

## **Appendix for N14**

Product Name: 5G Window CPE  
Model No: TITAN 5100

## Appendix A: Average Power Output Data

### Test Result

| Band | SCS | Bandwidth | Modulation | Channel | RB Config      | Power (dBm) | Power Class | Verdict |
|------|-----|-----------|------------|---------|----------------|-------------|-------------|---------|
| N14  | 15  | 5         | DFT-QPSK   | L       | Outer_Full     | 22.93       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | L       | Inner_Full     | 22.93       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | L       | Edge_1RB_Left  | 23.20       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | L       | Edge_1RB_Right | 22.74       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Outer_Full     | 22.05       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Inner_Full     | 23.00       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Edge_1RB_Left  | 21.51       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Edge_1RB_Right | 22.20       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | M       | Outer_Full     | 23.05       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | M       | Inner_Full     | 22.97       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | M       | Edge_1RB_Left  | 23.16       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | M       | Edge_1RB_Right | 22.86       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | M       | Outer_Full     | 22.02       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | M       | Inner_Full     | 23.14       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | M       | Edge_1RB_Left  | 22.22       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | M       | Edge_1RB_Right | 22.23       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | H       | Outer_Full     | 23.06       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | H       | Inner_Full     | 23.14       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | H       | Edge_1RB_Left  | 22.91       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | H       | Edge_1RB_Right | 22.96       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | H       | Outer_Full     | 22.10       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | H       | Inner_Full     | 23.02       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | H       | Edge_1RB_Left  | 21.95       | PC3         | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | H       | Edge_1RB_Right | 22.45       | PC3         | PASS    |
| N14  | 15  | 10        | DFT-QPSK   | L       | Outer_Full     | 23.09       | PC3         | PASS    |
| N14  | 15  | 10        | DFT-QPSK   | L       | Inner_Full     | 23.01       | PC3         | PASS    |
| N14  | 15  | 10        | DFT-QPSK   | L       | Edge_1RB_Left  | 23.12       | PC3         | PASS    |
| N14  | 15  | 10        | DFT-QPSK   | L       | Edge_1RB_Right | 23.29       | PC3         | PASS    |
| N14  | 15  | 10        | DFT-16QAM  | L       | Outer_Full     | 22.13       | PC3         | PASS    |
| N14  | 15  | 10        | DFT-16QAM  | L       | Inner_Full     | 23.14       | PC3         | PASS    |
| N14  | 15  | 10        | DFT-16QAM  | L       | Edge_1RB_Left  | 22.41       | PC3         | PASS    |
| N14  | 15  | 10        | DFT-16QAM  | L       | Edge_1RB_Right | 22.15       | PC3         | PASS    |
| N14  | 15  | 10        | DFT-QPSK   | M       | Outer_Full     | 23.05       | PC3         | PASS    |
| N14  | 15  | 10        | DFT-QPSK   | M       | Inner_Full     | 22.98       | PC3         | PASS    |
| N14  | 15  | 10        | DFT-QPSK   | M       | Edge_1RB_Left  | 23.46       | PC3         | PASS    |

|     |    |    |           |   |                |       |     |      |
|-----|----|----|-----------|---|----------------|-------|-----|------|
| N14 | 15 | 10 | DFT-QPSK  | M | Edge_1RB_Right | 23.47 | PC3 | PASS |
| N14 | 15 | 10 | DFT-16QAM | M | Outer_Full     | 22.15 | PC3 | PASS |
| N14 | 15 | 10 | DFT-16QAM | M | Inner_Full     | 23.09 | PC3 | PASS |
| N14 | 15 | 10 | DFT-16QAM | M | Edge_1RB_Left  | 22.10 | PC3 | PASS |
| N14 | 15 | 10 | DFT-16QAM | M | Edge_1RB_Right | 22.07 | PC3 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | H | Outer_Full     | 23.03 | PC3 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | H | Inner_Full     | 23.09 | PC3 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | H | Edge_1RB_Left  | 23.21 | PC3 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | H | Edge_1RB_Right | 23.21 | PC3 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Outer_Full     | 22.09 | PC3 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Inner_Full     | 23.11 | PC3 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Edge_1RB_Left  | 22.47 | PC3 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Edge_1RB_Right | 22.57 | PC3 | PASS |

## Appendix B: Peak-to-Average Ratio for SA

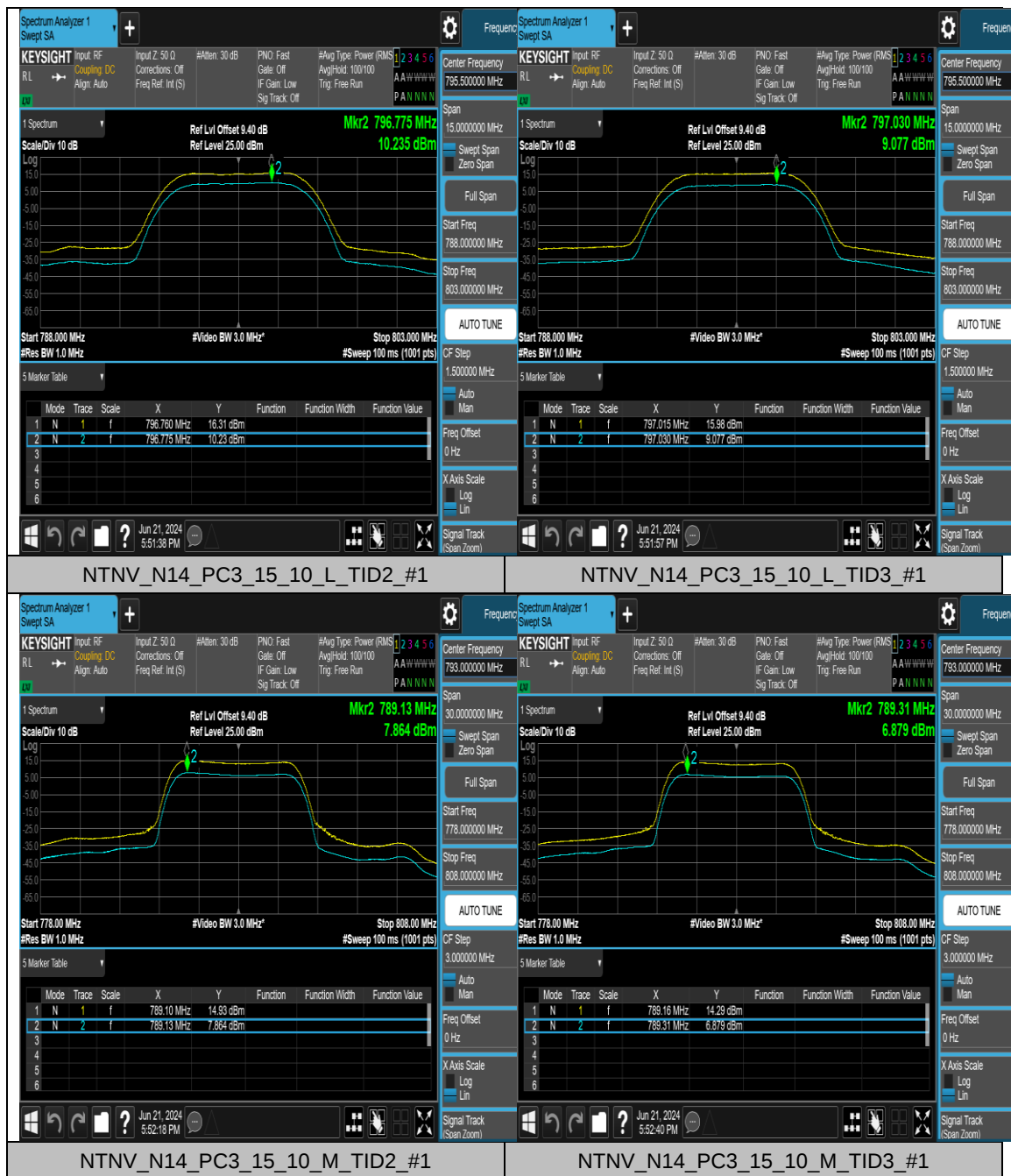
### Peak-to-Average Ratio(PAPR)

