 20.78                | 20.85   | 20.95   | 22.50   |
|                        |            | 3       | 2         | 20.90                | 20.88   | 20.87   | 22.50   |
|                        |            | 3       | 3         | 20.79                | 20.78   | 20.71   | 22.50   |
|                        |            | 6       | 0         | 20.82                | 20.90   | 20.88   | 22.50   |
|                        | 64QAM      | 1       | 0         | 20.82                | 20.92   | 20.99   | 22.50   |
|                        |            | 1       | 2         | 20.86                | 20.92   | 20.94   | 22.50   |
|                        |            | 1       | 5         | 20.91                | 20.76   | 20.80   | 22.50   |
|                        |            | 3       | 0         | 20.80                | 20.94   | 20.96   | 22.50   |
|                        |            | 3       | 2         | 20.75                | 20.90   | 20.99   | 22.50   |
|                        |            | 3       | 3         | 20.93                | 20.81   | 20.63   | 22.50   |
|                        |            | 6       | 0         | 20.47                | 20.52   | 20.34   | 22.00   |
|                        | 256QAM     | 1       | 0         | 18.72                | 18.53   | 18.44   | 20.00   |
|                        |            | 1       | 2         | 18.54                | 18.79   | 18.54   | 20.00   |
|                        |            | 1       | 5         | 18.80                | 18.90   | 18.75   | 20.00   |
|                        |            | 3       | 0         | 18.47                | 18.37   | 18.53   | 20.00   |
|                        |            | 3       | 2         | 18.33                | 18.37   | 18.43   | 20.00   |
|                        |            | 3       | 3         | 18.50                | 18.39   | 18.53   | 20.00   |
|                        |            | 6       | 0         | 18.58                | 18.42   | 18.41   | 20.00   |
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz                   | QPSK       | 1       | 0         | 20.74                | 20.79   | 20.99   | 22.50   |
|                        |            | 1       | 7         | 20.86                | 20.89   | 21.04   | 22.50   |
|                        |            | 1       | 14        | 20.90                | 20.68   | 20.70   | 22.50   |
|                        |            | 8       | 0         | 20.69                | 20.79   | 20.90   | 22.50   |
|                        |            | 8       | 4         | 20.87                | 20.94   | 21.02   | 22.50   |
|                        |            | 8       | 7         | 20.82                | 20.73   | 20.61   | 22.50   |
|                        |            | 8       | 7         | 20.82                | 20.73   | 20.61   | 22.50   |



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

Report No.: SZCR240700286108

Page: 848 of 1531

|           |            | 15      | 0         | 20.75   | 20.86   | 21.01   | 22.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           | 16QAM      | 1       | 0         | 20.75   | 20.97   | 20.89   | 22.50   |
|           |            | 1       | 7         | 20.95   | 20.84   | 20.69   | 22.50   |
|           |            | 1       | 14        | 20.87   | 21.01   | 20.98   | 22.50   |
|           |            | 8       | 0         | 20.68   | 20.91   | 20.86   | 22.50   |
|           |            | 8       | 4         | 20.87   | 20.85   | 20.61   | 22.50   |
|           |            | 8       | 7         | 20.72   | 20.82   | 21.09   | 22.50   |
|           |            | 15      | 0         | 20.94   | 20.86   | 20.93   | 22.50   |
|           | 64QAM      | 1       | 0         | 20.86   | 20.78   | 20.84   | 22.50   |
|           |            | 1       | 7         | 20.87   | 20.95   | 20.93   | 22.50   |
|           |            | 1       | 14        | 20.76   | 20.87   | 20.66   | 22.50   |
|           |            | 8       | 0         | 20.21   | 20.39   | 20.46   | 22.00   |
|           |            | 8       | 4         | 20.41   | 20.48   | 20.43   | 22.00   |
|           |            | 8       | 7         | 20.44   | 20.42   | 20.43   | 22.00   |
|           |            | 15      | 0         | 20.47   | 20.53   | 20.44   | 22.00   |
|           | 256QAM     | 1       | 0         | 18.69   | 18.59   | 18.58   | 20.00   |
|           |            | 1       | 7         | 18.63   | 18.68   | 18.64   | 20.00   |
|           |            | 1       | 14        | 18.75   | 18.85   | 18.83   | 20.00   |
|           |            | 8       | 0         | 18.46   | 18.30   | 18.53   | 20.00   |
|           |            | 8       | 4         | 18.38   | 18.28   | 18.41   | 20.00   |
|           |            | 8       | 7         | 18.50   | 18.56   | 18.58   | 20.00   |
|           |            | 15      | 0         | 18.65   | 18.49   | 18.58   | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26715   | 26865   | 27015   |         |
| 5MHz      | QPSK       | 1       | 0         | 20.84   | 20.82   | 20.94   | 22.50   |
|           |            | 1       | 13        | 20.86   | 21.02   | 20.92   | 22.50   |
|           |            | 1       | 24        | 20.88   | 20.72   | 20.75   | 22.50   |
|           |            | 12      | 0         | 20.81   | 20.89   | 20.94   | 22.50   |
|           |            | 12      | 6         | 20.84   | 20.95   | 21.01   | 22.50   |
|           |            | 12      | 13        | 20.81   | 20.75   | 20.63   | 22.50   |
|           |            | 25      | 0         | 20.90   | 20.80   | 20.88   | 22.50   |
|           | 16QAM      | 1       | 0         | 20.92   | 20.84   | 20.86   | 22.50   |
|           |            | 1       | 13        | 20.93   | 20.76   | 20.67   | 22.50   |
|           |            | 1       | 24        | 20.81   | 20.91   | 21.00   | 22.50   |
|           |            | 12      | 0         | 20.83   | 20.99   | 21.01   | 22.50   |
|           |            | 12      | 6         | 20.85   | 20.91   | 20.73   | 22.50   |
|           |            | 12      | 13        | 20.68   | 20.85   | 20.91   | 22.50   |
|           |            | 25      | 0         | 20.76   | 20.84   | 20.78   | 22.50   |
|           | 64QAM      | 1       | 0         | 20.88   | 20.91   | 20.83   | 22.50   |
|           |            | 1       | 13        | 20.90   | 20.85   | 20.79   | 22.50   |



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

Report No.: SZCR240700286108

Page: 849 of 1531

|           |            | 1       | 24        | 20.86   | 20.92   | 20.63   | 22.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 0         | 20.29   | 20.27   | 20.54   | 22.00   |
|           |            | 12      | 6         | 20.37   | 20.39   | 20.43   | 22.00   |
|           |            | 12      | 13        | 20.46   | 20.42   | 20.47   | 22.00   |
|           |            | 25      | 0         | 20.38   | 20.43   | 20.43   | 22.00   |
|           | 256QAM     | 1       | 0         | 18.82   | 18.53   | 18.56   | 20.00   |
|           |            | 1       | 13        | 18.56   | 18.70   | 18.52   | 20.00   |
|           |            | 1       | 24        | 18.75   | 18.89   | 18.68   | 20.00   |
|           |            | 12      | 0         | 18.39   | 18.43   | 18.41   | 20.00   |
|           |            | 12      | 6         | 18.40   | 18.35   | 18.43   | 20.00   |
|           |            | 12      | 13        | 18.53   | 18.44   | 18.56   | 20.00   |
|           |            | 25      | 0         | 18.64   | 18.51   | 18.57   | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26740   | 26865   | 26990   |         |
| 10MHz     | QPSK       | 1       | 0         | 20.73   | 20.98   | 20.96   | 22.50   |
|           |            | 1       | 25        | 20.87   | 20.96   | 20.95   | 22.50   |
|           |            | 1       | 49        | 20.82   | 20.77   | 20.86   | 22.50   |
|           |            | 25      | 0         | 20.72   | 20.82   | 20.88   | 22.50   |
|           |            | 25      | 13        | 20.91   | 20.86   | 21.01   | 22.50   |
|           |            | 25      | 25        | 20.92   | 20.76   | 20.79   | 22.50   |
|           |            | 50      | 0         | 20.89   | 20.90   | 20.86   | 22.50   |
|           | 16QAM      | 1       | 0         | 20.79   | 20.93   | 20.95   | 22.50   |
|           |            | 1       | 25        | 21.00   | 20.91   | 20.65   | 22.50   |
|           |            | 1       | 49        | 20.70   | 20.88   | 20.98   | 22.50   |
|           |            | 25      | 0         | 20.85   | 20.92   | 20.87   | 22.50   |
|           |            | 25      | 13        | 20.88   | 20.98   | 20.72   | 22.50   |
|           |            | 25      | 25        | 20.68   | 20.95   | 21.04   | 22.50   |
|           |            | 50      | 0         | 20.88   | 20.98   | 20.83   | 22.50   |
|           | 64QAM      | 1       | 0         | 20.90   | 20.86   | 20.68   | 22.50   |
|           |            | 1       | 25        | 20.91   | 20.97   | 20.85   | 22.50   |
|           |            | 1       | 49        | 20.79   | 20.86   | 20.77   | 22.50   |
|           |            | 25      | 0         | 20.35   | 20.35   | 20.60   | 22.00   |
|           |            | 25      | 13        | 20.45   | 20.51   | 20.38   | 22.00   |
|           |            | 25      | 25        | 20.48   | 20.58   | 20.44   | 22.00   |
|           |            | 50      | 0         | 20.54   | 20.53   | 20.48   | 22.00   |
|           | 256QAM     | 1       | 0         | 18.68   | 18.52   | 18.59   | 20.00   |
|           |            | 1       | 25        | 18.51   | 18.64   | 18.66   | 20.00   |
|           |            | 1       | 49        | 18.66   | 18.79   | 18.71   | 20.00   |
|           |            | 25      | 0         | 18.33   | 18.27   | 18.47   | 20.00   |
|           |            | 25      | 13        | 18.33   | 18.42   | 18.39   | 20.00   |



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

Report No.: SZCR240700286108

Page: 850 of 1531

|           |            | 25      | 25        | 18.58   | 18.40   | 18.41   | 20.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 50      | 0         | 18.71   | 18.49   | 18.61   | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26765   | 26865   | 26965   |         |
| 15MHz     | QPSK       | 1       | 0         | 20.75   | 20.89   | 20.92   | 22.50   |
|           |            | 1       | 38        | 20.86   | 20.95   | 20.98   | 22.50   |
|           |            | 1       | 74        | 20.85   | 20.78   | 20.78   | 22.50   |
|           |            | 36      | 0         | 20.78   | 20.84   | 20.97   | 22.50   |
|           |            | 36      | 18        | 20.84   | 20.94   | 20.96   | 22.50   |
|           |            | 36      | 39        | 20.88   | 20.79   | 20.69   | 22.50   |
|           |            | 75      | 0         | 20.83   | 20.86   | 20.92   | 22.50   |
|           | 16QAM      | 1       | 0         | 20.85   | 20.94   | 20.90   | 22.50   |
|           |            | 1       | 38        | 20.91   | 20.82   | 20.74   | 22.50   |
|           |            | 1       | 74        | 20.77   | 20.91   | 20.91   | 22.50   |
|           |            | 36      | 0         | 20.78   | 20.93   | 20.94   | 22.50   |
|           |            | 36      | 18        | 20.90   | 20.88   | 20.70   | 22.50   |
|           |            | 36      | 39        | 20.77   | 20.85   | 21.00   | 22.50   |
|           |            | 75      | 0         | 20.84   | 20.88   | 20.88   | 22.50   |
|           | 64QAM      | 1       | 0         | 20.88   | 20.81   | 20.78   | 22.50   |
|           |            | 1       | 38        | 20.82   | 20.91   | 20.89   | 22.50   |
|           |            | 1       | 74        | 20.82   | 20.87   | 20.69   | 22.50   |
|           |            | 36      | 0         | 20.31   | 20.33   | 20.50   | 22.00   |
|           |            | 36      | 18        | 20.47   | 20.42   | 20.43   | 22.00   |
|           |            | 36      | 39        | 20.53   | 20.51   | 20.42   | 22.00   |
|           |            | 75      | 0         | 20.46   | 20.48   | 20.39   | 22.00   |
|           | 256QAM     | 1       | 0         | 18.74   | 18.59   | 18.49   | 20.00   |
|           |            | 1       | 38        | 18.59   | 18.69   | 18.59   | 20.00   |
|           |            | 1       | 74        | 18.75   | 18.83   | 18.77   | 20.00   |
|           |            | 36      | 0         | 18.41   | 18.35   | 18.47   | 20.00   |
|           |            | 36      | 18        | 18.42   | 18.37   | 18.42   | 20.00   |
|           |            | 36      | 39        | 18.57   | 18.47   | 18.51   | 20.00   |
|           |            | 75      | 0         | 18.61   | 18.42   | 18.51   | 20.00   |



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## 7.2 Conducted Power of LTE Uplink CA (Ant31)

| LTE Band 2 DSI 2/3/4 |            |         |           | Conducted Power(dBm) |         |         |         |
|----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth            | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz               | QPSK       | 1       | 0         | 22.08                | 22.06   | 22.09   | 23.50   |
|                      |            | 1       | 2         | 21.89                | 21.90   | 22.09   | 23.50   |
|                      |            | 1       | 5         | 22.08                | 22.03   | 22.11   | 23.50   |
|                      |            | 3       | 0         | 22.08                | 22.09   | 21.99   | 23.50   |
|                      |            | 3       | 2         | 22.00                | 22.05   | 22.05   | 23.50   |
|                      |            | 3       | 3         | 22.03                | 22.05   | 21.97   | 23.50   |
|                      |            | 6       | 0         | 20.95                | 21.14   | 21.03   | 22.50   |
|                      | 16QAM      | 1       | 0         | 21.05                | 21.18   | 20.98   | 22.50   |
|                      |            | 1       | 2         | 21.10                | 21.17   | 21.10   | 22.50   |
|                      |            | 1       | 5         | 21.09                | 21.02   | 21.01   | 22.50   |
|                      |            | 3       | 0         | 20.79                | 20.85   | 20.87   | 22.50   |
|                      |            | 3       | 2         | 20.86                | 20.76   | 20.84   | 22.50   |
|                      |            | 3       | 3         | 20.75                | 20.73   | 20.63   | 22.50   |
|                      |            | 6       | 0         | 21.01                | 21.11   | 21.25   | 21.50   |
|                      | 64QAM      | 1       | 0         | 21.14                | 21.18   | 21.13   | 21.50   |
|                      |            | 1       | 2         | 21.05                | 21.13   | 20.99   | 21.50   |
|                      |            | 1       | 5         | 21.19                | 21.06   | 21.09   | 21.50   |
|                      |            | 3       | 0         | 20.87                | 20.75   | 20.67   | 21.50   |
|                      |            | 3       | 2         | 20.99                | 20.89   | 20.74   | 21.50   |
|                      |            | 3       | 3         | 20.75                | 20.77   | 20.80   | 21.50   |
|                      |            | 6       | 0         | 20.02                | 20.06   | 20.14   | 20.50   |
|                      | 256QAM     | 1       | 0         | 18.02                | 18.03   | 18.02   | 18.50   |
|                      |            | 1       | 2         | 18.07                | 17.99   | 18.00   | 18.50   |
|                      |            | 1       | 5         | 18.23                | 18.04   | 18.16   | 18.50   |
|                      |            | 3       | 0         | 18.20                | 18.20   | 18.20   | 18.50   |
|                      |            | 3       | 2         | 18.16                | 18.20   | 18.15   | 18.50   |
|                      |            | 3       | 3         | 18.10                | 18.10   | 18.03   | 18.50   |
|                      |            | 6       | 0         | 18.15                | 18.12   | 18.14   | 18.50   |
| Bandwidth            | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                      |            |         |           | 18615                | 18900   | 19185   |         |
| 3MHz                 | QPSK       | 1       | 0         | 21.99                | 21.97   | 22.06   | 23.50   |
|                      |            | 1       | 7         | 22.03                | 22.03   | 22.09   | 23.50   |
|                      |            | 1       | 14        | 22.01                | 21.92   | 21.95   | 23.50   |
|                      |            | 8       | 0         | 21.00                | 21.11   | 21.16   | 22.50   |
|                      |            | 8       | 4         | 20.97                | 21.10   | 21.17   | 22.50   |



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

Report No.: SZCR240700286108

Page: 852 of 1531

|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 7         | 21.11   | 21.14   | 21.06   | 22.50   |
|           |            | 15      | 0         | 20.90   | 21.02   | 21.15   | 22.50   |
|           | 16QAM      | 1       | 0         | 20.65   | 20.83   | 20.83   | 22.50   |
|           |            | 1       | 7         | 20.72   | 20.70   | 20.80   | 22.50   |
|           |            | 1       | 14        | 20.84   | 20.84   | 20.72   | 22.50   |
|           |            | 8       | 0         | 21.01   | 21.04   | 21.07   | 21.50   |
|           |            | 8       | 4         | 21.13   | 21.18   | 21.19   | 21.50   |
|           |            | 8       | 7         | 21.16   | 21.07   | 20.90   | 21.50   |
|           |            | 15      | 0         | 21.21   | 21.12   | 21.11   | 21.50   |
|           |            | 1       | 0         | 20.93   | 20.89   | 20.85   | 21.50   |
|           | 64QAM      | 1       | 7         | 20.90   | 20.92   | 20.86   | 21.50   |
|           |            | 1       | 14        | 20.89   | 20.80   | 20.94   | 21.50   |
|           |            | 8       | 0         | 20.06   | 20.03   | 20.27   | 20.50   |
|           |            | 8       | 4         | 19.95   | 20.04   | 20.00   | 20.50   |
|           |            | 8       | 7         | 20.10   | 20.15   | 20.02   | 20.50   |
|           |            | 15      | 0         | 20.06   | 20.02   | 20.11   | 20.50   |
|           |            | 1       | 0         | 18.10   | 18.03   | 17.99   | 18.50   |
|           |            | 1       | 7         | 18.08   | 17.99   | 18.08   | 18.50   |
|           | 256QAM     | 1       | 14        | 18.11   | 18.19   | 18.12   | 18.50   |
|           |            | 8       | 0         | 18.07   | 18.21   | 18.21   | 18.50   |
|           |            | 8       | 4         | 18.24   | 18.21   | 18.09   | 18.50   |
|           |            | 8       | 7         | 18.09   | 18.17   | 18.07   | 18.50   |
|           |            | 15      | 0         | 18.05   | 18.17   | 18.19   | 18.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 22.12   | 21.99   | 22.08   | 23.50   |
|           |            | 1       | 13        | 22.05   | 21.93   | 21.95   | 23.50   |
|           |            | 1       | 24        | 21.93   | 22.02   | 22.06   | 23.50   |
|           |            | 12      | 0         | 20.92   | 21.13   | 21.14   | 22.50   |
|           |            | 12      | 6         | 20.93   | 21.22   | 21.02   | 22.50   |
|           |            | 12      | 13        | 21.07   | 21.14   | 21.11   | 22.50   |
|           |            | 25      | 0         | 21.09   | 21.10   | 21.15   | 22.50   |
|           | 16QAM      | 1       | 0         | 20.71   | 20.86   | 20.85   | 22.50   |
|           |            | 1       | 13        | 20.82   | 20.85   | 20.69   | 22.50   |
|           |            | 1       | 24        | 20.76   | 20.84   | 20.64   | 22.50   |
|           |            | 12      | 0         | 21.01   | 21.14   | 21.10   | 21.50   |
|           |            | 12      | 6         | 21.18   | 21.03   | 21.15   | 21.50   |
|           |            | 12      | 13        | 21.08   | 21.00   | 20.94   | 21.50   |
|           |            | 25      | 0         | 21.17   | 21.01   | 21.19   | 21.50   |
|           | 64QAM      | 1       | 0         | 20.99   | 20.92   | 20.85   | 21.50   |



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

Report No.: SZCR240700286108

Page: 853 of 1531

|           |            | 1       | 13        | 20.91   | 20.84   | 20.80   | 21.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 24        | 20.88   | 20.85   | 20.79   | 21.50   |
|           |            | 12      | 0         | 20.09   | 20.05   | 20.17   | 20.50   |
|           |            | 12      | 6         | 19.96   | 19.97   | 20.05   | 20.50   |
|           |            | 12      | 13        | 20.11   | 20.09   | 20.02   | 20.50   |
|           |            | 25      | 0         | 20.13   | 20.15   | 20.07   | 20.50   |
|           | 256QAM     | 1       | 0         | 18.06   | 18.05   | 17.98   | 18.50   |
|           |            | 1       | 13        | 17.94   | 18.04   | 18.09   | 18.50   |
|           |            | 1       | 24        | 18.25   | 18.14   | 18.18   | 18.50   |
|           |            | 12      | 0         | 18.24   | 18.18   | 18.11   | 18.50   |
|           |            | 12      | 6         | 18.15   | 18.08   | 18.08   | 18.50   |
|           |            | 12      | 13        | 18.25   | 18.08   | 18.15   | 18.50   |
|           |            | 25      | 0         | 18.00   | 18.10   | 18.19   | 18.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 21.96   | 22.08   | 21.96   | 23.50   |
|           |            | 1       | 25        | 21.95   | 21.98   | 22.09   | 23.50   |
|           |            | 1       | 49        | 21.97   | 22.03   | 21.99   | 23.50   |
|           |            | 25      | 0         | 20.95   | 21.03   | 21.05   | 22.50   |
|           |            | 25      | 13        | 21.02   | 21.20   | 21.16   | 22.50   |
|           |            | 25      | 25        | 20.98   | 21.06   | 21.14   | 22.50   |
|           |            | 50      | 0         | 21.03   | 20.94   | 21.13   | 22.50   |
|           | 16QAM      | 1       | 0         | 20.67   | 20.83   | 20.81   | 22.50   |
|           |            | 1       | 25        | 20.78   | 20.89   | 20.73   | 22.50   |
|           |            | 1       | 49        | 20.72   | 20.65   | 20.67   | 22.50   |
|           |            | 25      | 0         | 20.99   | 21.19   | 21.08   | 21.50   |
|           |            | 25      | 13        | 21.00   | 21.05   | 21.15   | 21.50   |
|           |            | 25      | 25        | 21.08   | 21.03   | 21.02   | 21.50   |
|           |            | 50      | 0         | 21.15   | 21.14   | 21.04   | 21.50   |
|           | 64QAM      | 1       | 0         | 20.91   | 20.93   | 20.87   | 21.50   |
|           |            | 1       | 25        | 20.91   | 21.00   | 20.86   | 21.50   |
|           |            | 1       | 49        | 20.92   | 20.87   | 20.88   | 21.50   |
|           |            | 25      | 0         | 20.08   | 20.06   | 20.17   | 20.50   |
|           |            | 25      | 13        | 19.89   | 20.12   | 20.09   | 20.50   |
|           |            | 25      | 25        | 20.03   | 19.98   | 20.15   | 20.50   |
|           |            | 50      | 0         | 20.11   | 20.09   | 20.16   | 20.50   |
|           | 256QAM     | 1       | 0         | 18.07   | 18.06   | 18.01   | 18.50   |
|           |            | 1       | 25        | 17.97   | 18.15   | 17.97   | 18.50   |
|           |            | 1       | 49        | 18.19   | 18.10   | 18.12   | 18.50   |
|           |            | 25      | 0         | 18.13   | 18.05   | 18.05   | 18.50   |



