

## Appendix: LTE Band 2

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**Appendix A: Effective (Isotropic) Radiated Power Output Data****Test Result**

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|---------|
| Band2 | 5MHz      | QPSK       | 18625   | 1RB#0            | 22.76       | PASS    |
| Band2 | 5MHz      | QPSK       | 18625   | 1RB#12           | 22.96       | PASS    |
| Band2 | 5MHz      | QPSK       | 18625   | 1RB#24           | 23.02       | PASS    |
| Band2 | 5MHz      | QPSK       | 18625   | 12RB#0           | 21.97       | PASS    |
| Band2 | 5MHz      | QPSK       | 18625   | 12RB#6           | 21.94       | PASS    |
| Band2 | 5MHz      | QPSK       | 18625   | 12RB#13          | 22.16       | PASS    |
| Band2 | 5MHz      | QPSK       | 18625   | 25RB#0           | 22.00       | PASS    |
| Band2 | 5MHz      | QPSK       | 18900   | 1RB#0            | 22.68       | PASS    |
| Band2 | 5MHz      | QPSK       | 18900   | 1RB#12           | 20.80       | PASS    |
| Band2 | 5MHz      | QPSK       | 18900   | 1RB#24           | 20.93       | PASS    |
| Band2 | 5MHz      | QPSK       | 18900   | 12RB#0           | 19.95       | PASS    |
| Band2 | 5MHz      | QPSK       | 18900   | 12RB#6           | 19.93       | PASS    |
| Band2 | 5MHz      | QPSK       | 18900   | 12RB#13          | 19.94       | PASS    |
| Band2 | 5MHz      | QPSK       | 18900   | 25RB#0           | 19.83       | PASS    |
| Band2 | 5MHz      | QPSK       | 19175   | 1RB#0            | 20.98       | PASS    |
| Band2 | 5MHz      | QPSK       | 19175   | 1RB#12           | 23.08       | PASS    |
| Band2 | 5MHz      | QPSK       | 19175   | 1RB#24           | 22.82       | PASS    |
| Band2 | 5MHz      | QPSK       | 19175   | 12RB#0           | 22.40       | PASS    |
| Band2 | 5MHz      | QPSK       | 19175   | 12RB#6           | 22.41       | PASS    |
| Band2 | 5MHz      | QPSK       | 19175   | 12RB#13          | 22.08       | PASS    |
| Band2 | 5MHz      | QPSK       | 19175   | 25RB#0           | 22.19       | PASS    |
| Band2 | 5MHz      | 16QAM      | 18625   | 1RB#0            | 21.82       | PASS    |
| Band2 | 5MHz      | 16QAM      | 18625   | 1RB#12           | 22.19       | PASS    |
| Band2 | 5MHz      | 16QAM      | 18625   | 1RB#24           | 22.12       | PASS    |
| Band2 | 5MHz      | 16QAM      | 18625   | 12RB#0           | 21.00       | PASS    |
| Band2 | 5MHz      | 16QAM      | 18625   | 12RB#6           | 21.00       | PASS    |
| Band2 | 5MHz      | 16QAM      | 18625   | 12RB#13          | 21.11       | PASS    |
| Band2 | 5MHz      | 16QAM      | 18625   | 25RB#0           | 20.90       | PASS    |
| Band2 | 5MHz      | 16QAM      | 18900   | 1RB#0            | 21.93       | PASS    |
| Band2 | 5MHz      | 16QAM      | 18900   | 1RB#12           | 21.91       | PASS    |
| Band2 | 5MHz      | 16QAM      | 18900   | 1RB#24           | 20.02       | PASS    |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band2 | 5MHz  | 16QAM | 18900 | 12RB#0  | 21.93 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 12RB#6  | 21.96 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 12RB#13 | 21.97 | PASS |
| Band2 | 5MHz  | 16QAM | 18900 | 25RB#0  | 21.87 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 1RB#0   | 21.91 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 1RB#12  | 22.05 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 1RB#24  | 21.78 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 12RB#0  | 21.38 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 12RB#6  | 21.34 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 12RB#13 | 21.09 | PASS |
| Band2 | 5MHz  | 16QAM | 19175 | 25RB#0  | 21.16 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 1RB#0   | 22.62 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 1RB#24  | 22.91 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 1RB#49  | 22.57 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 25RB#0  | 21.77 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 25RB#12 | 21.78 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 25RB#25 | 21.74 | PASS |
| Band2 | 10MHz | QPSK  | 18650 | 50RB#0  | 21.68 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 1RB#0   | 22.87 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 1RB#24  | 20.83 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 1RB#49  | 21.11 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 25RB#0  | 21.85 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 25RB#12 | 21.87 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 25RB#25 | 21.86 | PASS |
| Band2 | 10MHz | QPSK  | 18900 | 50RB#0  | 21.70 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 1RB#0   | 20.94 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 1RB#24  | 23.41 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 1RB#49  | 22.92 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 25RB#0  | 22.47 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 25RB#12 | 22.52 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 25RB#25 | 22.14 | PASS |
| Band2 | 10MHz | QPSK  | 19150 | 50RB#0  | 22.26 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#0   | 21.68 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#12  | 21.99 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 1RB#24  | 21.90 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 12RB#0  | 21.67 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band2 | 10MHz | 16QAM | 18650 | 12RB#6  | 21.70 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 12RB#13 | 21.70 | PASS |
| Band2 | 10MHz | 16QAM | 18650 | 25RB#0  | 20.72 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#0   | 21.78 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#12  | 21.69 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 1RB#24  | 21.73 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 12RB#0  | 21.82 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 12RB#6  | 21.85 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 12RB#13 | 21.83 | PASS |
| Band2 | 10MHz | 16QAM | 18900 | 25RB#0  | 21.80 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#0   | 21.90 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#12  | 22.46 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 1RB#24  | 22.33 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 12RB#0  | 22.49 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 12RB#6  | 22.52 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 12RB#13 | 22.54 | PASS |
| Band2 | 10MHz | 16QAM | 19150 | 25RB#0  | 21.51 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 1RB#0   | 22.77 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 1RB#38  | 22.73 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 1RB#74  | 21.88 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 38RB#0  | 22.71 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 38RB#18 | 22.73 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 38RB#37 | 21.86 | PASS |
| Band2 | 15MHz | QPSK  | 18675 | 75RB#0  | 21.69 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 1RB#0   | 21.29 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 1RB#38  | 20.91 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 1RB#74  | 21.64 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 38RB#0  | 20.94 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 38RB#18 | 20.92 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 38RB#37 | 21.65 | PASS |
| Band2 | 15MHz | QPSK  | 18900 | 75RB#0  | 21.94 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 1RB#0   | 21.04 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 1RB#38  | 23.67 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 1RB#74  | 22.73 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 38RB#0  | 23.33 | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 38RB#18 | 23.71 | PASS |