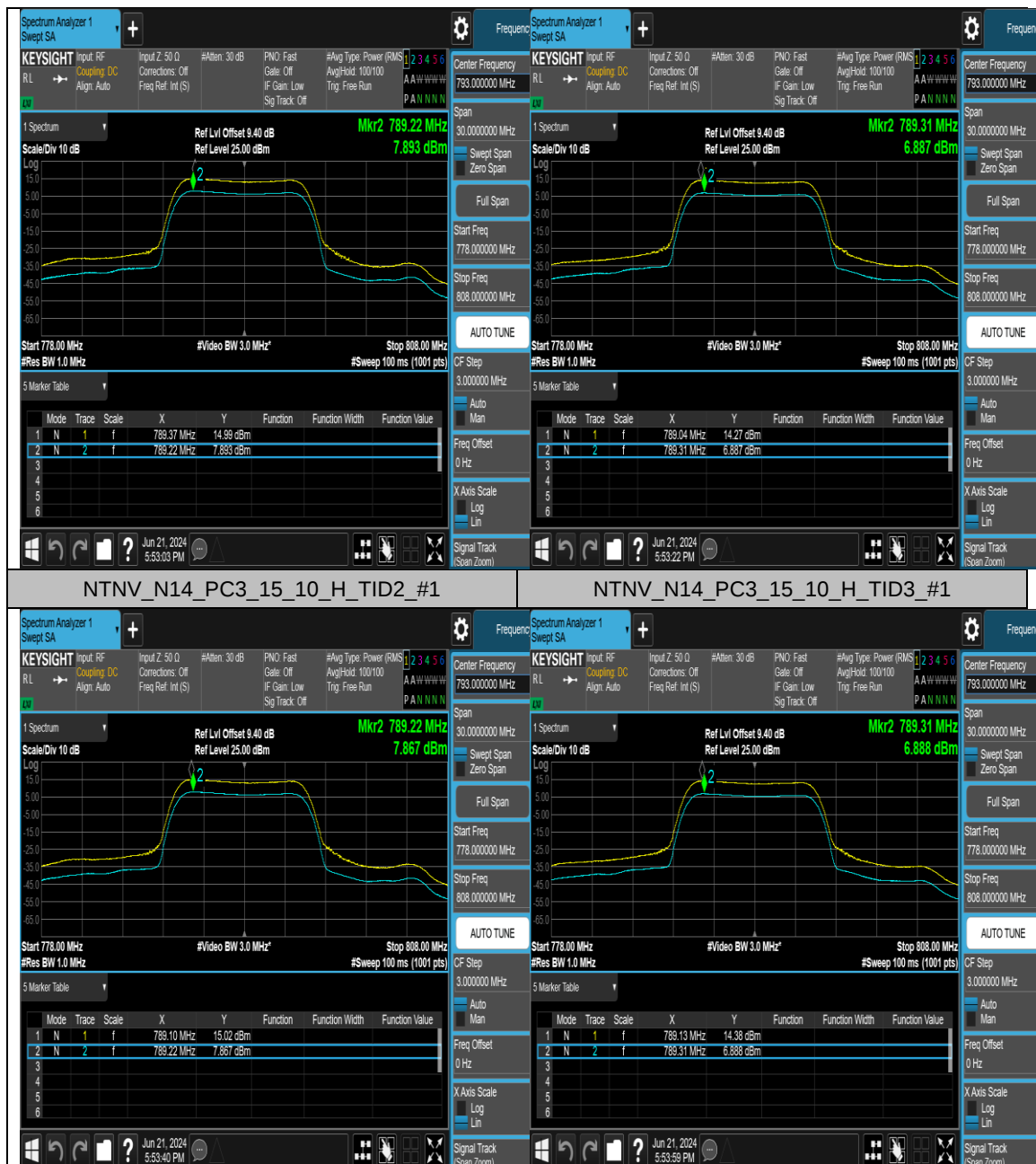
#### Test Result

| Band | SCS | Bandwidth | Modulation | Channel | RB Config  | DutyCycle | Factor | Result | Limit | Verdict |
|------|-----|-----------|------------|---------|------------|-----------|--------|--------|-------|---------|
| N14  | 15  | 5         | DFT-QPSK   | L       | Outer_Full | 100%      | 0.00   | 6.19   | ≤13   | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Outer_Full | 100%      | 0.00   | 6.85   | ≤13   | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | M       | Outer_Full | 100%      | 0.00   | 6.12   | ≤13   | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | M       | Outer_Full | 100%      | 0.00   | 6.95   | ≤13   | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | H       | Outer_Full | 100%      | 0.00   | 6.07   | ≤13   | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | H       | Outer_Full | 100%      | 0.00   | 6.90   | ≤13   | PASS    |
| N14  | 15  | 10        | DFT-QPSK   | L       | Outer_Full | 100%      | 0.00   | 7.07   | ≤13   | PASS    |
| N14  | 15  | 10        | DFT-16QAM  | L       | Outer_Full | 100%      | 0.00   | 7.41   | ≤13   | PASS    |
| N14  | 15  | 10        | DFT-QPSK   | M       | Outer_Full | 100%      | 0.00   | 7.11   | ≤13   | PASS    |
| N14  | 15  | 10        | DFT-16QAM  | M       | Outer_Full | 100%      | 0.00   | 7.38   | ≤13   | PASS    |
| N14  | 15  | 10        | DFT-QPSK   | H       | Outer_Full | 100%      | 0.00   | 7.15   | ≤13   | PASS    |
| N14  | 15  | 10        | DFT-16QAM  | H       | Outer_Full | 100%      | 0.00   | 7.49   | ≤13   | PASS    |