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

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

Report No.: SZCR240700286108

Page: 854 of 1531

|           |            | 25      | 13        | 18.21   | 18.25   | 18.10   | 18.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 25        | 18.19   | 18.18   | 17.99   | 18.50   |
|           |            | 50      | 0         | 18.05   | 18.09   | 18.09   | 18.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 22.11   | 22.04   | 21.93   | 23.50   |
|           |            | 1       | 38        | 21.92   | 22.01   | 22.04   | 23.50   |
|           |            | 1       | 74        | 22.06   | 21.93   | 22.00   | 23.50   |
|           |            | 36      | 0         | 21.04   | 21.14   | 21.09   | 22.50   |
|           |            | 36      | 18        | 21.05   | 21.19   | 21.09   | 22.50   |
|           |            | 36      | 39        | 20.97   | 21.11   | 20.99   | 22.50   |
|           |            | 75      | 0         | 20.99   | 21.03   | 21.06   | 22.50   |
|           | 16QAM      | 1       | 0         | 20.71   | 20.85   | 20.91   | 22.50   |
|           |            | 1       | 38        | 20.84   | 20.85   | 20.68   | 22.50   |
|           |            | 1       | 74        | 20.80   | 20.81   | 20.81   | 22.50   |
|           |            | 36      | 0         | 20.97   | 21.03   | 21.13   | 21.50   |
|           |            | 36      | 18        | 21.12   | 21.13   | 21.13   | 21.50   |
|           |            | 36      | 39        | 21.10   | 21.14   | 20.96   | 21.50   |
|           |            | 75      | 0         | 21.15   | 21.01   | 21.18   | 21.50   |
|           | 64QAM      | 1       | 0         | 20.82   | 20.86   | 20.83   | 21.50   |
|           |            | 1       | 38        | 21.10   | 20.95   | 20.74   | 21.50   |
|           |            | 1       | 74        | 20.82   | 20.79   | 20.88   | 21.50   |
|           |            | 36      | 0         | 20.15   | 20.18   | 20.20   | 20.50   |
|           |            | 36      | 18        | 19.98   | 20.00   | 20.01   | 20.50   |
|           |            | 36      | 39        | 20.03   | 19.99   | 20.01   | 20.50   |
|           |            | 75      | 0         | 20.06   | 19.98   | 20.13   | 20.50   |
|           | 256QAM     | 1       | 0         | 18.03   | 18.13   | 17.95   | 18.50   |
|           |            | 1       | 38        | 17.90   | 18.11   | 18.05   | 18.50   |
|           |            | 1       | 74        | 18.19   | 18.05   | 18.10   | 18.50   |
|           |            | 36      | 0         | 18.24   | 18.16   | 18.10   | 18.50   |
|           |            | 36      | 18        | 18.16   | 18.14   | 18.11   | 18.50   |
|           |            | 36      | 39        | 18.07   | 18.11   | 18.09   | 18.50   |
|           |            | 75      | 0         | 18.02   | 18.21   | 18.18   | 18.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 22.04   | 22.01   | 22.00   | 23.50   |
|           |            | 1       | 50        | 21.99   | 21.98   | 22.05   | 23.50   |
|           |            | 1       | 99        | 22.00   | 21.97   | 22.04   | 23.50   |
|           |            | 50      | 0         | 21.00   | 21.10   | 21.12   | 22.50   |
|           |            | 50      | 25        | 21.02   | 21.12   | 21.07   | 22.50   |



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

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

Report No.: SZCR240700286108

Page: 855 of 1531

|  |        |     |    |       |       |       |       |
|--|--------|-----|----|-------|-------|-------|-------|
|  |        | 50  | 50 | 21.06 | 21.08 | 21.09 | 22.50 |
|  |        | 100 | 0  | 21.00 | 21.04 | 21.09 | 22.50 |
|  | 16QAM  | 1   | 0  | 20.71 | 20.79 | 20.89 | 22.50 |
|  |        | 1   | 50 | 20.78 | 20.80 | 20.76 | 22.50 |
|  |        | 1   | 99 | 20.77 | 20.74 | 20.73 | 22.50 |
|  |        | 50  | 0  | 21.01 | 21.10 | 21.16 | 21.50 |
|  |        | 50  | 25 | 21.08 | 21.13 | 21.20 | 21.50 |
|  |        | 50  | 50 | 21.14 | 21.09 | 20.99 | 21.50 |
|  |        | 100 | 0  | 21.11 | 21.08 | 21.12 | 21.50 |
|  |        | 1   | 0  | 20.91 | 20.85 | 20.77 | 21.50 |
|  | 64QAM  | 1   | 50 | 21.00 | 20.91 | 20.82 | 21.50 |
|  |        | 1   | 99 | 20.82 | 20.84 | 20.88 | 21.50 |
|  |        | 50  | 0  | 20.11 | 20.12 | 20.22 | 20.50 |
|  |        | 50  | 25 | 19.96 | 20.05 | 20.10 | 20.50 |
|  |        | 50  | 50 | 20.05 | 20.08 | 20.11 | 20.50 |
|  |        | 100 | 0  | 20.12 | 20.05 | 20.06 | 20.50 |
|  |        | 1   | 0  | 18.03 | 18.08 | 18.05 | 18.50 |
|  | 256QAM | 1   | 50 | 17.98 | 18.05 | 18.00 | 18.50 |
|  |        | 1   | 99 | 18.16 | 18.09 | 18.17 | 18.50 |
|  |        | 50  | 0  | 18.15 | 18.12 | 18.13 | 18.50 |
|  |        | 50  | 25 | 18.23 | 18.16 | 18.16 | 18.50 |
|  |        | 50  | 50 | 18.16 | 18.11 | 18.08 | 18.50 |
|  |        | 100 | 0  | 18.08 | 18.17 | 18.09 | 18.50 |



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

Report No.: SZCR240700286108

Page: 856 of 1531

| LTE Band 2 DSI 5 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                  |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz           | QPSK       | 1       | 0         | 16.91                | 16.84   | 16.95   | 18.50   |
|                  |            | 1       | 2         | 17.00                | 16.85   | 17.09   | 18.50   |
|                  |            | 1       | 5         | 17.04                | 16.91   | 17.06   | 18.50   |
|                  |            | 3       | 0         | 17.08                | 16.89   | 16.77   | 18.50   |
|                  |            | 3       | 2         | 16.87                | 16.90   | 16.96   | 18.50   |
|                  |            | 3       | 3         | 16.99                | 16.96   | 16.96   | 18.50   |
|                  |            | 6       | 0         | 16.90                | 16.92   | 17.02   | 18.50   |
|                  | 16QAM      | 1       | 0         | 16.90                | 16.94   | 16.97   | 18.50   |
|                  |            | 1       | 2         | 16.91                | 16.87   | 17.04   | 18.50   |
|                  |            | 1       | 5         | 17.13                | 17.00   | 16.97   | 18.50   |
|                  |            | 3       | 0         | 16.96                | 16.78   | 16.86   | 18.50   |
|                  |            | 3       | 2         | 16.95                | 16.82   | 16.98   | 18.50   |
|                  |            | 3       | 3         | 16.98                | 16.93   | 17.07   | 18.50   |
|                  |            | 6       | 0         | 16.97                | 16.88   | 16.89   | 18.50   |
|                  | 64QAM      | 1       | 0         | 16.88                | 16.87   | 17.06   | 18.50   |
|                  |            | 1       | 2         | 16.83                | 16.81   | 16.95   | 18.50   |
|                  |            | 1       | 5         | 16.99                | 17.09   | 17.05   | 18.50   |
|                  |            | 3       | 0         | 16.91                | 16.94   | 16.97   | 18.50   |
|                  |            | 3       | 2         | 16.92                | 17.12   | 16.91   | 18.50   |
|                  |            | 3       | 3         | 17.05                | 16.93   | 17.09   | 18.50   |
|                  |            | 6       | 0         | 16.92                | 17.00   | 17.07   | 18.50   |
|                  | 256QAM     | 1       | 0         | 18.05                | 18.24   | 18.20   | 18.50   |
|                  |            | 1       | 2         | 17.89                | 18.03   | 18.00   | 18.50   |
|                  |            | 1       | 5         | 18.23                | 18.07   | 18.13   | 18.50   |
|                  |            | 3       | 0         | 18.21                | 18.03   | 18.07   | 18.50   |
|                  |            | 3       | 2         | 18.24                | 18.29   | 18.11   | 18.50   |
|                  |            | 3       | 3         | 18.27                | 18.24   | 18.28   | 18.50   |
|                  |            | 6       | 0         | 18.22                | 18.16   | 18.10   | 18.50   |
| Bandwidth        | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz             | QPSK       | 1       | 0         | 16.97                | 16.90   | 16.86   | 18.50   |
|                  |            | 1       | 7         | 17.00                | 16.81   | 16.87   | 18.50   |
|                  |            | 1       | 14        | 16.93                | 16.88   | 17.02   | 18.50   |
|                  |            | 8       | 0         | 17.13                | 16.94   | 16.92   | 18.50   |
|                  |            | 8       | 4         | 16.94                | 16.91   | 16.97   | 18.50   |
|                  |            | 8       | 7         | 16.94                | 16.91   | 16.93   | 18.50   |
|                  |            | 8       | 7         | 16.94                | 16.91   | 16.93   | 18.50   |



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

Report No.: SZCR240700286108

Page: 857 of 1531

|           |            | 15      | 0         | 17.00   | 16.91   | 17.06   | 18.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           | 16QAM      | 1       | 0         | 16.88   | 16.91   | 17.06   | 18.50   |
|           |            | 1       | 7         | 17.04   | 16.92   | 17.12   | 18.50   |
|           |            | 1       | 14        | 17.02   | 16.93   | 17.04   | 18.50   |
|           |            | 8       | 0         | 16.94   | 16.96   | 17.00   | 18.50   |
|           |            | 8       | 4         | 16.92   | 17.10   | 16.87   | 18.50   |
|           |            | 8       | 7         | 16.95   | 16.94   | 16.98   | 18.50   |
|           |            | 15      | 0         | 16.88   | 16.93   | 16.97   | 18.50   |
|           | 64QAM      | 1       | 0         | 16.88   | 16.81   | 17.06   | 18.50   |
|           |            | 1       | 7         | 16.95   | 16.93   | 16.78   | 18.50   |
|           |            | 1       | 14        | 17.00   | 16.99   | 17.09   | 18.50   |
|           |            | 8       | 0         | 17.04   | 16.99   | 17.03   | 18.50   |
|           |            | 8       | 4         | 17.08   | 17.01   | 17.02   | 18.50   |
|           |            | 8       | 7         | 16.80   | 16.99   | 16.97   | 18.50   |
|           |            | 15      | 0         | 16.99   | 16.85   | 16.96   | 18.50   |
|           | 256QAM     | 1       | 0         | 17.94   | 18.14   | 18.16   | 18.50   |
|           |            | 1       | 7         | 18.01   | 18.20   | 18.01   | 18.50   |
|           |            | 1       | 14        | 18.26   | 18.10   | 18.13   | 18.50   |
|           |            | 8       | 0         | 18.12   | 18.06   | 18.20   | 18.50   |
|           |            | 8       | 4         | 18.09   | 18.19   | 18.20   | 18.50   |
|           |            | 8       | 7         | 18.10   | 18.12   | 18.10   | 18.50   |
|           |            | 15      | 0         | 18.27   | 18.20   | 17.98   | 18.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 16.97   | 16.82   | 16.92   | 18.50   |
|           |            | 1       | 13        | 16.83   | 16.99   | 16.96   | 18.50   |
|           |            | 1       | 24        | 17.03   | 16.91   | 16.97   | 18.50   |
|           |            | 12      | 0         | 16.91   | 17.08   | 16.81   | 18.50   |
|           |            | 12      | 6         | 16.82   | 16.94   | 16.92   | 18.50   |
|           |            | 12      | 13        | 17.02   | 16.91   | 16.89   | 18.50   |
|           |            | 25      | 0         | 17.10   | 17.00   | 16.97   | 18.50   |
|           | 16QAM      | 1       | 0         | 16.89   | 16.85   | 16.95   | 18.50   |
|           |            | 1       | 13        | 16.99   | 16.94   | 16.96   | 18.50   |
|           |            | 1       | 24        | 16.95   | 16.84   | 16.94   | 18.50   |
|           |            | 12      | 0         | 16.86   | 16.95   | 17.02   | 18.50   |
|           |            | 12      | 6         | 16.95   | 16.88   | 16.95   | 18.50   |
|           |            | 12      | 13        | 17.10   | 16.90   | 16.94   | 18.50   |
|           |            | 25      | 0         | 16.89   | 16.83   | 17.03   | 18.50   |
|           | 64QAM      | 1       | 0         | 16.87   | 16.85   | 16.93   | 18.50   |
|           |            | 1       | 13        | 17.03   | 16.93   | 16.93   | 18.50   |



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

Report No.: SZCR240700286108

Page: 858 of 1531

|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 24        | 16.95   | 17.00   | 17.10   | 18.50   |
|           |            | 12      | 0         | 16.89   | 16.94   | 17.09   | 18.50   |
|           |            | 12      | 6         | 17.06   | 16.97   | 16.99   | 18.50   |
|           |            | 12      | 13        | 17.05   | 16.83   | 17.09   | 18.50   |
|           |            | 25      | 0         | 16.94   | 16.84   | 16.93   | 18.50   |
|           | 256QAM     | 1       | 0         | 17.97   | 18.17   | 18.22   | 18.50   |
|           |            | 1       | 13        | 17.87   | 18.17   | 17.88   | 18.50   |
|           |            | 1       | 24        | 18.16   | 17.99   | 18.07   | 18.50   |
|           |            | 12      | 0         | 18.09   | 18.13   | 18.19   | 18.50   |
|           |            | 12      | 6         | 18.28   | 18.14   | 18.16   | 18.50   |
|           |            | 12      | 13        | 18.12   | 18.06   | 18.14   | 18.50   |
|           |            | 25      | 0         | 18.10   | 18.01   | 18.00   | 18.50   |
|           |            |         |           |         |         |         |         |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 17.04   | 16.92   | 17.06   | 18.50   |
|           |            | 1       | 25        | 16.97   | 16.92   | 16.90   | 18.50   |
|           |            | 1       | 49        | 17.04   | 16.85   | 17.12   | 18.50   |
|           |            | 25      | 0         | 17.09   | 16.91   | 16.84   | 18.50   |
|           |            | 25      | 13        | 17.02   | 16.84   | 16.90   | 18.50   |
|           |            | 25      | 25        | 17.02   | 16.95   | 17.08   | 18.50   |
|           |            | 50      | 0         | 16.94   | 16.87   | 16.96   | 18.50   |
|           |            |         |           |         |         |         |         |
|           | 16QAM      | 1       | 0         | 16.91   | 17.00   | 17.04   | 18.50   |
|           |            | 1       | 25        | 17.04   | 16.88   | 17.00   | 18.50   |
|           |            | 1       | 49        | 16.97   | 16.90   | 16.92   | 18.50   |
|           |            | 25      | 0         | 17.06   | 16.90   | 17.05   | 18.50   |
|           |            | 25      | 13        | 17.04   | 16.95   | 17.00   | 18.50   |
|           |            | 25      | 25        | 17.07   | 16.99   | 17.00   | 18.50   |
|           |            | 50      | 0         | 16.88   | 16.96   | 17.03   | 18.50   |
|           |            |         |           |         |         |         |         |
|           | 64QAM      | 1       | 0         | 16.99   | 16.87   | 17.05   | 18.50   |
|           |            | 1       | 25        | 16.99   | 16.88   | 16.87   | 18.50   |
|           |            | 1       | 49        | 17.01   | 16.85   | 17.07   | 18.50   |
|           |            | 25      | 0         | 17.07   | 16.96   | 17.13   | 18.50   |
|           |            | 25      | 13        | 17.06   | 17.04   | 16.95   | 18.50   |
|           |            | 25      | 25        | 16.85   | 17.02   | 16.99   | 18.50   |
|           |            | 50      | 0         | 16.96   | 16.96   | 16.90   | 18.50   |
|           |            |         |           |         |         |         |         |
|           | 256QAM     | 1       | 0         | 18.02   | 18.26   | 18.12   | 18.50   |
|           |            | 1       | 25        | 18.00   | 18.11   | 17.88   | 18.50   |
|           |            | 1       | 49        | 18.36   | 17.99   | 18.11   | 18.50   |
|           |            | 25      | 0         | 18.22   | 18.09   | 18.11   | 18.50   |
|           |            | 25      | 13        | 18.19   | 18.29   | 18.08   | 18.50   |



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

Report No.: SZCR240700286108

Page: 859 of 1531

|           |            | 25      | 25        | 18.15   | 18.16   | 18.13   | 18.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 50      | 0         | 18.18   | 18.09   | 18.08   | 18.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 17.12   | 16.98   | 17.00   | 18.50   |
|           |            | 1       | 38        | 16.87   | 16.82   | 17.11   | 18.50   |
|           |            | 1       | 74        | 16.98   | 16.99   | 17.10   | 18.50   |
|           |            | 36      | 0         | 17.18   | 16.88   | 16.96   | 18.50   |
|           |            | 36      | 18        | 17.07   | 16.82   | 16.96   | 18.50   |
|           |            | 36      | 39        | 16.88   | 16.90   | 16.87   | 18.50   |
|           |            | 75      | 0         | 17.03   | 16.91   | 16.99   | 18.50   |
|           | 16QAM      | 1       | 0         | 16.95   | 16.77   | 16.95   | 18.50   |
|           |            | 1       | 38        | 16.96   | 17.04   | 17.12   | 18.50   |
|           |            | 1       | 74        | 16.95   | 17.05   | 16.96   | 18.50   |
|           |            | 36      | 0         | 16.88   | 16.99   | 17.05   | 18.50   |
|           |            | 36      | 18        | 17.00   | 16.88   | 16.99   | 18.50   |
|           |            | 36      | 39        | 17.05   | 16.82   | 16.99   | 18.50   |
|           |            | 75      | 0         | 16.94   | 16.98   | 17.08   | 18.50   |
|           | 64QAM      | 1       | 0         | 16.93   | 16.83   | 16.96   | 18.50   |
|           |            | 1       | 38        | 16.96   | 17.06   | 16.97   | 18.50   |
|           |            | 1       | 74        | 17.00   | 16.83   | 16.93   | 18.50   |
|           |            | 36      | 0         | 17.01   | 16.91   | 17.04   | 18.50   |
|           |            | 36      | 18        | 16.99   | 16.93   | 16.96   | 18.50   |
|           |            | 36      | 39        | 16.94   | 16.77   | 17.09   | 18.50   |
|           |            | 75      | 0         | 17.03   | 17.05   | 17.01   | 18.50   |
|           | 256QAM     | 1       | 0         | 18.03   | 18.13   | 18.06   | 18.50   |
|           |            | 1       | 38        | 17.95   | 18.14   | 17.90   | 18.50   |
|           |            | 1       | 74        | 18.31   | 18.05   | 18.26   | 18.50   |
|           |            | 36      | 0         | 18.03   | 18.10   | 18.12   | 18.50   |
|           |            | 36      | 18        | 18.22   | 18.25   | 18.04   | 18.50   |
|           |            | 36      | 39        | 18.16   | 18.10   | 18.28   | 18.50   |
|           |            | 75      | 0         | 18.10   | 18.18   | 18.11   | 18.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 16.99   | 16.91   | 16.95   | 18.50   |
|           |            | 1       | 50        | 16.88   | 16.90   | 17.00   | 18.50   |
|           |            | 1       | 99        | 17.02   | 16.89   | 17.00   | 18.50   |
|           |            | 50      | 0         | 16.99   | 16.89   | 16.88   | 18.50   |
|           |            | 50      | 25        | 16.91   | 16.89   | 17.02   | 18.50   |
|           |            | 50      | 50        | 16.95   | 16.98   | 17.00   | 18.50   |



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

Report No.: SZCR240700286108

Page: 860 of 1531

|  |        |     |    |       |       |       |       |
|--|--------|-----|----|-------|-------|-------|-------|
|  |        | 100 | 0  | 17.09 | 16.99 | 16.99 | 18.50 |
|  | 16QAM  | 1   | 0  | 16.94 | 16.92 | 16.96 | 18.50 |
|  |        | 1   | 50 | 16.94 | 16.98 | 17.08 | 18.50 |
|  |        | 1   | 99 | 16.98 | 16.97 | 17.01 | 18.50 |
|  |        | 50  | 0  | 16.97 | 16.90 | 16.97 | 18.50 |
|  |        | 50  | 25 | 16.95 | 16.97 | 16.98 | 18.50 |
|  |        | 50  | 50 | 17.00 | 16.92 | 17.02 | 18.50 |
|  |        | 100 | 0  | 16.90 | 16.92 | 16.97 | 18.50 |
|  | 64QAM  | 1   | 0  | 16.97 | 16.82 | 17.00 | 18.50 |
|  |        | 1   | 50 | 16.98 | 16.91 | 16.93 | 18.50 |
|  |        | 1   | 99 | 16.91 | 16.97 | 17.01 | 18.50 |
|  |        | 50  | 0  | 17.03 | 16.89 | 16.99 | 18.50 |
|  |        | 50  | 25 | 17.04 | 17.05 | 16.87 | 18.50 |
|  |        | 50  | 50 | 16.91 | 16.92 | 17.05 | 18.50 |
|  |        | 100 | 0  | 16.87 | 16.97 | 16.98 | 18.50 |
|  | 256QAM | 1   | 0  | 17.97 | 18.17 | 18.13 | 18.50 |
|  |        | 1   | 50 | 17.96 | 18.13 | 17.93 | 18.50 |
|  |        | 1   | 99 | 18.26 | 18.05 | 18.17 | 18.50 |
|  |        | 50  | 0  | 18.13 | 18.13 | 18.15 | 18.50 |
|  |        | 50  | 25 | 18.18 | 18.21 | 18.14 | 18.50 |
|  |        | 50  | 50 | 18.17 | 18.14 | 18.18 | 18.50 |
|  |        | 100 | 0  | 18.18 | 18.10 | 18.03 | 18.50 |



