# 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

NTNV_N14_PC3_15_5_L_TID2_#1

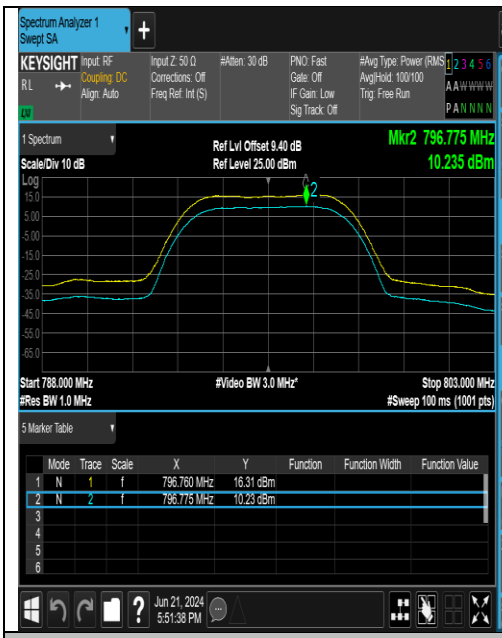
NTNV_N14_PC3_15_5_L_TID3_#1

NTNV_N14_PC3_15_5_M_TID2_#1

NTNV_N14_PC3_15_5_M_TID3_#1

NTNV_N14_PC3_15_5_H_TID2_#1

NTNV_N14_PC3_15_5_H_TID3_#1

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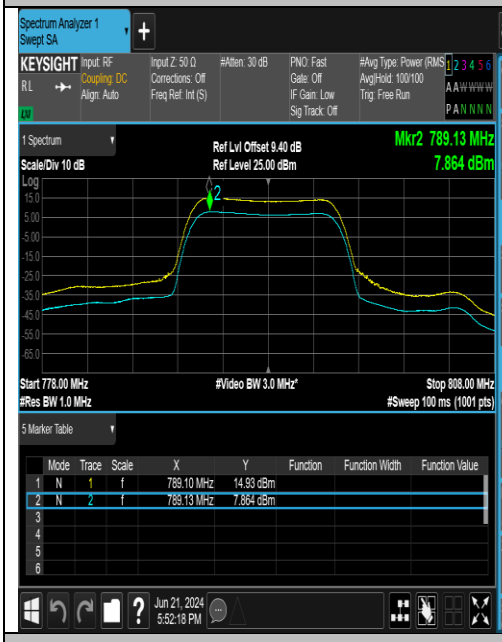
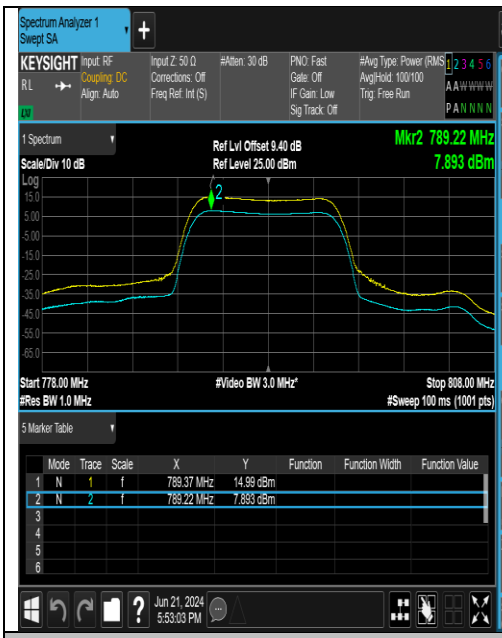
NTNV_N14_PC3_15_10_L_TID3_#1




NTNV_N14_PC3_15_10_M_TID2_#1

NTNV_N14_PC3_15_10_M_TID3_#1

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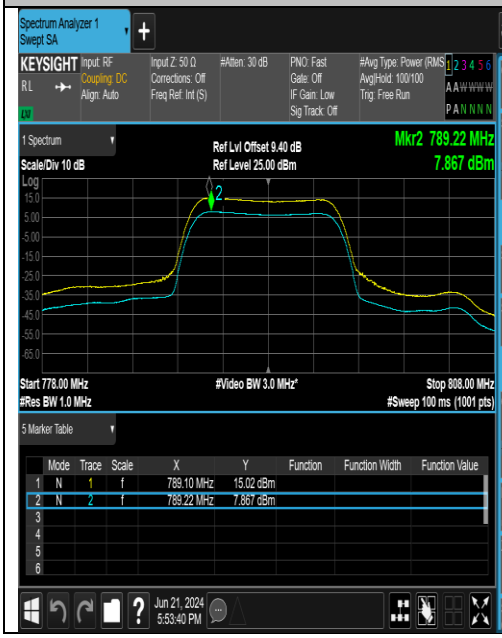
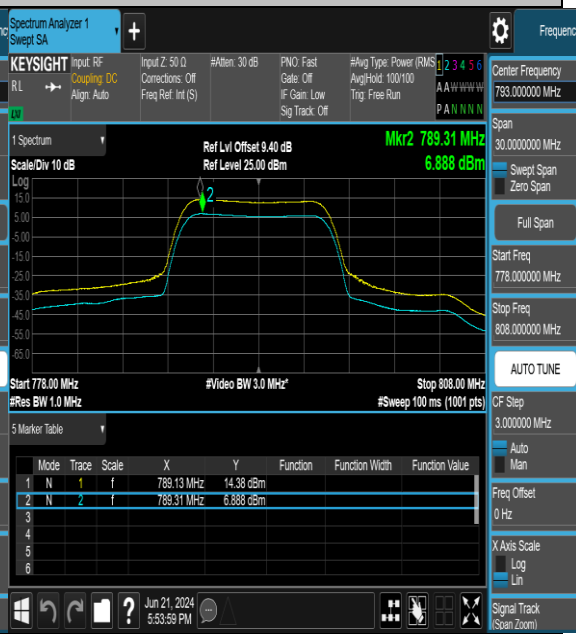
NTNV_N14_PC3_15_10_H_TID3_#1



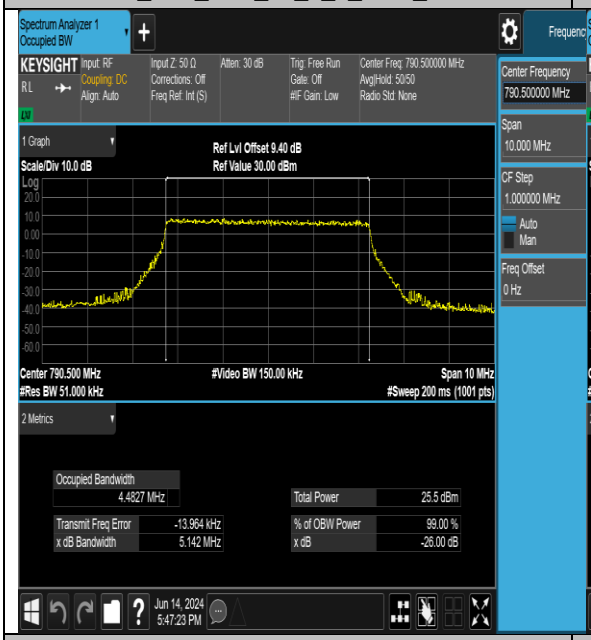
# Appendix C: 26dB Bandwidth and Occupied Bandwidth for SA

