

## RF Power Range (LTE- Full-Ant.0)

| Band       | Bandwidth | RB  | Modulation | Range(dBm)    |
|------------|-----------|-----|------------|---------------|
| LTE Band 2 | 1.4 MHz   | 1   | QPSK       | 21.00 - 23.00 |
|            |           | 3   |            | 21.00 - 23.00 |
|            |           | 6   |            | 20.00 - 22.00 |
|            |           | 1   | 16QAM      | 20.00 - 22.00 |
|            |           | 3   |            | 20.00 - 22.00 |
|            |           | 6   |            | 19.00 - 21.00 |
|            | 3 MHz     | 1   | QPSK       | 21.00 - 23.00 |
|            |           | 8   |            | 20.00 - 22.00 |
|            |           | 15  |            | 20.00 - 22.00 |
|            |           | 1   | 16QAM      | 20.00 - 22.00 |
|            |           | 8   |            | 19.00 - 21.00 |
|            |           | 15  |            | 19.00 - 21.00 |
|            | 5 MHz     | 1   | QPSK       | 21.00 - 23.00 |
|            |           | 12  |            | 20.00 - 22.00 |
|            |           | 25  |            | 20.00 - 22.00 |
|            |           | 1   | 16QAM      | 20.00 - 22.00 |
|            |           | 12  |            | 19.00 - 21.00 |
|            |           | 25  |            | 19.00 - 21.00 |
|            | 10 MHz    | 1   | QPSK       | 21.00 - 23.00 |
|            |           | 25  |            | 20.00 - 22.00 |
|            |           | 50  |            | 20.00 - 22.00 |
|            |           | 1   | 16QAM      | 20.00 - 22.00 |
|            |           | 25  |            | 19.00 - 21.00 |
|            |           | 50  |            | 19.00 - 21.00 |
|            | 15 MHz    | 1   | QPSK       | 21.00 - 23.00 |
|            |           | 36  |            | 20.00 - 22.00 |
|            |           | 75  |            | 20.00 - 22.00 |
|            |           | 1   | 16QAM      | 20.00 - 22.00 |
|            |           | 36  |            | 19.00 - 21.00 |
|            |           | 75  |            | 19.00 - 21.00 |
|            | 20 MHz    | 1   | QPSK       | 21.00 - 23.00 |
|            |           | 50  |            | 20.00 - 22.00 |
|            |           | 100 |            | 20.00 - 22.00 |
|            |           | 1   | 16QAM      | 20.00 - 22.00 |
|            |           | 50  |            | 19.00 - 21.00 |
|            |           | 100 |            | 19.00 - 21.00 |

## RF Power Range (LTE- Full-Ant.0)

| Band       | Bandwidth | RB  | Modulation | Range(dBm)    |
|------------|-----------|-----|------------|---------------|
| LTE Band 4 | 1.4 MHz   | 1   | QPSK       | 21.00 - 23.00 |
|            |           | 3   |            | 21.00 - 23.00 |
|            |           | 6   |            | 20.00 - 22.00 |
|            |           | 1   | 16QAM      | 20.00 - 22.00 |
|            |           | 3   |            | 20.00 - 22.00 |
|            |           | 6   |            | 19.00 - 21.00 |
|            | 3 MHz     | 1   | QPSK       | 21.00 - 23.00 |
|            |           | 8   |            | 20.00 - 22.00 |
|            |           | 15  |            | 20.00 - 22.00 |
|            |           | 1   | 16QAM      | 20.00 - 22.00 |
|            |           | 8   |            | 19.00 - 21.00 |
|            |           | 15  |            | 19.00 - 21.00 |
|            | 5 MHz     | 1   | QPSK       | 21.00 - 23.00 |
|            |           | 12  |            | 20.00 - 22.00 |
|            |           | 25  |            | 20.00 - 22.00 |
|            |           | 1   | 16QAM      | 20.00 - 22.00 |
|            |           | 12  |            | 19.00 - 21.00 |
|            |           | 25  |            | 19.00 - 21.00 |
|            | 10 MHz    | 1   | QPSK       | 21.00 - 23.00 |
|            |           | 25  |            | 20.00 - 22.00 |
|            |           | 50  |            | 20.00 - 22.00 |
|            |           | 1   | 16QAM      | 20.00 - 22.00 |
|            |           | 25  |            | 19.00 - 21.00 |
|            |           | 50  |            | 19.00 - 21.00 |
|            | 15 MHz    | 1   | QPSK       | 21.00 - 23.00 |
|            |           | 36  |            | 20.00 - 22.00 |
|            |           | 75  |            | 20.00 - 22.00 |
|            |           | 1   | 16QAM      | 20.00 - 22.00 |
|            |           | 36  |            | 19.00 - 21.00 |
|            |           | 75  |            | 19.00 - 21.00 |
|            | 20 MHz    | 1   | QPSK       | 21.00 - 23.00 |
|            |           | 50  |            | 20.00 - 22.00 |
|            |           | 100 |            | 20.00 - 22.00 |
|            |           | 1   | 16QAM      | 20.00 - 22.00 |
|            |           | 50  |            | 19.00 - 21.00 |
|            |           | 100 |            | 19.00 - 21.00 |