## Test Graphs





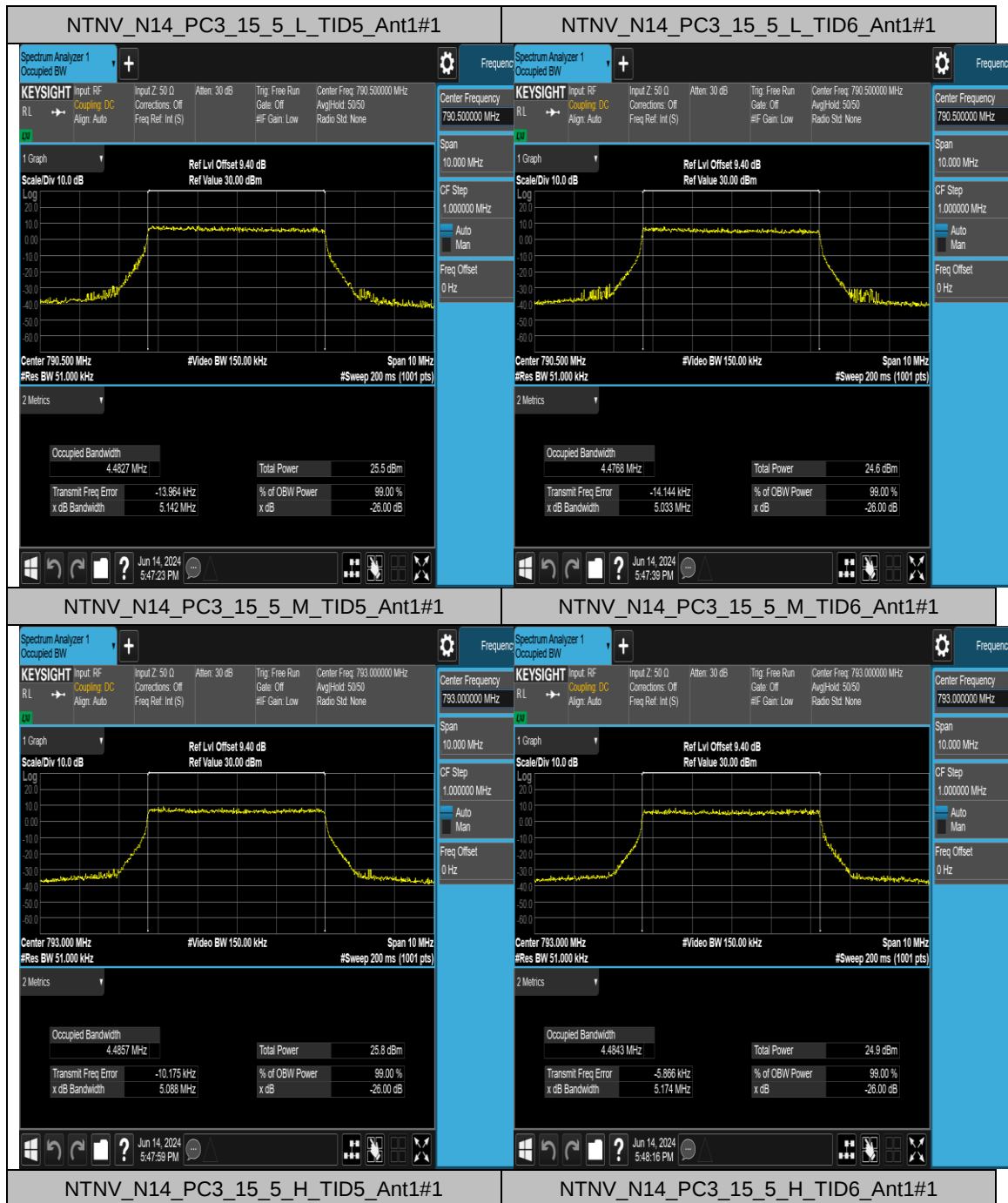


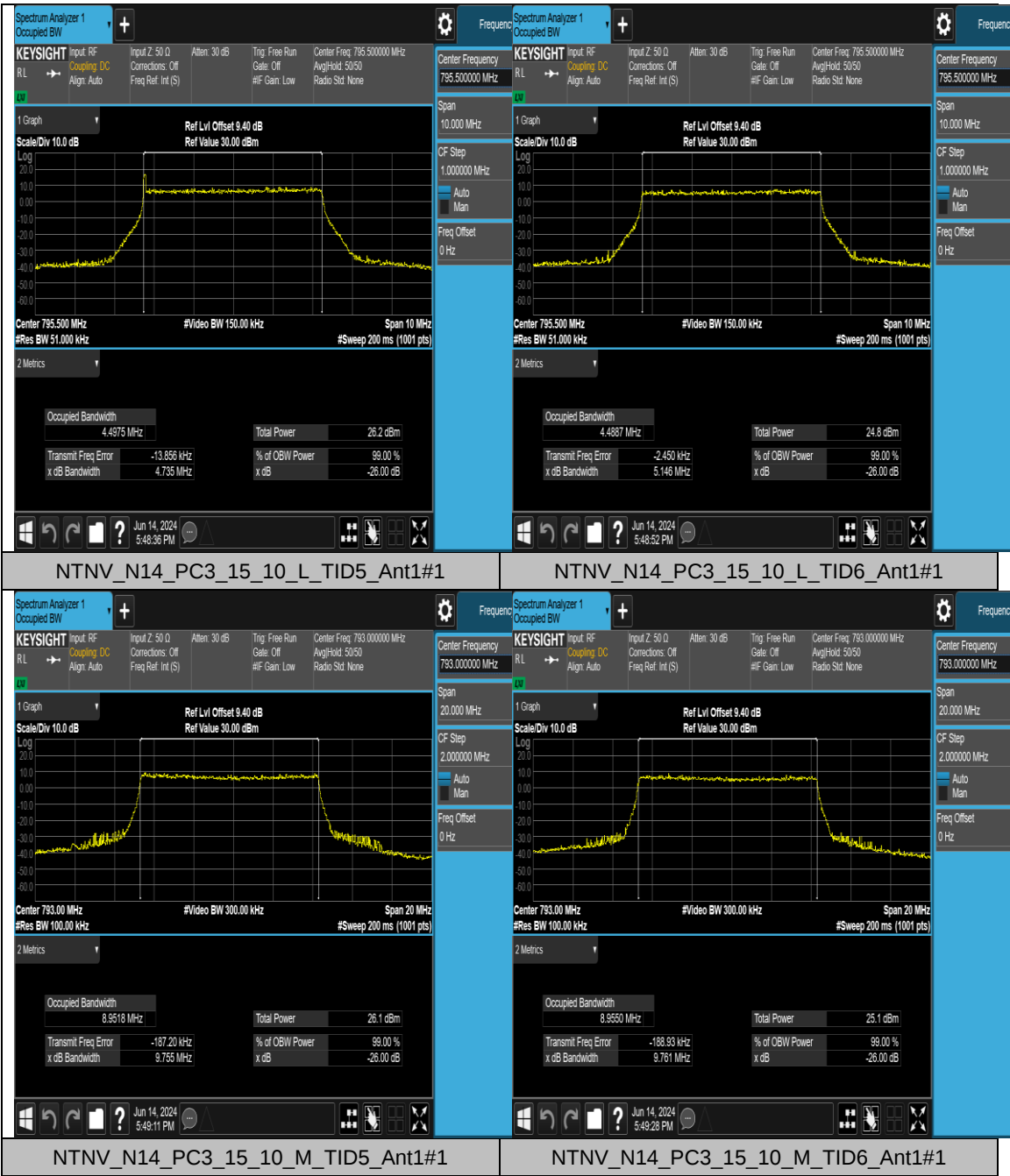
## Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA

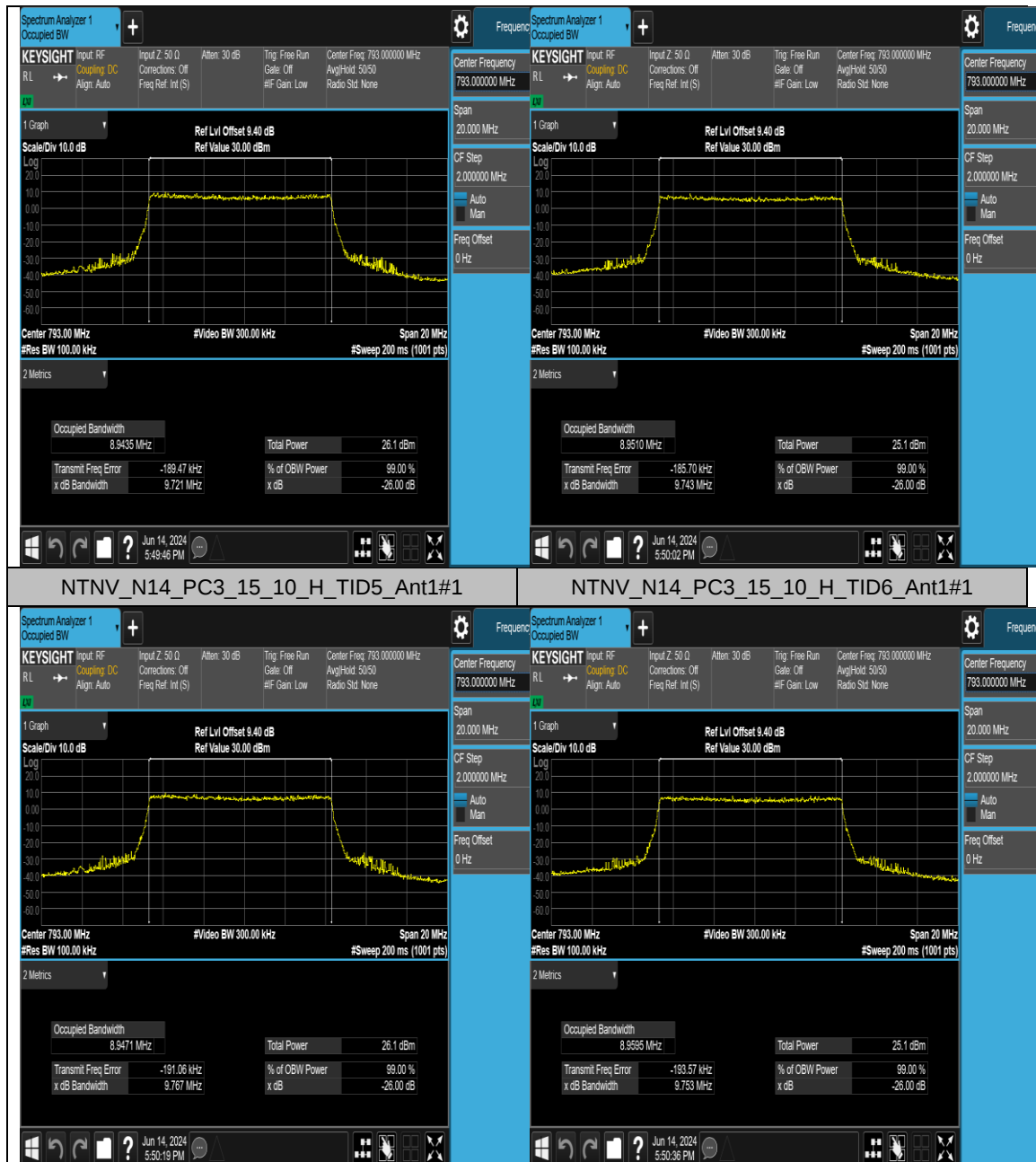
### Test Result

| Band | SCS | Bandwidth | Modulation | Channel | RB Config  | Result (99%) | Result (26dB) | Verdict |
|------|-----|-----------|------------|---------|------------|--------------|---------------|---------|
| N14  | 15  | 5         | DFT-QPSK   | L       | Outer_Full | 4.4827       | 5.142         | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Outer_Full | 4.4768       | 5.033         | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | M       | Outer_Full | 4.4857       | 5.088         | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | M       | Outer_Full | 4.4843       | 5.174         | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | H       | Outer_Full | 4.4975       | 4.735         | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | H       | Outer_Full | 4.4887       | 5.146         | PASS    |
| N14  | 15  | 10        | DFT-QPSK   | L       | Outer_Full | 8.9518       | 9.755         | PASS    |
| N14  | 15  | 10        | DFT-16QAM  | L       | Outer_Full | 8.9550       | 9.761         | PASS    |
| N14  | 15  | 10        | DFT-QPSK   | M       | Outer_Full | 8.9435       | 9.721         | PASS    |
| N14  | 15  | 10        | DFT-16QAM  | M       | Outer_Full | 8.9510       | 9.743         | PASS    |
| N14  | 15  | 10        | DFT-QPSK   | H       | Outer_Full | 8.9471       | 9.767         | PASS    |
| N14  | 15  | 10        | DFT-16QAM  | H       | Outer_Full | 8.9595       | 9.753         | PASS    |