## Test Result

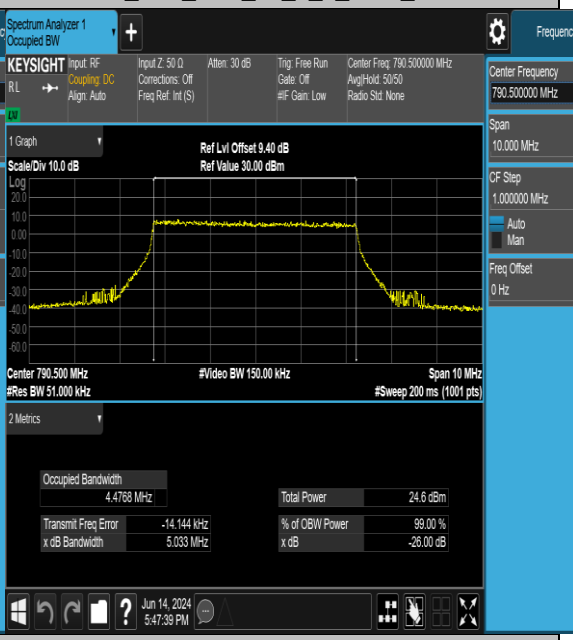
| Band | SCS | Bandwidth | Modulation | Channel | RB Config | Result (99%) | Result (26dB) | Verdict |
|---|---|---|---|---|---|---|---|---|
| N14 | 15 | 5 | DFT-QPSK | L | Outer_Full | 4.4827 | 5.142 | PASS |
| N14 | 15 | 5 | DFT-16QAM | L | Outer_Full | 4.4768 | 5.033 | PASS |
| N14 | 15 | 5 | DFT-QPSK | 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

NTNV_N14_PC3_15_5_L_TID5_Ant1#1




NTNV_N14_PC3_15_5_L_TID6_Ant1#1

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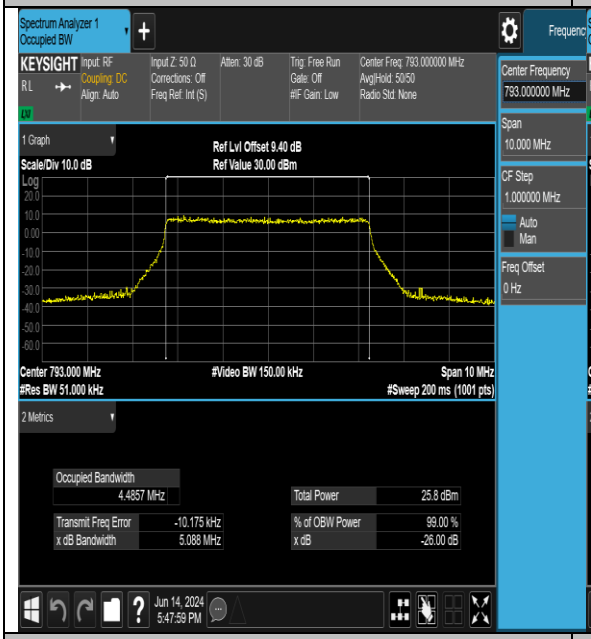


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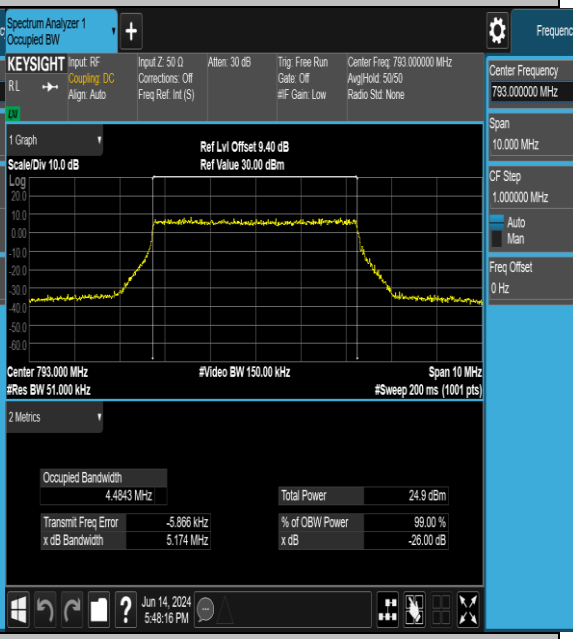
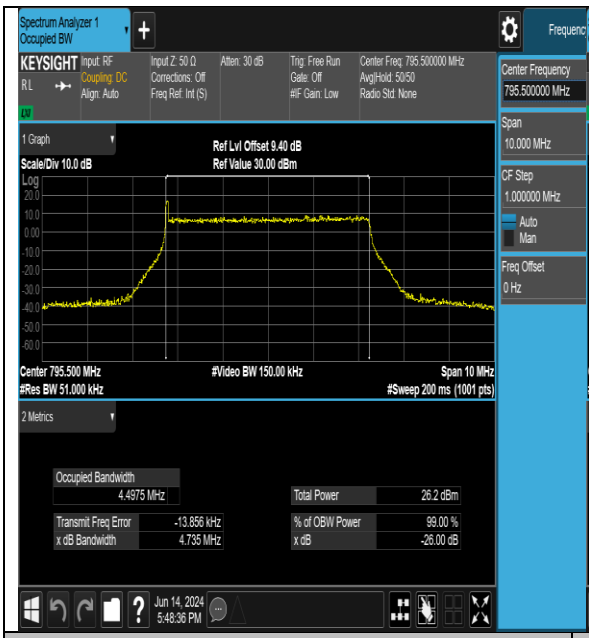
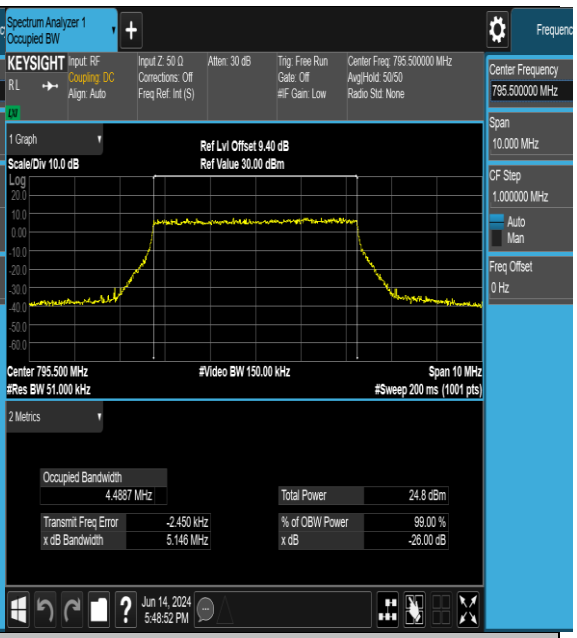



