

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

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|           |            | 25      | 0         | 16.65   | 16.64   | 16.73   | 18.20   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 13        | 16.66   | 16.58   | 16.73   | 18.20   |
|           |            | 25      | 25        | 16.73   | 16.62   | 16.68   | 18.20   |
|           |            | 50      | 0         | 16.65   | 16.65   | 16.69   | 18.20   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 16.72   | 16.53   | 16.69   | 18.20   |
|           |            | 1       | 38        | 16.72   | 16.54   | 16.61   | 18.20   |
|           |            | 1       | 74        | 16.78   | 16.62   | 16.82   | 18.20   |
|           |            | 36      | 0         | 16.72   | 16.61   | 16.60   | 18.20   |
|           |            | 36      | 18        | 16.72   | 16.52   | 16.75   | 18.20   |
|           |            | 36      | 39        | 16.64   | 16.55   | 16.81   | 18.20   |
|           | 16QAM      | 75      | 0         | 16.67   | 16.51   | 16.73   | 18.20   |
|           |            | 1       | 0         | 16.57   | 16.71   | 16.68   | 18.20   |
|           |            | 1       | 38        | 16.65   | 16.57   | 16.63   | 18.20   |
|           |            | 1       | 74        | 16.74   | 16.58   | 16.72   | 18.20   |
|           |            | 36      | 0         | 16.71   | 16.73   | 16.67   | 18.20   |
|           |            | 36      | 18        | 16.59   | 16.61   | 16.66   | 18.20   |
|           | 64QAM      | 36      | 39        | 16.77   | 16.62   | 16.64   | 18.20   |
|           |            | 75      | 0         | 16.68   | 16.51   | 16.74   | 18.20   |
|           |            | 1       | 0         | 16.70   | 16.67   | 16.69   | 18.20   |
|           |            | 1       | 38        | 16.60   | 16.63   | 16.82   | 18.20   |
|           |            | 1       | 74        | 16.74   | 16.59   | 16.71   | 18.20   |
|           |            | 36      | 0         | 16.65   | 16.53   | 16.64   | 18.20   |
| 20MHz     | QPSK       | 36      | 18        | 16.60   | 16.55   | 16.77   | 18.20   |
|           |            | 36      | 39        | 16.62   | 16.58   | 16.59   | 18.20   |
|           |            | 75      | 0         | 16.67   | 16.52   | 16.75   | 18.20   |
|           | 16QAM      | 1       | 0         | 16.53   | 16.60   | 16.65   | 18.20   |
|           |            | 1       | 38        | 16.68   | 16.67   | 16.73   | 18.20   |
|           |            | 1       | 74        | 16.70   | 16.60   | 16.72   | 18.20   |
|           | 64QAM      | 36      | 0         | 16.64   | 16.58   | 16.60   | 18.20   |
|           |            | 36      | 18        | 16.71   | 16.57   | 16.70   | 18.20   |
|           |            | 36      | 39        | 16.59   | 16.56   | 16.69   | 18.20   |
|           |            | 75      | 0         | 16.72   | 16.57   | 16.69   | 18.20   |
|           | 256QAM     | 1       | 0         | 16.77   | 16.67   | 16.69   | 18.20   |
|           |            | 1       | 50        | 16.59   | 16.63   | 16.60   | 18.20   |
|           |            | 1       | 99        | 16.59   | 16.50   | 16.73   | 18.20   |
|           |            | 50      | 0         | 16.59   | 16.64   | 16.74   | 18.20   |
|           |            | 50      | 25        | 16.59   | 16.69   | 16.79   | 18.20   |
|           |            | 50      | 50        | 16.60   | 16.66   | 16.65   | 18.20   |
| 20MHz     | QPSK       | 100     | 0         | 16.62   | 16.51   | 16.64   | 18.20   |
|           | 16QAM      | 1       | 0         | 16.61   | 16.59   | 16.70   | 18.20   |
|           |            | 1       | 50        | 16.64   | 16.67   | 16.65   | 18.20   |
|           |            | 1       | 99        | 16.67   | 16.63   | 16.62   | 18.20   |
|           |            | 50      | 0         | 16.60   | 16.54   | 16.65   | 18.20   |
|           |            | 50      | 25        | 16.61   | 16.50   | 16.70   | 18.20   |
|           | 64QAM      | 50      | 50        | 16.60   | 16.66   | 16.68   | 18.20   |
|           |            | 100     | 0         | 16.65   | 16.65   | 16.75   | 18.20   |
|           |            | 1       | 0         | 16.75   | 16.53   | 16.74   | 18.20   |
|           |            | 1       | 50        | 16.61   | 16.58   | 16.60   | 18.20   |
|           |            | 1       | 99        | 16.59   | 16.69   | 16.75   | 18.20   |
|           |            | 50      | 0         | 16.68   | 16.62   | 16.63   | 18.20   |
| 20MHz     | 64QAM      | 50      | 25        | 16.67   | 16.57   | 16.80   | 18.20   |
|           |            | 50      | 50        | 16.57   | 16.61   | 16.74   | 18.20   |
|           |            | 100     | 0         | 16.64   | 16.52   | 16.61   | 18.20   |
|           | 256QAM     | 1       | 0         | 16.67   | 16.65   | 16.78   | 18.20   |
|           |            | 1       | 50        | 16.61   | 16.59   | 16.71   | 18.20   |
|           |            | 1       | 99        | 16.70   | 16.69   | 16.70   | 18.20   |
|           |            | 50      | 0         | 16.75   | 16.65   | 16.70   | 18.20   |



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|  |  |     |    |       |       |       |       |
|--|--|-----|----|-------|-------|-------|-------|
|  |  | 50  | 25 | 16.63 | 16.59 | 16.68 | 18.20 |
|  |  | 50  | 50 | 16.74 | 16.65 | 16.73 | 18.20 |
|  |  | 100 | 0  | 16.62 | 16.56 | 16.65 | 18.20 |

| LTE Band 2 -OM8443 DSI3 |            |         |           | Conducted Power(dBm) |                  |                  |         |
|-------------------------|------------|---------|-----------|----------------------|------------------|------------------|---------|
| Bandwidth               | Modulation | RB size | RB offset | Channel<br>18607     | Channel<br>18900 | Channel<br>19193 | Tune up |
| 1.4MHz                  | QPSK       | 1       | 0         | 17.55                | 17.56            | 17.82            | 19.20   |
|                         |            | 1       | 2         | 17.66                | 17.55            | 17.67            | 19.20   |
|                         |            | 1       | 5         | 17.66                | 17.56            | 17.63            | 19.20   |
|                         |            | 3       | 0         | 17.67                | 17.59            | 17.61            | 19.20   |
|                         |            | 3       | 2         | 17.63                | 17.55            | 17.81            | 19.20   |
|                         |            | 3       | 3         | 17.71                | 17.66            | 17.75            | 19.20   |
|                         | 16QAM      | 6       | 0         | 17.76                | 17.55            | 17.72            | 19.20   |
|                         |            | 1       | 0         | 17.60                | 17.65            | 17.76            | 19.20   |
|                         |            | 1       | 2         | 17.73                | 17.62            | 17.56            | 19.20   |
|                         |            | 1       | 5         | 17.61                | 17.67            | 17.73            | 19.20   |
|                         |            | 3       | 0         | 17.65                | 17.50            | 17.68            | 19.20   |
|                         |            | 3       | 2         | 17.66                | 17.58            | 17.76            | 19.20   |
|                         | 64QAM      | 3       | 3         | 17.76                | 17.63            | 17.67            | 19.20   |
|                         |            | 6       | 0         | 17.66                | 17.54            | 17.71            | 19.20   |
|                         |            | 1       | 0         | 17.69                | 17.56            | 17.59            | 19.20   |
|                         |            | 1       | 2         | 17.61                | 17.63            | 17.64            | 19.20   |
|                         |            | 1       | 5         | 17.69                | 17.69            | 17.79            | 19.20   |
|                         |            | 3       | 0         | 17.61                | 17.60            | 17.69            | 19.20   |
|                         | 256QAM     | 3       | 2         | 17.75                | 17.57            | 17.58            | 19.20   |
|                         |            | 3       | 3         | 17.55                | 17.57            | 17.70            | 19.20   |
|                         |            | 6       | 0         | 17.70                | 17.70            | 17.74            | 19.20   |
|                         |            | 1       | 0         | 17.67                | 17.61            | 17.74            | 19.20   |
|                         |            | 1       | 2         | 17.75                | 17.65            | 17.77            | 19.20   |
|                         |            | 1       | 5         | 17.68                | 17.59            | 17.60            | 19.20   |
| 3MHz                    | QPSK       | 3       | 0         | 17.56                | 17.55            | 17.75            | 19.20   |
|                         |            | 3       | 2         | 17.59                | 17.65            | 17.72            | 19.20   |
|                         |            | 3       | 3         | 17.68                | 17.56            | 17.75            | 19.20   |
|                         |            | 6       | 0         | 17.61                | 17.55            | 17.67            | 19.20   |
|                         | 16QAM      | 1       | 0         | 17.60                | 17.48            | 17.76            | 19.20   |
|                         |            | 1       | 7         | 17.68                | 17.55            | 17.70            | 19.20   |
|                         |            | 1       | 14        | 17.73                | 17.54            | 17.60            | 19.20   |
|                         |            | 8       | 0         | 17.72                | 17.59            | 17.61            | 19.20   |
|                         |            | 8       | 4         | 17.64                | 17.54            | 17.80            | 19.20   |
|                         |            | 8       | 7         | 17.78                | 17.62            | 17.81            | 19.20   |
|                         | 64QAM      | 15      | 0         | 17.75                | 17.57            | 17.70            | 19.20   |
|                         |            | 1       | 0         | 17.62                | 17.68            | 17.73            | 19.20   |
|                         |            | 1       | 7         | 17.74                | 17.63            | 17.64            | 19.20   |
|                         |            | 1       | 14        | 17.64                | 17.60            | 17.70            | 19.20   |
|                         |            | 8       | 0         | 17.66                | 17.51            | 17.62            | 19.20   |
|                         |            | 8       | 4         | 17.68                | 17.58            | 17.68            | 19.20   |
|                         | 256QAM     | 8       | 7         | 17.76                | 17.63            | 17.75            | 19.20   |
|                         |            | 15      | 0         | 17.66                | 17.56            | 17.64            | 19.20   |
|                         |            | 1       | 0         | 17.66                | 17.58            | 17.63            | 19.20   |
|                         |            | 1       | 7         | 17.69                | 17.62            | 17.64            | 19.20   |
|                         |            | 1       | 14        | 17.66                | 17.67            | 17.75            | 19.20   |
|                         |            | 8       | 0         | 17.61                | 17.65            | 17.73            | 19.20   |