|       |       |       |       |         |        |      |
|-------|-------|-------|-------|---------|--------|------|
| Band2 | 15MHz | QPSK  | 19125 | 38RB#37 | 22.75  | PASS |
| Band2 | 15MHz | QPSK  | 19125 | 75RB#0  | 22.58  | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#0   | 21.78  | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#12  | 21.00  | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 1RB#24  | 21.01  | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 12RB#0  | -20.42 | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 12RB#6  | 20.51  | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 12RB#13 | 21.85  | PASS |
| Band2 | 15MHz | 16QAM | 18675 | 25RB#0  | 21.00  | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#0   | 21.02  | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#12  | 21.99  | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 1RB#24  | 22.39  | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 12RB#0  | 20.04  | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 12RB#6  | 21.00  | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 12RB#13 | 22.46  | PASS |
| Band2 | 15MHz | 16QAM | 18900 | 25RB#0  | 21.08  | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#0   | 21.92  | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#12  | 22.52  | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#24  | 22.60  | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 12RB#0  | 22.53  | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 12RB#6  | 22.51  | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 12RB#13 | 22.50  | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 25RB#0  | 21.69  | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 1RB#0   | 22.95  | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 1RB#49  | 22.50  | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 1RB#99  | 21.38  | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 50RB#0  | 21.83  | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 50RB#25 | 21.83  | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 50RB#50 | 20.96  | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 100RB#0 | 21.48  | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 1RB#0   | 22.60  | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 1RB#49  | 20.86  | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 1RB#99  | 22.30  | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 50RB#0  | 20.08  | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 50RB#25 | 20.10  | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 50RB#50 | 20.09  | PASS |

|       |       |       |       |         |              |      |
|-------|-------|-------|-------|---------|--------------|------|
| Band2 | 20MHz | QPSK  | 18900 | 100RB#0 | 20.01        | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 1RB#0   | 21.40        | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 1RB#49  | <b>23.77</b> | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 1RB#99  | 22.98        | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 50RB#0  | 22.51        | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 50RB#25 | 22.48        | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 50RB#50 | 22.44        | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 100RB#0 | 22.86        | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#0   | 22.71        | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#12  | 21.00        | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#24  | 21.30        | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 12RB#0  | 21.85        | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 12RB#6  | 21.87        | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 12RB#13 | 21.85        | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 25RB#0  | 20.82        | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#0   | 21.44        | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#12  | 21.10        | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#24  | 21.80        | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 12RB#0  | 21.90        | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 12RB#6  | 21.38        | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 12RB#13 | 21.40        | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 25RB#0  | 20.28        | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#0   | 22.14        | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#12  | 21.72        | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#24  | 21.00        | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 12RB#0  | 21.37        | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 12RB#6  | 21.04        | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 12RB#13 | 21.88        | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 25RB#0  | 20.46        | PASS |