## Test Graphs





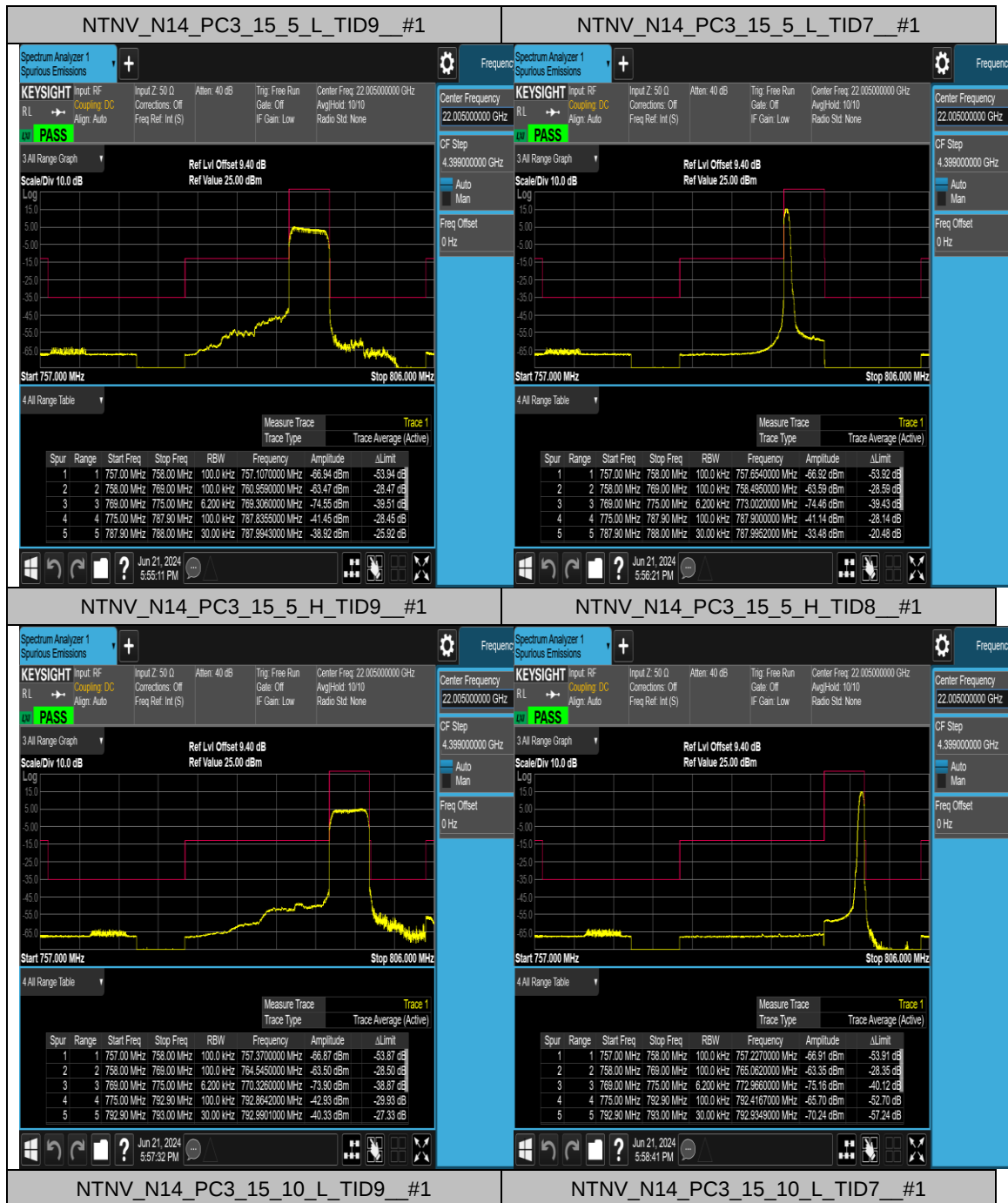


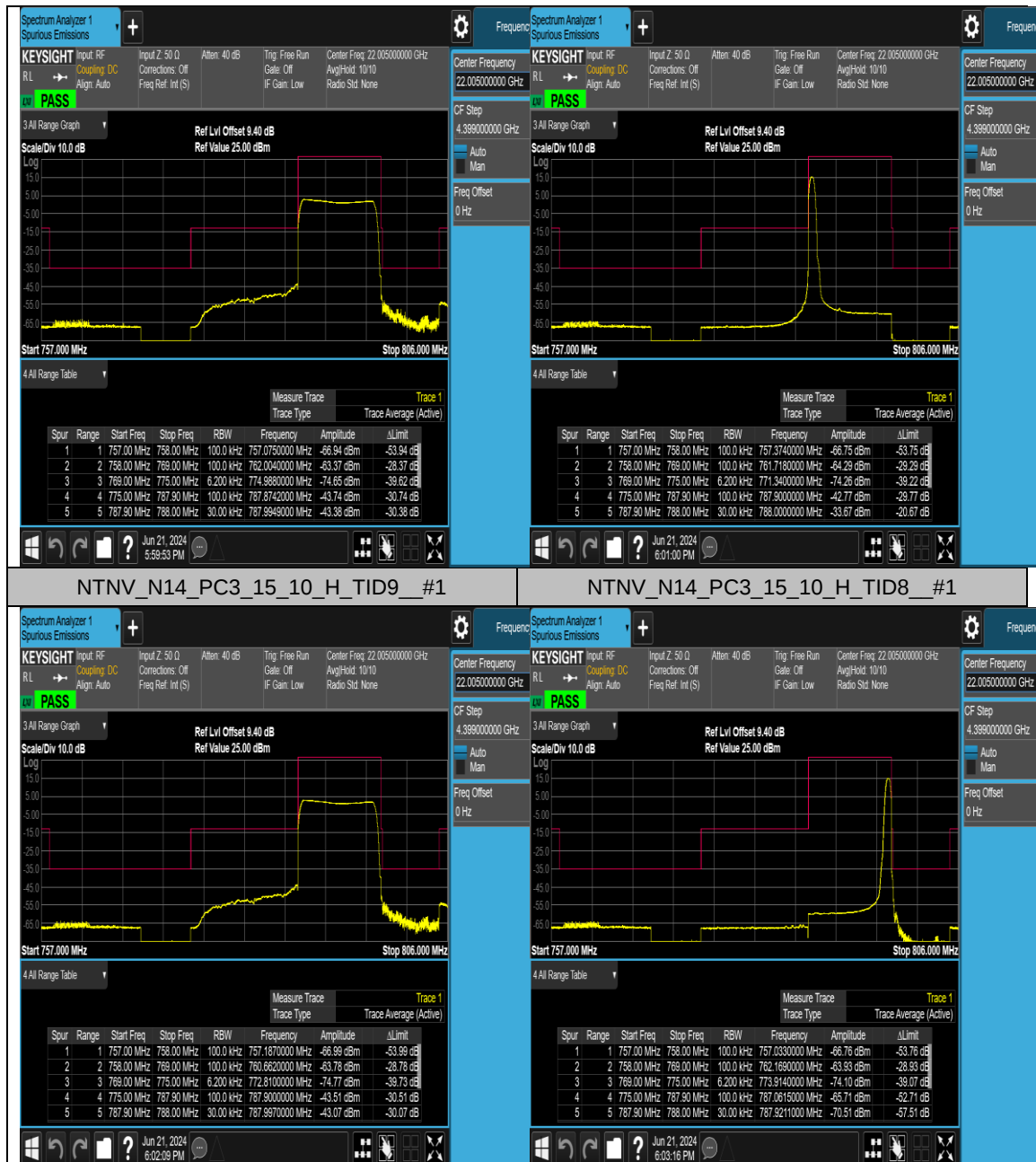
## Appendix D: Band Edge for SA

### Test Result

| Band | SCS | Bandwidth | Modulation | Channel | RB Config      | Verdict |
|------|-----|-----------|------------|---------|----------------|---------|
| N14  | 15  | 5         | DFT-QPSK   | L       | Outer_Full     | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | L       | Edge_1RB_Left  | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | H       | Outer_Full     | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | H       | Edge_1RB_Right | PASS    |
| N14  | 15  | 10        | DFT-QPSK   | L       | Outer_Full     | PASS    |
| N14  | 15  | 10        | DFT-QPSK   | L       | Edge_1RB_Left  | PASS    |
| N14  | 15  | 10        | DFT-QPSK   | H       | Outer_Full     | PASS    |
| N14  | 15  | 10        | DFT-QPSK   | H       | Edge_1RB_Right | PASS    |