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|           |            | 1       | 7         | 17.79            | 17.57            | 17.78            | 19.20   |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 1       | 14        | 17.65            | 17.65            | 17.60            | 19.20   |
|           |            | 8       | 0         | 17.58            | 17.56            | 17.73            | 19.20   |
|           |            | 8       | 4         | 17.64            | 17.66            | 17.70            | 19.20   |
|           |            | 8       | 7         | 17.68            | 17.55            | 17.79            | 19.20   |
|           |            | 15      | 0         | 17.60            | 17.61            | 17.64            | 19.20   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>18625 | Channel<br>18900 | Channel<br>19175 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 17.57            | 17.54            | 17.79            | 19.20   |
|           |            | 1       | 13        | 17.63            | 17.52            | 17.63            | 19.20   |
|           |            | 1       | 24        | 17.67            | 17.56            | 17.64            | 19.20   |
|           |            | 12      | 0         | 17.71            | 17.58            | 17.63            | 19.20   |
|           |            | 12      | 6         | 17.61            | 17.56            | 17.75            | 19.20   |
|           |            | 12      | 13        | 17.77            | 17.63            | 17.75            | 19.20   |
|           |            | 25      | 0         | 17.73            | 17.53            | 17.66            | 19.20   |
|           | 16QAM      | 1       | 0         | 17.62            | 17.64            | 17.70            | 19.20   |
|           |            | 1       | 13        | 17.73            | 17.65            | 17.56            | 19.20   |
|           |            | 1       | 24        | 17.65            | 17.62            | 17.72            | 19.20   |
|           |            | 12      | 0         | 17.61            | 17.54            | 17.70            | 19.20   |
|           |            | 12      | 6         | 17.70            | 17.56            | 17.71            | 19.20   |
|           |            | 12      | 13        | 17.76            | 17.59            | 17.73            | 19.20   |
|           |            | 25      | 0         | 17.68            | 17.51            | 17.67            | 19.20   |
|           | 64QAM      | 1       | 0         | 17.63            | 17.51            | 17.65            | 19.20   |
|           |            | 1       | 13        | 17.62            | 17.59            | 17.60            | 19.20   |
|           |            | 1       | 24        | 17.69            | 17.66            | 17.81            | 19.20   |
|           |            | 12      | 0         | 17.68            | 17.61            | 17.75            | 19.20   |
|           |            | 12      | 6         | 17.73            | 17.51            | 17.63            | 19.20   |
|           |            | 12      | 13        | 17.60            | 17.51            | 17.77            | 19.20   |
|           |            | 25      | 0         | 17.74            | 17.64            | 17.79            | 19.20   |
|           | 256QAM     | 1       | 0         | 17.67            | 17.53            | 17.75            | 19.20   |
|           |            | 1       | 13        | 17.79            | 17.63            | 17.71            | 19.20   |
|           |            | 1       | 24        | 17.65            | 17.62            | 17.64            | 19.20   |
|           |            | 12      | 0         | 17.57            | 17.54            | 17.74            | 19.20   |
|           |            | 12      | 6         | 17.59            | 17.65            | 17.73            | 19.20   |
|           |            | 12      | 13        | 17.65            | 17.56            | 17.78            | 19.20   |
|           |            | 25      | 0         | 17.62            | 17.59            | 17.66            | 19.20   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>18650 | Channel<br>18900 | Channel<br>19150 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 17.55            | 17.51            | 17.79            | 19.20   |
|           |            | 1       | 25        | 17.61            | 17.60            | 17.71            | 19.20   |
|           |            | 1       | 49        | 17.69            | 17.50            | 17.65            | 19.20   |
|           |            | 25      | 0         | 17.68            | 17.56            | 17.56            | 19.20   |
|           |            | 25      | 13        | 17.67            | 17.57            | 17.75            | 19.20   |
|           |            | 25      | 25        | 17.70            | 17.67            | 17.78            | 19.20   |
|           |            | 50      | 0         | 17.75            | 17.59            | 17.68            | 19.20   |
|           | 16QAM      | 1       | 0         | 17.58            | 17.61            | 17.71            | 19.20   |
|           |            | 1       | 25        | 17.69            | 17.66            | 17.56            | 19.20   |
|           |            | 1       | 49        | 17.57            | 17.67            | 17.66            | 19.20   |
|           |            | 25      | 0         | 17.63            | 17.57            | 17.69            | 19.20   |
|           |            | 25      | 13        | 17.66            | 17.55            | 17.68            | 19.20   |
|           |            | 25      | 25        | 17.76            | 17.65            | 17.69            | 19.20   |
|           |            | 50      | 0         | 17.68            | 17.54            | 17.69            | 19.20   |
|           | 64QAM      | 1       | 0         | 17.63            | 17.59            | 17.59            | 19.20   |
|           |            | 1       | 25        | 17.66            | 17.67            | 17.68            | 19.20   |
|           |            | 1       | 49        | 17.69            | 17.66            | 17.79            | 19.20   |
|           |            | 25      | 0         | 17.67            | 17.67            | 17.74            | 19.20   |
|           |            | 25      | 13        | 17.74            | 17.54            | 17.65            | 19.20   |
|           |            | 25      | 25        | 17.58            | 17.56            | 17.72            | 19.20   |
|           |            | 50      | 0         | 17.70            | 17.66            | 17.80            | 19.20   |
|           | 256QAM     | 1       | 0         | 17.69            | 17.57            | 17.75            | 19.20   |
|           |            | 1       | 25        | 17.74            | 17.60            | 17.74            | 19.20   |



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|           |            | 1       | 49        | 17.68   | 17.64   | 17.66   | 19.20   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 25      | 0         | 17.62   | 17.50   | 17.74   | 19.20   |
|           |            | 25      | 13        | 17.57   | 17.67   | 17.69   | 19.20   |
|           |            | 25      | 25        | 17.66   | 17.59   | 17.73   | 19.20   |
|           |            | 50      | 0         | 17.63   | 17.54   | 17.68   | 19.20   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 17.55   | 17.50   | 17.77   | 19.20   |
|           |            | 1       | 38        | 17.64   | 17.58   | 17.66   | 19.20   |
|           |            | 1       | 74        | 17.66   | 17.50   | 17.65   | 19.20   |
|           |            | 36      | 0         | 17.74   | 17.54   | 17.62   | 19.20   |
|           |            | 36      | 18        | 17.63   | 17.60   | 17.78   | 19.20   |
|           |            | 36      | 39        | 17.78   | 17.65   | 17.80   | 19.20   |
|           |            | 75      | 0         | 17.77   | 17.59   | 17.70   | 19.20   |
|           | 16QAM      | 1       | 0         | 17.56   | 17.66   | 17.70   | 19.20   |
|           |            | 1       | 38        | 17.69   | 17.61   | 17.56   | 19.20   |
|           |            | 1       | 74        | 17.64   | 17.59   | 17.70   | 19.20   |
|           |            | 36      | 0         | 17.67   | 17.56   | 17.66   | 19.20   |
|           |            | 36      | 18        | 17.67   | 17.56   | 17.73   | 19.20   |
|           |            | 36      | 39        | 17.70   | 17.61   | 17.75   | 19.20   |
|           |            | 75      | 0         | 17.70   | 17.52   | 17.63   | 19.20   |
|           | 64QAM      | 1       | 0         | 17.68   | 17.53   | 17.64   | 19.20   |
|           |            | 1       | 38        | 17.63   | 17.62   | 17.66   | 19.20   |
|           |            | 1       | 74        | 17.72   | 17.72   | 17.79   | 19.20   |
|           |            | 36      | 0         | 17.64   | 17.66   | 17.75   | 19.20   |
|           |            | 36      | 18        | 17.70   | 17.56   | 17.60   | 19.20   |
|           |            | 36      | 39        | 17.56   | 17.55   | 17.70   | 19.20   |
|           |            | 75      | 0         | 17.75   | 17.68   | 17.81   | 19.20   |
|           | 256QAM     | 1       | 0         | 17.68   | 17.58   | 17.73   | 19.20   |
|           |            | 1       | 38        | 17.72   | 17.57   | 17.73   | 19.20   |
|           |            | 1       | 74        | 17.65   | 17.66   | 17.63   | 19.20   |
|           |            | 36      | 0         | 17.60   | 17.52   | 17.77   | 19.20   |
|           |            | 36      | 18        | 17.58   | 17.64   | 17.67   | 19.20   |
|           |            | 36      | 39        | 17.65   | 17.61   | 17.75   | 19.20   |
|           |            | 75      | 0         | 17.58   | 17.62   | 17.64   | 19.20   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 17.63   | 17.53   | 17.78   | 19.20   |
|           |            | 1       | 50        | 17.67   | 17.53   | 17.65   | 19.20   |
|           |            | 1       | 99        | 17.67   | 17.50   | 17.60   | 19.20   |
|           |            | 50      | 0         | 17.68   | 17.56   | 17.62   | 19.20   |
|           |            | 50      | 25        | 17.63   | 17.56   | 17.74   | 19.20   |
|           |            | 50      | 50        | 17.75   | 17.68   | 17.74   | 19.20   |
|           |            | 100     | 0         | 17.78   | 17.55   | 17.66   | 19.20   |
|           | 16QAM      | 1       | 0         | 17.63   | 17.62   | 17.72   | 19.20   |
|           |            | 1       | 50        | 17.72   | 17.61   | 17.57   | 19.20   |
|           |            | 1       | 99        | 17.58   | 17.62   | 17.73   | 19.20   |
|           |            | 50      | 0         | 17.66   | 17.49   | 17.66   | 19.20   |
|           |            | 50      | 25        | 17.68   | 17.54   | 17.69   | 19.20   |
|           |            | 50      | 50        | 17.73   | 17.63   | 17.73   | 19.20   |
|           |            | 100     | 0         | 17.63   | 17.57   | 17.66   | 19.20   |
|           | 64QAM      | 1       | 0         | 17.69   | 17.54   | 17.60   | 19.20   |
|           |            | 1       | 50        | 17.64   | 17.66   | 17.62   | 19.20   |
|           |            | 1       | 99        | 17.67   | 17.67   | 17.78   | 19.20   |
|           |            | 50      | 0         | 17.65   | 17.67   | 17.75   | 19.20   |
|           |            | 50      | 25        | 17.75   | 17.51   | 17.57   | 19.20   |
|           |            | 50      | 50        | 17.57   | 17.53   | 17.76   | 19.20   |
|           |            | 100     | 0         | 17.76   | 17.64   | 17.75   | 19.20   |
|           | 256QAM     | 1       | 0         | 17.64   | 17.57   | 17.70   | 19.20   |
|           |            | 1       | 50        | 17.76   | 17.65   | 17.76   | 19.20   |
|           |            | 1       | 99        | 17.63   | 17.65   | 17.58   | 19.20   |



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|  |  |     |    |       |       |       |       |
|--|--|-----|----|-------|-------|-------|-------|
|  |  | 50  | 0  | 17.60 | 17.51 | 17.73 | 19.20 |
|  |  | 50  | 25 | 17.60 | 17.69 | 17.68 | 19.20 |
|  |  | 50  | 50 | 17.65 | 17.61 | 17.76 | 19.20 |
|  |  | 100 | 0  | 17.59 | 17.59 | 17.68 | 19.20 |