## RF Power Range (LTE- Full-Ant.0)

| Band       | Bandwidth | RB | Modulation | Range(dBm)    |
|------------|-----------|----|------------|---------------|
| LTE Band 5 | 1.4 MHz   | 1  | QPSK       | 21.50 - 23.50 |
|            |           | 3  |            | 21.50 - 23.50 |
|            |           | 6  |            | 20.50 - 22.50 |
|            |           | 1  | 16QAM      | 20.50 - 22.50 |
|            |           | 3  |            | 20.50 - 22.50 |
|            |           | 6  |            | 19.50 - 21.50 |
|            | 3 MHz     | 1  | QPSK       | 21.50 - 23.50 |
|            |           | 8  |            | 20.50 - 22.50 |
|            |           | 15 |            | 20.50 - 22.50 |
|            |           | 1  | 16QAM      | 20.50 - 22.50 |
|            |           | 8  |            | 19.50 - 21.50 |
|            |           | 15 |            | 19.50 - 21.50 |
|            | 5 MHz     | 1  | QPSK       | 21.50 - 23.50 |
|            |           | 12 |            | 20.50 - 22.50 |
|            |           | 25 |            | 20.50 - 22.50 |
|            |           | 1  | 16QAM      | 20.50 - 22.50 |
|            |           | 12 |            | 19.50 - 21.50 |
|            |           | 25 |            | 19.50 - 21.50 |
|            | 10 MHz    | 1  | QPSK       | 21.50 - 23.50 |
|            |           | 25 |            | 20.50 - 22.50 |
|            |           | 50 |            | 20.50 - 22.50 |
|            |           | 1  | 16QAM      | 20.50 - 22.50 |
|            |           | 25 |            | 19.50 - 21.50 |
|            |           | 50 |            | 19.50 - 21.50 |

## RF Power Range (LTE- Full-Ant.0)

| Band        | Bandwidth | RB | Modulation | Range(dBm)    |
|-------------|-----------|----|------------|---------------|
| LTE Band 12 | 1.4 MHz   | 1  | QPSK       | 21.50 - 23.50 |
|             |           | 3  |            | 21.50 - 23.50 |
|             |           | 6  |            | 20.50 - 22.50 |
|             |           | 1  | 16QAM      | 20.50 - 22.50 |
|             |           | 3  |            | 20.50 - 22.50 |
|             |           | 6  |            | 19.50 - 21.50 |
|             | 3 MHz     | 1  | QPSK       | 21.50 - 23.50 |
|             |           | 8  |            | 20.50 - 22.50 |
|             |           | 15 |            | 20.50 - 22.50 |
|             |           | 1  | 16QAM      | 20.50 - 22.50 |
|             |           | 8  |            | 19.50 - 21.50 |
|             |           | 15 |            | 19.50 - 21.50 |
|             | 5 MHz     | 1  | QPSK       | 21.50 - 23.50 |
|             |           | 12 |            | 20.50 - 22.50 |
|             |           | 25 |            | 20.50 - 22.50 |
|             |           | 1  | 16QAM      | 20.50 - 22.50 |
|             |           | 12 |            | 19.50 - 21.50 |
|             |           | 25 |            | 19.50 - 21.50 |
|             | 10 MHz    | 1  | QPSK       | 21.50 - 23.50 |
|             |           | 25 |            | 20.50 - 22.50 |
|             |           | 50 |            | 20.50 - 22.50 |
|             |           | 1  | 16QAM      | 20.50 - 22.50 |
|             |           | 25 |            | 19.50 - 21.50 |
|             |           | 50 |            | 19.50 - 21.50 |