NTNV_N14_PC3_15_5_H_TID5_Ant1#1

NTNV_N14_PC3_15_5_H_TID6_Ant1#1




NTNV_N14_PC3_15_10_L_TID5_Ant1#1

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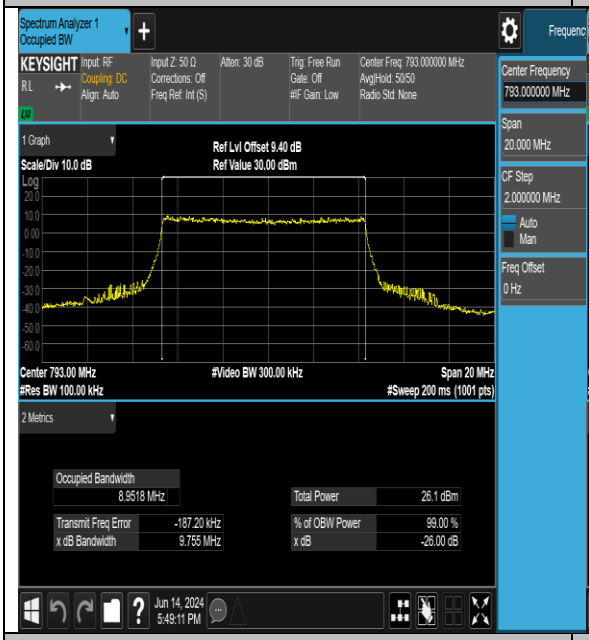


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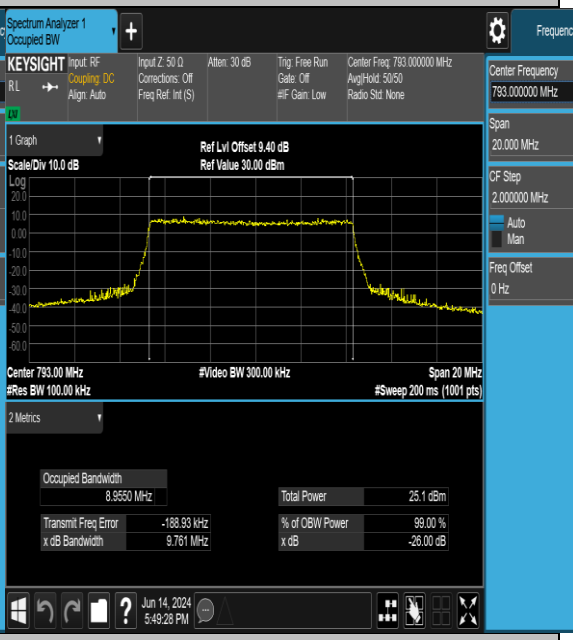


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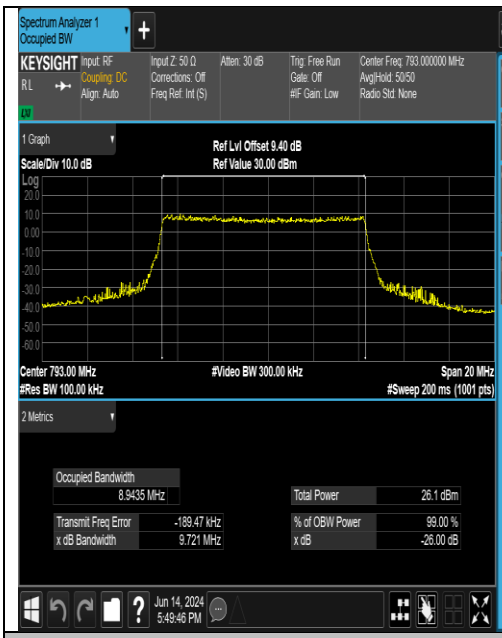
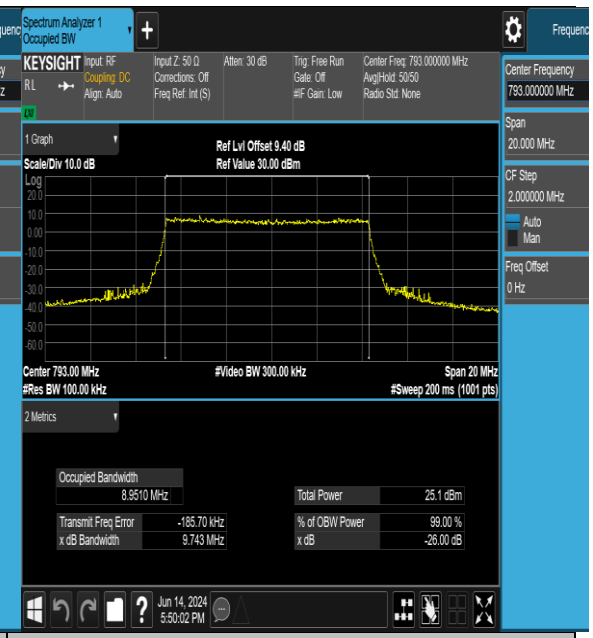



NTNV_N14_PC3_15_10_H_TID5_Ant1#1

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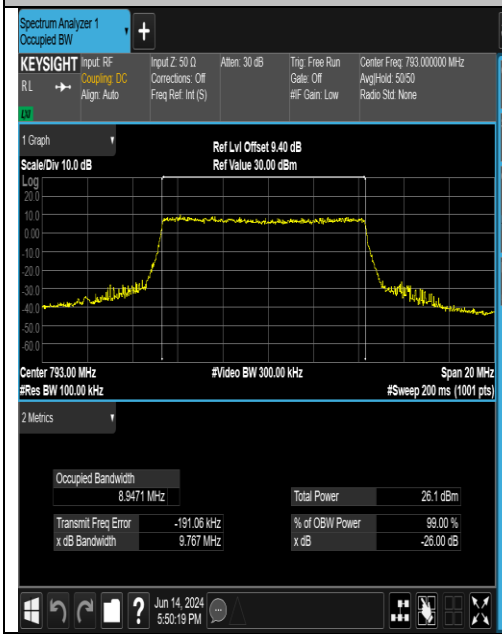
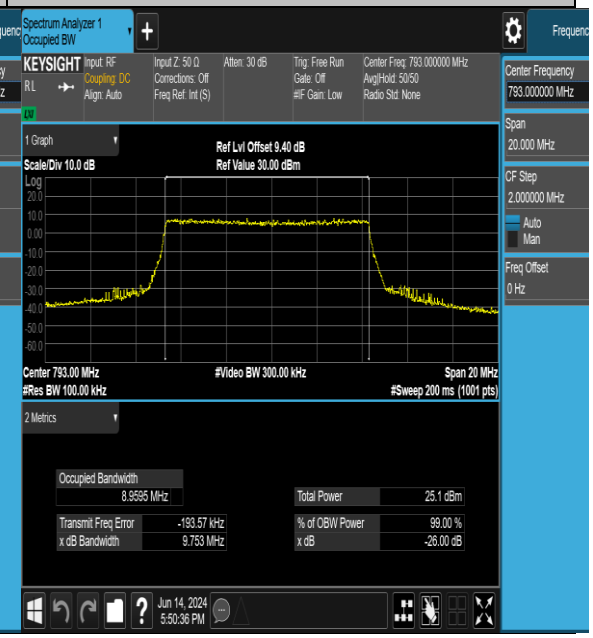