## Test Graphs





## Appendix E: Conducted Spurious Emission for SA

### Test Result

| Band | SCS | Bandwidth | Modulation | Channel | RB Config      | StartFreq | StopFreq | Result | Limit | Verdict |
|------|-----|-----------|------------|---------|----------------|-----------|----------|--------|-------|---------|
| N14  | 15  | 5         | DFT-QPSK   | L       | Outer_Full     | 0.009     | 0.15     | -62.50 | -33   | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | L       | Outer_Full     | 0.15      | 30       | -72.65 | -23   | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | L       | Outer_Full     | 30        | 1000     | -52.29 | -13   | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | L       | Outer_Full     | 1000      | 3000     | -36.37 | -13   | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | L       | Outer_Full     | 3000      | 12000    | -44.06 | -13   | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | L       | Outer_Full     | 12000     | 20000    | -45.50 | -13   | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | L       | Edge_1RB_Left  | 0.009     | 0.15     | -61.31 | -33   | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | L       | Edge_1RB_Left  | 0.15      | 30       | -70.89 | -23   | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | L       | Edge_1RB_Left  | 30        | 1000     | -52.50 | -13   | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | L       | Edge_1RB_Left  | 1000      | 3000     | -36.71 | -13   | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | L       | Edge_1RB_Left  | 3000      | 12000    | -44.05 | -13   | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | L       | Edge_1RB_Left  | 12000     | 20000    | -45.40 | -13   | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | L       | Edge_1RB_Right | 0.009     | 0.15     | -61.42 | -33   | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | L       | Edge_1RB_Right | 0.15      | 30       | -72.64 | -23   | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | L       | Edge_1RB_Right | 30        | 1000     | -52.69 | -13   | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | L       | Edge_1RB_Right | 1000      | 3000     | -36.72 | -13   | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | L       | Edge_1RB_Right | 3000      | 12000    | -44.15 | -13   | PASS    |
| N14  | 15  | 5         | DFT-QPSK   | L       | Edge_1RB_Right | 12000     | 20000    | -45.24 | -13   | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Outer_Full     | 0.009     | 0.15     | -62.35 | -33   | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Outer_Full     | 0.15      | 30       | -72.84 | -23   | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Outer_Full     | 30        | 1000     | -52.47 | -13   | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Outer_Full     | 1000      | 3000     | -36.49 | -13   | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Outer_Full     | 3000      | 12000    | -44.11 | -13   | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Outer_Full     | 12000     | 20000    | -45.39 | -13   | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Edge_1RB_Left  | 0.009     | 0.15     | -62.57 | -33   | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Edge_1RB_Left  | 0.15      | 30       | -73.21 | -23   | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Edge_1RB_Left  | 30        | 1000     | -52.47 | -13   | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Edge_1RB_Left  | 1000      | 3000     | -36.74 | -13   | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Edge_1RB_Left  | 3000      | 12000    | -44.15 | -13   | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Edge_1RB_Left  | 12000     | 20000    | -45.29 | -13   | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Edge_1RB_Right | 0.009     | 0.15     | -62.68 | -33   | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Edge_1RB_Right | 0.15      | 30       | -72.77 | -23   | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Edge_1RB_Right | 30        | 1000     | -52.50 | -13   | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Edge_1RB_Right | 1000      | 3000     | -36.70 | -13   | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Edge_1RB_Right | 3000      | 12000    | -43.99 | -13   | PASS    |
| N14  | 15  | 5         | DFT-16QAM  | L       | Edge_1RB_Right | 12000     | 20000    | -45.11 | -13   | PASS    |

Waltek Testing Group (Shenzhen) Co., Ltd.

[Http://www.waltek.com.cn](http://www.waltek.com.cn)

|     |    |   |           |   |                |       |       |        |     |      |
|-----|----|---|-----------|---|----------------|-------|-------|--------|-----|------|
| N14 | 15 | 5 | DFT-QPSK  | M | Outer_Full     | 0.009 | 0.15  | -61.13 | -33 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | M | Outer_Full     | 0.15  | 30    | -72.23 | -23 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | M | Outer_Full     | 30    | 1000  | -52.56 | -13 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | M | Outer_Full     | 1000  | 3000  | -36.67 | -13 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | M | Outer_Full     | 3000  | 12000 | -44.07 | -13 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | M | Outer_Full     | 12000 | 20000 | -45.47 | -13 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | M | Edge_1RB_Left  | 0.009 | 0.15  | -62.75 | -33 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | M | Edge_1RB_Left  | 0.15  | 30    | -71.03 | -23 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | M | Edge_1RB_Left  | 30    | 1000  | -52.29 | -13 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | M | Edge_1RB_Left  | 1000  | 3000  | -36.73 | -13 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | M | Edge_1RB_Left  | 3000  | 12000 | -43.97 | -13 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | M | Edge_1RB_Left  | 12000 | 20000 | -45.24 | -13 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | M | Edge_1RB_Right | 0.009 | 0.15  | -62.97 | -33 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | M | Edge_1RB_Right | 0.15  | 30    | -71.97 | -23 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | M | Edge_1RB_Right | 30    | 1000  | -52.19 | -13 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | M | Edge_1RB_Right | 1000  | 3000  | -36.41 | -13 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | M | Edge_1RB_Right | 3000  | 12000 | -44.16 | -13 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | M | Edge_1RB_Right | 12000 | 20000 | -45.23 | -13 | PASS |
| N14 | 15 | 5 | DFT-16QAM | M | Outer_Full     | 0.009 | 0.15  | -63.27 | -33 | PASS |
| N14 | 15 | 5 | DFT-16QAM | M | Outer_Full     | 0.15  | 30    | -73.29 | -23 | PASS |
| N14 | 15 | 5 | DFT-16QAM | M | Outer_Full     | 30    | 1000  | -52.61 | -13 | PASS |
| N14 | 15 | 5 | DFT-16QAM | M | Outer_Full     | 1000  | 3000  | -36.67 | -13 | PASS |
| N14 | 15 | 5 | DFT-16QAM | M | Outer_Full     | 3000  | 12000 | -44.15 | -13 | PASS |
| N14 | 15 | 5 | DFT-16QAM | M | Outer_Full     | 12000 | 20000 | -45.16 | -13 | PASS |
| N14 | 15 | 5 | DFT-16QAM | M | Edge_1RB_Left  | 0.009 | 0.15  | -63.23 | -33 | PASS |
| N14 | 15 | 5 | DFT-16QAM | M | Edge_1RB_Left  | 0.15  | 30    | -71.74 | -23 | PASS |
| N14 | 15 | 5 | DFT-16QAM | M | Edge_1RB_Left  | 30    | 1000  | -52.21 | -13 | PASS |
| N14 | 15 | 5 | DFT-16QAM | M | Edge_1RB_Left  | 1000  | 3000  | -36.67 | -13 | PASS |
| N14 | 15 | 5 | DFT-16QAM | M | Edge_1RB_Left  | 3000  | 12000 | -44.10 | -13 | PASS |
| N14 | 15 | 5 | DFT-16QAM | M | Edge_1RB_Left  | 12000 | 20000 | -45.54 | -13 | PASS |
| N14 | 15 | 5 | DFT-16QAM | M | Edge_1RB_Right | 0.009 | 0.15  | -62.49 | -33 | PASS |
| N14 | 15 | 5 | DFT-16QAM | M | Edge_1RB_Right | 0.15  | 30    | -71.61 | -23 | PASS |
| N14 | 15 | 5 | DFT-16QAM | M | Edge_1RB_Right | 30    | 1000  | -52.47 | -13 | PASS |
| N14 | 15 | 5 | DFT-16QAM | M | Edge_1RB_Right | 1000  | 3000  | -36.68 | -13 | PASS |
| N14 | 15 | 5 | DFT-16QAM | M | Edge_1RB_Right | 3000  | 12000 | -44.03 | -13 | PASS |
| N14 | 15 | 5 | DFT-16QAM | M | Edge_1RB_Right | 12000 | 20000 | -45.50 | -13 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | H | Outer_Full     | 0.009 | 0.15  | -63.01 | -33 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | H | Outer_Full     | 0.15  | 30    | -71.58 | -23 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | H | Outer_Full     | 30    | 1000  | -51.84 | -13 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | H | Outer_Full     | 1000  | 3000  | -36.76 | -13 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | H | Outer_Full     | 3000  | 12000 | -43.98 | -13 | PASS |
| N14 | 15 | 5 | DFT-QPSK  | H | Outer_Full     | 12000 | 20000 | -45.39 | -13 | PASS |