| LTE Band 2 -OM8443 DSI4 |            |         |           | Conducted Power(dBm) |                  |                  |         |
|-------------------------|------------|---------|-----------|----------------------|------------------|------------------|---------|
| Bandwidth               | Modulation | RB size | RB offset | Channel<br>18607     | Channel<br>18900 | Channel<br>19193 | Tune up |
| 1.4MHz                  | QPSK       | 1       | 0         | 21.13                | 20.98            | 21.28            | 22.70   |
|                         |            | 1       | 2         | 21.11                | 21.07            | 21.14            | 22.70   |
|                         |            | 1       | 5         | 21.19                | 21.00            | 21.15            | 22.70   |
|                         |            | 3       | 0         | 21.23                | 21.09            | 21.14            | 22.70   |
|                         |            | 3       | 2         | 21.15                | 21.08            | 21.24            | 22.70   |
|                         |            | 3       | 3         | 21.28                | 21.16            | 21.31            | 22.70   |
|                         | 16QAM      | 6       | 0         | 21.26                | 21.10            | 21.16            | 22.70   |
|                         |            | 1       | 0         | 21.06                | 21.11            | 21.20            | 22.70   |
|                         |            | 1       | 2         | 21.16                | 21.17            | 21.10            | 22.70   |
|                         |            | 1       | 5         | 21.10                | 21.12            | 21.16            | 22.70   |
|                         |            | 3       | 0         | 21.15                | 20.99            | 21.19            | 22.70   |
|                         |            | 3       | 2         | 21.21                | 21.02            | 21.25            | 22.70   |
|                         | 64QAM      | 3       | 3         | 21.21                | 21.11            | 21.25            | 22.70   |
|                         |            | 6       | 0         | 21.13                | 21.08            | 21.21            | 22.70   |
|                         |            | 1       | 0         | 21.16                | 21.04            | 21.15            | 22.70   |
|                         |            | 1       | 2         | 21.19                | 21.17            | 21.10            | 22.70   |
|                         |            | 1       | 5         | 21.23                | 21.23            | 21.24            | 22.70   |
|                         |            | 3       | 0         | 21.16                | 21.17            | 21.19            | 22.70   |
| 3MHz                    | QPSK       | 3       | 2         | 21.22                | 21.07            | 21.13            | 22.70   |
|                         |            | 3       | 3         | 21.08                | 21.04            | 21.25            | 22.70   |
|                         |            | 6       | 0         | 21.23                | 21.18            | 21.23            | 22.70   |
|                         | 16QAM      | 1       | 0         | 19.19                | 18.97            | 19.06            | 20.70   |
|                         |            | 1       | 2         | 19.48                | 19.09            | 18.85            | 20.70   |
|                         |            | 1       | 5         | 19.12                | 18.82            | 19.06            | 20.70   |
|                         | 256QAM     | 3       | 0         | 19.25                | 18.99            | 19.15            | 20.70   |
|                         |            | 3       | 2         | 19.07                | 18.93            | 19.01            | 20.70   |
|                         |            | 3       | 3         | 19.37                | 19.36            | 19.03            | 20.70   |
|                         |            | 6       | 0         | 19.44                | 19.06            | 19.38            | 20.70   |
|                         | 64QAM      | 1       | 0         | 21.12                | 21.03            | 21.32            | 22.70   |
|                         |            | 1       | 7         | 21.17                | 21.02            | 21.19            | 22.70   |
|                         |            | 1       | 14        | 21.21                | 21.05            | 21.10            | 22.70   |
|                         |            | 8       | 0         | 21.21                | 21.04            | 21.14            | 22.70   |
|                         |            | 8       | 4         | 21.17                | 21.06            | 21.25            | 22.70   |
|                         |            | 8       | 7         | 21.20                | 21.10            | 21.23            | 22.70   |
|                         | 16QAM      | 15      | 0         | 21.22                | 21.04            | 21.17            | 22.70   |
|                         |            | 1       | 0         | 21.13                | 21.13            | 21.25            | 22.70   |
|                         |            | 1       | 7         | 21.24                | 21.10            | 21.14            | 22.70   |
|                         |            | 1       | 14        | 21.14                | 21.09            | 21.20            | 22.70   |
|                         |            | 8       | 0         | 21.15                | 21.00            | 21.15            | 22.70   |
|                         |            | 8       | 4         | 21.16                | 21.06            | 21.24            | 22.70   |
|                         | 64QAM      | 8       | 7         | 21.24                | 21.15            | 21.20            | 22.70   |
|                         |            | 15      | 0         | 21.17                | 21.00            | 21.16            | 22.70   |
|                         |            | 1       | 0         | 21.18                | 21.07            | 21.15            | 22.70   |
|                         |            | 1       | 7         | 21.11                | 21.14            | 21.14            | 22.70   |
|                         |            | 1       | 14        | 21.16                | 21.17            | 21.23            | 22.70   |
|                         |            | 8       | 0         | 21.11                | 21.18            | 21.19            | 22.70   |
|                         |            | 8       | 4         | 21.25                | 21.01            | 21.09            | 22.70   |
|                         |            | 8       | 7         | 21.07                | 21.08            | 21.21            | 22.70   |
|                         |            | 15      | 0         | 21.24                | 21.18            | 21.24            | 22.70   |



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|           |            | 1       | 0         | 19.20            | 19.01            | 19.04            | 20.70   |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 1       | 7         | 19.40            | 19.02            | 18.90            | 20.70   |
|           |            | 1       | 14        | 19.03            | 18.87            | 19.05            | 20.70   |
|           | 256QAM     | 8       | 0         | 19.26            | 19.04            | 19.27            | 20.70   |
|           |            | 8       | 4         | 19.18            | 18.94            | 19.12            | 20.70   |
|           |            | 8       | 7         | 19.39            | 19.30            | 19.08            | 20.70   |
|           |            | 15      | 0         | 19.44            | 19.13            | 19.24            | 20.70   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>18625 | Channel<br>18900 | Channel<br>19175 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 21.08            | 21.06            | 21.28            | 22.70   |
|           |            | 1       | 13        | 21.18            | 21.10            | 21.17            | 22.70   |
|           |            | 1       | 24        | 21.16            | 21.05            | 21.10            | 22.70   |
|           |            | 12      | 0         | 21.24            | 21.08            | 21.14            | 22.70   |
|           |            | 12      | 6         | 21.14            | 21.09            | 21.24            | 22.70   |
|           |            | 12      | 13        | 21.20            | 21.16            | 21.23            | 22.70   |
|           |            | 25      | 0         | 21.27            | 21.09            | 21.19            | 22.70   |
|           | 16QAM      | 1       | 0         | 21.07            | 21.18            | 21.27            | 22.70   |
|           |            | 1       | 13        | 21.23            | 21.12            | 21.06            | 22.70   |
|           |            | 1       | 24        | 21.10            | 21.12            | 21.24            | 22.70   |
|           |            | 12      | 0         | 21.17            | 21.03            | 21.16            | 22.70   |
|           |            | 12      | 6         | 21.15            | 21.09            | 21.21            | 22.70   |
|           |            | 12      | 13        | 21.22            | 21.11            | 21.25            | 22.70   |
|           |            | 25      | 0         | 21.14            | 21.06            | 21.18            | 22.70   |
|           | 64QAM      | 1       | 0         | 21.16            | 21.01            | 21.13            | 22.70   |
|           |            | 1       | 13        | 21.12            | 21.15            | 21.15            | 22.70   |
|           |            | 1       | 24        | 21.18            | 21.16            | 21.31            | 22.70   |
|           |            | 12      | 0         | 21.14            | 21.16            | 21.25            | 22.70   |
|           |            | 12      | 6         | 21.17            | 21.06            | 21.08            | 22.70   |
|           |            | 12      | 13        | 21.06            | 21.00            | 21.21            | 22.70   |
|           |            | 25      | 0         | 21.27            | 21.21            | 21.29            | 22.70   |
|           | 256QAM     | 1       | 0         | 19.15            | 19.07            | 19.13            | 20.70   |
|           |            | 1       | 13        | 19.43            | 18.99            | 19.06            | 20.70   |
|           |            | 1       | 24        | 19.10            | 18.94            | 19.05            | 20.70   |
|           |            | 12      | 0         | 19.35            | 19.10            | 19.33            | 20.70   |
|           |            | 12      | 6         | 19.19            | 18.99            | 18.96            | 20.70   |
|           |            | 12      | 13        | 19.34            | 19.25            | 19.02            | 20.70   |
|           |            | 25      | 0         | 19.35            | 19.14            | 19.36            | 20.70   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>18650 | Channel<br>18900 | Channel<br>19150 | Tune up |
| 10MHz     | QPSK       | 1       | 0         | 21.11            | 21.03            | 21.28            | 22.70   |
|           |            | 1       | 25        | 21.17            | 21.10            | 21.14            | 22.70   |
|           |            | 1       | 49        | 21.21            | 21.00            | 21.11            | 22.70   |
|           |            | 25      | 0         | 21.16            | 21.09            | 21.09            | 22.70   |
|           |            | 25      | 13        | 21.10            | 21.11            | 21.30            | 22.70   |
|           |            | 25      | 25        | 21.20            | 21.14            | 21.23            | 22.70   |
|           |            | 50      | 0         | 21.21            | 21.11            | 21.17            | 22.70   |
|           | 16QAM      | 1       | 0         | 21.10            | 21.16            | 21.24            | 22.70   |
|           |            | 1       | 25        | 21.22            | 21.17            | 21.07            | 22.70   |
|           |            | 1       | 49        | 21.13            | 21.09            | 21.23            | 22.70   |
|           |            | 25      | 0         | 21.14            | 21.06            | 21.20            | 22.70   |
|           |            | 25      | 13        | 21.14            | 21.06            | 21.26            | 22.70   |
|           |            | 25      | 25        | 21.28            | 21.13            | 21.17            | 22.70   |
|           |            | 50      | 0         | 21.21            | 21.07            | 21.17            | 22.70   |
|           | 64QAM      | 1       | 0         | 21.12            | 21.09            | 21.11            | 22.70   |
|           |            | 1       | 25        | 21.11            | 21.13            | 21.13            | 22.70   |
|           |            | 1       | 49        | 21.23            | 21.19            | 21.30            | 22.70   |
|           |            | 25      | 0         | 21.10            | 21.17            | 21.25            | 22.70   |
|           |            | 25      | 13        | 21.25            | 21.05            | 21.11            | 22.70   |
|           |            | 25      | 25        | 21.04            | 21.07            | 21.22            | 22.70   |
|           |            | 50      | 0         | 21.23            | 21.17            | 21.24            | 22.70   |
|           | 256QAM     | 1       | 0         | 19.19            | 19.10            | 19.03            | 20.70   |



