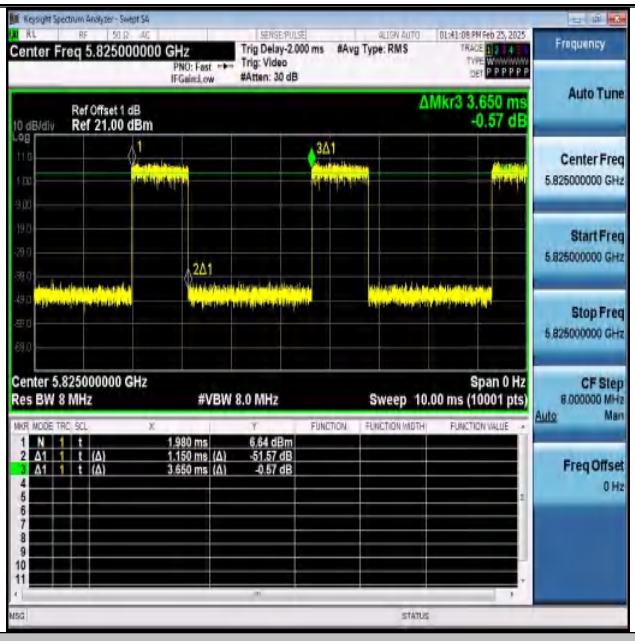
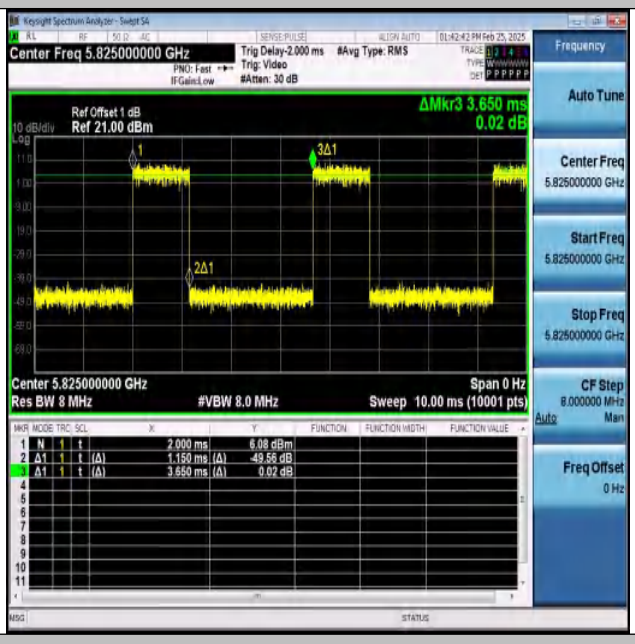
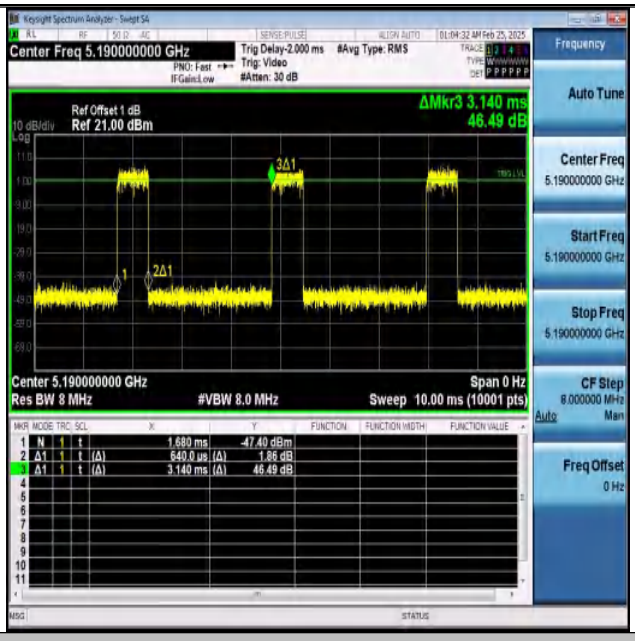