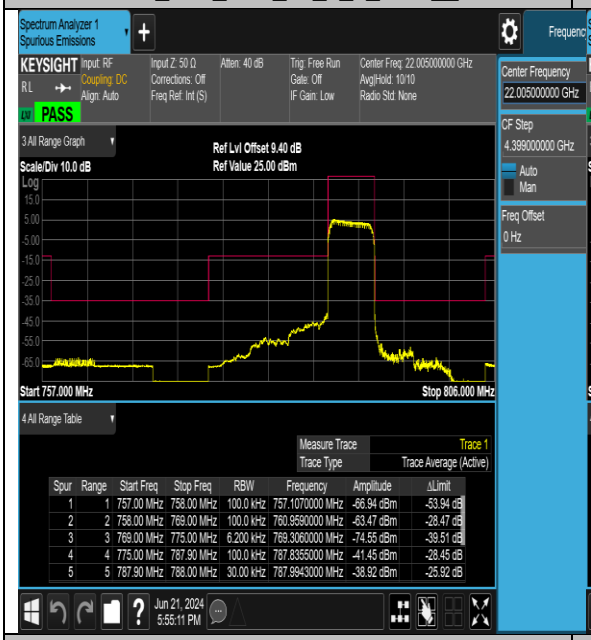
# Appendix D: Band Edge for SA

## Test Result

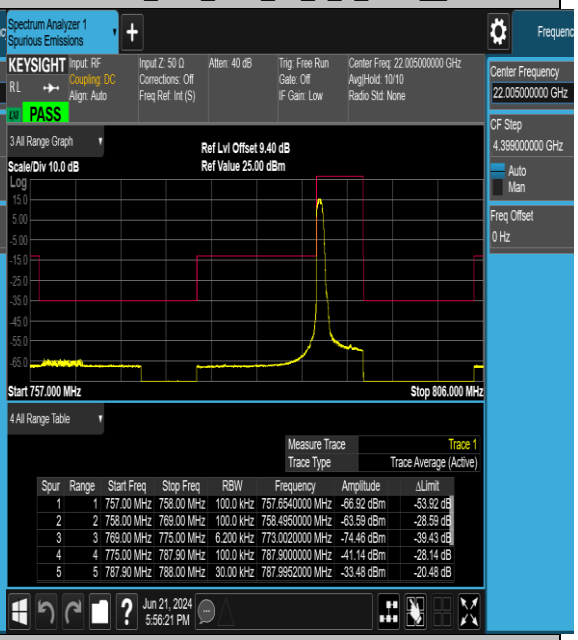
| Band | SCS | Bandwidth | Modulation | Channel | RB Config | Verdict |
|---|---|---|---|---|---|---|
| N14 | 15 | 5 | DFT-QPSK | L | Outer_Full | PASS |
| N14 | 15 | 5 | DFT-QPSK | L | Edge_1RB_Left | PASS |
| N14 | 15 | 5 | DFT-QPSK | H | Outer_Full | PASS |
| N14 | 15 | 5 | DFT-QPSK | H | Edge_1RB_Right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

NTNV_N14_PC3_15_5_L_TID9__#1




NTNV_N14_PC3_15_5_L_TID7__#1

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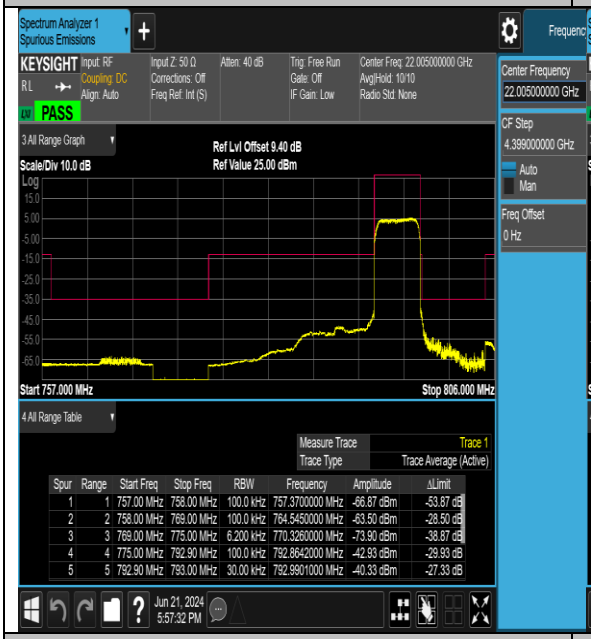


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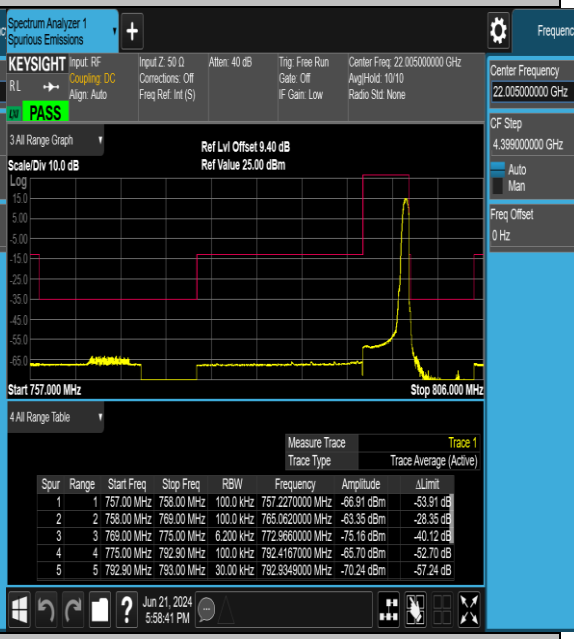
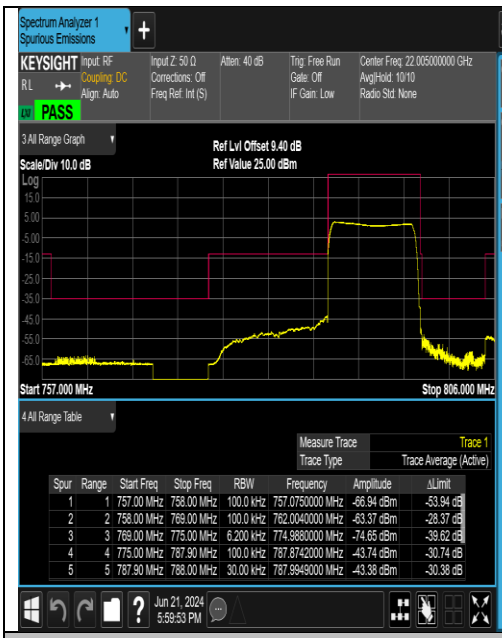