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|           |            | 1       | 25        | 19.37   | 19.08   | 19.07   | 20.70   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 49        | 19.20   | 19.04   | 19.02   | 20.70   |
|           |            | 25      | 0         | 19.27   | 19.12   | 19.23   | 20.70   |
|           |            | 25      | 13        | 19.24   | 19.06   | 19.09   | 20.70   |
|           |            | 25      | 25        | 19.21   | 19.23   | 19.06   | 20.70   |
|           |            | 50      | 0         | 19.34   | 19.05   | 19.24   | 20.70   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
| 15MHz     | QPSK       | 1       | 0         | 21.08   | 21.02   | 21.25   | 22.70   |
|           |            | 1       | 38        | 21.12   | 21.07   | 21.19   | 22.70   |
|           |            | 1       | 74        | 21.19   | 21.06   | 21.12   | 22.70   |
|           |            | 36      | 0         | 21.19   | 21.03   | 21.06   | 22.70   |
|           |            | 36      | 18        | 21.10   | 21.08   | 21.27   | 22.70   |
|           |            | 36      | 39        | 21.28   | 21.11   | 21.26   | 22.70   |
|           |            | 75      | 0         | 21.24   | 21.04   | 21.24   | 22.70   |
|           | 16QAM      | 1       | 0         | 21.08   | 21.13   | 21.26   | 22.70   |
|           |            | 1       | 38        | 21.17   | 21.14   | 21.12   | 22.70   |
|           |            | 1       | 74        | 21.12   | 21.10   | 21.24   | 22.70   |
|           |            | 36      | 0         | 21.16   | 21.07   | 21.18   | 22.70   |
|           |            | 36      | 18        | 21.20   | 21.04   | 21.19   | 22.70   |
|           |            | 36      | 39        | 21.20   | 21.12   | 21.21   | 22.70   |
|           |            | 75      | 0         | 21.16   | 21.04   | 21.16   | 22.70   |
|           | 64QAM      | 1       | 0         | 21.12   | 21.01   | 21.10   | 22.70   |
|           |            | 1       | 38        | 21.16   | 21.10   | 21.17   | 22.70   |
|           |            | 1       | 74        | 21.16   | 21.24   | 21.26   | 22.70   |
|           |            | 36      | 0         | 21.12   | 21.18   | 21.25   | 22.70   |
|           |            | 36      | 18        | 21.24   | 21.03   | 21.07   | 22.70   |
|           |            | 36      | 39        | 21.03   | 21.01   | 21.23   | 22.70   |
|           |            | 75      | 0         | 21.28   | 21.17   | 21.31   | 22.70   |
|           | 256QAM     | 1       | 0         | 19.26   | 19.21   | 19.12   | 20.70   |
|           |            | 1       | 38        | 19.35   | 19.08   | 19.19   | 20.70   |
|           |            | 1       | 74        | 19.27   | 19.11   | 19.15   | 20.70   |
|           |            | 36      | 0         | 19.13   | 19.07   | 19.13   | 20.70   |
|           |            | 36      | 18        | 19.13   | 19.09   | 19.14   | 20.70   |
|           |            | 36      | 39        | 19.11   | 19.14   | 19.07   | 20.70   |
|           |            | 75      | 0         | 19.28   | 19.12   | 19.26   | 20.70   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
| 20MHz     | QPSK       | 1       | 0         | 21.23   | 21.10   | 21.31   | 22.70   |
|           |            | 1       | 50        | 21.18   | 21.05   | 21.19   | 22.70   |
|           |            | 1       | 99        | 21.20   | 21.03   | 21.10   | 22.70   |
|           |            | 50      | 0         | 21.23   | 21.03   | 21.31   | 22.70   |
|           |            | 50      | 25        | 21.10   | 21.11   | 21.24   | 22.70   |
|           |            | 50      | 50        | 21.27   | 21.15   | 21.29   | 22.70   |
|           |            | 100     | 0         | 21.24   | 21.03   | 21.16   | 22.70   |
|           | 16QAM      | 1       | 0         | 21.10   | 21.14   | 21.24   | 22.70   |
|           |            | 1       | 50        | 21.19   | 21.16   | 21.10   | 22.70   |
|           |            | 1       | 99        | 21.10   | 21.16   | 21.21   | 22.70   |
|           |            | 50      | 0         | 21.16   | 21.01   | 21.18   | 22.70   |
|           |            | 50      | 25        | 21.14   | 21.06   | 21.24   | 22.70   |
|           |            | 50      | 50        | 21.24   | 21.13   | 21.24   | 22.70   |
|           |            | 100     | 0         | 21.16   | 21.07   | 21.15   | 22.70   |
|           | 64QAM      | 1       | 0         | 21.11   | 21.08   | 21.07   | 22.70   |
|           |            | 1       | 50        | 21.14   | 21.16   | 21.16   | 22.70   |
|           |            | 1       | 99        | 21.21   | 21.18   | 21.26   | 22.70   |
|           |            | 50      | 0         | 21.13   | 21.12   | 21.23   | 22.70   |
|           |            | 50      | 25        | 21.21   | 20.99   | 21.14   | 22.70   |
|           |            | 50      | 50        | 21.11   | 21.08   | 21.28   | 22.70   |
|           |            | 100     | 0         | 21.27   | 21.13   | 21.30   | 22.70   |
|           | 256QAM     | 1       | 0         | 19.30   | 19.16   | 19.21   | 20.70   |
|           |            | 1       | 50        | 19.30   | 19.18   | 19.24   | 20.70   |



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|  |  |     |    |       |       |       |       |
|--|--|-----|----|-------|-------|-------|-------|
|  |  | 1   | 99 | 19.16 | 19.14 | 19.12 | 20.70 |
|  |  | 50  | 0  | 19.20 | 19.11 | 19.16 | 20.70 |
|  |  | 50  | 25 | 19.08 | 19.05 | 19.12 | 20.70 |
|  |  | 50  | 50 | 19.22 | 19.15 | 19.23 | 20.70 |
|  |  | 100 | 0  | 19.21 | 19.14 | 19.21 | 20.70 |

| LTE Band 2 -QM77051 DSI0 |            |         |           | Conducted Power(dBm) |                  |                  |         |
|--------------------------|------------|---------|-----------|----------------------|------------------|------------------|---------|
| Bandwidth                | Modulation | RB size | RB offset | Channel<br>18607     | Channel<br>18900 | Channel<br>19193 | Tune up |
| 1.4MHz                   | QPSK       | 1       | 0         | 24.58                | 24.00            | 24.12            | 25.00   |
|                          |            | 1       | 2         | 24.22                | 24.40            | 24.18            | 25.00   |
|                          |            | 1       | 5         | 24.10                | 24.19            | 24.39            | 25.00   |
|                          |            | 3       | 0         | 24.12                | 24.07            | 24.12            | 25.00   |
|                          |            | 3       | 2         | 24.14                | 24.24            | 24.07            | 25.00   |
|                          |            | 3       | 3         | 24.08                | 24.19            | 24.21            | 25.00   |
|                          |            | 6       | 0         | 23.11                | 22.87            | 22.71            | 24.00   |
|                          | 16QAM      | 1       | 0         | 22.90                | 22.62            | 22.76            | 24.00   |
|                          |            | 1       | 2         | 22.97                | 22.98            | 22.89            | 24.00   |
|                          |            | 1       | 5         | 23.20                | 23.37            | 22.97            | 24.00   |
|                          |            | 3       | 0         | 22.99                | 22.89            | 23.02            | 24.00   |
|                          |            | 3       | 2         | 23.17                | 22.81            | 23.19            | 24.00   |
|                          |            | 3       | 3         | 23.22                | 23.08            | 23.13            | 24.00   |
|                          |            | 6       | 0         | 21.86                | 21.93            | 21.91            | 23.00   |
|                          | 64QAM      | 1       | 0         | 21.98                | 21.89            | 22.16            | 23.00   |
|                          |            | 1       | 2         | 21.82                | 21.87            | 22.04            | 23.00   |
|                          |            | 1       | 5         | 21.99                | 22.00            | 22.13            | 23.00   |
|                          |            | 3       | 0         | 22.22                | 22.04            | 22.18            | 23.00   |
|                          |            | 3       | 2         | 22.09                | 21.85            | 22.23            | 23.00   |
|                          |            | 3       | 3         | 22.26                | 22.08            | 21.96            | 23.00   |
|                          |            | 6       | 0         | 21.05                | 21.12            | 21.29            | 22.00   |
|                          | 256QAM     | 1       | 0         | 18.99                | 19.04            | 18.84            | 20.00   |
|                          |            | 1       | 2         | 19.02                | 18.99            | 18.83            | 20.00   |
|                          |            | 1       | 5         | 19.25                | 19.02            | 18.93            | 20.00   |
|                          |            | 3       | 0         | 19.07                | 19.16            | 18.97            | 20.00   |
|                          |            | 3       | 2         | 18.73                | 18.72            | 18.99            | 20.00   |
|                          |            | 3       | 3         | 18.96                | 18.92            | 18.91            | 20.00   |
|                          |            | 6       | 0         | 18.99                | 19.06            | 19.12            | 20.00   |
| Bandwidth                | Modulation | RB size | RB offset | Channel<br>18615     | Channel<br>18900 | Channel<br>19185 | Tune up |
| 3MHz                     | QPSK       | 1       | 0         | 24.54                | 24.10            | 24.21            | 25.00   |
|                          |            | 1       | 7         | 24.18                | 24.35            | 24.22            | 25.00   |
|                          |            | 1       | 14        | 24.16                | 24.13            | 24.42            | 25.00   |
|                          |            | 8       | 0         | 23.07                | 22.97            | 23.17            | 24.00   |
|                          |            | 8       | 4         | 23.23                | 23.16            | 23.14            | 24.00   |
|                          |            | 8       | 7         | 23.14                | 23.14            | 23.14            | 24.00   |
|                          | 16QAM      | 15      | 0         | 23.08                | 22.93            | 22.77            | 24.00   |
|                          |            | 1       | 0         | 22.84                | 22.68            | 22.83            | 24.00   |
|                          |            | 1       | 7         | 22.91                | 22.88            | 22.99            | 24.00   |
|                          |            | 1       | 14        | 23.30                | 23.27            | 23.07            | 24.00   |
|                          |            | 8       | 0         | 22.00                | 21.92            | 22.09            | 23.00   |
|                          |            | 8       | 4         | 22.10                | 21.87            | 22.16            | 23.00   |
|                          |            | 8       | 7         | 22.17                | 22.12            | 22.15            | 23.00   |
|                          |            | 15      | 0         | 21.94                | 21.90            | 21.99            | 23.00   |
|                          | 64QAM      | 1       | 0         | 21.96                | 21.98            | 22.13            | 23.00   |
|                          |            | 1       | 7         | 21.92                | 21.78            | 22.08            | 23.00   |
|                          |            | 1       | 14        | 21.94                | 22.01            | 22.16            | 23.00   |
|                          |            | 8       | 0         | 21.15                | 21.11            | 21.15            | 22.00   |
|                          |            | 8       | 4         | 21.05                | 20.94            | 21.29            | 22.00   |
|                          |            | 8       | 7         | 21.17                | 21.08            | 20.96            | 22.00   |



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|           | 256QAM     | 15      | 0         | 21.07   | 21.11   | 21.38   | 22.00   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 0         | 18.97   | 18.98   | 18.85   | 20.00   |
|           |            | 1       | 7         | 18.94   | 18.95   | 18.82   | 20.00   |
|           |            | 1       | 14        | 19.16   | 19.01   | 19.00   | 20.00   |
|           |            | 8       | 0         | 19.07   | 19.20   | 19.04   | 20.00   |
|           |            | 8       | 4         | 18.78   | 18.67   | 18.93   | 20.00   |
|           |            | 8       | 7         | 19.02   | 19.02   | 18.92   | 20.00   |
|           |            | 15      | 0         | 19.00   | 18.99   | 19.19   | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 24.46   | 24.16   | 24.24   | 25.00   |
|           |            | 1       | 13        | 24.09   | 24.30   | 24.30   | 25.00   |
|           |            | 1       | 24        | 24.15   | 24.19   | 24.38   | 25.00   |
|           |            | 12      | 0         | 23.10   | 22.92   | 23.13   | 24.00   |
|           |            | 12      | 6         | 23.18   | 23.14   | 23.20   | 24.00   |
|           |            | 12      | 13        | 23.20   | 23.06   | 23.22   | 24.00   |
|           |            | 25      | 0         | 23.06   | 22.94   | 22.77   | 24.00   |
|           | 16QAM      | 1       | 0         | 22.88   | 22.69   | 22.93   | 24.00   |
|           |            | 1       | 13        | 22.98   | 22.97   | 22.90   | 24.00   |
|           |            | 1       | 24        | 23.26   | 23.19   | 23.10   | 24.00   |
|           |            | 12      | 0         | 21.94   | 22.02   | 22.12   | 23.00   |
|           |            | 12      | 6         | 22.15   | 21.92   | 22.14   | 23.00   |
|           |            | 12      | 13        | 22.08   | 22.08   | 22.15   | 23.00   |
|           |            | 25      | 0         | 21.94   | 21.92   | 21.94   | 23.00   |
|           | 64QAM      | 1       | 0         | 22.03   | 21.94   | 22.03   | 23.00   |
|           |            | 1       | 13        | 21.97   | 21.76   | 22.12   | 23.00   |
|           |            | 1       | 24        | 21.97   | 21.91   | 22.06   | 23.00   |
|           |            | 12      | 0         | 21.16   | 21.21   | 21.18   | 22.00   |
|           |            | 12      | 6         | 21.08   | 21.04   | 21.26   | 22.00   |
|           |            | 12      | 13        | 21.18   | 21.05   | 21.01   | 22.00   |
|           |            | 25      | 0         | 21.12   | 21.18   | 21.31   | 22.00   |
|           | 256QAM     | 1       | 0         | 19.06   | 18.93   | 18.84   | 20.00   |
|           |            | 1       | 13        | 19.04   | 18.87   | 18.92   | 20.00   |
|           |            | 1       | 24        | 19.21   | 19.07   | 19.06   | 20.00   |
|           |            | 12      | 0         | 19.08   | 19.14   | 19.08   | 20.00   |
|           |            | 12      | 6         | 18.88   | 18.75   | 18.88   | 20.00   |
|           |            | 12      | 13        | 19.03   | 19.09   | 19.00   | 20.00   |
|           |            | 25      | 0         | 19.07   | 19.08   | 19.10   | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 24.38   | 24.24   | 24.14   | 25.00   |
|           |            | 1       | 25        | 24.14   | 24.26   | 24.31   | 25.00   |
|           |            | 1       | 49        | 24.10   | 24.24   | 24.35   | 25.00   |
|           |            | 25      | 0         | 23.00   | 23.01   | 23.10   | 24.00   |
|           |            | 25      | 13        | 23.26   | 23.21   | 23.27   | 24.00   |
|           |            | 25      | 25        | 23.23   | 23.11   | 23.25   | 24.00   |
|           |            | 50      | 0         | 22.99   | 22.88   | 22.84   | 24.00   |
|           | 16QAM      | 1       | 0         | 22.91   | 22.71   | 22.96   | 24.00   |
|           |            | 1       | 25        | 23.08   | 23.02   | 22.87   | 24.00   |
|           |            | 1       | 49        | 23.26   | 23.11   | 23.06   | 24.00   |
|           |            | 25      | 0         | 21.86   | 22.08   | 22.05   | 23.00   |
|           |            | 25      | 13        | 22.06   | 21.96   | 22.10   | 23.00   |
|           |            | 25      | 25        | 22.08   | 22.10   | 22.12   | 23.00   |
|           |            | 50      | 0         | 21.94   | 22.02   | 21.91   | 23.00   |
|           | 64QAM      | 1       | 0         | 22.05   | 21.84   | 22.04   | 23.00   |
|           |            | 1       | 25        | 22.02   | 21.82   | 22.04   | 23.00   |
|           |            | 1       | 49        | 22.00   | 21.83   | 22.02   | 23.00   |
|           |            | 25      | 0         | 21.18   | 21.17   | 21.13   | 22.00   |
|           |            | 25      | 13        | 21.09   | 21.14   | 21.18   | 22.00   |
|           |            | 25      | 25        | 21.26   | 21.13   | 21.03   | 22.00   |
|           |            | 50      | 0         | 21.20   | 21.08   | 21.22   | 22.00   |