**Appendix B: Peak-to-Average Ratio(CCDF)****Test Result**

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band2 | 5MHz      | QPSK       | 18625   | 1RB#0            | 4.32       | 13        | PASS    |
| Band2 | 5MHz      | QPSK       | 18625   | 25RB#0           | 4.84       | 13        | PASS    |
| Band2 | 5MHz      | QPSK       | 18900   | 1RB#0            | 4.29       | 13        | PASS    |
| Band2 | 5MHz      | QPSK       | 18900   | 25RB#0           | 5.10       | 13        | PASS    |
| Band2 | 5MHz      | QPSK       | 19175   | 1RB#0            | 4.06       | 13        | PASS    |
| Band2 | 5MHz      | QPSK       | 19175   | 25RB#0           | 4.64       | 13        | PASS    |
| Band2 | 5MHz      | 16QAM      | 18625   | 1RB#0            | 5.22       | 13        | PASS    |
| Band2 | 5MHz      | 16QAM      | 18625   | 25RB#0           | 5.62       | 13        | PASS    |
| Band2 | 5MHz      | 16QAM      | 18900   | 1RB#0            | 5.25       | 13        | PASS    |
| Band2 | 5MHz      | 16QAM      | 18900   | 25RB#0           | 6.00       | 13        | PASS    |
| Band2 | 5MHz      | 16QAM      | 19175   | 1RB#0            | 4.93       | 13        | PASS    |
| Band2 | 5MHz      | 16QAM      | 19175   | 25RB#0           | 5.57       | 13        | PASS    |
| Band2 | 10MHz     | QPSK       | 18650   | 1RB#0            | 4.29       | 13        | PASS    |
| Band2 | 10MHz     | QPSK       | 18650   | 50RB#0           | 4.81       | 13        | PASS    |
| Band2 | 10MHz     | QPSK       | 18900   | 1RB#0            | 3.86       | 13        | PASS    |
| Band2 | 10MHz     | QPSK       | 18900   | 50RB#0           | 5.30       | 13        | PASS    |
| Band2 | 10MHz     | QPSK       | 19150   | 1RB#0            | 3.45       | 13        | PASS    |
| Band2 | 10MHz     | QPSK       | 19150   | 50RB#0           | 4.87       | 13        | PASS    |
| Band2 | 10MHz     | 16QAM      | 18650   | 1RB#0            | 5.25       | 13        | PASS    |
| Band2 | 10MHz     | 16QAM      | 18650   | 25RB#0           | 5.91       | 13        | PASS    |
| Band2 | 10MHz     | 16QAM      | 18900   | 1RB#0            | 4.75       | 13        | PASS    |
| Band2 | 10MHz     | 16QAM      | 18900   | 25RB#0           | 5.94       | 13        | PASS    |
| Band2 | 10MHz     | 16QAM      | 19150   | 1RB#0            | 8.46       | 13        | PASS    |
| Band2 | 10MHz     | 16QAM      | 19150   | 25RB#0           | 8.49       | 13        | PASS    |
| Band2 | 15MHz     | QPSK       | 18675   | 1RB#0            | 3.83       | 13        | PASS    |
| Band2 | 15MHz     | QPSK       | 18675   | 75RB#0           | 4.70       | 13        | PASS    |
| Band2 | 15MHz     | QPSK       | 18900   | 1RB#0            | 2.96       | 13        | PASS    |
| Band2 | 15MHz     | QPSK       | 18900   | 75RB#0           | 5.36       | 13        | PASS    |
| Band2 | 15MHz     | QPSK       | 19125   | 1RB#0            | 2.93       | 13        | PASS    |
| Band2 | 15MHz     | QPSK       | 19125   | 75RB#0           | 4.72       | 13        | PASS    |
| Band2 | 15MHz     | 16QAM      | 18675   | 1RB#0            | 4.29       | 13        | PASS    |
| Band2 | 15MHz     | 16QAM      | 18675   | 25RB#0           | 5.86       | 13        | PASS    |
| Band2 | 15MHz     | 16QAM      | 18900   | 1RB#0            | 4.12       | 13        | PASS    |



|       |       |       |       |         |      |    |      |
|-------|-------|-------|-------|---------|------|----|------|
| Band2 | 15MHz | 16QAM | 18900 | 25RB#0  | 5.59 | 13 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 1RB#0   | 3.42 | 13 | PASS |
| Band2 | 15MHz | 16QAM | 19125 | 25RB#0  | 5.01 | 13 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 1RB#0   | 4.00 | 13 | PASS |
| Band2 | 20MHz | QPSK  | 18700 | 100RB#0 | 4.52 | 13 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 1RB#0   | 3.19 | 13 | PASS |
| Band2 | 20MHz | QPSK  | 18900 | 100RB#0 | 5.16 | 13 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 1RB#0   | 3.54 | 13 | PASS |
| Band2 | 20MHz | QPSK  | 19100 | 100RB#0 | 4.58 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 1RB#0   | 4.38 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 18700 | 25RB#0  | 5.77 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 1RB#0   | 4.14 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 18900 | 25RB#0  | 5.33 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 1RB#0   | 4.06 | 13 | PASS |
| Band2 | 20MHz | 16QAM | 19100 | 25RB#0  | 5.22 | 13 | PASS |

Test Graphs