## RF Power Range (LTE- Full-Ant.0)

| Band        | Bandwidth | RB | Modulation | Range(dBm)    |
|-------------|-----------|----|------------|---------------|
| LTE Band 13 | 5 MHz     | 1  | QPSK       | 21.00 - 23.00 |
|             |           | 12 |            | 20.00 - 22.00 |
|             |           | 25 |            | 20.00 - 22.00 |
|             |           | 1  | 16QAM      | 20.00 - 22.00 |
|             |           | 12 |            | 19.00 - 21.00 |
|             |           | 25 |            | 19.00 - 21.00 |
|             | 10 MHz    | 1  | QPSK       | 21.00 - 23.00 |
|             |           | 25 |            | 20.00 - 22.00 |
|             |           | 50 |            | 20.00 - 22.00 |
|             |           | 1  | 16QAM      | 20.00 - 22.00 |
|             |           | 25 |            | 19.00 - 21.00 |
|             |           | 50 |            | 19.00 - 21.00 |

## RF Power Range (LTE- Full-Ant.0)

| Band        | Bandwidth | RB | Modulation | Range(dBm)    |
|-------------|-----------|----|------------|---------------|
| LTE Band 17 | 5 MHz     | 1  | QPSK       | 21.50 - 23.50 |
|             |           | 12 |            | 20.50 - 22.50 |
|             |           | 25 |            | 20.50 - 22.50 |
|             |           | 1  | 16QAM      | 20.50 - 22.50 |
|             |           | 12 |            | 19.50 - 21.50 |
|             |           | 25 |            | 19.50 - 21.50 |
|             | 10 MHz    | 1  | QPSK       | 21.50 - 23.50 |
|             |           | 25 |            | 20.50 - 22.50 |
|             |           | 50 |            | 20.50 - 22.50 |
|             |           | 1  | 16QAM      | 20.50 - 22.50 |
|             |           | 25 |            | 19.50 - 21.50 |
|             |           | 50 |            | 19.50 - 21.50 |

## RF Power Range (LTE- Full-Ant.0)

| Band        | Bandwidth | RB  | Modulation | Range(dBm)    |
|-------------|-----------|-----|------------|---------------|
| LTE Band 25 | 1.4 MHz   | 1   | QPSK       | 21.00 - 23.00 |
|             |           | 3   |            | 21.00 - 23.00 |
|             |           | 6   |            | 20.00 - 22.00 |
|             |           | 1   | 16QAM      | 20.00 - 22.00 |
|             |           | 3   |            | 20.00 - 22.00 |
|             |           | 6   |            | 19.00 - 21.00 |
|             | 3 MHz     | 1   | QPSK       | 21.00 - 23.00 |
|             |           | 8   |            | 20.00 - 22.00 |
|             |           | 15  |            | 20.00 - 22.00 |
|             |           | 1   | 16QAM      | 20.00 - 22.00 |
|             |           | 8   |            | 19.00 - 21.00 |
|             |           | 15  |            | 19.00 - 21.00 |
|             | 5 MHz     | 1   | QPSK       | 21.00 - 23.00 |
|             |           | 12  |            | 20.00 - 22.00 |
|             |           | 25  |            | 20.00 - 22.00 |
|             |           | 1   | 16QAM      | 20.00 - 22.00 |
|             |           | 12  |            | 19.00 - 21.00 |
|             |           | 25  |            | 19.00 - 21.00 |
|             | 10 MHz    | 1   | QPSK       | 21.00 - 23.00 |
|             |           | 25  |            | 20.00 - 22.00 |
|             |           | 50  |            | 20.00 - 22.00 |
|             |           | 1   | 16QAM      | 20.00 - 22.00 |
|             |           | 25  |            | 19.00 - 21.00 |
|             |           | 50  |            | 19.00 - 21.00 |
|             | 15 MHz    | 1   | QPSK       | 21.00 - 23.00 |
|             |           | 36  |            | 20.00 - 22.00 |
|             |           | 75  |            | 20.00 - 22.00 |
|             |           | 1   | 16QAM      | 20.00 - 22.00 |
|             |           | 36  |            | 19.00 - 21.00 |
|             |           | 75  |            | 19.00 - 21.00 |
|             | 20 MHz    | 1   | QPSK       | 21.00 - 23.00 |
|             |           | 50  |            | 20.00 - 22.00 |
|             |           | 100 |            | 20.00 - 22.00 |
|             |           | 1   | 16QAM      | 20.00 - 22.00 |
|             |           | 50  |            | 19.00 - 21.00 |
|             |           | 100 |            | 19.00 - 21.00 |

