

## **Appendix for LTE BAND 4**

Product Name: Mobile Phone

Model No: STAR

## Appendix A: Average Power Output Data

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#0            | 22.00       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#0            | 22.71       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#2            | 22.01       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#2            | 22.78       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#5            | 21.99       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#5            | 22.69       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 3RB#0            | 22.07       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 3RB#0            | 21.39       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 3RB#1            | 22.08       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 3RB#1            | 21.16       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 3RB#3            | 22.10       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 3RB#3            | 21.40       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | 21.62       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | 20.69       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#0            | 21.54       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#0            | 21.81       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#2            | 21.63       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#2            | 21.89       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#5            | 21.61       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#5            | 21.77       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 3RB#0            | 21.75       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 3RB#0            | 21.02       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 3RB#1            | 21.76       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 3RB#1            | 20.82       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 3RB#3            | 21.74       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 3RB#3            | 21.03       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 21.24       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 20.37       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#0            | 22.28       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#0            | 22.80       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#2            | 22.22       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#2            | 22.84       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#5            | 22.35       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#5            | 22.75       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 3RB#0            | 22.34       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 3RB#0            | 21.97       | PASS    |

|       |        |       |       |        |       |      |
|-------|--------|-------|-------|--------|-------|------|
| Band4 | 1.4MHz | QPSK  | 20393 | 3RB#1  | 22.35 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#1  | 21.34 | PASS |
| Band4 | 1.4MHz | QPSK  | 20393 | 3RB#3  | 22.33 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 3RB#3  | 21.98 | PASS |
| Band4 | 1.4MHz | QPSK  | 20393 | 6RB#0  | 21.87 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0  | 21.07 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 1RB#0  | 22.01 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 1RB#0  | 21.94 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 1RB#8  | 22.07 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 1RB#8  | 22.19 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 1RB#14 | 21.92 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 1RB#14 | 21.88 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 8RB#0  | 21.51 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 8RB#0  | 20.84 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 8RB#4  | 21.53 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 8RB#4  | 20.81 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 8RB#7  | 21.51 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 8RB#7  | 20.69 | PASS |
| Band4 | 3MHz   | QPSK  | 19965 | 15RB#0 | 21.54 | PASS |
| Band4 | 3MHz   | 16QAM | 19965 | 15RB#0 | 20.77 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 1RB#0  | 21.70 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 1RB#0  | 21.52 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 1RB#8  | 21.70 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 1RB#8  | 21.82 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 1RB#14 | 21.71 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 1RB#14 | 21.56 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 8RB#0  | 21.19 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 8RB#0  | 20.44 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 8RB#4  | 21.22 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 8RB#4  | 20.49 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 8RB#7  | 21.18 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 8RB#7  | 20.50 | PASS |
| Band4 | 3MHz   | QPSK  | 20175 | 15RB#0 | 21.25 | PASS |
| Band4 | 3MHz   | 16QAM | 20175 | 15RB#0 | 20.37 | PASS |
| Band4 | 3MHz   | QPSK  | 20385 | 1RB#0  | 22.29 | PASS |
| Band4 | 3MHz   | 16QAM | 20385 | 1RB#0  | 22.15 | PASS |
| Band4 | 3MHz   | QPSK  | 20385 | 1RB#8  | 22.28 | PASS |
| Band4 | 3MHz   | 16QAM | 20385 | 1RB#8  | 22.33 | PASS |
| Band4 | 3MHz   | QPSK  | 20385 | 1RB#14 | 22.26 | PASS |
| Band4 | 3MHz   | 16QAM | 20385 | 1RB#14 | 22.08 | PASS |
| Band4 | 3MHz   | QPSK  | 20385 | 8RB#0  | 21.80 | PASS |
| Band4 | 3MHz   | 16QAM | 20385 | 8RB#0  | 21.18 | PASS |