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

Report No.: SZCR240700286108

Page: 861 of 1531

| LTE Band 2 DSI 8/9/10 |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz                | QPSK       | 1       | 0         | 13.96                | 13.92   | 14.02   | 15.50   |
|                       |            | 1       | 2         | 14.02                | 13.89   | 14.17   | 15.50   |
|                       |            | 1       | 5         | 14.07                | 13.90   | 14.13   | 15.50   |
|                       |            | 3       | 0         | 14.09                | 13.84   | 13.84   | 15.50   |
|                       |            | 3       | 2         | 13.90                | 13.93   | 13.94   | 15.50   |
|                       |            | 3       | 3         | 14.00                | 13.95   | 14.01   | 15.50   |
|                       |            | 6       | 0         | 13.96                | 13.97   | 14.03   | 15.50   |
|                       | 16QAM      | 1       | 0         | 13.86                | 13.93   | 14.03   | 15.50   |
|                       |            | 1       | 2         | 13.95                | 13.81   | 14.01   | 15.50   |
|                       |            | 1       | 5         | 14.20                | 14.06   | 13.94   | 15.50   |
|                       |            | 3       | 0         | 13.94                | 13.84   | 13.83   | 15.50   |
|                       |            | 3       | 2         | 13.98                | 13.83   | 14.06   | 15.50   |
|                       |            | 3       | 3         | 13.96                | 13.99   | 14.06   | 15.50   |
|                       |            | 6       | 0         | 13.96                | 13.86   | 13.87   | 15.50   |
|                       | 64QAM      | 1       | 0         | 13.92                | 13.94   | 14.05   | 15.50   |
|                       |            | 1       | 2         | 13.86                | 13.84   | 13.96   | 15.50   |
|                       |            | 1       | 5         | 14.03                | 14.11   | 14.10   | 15.50   |
|                       |            | 3       | 0         | 13.95                | 13.94   | 14.02   | 15.50   |
|                       |            | 3       | 2         | 14.00                | 14.19   | 13.96   | 15.50   |
|                       |            | 3       | 3         | 14.04                | 13.89   | 14.17   | 15.50   |
|                       |            | 6       | 0         | 13.99                | 13.97   | 14.15   | 15.50   |
|                       | 256QAM     | 1       | 0         | 15.09                | 15.23   | 15.27   | 15.50   |
|                       |            | 1       | 2         | 14.95                | 15.03   | 14.94   | 15.50   |
|                       |            | 1       | 5         | 15.20                | 15.13   | 15.08   | 15.50   |
|                       |            | 3       | 0         | 15.29                | 15.01   | 15.15   | 15.50   |
|                       |            | 3       | 2         | 15.24                | 15.35   | 15.19   | 15.50   |
|                       |            | 3       | 3         | 15.28                | 15.32   | 15.22   | 15.50   |
|                       |            | 6       | 0         | 15.24                | 15.15   | 15.12   | 15.50   |
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz                  | QPSK       | 1       | 0         | 14.01                | 13.85   | 13.88   | 15.50   |
|                       |            | 1       | 7         | 13.95                | 13.77   | 13.86   | 15.50   |
|                       |            | 1       | 14        | 13.95                | 13.86   | 14.08   | 15.50   |
|                       |            | 8       | 0         | 14.21                | 13.96   | 13.97   | 15.50   |
|                       |            | 8       | 4         | 13.93                | 13.94   | 13.96   | 15.50   |
|                       |            | 8       | 7         | 13.88                | 13.88   | 14.01   | 15.50   |
|                       |            | 8       | 7         | 13.88                | 13.88   | 14.01   | 15.50   |



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

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

Report No.: SZCR240700286108

Page: 862 of 1531

|           |            | 15      | 0         | 14.07   | 13.93   | 14.10   | 15.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           | 16QAM      | 1       | 0         | 13.82   | 13.86   | 14.07   | 15.50   |
|           |            | 1       | 7         | 13.99   | 13.92   | 14.06   | 15.50   |
|           |            | 1       | 14        | 13.99   | 13.90   | 14.11   | 15.50   |
|           |            | 8       | 0         | 13.99   | 14.03   | 13.99   | 15.50   |
|           |            | 8       | 4         | 13.88   | 14.07   | 13.84   | 15.50   |
|           |            | 8       | 7         | 13.93   | 13.96   | 13.95   | 15.50   |
|           |            | 15      | 0         | 13.89   | 13.95   | 14.00   | 15.50   |
|           | 64QAM      | 1       | 0         | 13.95   | 13.84   | 14.08   | 15.50   |
|           |            | 1       | 7         | 13.97   | 13.99   | 13.84   | 15.50   |
|           |            | 1       | 14        | 13.98   | 14.05   | 14.15   | 15.50   |
|           |            | 8       | 0         | 14.08   | 13.98   | 14.05   | 15.50   |
|           |            | 8       | 4         | 14.10   | 14.02   | 14.04   | 15.50   |
|           |            | 8       | 7         | 13.83   | 14.05   | 13.97   | 15.50   |
|           |            | 15      | 0         | 14.07   | 13.85   | 13.90   | 15.50   |
|           | 256QAM     | 1       | 0         | 15.00   | 15.16   | 15.16   | 15.50   |
|           |            | 1       | 7         | 15.04   | 15.27   | 15.04   | 15.50   |
|           |            | 1       | 14        | 15.29   | 15.05   | 15.08   | 15.50   |
|           |            | 8       | 0         | 15.12   | 15.11   | 15.14   | 15.50   |
|           |            | 8       | 4         | 15.04   | 15.18   | 15.16   | 15.50   |
|           |            | 8       | 7         | 15.09   | 15.08   | 15.08   | 15.50   |
|           |            | 15      | 0         | 15.29   | 15.21   | 15.02   | 15.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 13.92   | 13.86   | 13.96   | 15.50   |
|           |            | 1       | 13        | 13.77   | 13.93   | 13.92   | 15.50   |
|           |            | 1       | 24        | 14.11   | 13.96   | 13.99   | 15.50   |
|           |            | 12      | 0         | 13.92   | 14.03   | 13.88   | 15.50   |
|           |            | 12      | 6         | 13.90   | 13.95   | 13.87   | 15.50   |
|           |            | 12      | 13        | 13.96   | 13.98   | 13.96   | 15.50   |
|           |            | 25      | 0         | 14.04   | 14.07   | 14.03   | 15.50   |
|           | 16QAM      | 1       | 0         | 13.83   | 13.81   | 13.89   | 15.50   |
|           |            | 1       | 13        | 14.00   | 13.95   | 13.90   | 15.50   |
|           |            | 1       | 24        | 13.98   | 13.88   | 13.95   | 15.50   |
|           |            | 12      | 0         | 13.94   | 14.03   | 14.02   | 15.50   |
|           |            | 12      | 6         | 13.94   | 13.96   | 13.90   | 15.50   |
|           |            | 12      | 13        | 14.14   | 13.84   | 13.95   | 15.50   |
|           |            | 25      | 0         | 13.89   | 13.86   | 14.05   | 15.50   |
|           | 64QAM      | 1       | 0         | 13.92   | 13.80   | 13.96   | 15.50   |
|           |            | 1       | 13        | 14.00   | 14.00   | 13.95   | 15.50   |



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

Report No.: SZCR240700286108

Page: 863 of 1531

|           |            | 1       | 24        | 14.00   | 14.00   | 14.07   | 15.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 0         | 13.86   | 13.98   | 14.05   | 15.50   |
|           |            | 12      | 6         | 14.09   | 14.03   | 13.99   | 15.50   |
|           |            | 12      | 13        | 14.00   | 13.82   | 14.09   | 15.50   |
|           |            | 25      | 0         | 13.98   | 13.87   | 14.00   | 15.50   |
|           | 256QAM     | 1       | 0         | 14.94   | 15.24   | 15.22   | 15.50   |
|           |            | 1       | 13        | 14.84   | 15.18   | 14.93   | 15.50   |
|           |            | 1       | 24        | 15.17   | 15.04   | 15.10   | 15.50   |
|           |            | 12      | 0         | 15.06   | 15.13   | 15.17   | 15.50   |
|           |            | 12      | 6         | 15.30   | 15.09   | 15.15   | 15.50   |
|           |            | 12      | 13        | 15.20   | 15.11   | 15.21   | 15.50   |
|           |            | 25      | 0         | 15.14   | 14.96   | 15.01   | 15.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 14.03   | 13.86   | 14.13   | 15.50   |
|           |            | 1       | 25        | 13.91   | 13.98   | 13.84   | 15.50   |
|           |            | 1       | 49        | 14.07   | 13.79   | 14.10   | 15.50   |
|           |            | 25      | 0         | 14.11   | 13.96   | 13.82   | 15.50   |
|           |            | 25      | 13        | 14.00   | 13.86   | 13.85   | 15.50   |
|           |            | 25      | 25        | 14.05   | 13.91   | 14.09   | 15.50   |
|           |            | 50      | 0         | 13.95   | 13.88   | 14.02   | 15.50   |
|           | 16QAM      | 1       | 0         | 13.89   | 13.94   | 14.12   | 15.50   |
|           |            | 1       | 25        | 14.04   | 13.92   | 14.07   | 15.50   |
|           |            | 1       | 49        | 13.96   | 13.89   | 13.88   | 15.50   |
|           |            | 25      | 0         | 14.06   | 13.90   | 14.08   | 15.50   |
|           |            | 25      | 13        | 14.01   | 13.91   | 13.96   | 15.50   |
|           |            | 25      | 25        | 14.04   | 13.96   | 14.08   | 15.50   |
|           |            | 50      | 0         | 13.90   | 13.93   | 13.99   | 15.50   |
|           | 64QAM      | 1       | 0         | 13.99   | 13.89   | 14.03   | 15.50   |
|           |            | 1       | 25        | 13.97   | 13.86   | 13.92   | 15.50   |
|           |            | 1       | 49        | 14.00   | 13.93   | 14.13   | 15.50   |
|           |            | 25      | 0         | 14.02   | 13.93   | 14.12   | 15.50   |
|           |            | 25      | 13        | 14.08   | 14.05   | 13.96   | 15.50   |
|           |            | 25      | 25        | 13.92   | 13.99   | 13.94   | 15.50   |
|           |            | 50      | 0         | 13.99   | 13.94   | 13.88   | 15.50   |
|           | 256QAM     | 1       | 0         | 15.00   | 15.30   | 15.11   | 15.50   |
|           |            | 1       | 25        | 15.02   | 15.10   | 14.87   | 15.50   |
|           |            | 1       | 49        | 15.38   | 15.01   | 15.08   | 15.50   |
|           |            | 25      | 0         | 15.30   | 15.04   | 15.10   | 15.50   |
|           |            | 25      | 13        | 15.19   | 15.36   | 15.14   | 15.50   |



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

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

Report No.: SZCR240700286108

Page: 864 of 1531

|           |            | 25      | 25        | 15.23   | 15.19   | 15.08   | 15.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 50      | 0         | 15.26   | 15.15   | 15.08   | 15.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 14.15   | 13.94   | 13.95   | 15.50   |
|           |            | 1       | 38        | 13.92   | 13.80   | 14.06   | 15.50   |
|           |            | 1       | 74        | 13.99   | 13.94   | 14.13   | 15.50   |
|           |            | 36      | 0         | 14.12   | 13.93   | 13.99   | 15.50   |
|           |            | 36      | 18        | 14.12   | 13.80   | 14.02   | 15.50   |
|           |            | 36      | 39        | 13.86   | 13.89   | 13.95   | 15.50   |
|           |            | 75      | 0         | 14.01   | 13.88   | 14.07   | 15.50   |
|           | 16QAM      | 1       | 0         | 13.97   | 13.74   | 13.99   | 15.50   |
|           |            | 1       | 38        | 14.01   | 13.98   | 14.10   | 15.50   |
|           |            | 1       | 74        | 13.96   | 14.00   | 13.90   | 15.50   |
|           |            | 36      | 0         | 13.89   | 13.94   | 14.09   | 15.50   |
|           |            | 36      | 18        | 13.98   | 13.95   | 14.07   | 15.50   |
|           |            | 36      | 39        | 14.09   | 13.87   | 14.02   | 15.50   |
|           |            | 75      | 0         | 13.93   | 13.97   | 14.14   | 15.50   |
|           | 64QAM      | 1       | 0         | 13.95   | 13.90   | 14.03   | 15.50   |
|           |            | 1       | 38        | 14.02   | 14.14   | 14.05   | 15.50   |
|           |            | 1       | 74        | 14.07   | 13.88   | 13.93   | 15.50   |
|           |            | 36      | 0         | 14.08   | 13.85   | 14.10   | 15.50   |
|           |            | 36      | 18        | 14.05   | 13.95   | 13.91   | 15.50   |
|           |            | 36      | 39        | 13.96   | 13.83   | 14.11   | 15.50   |
|           |            | 75      | 0         | 13.99   | 14.07   | 14.00   | 15.50   |
|           | 256QAM     | 1       | 0         | 15.07   | 15.21   | 15.14   | 15.50   |
|           |            | 1       | 38        | 15.03   | 15.15   | 14.98   | 15.50   |
|           |            | 1       | 74        | 15.34   | 15.10   | 15.33   | 15.50   |
|           |            | 36      | 0         | 15.03   | 15.14   | 15.10   | 15.50   |
|           |            | 36      | 18        | 15.23   | 15.29   | 14.98   | 15.50   |
|           |            | 36      | 39        | 15.21   | 15.07   | 15.30   | 15.50   |
|           |            | 75      | 0         | 15.11   | 15.25   | 15.08   | 15.50   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 14.00   | 13.97   | 13.96   | 15.50   |
|           |            | 1       | 50        | 13.83   | 13.87   | 14.07   | 15.50   |
|           |            | 1       | 99        | 13.97   | 13.88   | 13.96   | 15.50   |
|           |            | 50      | 0         | 13.97   | 13.97   | 13.88   | 15.50   |
|           |            | 50      | 25        | 13.98   | 13.94   | 14.06   | 15.50   |
|           |            | 50      | 50        | 13.89   | 14.04   | 14.07   | 15.50   |



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

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

Report No.: SZCR240700286108

Page: 865 of 1531

|  |        |     |    |       |       |       |       |
|--|--------|-----|----|-------|-------|-------|-------|
|  |        | 100 | 0  | 14.10 | 14.07 | 14.05 | 15.50 |
|  | 16QAM  | 1   | 0  | 13.99 | 13.91 | 13.90 | 15.50 |
|  |        | 1   | 50 | 13.90 | 13.95 | 14.16 | 15.50 |
|  |        | 1   | 99 | 14.04 | 13.96 | 13.98 | 15.50 |
|  |        | 50  | 0  | 14.02 | 13.91 | 13.97 | 15.50 |
|  |        | 50  | 25 | 13.91 | 13.92 | 14.00 | 15.50 |
|  |        | 50  | 50 | 14.00 | 13.99 | 14.05 | 15.50 |
|  |        | 100 | 0  | 13.93 | 13.89 | 14.01 | 15.50 |
|  | 64QAM  | 1   | 0  | 13.95 | 13.76 | 14.02 | 15.50 |
|  |        | 1   | 50 | 14.00 | 13.86 | 13.88 | 15.50 |
|  |        | 1   | 99 | 13.95 | 14.01 | 13.98 | 15.50 |
|  |        | 50  | 0  | 14.03 | 13.84 | 13.96 | 15.50 |
|  |        | 50  | 25 | 14.03 | 14.10 | 13.91 | 15.50 |
|  |        | 50  | 50 | 13.96 | 13.97 | 14.12 | 15.50 |
|  |        | 100 | 0  | 13.86 | 14.04 | 13.95 | 15.50 |
|  | 256QAM | 1   | 0  | 15.03 | 15.12 | 15.10 | 15.50 |
|  |        | 1   | 50 | 15.01 | 15.09 | 14.97 | 15.50 |
|  |        | 1   | 99 | 15.22 | 15.08 | 15.16 | 15.50 |
|  |        | 50  | 0  | 15.09 | 15.19 | 15.21 | 15.50 |
|  |        | 50  | 25 | 15.22 | 15.17 | 15.17 | 15.50 |
|  |        | 50  | 50 | 15.24 | 15.11 | 15.26 | 15.50 |
|  |        | 100 | 0  | 15.16 | 15.06 | 14.99 | 15.50 |



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

Report No.: SZCR240700286108

Page: 866 of 1531

| LTE Band 4 DSI 2/3 |            |         |           | Conducted Power(dBm) |         |         |         |
|--------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                    |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz             | QPSK       | 1       | 0         | 22.54                | 22.73   | 22.69   | 24.00   |
|                    |            | 1       | 2         | 22.70                | 22.61   | 22.58   | 24.00   |
|                    |            | 1       | 5         | 22.61                | 22.61   | 22.60   | 24.00   |
|                    |            | 3       | 0         | 22.59                | 22.66   | 22.70   | 24.00   |
|                    |            | 3       | 2         | 22.67                | 22.64   | 22.55   | 24.00   |
|                    |            | 3       | 3         | 22.47                | 22.63   | 22.57   | 24.00   |
|                    |            | 6       | 0         | 21.58                | 21.50   | 21.62   | 23.00   |
|                    | 16QAM      | 1       | 0         | 21.67                | 21.74   | 21.66   | 23.00   |
|                    |            | 1       | 2         | 21.66                | 21.60   | 21.53   | 23.00   |
|                    |            | 1       | 5         | 21.86                | 21.75   | 21.70   | 23.00   |
|                    |            | 3       | 0         | 21.64                | 21.64   | 21.58   | 23.00   |
|                    |            | 3       | 2         | 21.64                | 21.66   | 21.70   | 23.00   |
|                    |            | 3       | 3         | 21.69                | 21.74   | 21.55   | 23.00   |
|                    |            | 6       | 0         | 20.82                | 20.74   | 20.87   | 22.00   |
|                    | 64QAM      | 1       | 0         | 20.45                | 20.67   | 20.60   | 22.00   |
|                    |            | 1       | 2         | 20.64                | 20.58   | 20.67   | 22.00   |
|                    |            | 1       | 5         | 20.53                | 20.47   | 20.50   | 22.00   |
|                    |            | 3       | 0         | 20.55                | 20.61   | 20.75   | 22.00   |
|                    |            | 3       | 2         | 20.56                | 20.67   | 20.58   | 22.00   |
|                    |            | 3       | 3         | 20.55                | 20.57   | 20.70   | 22.00   |
|                    |            | 6       | 0         | 19.76                | 19.71   | 19.94   | 21.00   |
|                    | 256QAM     | 1       | 0         | 18.26                | 18.34   | 18.28   | 19.00   |
|                    |            | 1       | 2         | 18.43                | 18.38   | 18.51   | 19.00   |
|                    |            | 1       | 5         | 18.11                | 18.32   | 18.31   | 19.00   |
|                    |            | 3       | 0         | 18.33                | 18.27   | 18.34   | 19.00   |
|                    |            | 3       | 2         | 18.27                | 18.23   | 18.19   | 19.00   |
|                    |            | 3       | 3         | 18.19                | 18.23   | 18.19   | 19.00   |
|                    |            | 6       | 0         | 18.21                | 18.30   | 18.15   | 19.00   |
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz               | QPSK       | 1       | 0         | 22.50                | 22.75   | 22.67   | 24.00   |
|                    |            | 1       | 7         | 22.62                | 22.81   | 22.49   | 24.00   |
|                    |            | 1       | 14        | 22.64                | 22.65   | 22.48   | 24.00   |
|                    |            | 8       | 0         | 21.58                | 21.64   | 21.54   | 23.00   |
|                    |            | 8       | 4         | 21.58                | 21.60   | 21.68   | 23.00   |
|                    |            | 8       | 7         | 21.54                | 21.47   | 21.57   | 23.00   |
|                    |            | 8       | 7         | 21.54                | 21.47   | 21.57   | 23.00   |



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

Report No.: SZCR240700286108

Page: 867 of 1531

|           |            | 15      | 0         | 21.59   | 21.55   | 21.46   | 23.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           | 16QAM      | 1       | 0         | 21.68   | 21.81   | 21.75   | 23.00   |
|           |            | 1       | 7         | 21.58   | 21.57   | 21.53   | 23.00   |
|           |            | 1       | 14        | 21.86   | 21.65   | 21.58   | 23.00   |
|           |            | 8       | 0         | 20.61   | 20.76   | 20.74   | 22.00   |
|           |            | 8       | 4         | 20.67   | 20.71   | 20.79   | 22.00   |
|           |            | 8       | 7         | 20.85   | 20.77   | 20.73   | 22.00   |
|           |            | 15      | 0         | 20.85   | 20.80   | 20.71   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.46   | 20.56   | 20.66   | 22.00   |
|           |            | 1       | 7         | 20.47   | 20.63   | 20.64   | 22.00   |
|           |            | 1       | 14        | 20.41   | 20.53   | 20.67   | 22.00   |
|           |            | 8       | 0         | 19.62   | 19.75   | 19.81   | 21.00   |
|           |            | 8       | 4         | 19.95   | 19.89   | 19.78   | 21.00   |
|           |            | 8       | 7         | 19.79   | 19.83   | 19.87   | 21.00   |
|           |            | 15      | 0         | 19.70   | 19.89   | 19.77   | 21.00   |
|           | 256QAM     | 1       | 0         | 18.15   | 18.34   | 18.28   | 19.00   |
|           |            | 1       | 7         | 18.46   | 18.31   | 18.44   | 19.00   |
|           |            | 1       | 14        | 18.10   | 18.32   | 18.21   | 19.00   |
|           |            | 8       | 0         | 18.29   | 18.29   | 18.25   | 19.00   |
|           |            | 8       | 4         | 18.31   | 18.21   | 18.24   | 19.00   |
|           |            | 8       | 7         | 18.19   | 18.27   | 18.30   | 19.00   |
|           |            | 15      | 0         | 18.22   | 18.13   | 18.23   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 22.56   | 22.66   | 22.54   | 24.00   |
|           |            | 1       | 13        | 22.69   | 22.80   | 22.57   | 24.00   |
|           |            | 1       | 24        | 22.51   | 22.65   | 22.60   | 24.00   |
|           |            | 12      | 0         | 21.41   | 21.54   | 21.61   | 23.00   |
|           |            | 12      | 6         | 21.52   | 21.68   | 21.66   | 23.00   |
|           |            | 12      | 13        | 21.57   | 21.57   | 21.62   | 23.00   |
|           |            | 25      | 0         | 21.62   | 21.50   | 21.51   | 23.00   |
|           | 16QAM      | 1       | 0         | 21.70   | 21.73   | 21.66   | 23.00   |
|           |            | 1       | 13        | 21.64   | 21.73   | 21.67   | 23.00   |
|           |            | 1       | 24        | 21.86   | 21.65   | 21.61   | 23.00   |
|           |            | 12      | 0         | 20.65   | 20.82   | 20.79   | 22.00   |
|           |            | 12      | 6         | 20.69   | 20.75   | 20.77   | 22.00   |
|           |            | 12      | 13        | 20.69   | 20.81   | 20.88   | 22.00   |
|           |            | 25      | 0         | 20.82   | 20.70   | 20.78   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.64   | 20.66   | 20.57   | 22.00   |
|           |            | 1       | 13        | 20.44   | 20.62   | 20.71   | 22.00   |