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|           |            | 1       | 0         | 19.00            | 18.93            | 18.93            | 20.00   |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 1       | 25        | 19.11            | 18.86            | 18.99            | 20.00   |
|           |            | 1       | 49        | 19.12            | 19.03            | 19.09            | 20.00   |
|           | 256QAM     | 25      | 0         | 19.09            | 19.16            | 19.04            | 20.00   |
|           |            | 25      | 13        | 18.80            | 18.80            | 18.81            | 20.00   |
|           |            | 25      | 25        | 18.99            | 19.10            | 19.09            | 20.00   |
|           |            | 50      | 0         | 19.07            | 19.17            | 19.03            | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>18675 | Channel<br>18900 | Channel<br>19125 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 24.33            | 24.14            | 24.14            | 25.00   |
|           |            | 1       | 38        | 24.20            | 24.29            | 24.28            | 25.00   |
|           |            | 1       | 74        | 24.12            | 24.20            | 24.25            | 25.00   |
|           |            | 36      | 0         | 23.04            | 22.95            | 23.13            | 24.00   |
|           |            | 36      | 18        | 23.16            | 23.20            | 23.19            | 24.00   |
|           |            | 36      | 39        | 23.15            | 23.14            | 23.27            | 24.00   |
|           |            | 75      | 0         | 22.94            | 22.83            | 22.87            | 24.00   |
|           | 16QAM      | 1       | 0         | 22.89            | 22.81            | 22.88            | 24.00   |
|           |            | 1       | 38        | 23.10            | 23.04            | 22.94            | 24.00   |
|           |            | 1       | 74        | 23.18            | 23.09            | 23.07            | 24.00   |
|           |            | 36      | 0         | 21.96            | 22.07            | 22.05            | 23.00   |
|           |            | 36      | 18        | 21.98            | 21.96            | 22.01            | 23.00   |
|           |            | 36      | 39        | 22.12            | 22.12            | 22.17            | 23.00   |
|           |            | 75      | 0         | 22.00            | 22.00            | 21.98            | 23.00   |
|           | 64QAM      | 1       | 0         | 22.06            | 21.90            | 22.10            | 23.00   |
|           |            | 1       | 38        | 22.04            | 21.86            | 22.01            | 23.00   |
|           |            | 1       | 74        | 21.99            | 21.87            | 22.08            | 23.00   |
|           |            | 36      | 0         | 21.08            | 21.18            | 21.03            | 22.00   |
|           |            | 36      | 18        | 21.10            | 21.10            | 21.16            | 22.00   |
|           |            | 36      | 39        | 21.19            | 21.10            | 21.10            | 22.00   |
|           |            | 75      | 0         | 21.14            | 21.11            | 21.27            | 22.00   |
|           | 256QAM     | 1       | 0         | 19.07            | 18.90            | 18.93            | 20.00   |
|           |            | 1       | 38        | 19.14            | 18.96            | 19.00            | 20.00   |
|           |            | 1       | 74        | 19.22            | 19.00            | 19.19            | 20.00   |
|           |            | 36      | 0         | 19.10            | 19.13            | 19.09            | 20.00   |
|           |            | 36      | 18        | 18.90            | 18.86            | 18.89            | 20.00   |
|           |            | 36      | 39        | 18.95            | 19.03            | 19.06            | 20.00   |
|           |            | 75      | 0         | 19.14            | 19.08            | 18.99            | 20.00   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>18700 | Channel<br>18900 | Channel<br>19100 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 24.28            | 24.20            | 24.21            | 25.00   |
|           |            | 1       | 50        | 24.22            | 24.21            | 24.30            | 25.00   |
|           |            | 1       | 99        | 24.18            | 24.10            | 24.17            | 25.00   |
|           |            | 50      | 0         | 23.07            | 23.04            | 23.12            | 24.00   |
|           |            | 50      | 25        | 23.21            | 23.14            | 23.17            | 24.00   |
|           |            | 50      | 50        | 23.16            | 23.10            | 23.18            | 24.00   |
|           |            | 100     | 0         | 22.90            | 22.87            | 22.92            | 24.00   |
|           | 16QAM      | 1       | 0         | 22.92            | 22.90            | 22.92            | 24.00   |
|           |            | 1       | 50        | 23.05            | 22.96            | 23.03            | 24.00   |
|           |            | 1       | 99        | 23.11            | 23.10            | 23.17            | 24.00   |
|           |            | 50      | 0         | 22.04            | 22.03            | 22.11            | 23.00   |
|           |            | 50      | 25        | 22.08            | 22.04            | 22.08            | 23.00   |
|           |            | 50      | 50        | 22.18            | 22.10            | 22.16            | 23.00   |
|           |            | 100     | 0         | 22.07            | 22.02            | 22.03            | 23.00   |
|           | 64QAM      | 1       | 0         | 22.01            | 22.00            | 22.05            | 23.00   |
|           |            | 1       | 50        | 21.95            | 21.90            | 21.91            | 23.00   |
|           |            | 1       | 99        | 21.97            | 21.92            | 21.98            | 23.00   |
|           |            | 50      | 0         | 21.11            | 21.08            | 21.10            | 22.00   |
|           |            | 50      | 25        | 21.14            | 21.10            | 21.14            | 22.00   |
|           |            | 50      | 50        | 21.12            | 21.03            | 21.06            | 22.00   |
|           |            | 100     | 0         | 21.13            | 21.12            | 21.18            | 22.00   |
|           | 256QAM     | 1       | 0         | 19.03            | 18.94            | 18.99            | 20.00   |



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|  |  |     |    |       |       |       |       |
|--|--|-----|----|-------|-------|-------|-------|
|  |  | 1   | 50 | 19.06 | 19.00 | 19.08 | 20.00 |
|  |  | 1   | 99 | 19.12 | 19.10 | 19.13 | 20.00 |
|  |  | 50  | 0  | 19.11 | 19.07 | 19.08 | 20.00 |
|  |  | 50  | 25 | 18.91 | 18.88 | 18.97 | 20.00 |
|  |  | 50  | 50 | 19.02 | 19.00 | 19.02 | 20.00 |
|  |  | 100 | 0  | 19.05 | 19.02 | 19.05 | 20.00 |

| LTE Band 2 -QM77051 DSI1/5 |            |         |           | Conducted Power(dBm) |         |         |         |
|----------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                  | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
|                            |            |         |           | 18607                | 18900   | 19193   |         |
| 1.4MHz                     | QPSK       | 1       | 0         | 17.51                | 17.30   | 17.33   | 18.20   |
|                            |            | 1       | 2         | 17.43                | 17.38   | 17.49   | 18.20   |
|                            |            | 1       | 5         | 17.30                | 17.27   | 17.38   | 18.20   |
|                            |            | 3       | 0         | 17.39                | 17.40   | 17.29   | 18.20   |
|                            |            | 3       | 2         | 17.27                | 17.32   | 17.51   | 18.20   |
|                            |            | 3       | 3         | 17.28                | 17.24   | 17.35   | 18.20   |
|                            | 16QAM      | 6       | 0         | 17.47                | 17.34   | 17.34   | 18.20   |
|                            |            | 1       | 0         | 17.35                | 17.32   | 17.33   | 18.20   |
|                            |            | 1       | 2         | 17.24                | 17.25   | 17.34   | 18.20   |
|                            |            | 1       | 5         | 17.48                | 17.43   | 17.28   | 18.20   |
|                            |            | 3       | 0         | 17.43                | 17.24   | 17.52   | 18.20   |
|                            |            | 3       | 2         | 17.39                | 17.26   | 17.40   | 18.20   |
|                            | 64QAM      | 3       | 3         | 17.47                | 17.28   | 17.46   | 18.20   |
|                            |            | 6       | 0         | 17.39                | 17.32   | 17.34   | 18.20   |
|                            |            | 1       | 0         | 17.36                | 17.26   | 17.31   | 18.20   |
|                            |            | 1       | 2         | 17.49                | 17.36   | 17.34   | 18.20   |
|                            |            | 1       | 5         | 17.45                | 17.46   | 17.37   | 18.20   |
|                            |            | 3       | 0         | 17.29                | 17.26   | 17.40   | 18.20   |
|                            | 256QAM     | 3       | 2         | 17.45                | 17.32   | 17.31   | 18.20   |
|                            |            | 3       | 3         | 17.33                | 17.41   | 17.49   | 18.20   |
|                            |            | 6       | 0         | 17.38                | 17.15   | 17.42   | 18.20   |
|                            |            | 1       | 0         | 17.33                | 17.36   | 17.41   | 18.20   |
|                            |            | 1       | 2         | 17.40                | 17.26   | 17.44   | 18.20   |
|                            |            | 1       | 5         | 17.23                | 17.19   | 17.24   | 18.20   |
| 3MHz                       | QPSK       | 3       | 0         | 17.51                | 17.26   | 17.30   | 18.20   |
|                            |            | 3       | 2         | 17.35                | 17.42   | 17.52   | 18.20   |
|                            |            | 3       | 3         | 17.34                | 17.30   | 17.33   | 18.20   |
|                            |            | 6       | 0         | 17.44                | 17.35   | 17.25   | 18.20   |
|                            | 16QAM      | 1       | 0         | 17.40                | 17.37   | 17.42   | 18.20   |
|                            |            | 1       | 7         | 17.30                | 17.20   | 17.26   | 18.20   |
|                            |            | 1       | 14        | 17.35                | 17.35   | 17.34   | 18.20   |
|                            |            | 8       | 0         | 17.32                | 17.42   | 17.52   | 18.20   |
|                            |            | 8       | 4         | 17.24                | 17.25   | 17.28   | 18.20   |
|                            |            | 8       | 7         | 17.40                | 17.27   | 17.30   | 18.20   |
|                            | 64QAM      | 15      | 0         | 17.32                | 17.33   | 17.43   | 18.20   |
|                            |            | 1       | 0         | 17.37                | 17.14   | 17.42   | 18.20   |
|                            |            | 1       | 7         | 17.39                | 17.41   | 17.45   | 18.20   |
|                            |            | 1       | 14        | 17.45                | 17.29   | 17.38   | 18.20   |
|                            |            | 8       | 0         | 17.34                | 17.17   | 17.42   | 18.20   |
|                            |            | 8       | 4         | 17.50                | 17.45   | 17.46   | 18.20   |