NTNV_N14_PC3_15_10_L_TID9__#1

NTNV_N14_PC3_15_10_L_TID7__#1

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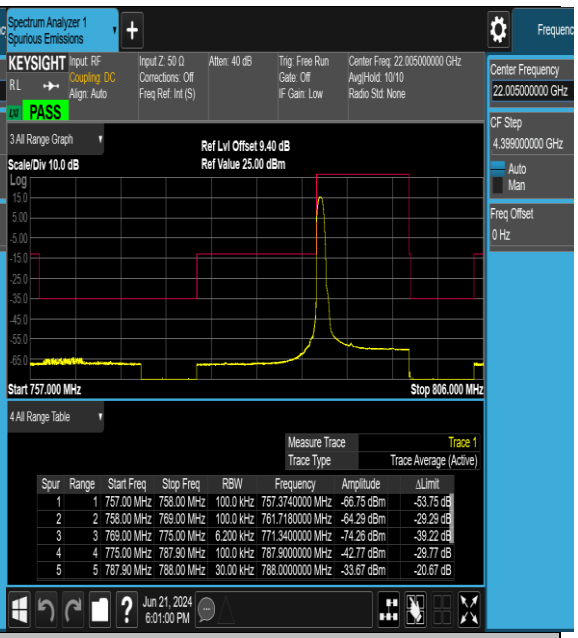


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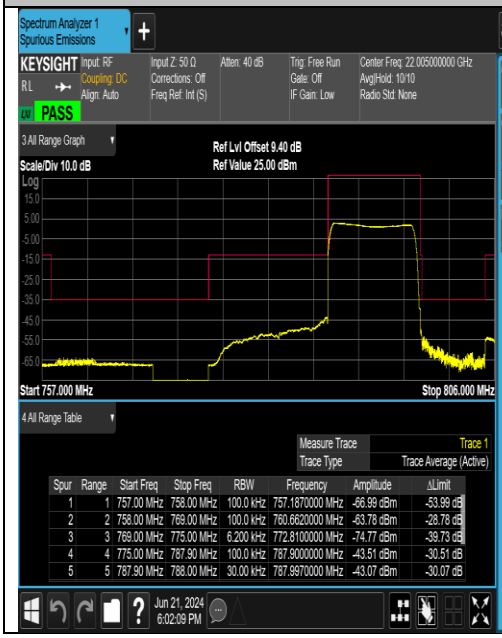


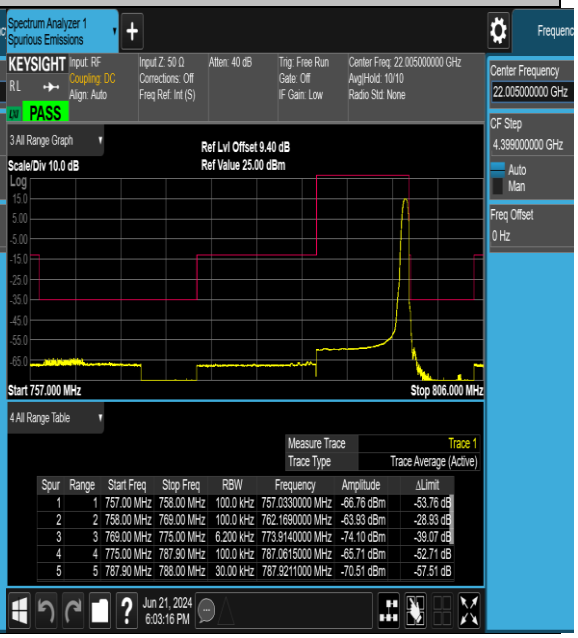

# Appendix E: Conducted Spurious Emission for SA

## 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 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 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 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 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 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 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 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 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 |

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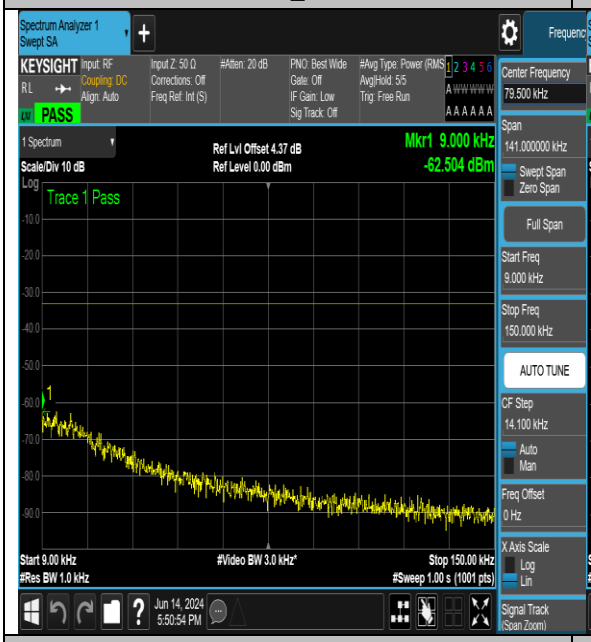
|---|---|---|---|---|---|---|---|---|---|---|
| N14 | 15 | 10 | DFT-16QAM | H | Edge_1RB_Left | 0.009 | 0.15 | -62.98 | -33 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Edge_1RB_Left | 0.15 | 30 | -72.79 | -23 | PASS |
| N14 | 15 | 10 | DFT-16QAM | H | Edge_1RB_Left | 30 | 1000 | -52.57 | -13 | PASS |
| 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

NTNV_N14_PC3_15_5_L_TID18_NS_01_0.009_0.15_#1

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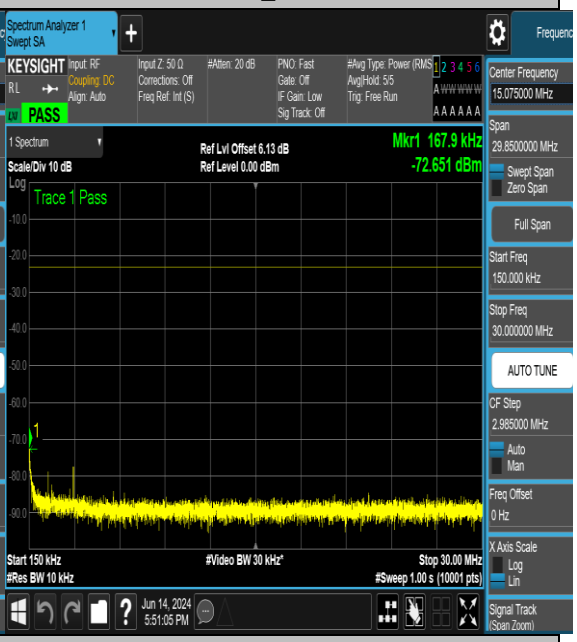