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

Report No.: SZCR240700286108

Page: 868 of 1531

|           |            | 1       | 24        | 20.55   | 20.58   | 20.63   | 22.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 0         | 19.75   | 19.80   | 19.72   | 21.00   |
|           |            | 12      | 6         | 19.83   | 19.88   | 19.90   | 21.00   |
|           |            | 12      | 13        | 19.66   | 19.78   | 19.95   | 21.00   |
|           |            | 25      | 0         | 19.70   | 19.77   | 19.89   | 21.00   |
|           | 256QAM     | 1       | 0         | 18.21   | 18.15   | 18.25   | 19.00   |
|           |            | 1       | 13        | 18.46   | 18.45   | 18.57   | 19.00   |
|           |            | 1       | 24        | 18.24   | 18.28   | 18.21   | 19.00   |
|           |            | 12      | 0         | 18.23   | 18.35   | 18.29   | 19.00   |
|           |            | 12      | 6         | 18.38   | 18.21   | 18.07   | 19.00   |
|           |            | 12      | 13        | 18.23   | 18.35   | 18.25   | 19.00   |
|           |            | 25      | 0         | 18.17   | 18.14   | 18.22   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 22.64   | 22.74   | 22.70   | 24.00   |
|           |            | 1       | 25        | 22.59   | 22.64   | 22.59   | 24.00   |
|           |            | 1       | 49        | 22.53   | 22.56   | 22.46   | 24.00   |
|           |            | 25      | 0         | 21.51   | 21.64   | 21.68   | 23.00   |
|           |            | 25      | 13        | 21.44   | 21.52   | 21.77   | 23.00   |
|           |            | 25      | 25        | 21.65   | 21.63   | 21.71   | 23.00   |
|           |            | 50      | 0         | 21.55   | 21.60   | 21.57   | 23.00   |
|           | 16QAM      | 1       | 0         | 21.74   | 21.70   | 21.81   | 23.00   |
|           |            | 1       | 25        | 21.66   | 21.61   | 21.66   | 23.00   |
|           |            | 1       | 49        | 21.81   | 21.61   | 21.54   | 23.00   |
|           |            | 25      | 0         | 20.78   | 20.86   | 20.63   | 22.00   |
|           |            | 25      | 13        | 20.84   | 20.80   | 20.92   | 22.00   |
|           |            | 25      | 25        | 20.81   | 20.91   | 20.77   | 22.00   |
|           |            | 50      | 0         | 20.78   | 20.83   | 20.86   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.60   | 20.52   | 20.61   | 22.00   |
|           |            | 1       | 25        | 20.60   | 20.61   | 20.57   | 22.00   |
|           |            | 1       | 49        | 20.41   | 20.57   | 20.64   | 22.00   |
|           |            | 25      | 0         | 19.62   | 19.69   | 19.83   | 21.00   |
|           |            | 25      | 13        | 19.93   | 19.83   | 19.92   | 21.00   |
|           |            | 25      | 25        | 19.84   | 19.72   | 19.81   | 21.00   |
|           |            | 50      | 0         | 19.68   | 19.71   | 19.80   | 21.00   |
|           | 256QAM     | 1       | 0         | 18.24   | 18.21   | 18.31   | 19.00   |
|           |            | 1       | 25        | 18.34   | 18.43   | 18.37   | 19.00   |
|           |            | 1       | 49        | 18.13   | 18.17   | 18.25   | 19.00   |
|           |            | 25      | 0         | 18.36   | 18.20   | 18.33   | 19.00   |
|           |            | 25      | 13        | 18.26   | 18.31   | 18.20   | 19.00   |



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

Report No.: SZCR240700286108

Page: 869 of 1531

|           |            | 25      | 25        | 18.27   | 18.35   | 18.18   | 19.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 50      | 0         | 18.21   | 18.28   | 18.26   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 22.46   | 22.72   | 22.55   | 24.00   |
|           |            | 1       | 38        | 22.69   | 22.79   | 22.48   | 24.00   |
|           |            | 1       | 74        | 22.61   | 22.61   | 22.64   | 24.00   |
|           |            | 36      | 0         | 21.57   | 21.53   | 21.62   | 23.00   |
|           |            | 36      | 18        | 21.52   | 21.58   | 21.68   | 23.00   |
|           |            | 36      | 39        | 21.67   | 21.60   | 21.69   | 23.00   |
|           |            | 75      | 0         | 21.63   | 21.62   | 21.47   | 23.00   |
|           | 16QAM      | 1       | 0         | 21.56   | 21.69   | 21.71   | 23.00   |
|           |            | 1       | 38        | 21.56   | 21.65   | 21.60   | 23.00   |
|           |            | 1       | 74        | 21.78   | 21.67   | 21.55   | 23.00   |
|           |            | 36      | 0         | 20.71   | 20.71   | 20.69   | 22.00   |
|           |            | 36      | 18        | 20.68   | 20.90   | 20.86   | 22.00   |
|           |            | 36      | 39        | 20.70   | 20.86   | 20.77   | 22.00   |
|           |            | 75      | 0         | 20.76   | 20.73   | 20.74   | 22.00   |
|           | 64QAM      | 1       | 0         | 20.57   | 20.51   | 20.58   | 22.00   |
|           |            | 1       | 38        | 20.45   | 20.67   | 20.55   | 22.00   |
|           |            | 1       | 74        | 20.47   | 20.51   | 20.60   | 22.00   |
|           |            | 36      | 0         | 19.78   | 19.75   | 19.77   | 21.00   |
|           |            | 36      | 18        | 19.82   | 19.79   | 19.78   | 21.00   |
|           |            | 36      | 39        | 19.73   | 19.90   | 19.91   | 21.00   |
|           |            | 75      | 0         | 19.68   | 19.88   | 19.80   | 21.00   |
|           | 256QAM     | 1       | 0         | 18.25   | 18.16   | 18.39   | 19.00   |
|           |            | 1       | 38        | 18.45   | 18.44   | 18.46   | 19.00   |
|           |            | 1       | 74        | 18.26   | 18.22   | 18.18   | 19.00   |
|           |            | 36      | 0         | 18.26   | 18.33   | 18.36   | 19.00   |
|           |            | 36      | 18        | 18.25   | 18.27   | 18.19   | 19.00   |
|           |            | 36      | 39        | 18.14   | 18.17   | 18.23   | 19.00   |
|           |            | 75      | 0         | 18.14   | 18.28   | 18.33   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 22.56   | 22.66   | 22.63   | 24.00   |
|           |            | 1       | 50        | 22.62   | 22.71   | 22.57   | 24.00   |
|           |            | 1       | 99        | 22.55   | 22.63   | 22.54   | 24.00   |
|           |            | 50      | 0         | 21.51   | 21.60   | 21.61   | 23.00   |
|           |            | 50      | 25        | 21.53   | 21.59   | 21.68   | 23.00   |
|           |            | 50      | 50        | 21.58   | 21.57   | 21.65   | 23.00   |



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

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

Report No.: SZCR240700286108

Page: 870 of 1531

|  |        |     |    |       |       |       |       |
|--|--------|-----|----|-------|-------|-------|-------|
|  |        | 100 | 0  | 21.61 | 21.59 | 21.54 | 23.00 |
|  | 16QAM  | 1   | 0  | 21.64 | 21.73 | 21.75 | 23.00 |
|  |        | 1   | 50 | 21.64 | 21.66 | 21.58 | 23.00 |
|  |        | 1   | 99 | 21.77 | 21.70 | 21.64 | 23.00 |
|  |        | 50  | 0  | 20.71 | 20.76 | 20.69 | 22.00 |
|  |        | 50  | 25 | 20.74 | 20.81 | 20.85 | 22.00 |
|  |        | 50  | 50 | 20.75 | 20.84 | 20.82 | 22.00 |
|  |        | 100 | 0  | 20.80 | 20.77 | 20.81 | 22.00 |
|  | 64QAM  | 1   | 0  | 20.55 | 20.58 | 20.66 | 22.00 |
|  |        | 1   | 50 | 20.54 | 20.63 | 20.63 | 22.00 |
|  |        | 1   | 99 | 20.49 | 20.57 | 20.60 | 22.00 |
|  |        | 50  | 0  | 19.71 | 19.79 | 19.77 | 21.00 |
|  |        | 50  | 25 | 19.87 | 19.82 | 19.84 | 21.00 |
|  |        | 50  | 50 | 19.76 | 19.80 | 19.88 | 21.00 |
|  |        | 100 | 0  | 19.75 | 19.81 | 19.85 | 21.00 |
|  | 256QAM | 1   | 0  | 18.24 | 18.24 | 18.32 | 19.00 |
|  |        | 1   | 50 | 18.42 | 18.40 | 18.47 | 19.00 |
|  |        | 1   | 99 | 18.18 | 18.26 | 18.23 | 19.00 |
|  |        | 50  | 0  | 18.29 | 18.29 | 18.29 | 19.00 |
|  |        | 50  | 25 | 18.29 | 18.23 | 18.17 | 19.00 |
|  |        | 50  | 50 | 18.20 | 18.27 | 18.24 | 19.00 |
|  |        | 100 | 0  | 18.20 | 18.20 | 18.25 | 19.00 |



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

Report No.: SZCR240700286108

Page: 871 of 1531

| LTE Band 4 DSI 4/5 |            |         |           | Conducted Power(dBm) |         |         |         |
|--------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                    |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz             | QPSK       | 1       | 0         | 19.71                | 19.68   | 19.78   | 21.00   |
|                    |            | 1       | 2         | 19.62                | 19.78   | 19.72   | 21.00   |
|                    |            | 1       | 5         | 19.70                | 19.63   | 19.70   | 21.00   |
|                    |            | 3       | 0         | 19.65                | 19.70   | 19.71   | 21.00   |
|                    |            | 3       | 2         | 19.70                | 19.72   | 19.58   | 21.00   |
|                    |            | 3       | 3         | 19.85                | 19.77   | 19.63   | 21.00   |
|                    |            | 6       | 0         | 19.61                | 19.73   | 19.61   | 21.00   |
|                    | 16QAM      | 1       | 0         | 19.73                | 19.67   | 19.62   | 21.00   |
|                    |            | 1       | 2         | 19.78                | 19.66   | 19.80   | 21.00   |
|                    |            | 1       | 5         | 19.66                | 19.78   | 19.76   | 21.00   |
|                    |            | 3       | 0         | 19.79                | 19.60   | 19.63   | 21.00   |
|                    |            | 3       | 2         | 19.53                | 19.62   | 19.53   | 21.00   |
|                    |            | 3       | 3         | 19.77                | 19.82   | 19.65   | 21.00   |
|                    |            | 6       | 0         | 19.73                | 19.72   | 19.75   | 21.00   |
|                    | 64QAM      | 1       | 0         | 19.42                | 19.49   | 19.59   | 21.00   |
|                    |            | 1       | 2         | 19.40                | 19.51   | 19.54   | 21.00   |
|                    |            | 1       | 5         | 19.46                | 19.47   | 19.49   | 21.00   |
|                    |            | 3       | 0         | 19.62                | 19.71   | 19.72   | 21.00   |
|                    |            | 3       | 2         | 19.82                | 19.66   | 19.80   | 21.00   |
|                    |            | 3       | 3         | 19.69                | 19.70   | 19.60   | 21.00   |
|                    |            | 6       | 0         | 19.59                | 19.57   | 19.64   | 21.00   |
|                    | 256QAM     | 1       | 0         | 18.20                | 18.27   | 18.45   | 19.00   |
|                    |            | 1       | 2         | 18.19                | 18.26   | 18.44   | 19.00   |
|                    |            | 1       | 5         | 18.29                | 18.35   | 18.23   | 19.00   |
|                    |            | 3       | 0         | 18.04                | 18.17   | 18.36   | 19.00   |
|                    |            | 3       | 2         | 18.18                | 18.37   | 18.32   | 19.00   |
|                    |            | 3       | 3         | 18.27                | 18.26   | 18.31   | 19.00   |
|                    |            | 6       | 0         | 18.14                | 18.18   | 18.12   | 19.00   |
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                    |            |         |           | 19965                | 20175   | 20385   |         |
| 3MHz               | QPSK       | 1       | 0         | 19.63                | 19.80   | 19.77   | 21.00   |
|                    |            | 1       | 7         | 19.79                | 19.83   | 19.61   | 21.00   |
|                    |            | 1       | 14        | 19.63                | 19.68   | 19.76   | 21.00   |
|                    |            | 8       | 0         | 19.69                | 19.70   | 19.81   | 21.00   |
|                    |            | 8       | 4         | 19.74                | 19.73   | 19.63   | 21.00   |
|                    |            | 8       | 7         | 19.86                | 19.65   | 19.78   | 21.00   |



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

Report No.: SZCR240700286108

Page: 872 of 1531

|           |            | 15      | 0         | 19.71   | 19.66   | 19.63   | 21.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           | 16QAM      | 1       | 0         | 19.63   | 19.72   | 19.67   | 21.00   |
|           |            | 1       | 7         | 19.75   | 19.83   | 19.71   | 21.00   |
|           |            | 1       | 14        | 19.67   | 19.83   | 19.94   | 21.00   |
|           |            | 8       | 0         | 19.80   | 19.76   | 19.53   | 21.00   |
|           |            | 8       | 4         | 19.68   | 19.65   | 19.61   | 21.00   |
|           |            | 8       | 7         | 19.65   | 19.67   | 19.69   | 21.00   |
|           |            | 15      | 0         | 19.75   | 19.61   | 19.59   | 21.00   |
|           | 64QAM      | 1       | 0         | 19.56   | 19.40   | 19.52   | 21.00   |
|           |            | 1       | 7         | 19.43   | 19.46   | 19.54   | 21.00   |
|           |            | 1       | 14        | 19.45   | 19.41   | 19.53   | 21.00   |
|           |            | 8       | 0         | 19.55   | 19.71   | 19.82   | 21.00   |
|           |            | 8       | 4         | 19.67   | 19.72   | 19.81   | 21.00   |
|           |            | 8       | 7         | 19.58   | 19.62   | 19.50   | 21.00   |
|           |            | 15      | 0         | 19.69   | 19.72   | 19.63   | 21.00   |
|           | 256QAM     | 1       | 0         | 18.24   | 18.39   | 18.33   | 19.00   |
|           |            | 1       | 7         | 18.29   | 18.33   | 18.51   | 19.00   |
|           |            | 1       | 14        | 18.24   | 18.35   | 18.27   | 19.00   |
|           |            | 8       | 0         | 18.09   | 18.31   | 18.44   | 19.00   |
|           |            | 8       | 4         | 18.29   | 18.25   | 18.39   | 19.00   |
|           |            | 8       | 7         | 18.40   | 18.22   | 18.38   | 19.00   |
|           |            | 15      | 0         | 18.16   | 18.17   | 18.29   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 19.69   | 19.78   | 19.74   | 21.00   |
|           |            | 1       | 13        | 19.62   | 19.87   | 19.72   | 21.00   |
|           |            | 1       | 24        | 19.53   | 19.64   | 19.82   | 21.00   |
|           |            | 12      | 0         | 19.63   | 19.62   | 19.88   | 21.00   |
|           |            | 12      | 6         | 19.61   | 19.76   | 19.57   | 21.00   |
|           |            | 12      | 13        | 19.78   | 19.80   | 19.63   | 21.00   |
|           |            | 25      | 0         | 19.66   | 19.76   | 19.66   | 21.00   |
|           | 16QAM      | 1       | 0         | 19.76   | 19.69   | 19.71   | 21.00   |
|           |            | 1       | 13        | 19.76   | 19.79   | 19.84   | 21.00   |
|           |            | 1       | 24        | 19.69   | 19.86   | 19.81   | 21.00   |
|           |            | 12      | 0         | 19.67   | 19.71   | 19.49   | 21.00   |
|           |            | 12      | 6         | 19.69   | 19.67   | 19.57   | 21.00   |
|           |            | 12      | 13        | 19.70   | 19.79   | 19.57   | 21.00   |
|           |            | 25      | 0         | 19.59   | 19.68   | 19.61   | 21.00   |
|           | 64QAM      | 1       | 0         | 19.42   | 19.46   | 19.48   | 21.00   |
|           |            | 1       | 13        | 19.41   | 19.49   | 19.55   | 21.00   |



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

Report No.: SZCR240700286108

Page: 873 of 1531

|           |            | 1       | 24        | 19.41   | 19.43   | 19.49   | 21.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 0         | 19.54   | 19.63   | 19.68   | 21.00   |
|           |            | 12      | 6         | 19.71   | 19.78   | 19.75   | 21.00   |
|           |            | 12      | 13        | 19.59   | 19.70   | 19.67   | 21.00   |
|           |            | 25      | 0         | 19.75   | 19.71   | 19.67   | 21.00   |
|           | 256QAM     | 1       | 0         | 18.28   | 18.30   | 18.47   | 19.00   |
|           |            | 1       | 13        | 18.19   | 18.44   | 18.50   | 19.00   |
|           |            | 1       | 24        | 18.25   | 18.41   | 18.21   | 19.00   |
|           |            | 12      | 0         | 18.04   | 18.32   | 18.29   | 19.00   |
|           |            | 12      | 6         | 18.16   | 18.19   | 18.28   | 19.00   |
|           |            | 12      | 13        | 18.30   | 18.16   | 18.32   | 19.00   |
|           |            | 25      | 0         | 18.21   | 18.26   | 18.19   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 19.58   | 19.80   | 19.71   | 21.00   |
|           |            | 1       | 25        | 19.68   | 19.82   | 19.79   | 21.00   |
|           |            | 1       | 49        | 19.68   | 19.70   | 19.83   | 21.00   |
|           |            | 25      | 0         | 19.67   | 19.64   | 19.82   | 21.00   |
|           |            | 25      | 13        | 19.70   | 19.77   | 19.57   | 21.00   |
|           |            | 25      | 25        | 19.79   | 19.67   | 19.61   | 21.00   |
|           |            | 50      | 0         | 19.68   | 19.70   | 19.68   | 21.00   |
|           | 16QAM      | 1       | 0         | 19.62   | 19.75   | 19.66   | 21.00   |
|           |            | 1       | 25        | 19.87   | 19.71   | 19.67   | 21.00   |
|           |            | 1       | 49        | 19.79   | 19.84   | 19.82   | 21.00   |
|           |            | 25      | 0         | 19.84   | 19.70   | 19.60   | 21.00   |
|           |            | 25      | 13        | 19.67   | 19.70   | 19.57   | 21.00   |
|           |            | 25      | 25        | 19.64   | 19.73   | 19.62   | 21.00   |
|           |            | 50      | 0         | 19.70   | 19.60   | 19.79   | 21.00   |
|           | 64QAM      | 1       | 0         | 19.58   | 19.57   | 19.57   | 21.00   |
|           |            | 1       | 25        | 19.51   | 19.39   | 19.44   | 21.00   |
|           |            | 1       | 49        | 19.51   | 19.41   | 19.45   | 21.00   |
|           |            | 25      | 0         | 19.48   | 19.56   | 19.72   | 21.00   |
|           |            | 25      | 13        | 19.76   | 19.62   | 19.80   | 21.00   |
|           |            | 25      | 25        | 19.55   | 19.72   | 19.66   | 21.00   |
|           |            | 50      | 0         | 19.70   | 19.68   | 19.73   | 21.00   |
|           | 256QAM     | 1       | 0         | 18.31   | 18.35   | 18.31   | 19.00   |
|           |            | 1       | 25        | 18.27   | 18.45   | 18.43   | 19.00   |
|           |            | 1       | 49        | 18.33   | 18.34   | 18.26   | 19.00   |
|           |            | 25      | 0         | 18.15   | 18.17   | 18.31   | 19.00   |
|           |            | 25      | 13        | 18.24   | 18.20   | 18.21   | 19.00   |



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

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

Report No.: SZCR240700286108

Page: 874 of 1531

|           |            | 25      | 25        | 18.46   | 18.18   | 18.30   | 19.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 50      | 0         | 18.33   | 18.19   | 18.28   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 19.59   | 19.70   | 19.61   | 21.00   |
|           |            | 1       | 38        | 19.76   | 19.77   | 19.69   | 21.00   |
|           |            | 1       | 74        | 19.55   | 19.76   | 19.82   | 21.00   |
|           |            | 36      | 0         | 19.69   | 19.70   | 19.82   | 21.00   |
|           |            | 36      | 18        | 19.59   | 19.61   | 19.67   | 21.00   |
|           |            | 36      | 39        | 19.79   | 19.78   | 19.73   | 21.00   |
|           |            | 75      | 0         | 19.63   | 19.74   | 19.74   | 21.00   |
|           | 16QAM      | 1       | 0         | 19.76   | 19.76   | 19.73   | 21.00   |
|           |            | 1       | 38        | 19.84   | 19.75   | 19.86   | 21.00   |
|           |            | 1       | 74        | 19.82   | 19.73   | 19.94   | 21.00   |
|           |            | 36      | 0         | 19.75   | 19.62   | 19.67   | 21.00   |
|           |            | 36      | 18        | 19.63   | 19.66   | 19.52   | 21.00   |
|           |            | 36      | 39        | 19.68   | 19.78   | 19.72   | 21.00   |
|           |            | 75      | 0         | 19.59   | 19.60   | 19.77   | 21.00   |
|           | 64QAM      | 1       | 0         | 19.54   | 19.50   | 19.42   | 21.00   |
|           |            | 1       | 38        | 19.52   | 19.44   | 19.56   | 21.00   |
|           |            | 1       | 74        | 19.54   | 19.52   | 19.35   | 21.00   |
|           |            | 36      | 0         | 19.66   | 19.67   | 19.78   | 21.00   |
|           |            | 36      | 18        | 19.82   | 19.62   | 19.85   | 21.00   |
|           |            | 36      | 39        | 19.63   | 19.65   | 19.61   | 21.00   |
|           |            | 75      | 0         | 19.74   | 19.62   | 19.73   | 21.00   |
|           | 256QAM     | 1       | 0         | 18.15   | 18.32   | 18.41   | 19.00   |
|           |            | 1       | 38        | 18.21   | 18.42   | 18.42   | 19.00   |
|           |            | 1       | 74        | 18.35   | 18.26   | 18.21   | 19.00   |
|           |            | 36      | 0         | 18.06   | 18.25   | 18.26   | 19.00   |
|           |            | 36      | 18        | 18.21   | 18.36   | 18.28   | 19.00   |
|           |            | 36      | 39        | 18.32   | 18.28   | 18.27   | 19.00   |
|           |            | 75      | 0         | 18.27   | 18.34   | 18.14   | 19.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 19.68   | 19.76   | 19.70   | 21.00   |
|           |            | 1       | 50        | 19.69   | 19.78   | 19.70   | 21.00   |
|           |            | 1       | 99        | 19.63   | 19.73   | 19.76   | 21.00   |
|           |            | 50      | 0         | 19.64   | 19.72   | 19.80   | 21.00   |
|           |            | 50      | 25        | 19.67   | 19.68   | 19.62   | 21.00   |
|           |            | 50      | 50        | 19.81   | 19.74   | 19.69   | 21.00   |