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|           | 256QAM     | 8       | 7         | 17.34            | 17.45            | 17.42            | 18.20   |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 15      | 0         | 17.20            | 17.23            | 17.24            | 18.20   |
|           |            | 1       | 0         | 17.45            | 17.43            | 17.33            | 18.20   |
|           |            | 1       | 7         | 17.32            | 17.40            | 17.39            | 18.20   |
|           |            | 1       | 14        | 17.26            | 17.26            | 17.36            | 18.20   |
|           |            | 8       | 0         | 17.44            | 17.32            | 17.34            | 18.20   |
|           |            | 8       | 4         | 17.37            | 17.41            | 17.33            | 18.20   |
|           |            | 8       | 7         | 17.34            | 17.24            | 17.37            | 18.20   |
|           |            | 15      | 0         | 17.24            | 17.25            | 17.40            | 18.20   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>18625 | Channel<br>18900 | Channel<br>19175 | Tune up |
| 5MHz      | QPSK       | 1       | 0         | 17.40            | 17.24            | 17.38            | 18.20   |
|           |            | 1       | 13        | 17.39            | 17.31            | 17.52            | 18.20   |
|           |            | 1       | 24        | 17.32            | 17.14            | 17.27            | 18.20   |
|           |            | 12      | 0         | 17.48            | 17.42            | 17.48            | 18.20   |
|           |            | 12      | 6         | 17.34            | 17.38            | 17.48            | 18.20   |
|           |            | 12      | 13        | 17.32            | 17.27            | 17.40            | 18.20   |
|           | 16QAM      | 25      | 0         | 17.50            | 17.26            | 17.31            | 18.20   |
|           |            | 1       | 0         | 17.32            | 17.44            | 17.55            | 18.20   |
|           |            | 1       | 13        | 17.26            | 17.29            | 17.26            | 18.20   |
|           |            | 1       | 24        | 17.40            | 17.39            | 17.35            | 18.20   |
|           |            | 12      | 0         | 17.29            | 17.35            | 17.47            | 18.20   |
|           |            | 12      | 6         | 17.27            | 17.21            | 17.40            | 18.20   |
|           | 64QAM      | 12      | 13        | 17.42            | 17.40            | 17.32            | 18.20   |
|           |            | 25      | 0         | 17.40            | 17.37            | 17.52            | 18.20   |
|           |            | 1       | 0         | 17.33            | 17.15            | 17.27            | 18.20   |
|           |            | 1       | 13        | 17.41            | 17.35            | 17.28            | 18.20   |
|           |            | 1       | 24        | 17.43            | 17.38            | 17.43            | 18.20   |
|           |            | 12      | 0         | 17.28            | 17.24            | 17.34            | 18.20   |
|           | 256QAM     | 12      | 6         | 17.39            | 17.32            | 17.42            | 18.20   |
|           |            | 12      | 13        | 17.32            | 17.41            | 17.44            | 18.20   |
|           |            | 25      | 0         | 17.33            | 17.26            | 17.36            | 18.20   |
|           |            | 1       | 0         | 17.50            | 17.36            | 17.31            | 18.20   |
|           |            | 1       | 13        | 17.43            | 17.32            | 17.32            | 18.20   |
|           |            | 1       | 24        | 17.43            | 17.25            | 17.27            | 18.20   |
| 10MHz     | QPSK       | 12      | 0         | 17.52            | 17.27            | 17.43            | 18.20   |
|           |            | 12      | 6         | 17.43            | 17.32            | 17.56            | 18.20   |
|           |            | 12      | 13        | 17.29            | 17.18            | 17.26            | 18.20   |
|           |            | 25      | 0         | 17.43            | 17.21            | 17.40            | 18.20   |
|           |            | 1       | 0         | 17.38            | 17.37            | 17.34            | 18.20   |
|           |            | 1       | 25        | 17.41            | 17.37            | 17.49            | 18.20   |
|           | 16QAM      | 1       | 49        | 17.36            | 17.37            | 17.37            | 18.20   |
|           |            | 25      | 0         | 17.44            | 17.42            | 17.47            | 18.20   |
|           |            | 25      | 13        | 17.42            | 17.33            | 17.42            | 18.20   |
|           |            | 25      | 25        | 17.42            | 17.17            | 17.38            | 18.20   |
|           |            | 50      | 0         | 17.44            | 17.28            | 17.31            | 18.20   |
|           |            | 1       | 0         | 17.30            | 17.32            | 17.48            | 18.20   |
|           | 64QAM      | 1       | 25        | 17.42            | 17.28            | 17.36            | 18.20   |
|           |            | 1       | 49        | 17.33            | 17.22            | 17.41            | 18.20   |
|           |            | 25      | 0         | 17.28            | 17.41            | 17.39            | 18.20   |
|           |            | 25      | 13        | 17.31            | 17.33            | 17.36            | 18.20   |
|           |            | 25      | 25        | 17.52            | 17.40            | 17.39            | 18.20   |
|           |            | 50      | 0         | 17.31            | 17.40            | 17.42            | 18.20   |
|           | QPSK       | 1       | 0         | 17.37            | 17.13            | 17.25            | 18.20   |
|           |            | 1       | 25        | 17.41            | 17.35            | 17.35            | 18.20   |
|           |            | 1       | 49        | 17.39            | 17.41            | 17.52            | 18.20   |
|           |            | 25      | 0         | 17.32            | 17.21            | 17.27            | 18.20   |
|           |            | 25      | 13        | 17.42            | 17.26            | 17.27            | 18.20   |
|           |            | 25      | 25        | 17.39            | 17.41            | 17.43            | 18.20   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>18650 | Channel<br>18900 | Channel<br>19150 | Tune up |



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|           |            | 50      | 0         | 17.36   | 17.18   | 17.21   | 18.20   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 1       | 0         | 17.41   | 17.40   | 17.43   | 18.20   |
|           |            | 1       | 25        | 17.25   | 17.40   | 17.54   | 18.20   |
|           |            | 1       | 49        | 17.26   | 17.34   | 17.20   | 18.20   |
|           |            | 25      | 0         | 17.43   | 17.30   | 17.40   | 18.20   |
|           |            | 25      | 13        | 17.46   | 17.48   | 17.36   | 18.20   |
|           |            | 25      | 25        | 17.46   | 17.32   | 17.30   | 18.20   |
|           |            | 50      | 0         | 17.28   | 17.31   | 17.45   | 18.20   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18675   | 18900   | 19125   |         |
|           |            | 1       | 0         | 17.36   | 17.29   | 17.43   | 18.20   |
|           |            | 1       | 38        | 17.46   | 17.38   | 17.48   | 18.20   |
|           |            | 1       | 74        | 17.32   | 17.18   | 17.33   | 18.20   |
|           |            | 36      | 0         | 17.43   | 17.37   | 17.34   | 18.20   |
|           |            | 36      | 18        | 17.40   | 17.30   | 17.46   | 18.20   |
|           |            | 36      | 39        | 17.40   | 17.31   | 17.43   | 18.20   |
|           |            | 75      | 0         | 17.43   | 17.28   | 17.40   | 18.20   |
|           |            | 1       | 0         | 17.46   | 17.41   | 17.55   | 18.20   |
|           |            | 1       | 38        | 17.37   | 17.21   | 17.37   | 18.20   |
|           |            | 1       | 74        | 17.39   | 17.41   | 17.29   | 18.20   |
|           |            | 36      | 0         | 17.34   | 17.46   | 17.44   | 18.20   |
|           |            | 36      | 18        | 17.29   | 17.27   | 17.33   | 18.20   |
|           |            | 36      | 39        | 17.37   | 17.29   | 17.44   | 18.20   |
|           |            | 75      | 0         | 17.35   | 17.40   | 17.53   | 18.20   |
|           |            | 1       | 0         | 17.32   | 17.30   | 17.30   | 18.20   |
|           |            | 1       | 38        | 17.45   | 17.36   | 17.40   | 18.20   |
|           |            | 1       | 74        | 17.45   | 17.44   | 17.38   | 18.20   |
|           |            | 36      | 0         | 17.24   | 17.20   | 17.25   | 18.20   |
|           |            | 36      | 18        | 17.32   | 17.30   | 17.42   | 18.20   |
|           |            | 36      | 39        | 17.40   | 17.39   | 17.43   | 18.20   |
|           |            | 75      | 0         | 17.43   | 17.26   | 17.27   | 18.20   |
|           |            | 1       | 0         | 17.49   | 17.36   | 17.45   | 18.20   |
|           |            | 1       | 38        | 17.34   | 17.30   | 17.53   | 18.20   |
|           |            | 1       | 74        | 17.32   | 17.24   | 17.30   | 18.20   |
|           |            | 36      | 0         | 17.40   | 17.39   | 17.46   | 18.20   |
|           |            | 36      | 18        | 17.33   | 17.41   | 17.53   | 18.20   |
|           |            | 36      | 39        | 17.27   | 17.17   | 17.32   | 18.20   |
|           |            | 75      | 0         | 17.43   | 17.21   | 17.32   | 18.20   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18700   | 18900   | 19100   |         |
|           |            | 1       | 0         | 17.44   | 17.39   | 17.44   | 18.20   |
|           |            | 1       | 50        | 17.45   | 17.24   | 17.45   | 18.20   |
|           |            | 1       | 99        | 17.32   | 17.26   | 17.29   | 18.20   |
|           |            | 50      | 0         | 17.36   | 17.40   | 17.38   | 18.20   |
|           |            | 50      | 25        | 17.35   | 17.35   | 17.48   | 18.20   |
|           |            | 50      | 50        | 17.23   | 17.20   | 17.41   | 18.20   |
|           |            | 100     | 0         | 17.43   | 17.41   | 17.43   | 18.20   |
|           |            | 1       | 0         | 17.35   | 17.47   | 17.48   | 18.20   |
|           |            | 1       | 50        | 17.22   | 17.20   | 17.29   | 18.20   |
|           |            | 1       | 99        | 17.40   | 17.33   | 17.38   | 18.20   |
|           |            | 50      | 0         | 17.32   | 17.26   | 17.46   | 18.20   |
|           |            | 50      | 25        | 17.40   | 17.28   | 17.27   | 18.20   |
|           |            | 50      | 50        | 17.30   | 17.45   | 17.35   | 18.20   |
|           |            | 100     | 0         | 17.33   | 17.30   | 17.51   | 18.20   |
|           |            | 1       | 0         | 17.24   | 17.29   | 17.37   | 18.20   |
|           |            | 1       | 50        | 17.56   | 17.31   | 17.34   | 18.20   |
|           |            | 1       | 99        | 17.46   | 17.43   | 17.50   | 18.20   |
|           |            | 50      | 0         | 17.29   | 17.18   | 17.41   | 18.20   |
|           |            | 50      | 25        | 17.46   | 17.34   | 17.38   | 18.20   |
|           |            | 50      | 50        | 17.37   | 17.47   | 17.44   | 18.20   |
|           |            | 100     | 0         | 17.28   | 17.24   | 17.32   | 18.20   |