|       |      |       |       |         |       |      |
|-------|------|-------|-------|---------|-------|------|
| Band4 | 3MHz | QPSK  | 20385 | 8RB#4   | 21.82 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#4   | 21.16 | PASS |
| Band4 | 3MHz | QPSK  | 20385 | 8RB#7   | 21.81 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 8RB#7   | 21.15 | PASS |
| Band4 | 3MHz | QPSK  | 20385 | 15RB#0  | 21.82 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0  | 21.03 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 1RB#0   | 22.08 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0   | 21.63 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 1RB#12  | 22.10 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#12  | 21.42 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 1RB#24  | 22.15 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#24  | 21.39 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 12RB#0  | 21.64 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#0  | 20.72 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 12RB#6  | 21.65 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#6  | 20.75 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 12RB#13 | 21.58 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 12RB#13 | 20.63 | PASS |
| Band4 | 5MHz | QPSK  | 19975 | 25RB#0  | 21.50 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0  | 20.69 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 1RB#0   | 21.77 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#0   | 21.11 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 1RB#12  | 21.83 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#12  | 21.06 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 1RB#24  | 21.85 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#24  | 21.02 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 12RB#0  | 21.31 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#0  | 20.30 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 12RB#6  | 21.16 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#6  | 20.44 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 12RB#13 | 21.29 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 12RB#13 | 20.29 | PASS |
| Band4 | 5MHz | QPSK  | 20175 | 25RB#0  | 21.15 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 25RB#0  | 20.46 | PASS |
| Band4 | 5MHz | QPSK  | 20375 | 1RB#0   | 22.44 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#0   | 22.01 | PASS |
| Band4 | 5MHz | QPSK  | 20375 | 1RB#12  | 22.37 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#12  | 21.92 | PASS |
| Band4 | 5MHz | QPSK  | 20375 | 1RB#24  | 22.42 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#24  | 22.07 | PASS |
| Band4 | 5MHz | QPSK  | 20375 | 12RB#0  | 21.92 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 12RB#0  | 21.02 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band4 | 5MHz  | QPSK  | 20375 | 12RB#6  | 22.00 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 12RB#6  | 21.10 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 12RB#13 | 21.83 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 12RB#13 | 20.96 | PASS |
| Band4 | 5MHz  | QPSK  | 20375 | 25RB#0  | 22.01 | PASS |
| Band4 | 5MHz  | 16QAM | 20375 | 25RB#0  | 21.13 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#0   | 22.07 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0   | 22.04 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#24  | 21.94 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#24  | 22.15 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 1RB#49  | 21.96 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#49  | 21.85 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 25RB#0  | 21.59 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#0  | 20.59 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 25RB#12 | 21.60 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#12 | 20.60 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 25RB#25 | 21.44 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 25RB#25 | 20.56 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 50RB#0  | 21.63 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0  | 20.61 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#0   | 21.74 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0   | 21.89 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#24  | 21.65 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#24  | 21.79 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#49  | 21.72 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#49  | 21.89 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 25RB#0  | 21.26 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#0  | 20.30 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 25RB#12 | 21.22 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#12 | 20.31 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 25RB#25 | 21.28 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 25RB#25 | 20.28 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 50RB#0  | 21.31 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0  | 20.43 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#0   | 22.23 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0   | 22.34 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#24  | 22.43 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#24  | 22.55 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#49  | 22.30 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#49  | 22.47 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 25RB#0  | 22.06 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#0  | 21.06 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band4 | 10MHz | QPSK  | 20350 | 25RB#12 | 21.90 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#12 | 21.06 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 25RB#25 | 22.05 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 25RB#25 | 21.07 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 50RB#0  | 22.06 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0  | 21.26 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#0   | 22.14 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0   | 22.08 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#38  | 21.99 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#38  | 22.11 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#74  | 21.80 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#74  | 21.67 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 38RB#0  | 21.54 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#0  | 21.54 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 38RB#18 | 21.54 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#18 | 21.59 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 38RB#37 | 21.56 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 38RB#37 | 21.59 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 75RB#0  | 21.54 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0  | 20.76 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#0   | 21.81 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0   | 21.97 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#38  | 21.71 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#38  | 21.52 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#74  | 21.68 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#74  | 21.92 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 38RB#0  | 21.29 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#0  | 21.30 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 38RB#18 | 21.30 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#18 | 21.30 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 38RB#37 | 21.31 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 38RB#37 | 21.31 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 75RB#0  | 21.30 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0  | 20.45 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#0   | 22.06 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0   | 22.06 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#38  | 22.43 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#38  | 22.34 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#74  | 22.31 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#74  | 22.24 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 38RB#0  | 21.86 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#0  | 21.86 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band4 | 15MHz | QPSK  | 20325 | 38RB#18 | 21.86 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#18 | 21.86 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 38RB#37 | 21.86 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 38RB#37 | 21.87 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 75RB#0  | 21.91 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0  | 21.05 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#0   | 22.41 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0   | 22.06 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#49  | 22.19 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#49  | 21.90 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#99  | 21.96 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#99  | 21.71 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 50RB#0  | 21.61 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#0  | 20.81 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 50RB#25 | 21.67 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#25 | 20.83 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 50RB#50 | 21.41 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 50RB#50 | 20.56 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 100RB#0 | 21.43 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | 20.69 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#0   | 22.06 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0   | 21.83 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#49  | 21.61 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#49  | 21.42 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#99  | 22.02 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#99  | 21.70 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 50RB#0  | 21.27 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#0  | 20.57 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 50RB#25 | 21.23 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#25 | 20.58 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 50RB#50 | 21.34 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 50RB#50 | 20.50 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 100RB#0 | 21.21 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | 20.36 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#0   | 22.25 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0   | 21.46 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#49  | 22.51 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#49  | 21.34 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#99  | 22.86 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#99  | 21.89 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 50RB#0  | 21.59 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#0  | 20.67 | PASS |