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

Report No.: SZCR240700286108

Page: 875 of 1531

|  |        |     |    |       |       |       |       |
|--|--------|-----|----|-------|-------|-------|-------|
|  |        | 100 | 0  | 19.65 | 19.68 | 19.71 | 21.00 |
|  | 16QAM  | 1   | 0  | 19.67 | 19.77 | 19.68 | 21.00 |
|  |        | 1   | 50 | 19.83 | 19.75 | 19.76 | 21.00 |
|  |        | 1   | 99 | 19.74 | 19.79 | 19.85 | 21.00 |
|  |        | 50  | 0  | 19.74 | 19.68 | 19.59 | 21.00 |
|  |        | 50  | 25 | 19.59 | 19.65 | 19.56 | 21.00 |
|  |        | 50  | 50 | 19.68 | 19.72 | 19.63 | 21.00 |
|  |        | 100 | 0  | 19.69 | 19.67 | 19.69 | 21.00 |
|  | 64QAM  | 1   | 0  | 19.51 | 19.50 | 19.52 | 21.00 |
|  |        | 1   | 50 | 19.46 | 19.47 | 19.51 | 21.00 |
|  |        | 1   | 99 | 19.44 | 19.51 | 19.45 | 21.00 |
|  |        | 50  | 0  | 19.58 | 19.65 | 19.74 | 21.00 |
|  |        | 50  | 25 | 19.73 | 19.69 | 19.79 | 21.00 |
|  |        | 50  | 50 | 19.59 | 19.66 | 19.60 | 21.00 |
|  |        | 100 | 0  | 19.66 | 19.65 | 19.72 | 21.00 |
|  | 256QAM | 1   | 0  | 18.23 | 18.33 | 18.38 | 19.00 |
|  |        | 1   | 50 | 18.29 | 18.36 | 18.44 | 19.00 |
|  |        | 1   | 99 | 18.34 | 18.34 | 18.28 | 19.00 |
|  |        | 50  | 0  | 18.14 | 18.24 | 18.34 | 19.00 |
|  |        | 50  | 25 | 18.24 | 18.28 | 18.29 | 19.00 |
|  |        | 50  | 50 | 18.36 | 18.26 | 18.29 | 19.00 |
|  |        | 100 | 0  | 18.23 | 18.25 | 18.21 | 19.00 |



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

Report No.: SZCR240700286108

Page: 876 of 1531

| LTE Band 4 DSI 8/9/10 |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |            |         |           | 19957                | 20175   | 20393   |         |
| 1.4MHz                | QPSK       | 1       | 0         | 16.76                | 16.84   | 16.70   | 18.00   |
|                       |            | 1       | 2         | 16.61                | 16.77   | 16.72   | 18.00   |
|                       |            | 1       | 5         | 16.71                | 16.76   | 16.66   | 18.00   |
|                       |            | 3       | 0         | 16.73                | 16.89   | 16.79   | 18.00   |
|                       |            | 3       | 2         | 16.70                | 16.78   | 16.83   | 18.00   |
|                       |            | 3       | 3         | 16.59                | 16.67   | 16.62   | 18.00   |
|                       |            | 6       | 0         | 16.74                | 16.71   | 16.73   | 18.00   |
|                       | 16QAM      | 1       | 0         | 16.60                | 16.82   | 16.72   | 18.00   |
|                       |            | 1       | 2         | 16.73                | 16.67   | 16.79   | 18.00   |
|                       |            | 1       | 5         | 16.74                | 16.74   | 16.65   | 18.00   |
|                       |            | 3       | 0         | 16.71                | 16.81   | 16.76   | 18.00   |
|                       |            | 3       | 2         | 16.69                | 16.85   | 16.79   | 18.00   |
|                       |            | 3       | 3         | 16.62                | 16.77   | 16.69   | 18.00   |
|                       |            | 6       | 0         | 16.81                | 16.71   | 16.72   | 18.00   |
|                       | 64QAM      | 1       | 0         | 16.63                | 16.70   | 16.82   | 18.00   |
|                       |            | 1       | 2         | 16.64                | 16.69   | 16.81   | 18.00   |
|                       |            | 1       | 5         | 16.65                | 16.68   | 16.71   | 18.00   |
|                       |            | 3       | 0         | 16.49                | 16.80   | 16.82   | 18.00   |
|                       |            | 3       | 2         | 16.66                | 16.82   | 16.82   | 18.00   |
|                       |            | 3       | 3         | 16.70                | 16.82   | 16.64   | 18.00   |
|                       |            | 6       | 0         | 16.68                | 16.86   | 16.82   | 18.00   |
|                       | 256QAM     | 1       | 0         | 16.64                | 16.68   | 16.63   | 18.00   |
|                       |            | 1       | 2         | 16.70                | 16.69   | 16.70   | 18.00   |
|                       |            | 1       | 5         | 16.62                | 16.66   | 16.80   | 18.00   |
|                       |            | 3       | 0         | 16.67                | 16.70   | 16.71   | 18.00   |
|                       |            | 3       | 2         | 16.71                | 16.85   | 16.75   | 18.00   |
|                       |            | 3       | 3         | 16.58                | 16.78   | 16.74   | 18.00   |
|                       |            | 6       | 0         | 16.73                | 16.78   | 16.82   | 18.00   |
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz                  | QPSK       | 1       | 0         | 16.67                | 16.80   | 16.67   | 18.00   |
|                       |            | 1       | 7         | 16.80                | 16.86   | 16.71   | 18.00   |
|                       |            | 1       | 14        | 16.78                | 16.71   | 16.81   | 18.00   |
|                       |            | 8       | 0         | 16.77                | 16.79   | 16.79   | 18.00   |
|                       |            | 8       | 4         | 16.72                | 16.85   | 16.77   | 18.00   |
|                       |            | 8       | 7         | 16.68                | 16.78   | 16.79   | 18.00   |
|                       |            | 8       | 7         | 16.68                | 16.78   | 16.79   | 18.00   |



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

Report No.: SZCR240700286108

Page: 877 of 1531

|           |            | 15      | 0         | 16.83   | 16.69   | 16.61   | 18.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           | 16QAM      | 1       | 0         | 16.59   | 16.80   | 16.64   | 18.00   |
|           |            | 1       | 7         | 16.74   | 16.66   | 16.82   | 18.00   |
|           |            | 1       | 14        | 16.63   | 16.79   | 16.73   | 18.00   |
|           |            | 8       | 0         | 16.74   | 16.78   | 16.80   | 18.00   |
|           |            | 8       | 4         | 16.54   | 16.68   | 16.67   | 18.00   |
|           |            | 8       | 7         | 16.70   | 16.69   | 16.78   | 18.00   |
|           |            | 15      | 0         | 16.67   | 16.76   | 16.76   | 18.00   |
|           | 64QAM      | 1       | 0         | 16.67   | 16.77   | 16.78   | 18.00   |
|           |            | 1       | 7         | 16.65   | 16.71   | 16.84   | 18.00   |
|           |            | 1       | 14        | 16.74   | 16.80   | 16.81   | 18.00   |
|           |            | 8       | 0         | 16.52   | 16.76   | 16.83   | 18.00   |
|           |            | 8       | 4         | 16.66   | 16.88   | 16.67   | 18.00   |
|           |            | 8       | 7         | 16.75   | 16.69   | 16.73   | 18.00   |
|           |            | 15      | 0         | 16.58   | 16.87   | 16.70   | 18.00   |
|           | 256QAM     | 1       | 0         | 16.61   | 16.68   | 16.70   | 18.00   |
|           |            | 1       | 7         | 16.71   | 16.82   | 16.65   | 18.00   |
|           |            | 1       | 14        | 16.73   | 16.77   | 16.76   | 18.00   |
|           |            | 8       | 0         | 16.71   | 16.72   | 16.65   | 18.00   |
|           |            | 8       | 4         | 16.62   | 16.86   | 16.78   | 18.00   |
|           |            | 8       | 7         | 16.54   | 16.65   | 16.70   | 18.00   |
|           |            | 15      | 0         | 16.58   | 16.76   | 16.73   | 18.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 19975   | 20175   | 20375   |         |
| 5MHz      | QPSK       | 1       | 0         | 16.75   | 16.71   | 16.85   | 18.00   |
|           |            | 1       | 13        | 16.77   | 16.74   | 16.82   | 18.00   |
|           |            | 1       | 24        | 16.71   | 16.74   | 16.68   | 18.00   |
|           |            | 12      | 0         | 16.66   | 16.71   | 16.70   | 18.00   |
|           |            | 12      | 6         | 16.73   | 16.85   | 16.64   | 18.00   |
|           |            | 12      | 13        | 16.61   | 16.81   | 16.69   | 18.00   |
|           |            | 25      | 0         | 16.75   | 16.73   | 16.77   | 18.00   |
|           | 16QAM      | 1       | 0         | 16.57   | 16.78   | 16.77   | 18.00   |
|           |            | 1       | 13        | 16.73   | 16.64   | 16.83   | 18.00   |
|           |            | 1       | 24        | 16.60   | 16.76   | 16.69   | 18.00   |
|           |            | 12      | 0         | 16.71   | 16.65   | 16.64   | 18.00   |
|           |            | 12      | 6         | 16.56   | 16.70   | 16.70   | 18.00   |
|           |            | 12      | 13        | 16.67   | 16.75   | 16.80   | 18.00   |
|           |            | 25      | 0         | 16.84   | 16.88   | 16.73   | 18.00   |
|           | 64QAM      | 1       | 0         | 16.54   | 16.67   | 16.69   | 18.00   |
|           |            | 1       | 13        | 16.59   | 16.75   | 16.78   | 18.00   |



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

Report No.: SZCR240700286108

Page: 878 of 1531

|           |            | 1       | 24        | 16.69   | 16.86   | 16.69   | 18.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 0         | 16.67   | 16.68   | 16.71   | 18.00   |
|           |            | 12      | 6         | 16.64   | 16.77   | 16.83   | 18.00   |
|           |            | 12      | 13        | 16.73   | 16.74   | 16.78   | 18.00   |
|           |            | 25      | 0         | 16.75   | 16.68   | 16.68   | 18.00   |
|           | 256QAM     | 1       | 0         | 16.63   | 16.65   | 16.72   | 18.00   |
|           |            | 1       | 13        | 16.83   | 16.68   | 16.68   | 18.00   |
|           |            | 1       | 24        | 16.59   | 16.64   | 16.74   | 18.00   |
|           |            | 12      | 0         | 16.60   | 16.72   | 16.79   | 18.00   |
|           |            | 12      | 6         | 16.67   | 16.82   | 16.72   | 18.00   |
|           |            | 12      | 13        | 16.66   | 16.80   | 16.83   | 18.00   |
|           |            | 25      | 0         | 16.68   | 16.85   | 16.69   | 18.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20000   | 20175   | 20350   |         |
| 10MHz     | QPSK       | 1       | 0         | 16.63   | 16.86   | 16.65   | 18.00   |
|           |            | 1       | 25        | 16.62   | 16.78   | 16.65   | 18.00   |
|           |            | 1       | 49        | 16.72   | 16.76   | 16.81   | 18.00   |
|           |            | 25      | 0         | 16.78   | 16.84   | 16.81   | 18.00   |
|           |            | 25      | 13        | 16.73   | 16.85   | 16.66   | 18.00   |
|           |            | 25      | 25        | 16.59   | 16.70   | 16.72   | 18.00   |
|           |            | 50      | 0         | 16.69   | 16.67   | 16.75   | 18.00   |
|           | 16QAM      | 1       | 0         | 16.67   | 16.79   | 16.71   | 18.00   |
|           |            | 1       | 25        | 16.65   | 16.65   | 16.80   | 18.00   |
|           |            | 1       | 49        | 16.61   | 16.79   | 16.77   | 18.00   |
|           |            | 25      | 0         | 16.68   | 16.79   | 16.80   | 18.00   |
|           |            | 25      | 13        | 16.71   | 16.85   | 16.80   | 18.00   |
|           |            | 25      | 25        | 16.68   | 16.78   | 16.66   | 18.00   |
|           |            | 50      | 0         | 16.71   | 16.84   | 16.76   | 18.00   |
|           | 64QAM      | 1       | 0         | 16.71   | 16.74   | 16.81   | 18.00   |
|           |            | 1       | 25        | 16.72   | 16.72   | 16.83   | 18.00   |
|           |            | 1       | 49        | 16.70   | 16.76   | 16.68   | 18.00   |
|           |            | 25      | 0         | 16.68   | 16.80   | 16.68   | 18.00   |
|           |            | 25      | 13        | 16.60   | 16.79   | 16.82   | 18.00   |
|           |            | 25      | 25        | 16.75   | 16.71   | 16.76   | 18.00   |
|           |            | 50      | 0         | 16.70   | 16.76   | 16.76   | 18.00   |
|           | 256QAM     | 1       | 0         | 16.69   | 16.80   | 16.64   | 18.00   |
|           |            | 1       | 25        | 16.69   | 16.77   | 16.73   | 18.00   |
|           |            | 1       | 49        | 16.75   | 16.82   | 16.77   | 18.00   |
|           |            | 25      | 0         | 16.60   | 16.76   | 16.74   | 18.00   |
|           |            | 25      | 13        | 16.67   | 16.88   | 16.81   | 18.00   |



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

Report No.: SZCR240700286108

Page: 879 of 1531

|           |            | 25      | 25        | 16.51   | 16.73   | 16.81   | 18.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 50      | 0         | 16.66   | 16.67   | 16.78   | 18.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20025   | 20175   | 20325   |         |
| 15MHz     | QPSK       | 1       | 0         | 16.67   | 16.70   | 16.68   | 18.00   |
|           |            | 1       | 38        | 16.70   | 16.71   | 16.62   | 18.00   |
|           |            | 1       | 74        | 16.74   | 16.80   | 16.72   | 18.00   |
|           |            | 36      | 0         | 16.83   | 16.88   | 16.81   | 18.00   |
|           |            | 36      | 18        | 16.61   | 16.83   | 16.65   | 18.00   |
|           |            | 36      | 39        | 16.63   | 16.72   | 16.68   | 18.00   |
|           |            | 75      | 0         | 16.63   | 16.68   | 16.65   | 18.00   |
|           | 16QAM      | 1       | 0         | 16.73   | 16.74   | 16.74   | 18.00   |
|           |            | 1       | 38        | 16.55   | 16.79   | 16.78   | 18.00   |
|           |            | 1       | 74        | 16.63   | 16.79   | 16.68   | 18.00   |
|           |            | 36      | 0         | 16.68   | 16.84   | 16.66   | 18.00   |
|           |            | 36      | 18        | 16.66   | 16.69   | 16.70   | 18.00   |
|           |            | 36      | 39        | 16.56   | 16.76   | 16.73   | 18.00   |
|           |            | 75      | 0         | 16.74   | 16.78   | 16.61   | 18.00   |
|           | 64QAM      | 1       | 0         | 16.63   | 16.78   | 16.66   | 18.00   |
|           |            | 1       | 38        | 16.74   | 16.71   | 16.73   | 18.00   |
|           |            | 1       | 74        | 16.70   | 16.70   | 16.65   | 18.00   |
|           |            | 36      | 0         | 16.61   | 16.71   | 16.72   | 18.00   |
|           |            | 36      | 18        | 16.73   | 16.77   | 16.84   | 18.00   |
|           |            | 36      | 39        | 16.60   | 16.73   | 16.80   | 18.00   |
|           |            | 75      | 0         | 16.72   | 16.87   | 16.82   | 18.00   |
|           | 256QAM     | 1       | 0         | 16.71   | 16.64   | 16.79   | 18.00   |
|           |            | 1       | 38        | 16.66   | 16.71   | 16.64   | 18.00   |
|           |            | 1       | 74        | 16.70   | 16.75   | 16.74   | 18.00   |
|           |            | 36      | 0         | 16.65   | 16.66   | 16.76   | 18.00   |
|           |            | 36      | 18        | 16.63   | 16.83   | 16.70   | 18.00   |
|           |            | 36      | 39        | 16.64   | 16.83   | 16.82   | 18.00   |
|           |            | 75      | 0         | 16.72   | 16.67   | 16.84   | 18.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20050   | 20175   | 20300   |         |
| 20MHz     | QPSK       | 1       | 0         | 16.73   | 16.77   | 16.75   | 18.00   |
|           |            | 1       | 50        | 16.70   | 16.76   | 16.72   | 18.00   |
|           |            | 1       | 99        | 16.68   | 16.70   | 16.71   | 18.00   |
|           |            | 50      | 0         | 16.73   | 16.80   | 16.74   | 18.00   |
|           |            | 50      | 25        | 16.69   | 16.80   | 16.74   | 18.00   |
|           |            | 50      | 50        | 16.61   | 16.71   | 16.72   | 18.00   |



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

Report No.: SZCR240700286108

Page: 880 of 1531

|  |        |     |    |       |       |       |       |
|--|--------|-----|----|-------|-------|-------|-------|
|  |        | 100 | 0  | 16.73 | 16.72 | 16.67 | 18.00 |
|  | 16QAM  | 1   | 0  | 16.64 | 16.73 | 16.71 | 18.00 |
|  |        | 1   | 50 | 16.64 | 16.74 | 16.77 | 18.00 |
|  |        | 1   | 99 | 16.64 | 16.77 | 16.75 | 18.00 |
|  |        | 50  | 0  | 16.72 | 16.74 | 16.73 | 18.00 |
|  |        | 50  | 25 | 16.62 | 16.76 | 16.72 | 18.00 |
|  |        | 50  | 50 | 16.63 | 16.71 | 16.74 | 18.00 |
|  |        | 100 | 0  | 16.74 | 16.81 | 16.68 | 18.00 |
|  | 64QAM  | 1   | 0  | 16.61 | 16.72 | 16.73 | 18.00 |
|  |        | 1   | 50 | 16.69 | 16.74 | 16.74 | 18.00 |
|  |        | 1   | 99 | 16.67 | 16.78 | 16.73 | 18.00 |
|  |        | 50  | 0  | 16.59 | 16.74 | 16.74 | 18.00 |
|  |        | 50  | 25 | 16.65 | 16.80 | 16.75 | 18.00 |
|  |        | 50  | 50 | 16.69 | 16.73 | 16.70 | 18.00 |
|  |        | 100 | 0  | 16.68 | 16.78 | 16.77 | 18.00 |
|  | 256QAM | 1   | 0  | 16.67 | 16.72 | 16.71 | 18.00 |
|  |        | 1   | 50 | 16.74 | 16.76 | 16.73 | 18.00 |
|  |        | 1   | 99 | 16.66 | 16.73 | 16.73 | 18.00 |
|  |        | 50  | 0  | 16.68 | 16.74 | 16.69 | 18.00 |
|  |        | 50  | 25 | 16.70 | 16.80 | 16.72 | 18.00 |
|  |        | 50  | 50 | 16.59 | 16.75 | 16.74 | 18.00 |
|  |        | 100 | 0  | 16.66 | 16.75 | 16.75 | 18.00 |



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

Report No.: SZCR240700286108

Page: 881 of 1531

| LTE Band 5 DSI 2/3 |            |         |           | Conducted Power(dBm) |         |         |         |
|--------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                    |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz             | QPSK       | 1       | 0         | 23.50                | 23.55   | 23.63   | 25.00   |
|                    |            | 1       | 2         | 23.68                | 23.57   | 23.57   | 25.00   |
|                    |            | 1       | 5         | 23.57                | 23.56   | 23.54   | 25.00   |
|                    |            | 3       | 0         | 23.58                | 23.67   | 23.69   | 25.00   |
|                    |            | 3       | 2         | 23.62                | 23.72   | 23.51   | 25.00   |
|                    |            | 3       | 3         | 23.66                | 23.63   | 23.64   | 25.00   |
|                    |            | 6       | 0         | 22.61                | 22.57   | 22.61   | 24.00   |
|                    | 16QAM      | 1       | 0         | 22.62                | 22.70   | 22.66   | 24.00   |
|                    |            | 1       | 2         | 22.60                | 22.70   | 22.76   | 24.00   |
|                    |            | 1       | 5         | 22.59                | 22.59   | 22.53   | 24.00   |
|                    |            | 3       | 0         | 22.60                | 22.51   | 22.32   | 24.00   |
|                    |            | 3       | 2         | 22.51                | 22.50   | 22.50   | 24.00   |
|                    |            | 3       | 3         | 22.47                | 22.35   | 22.41   | 24.00   |
|                    |            | 6       | 0         | 21.66                | 21.62   | 21.55   | 23.00   |
|                    | 64QAM      | 1       | 0         | 21.52                | 21.58   | 21.63   | 23.00   |
|                    |            | 1       | 2         | 21.71                | 21.68   | 21.54   | 23.00   |
|                    |            | 1       | 5         | 21.76                | 21.54   | 21.71   | 23.00   |
|                    |            | 3       | 0         | 21.49                | 21.55   | 21.60   | 23.00   |
|                    |            | 3       | 2         | 21.53                | 21.61   | 21.51   | 23.00   |
|                    |            | 3       | 3         | 21.45                | 21.34   | 21.47   | 23.00   |
|                    |            | 6       | 0         | 20.63                | 20.50   | 20.59   | 22.00   |
|                    | 256QAM     | 1       | 0         | 18.62                | 18.63   | 18.45   | 20.00   |
|                    |            | 1       | 2         | 18.58                | 18.63   | 18.69   | 20.00   |
|                    |            | 1       | 5         | 18.59                | 18.71   | 18.64   | 20.00   |
|                    |            | 3       | 0         | 18.61                | 18.70   | 18.53   | 20.00   |
|                    |            | 3       | 2         | 18.69                | 18.62   | 18.89   | 20.00   |
|                    |            | 3       | 3         | 18.75                | 18.79   | 18.65   | 20.00   |
|                    |            | 6       | 0         | 18.63                | 18.62   | 18.65   | 20.00   |
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                    |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz               | QPSK       | 1       | 0         | 23.62                | 23.53   | 23.63   | 25.00   |
|                    |            | 1       | 7         | 23.66                | 23.65   | 23.47   | 25.00   |
|                    |            | 1       | 14        | 23.59                | 23.48   | 23.59   | 25.00   |
|                    |            | 8       | 0         | 22.59                | 22.60   | 22.61   | 24.00   |
|                    |            | 8       | 4         | 22.64                | 22.62   | 22.53   | 24.00   |
|                    |            | 8       | 7         | 22.75                | 22.51   | 22.74   | 24.00   |