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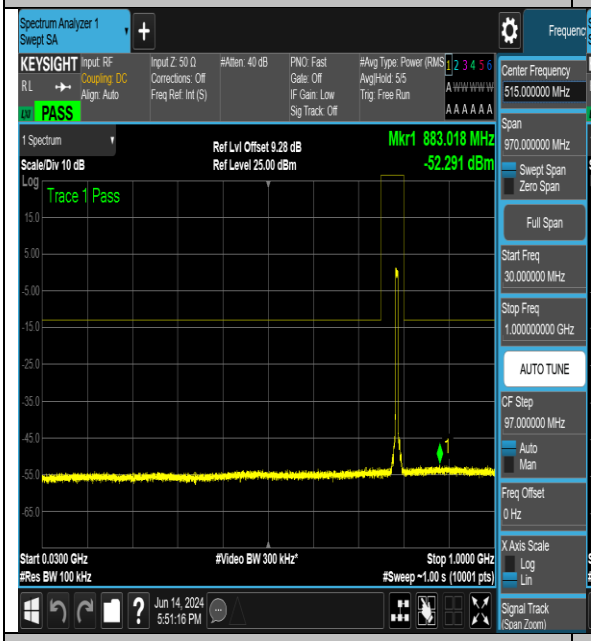
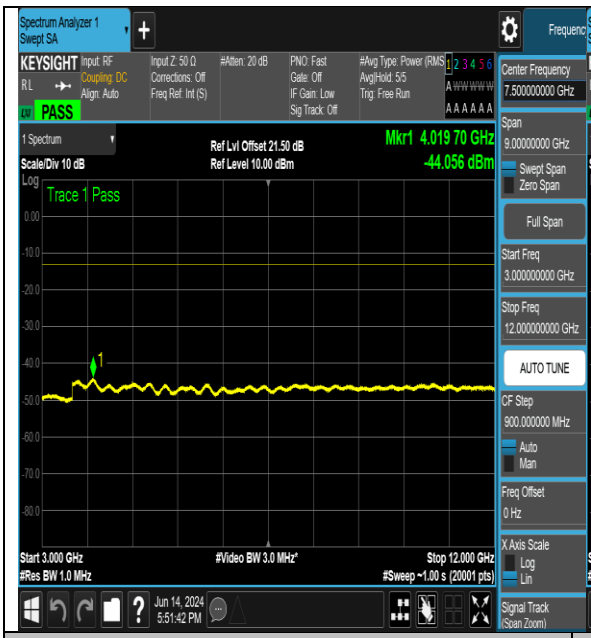



NTNV_N14_PC3_15_5_L_TID18_NS_01_1000_3000_#1

NTNV_N14_PC3_15_5_L_TID18_NS_01_3000_12000_#1

NTNV_N14_PC3_15_5_L_TID18_NS_01_12000_20000_#1

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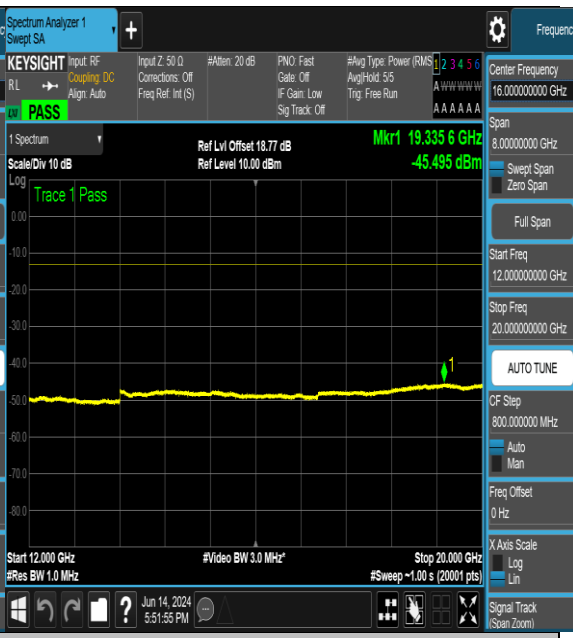


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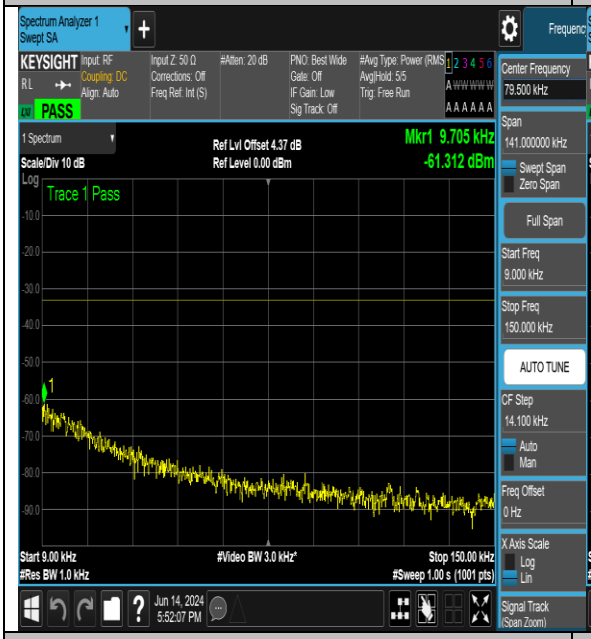


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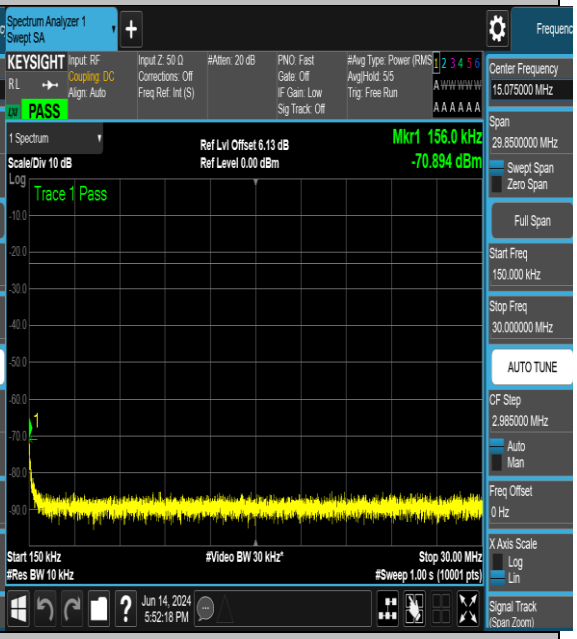


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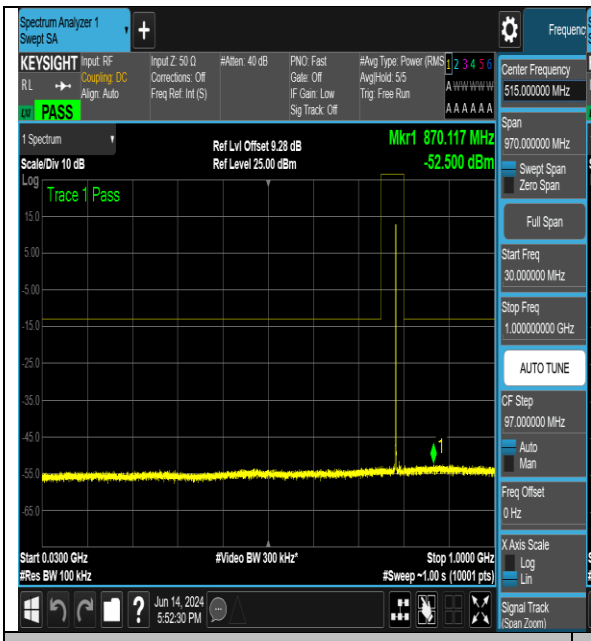