## RF Power Range (LTE- Full-Ant.0)

| Band        | Bandwidth | RB | Modulation | Range(dBm)    |
|-------------|-----------|----|------------|---------------|
| LTE Band 26 | 1.4 MHz   | 1  | QPSK       | 21.50 - 23.50 |
|             |           | 3  |            | 21.50 - 23.50 |
|             |           | 6  |            | 20.50 - 22.50 |
|             |           | 1  | 16QAM      | 20.50 - 22.50 |
|             |           | 3  |            | 20.50 - 22.50 |
|             |           | 6  |            | 19.50 - 21.50 |
|             | 3 MHz     | 1  | QPSK       | 21.50 - 23.50 |
|             |           | 8  |            | 20.50 - 22.50 |
|             |           | 15 |            | 20.50 - 22.50 |
|             |           | 1  | 16QAM      | 20.50 - 22.50 |
|             |           | 8  |            | 19.50 - 21.50 |
|             |           | 15 |            | 19.50 - 21.50 |
|             | 5 MHz     | 1  | QPSK       | 21.50 - 23.50 |
|             |           | 12 |            | 20.50 - 22.50 |
|             |           | 25 |            | 20.50 - 22.50 |
|             |           | 1  | 16QAM      | 20.50 - 22.50 |
|             |           | 12 |            | 19.50 - 21.50 |
|             |           | 25 |            | 19.50 - 21.50 |
|             | 10 MHz    | 1  | QPSK       | 21.50 - 23.50 |
|             |           | 25 |            | 20.50 - 22.50 |
|             |           | 50 |            | 20.50 - 22.50 |
|             |           | 1  | 16QAM      | 20.50 - 22.50 |
|             |           | 25 |            | 19.50 - 21.50 |
|             |           | 50 |            | 19.50 - 21.50 |
|             | 15 MHz    | 1  | QPSK       | 21.50 - 23.50 |
|             |           | 36 |            | 20.50 - 22.50 |
|             |           | 75 |            | 20.50 - 22.50 |
|             |           | 1  | 16QAM      | 20.50 - 22.50 |
|             |           | 36 |            | 19.50 - 21.50 |
|             |           | 75 |            | 19.50 - 21.50 |

## RF Power Range (LTE- Full-Ant.0)

| Band        | Bandwidth | RB  | Modulation | Range(dBm)    |
|-------------|-----------|-----|------------|---------------|
| LTE Band 66 | 1.4 MHz   | 1   | QPSK       | 21.00 - 23.00 |
|             |           | 3   |            | 21.00 - 23.00 |
|             |           | 6   |            | 20.00 - 22.00 |
|             |           | 1   | 16QAM      | 20.00 - 22.00 |
|             |           | 3   |            | 20.00 - 22.00 |
|             |           | 6   |            | 19.00 - 21.00 |
|             | 3 MHz     | 1   | QPSK       | 21.00 - 23.00 |
|             |           | 8   |            | 20.00 - 22.00 |
|             |           | 15  |            | 20.00 - 22.00 |
|             |           | 1   | 16QAM      | 20.00 - 22.00 |
|             |           | 8   |            | 19.00 - 21.00 |
|             |           | 15  |            | 19.00 - 21.00 |
|             | 5 MHz     | 1   | QPSK       | 21.00 - 23.00 |
|             |           | 12  |            | 20.00 - 22.00 |
|             |           | 25  |            | 20.00 - 22.00 |
|             |           | 1   | 16QAM      | 20.00 - 22.00 |
|             |           | 12  |            | 19.00 - 21.00 |
|             |           | 25  |            | 19.00 - 21.00 |
|             | 10 MHz    | 1   | QPSK       | 21.00 - 23.00 |
|             |           | 25  |            | 20.00 - 22.00 |
|             |           | 50  |            | 20.00 - 22.00 |
|             |           | 1   | 16QAM      | 20.00 - 22.00 |
|             |           | 25  |            | 19.00 - 21.00 |
|             |           | 50  |            | 19.00 - 21.00 |
|             | 15 MHz    | 1   | QPSK       | 21.00 - 23.00 |
|             |           | 36  |            | 20.00 - 22.00 |
|             |           | 75  |            | 20.00 - 22.00 |
|             |           | 1   | 16QAM      | 20.00 - 22.00 |
|             |           | 36  |            | 19.00 - 21.00 |
|             |           | 75  |            | 19.00 - 21.00 |
|             | 20 MHz    | 1   | QPSK       | 21.00 - 23.00 |
|             |           | 50  |            | 20.00 - 22.00 |
|             |           | 100 |            | 20.00 - 22.00 |
|             |           | 1   | 16QAM      | 20.00 - 22.00 |
|             |           | 50  |            | 19.00 - 21.00 |
|             |           | 100 |            | 19.00 - 21.00 |