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

Report No.: SZCR240700286108

Page: 882 of 1531

|           |            | 15      | 0         | 22.68   | 22.64   | 22.56   | 24.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           | 16QAM      | 1       | 0         | 22.58   | 22.52   | 22.37   | 24.00   |
|           |            | 1       | 7         | 22.48   | 22.34   | 22.48   | 24.00   |
|           |            | 1       | 14        | 22.40   | 22.48   | 22.37   | 24.00   |
|           |            | 8       | 0         | 21.75   | 21.46   | 21.61   | 23.00   |
|           |            | 8       | 4         | 21.59   | 21.65   | 21.63   | 23.00   |
|           |            | 8       | 7         | 21.64   | 21.65   | 21.64   | 23.00   |
|           |            | 15      | 0         | 21.78   | 21.57   | 21.53   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.49   | 21.58   | 21.44   | 23.00   |
|           |            | 1       | 7         | 21.47   | 21.61   | 21.44   | 23.00   |
|           |            | 1       | 14        | 21.47   | 21.45   | 21.48   | 23.00   |
|           |            | 8       | 0         | 20.62   | 20.58   | 20.53   | 22.00   |
|           |            | 8       | 4         | 20.59   | 20.64   | 20.59   | 22.00   |
|           |            | 8       | 7         | 20.58   | 20.64   | 20.60   | 22.00   |
|           |            | 15      | 0         | 20.61   | 20.58   | 20.54   | 22.00   |
|           | 256QAM     | 1       | 0         | 18.47   | 18.63   | 18.48   | 20.00   |
|           |            | 1       | 7         | 18.50   | 18.64   | 18.62   | 20.00   |
|           |            | 1       | 14        | 18.63   | 18.66   | 18.63   | 20.00   |
|           |            | 8       | 0         | 18.60   | 18.60   | 18.56   | 20.00   |
|           |            | 8       | 4         | 18.76   | 18.67   | 18.84   | 20.00   |
|           |            | 8       | 7         | 18.74   | 18.59   | 18.74   | 20.00   |
|           |            | 15      | 0         | 18.56   | 18.63   | 18.56   | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.66   | 23.51   | 23.66   | 25.00   |
|           |            | 1       | 13        | 23.76   | 23.61   | 23.66   | 25.00   |
|           |            | 1       | 24        | 23.60   | 23.64   | 23.60   | 25.00   |
|           |            | 12      | 0         | 22.49   | 22.53   | 22.70   | 24.00   |
|           |            | 12      | 6         | 22.59   | 22.61   | 22.57   | 24.00   |
|           |            | 12      | 13        | 22.67   | 22.67   | 22.79   | 24.00   |
|           |            | 25      | 0         | 22.59   | 22.62   | 22.52   | 24.00   |
|           | 16QAM      | 1       | 0         | 22.63   | 22.56   | 22.41   | 24.00   |
|           |            | 1       | 13        | 22.51   | 22.31   | 22.43   | 24.00   |
|           |            | 1       | 24        | 22.33   | 22.43   | 22.38   | 24.00   |
|           |            | 12      | 0         | 21.61   | 21.55   | 21.59   | 23.00   |
|           |            | 12      | 6         | 21.70   | 21.69   | 21.70   | 23.00   |
|           |            | 12      | 13        | 21.66   | 21.71   | 21.65   | 23.00   |
|           |            | 25      | 0         | 21.72   | 21.52   | 21.69   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.50   | 21.47   | 21.61   | 23.00   |
|           |            | 1       | 13        | 21.61   | 21.48   | 21.34   | 23.00   |



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

Report No.: SZCR240700286108

Page: 883 of 1531

|           |            | 1       | 24        | 21.52   | 21.50   | 21.43   | 23.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 0         | 20.67   | 20.57   | 20.60   | 22.00   |
|           |            | 12      | 6         | 20.64   | 20.60   | 20.69   | 22.00   |
|           |            | 12      | 13        | 20.73   | 20.65   | 20.65   | 22.00   |
|           |            | 25      | 0         | 20.49   | 20.53   | 20.60   | 22.00   |
|           | 256QAM     | 1       | 0         | 18.65   | 18.59   | 18.62   | 20.00   |
|           |            | 1       | 13        | 18.47   | 18.66   | 18.75   | 20.00   |
|           |            | 1       | 24        | 18.58   | 18.71   | 18.66   | 20.00   |
|           |            | 12      | 0         | 18.61   | 18.61   | 18.68   | 20.00   |
|           |            | 12      | 6         | 18.70   | 18.70   | 18.71   | 20.00   |
|           |            | 12      | 13        | 18.59   | 18.60   | 18.66   | 20.00   |
|           |            | 25      | 0         | 18.55   | 18.69   | 18.65   | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 23.56   | 23.61   | 23.67   | 25.00   |
|           |            | 1       | 25        | 23.69   | 23.65   | 23.56   | 25.00   |
|           |            | 1       | 49        | 23.59   | 23.57   | 23.58   | 25.00   |
|           |            | 25      | 0         | 22.56   | 22.59   | 22.64   | 24.00   |
|           |            | 25      | 13        | 22.63   | 22.66   | 22.59   | 24.00   |
|           |            | 25      | 25        | 22.70   | 22.60   | 22.69   | 24.00   |
|           |            | 50      | 0         | 22.59   | 22.56   | 22.62   | 24.00   |
|           | 16QAM      | 1       | 0         | 22.54   | 22.46   | 22.38   | 24.00   |
|           |            | 1       | 25        | 22.48   | 22.40   | 22.48   | 24.00   |
|           |            | 1       | 49        | 22.41   | 22.38   | 22.33   | 24.00   |
|           |            | 25      | 0         | 21.65   | 21.56   | 21.51   | 23.00   |
|           |            | 25      | 13        | 21.61   | 21.63   | 21.71   | 23.00   |
|           |            | 25      | 25        | 21.65   | 21.62   | 21.62   | 23.00   |
|           |            | 50      | 0         | 21.69   | 21.59   | 21.61   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.45   | 21.48   | 21.52   | 23.00   |
|           |            | 1       | 25        | 21.57   | 21.51   | 21.44   | 23.00   |
|           |            | 1       | 49        | 21.45   | 21.41   | 21.42   | 23.00   |
|           |            | 25      | 0         | 20.59   | 20.54   | 20.61   | 22.00   |
|           |            | 25      | 13        | 20.62   | 20.69   | 20.66   | 22.00   |
|           |            | 25      | 25        | 20.66   | 20.66   | 20.62   | 22.00   |
|           |            | 50      | 0         | 20.57   | 20.56   | 20.58   | 22.00   |
|           | 256QAM     | 1       | 0         | 18.57   | 18.53   | 18.53   | 20.00   |
|           |            | 1       | 25        | 18.52   | 18.62   | 18.68   | 20.00   |
|           |            | 1       | 49        | 18.62   | 18.68   | 18.60   | 20.00   |
|           |            | 25      | 0         | 18.60   | 18.63   | 18.59   | 20.00   |
|           |            | 25      | 13        | 18.75   | 18.70   | 18.80   | 20.00   |



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

Report No.: SZCR240700286108  
Page: 884 of 1531

|  |  |    |    |       |       |       |       |
|--|--|----|----|-------|-------|-------|-------|
|  |  | 25 | 25 | 18.69 | 18.69 | 18.68 | 20.00 |
|  |  | 50 | 0  | 18.56 | 18.65 | 18.65 | 20.00 |



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

Report No.: SZCR240700286108

Page: 885 of 1531

| LTE Band 5 DSI 4/5 |            |         |           | Conducted Power(dBm) |         |         |         |
|--------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                    |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz             | QPSK       | 1       | 0         | 23.08                | 23.09   | 23.23   | 24.50   |
|                    |            | 1       | 2         | 23.23                | 23.01   | 23.03   | 24.50   |
|                    |            | 1       | 5         | 23.02                | 23.02   | 23.12   | 24.50   |
|                    |            | 3       | 0         | 23.13                | 23.03   | 23.32   | 24.50   |
|                    |            | 3       | 2         | 23.13                | 23.08   | 23.04   | 24.50   |
|                    |            | 3       | 3         | 22.97                | 23.15   | 23.16   | 24.50   |
|                    |            | 6       | 0         | 22.52                | 22.60   | 22.79   | 24.00   |
|                    | 16QAM      | 1       | 0         | 22.45                | 22.61   | 22.68   | 24.00   |
|                    |            | 1       | 2         | 22.83                | 22.53   | 22.74   | 24.00   |
|                    |            | 1       | 5         | 22.46                | 22.54   | 22.53   | 24.00   |
|                    |            | 3       | 0         | 22.61                | 22.48   | 22.44   | 24.00   |
|                    |            | 3       | 2         | 22.37                | 22.40   | 22.46   | 24.00   |
|                    |            | 3       | 3         | 22.60                | 22.36   | 22.28   | 24.00   |
|                    |            | 6       | 0         | 21.59                | 21.53   | 21.50   | 23.00   |
|                    | 64QAM      | 1       | 0         | 21.48                | 21.71   | 21.85   | 23.00   |
|                    |            | 1       | 2         | 21.63                | 21.51   | 21.51   | 23.00   |
|                    |            | 1       | 5         | 21.68                | 21.60   | 21.50   | 23.00   |
|                    |            | 3       | 0         | 21.40                | 21.37   | 21.56   | 23.00   |
|                    |            | 3       | 2         | 21.51                | 21.58   | 21.29   | 23.00   |
|                    |            | 3       | 3         | 21.29                | 21.39   | 21.51   | 23.00   |
|                    |            | 6       | 0         | 20.64                | 20.74   | 20.63   | 22.00   |
|                    | 256QAM     | 1       | 0         | 18.57                | 18.69   | 18.53   | 20.00   |
|                    |            | 1       | 2         | 18.40                | 18.78   | 18.72   | 20.00   |
|                    |            | 1       | 5         | 18.70                | 18.74   | 18.65   | 20.00   |
|                    |            | 3       | 0         | 18.65                | 18.47   | 18.64   | 20.00   |
|                    |            | 3       | 2         | 18.77                | 18.75   | 18.89   | 20.00   |
|                    |            | 3       | 3         | 18.73                | 18.66   | 18.61   | 20.00   |
|                    |            | 6       | 0         | 18.51                | 18.63   | 18.57   | 20.00   |
| Bandwidth          | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                    |            |         |           | 20415                | 20525   | 20635   |         |
| 3MHz               | QPSK       | 1       | 0         | 22.94                | 23.05   | 23.27   | 24.50   |
|                    |            | 1       | 7         | 23.24                | 23.03   | 23.02   | 24.50   |
|                    |            | 1       | 14        | 22.98                | 23.19   | 23.08   | 24.50   |
|                    |            | 8       | 0         | 22.49                | 22.59   | 22.61   | 24.00   |
|                    |            | 8       | 4         | 22.52                | 22.69   | 22.62   | 24.00   |
|                    |            | 8       | 7         | 22.71                | 22.56   | 22.65   | 24.00   |



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

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

Report No.: SZCR240700286108

Page: 886 of 1531

|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 15      | 0         | 22.53   | 22.62   | 22.68   | 24.00   |
|           | 16QAM      | 1       | 0         | 22.67   | 22.45   | 22.42   | 24.00   |
|           |            | 1       | 7         | 22.46   | 22.42   | 22.62   | 24.00   |
|           |            | 1       | 14        | 22.43   | 22.33   | 22.44   | 24.00   |
|           |            | 8       | 0         | 21.65   | 21.63   | 21.62   | 23.00   |
|           |            | 8       | 4         | 21.67   | 21.64   | 21.73   | 23.00   |
|           |            | 8       | 7         | 21.71   | 21.49   | 21.62   | 23.00   |
|           |            | 15      | 0         | 21.66   | 21.57   | 21.57   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.35   | 21.52   | 21.54   | 23.00   |
|           |            | 1       | 7         | 21.58   | 21.52   | 21.32   | 23.00   |
|           |            | 1       | 14        | 21.34   | 21.55   | 21.52   | 23.00   |
|           |            | 8       | 0         | 20.59   | 20.71   | 20.74   | 22.00   |
|           |            | 8       | 4         | 20.53   | 20.54   | 20.63   | 22.00   |
|           |            | 8       | 7         | 20.70   | 20.61   | 20.67   | 22.00   |
|           |            | 15      | 0         | 20.64   | 20.52   | 20.55   | 22.00   |
|           | 256QAM     | 1       | 0         | 18.56   | 18.65   | 18.62   | 20.00   |
|           |            | 1       | 7         | 18.50   | 18.71   | 18.63   | 20.00   |
|           |            | 1       | 14        | 18.68   | 18.68   | 18.68   | 20.00   |
|           |            | 8       | 0         | 18.60   | 18.49   | 18.51   | 20.00   |
|           |            | 8       | 4         | 18.75   | 18.75   | 18.86   | 20.00   |
|           |            | 8       | 7         | 18.67   | 18.53   | 18.62   | 20.00   |
|           |            | 15      | 0         | 18.42   | 18.71   | 18.48   | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20425   | 20525   | 20625   |         |



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

Report No.: SZCR240700286108

Page: 887 of 1531

|           |            |         |           |         |         |         |         |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
| 5MHz      | QPSK       | 1       | 0         | 23.03   | 22.99   | 23.23   | 24.50   |
|           |            | 1       | 13        | 23.14   | 23.12   | 23.00   | 24.50   |
|           |            | 1       | 24        | 23.15   | 23.15   | 23.12   | 24.50   |
|           |            | 12      | 0         | 22.55   | 22.70   | 22.75   | 24.00   |
|           |            | 12      | 6         | 22.59   | 22.72   | 22.63   | 24.00   |
|           |            | 12      | 13        | 22.83   | 22.65   | 22.72   | 24.00   |
|           |            | 25      | 0         | 22.48   | 22.70   | 22.64   | 24.00   |
|           | 16QAM      | 1       | 0         | 22.61   | 22.51   | 22.36   | 24.00   |
|           |            | 1       | 13        | 22.46   | 22.50   | 22.60   | 24.00   |
|           |            | 1       | 24        | 22.44   | 22.20   | 22.24   | 24.00   |
|           |            | 12      | 0         | 21.65   | 21.63   | 21.56   | 23.00   |
|           |            | 12      | 6         | 21.54   | 21.75   | 21.77   | 23.00   |
|           |            | 12      | 13        | 21.71   | 21.63   | 21.56   | 23.00   |
|           |            | 25      | 0         | 21.77   | 21.61   | 21.61   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.40   | 21.49   | 21.59   | 23.00   |
|           |            | 1       | 13        | 21.62   | 21.58   | 21.39   | 23.00   |
|           |            | 1       | 24        | 21.42   | 21.39   | 21.36   | 23.00   |
|           |            | 12      | 0         | 20.58   | 20.69   | 20.65   | 22.00   |
|           |            | 12      | 6         | 20.61   | 20.56   | 20.74   | 22.00   |
|           |            | 12      | 13        | 20.58   | 20.61   | 20.58   | 22.00   |
|           |            | 25      | 0         | 20.49   | 20.57   | 20.44   | 22.00   |
|           | 256QAM     | 1       | 0         | 18.63   | 18.70   | 18.62   | 20.00   |
|           |            | 1       | 13        | 18.54   | 18.72   | 18.65   | 20.00   |
|           |            | 1       | 24        | 18.70   | 18.83   | 18.59   | 20.00   |
|           |            | 12      | 0         | 18.65   | 18.58   | 18.63   | 20.00   |
|           |            | 12      | 6         | 18.80   | 18.76   | 18.87   | 20.00   |
|           |            | 12      | 13        | 18.55   | 18.72   | 18.62   | 20.00   |
|           |            | 25      | 0         | 18.43   | 18.71   | 18.59   | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 23.04   | 23.06   | 23.22   | 24.50   |
|           |            | 1       | 25        | 23.18   | 23.11   | 23.03   | 24.50   |
|           |            | 1       | 49        | 23.06   | 23.11   | 23.10   | 24.50   |
|           |            | 25      | 0         | 22.54   | 22.64   | 22.71   | 24.00   |
|           |            | 25      | 13        | 22.53   | 22.65   | 22.66   | 24.00   |
|           |            | 25      | 25        | 22.78   | 22.62   | 22.67   | 24.00   |
|           |            | 50      | 0         | 22.54   | 22.63   | 22.58   | 24.00   |
|           | 16QAM      | 1       | 0         | 22.63   | 22.49   | 22.43   | 24.00   |
|           |            | 1       | 25        | 22.40   | 22.44   | 22.56   | 24.00   |
|           |            | 1       | 49        | 22.51   | 22.28   | 22.34   | 24.00   |



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

Report No.: SZCR240700286108

Page: 888 of 1531

|  |        |    |    |       |       |       |       |
|--|--------|----|----|-------|-------|-------|-------|
|  |        | 25 | 0  | 21.58 | 21.56 | 21.54 | 23.00 |
|  |        | 25 | 13 | 21.58 | 21.67 | 21.78 | 23.00 |
|  |        | 25 | 25 | 21.72 | 21.54 | 21.52 | 23.00 |
|  |        | 50 | 0  | 21.67 | 21.57 | 21.57 | 23.00 |
|  | 64QAM  | 1  | 0  | 21.40 | 21.44 | 21.50 | 23.00 |
|  |        | 1  | 25 | 21.60 | 21.50 | 21.36 | 23.00 |
|  |        | 1  | 49 | 21.39 | 21.49 | 21.42 | 23.00 |
|  |        | 25 | 0  | 20.68 | 20.64 | 20.70 | 22.00 |
|  |        | 25 | 13 | 20.59 | 20.64 | 20.71 | 22.00 |
|  |        | 25 | 25 | 20.62 | 20.70 | 20.57 | 22.00 |
|  |        | 50 | 0  | 20.58 | 20.58 | 20.49 | 22.00 |
|  | 256QAM | 1  | 0  | 18.55 | 18.60 | 18.55 | 20.00 |
|  |        | 1  | 25 | 18.47 | 18.68 | 18.64 | 20.00 |
|  |        | 1  | 49 | 18.71 | 18.78 | 18.62 | 20.00 |
|  |        | 25 | 0  | 18.57 | 18.55 | 18.57 | 20.00 |
|  |        | 25 | 13 | 18.75 | 18.71 | 18.89 | 20.00 |
|  |        | 25 | 25 | 18.65 | 18.62 | 18.68 | 20.00 |
|  |        | 50 | 0  | 18.51 | 18.70 | 18.55 | 20.00 |



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

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

Report No.: SZCR240700286108

Page: 889 of 1531

| LTE Band 5 DSI 8/9/10 |            |         |           | Conducted Power(dBm) |         |         |         |
|-----------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                       |            |         |           | 20407                | 20525   | 20643   |         |
| 1.4MHz                | QPSK       | 1       | 0         | 19.95                | 20.21   | 20.20   | 21.50   |
|                       |            | 1       | 2         | 20.17                | 20.18   | 20.06   | 21.50   |
|                       |            | 1       | 5         | 20.00                | 20.17   | 20.00   | 21.50   |
|                       |            | 3       | 0         | 20.19                | 20.16   | 20.09   | 21.50   |
|                       |            | 3       | 2         | 20.07                | 20.22   | 20.10   | 21.50   |
|                       |            | 3       | 3         | 20.05                | 20.12   | 20.04   | 21.50   |
|                       |            | 6       | 0         | 20.14                | 20.17   | 20.25   | 21.50   |
|                       | 16QAM      | 1       | 0         | 20.21                | 20.06   | 19.98   | 21.50   |
|                       |            | 1       | 2         | 20.20                | 20.09   | 20.12   | 21.50   |
|                       |            | 1       | 5         | 20.01                | 20.01   | 20.21   | 21.50   |
|                       |            | 3       | 0         | 20.16                | 20.03   | 19.98   | 21.50   |
|                       |            | 3       | 2         | 20.23                | 20.06   | 20.16   | 21.50   |
|                       |            | 3       | 3         | 19.96                | 20.09   | 20.26   | 21.50   |
|                       |            | 6       | 0         | 20.18                | 20.21   | 20.18   | 21.50   |
|                       | 64QAM      | 1       | 0         | 20.16                | 20.14   | 20.13   | 21.50   |
|                       |            | 1       | 2         | 20.05                | 20.17   | 20.19   | 21.50   |
|                       |            | 1       | 5         | 20.24                | 20.07   | 20.16   | 21.50   |
|                       |            | 3       | 0         | 20.07                | 20.05   | 19.97   | 21.50   |
|                       |            | 3       | 2         | 20.08                | 20.04   | 20.30   | 21.50   |
|                       |            | 3       | 3         | 20.22                | 20.20   | 20.16   | 21.50   |
|                       |            | 6       | 0         | 20.10                | 20.18   | 19.99   | 21.50   |
|                       | 256QAM     | 1       | 0         | 18.53                | 18.74   | 18.56   | 20.00   |
|                       |            | 1       | 2         | 18.63                | 18.60   | 18.63   | 20.00   |
|                       |            | 1       | 5         | 18.81                | 18.71   | 18.68   | 20.00   |
|                       |            | 3       | 0         | 18.56                | 18.43   | 18.46   | 20.00   |
|                       |            | 3       | 2         | 18.73                | 18.70   | 18.96   | 20.00   |
|                       |            | 3       | 3         | 18.46                | 18.53   | 18.65   | 20.00   |
|                       |            | 6       | 0         | 18.43                | 18.70   | 18.43   | 20.00   |
| Bandwidth             | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz                  | QPSK       | 1       | 0         | 20.08                | 20.01   | 20.18   | 21.50   |
|                       |            | 1       | 7         | 20.20                | 20.11   | 20.03   | 21.50   |
|                       |            | 1       | 14        | 20.12                | 20.14   | 20.16   | 21.50   |
|                       |            | 8       | 0         | 20.05                | 20.10   | 20.13   | 21.50   |
|                       |            | 8       | 4         | 20.05                | 20.21   | 20.14   | 21.50   |
|                       |            | 8       | 7         | 20.13                | 19.97   | 19.97   | 21.50   |
|                       |            | 8       | 7         | 20.13                | 19.97   | 19.97   | 21.50   |