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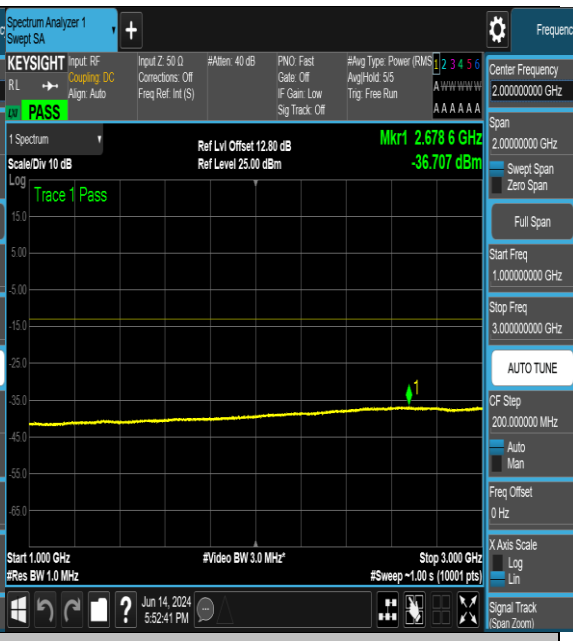


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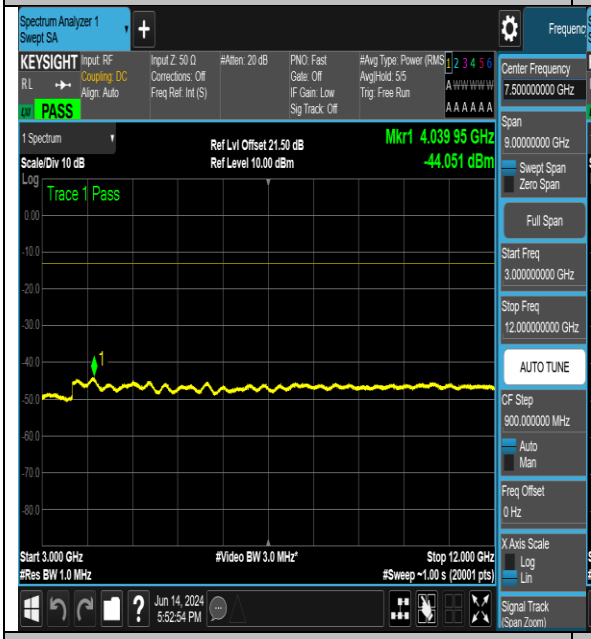


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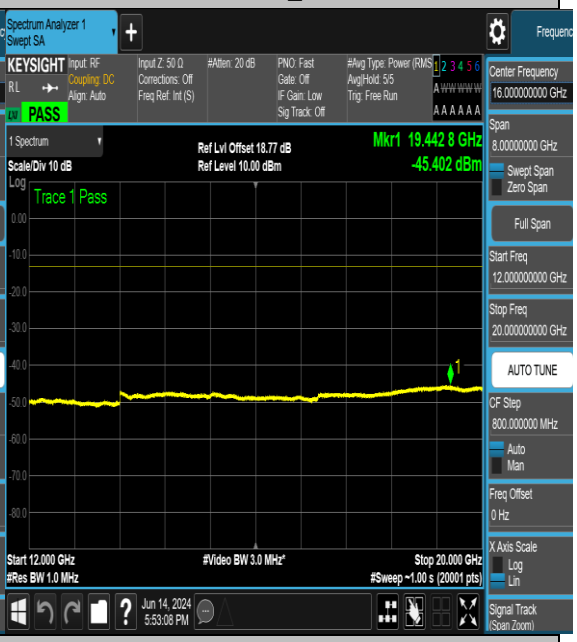


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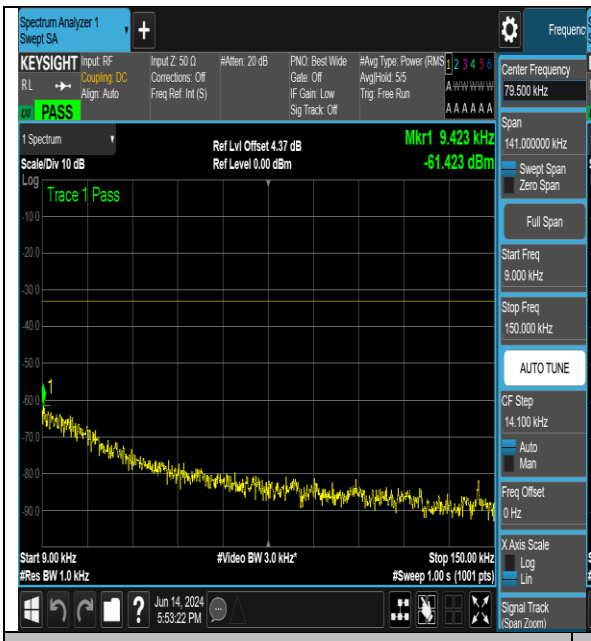


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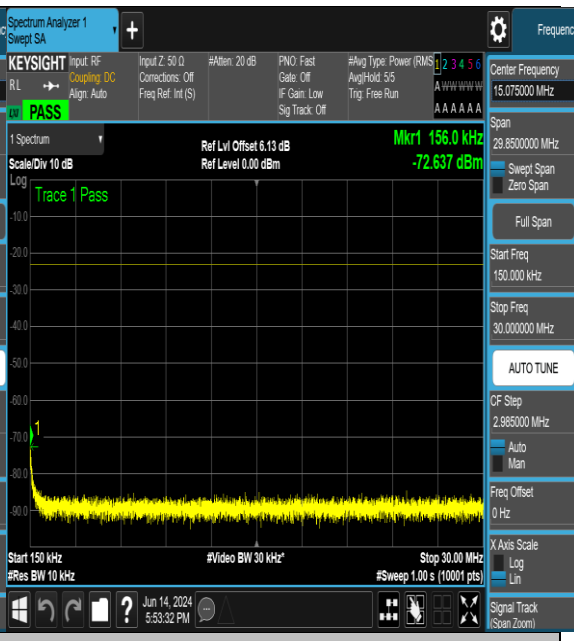