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|  |        |     |    |       |       |       |       |
|--|--------|-----|----|-------|-------|-------|-------|
|  | 256QAM | 1   | 0  | 17.51 | 17.27 | 17.29 | 18.20 |
|  |        | 1   | 50 | 17.39 | 17.40 | 17.54 | 18.20 |
|  |        | 1   | 99 | 17.33 | 17.30 | 17.42 | 18.20 |
|  |        | 50  | 0  | 17.34 | 17.36 | 17.32 | 18.20 |
|  |        | 50  | 25 | 17.38 | 17.25 | 17.34 | 18.20 |
|  |        | 50  | 50 | 17.32 | 17.18 | 17.20 | 18.20 |
|  |        | 100 | 0  | 17.29 | 17.28 | 17.42 | 18.20 |

| LTE Band 2 -QM77051 DSI3 |            |         |           | Conducted Power(dBm) |                  |                  |         |
|--------------------------|------------|---------|-----------|----------------------|------------------|------------------|---------|
| Bandwidth                | Modulation | RB size | RB offset | Channel<br>18607     | Channel<br>18900 | Channel<br>19193 | Tune up |
| 1.4MHz                   | QPSK       | 1       | 0         | 18.46                | 18.32            | 18.32            | 19.20   |
|                          |            | 1       | 2         | 18.42                | 18.33            | 18.51            | 19.20   |
|                          |            | 1       | 5         | 18.30                | 18.26            | 18.36            | 19.20   |
|                          |            | 3       | 0         | 18.32                | 18.36            | 18.30            | 19.20   |
|                          |            | 3       | 2         | 18.33                | 18.33            | 18.52            | 19.20   |
|                          |            | 3       | 3         | 18.31                | 18.26            | 18.38            | 19.20   |
|                          | 16QAM      | 6       | 0         | 18.49                | 18.34            | 18.34            | 19.20   |
|                          |            | 1       | 0         | 18.38                | 18.38            | 18.37            | 19.20   |
|                          |            | 1       | 2         | 18.31                | 18.26            | 18.37            | 19.20   |
|                          |            | 1       | 5         | 18.46                | 18.42            | 18.28            | 19.20   |
|                          |            | 3       | 0         | 18.41                | 18.26            | 18.50            | 19.20   |
|                          |            | 3       | 2         | 18.35                | 18.31            | 18.43            | 19.20   |
|                          | 64QAM      | 3       | 3         | 18.52                | 18.26            | 18.41            | 19.20   |
|                          |            | 6       | 0         | 18.38                | 18.37            | 18.32            | 19.20   |
|                          |            | 1       | 0         | 18.34                | 18.30            | 18.36            | 19.20   |
|                          |            | 1       | 2         | 18.52                | 18.35            | 18.38            | 19.20   |
|                          |            | 1       | 5         | 18.39                | 18.45            | 18.41            | 19.20   |
|                          |            | 3       | 0         | 18.24                | 18.28            | 18.39            | 19.20   |
|                          | 256QAM     | 3       | 2         | 18.48                | 18.32            | 18.27            | 19.20   |
|                          |            | 3       | 3         | 18.27                | 18.39            | 18.48            | 19.20   |
|                          |            | 6       | 0         | 18.36                | 18.21            | 18.38            | 19.20   |
|                          |            | 1       | 0         | 18.37                | 18.33            | 18.44            | 19.20   |
|                          |            | 1       | 2         | 18.37                | 18.23            | 18.44            | 19.20   |
|                          |            | 1       | 5         | 18.23                | 18.15            | 18.32            | 19.20   |
| 3MHz                     | QPSK       | 3       | 0         | 18.49                | 18.22            | 18.33            | 19.20   |
|                          |            | 3       | 2         | 18.31                | 18.41            | 18.44            | 19.20   |
|                          |            | 3       | 3         | 18.28                | 18.24            | 18.32            | 19.20   |
|                          |            | 6       | 0         | 18.39                | 18.33            | 18.33            | 19.20   |
|                          | 16QAM      | 1       | 0         | 18.48                | 18.35            | 18.34            | 19.20   |
|                          |            | 1       | 7         | 18.36                | 18.36            | 18.52            | 19.20   |
|                          |            | 1       | 14        | 18.30                | 18.24            | 18.37            | 19.20   |
|                          |            | 8       | 0         | 18.35                | 18.37            | 18.32            | 19.20   |
|                          |            | 8       | 4         | 18.32                | 18.31            | 18.50            | 19.20   |
|                          |            | 8       | 7         | 18.28                | 18.28            | 18.35            | 19.20   |
|                          | 64QAM      | 15      | 0         | 18.54                | 18.32            | 18.37            | 19.20   |
|                          |            | 1       | 0         | 18.39                | 18.35            | 18.34            | 19.20   |
|                          |            | 1       | 7         | 18.27                | 18.28            | 18.40            | 19.20   |
|                          |            | 1       | 14        | 18.49                | 18.36            | 18.28            | 19.20   |
|                          |            | 8       | 0         | 18.43                | 18.29            | 18.55            | 19.20   |
|                          |            | 8       | 4         | 18.33                | 18.27            | 18.44            | 19.20   |
|                          |            | 8       | 7         | 18.52                | 18.27            | 18.43            | 19.20   |
|                          |            | 15      | 0         | 18.37                | 18.33            | 18.32            | 19.20   |
|                          |            | 1       | 0         | 18.41                | 18.30            | 18.36            | 19.20   |
|                          |            | 1       | 7         | 18.52                | 18.41            | 18.40            | 19.20   |
|                          |            | 1       | 14        | 18.43                | 18.46            | 18.35            | 19.20   |
|                          |            | 8       | 0         | 18.25                | 18.29            | 18.42            | 19.20   |



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|           | 256QAM     | 8       | 4         | 18.50   | 18.29   | 18.25   | 19.20   |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            | 8       | 7         | 18.31   | 18.40   | 18.55   | 19.20   |
|           |            | 15      | 0         | 18.33   | 18.15   | 18.37   | 19.20   |
|           |            | 1       | 0         | 18.33   | 18.41   | 18.37   | 19.20   |
|           |            | 1       | 7         | 18.41   | 18.26   | 18.44   | 19.20   |
|           |            | 1       | 14        | 18.30   | 18.15   | 18.31   | 19.20   |
|           |            | 8       | 0         | 18.49   | 18.26   | 18.31   | 19.20   |
|           |            | 8       | 4         | 18.35   | 18.41   | 18.50   | 19.20   |
|           |            | 8       | 7         | 18.31   | 18.24   | 18.32   | 19.20   |
|           |            | 15      | 0         | 18.36   | 18.35   | 18.25   | 19.20   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18625   | 18900   | 19175   |         |
| 5MHz      | QPSK       | 1       | 0         | 18.49   | 18.35   | 18.34   | 19.20   |
|           |            | 1       | 13        | 18.40   | 18.36   | 18.49   | 19.20   |
|           |            | 1       | 24        | 18.30   | 18.21   | 18.38   | 19.20   |
|           |            | 12      | 0         | 18.38   | 18.37   | 18.33   | 19.20   |
|           |            | 12      | 6         | 18.27   | 18.29   | 18.49   | 19.20   |
|           |            | 12      | 13        | 18.36   | 18.32   | 18.40   | 19.20   |
|           | 16QAM      | 25      | 0         | 18.55   | 18.35   | 18.33   | 19.20   |
|           |            | 1       | 0         | 18.34   | 18.33   | 18.39   | 19.20   |
|           |            | 1       | 13        | 18.26   | 18.21   | 18.37   | 19.20   |
|           |            | 1       | 24        | 18.45   | 18.41   | 18.28   | 19.20   |
|           |            | 12      | 0         | 18.40   | 18.23   | 18.51   | 19.20   |
|           |            | 12      | 6         | 18.33   | 18.27   | 18.38   | 19.20   |
|           | 64QAM      | 12      | 13        | 18.46   | 18.28   | 18.44   | 19.20   |
|           |            | 25      | 0         | 18.35   | 18.35   | 18.39   | 19.20   |
|           |            | 1       | 0         | 18.42   | 18.33   | 18.37   | 19.20   |
|           |            | 1       | 13        | 18.52   | 18.40   | 18.36   | 19.20   |
|           |            | 1       | 24        | 18.40   | 18.44   | 18.38   | 19.20   |
|           |            | 12      | 0         | 18.30   | 18.31   | 18.39   | 19.20   |
| 10MHz     | QPSK       | 12      | 6         | 18.52   | 18.33   | 18.24   | 19.20   |
|           |            | 12      | 13        | 18.33   | 18.40   | 18.50   | 19.20   |
|           |            | 25      | 0         | 18.32   | 18.20   | 18.35   | 19.20   |
|           | 16QAM      | 1       | 0         | 18.33   | 18.35   | 18.44   | 19.20   |
|           |            | 1       | 13        | 18.41   | 18.27   | 18.45   | 19.20   |
|           |            | 1       | 24        | 18.23   | 18.16   | 18.30   | 19.20   |
|           | 256QAM     | 12      | 0         | 18.44   | 18.24   | 18.32   | 19.20   |
|           |            | 12      | 6         | 18.31   | 18.46   | 18.45   | 19.20   |
|           |            | 12      | 13        | 18.29   | 18.25   | 18.26   | 19.20   |
|           |            | 25      | 0         | 18.39   | 18.35   | 18.26   | 19.20   |
| Bandwidth | Modulation | RB size | RB offset | Channel | Channel | Channel | Tune up |
|           |            |         |           | 18650   | 18900   | 19150   |         |
| 10MHz     | QPSK       | 1       | 0         | 18.45   | 18.34   | 18.27   | 19.20   |
|           |            | 1       | 25        | 18.42   | 18.38   | 18.52   | 19.20   |
|           |            | 1       | 49        | 18.30   | 18.26   | 18.41   | 19.20   |
|           |            | 25      | 0         | 18.37   | 18.36   | 18.25   | 19.20   |
|           |            | 25      | 13        | 18.33   | 18.29   | 18.48   | 19.20   |
|           |            | 25      | 25        | 18.29   | 18.28   | 18.35   | 19.20   |
|           | 16QAM      | 50      | 0         | 18.50   | 18.40   | 18.35   | 19.20   |
|           |            | 1       | 0         | 18.35   | 18.30   | 18.33   | 19.20   |
|           |            | 1       | 25        | 18.27   | 18.27   | 18.32   | 19.20   |
|           |            | 1       | 49        | 18.45   | 18.39   | 18.24   | 19.20   |
|           |            | 25      | 0         | 18.41   | 18.27   | 18.54   | 19.20   |
|           |            | 25      | 13        | 18.37   | 18.26   | 18.44   | 19.20   |
|           | 64QAM      | 25      | 25        | 18.53   | 18.34   | 18.45   | 19.20   |
|           |            | 50      | 0         | 18.36   | 18.37   | 18.38   | 19.20   |
|           |            | 1       | 0         | 18.36   | 18.26   | 18.38   | 19.20   |
|           |            | 1       | 25        | 18.51   | 18.34   | 18.41   | 19.20   |
|           |            | 1       | 49        | 18.39   | 18.44   | 18.38   | 19.20   |
|           |            | 25      | 0         | 18.28   | 18.32   | 18.37   | 19.20   |
|           |            | 25      | 13        | 18.50   | 18.31   | 18.29   | 19.20   |