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

Report No.: SZCR240700286108

Page: 890 of 1531

|           |            | 15      | 0         | 20.14   | 20.15   | 20.08   | 21.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           | 16QAM      | 1       | 0         | 20.09   | 20.19   | 20.04   | 21.50   |
|           |            | 1       | 7         | 20.11   | 20.11   | 20.02   | 21.50   |
|           |            | 1       | 14        | 19.93   | 20.04   | 20.17   | 21.50   |
|           |            | 8       | 0         | 20.16   | 20.02   | 19.98   | 21.50   |
|           |            | 8       | 4         | 20.11   | 20.06   | 20.10   | 21.50   |
|           |            | 8       | 7         | 20.13   | 20.08   | 20.22   | 21.50   |
|           |            | 15      | 0         | 20.21   | 20.09   | 20.12   | 21.50   |
|           | 64QAM      | 1       | 0         | 20.10   | 20.12   | 20.07   | 21.50   |
|           |            | 1       | 7         | 19.99   | 20.15   | 20.29   | 21.50   |
|           |            | 1       | 14        | 20.29   | 20.14   | 20.13   | 21.50   |
|           |            | 8       | 0         | 20.06   | 20.11   | 20.01   | 21.50   |
|           |            | 8       | 4         | 20.05   | 20.11   | 20.27   | 21.50   |
|           |            | 8       | 7         | 20.21   | 20.14   | 19.98   | 21.50   |
|           |            | 15      | 0         | 20.04   | 20.00   | 20.06   | 21.50   |
|           | 256QAM     | 1       | 0         | 18.52   | 18.77   | 18.60   | 20.00   |
|           |            | 1       | 7         | 18.59   | 18.63   | 18.73   | 20.00   |
|           |            | 1       | 14        | 18.64   | 18.80   | 18.72   | 20.00   |
|           |            | 8       | 0         | 18.72   | 18.48   | 18.45   | 20.00   |
|           |            | 8       | 4         | 18.67   | 18.75   | 18.87   | 20.00   |
|           |            | 8       | 7         | 18.47   | 18.61   | 18.58   | 20.00   |
|           |            | 15      | 0         | 18.51   | 18.76   | 18.46   | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20425   | 20525   | 20625   |         |
| 5MHz      | QPSK       | 1       | 0         | 20.09   | 20.09   | 20.16   | 21.50   |
|           |            | 1       | 13        | 20.21   | 20.13   | 20.11   | 21.50   |
|           |            | 1       | 24        | 20.12   | 20.04   | 20.02   | 21.50   |
|           |            | 12      | 0         | 19.99   | 20.23   | 20.28   | 21.50   |
|           |            | 12      | 6         | 20.05   | 20.22   | 20.17   | 21.50   |
|           |            | 12      | 13        | 20.18   | 20.05   | 20.06   | 21.50   |
|           |            | 25      | 0         | 20.16   | 20.16   | 20.08   | 21.50   |
|           | 16QAM      | 1       | 0         | 20.08   | 20.18   | 20.00   | 21.50   |
|           |            | 1       | 13        | 20.21   | 19.98   | 20.18   | 21.50   |
|           |            | 1       | 24        | 20.01   | 20.19   | 20.16   | 21.50   |
|           |            | 12      | 0         | 20.10   | 20.09   | 19.99   | 21.50   |
|           |            | 12      | 6         | 20.06   | 20.17   | 20.02   | 21.50   |
|           |            | 12      | 13        | 20.07   | 19.99   | 20.22   | 21.50   |
|           |            | 25      | 0         | 20.21   | 20.12   | 20.14   | 21.50   |
|           | 64QAM      | 1       | 0         | 20.11   | 20.18   | 20.00   | 21.50   |
|           |            | 1       | 13        | 19.96   | 20.16   | 20.13   | 21.50   |



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

Report No.: SZCR240700286108

Page: 891 of 1531

|           |            | 1       | 24        | 20.19   | 20.23   | 20.15   | 21.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 12      | 0         | 20.16   | 20.07   | 19.94   | 21.50   |
|           |            | 12      | 6         | 20.09   | 20.16   | 20.23   | 21.50   |
|           |            | 12      | 13        | 20.13   | 20.12   | 20.11   | 21.50   |
|           |            | 25      | 0         | 19.99   | 20.02   | 20.18   | 21.50   |
|           | 256QAM     | 1       | 0         | 18.63   | 18.71   | 18.48   | 20.00   |
|           |            | 1       | 13        | 18.58   | 18.75   | 18.73   | 20.00   |
|           |            | 1       | 24        | 18.77   | 18.63   | 18.66   | 20.00   |
|           |            | 12      | 0         | 18.56   | 18.54   | 18.48   | 20.00   |
|           |            | 12      | 6         | 18.63   | 18.78   | 18.92   | 20.00   |
|           |            | 12      | 13        | 18.66   | 18.54   | 18.66   | 20.00   |
|           |            | 25      | 0         | 18.51   | 18.69   | 18.48   | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 20450   | 20525   | 20600   |         |
| 10MHz     | QPSK       | 1       | 0         | 20.03   | 20.11   | 20.14   | 21.50   |
|           |            | 1       | 25        | 20.22   | 20.13   | 20.11   | 21.50   |
|           |            | 1       | 49        | 20.10   | 20.11   | 20.07   | 21.50   |
|           |            | 25      | 0         | 20.09   | 20.16   | 20.18   | 21.50   |
|           |            | 25      | 13        | 20.14   | 20.18   | 20.08   | 21.50   |
|           |            | 25      | 25        | 20.10   | 20.07   | 20.07   | 21.50   |
|           |            | 50      | 0         | 20.09   | 20.13   | 20.16   | 21.50   |
|           | 16QAM      | 1       | 0         | 20.16   | 20.10   | 20.05   | 21.50   |
|           |            | 1       | 25        | 20.14   | 20.04   | 20.08   | 21.50   |
|           |            | 1       | 49        | 20.01   | 20.10   | 20.21   | 21.50   |
|           |            | 25      | 0         | 20.16   | 20.11   | 20.02   | 21.50   |
|           |            | 25      | 13        | 20.14   | 20.09   | 20.12   | 21.50   |
|           |            | 25      | 25        | 20.03   | 20.06   | 20.20   | 21.50   |
|           |            | 50      | 0         | 20.15   | 20.13   | 20.08   | 21.50   |
|           | 64QAM      | 1       | 0         | 20.09   | 20.11   | 20.09   | 21.50   |
|           |            | 1       | 25        | 20.02   | 20.14   | 20.19   | 21.50   |
|           |            | 1       | 49        | 20.23   | 20.14   | 20.07   | 21.50   |
|           |            | 25      | 0         | 20.10   | 20.08   | 20.03   | 21.50   |
|           |            | 25      | 13        | 20.05   | 20.14   | 20.22   | 21.50   |
|           |            | 25      | 25        | 20.22   | 20.10   | 20.06   | 21.50   |
|           |            | 50      | 0         | 20.08   | 20.09   | 20.08   | 21.50   |
|           | 256QAM     | 1       | 0         | 18.58   | 18.67   | 18.51   | 20.00   |
|           |            | 1       | 25        | 18.55   | 18.69   | 18.73   | 20.00   |
|           |            | 1       | 49        | 18.73   | 18.72   | 18.70   | 20.00   |
|           |            | 25      | 0         | 18.65   | 18.53   | 18.52   | 20.00   |
|           |            | 25      | 13        | 18.73   | 18.79   | 18.94   | 20.00   |



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

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

Report No.: SZCR240700286108

Page: 892 of 1531

|  |  |    |    |       |       |       |       |
|--|--|----|----|-------|-------|-------|-------|
|  |  | 25 | 25 | 18.56 | 18.63 | 18.65 | 20.00 |
|  |  | 50 | 0  | 18.44 | 18.67 | 18.49 | 20.00 |



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

Report No.: SZCR240700286108

Page: 893 of 1531

| LTE Band 26 DSI 2/3 |            |         |           | Conducted Power(dBm) |         |         |         |
|---------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth           | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |            |         |           | 26697                | 26865   | 27033   |         |
| 1.4MHz              | QPSK       | 1       | 0         | 23.54                | 23.52   | 23.49   | 25.00   |
|                     |            | 1       | 2         | 23.50                | 23.32   | 23.38   | 25.00   |
|                     |            | 1       | 5         | 23.40                | 23.35   | 23.48   | 25.00   |
|                     |            | 3       | 0         | 23.50                | 23.45   | 23.34   | 25.00   |
|                     |            | 3       | 2         | 23.39                | 23.35   | 23.55   | 25.00   |
|                     |            | 3       | 3         | 23.50                | 23.48   | 23.57   | 25.00   |
|                     |            | 6       | 0         | 22.43                | 22.54   | 22.58   | 24.00   |
|                     | 16QAM      | 1       | 0         | 22.45                | 22.38   | 22.56   | 24.00   |
|                     |            | 1       | 2         | 22.50                | 22.53   | 22.50   | 24.00   |
|                     |            | 1       | 5         | 22.50                | 22.47   | 22.56   | 24.00   |
|                     |            | 3       | 0         | 22.18                | 22.23   | 22.17   | 24.00   |
|                     |            | 3       | 2         | 22.15                | 22.12   | 22.18   | 24.00   |
|                     |            | 3       | 3         | 22.34                | 22.17   | 22.09   | 24.00   |
|                     |            | 6       | 0         | 21.57                | 21.54   | 21.47   | 23.00   |
|                     | 64QAM      | 1       | 0         | 21.24                | 21.36   | 21.39   | 23.00   |
|                     |            | 1       | 2         | 21.53                | 21.47   | 21.46   | 23.00   |
|                     |            | 1       | 5         | 21.53                | 21.49   | 21.32   | 23.00   |
|                     |            | 3       | 0         | 21.35                | 21.30   | 21.25   | 23.00   |
|                     |            | 3       | 2         | 21.34                | 21.29   | 21.18   | 23.00   |
|                     |            | 3       | 3         | 21.31                | 21.39   | 21.44   | 23.00   |
|                     |            | 6       | 0         | 20.53                | 20.54   | 20.58   | 22.00   |
|                     | 256QAM     | 1       | 0         | 18.41                | 18.52   | 18.44   | 20.00   |
|                     |            | 1       | 2         | 18.54                | 18.48   | 18.47   | 20.00   |
|                     |            | 1       | 5         | 18.59                | 18.51   | 18.67   | 20.00   |
|                     |            | 3       | 0         | 18.39                | 18.42   | 18.33   | 20.00   |
|                     |            | 3       | 2         | 18.37                | 18.42   | 18.48   | 20.00   |
|                     |            | 3       | 3         | 18.47                | 18.54   | 18.70   | 20.00   |
|                     |            | 6       | 0         | 18.55                | 18.63   | 18.42   | 20.00   |
| Bandwidth           | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz                | QPSK       | 1       | 0         | 23.41                | 23.36   | 23.39   | 25.00   |
|                     |            | 1       | 7         | 23.47                | 23.40   | 23.39   | 25.00   |
|                     |            | 1       | 14        | 23.47                | 23.36   | 23.55   | 25.00   |
|                     |            | 8       | 0         | 22.52                | 22.50   | 22.63   | 24.00   |
|                     |            | 8       | 4         | 22.55                | 22.53   | 22.52   | 24.00   |
|                     |            | 8       | 7         | 22.38                | 22.57   | 22.50   | 24.00   |
|                     |            | 8       | 7         | 22.38                | 22.57   | 22.50   | 24.00   |



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

Report No.: SZCR240700286108

Page: 894 of 1531

|           |            | 15      | 0         | 22.38   | 22.50   | 22.64   | 24.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           | 16QAM      | 1       | 0         | 22.21   | 22.21   | 22.19   | 24.00   |
|           |            | 1       | 7         | 22.15   | 22.13   | 22.11   | 24.00   |
|           |            | 1       | 14        | 22.28   | 22.09   | 22.15   | 24.00   |
|           |            | 8       | 0         | 21.63   | 21.54   | 21.49   | 23.00   |
|           |            | 8       | 4         | 21.43   | 21.38   | 21.56   | 23.00   |
|           |            | 8       | 7         | 21.45   | 21.43   | 21.53   | 23.00   |
|           |            | 15      | 0         | 21.54   | 21.50   | 21.38   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.21   | 21.24   | 21.43   | 23.00   |
|           |            | 1       | 7         | 21.27   | 21.40   | 21.27   | 23.00   |
|           |            | 1       | 14        | 21.22   | 21.37   | 21.43   | 23.00   |
|           |            | 8       | 0         | 20.57   | 20.58   | 20.46   | 22.00   |
|           |            | 8       | 4         | 20.49   | 20.46   | 20.42   | 22.00   |
|           |            | 8       | 7         | 20.50   | 20.58   | 20.51   | 22.00   |
|           |            | 15      | 0         | 20.65   | 20.59   | 20.52   | 22.00   |
|           | 256QAM     | 1       | 0         | 18.44   | 18.48   | 18.53   | 20.00   |
|           |            | 1       | 7         | 18.37   | 18.36   | 18.37   | 20.00   |
|           |            | 1       | 14        | 18.49   | 18.52   | 18.59   | 20.00   |
|           |            | 8       | 0         | 18.52   | 18.43   | 18.44   | 20.00   |
|           |            | 8       | 4         | 18.30   | 18.44   | 18.44   | 20.00   |
|           |            | 8       | 7         | 18.43   | 18.44   | 18.64   | 20.00   |
|           |            | 15      | 0         | 18.55   | 18.58   | 18.60   | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26715   | 26865   | 27015   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.38   | 23.50   | 23.32   | 25.00   |
|           |            | 1       | 13        | 23.42   | 23.48   | 23.44   | 25.00   |
|           |            | 1       | 24        | 23.51   | 23.48   | 23.50   | 25.00   |
|           |            | 12      | 0         | 22.42   | 22.39   | 22.54   | 24.00   |
|           |            | 12      | 6         | 22.47   | 22.37   | 22.60   | 24.00   |
|           |            | 12      | 13        | 22.49   | 22.58   | 22.44   | 24.00   |
|           |            | 25      | 0         | 22.39   | 22.51   | 22.53   | 24.00   |
|           | 16QAM      | 1       | 0         | 22.14   | 22.18   | 22.10   | 24.00   |
|           |            | 1       | 13        | 22.12   | 22.19   | 22.08   | 24.00   |
|           |            | 1       | 24        | 22.30   | 22.29   | 22.23   | 24.00   |
|           |            | 12      | 0         | 21.63   | 21.40   | 21.35   | 23.00   |
|           |            | 12      | 6         | 21.29   | 21.51   | 21.58   | 23.00   |
|           |            | 12      | 13        | 21.55   | 21.47   | 21.43   | 23.00   |
|           |            | 25      | 0         | 21.64   | 21.52   | 21.45   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.24   | 21.36   | 21.26   | 23.00   |
|           |            | 1       | 13        | 21.40   | 21.27   | 21.19   | 23.00   |



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

Report No.: SZCR240700286108

Page: 895 of 1531

|           |            | 1       | 24        | 21.31 | 21.34 | 21.25 | 23.00   |
|-----------|------------|---------|-----------|-------|-------|-------|---------|
|           |            | 12      | 0         | 20.48 | 20.53 | 20.57 | 22.00   |
|           |            | 12      | 6         | 20.61 | 20.36 | 20.59 | 22.00   |
|           |            | 12      | 13        | 20.50 | 20.41 | 20.60 | 22.00   |
|           |            | 25      | 0         | 20.62 | 20.54 | 20.54 | 22.00   |
|           | 256QAM     | 1       | 0         | 18.47 | 18.40 | 18.56 | 20.00   |
|           |            | 1       | 13        | 18.49 | 18.35 | 18.35 | 20.00   |
|           |            | 1       | 24        | 18.56 | 18.58 | 18.65 | 20.00   |
|           |            | 12      | 0         | 18.52 | 18.39 | 18.47 | 20.00   |
|           |            | 12      | 6         | 18.30 | 18.49 | 18.50 | 20.00   |
|           |            | 12      | 13        | 18.49 | 18.58 | 18.58 | 20.00   |
|           |            | 25      | 0         | 18.43 | 18.63 | 18.51 | 20.00   |
| Bandwidth | Modulation | RB size | RB offset |       |       |       | Tune up |
|           |            |         |           | 26740 | 26865 | 26990 |         |
| 10MHz     | QPSK       | 1       | 0         | 23.54 | 23.54 | 23.42 | 25.00   |
|           |            | 1       | 25        | 23.46 | 23.44 | 23.54 | 25.00   |
|           |            | 1       | 49        | 23.49 | 23.35 | 23.43 | 25.00   |
|           |            | 25      | 0         | 22.56 | 22.47 | 22.49 | 24.00   |
|           |            | 25      | 13        | 22.45 | 22.55 | 22.44 | 24.00   |
|           |            | 25      | 25        | 22.45 | 22.53 | 22.50 | 24.00   |
|           |            | 50      | 0         | 22.53 | 22.56 | 22.55 | 24.00   |
|           | 16QAM      | 1       | 0         | 22.12 | 22.12 | 22.21 | 24.00   |
|           |            | 1       | 25        | 22.13 | 22.15 | 22.17 | 24.00   |
|           |            | 1       | 49        | 22.28 | 22.09 | 22.26 | 24.00   |
|           |            | 25      | 0         | 21.44 | 21.54 | 21.48 | 23.00   |
|           |            | 25      | 13        | 21.40 | 21.36 | 21.45 | 23.00   |
|           |            | 25      | 25        | 21.52 | 21.48 | 21.57 | 23.00   |
|           |            | 50      | 0         | 21.56 | 21.51 | 21.50 | 23.00   |
|           | 64QAM      | 1       | 0         | 21.37 | 21.37 | 21.29 | 23.00   |
|           |            | 1       | 25        | 21.23 | 21.31 | 21.22 | 23.00   |
|           |            | 1       | 49        | 21.28 | 21.28 | 21.41 | 23.00   |
|           |            | 25      | 0         | 20.64 | 20.55 | 20.45 | 22.00   |
|           |            | 25      | 13        | 20.50 | 20.40 | 20.51 | 22.00   |
|           |            | 25      | 25        | 20.61 | 20.55 | 20.50 | 22.00   |
|           |            | 50      | 0         | 20.50 | 20.55 | 20.61 | 22.00   |
|           | 256QAM     | 1       | 0         | 18.55 | 18.51 | 18.55 | 20.00   |
|           |            | 1       | 25        | 18.52 | 18.39 | 18.34 | 20.00   |
|           |            | 1       | 49        | 18.45 | 18.42 | 18.67 | 20.00   |
|           |            | 25      | 0         | 18.53 | 18.46 | 18.32 | 20.00   |
|           |            | 25      | 13        | 18.35 | 18.44 | 18.49 | 20.00   |



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

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

Report No.: SZCR240700286108

Page: 896 of 1531

|           |            | 25      | 25        | 18.46   | 18.45   | 18.70   | 20.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 50      | 0         | 18.46   | 18.54   | 18.56   | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26765   | 26865   | 26965   |         |
| 15MHz     | QPSK       | 1       | 0         | 23.47   | 23.45   | 23.42   | 25.00   |
|           |            | 1       | 38        | 23.42   | 23.42   | 23.46   | 25.00   |
|           |            | 1       | 74        | 23.46   | 23.41   | 23.47   | 25.00   |
|           |            | 36      | 0         | 22.52   | 22.47   | 22.55   | 24.00   |
|           |            | 36      | 18        | 22.45   | 22.45   | 22.50   | 24.00   |
|           |            | 36      | 39        | 22.44   | 22.49   | 22.44   | 24.00   |
|           |            | 75      | 0         | 22.48   | 22.47   | 22.55   | 24.00   |
|           | 16QAM      | 1       | 0         | 22.15   | 22.18   | 22.11   | 24.00   |
|           |            | 1       | 38        | 22.06   | 22.15   | 22.12   | 24.00   |
|           |            | 1       | 74        | 22.28   | 22.19   | 22.17   | 24.00   |
|           |            | 36      | 0         | 21.53   | 21.45   | 21.45   | 23.00   |
|           |            | 36      | 18        | 21.33   | 21.41   | 21.48   | 23.00   |
|           |            | 36      | 39        | 21.51   | 21.43   | 21.49   | 23.00   |
|           |            | 75      | 0         | 21.55   | 21.48   | 21.42   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.27   | 21.31   | 21.34   | 23.00   |
|           |            | 1       | 38        | 21.32   | 21.35   | 21.28   | 23.00   |
|           |            | 1       | 74        | 21.24   | 21.30   | 21.34   | 23.00   |
|           |            | 36      | 0         | 20.54   | 20.50   | 20.47   | 22.00   |
|           |            | 36      | 18        | 20.53   | 20.45   | 20.51   | 22.00   |
|           |            | 36      | 39        | 20.52   | 20.51   | 20.50   | 22.00   |
|           |            | 75      | 0         | 20.59   | 20.54   | 20.56   | 22.00   |
|           | 256QAM     | 1       | 0         | 18.51   | 18.42   | 18.46   | 20.00   |
|           |            | 1       | 38        | 18.44   | 18.45   | 18.40   | 20.00   |
|           |            | 1       | 74        | 18.49   | 18.52   | 18.58   | 20.00   |
|           |            | 36      | 0         | 18.44   | 18.44   | 18.41   | 20.00   |
|           |            | 36      | 18        | 18.40   | 18.49   | 18.53   | 20.00   |
|           |            | 36      | 39        | 18.49   | 18.54   | 18.62   | 20.00   |
|           |            | 75      | 0         | 18.51   | 18.58   | 18.52   | 20.00   |



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

Report No.: SZCR240700286108

Page: 897 of 1531

| LTE Band 26 DSI 4/5 |            |         |           | Conducted Power(dBm) |         |         |         |
|---------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth           | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                     |            |         |           | 26697                | 26865   | 27033   |         |
| 1.4MHz              | QPSK       | 1       | 0         | 22.94                | 22.91   | 22.87   | 24.50   |
|                     |            | 1       | 2         | 22.84                | 22.84   | 22.89   | 24.50   |
|                     |            | 1       | 5         | 22.99                | 22.98   | 22.92   | 24.50   |
|                     |            | 3       | 0         | 22.89                | 22.83   | 22.82   | 24.50   |
|                     |            | 3       | 2         | 22.94                | 22.99   | 22.93   | 24.50   |
|                     |            | 3       | 3         | 22.95                | 22.86   | 23.02   | 24.50   |
|                     |            | 6       | 0         | 22.42                | 22.33   | 22.58   | 24.00   |
|                     | 16QAM      | 1       | 0         | 22.44                | 22.42   | 22.56   | 24.00   |
|                     |            | 1       | 2         | 22.34                | 22.50   | 22.50   | 24.00   |
|                     |            | 1       | 5         | 22.58                | 22.47   | 22.63   | 24.00   |
|                     |            | 3       | 0         | 22.13                | 22.27   | 22.22   | 24.00   |
|                     |            | 3       | 2         | 22.17                | 22.02   | 22.11   | 24.00   |
|                     |            | 3       | 3         | 22.36                | 22.07   | 22.18   | 24.00   |
|                     |            | 6       | 0         | 21.65                | 21.33   | 21.38   | 23.00   |
|                     | 64QAM      | 1       | 0         | 21.28                | 21.28   | 21.43   | 23.00   |
|                     |            | 1       | 2         | 21.56                | 21.45   | 21.60   | 23.00   |
|                     |            | 1       | 5         | 21.61                | 21.67   | 21.38   | 23.00   |
|                     |            | 3       | 0         | 21.22                | 21.28   | 21.30   | 23.00   |
|                     |            | 3       | 2         | 21.23                | 21.33   | 21.33   | 23.00   |
|                     |            | 3       | 3         | 21.07                | 21.26   | 21.34   | 23.00   |
|                     |            | 6       | 0         | 20.72                | 20.43   | 20.66   | 22.00   |
|                     | 256QAM     | 1       | 0         | 18.59                | 18.39   | 18.52   | 20.00   |
|                     |            | 1       | 2         | 18.43                | 18.53   | 18.57   | 20.00   |
|                     |            | 1       | 5         | 18.62                | 18.56   | 18.52   | 20.00   |
|                     |            | 3       | 0         | 18.54                | 18.52   | 18.54   | 20.00   |
|                     |            | 3       | 2         | 18.37                | 18.50   | 18.56   | 20.00   |
|                     |            | 3       | 3         | 18.56                | 18.55   | 18.59   | 20.00   |
|                     |            | 6       | 0         | 18.50                | 18.47   | 18.57   | 20.00   |
| Bandwidth           | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz                | QPSK       | 1       | 0         | 22.86                | 22.99   | 22.96   | 24.50   |
|                     |            | 1       | 7         | 22.89                | 22.90   | 22.89   | 24.50   |
|                     |            | 1       | 14        | 23.04                | 22.85   | 22.92   | 24.50   |
|                     |            | 8       | 0         | 22.43                | 22.29   | 22.71   | 24.00   |
|                     |            | 8       | 4         | 22.28                | 22.40   | 22.58   | 24.00   |
|                     |            | 8       | 7         | 22.37                | 22.53   | 22.36   | 24.00   |
|                     |            | 8       | 7         | 22.37                | 22.53   | 22.36   | 24.00   |