|       |       |       |       |         |       |      |
|-------|-------|-------|-------|---------|-------|------|
| Band4 | 20MHz | QPSK  | 20300 | 50RB#25 | 21.47 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#25 | 20.67 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 50RB#50 | 21.96 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 50RB#50 | 21.07 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 100RB#0 | 21.62 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 20.78 | PASS |

## Appendix B: Peak-to-Average Ratio(CCDF)

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dB) | Limit(dB) | Verdict |
|-------|-----------|------------|---------|------------------|------------|-----------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#0            | 4.81       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#0            | 5.01       | 13        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | 5.07       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | 5.62       | 13        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#0            | 5.48       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#0            | 6.12       | 13        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 6RB#0            | 5.74       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 6RB#0            | 6.38       | 13        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#0            | 4.78       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#0            | 4.81       | 13        | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0            | 5.13       | 13        | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | 5.77       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 1RB#0            | 4.81       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 1RB#0            | 5.13       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0           | 5.10       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 15RB#0           | 5.83       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 1RB#0            | 5.51       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 20175   | 1RB#0            | 6.09       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 15RB#0           | 5.80       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 20175   | 15RB#0           | 6.49       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 1RB#0            | 4.90       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 1RB#0            | 5.39       | 13        | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 15RB#0           | 5.22       | 13        | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 15RB#0           | 5.88       | 13        | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 1RB#0            | 4.90       | 13        | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 1RB#0            | 5.22       | 13        | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 25RB#0           | 5.16       | 13        | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 25RB#0           | 5.77       | 13        | PASS    |
| Band4 | 5MHz      | QPSK       | 20175   | 1RB#0            | 5.57       | 13        | PASS    |
| Band4 | 5MHz      | 16QAM      | 20175   | 1RB#0            | 5.77       | 13        | PASS    |
| Band4 | 5MHz      | QPSK       | 20175   | 25RB#0           | 5.74       | 13        | PASS    |
| Band4 | 5MHz      | 16QAM      | 20175   | 25RB#0           | 6.41       | 13        | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 1RB#0            | 5.04       | 13        | PASS    |
| Band4 | 5MHz      | 16QAM      | 20375   | 1RB#0            | 5.30       | 13        | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 25RB#0           | 5.22       | 13        | PASS    |
| Band4 | 5MHz      | 16QAM      | 20375   | 25RB#0           | 5.77       | 13        | PASS    |
| Band4 | 10MHz     | QPSK       | 20000   | 1RB#0            | 4.84       | 13        | PASS    |

|       |       |       |       |         |      |    |      |
|-------|-------|-------|-------|---------|------|----|------|
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0   | 4.99 | 13 | PASS |
| Band4 | 10MHz | QPSK  | 20000 | 50RB#0  | 5.19 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0  | 5.86 | 13 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 1RB#0   | 5.42 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0   | 6.03 | 13 | PASS |
| Band4 | 10MHz | QPSK  | 20175 | 50RB#0  | 5.74 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0  | 6.49 | 13 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#0   | 5.13 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0   | 5.48 | 13 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 50RB#0  | 5.28 | 13 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0  | 5.94 | 13 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#0   | 4.84 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0   | 4.99 | 13 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 75RB#0  | 5.57 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0  | 6.00 | 13 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#0   | 5.54 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0   | 5.80 | 13 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 75RB#0  | 5.97 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0  | 6.46 | 13 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#0   | 5.36 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0   | 5.91 | 13 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 75RB#0  | 5.54 | 13 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0  | 6.00 | 13 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#0   | 4.61 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0   | 4.99 | 13 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 100RB#0 | 5.42 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | 6.12 | 13 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#0   | 5.33 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0   | 5.48 | 13 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 100RB#0 | 5.74 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | 6.38 | 13 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#0   | 5.36 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0   | 6.00 | 13 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 100RB#0 | 5.48 | 13 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 6.17 | 13 | PASS |

Test Graphs



