|     |    |    |           |   |                |       |       |        |     |      |
|-----|----|----|-----------|---|----------------|-------|-------|--------|-----|------|
| N14 | 15 | 5  | DFT-QPSK  | H | Edge_1RB_Left  | 0.009 | 0.15  | -62.79 | -33 | PASS |
| N14 | 15 | 5  | DFT-QPSK  | H | Edge_1RB_Left  | 0.15  | 30    | -72.50 | -23 | PASS |
| N14 | 15 | 5  | DFT-QPSK  | H | Edge_1RB_Left  | 30    | 1000  | -52.60 | -13 | PASS |
| N14 | 15 | 5  | DFT-QPSK  | H | Edge_1RB_Left  | 1000  | 3000  | -36.67 | -13 | PASS |
| N14 | 15 | 5  | DFT-QPSK  | H | Edge_1RB_Left  | 3000  | 12000 | -44.05 | -13 | PASS |
| N14 | 15 | 5  | DFT-QPSK  | H | Edge_1RB_Left  | 12000 | 20000 | -45.49 | -13 | PASS |
| N14 | 15 | 5  | DFT-QPSK  | H | Edge_1RB_Right | 0.009 | 0.15  | -62.39 | -33 | PASS |
| N14 | 15 | 5  | DFT-QPSK  | H | Edge_1RB_Right | 0.15  | 30    | -70.86 | -23 | PASS |
| N14 | 15 | 5  | DFT-QPSK  | H | Edge_1RB_Right | 30    | 1000  | -52.36 | -13 | PASS |
| N14 | 15 | 5  | DFT-QPSK  | H | Edge_1RB_Right | 1000  | 3000  | -36.67 | -13 | PASS |
| N14 | 15 | 5  | DFT-QPSK  | H | Edge_1RB_Right | 3000  | 12000 | -44.12 | -13 | PASS |
| N14 | 15 | 5  | DFT-QPSK  | H | Edge_1RB_Right | 12000 | 20000 | -45.42 | -13 | PASS |
| N14 | 15 | 5  | DFT-16QAM | H | Outer_Full     | 0.009 | 0.15  | -63.10 | -33 | PASS |
| N14 | 15 | 5  | DFT-16QAM | H | Outer_Full     | 0.15  | 30    | -72.92 | -23 | PASS |
| N14 | 15 | 5  | DFT-16QAM | H | Outer_Full     | 30    | 1000  | -52.43 | -13 | PASS |
| N14 | 15 | 5  | DFT-16QAM | H | Outer_Full     | 1000  | 3000  | -36.42 | -13 | PASS |
| N14 | 15 | 5  | DFT-16QAM | H | Outer_Full     | 3000  | 12000 | -43.91 | -13 | PASS |
| N14 | 15 | 5  | DFT-16QAM | H | Outer_Full     | 12000 | 20000 | -45.28 | -13 | PASS |
| N14 | 15 | 5  | DFT-16QAM | H | Edge_1RB_Left  | 0.009 | 0.15  | -62.31 | -33 | PASS |
| N14 | 15 | 5  | DFT-16QAM | H | Edge_1RB_Left  | 0.15  | 30    | -71.81 | -23 | PASS |
| N14 | 15 | 5  | DFT-16QAM | H | Edge_1RB_Left  | 30    | 1000  | -52.39 | -13 | PASS |
| N14 | 15 | 5  | DFT-16QAM | H | Edge_1RB_Left  | 1000  | 3000  | -36.65 | -13 | PASS |
| N14 | 15 | 5  | DFT-16QAM | H | Edge_1RB_Left  | 3000  | 12000 | -41.17 | -13 | PASS |
| N14 | 15 | 5  | DFT-16QAM | H | Edge_1RB_Left  | 12000 | 20000 | -45.31 | -13 | PASS |
| N14 | 15 | 5  | DFT-16QAM | H | Edge_1RB_Right | 0.009 | 0.15  | -62.08 | -33 | PASS |
| N14 | 15 | 5  | DFT-16QAM | H | Edge_1RB_Right | 0.15  | 30    | -72.58 | -23 | PASS |
| N14 | 15 | 5  | DFT-16QAM | H | Edge_1RB_Right | 30    | 1000  | -52.29 | -13 | PASS |
| N14 | 15 | 5  | DFT-16QAM | H | Edge_1RB_Right | 1000  | 3000  | -36.72 | -13 | PASS |
| N14 | 15 | 5  | DFT-16QAM | H | Edge_1RB_Right | 3000  | 12000 | -44.13 | -13 | PASS |
| N14 | 15 | 5  | DFT-16QAM | H | Edge_1RB_Right | 12000 | 20000 | -45.22 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | L | Outer_Full     | 0.009 | 0.15  | -61.97 | -33 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | L | Outer_Full     | 0.15  | 30    | -72.44 | -23 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | L | Outer_Full     | 30    | 1000  | -50.15 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | L | Outer_Full     | 1000  | 3000  | -36.73 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | L | Outer_Full     | 3000  | 12000 | -42.80 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | L | Outer_Full     | 12000 | 20000 | -45.26 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | L | Edge_1RB_Left  | 0.009 | 0.15  | -62.77 | -33 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | L | Edge_1RB_Left  | 0.15  | 30    | -72.86 | -23 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | L | Edge_1RB_Left  | 30    | 1000  | -51.91 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | L | Edge_1RB_Left  | 1000  | 3000  | -36.46 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | L | Edge_1RB_Left  | 3000  | 12000 | -43.94 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | L | Edge_1RB_Left  | 12000 | 20000 | -45.36 | -13 | PASS |