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|           | 256QAM     | 25      | 25        | 18.27            | 18.38            | 18.55            | 19.20   |
|-----------|------------|---------|-----------|------------------|------------------|------------------|---------|
|           |            | 50      | 0         | 18.32            | 18.19            | 18.34            | 19.20   |
|           |            | 1       | 0         | 18.36            | 18.38            | 18.42            | 19.20   |
|           |            | 1       | 25        | 18.40            | 18.29            | 18.45            | 19.20   |
|           |            | 1       | 49        | 18.24            | 18.14            | 18.24            | 19.20   |
|           |            | 25      | 0         | 18.49            | 18.22            | 18.31            | 19.20   |
|           |            | 25      | 13        | 18.33            | 18.40            | 18.45            | 19.20   |
|           |            | 25      | 25        | 18.30            | 18.24            | 18.27            | 19.20   |
|           |            | 50      | 0         | 18.36            | 18.33            | 18.29            | 19.20   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>18675 | Channel<br>18900 | Channel<br>19125 | Tune up |
| 15MHz     | QPSK       | 1       | 0         | 18.44            | 18.29            | 18.30            | 19.20   |
|           |            | 1       | 38        | 18.43            | 18.35            | 18.49            | 19.20   |
|           |            | 1       | 74        | 18.32            | 18.23            | 18.43            | 19.20   |
|           |            | 36      | 0         | 18.32            | 18.36            | 18.30            | 19.20   |
|           |            | 36      | 18        | 18.26            | 18.34            | 18.54            | 19.20   |
|           |            | 36      | 39        | 18.32            | 18.31            | 18.39            | 19.20   |
|           |            | 75      | 0         | 18.51            | 18.38            | 18.34            | 19.20   |
|           | 16QAM      | 1       | 0         | 18.33            | 18.32            | 18.40            | 19.20   |
|           |            | 1       | 38        | 18.23            | 18.26            | 18.36            | 19.20   |
|           |            | 1       | 74        | 18.42            | 18.38            | 18.30            | 19.20   |
|           |            | 36      | 0         | 18.39            | 18.28            | 18.56            | 19.20   |
|           |            | 36      | 18        | 18.35            | 18.27            | 18.38            | 19.20   |
|           |            | 36      | 39        | 18.45            | 18.29            | 18.45            | 19.20   |
|           |            | 75      | 0         | 18.36            | 18.31            | 18.37            | 19.20   |
|           | 64QAM      | 1       | 0         | 18.38            | 18.32            | 18.35            | 19.20   |
|           |            | 1       | 38        | 18.52            | 18.42            | 18.41            | 19.20   |
|           |            | 1       | 74        | 18.39            | 18.48            | 18.36            | 19.20   |
|           |            | 36      | 0         | 18.29            | 18.27            | 18.34            | 19.20   |
|           |            | 36      | 18        | 18.53            | 18.26            | 18.31            | 19.20   |
|           |            | 36      | 39        | 18.28            | 18.42            | 18.55            | 19.20   |
|           |            | 75      | 0         | 18.35            | 18.16            | 18.36            | 19.20   |
|           | 256QAM     | 1       | 0         | 18.36            | 18.34            | 18.44            | 19.20   |
|           |            | 1       | 38        | 18.41            | 18.23            | 18.44            | 19.20   |
|           |            | 1       | 74        | 18.25            | 18.17            | 18.32            | 19.20   |
|           |            | 36      | 0         | 18.48            | 18.30            | 18.34            | 19.20   |
|           |            | 36      | 18        | 18.32            | 18.43            | 18.47            | 19.20   |
|           |            | 36      | 39        | 18.31            | 18.27            | 18.29            | 19.20   |
|           |            | 75      | 0         | 18.40            | 18.28            | 18.27            | 19.20   |
| Bandwidth | Modulation | RB size | RB offset | Channel<br>18700 | Channel<br>18900 | Channel<br>19100 | Tune up |
| 20MHz     | QPSK       | 1       | 0         | 18.43            | 18.35            | 18.30            | 19.20   |
|           |            | 1       | 50        | 18.42            | 18.36            | 18.49            | 19.20   |
|           |            | 1       | 99        | 18.27            | 18.28            | 18.43            | 19.20   |
|           |            | 50      | 0         | 18.32            | 18.41            | 18.27            | 19.20   |
|           |            | 50      | 25        | 18.29            | 18.29            | 18.51            | 19.20   |
|           |            | 50      | 50        | 18.30            | 18.30            | 18.39            | 19.20   |
|           |            | 100     | 0         | 18.52            | 18.35            | 18.39            | 19.20   |
|           | 16QAM      | 1       | 0         | 18.35            | 18.32            | 18.39            | 19.20   |
|           |            | 1       | 50        | 18.23            | 18.26            | 18.37            | 19.20   |
|           |            | 1       | 99        | 18.43            | 18.37            | 18.28            | 19.20   |
|           |            | 50      | 0         | 18.37            | 18.29            | 18.52            | 19.20   |
|           |            | 50      | 25        | 18.35            | 18.30            | 18.44            | 19.20   |
|           |            | 50      | 50        | 18.53            | 18.28            | 18.45            | 19.20   |
|           |            | 100     | 0         | 18.36            | 18.37            | 18.39            | 19.20   |
|           | 64QAM      | 1       | 0         | 18.34            | 18.26            | 18.36            | 19.20   |
|           |            | 1       | 50        | 18.54            | 18.41            | 18.34            | 19.20   |
|           |            | 1       | 99        | 18.44            | 18.48            | 18.39            | 19.20   |
|           |            | 50      | 0         | 18.26            | 18.32            | 18.41            | 19.20   |
|           |            | 50      | 25        | 18.50            | 18.29            | 18.24            | 19.20   |
|           |            | 50      | 50        | 18.34            | 18.39            | 18.50            | 19.20   |



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|  |        |     |    |       |       |       |       |
|--|--------|-----|----|-------|-------|-------|-------|
|  |        | 100 | 0  | 18.34 | 18.20 | 18.36 | 19.20 |
|  |        | 1   | 0  | 18.35 | 18.40 | 18.41 | 19.20 |
|  |        | 1   | 50 | 18.43 | 18.28 | 18.45 | 19.20 |
|  |        | 1   | 99 | 18.28 | 18.14 | 18.24 | 19.20 |
|  | 256QAM | 50  | 0  | 18.44 | 18.26 | 18.34 | 19.20 |
|  |        | 50  | 25 | 18.31 | 18.39 | 18.50 | 19.20 |
|  |        | 50  | 50 | 18.30 | 18.32 | 18.31 | 19.20 |
|  |        | 100 | 0  | 18.44 | 18.28 | 18.32 | 19.20 |

| LTE Band 2 -QM77051 DSI4 |            |         |           | Conducted Power(dBm) |         |         |         |
|--------------------------|------------|---------|-----------|----------------------|---------|---------|---------|
| Bandwidth                | Modulation | RB size | RB offset | Channel              | Channel | Channel | Tune up |
| 1.4MHz                   | QPSK       | 1       | 0         | 18607                | 18900   | 19193   | 22.70   |
|                          |            | 1       | 2         | 21.96                | 21.85   | 21.83   | 22.70   |
|                          |            | 1       | 5         | 21.93                | 21.88   | 22.05   | 22.70   |
|                          |            | 3       | 0         | 21.74                | 21.78   | 21.86   | 22.70   |
|                          |            | 3       | 2         | 21.88                | 21.90   | 21.81   | 22.70   |
|                          |            | 3       | 2         | 21.84                | 21.82   | 22.02   | 22.70   |
|                          | 16QAM      | 3       | 3         | 21.85                | 21.78   | 21.88   | 22.70   |
|                          |            | 6       | 0         | 21.97                | 21.82   | 21.89   | 22.70   |
|                          |            | 1       | 0         | 21.86                | 21.82   | 21.89   | 22.70   |
|                          |            | 1       | 2         | 21.76                | 21.73   | 21.89   | 22.70   |
|                          |            | 1       | 5         | 21.92                | 21.91   | 21.78   | 22.70   |
|                          |            | 3       | 0         | 21.93                | 21.76   | 22.07   | 22.70   |
|                          | 64QAM      | 3       | 2         | 21.82                | 21.82   | 21.89   | 22.70   |
|                          |            | 3       | 3         | 21.99                | 21.77   | 21.93   | 22.70   |
|                          |            | 6       | 0         | 21.84                | 21.83   | 21.90   | 22.70   |
|                          |            | 1       | 0         | 21.92                | 21.80   | 21.88   | 22.70   |
|                          |            | 1       | 2         | 21.98                | 21.90   | 21.88   | 22.70   |
|                          |            | 1       | 5         | 21.88                | 21.97   | 21.87   | 22.70   |
|                          | 256QAM     | 3       | 0         | 21.82                | 21.78   | 21.84   | 22.70   |
|                          |            | 3       | 2         | 22.02                | 21.83   | 21.81   | 22.70   |
|                          |            | 3       | 3         | 21.77                | 21.91   | 22.04   | 22.70   |
|                          |            | 6       | 0         | 21.00                | 21.04   | 21.28   | 22.00   |
|                          |            | 1       | 0         | 18.91                | 18.99   | 18.76   | 20.00   |
|                          |            | 1       | 2         | 19.01                | 18.90   | 18.75   | 20.00   |
| 3MHz                     | QPSK       | 1       | 5         | 19.23                | 18.98   | 18.90   | 20.00   |
|                          |            | 3       | 0         | 18.98                | 19.14   | 18.95   | 20.00   |
|                          |            | 3       | 2         | 18.68                | 18.68   | 18.96   | 20.00   |
|                          |            | 3       | 3         | 18.87                | 18.91   | 18.85   | 20.00   |
|                          |            | 6       | 0         | 18.93                | 19.03   | 19.05   | 20.00   |
|                          |            | 1       | 0         | 21.94                | 21.81   | 21.81   | 22.70   |
|                          | 16QAM      | 1       | 7         | 21.88                | 21.89   | 22.00   | 22.70   |
|                          |            | 1       | 14        | 21.74                | 21.77   | 21.92   | 22.70   |
|                          |            | 8       | 0         | 21.89                | 21.92   | 21.78   | 22.70   |
|                          |            | 8       | 4         | 21.80                | 21.79   | 22.00   | 22.70   |
|                          |            | 8       | 7         | 21.82                | 21.74   | 21.88   | 22.70   |
|                          |            | 15      | 0         | 21.98                | 21.85   | 21.84   | 22.70   |
|                          | 64QAM      | 1       | 0         | 21.87                | 21.83   | 21.84   | 22.70   |
|                          |            | 1       | 7         | 21.75                | 21.74   | 21.84   | 22.70   |
|                          |            | 1       | 14        | 21.97                | 21.94   | 21.76   | 22.70   |
|                          |            | 8       | 0         | 21.91                | 21.80   | 22.06   | 22.70   |
|                          |            | 8       | 4         | 21.89                | 21.82   | 21.91   | 22.70   |
|                          |            | 8       | 7         | 22.02                | 21.81   | 21.88   | 22.70   |
|                          |            | 15      | 0         | 21.91                | 21.80   | 21.83   | 22.70   |
|                          |            | 1       | 0         | 21.92                | 21.77   | 21.86   | 22.70   |
|                          |            | 1       | 7         | 22.03                | 21.89   | 21.91   | 22.70   |
|                          |            | 1       | 14        | 21.87                | 21.91   | 21.92   | 22.70   |
|                          |            | 1       | 0         | 21.94                | 21.81   | 21.81   | 22.70   |
|                          |            | 1       | 7         | 21.88                | 21.89   | 22.00   | 22.70   |
|                          |            | 1       | 14        | 21.74                | 21.77   | 21.92   | 22.70   |
|                          |            | 8       | 0         | 21.89                | 21.92   | 21.78   | 22.70   |
|                          |            | 8       | 4         | 21.80                | 21.79   | 22.00   | 22.70   |
|                          |            | 8       | 7         | 21.82                | 21.74   | 21.88   | 22.70   |
|                          |            | 15      | 0         | 21.98                | 21.85   | 21.84   | 22.70   |



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