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

Report No.: SZCR240700286108

Page: 898 of 1531

|           |            | 15      | 0         | 22.40   | 22.59   | 22.48   | 24.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           | 16QAM      | 1       | 0         | 22.13   | 22.31   | 22.18   | 24.00   |
|           |            | 1       | 7         | 22.17   | 22.11   | 22.22   | 24.00   |
|           |            | 1       | 14        | 22.16   | 22.14   | 22.01   | 24.00   |
|           |            | 8       | 0         | 21.71   | 21.34   | 21.50   | 23.00   |
|           |            | 8       | 4         | 21.36   | 21.35   | 21.38   | 23.00   |
|           |            | 8       | 7         | 21.47   | 21.44   | 21.47   | 23.00   |
|           |            | 15      | 0         | 21.48   | 21.50   | 21.37   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.19   | 21.34   | 21.31   | 23.00   |
|           |            | 1       | 7         | 21.23   | 21.34   | 21.24   | 23.00   |
|           |            | 1       | 14        | 21.22   | 21.29   | 21.27   | 23.00   |
|           |            | 8       | 0         | 20.59   | 20.50   | 20.42   | 22.00   |
|           |            | 8       | 4         | 20.57   | 20.48   | 20.57   | 22.00   |
|           |            | 8       | 7         | 20.53   | 20.52   | 20.52   | 22.00   |
|           |            | 15      | 0         | 20.67   | 20.50   | 20.52   | 22.00   |
|           | 256QAM     | 1       | 0         | 18.42   | 18.33   | 18.51   | 20.00   |
|           |            | 1       | 7         | 18.33   | 18.44   | 18.51   | 20.00   |
|           |            | 1       | 14        | 18.45   | 18.70   | 18.41   | 20.00   |
|           |            | 8       | 0         | 18.48   | 18.36   | 18.51   | 20.00   |
|           |            | 8       | 4         | 18.37   | 18.46   | 18.56   | 20.00   |
|           |            | 8       | 7         | 18.57   | 18.43   | 18.48   | 20.00   |
|           |            | 15      | 0         | 18.48   | 18.55   | 18.60   | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26715   | 26865   | 27015   |         |
| 5MHz      | QPSK       | 1       | 0         | 23.05   | 22.85   | 23.01   | 24.50   |
|           |            | 1       | 13        | 23.02   | 22.85   | 22.89   | 24.50   |
|           |            | 1       | 24        | 22.92   | 22.82   | 22.86   | 24.50   |
|           |            | 12      | 0         | 22.56   | 22.36   | 22.59   | 24.00   |
|           |            | 12      | 6         | 22.41   | 22.44   | 22.64   | 24.00   |
|           |            | 12      | 13        | 22.27   | 22.58   | 22.34   | 24.00   |
|           |            | 25      | 0         | 22.52   | 22.40   | 22.54   | 24.00   |
|           | 16QAM      | 1       | 0         | 22.06   | 22.30   | 22.15   | 24.00   |
|           |            | 1       | 13        | 22.11   | 22.09   | 22.23   | 24.00   |
|           |            | 1       | 24        | 22.21   | 22.16   | 22.03   | 24.00   |
|           |            | 12      | 0         | 21.56   | 21.39   | 21.47   | 23.00   |
|           |            | 12      | 6         | 21.25   | 21.40   | 21.54   | 23.00   |
|           |            | 12      | 13        | 21.45   | 21.61   | 21.49   | 23.00   |
|           |            | 25      | 0         | 21.61   | 21.49   | 21.29   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.17   | 21.30   | 21.36   | 23.00   |
|           |            | 1       | 13        | 21.24   | 21.27   | 21.19   | 23.00   |



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

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

Report No.: SZCR240700286108

Page: 899 of 1531

|           |            |         |           |       |       |       |         |
|-----------|------------|---------|-----------|-------|-------|-------|---------|
|           |            | 1       | 24        | 21.24 | 21.11 | 21.18 | 23.00   |
|           |            | 12      | 0         | 20.64 | 20.53 | 20.49 | 22.00   |
|           |            | 12      | 6         | 20.50 | 20.42 | 20.38 | 22.00   |
|           |            | 12      | 13        | 20.43 | 20.52 | 20.43 | 22.00   |
|           |            | 25      | 0         | 20.59 | 20.50 | 20.46 | 22.00   |
|           | 256QAM     | 1       | 0         | 18.61 | 18.41 | 18.38 | 20.00   |
|           |            | 1       | 13        | 18.26 | 18.37 | 18.53 | 20.00   |
|           |            | 1       | 24        | 18.56 | 18.71 | 18.52 | 20.00   |
|           |            | 12      | 0         | 18.38 | 18.38 | 18.38 | 20.00   |
|           |            | 12      | 6         | 18.43 | 18.58 | 18.50 | 20.00   |
|           |            | 12      | 13        | 18.48 | 18.60 | 18.48 | 20.00   |
|           |            | 25      | 0         | 18.44 | 18.57 | 18.64 | 20.00   |
| Bandwidth | Modulation | RB size | RB offset |       |       |       | Tune up |
|           |            |         |           | 26740 | 26865 | 26990 |         |
| 10MHz     | QPSK       | 1       | 0         | 22.99 | 22.85 | 22.82 | 24.50   |
|           |            | 1       | 25        | 23.04 | 22.97 | 23.00 | 24.50   |
|           |            | 1       | 49        | 22.91 | 22.93 | 22.97 | 24.50   |
|           |            | 25      | 0         | 22.49 | 22.35 | 22.60 | 24.00   |
|           |            | 25      | 13        | 22.31 | 22.50 | 22.69 | 24.00   |
|           |            | 25      | 25        | 22.36 | 22.62 | 22.42 | 24.00   |
|           |            | 50      | 0         | 22.52 | 22.40 | 22.63 | 24.00   |
|           | 16QAM      | 1       | 0         | 22.18 | 22.20 | 22.22 | 24.00   |
|           |            | 1       | 25        | 22.14 | 22.15 | 22.21 | 24.00   |
|           |            | 1       | 49        | 22.29 | 22.19 | 22.09 | 24.00   |
|           |            | 25      | 0         | 21.71 | 21.52 | 21.47 | 23.00   |
|           |            | 25      | 13        | 21.40 | 21.38 | 21.39 | 23.00   |
|           |            | 25      | 25        | 21.46 | 21.57 | 21.54 | 23.00   |
|           |            | 50      | 0         | 21.56 | 21.66 | 21.33 | 23.00   |
|           | 64QAM      | 1       | 0         | 21.29 | 21.21 | 21.36 | 23.00   |
|           |            | 1       | 25        | 21.29 | 21.27 | 21.13 | 23.00   |
|           |            | 1       | 49        | 21.23 | 21.16 | 21.28 | 23.00   |
|           |            | 25      | 0         | 20.69 | 20.57 | 20.49 | 22.00   |
|           |            | 25      | 13        | 20.55 | 20.41 | 20.42 | 22.00   |
|           |            | 25      | 25        | 20.38 | 20.58 | 20.55 | 22.00   |
|           |            | 50      | 0         | 20.61 | 20.46 | 20.54 | 22.00   |
|           | 256QAM     | 1       | 0         | 18.44 | 18.37 | 18.40 | 20.00   |
|           |            | 1       | 25        | 18.30 | 18.49 | 18.50 | 20.00   |
|           |            | 1       | 49        | 18.53 | 18.54 | 18.59 | 20.00   |
|           |            | 25      | 0         | 18.55 | 18.48 | 18.53 | 20.00   |
|           |            | 25      | 13        | 18.44 | 18.50 | 18.56 | 20.00   |



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

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

Report No.: SZCR240700286108

Page: 900 of 1531

|           |            | 25      | 25        | 18.60   | 18.49   | 18.49   | 20.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 50      | 0         | 18.56   | 18.52   | 18.57   | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26765   | 26865   | 26965   |         |
| 15MHz     | QPSK       | 1       | 0         | 22.96   | 22.93   | 22.92   | 24.50   |
|           |            | 1       | 38        | 22.94   | 22.90   | 22.93   | 24.50   |
|           |            | 1       | 74        | 22.97   | 22.89   | 22.94   | 24.50   |
|           |            | 36      | 0         | 22.48   | 22.39   | 22.64   | 24.00   |
|           |            | 36      | 18        | 22.35   | 22.45   | 22.59   | 24.00   |
|           |            | 36      | 39        | 22.37   | 22.53   | 22.43   | 24.00   |
|           |            | 75      | 0         | 22.50   | 22.50   | 22.53   | 24.00   |
|           | 16QAM      | 1       | 0         | 22.14   | 22.23   | 22.13   | 24.00   |
|           |            | 1       | 38        | 22.08   | 22.05   | 22.20   | 24.00   |
|           |            | 1       | 74        | 22.26   | 22.14   | 22.08   | 24.00   |
|           |            | 36      | 0         | 21.62   | 21.42   | 21.44   | 23.00   |
|           |            | 36      | 18        | 21.33   | 21.36   | 21.48   | 23.00   |
|           |            | 36      | 39        | 21.55   | 21.53   | 21.50   | 23.00   |
|           |            | 75      | 0         | 21.54   | 21.58   | 21.37   | 23.00   |
|           | 64QAM      | 1       | 0         | 21.21   | 21.24   | 21.26   | 23.00   |
|           |            | 1       | 38        | 21.24   | 21.27   | 21.23   | 23.00   |
|           |            | 1       | 74        | 21.14   | 21.20   | 21.28   | 23.00   |
|           |            | 36      | 0         | 20.62   | 20.55   | 20.45   | 22.00   |
|           |            | 36      | 18        | 20.60   | 20.50   | 20.48   | 22.00   |
|           |            | 36      | 39        | 20.48   | 20.50   | 20.51   | 22.00   |
|           |            | 75      | 0         | 20.69   | 20.52   | 20.56   | 22.00   |
|           | 256QAM     | 1       | 0         | 18.52   | 18.43   | 18.43   | 20.00   |
|           |            | 1       | 38        | 18.35   | 18.46   | 18.50   | 20.00   |
|           |            | 1       | 74        | 18.55   | 18.62   | 18.51   | 20.00   |
|           |            | 36      | 0         | 18.47   | 18.46   | 18.45   | 20.00   |
|           |            | 36      | 18        | 18.34   | 18.56   | 18.50   | 20.00   |
|           |            | 36      | 39        | 18.50   | 18.52   | 18.57   | 20.00   |
|           |            | 75      | 0         | 18.49   | 18.53   | 18.61   | 20.00   |



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

Report No.: SZCR240700286108

Page: 901 of 1531

| LTE Band 26 DSI 8/9/10 |            |         |           | Conducted Power(dBm) |         |         |         |
|------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                        |            |         |           | 26697                | 26865   | 27033   |         |
| 1.4MHz                 | QPSK       | 1       | 0         | 19.82                | 19.87   | 19.99   | 21.50   |
|                        |            | 1       | 2         | 19.82                | 19.94   | 20.01   | 21.50   |
|                        |            | 1       | 5         | 19.99                | 19.88   | 19.98   | 21.50   |
|                        |            | 3       | 0         | 19.85                | 19.95   | 20.05   | 21.50   |
|                        |            | 3       | 2         | 20.04                | 19.92   | 20.03   | 21.50   |
|                        |            | 3       | 3         | 19.90                | 19.86   | 19.87   | 21.50   |
|                        |            | 6       | 0         | 19.91                | 19.83   | 20.04   | 21.50   |
|                        | 16QAM      | 1       | 0         | 19.86                | 19.91   | 19.85   | 21.50   |
|                        |            | 1       | 2         | 20.01                | 19.90   | 20.00   | 21.50   |
|                        |            | 1       | 5         | 19.99                | 20.08   | 19.88   | 21.50   |
|                        |            | 3       | 0         | 19.94                | 19.81   | 19.87   | 21.50   |
|                        |            | 3       | 2         | 19.89                | 19.89   | 19.95   | 21.50   |
|                        |            | 3       | 3         | 20.03                | 19.86   | 19.89   | 21.50   |
|                        |            | 6       | 0         | 19.99                | 19.88   | 19.96   | 21.50   |
|                        | 64QAM      | 1       | 0         | 19.88                | 19.94   | 19.96   | 21.50   |
|                        |            | 1       | 2         | 20.03                | 19.92   | 19.86   | 21.50   |
|                        |            | 1       | 5         | 19.88                | 19.89   | 19.93   | 21.50   |
|                        |            | 3       | 0         | 19.98                | 19.81   | 19.87   | 21.50   |
|                        |            | 3       | 2         | 19.95                | 19.92   | 19.93   | 21.50   |
|                        |            | 3       | 3         | 19.94                | 19.95   | 19.88   | 21.50   |
|                        |            | 6       | 0         | 19.93                | 19.96   | 19.98   | 21.50   |
|                        | 256QAM     | 1       | 0         | 18.54                | 18.52   | 18.45   | 20.00   |
|                        |            | 1       | 2         | 18.22                | 18.60   | 18.46   | 20.00   |
|                        |            | 1       | 5         | 18.46                | 18.56   | 18.51   | 20.00   |
|                        |            | 3       | 0         | 18.48                | 18.50   | 18.48   | 20.00   |
|                        |            | 3       | 2         | 18.34                | 18.51   | 18.34   | 20.00   |
|                        |            | 3       | 3         | 18.38                | 18.49   | 18.62   | 20.00   |
|                        |            | 6       | 0         | 18.44                | 18.37   | 18.68   | 20.00   |
| Bandwidth              | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 3MHz                   | QPSK       | 1       | 0         | 19.90                | 19.99   | 19.93   | 21.50   |
|                        |            | 1       | 7         | 19.92                | 19.91   | 19.93   | 21.50   |
|                        |            | 1       | 14        | 19.91                | 19.97   | 19.93   | 21.50   |
|                        |            | 8       | 0         | 19.91                | 20.08   | 19.87   | 21.50   |
|                        |            | 8       | 4         | 19.94                | 20.03   | 19.99   | 21.50   |
|                        |            | 8       | 7         | 19.99                | 19.89   | 19.82   | 21.50   |
|                        |            | 8       | 7         | 19.99                | 19.89   | 19.82   | 21.50   |



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

Report No.: SZCR240700286108

Page: 902 of 1531

|           |            | 15      | 0         | 19.90   | 19.85   | 20.02   | 21.50   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           | 16QAM      | 1       | 0         | 19.99   | 19.93   | 19.83   | 21.50   |
|           |            | 1       | 7         | 20.06   | 19.94   | 19.89   | 21.50   |
|           |            | 1       | 14        | 19.98   | 19.97   | 19.84   | 21.50   |
|           |            | 8       | 0         | 19.85   | 19.83   | 19.99   | 21.50   |
|           |            | 8       | 4         | 19.83   | 19.80   | 19.91   | 21.50   |
|           |            | 8       | 7         | 20.07   | 19.88   | 19.99   | 21.50   |
|           |            | 15      | 0         | 19.96   | 19.97   | 19.92   | 21.50   |
|           | 64QAM      | 1       | 0         | 19.86   | 19.95   | 20.07   | 21.50   |
|           |            | 1       | 7         | 20.04   | 20.04   | 19.89   | 21.50   |
|           |            | 1       | 14        | 19.93   | 19.95   | 20.02   | 21.50   |
|           |            | 8       | 0         | 19.90   | 19.87   | 19.97   | 21.50   |
|           |            | 8       | 4         | 20.05   | 19.88   | 19.93   | 21.50   |
|           |            | 8       | 7         | 19.91   | 19.91   | 20.01   | 21.50   |
|           |            | 15      | 0         | 19.89   | 19.78   | 19.90   | 21.50   |
|           | 256QAM     | 1       | 0         | 18.57   | 18.50   | 18.52   | 20.00   |
|           |            | 1       | 7         | 18.40   | 18.59   | 18.35   | 20.00   |
|           |            | 1       | 14        | 18.62   | 18.60   | 18.37   | 20.00   |
|           |            | 8       | 0         | 18.44   | 18.33   | 18.60   | 20.00   |
|           |            | 8       | 4         | 18.34   | 18.57   | 18.38   | 20.00   |
|           |            | 8       | 7         | 18.39   | 18.38   | 18.65   | 20.00   |
|           |            | 15      | 0         | 18.44   | 18.47   | 18.69   | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 26715   | 26865   | 27015   |         |
| 5MHz      | QPSK       | 1       | 0         | 19.89   | 19.99   | 19.83   | 21.50   |
|           |            | 1       | 13        | 19.82   | 19.83   | 19.94   | 21.50   |
|           |            | 1       | 24        | 19.93   | 20.00   | 19.96   | 21.50   |
|           |            | 12      | 0         | 19.96   | 19.92   | 20.02   | 21.50   |
|           |            | 12      | 6         | 19.87   | 19.84   | 19.94   | 21.50   |
|           |            | 12      | 13        | 19.86   | 19.95   | 19.83   | 21.50   |
|           |            | 25      | 0         | 20.07   | 19.93   | 19.84   | 21.50   |
|           | 16QAM      | 1       | 0         | 19.83   | 19.95   | 19.87   | 21.50   |
|           |            | 1       | 13        | 19.92   | 19.84   | 19.89   | 21.50   |
|           |            | 1       | 24        | 19.86   | 20.07   | 19.91   | 21.50   |
|           |            | 12      | 0         | 19.83   | 19.95   | 19.92   | 21.50   |
|           |            | 12      | 6         | 19.94   | 19.88   | 19.93   | 21.50   |
|           |            | 12      | 13        | 20.03   | 20.01   | 19.93   | 21.50   |
|           |            | 25      | 0         | 19.94   | 19.96   | 19.82   | 21.50   |
|           | 64QAM      | 1       | 0         | 19.85   | 20.00   | 19.99   | 21.50   |
|           |            | 1       | 13        | 19.86   | 20.01   | 19.92   | 21.50   |



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

Report No.: SZCR240700286108

Page: 903 of 1531

|           |            |         |           |       |       |       |         |
|-----------|------------|---------|-----------|-------|-------|-------|---------|
|           |            | 1       | 24        | 19.98 | 19.96 | 20.01 | 21.50   |
|           |            | 12      | 0         | 20.00 | 19.92 | 19.94 | 21.50   |
|           |            | 12      | 6         | 19.99 | 19.89 | 19.80 | 21.50   |
|           |            | 12      | 13        | 19.94 | 19.89 | 19.87 | 21.50   |
|           |            | 25      | 0         | 19.90 | 19.82 | 19.88 | 21.50   |
|           | 256QAM     | 1       | 0         | 18.56 | 18.50 | 18.51 | 20.00   |
|           |            | 1       | 13        | 18.33 | 18.56 | 18.37 | 20.00   |
|           |            | 1       | 24        | 18.49 | 18.57 | 18.46 | 20.00   |
|           |            | 12      | 0         | 18.48 | 18.36 | 18.61 | 20.00   |
|           |            | 12      | 6         | 18.31 | 18.68 | 18.34 | 20.00   |
|           |            | 12      | 13        | 18.45 | 18.34 | 18.65 | 20.00   |
|           |            | 25      | 0         | 18.58 | 18.47 | 18.71 | 20.00   |
| Bandwidth | Modulation | RB size | RB offset |       |       |       | Tune up |
|           |            |         |           | 26740 | 26865 | 26990 |         |
| 10MHz     | QPSK       | 1       | 0         | 20.00 | 19.89 | 19.87 | 21.50   |
|           |            | 1       | 25        | 19.85 | 20.00 | 19.85 | 21.50   |
|           |            | 1       | 49        | 19.97 | 19.97 | 19.92 | 21.50   |
|           |            | 25      | 0         | 19.92 | 20.03 | 19.90 | 21.50   |
|           |            | 25      | 13        | 19.90 | 19.86 | 20.01 | 21.50   |
|           |            | 25      | 25        | 19.94 | 20.01 | 19.82 | 21.50   |
|           |            | 50      | 0         | 19.94 | 19.99 | 20.03 | 21.50   |
|           | 16QAM      | 1       | 0         | 19.83 | 19.91 | 19.99 | 21.50   |
|           |            | 1       | 25        | 19.94 | 19.82 | 20.02 | 21.50   |
|           |            | 1       | 49        | 20.01 | 20.04 | 19.79 | 21.50   |
|           |            | 25      | 0         | 19.95 | 19.82 | 19.84 | 21.50   |
|           |            | 25      | 13        | 19.91 | 19.96 | 19.91 | 21.50   |
|           |            | 25      | 25        | 20.05 | 20.02 | 19.83 | 21.50   |
|           |            | 50      | 0         | 19.94 | 19.98 | 20.01 | 21.50   |
|           | 64QAM      | 1       | 0         | 20.01 | 19.94 | 20.02 | 21.50   |
|           |            | 1       | 25        | 19.96 | 19.94 | 19.86 | 21.50   |
|           |            | 1       | 49        | 20.04 | 19.79 | 20.01 | 21.50   |
|           |            | 25      | 0         | 20.00 | 19.84 | 19.98 | 21.50   |
|           |            | 25      | 13        | 19.99 | 19.94 | 19.93 | 21.50   |
|           |            | 25      | 25        | 19.87 | 19.94 | 19.90 | 21.50   |
|           |            | 50      | 0         | 19.99 | 19.89 | 19.86 | 21.50   |
|           | 256QAM     | 1       | 0         | 18.48 | 18.43 | 18.50 | 20.00   |
|           |            | 1       | 25        | 18.30 | 18.52 | 18.45 | 20.00   |
|           |            | 1       | 49        | 18.61 | 18.44 | 18.56 | 20.00   |
|           |            | 25      | 0         | 18.50 | 18.31 | 18.53 | 20.00   |
|           |            | 25      | 13        | 18.34 | 18.64 | 18.52 | 20.00   |



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