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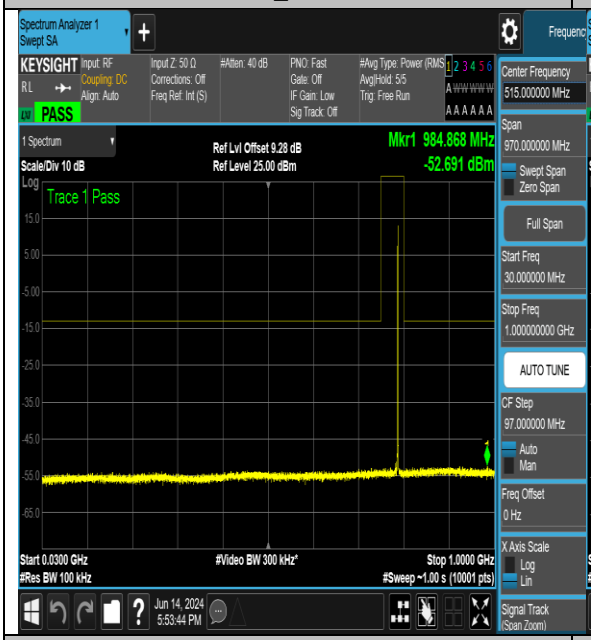


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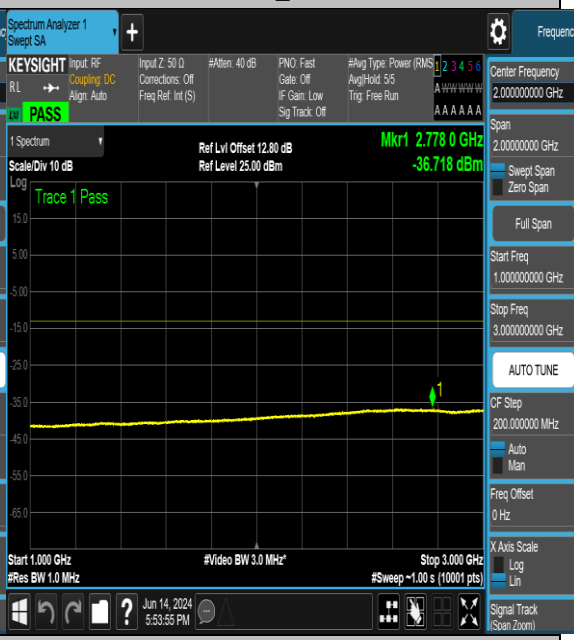


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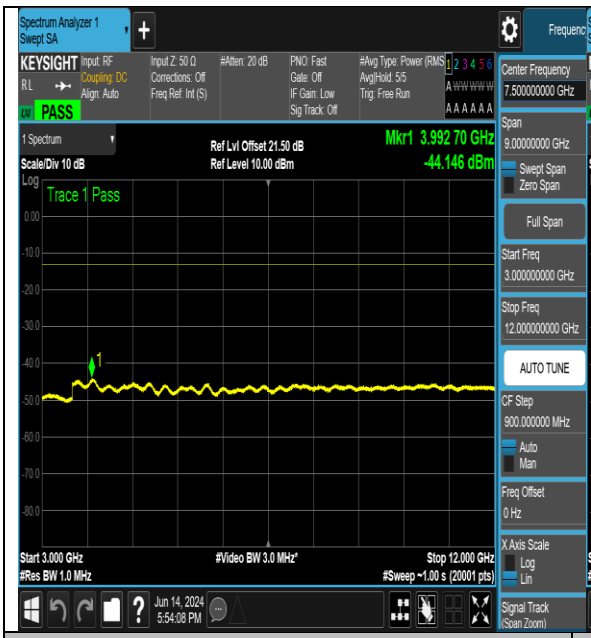


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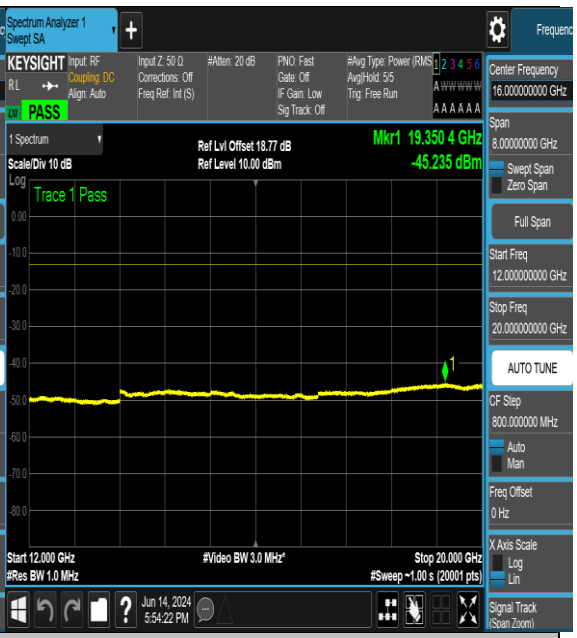


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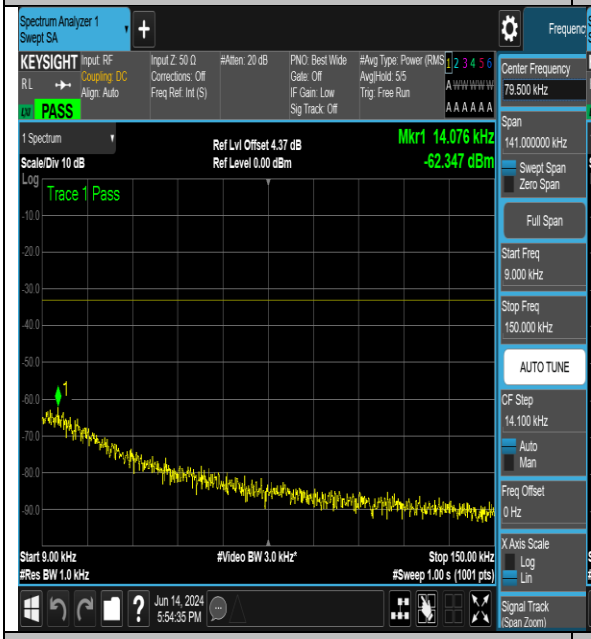


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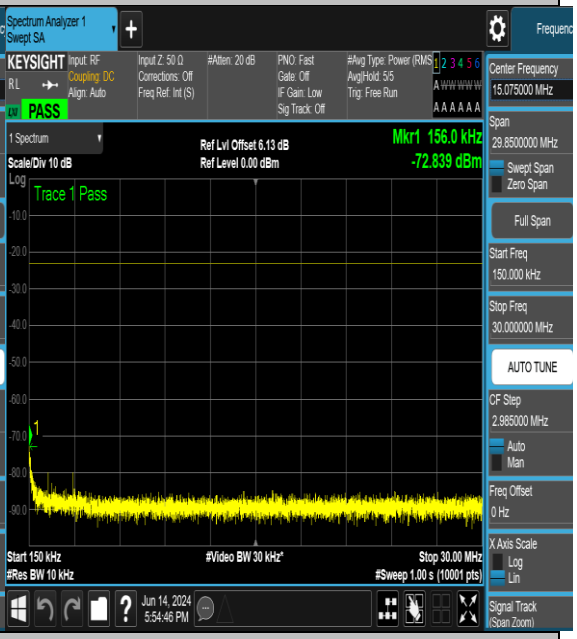


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