## RF Power Range (LTE- Full-Ant.0)

| Band        | Bandwidth | RB  | Modulation | Range(dBm)    |
|-------------|-----------|-----|------------|---------------|
| LTE Band 71 | 5 MHz     | 1   | QPSK       | 21.50 - 23.50 |
|             |           | 12  |            | 20.50 - 22.50 |
|             |           | 25  |            | 20.50 - 22.50 |
|             |           | 1   | 16QAM      | 20.50 - 22.50 |
|             |           | 12  |            | 19.50 - 21.50 |
|             |           | 25  |            | 19.50 - 21.50 |
|             | 10 MHz    | 1   | QPSK       | 21.50 - 23.50 |
|             |           | 25  |            | 20.50 - 22.50 |
|             |           | 50  |            | 20.50 - 22.50 |
|             |           | 1   | 16QAM      | 20.50 - 22.50 |
|             |           | 25  |            | 19.50 - 21.50 |
|             |           | 50  |            | 19.50 - 21.50 |
|             | 15 MHz    | 1   | QPSK       | 21.50 - 23.50 |
|             |           | 36  |            | 20.50 - 22.50 |
|             |           | 75  |            | 20.50 - 22.50 |
|             |           | 1   | 16QAM      | 20.50 - 22.50 |
|             |           | 36  |            | 19.50 - 21.50 |
|             |           | 75  |            | 19.50 - 21.50 |
|             | 20 MHz    | 1   | QPSK       | 21.50 - 23.50 |
|             |           | 50  |            | 20.50 - 22.50 |
|             |           | 100 |            | 20.50 - 22.50 |
|             |           | 1   | 16QAM      | 20.50 - 22.50 |
|             |           | 50  |            | 19.50 - 21.50 |
|             |           | 100 |            | 19.50 - 21.50 |

## RF Power Range (WIFI2.4G- Full-Ant.1)

| Band (GHz) | Mode     | Channal | Frequency (MHz) | Range(dBm)    |
|------------|----------|---------|-----------------|---------------|
| 2.4        | 11b      | 1       | 2412            | 12.00 - 14.00 |
|            |          | 6       | 2437            | 12.50 - 14.50 |
|            |          | 11      | 2462            | 14.00 - 16.00 |
|            | 11g      | 1       | 2412            | 12.50 - 14.50 |
|            |          | 6       | 2437            | 12.50 - 14.50 |
|            |          | 11      | 2462            | 13.00 - 15.00 |
|            | 11n-HT20 | 1       | 2412            | 12.50 - 14.50 |
|            |          | 6       | 2437            | 12.50 - 14.50 |
|            |          | 11      | 2462            | 13.00 - 15.00 |

## RF Power Range (Bluetooth-Ant.1)

| Test Mode | Modulation | Channel number | Frequency(MHz) | Range(dBm) |   |       |
|-----------|------------|----------------|----------------|------------|---|-------|
| BT        | DH5        | 0              | 2402           | 3.50       | - | 5.50  |
|           |            | 39             | 2441           | 3.50       | - | 5.50  |
|           |            | 78             | 2480           | 3.50       | - | 5.50  |
|           | 2DH5       | 0              | 2402           | 1.00       | - | 3.00  |
|           |            | 39             | 2441           | 1.00       | - | 3.00  |
|           |            | 78             | 2480           | 1.00       | - | 3.00  |
|           | 3DH5       | 0              | 2402           | 1.00       | - | 3.00  |
|           |            | 39             | 2441           | 1.00       | - | 3.00  |
|           |            | 78             | 2480           | 1.00       | - | 3.00  |
|           | BLE-1M     | 0              | 2402           | -3.00      | - | -1.00 |
|           |            | 19             | 2440           | -3.00      | - | -1.00 |
|           |            | 39             | 2480           | -3.00      | - | -1.00 |