|     |    |    |           |   |                |       |       |        |     |      |
|-----|----|----|-----------|---|----------------|-------|-------|--------|-----|------|
| N14 | 15 | 10 | DFT-QPSK  | L | Edge_1RB_Right | 0.009 | 0.15  | -61.26 | -33 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | L | Edge_1RB_Right | 0.15  | 30    | -72.52 | -23 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | L | Edge_1RB_Right | 30    | 1000  | -52.42 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | L | Edge_1RB_Right | 1000  | 3000  | -36.70 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | L | Edge_1RB_Right | 3000  | 12000 | -44.20 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | L | Edge_1RB_Right | 12000 | 20000 | -45.46 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | L | Outer_Full     | 0.009 | 0.15  | -62.20 | -33 | PASS |
| N14 | 15 | 10 | DFT-16QAM | L | Outer_Full     | 0.15  | 30    | -73.15 | -23 | PASS |
| N14 | 15 | 10 | DFT-16QAM | L | Outer_Full     | 30    | 1000  | -51.69 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | L | Outer_Full     | 1000  | 3000  | -36.73 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | L | Outer_Full     | 3000  | 12000 | -43.90 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | L | Outer_Full     | 12000 | 20000 | -45.41 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | L | Edge_1RB_Left  | 0.009 | 0.15  | -60.13 | -33 | PASS |
| N14 | 15 | 10 | DFT-16QAM | L | Edge_1RB_Left  | 0.15  | 30    | -71.73 | -23 | PASS |
| N14 | 15 | 10 | DFT-16QAM | L | Edge_1RB_Left  | 30    | 1000  | -52.54 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | L | Edge_1RB_Left  | 1000  | 3000  | -36.73 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | L | Edge_1RB_Left  | 3000  | 12000 | -44.04 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | L | Edge_1RB_Left  | 12000 | 20000 | -45.32 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | L | Edge_1RB_Right | 0.009 | 0.15  | -62.28 | -33 | PASS |
| N14 | 15 | 10 | DFT-16QAM | L | Edge_1RB_Right | 0.15  | 30    | -70.39 | -23 | PASS |
| N14 | 15 | 10 | DFT-16QAM | L | Edge_1RB_Right | 30    | 1000  | -52.14 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | L | Edge_1RB_Right | 1000  | 3000  | -36.76 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | L | Edge_1RB_Right | 3000  | 12000 | -44.00 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | L | Edge_1RB_Right | 12000 | 20000 | -45.47 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | M | Outer_Full     | 0.009 | 0.15  | -61.82 | -33 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | M | Outer_Full     | 0.15  | 30    | -71.05 | -23 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | M | Outer_Full     | 30    | 1000  | -50.39 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | M | Outer_Full     | 1000  | 3000  | -36.63 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | M | Outer_Full     | 3000  | 12000 | -44.15 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | M | Outer_Full     | 12000 | 20000 | -45.38 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | M | Edge_1RB_Left  | 0.009 | 0.15  | -62.40 | -33 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | M | Edge_1RB_Left  | 0.15  | 30    | -71.25 | -23 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | M | Edge_1RB_Left  | 30    | 1000  | -52.46 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | M | Edge_1RB_Left  | 1000  | 3000  | -36.67 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | M | Edge_1RB_Left  | 3000  | 12000 | -44.01 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | M | Edge_1RB_Left  | 12000 | 20000 | -45.31 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | M | Edge_1RB_Right | 0.009 | 0.15  | -61.57 | -33 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | M | Edge_1RB_Right | 0.15  | 30    | -71.23 | -23 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | M | Edge_1RB_Right | 30    | 1000  | -52.12 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | M | Edge_1RB_Right | 1000  | 3000  | -36.60 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | M | Edge_1RB_Right | 3000  | 12000 | -43.85 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | M | Edge_1RB_Right | 12000 | 20000 | -45.45 | -13 | PASS |

|     |    |    |           |   |                |       |       |        |     |      |
|-----|----|----|-----------|---|----------------|-------|-------|--------|-----|------|
| N14 | 15 | 10 | DFT-16QAM | M | Outer_Full     | 0.009 | 0.15  | -61.68 | -33 | PASS |
| N14 | 15 | 10 | DFT-16QAM | M | Outer_Full     | 0.15  | 30    | -71.60 | -23 | PASS |
| N14 | 15 | 10 | DFT-16QAM | M | Outer_Full     | 30    | 1000  | -52.22 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | M | Outer_Full     | 1000  | 3000  | -36.75 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | M | Outer_Full     | 3000  | 12000 | -44.06 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | M | Outer_Full     | 12000 | 20000 | -45.42 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | M | Edge_1RB_Left  | 0.009 | 0.15  | -62.98 | -33 | PASS |
| N14 | 15 | 10 | DFT-16QAM | M | Edge_1RB_Left  | 0.15  | 30    | -72.78 | -23 | PASS |
| N14 | 15 | 10 | DFT-16QAM | M | Edge_1RB_Left  | 30    | 1000  | -52.35 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | M | Edge_1RB_Left  | 1000  | 3000  | -36.69 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | M | Edge_1RB_Left  | 3000  | 12000 | -44.10 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | M | Edge_1RB_Left  | 12000 | 20000 | -45.27 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | M | Edge_1RB_Right | 0.009 | 0.15  | -61.89 | -33 | PASS |
| N14 | 15 | 10 | DFT-16QAM | M | Edge_1RB_Right | 0.15  | 30    | -71.34 | -23 | PASS |
| N14 | 15 | 10 | DFT-16QAM | M | Edge_1RB_Right | 30    | 1000  | -52.45 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | M | Edge_1RB_Right | 1000  | 3000  | -36.66 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | M | Edge_1RB_Right | 3000  | 12000 | -42.83 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | M | Edge_1RB_Right | 12000 | 20000 | -45.27 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | H | Outer_Full     | 0.009 | 0.15  | -61.88 | -33 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | H | Outer_Full     | 0.15  | 30    | -73.64 | -23 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | H | Outer_Full     | 30    | 1000  | -51.00 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | H | Outer_Full     | 1000  | 3000  | -36.49 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | H | Outer_Full     | 3000  | 12000 | -43.81 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | H | Outer_Full     | 12000 | 20000 | -45.42 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | H | Edge_1RB_Left  | 0.009 | 0.15  | -62.32 | -33 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | H | Edge_1RB_Left  | 0.15  | 30    | -72.65 | -23 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | H | Edge_1RB_Left  | 30    | 1000  | -52.27 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | H | Edge_1RB_Left  | 1000  | 3000  | -36.73 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | H | Edge_1RB_Left  | 3000  | 12000 | -43.99 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | H | Edge_1RB_Left  | 12000 | 20000 | -45.35 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | H | Edge_1RB_Right | 0.009 | 0.15  | -62.14 | -33 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | H | Edge_1RB_Right | 0.15  | 30    | -72.40 | -23 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | H | Edge_1RB_Right | 30    | 1000  | -52.53 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | H | Edge_1RB_Right | 1000  | 3000  | -36.53 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | H | Edge_1RB_Right | 3000  | 12000 | -44.05 | -13 | PASS |
| N14 | 15 | 10 | DFT-QPSK  | H | Edge_1RB_Right | 12000 | 20000 | -45.34 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Outer_Full     | 0.009 | 0.15  | -62.41 | -33 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Outer_Full     | 0.15  | 30    | -72.83 | -23 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Outer_Full     | 30    | 1000  | -51.70 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Outer_Full     | 1000  | 3000  | -36.75 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Outer_Full     | 3000  | 12000 | -44.03 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Outer_Full     | 12000 | 20000 | -45.34 | -13 | PASS |

|     |    |    |           |   |                |       |       |        |     |      |
|-----|----|----|-----------|---|----------------|-------|-------|--------|-----|------|
| N14 | 15 | 10 | DFT-16QAM | H | Edge_1RB_Left  | 0.009 | 0.15  | -62.98 | -33 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Edge_1RB_Left  | 0.15  | 30    | -72.79 | -23 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Edge_1RB_Left  | 30    | 1000  | -52.57 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Edge_1RB_Left  | 1000  | 3000  | -36.76 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Edge_1RB_Left  | 3000  | 12000 | -43.98 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Edge_1RB_Left  | 12000 | 20000 | -45.29 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Edge_1RB_Right | 0.009 | 0.15  | -62.32 | -33 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Edge_1RB_Right | 0.15  | 30    | -72.52 | -23 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Edge_1RB_Right | 30    | 1000  | -52.11 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Edge_1RB_Right | 1000  | 3000  | -36.59 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Edge_1RB_Right | 3000  | 12000 | -43.76 | -13 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Edge_1RB_Right | 12000 | 20000 | -45.31 | -13 | PASS |

## Test Graphs