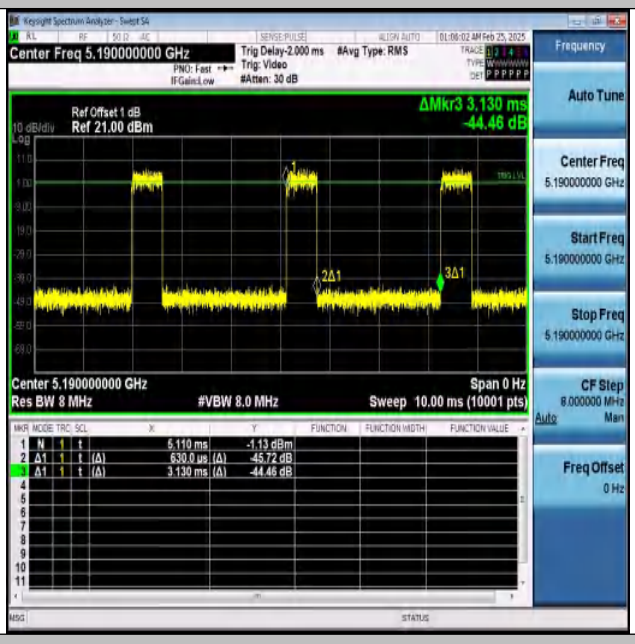

NTNV-11N20MIMO-Ant1-5825




NTNV-11N20MIMO-Ant2-5825




NTNV-11N40MIMO-Ant1-5190

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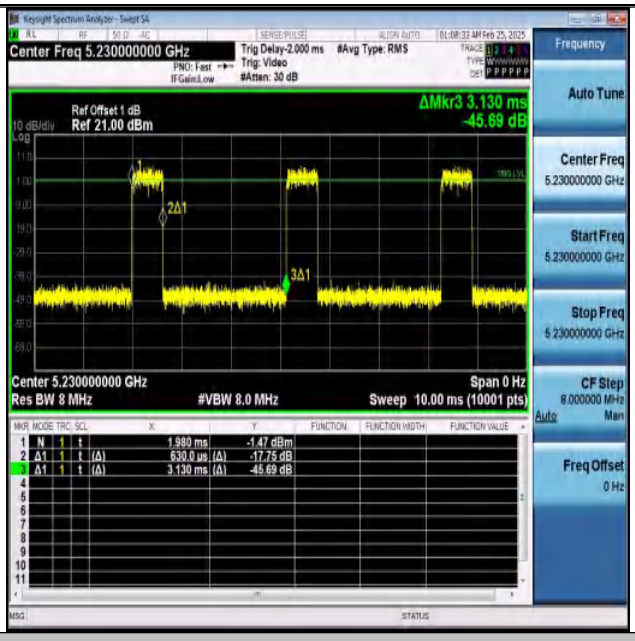
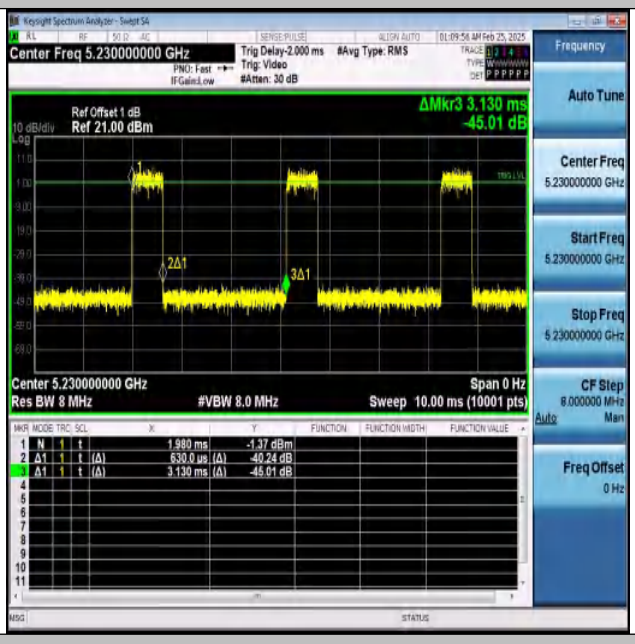



NTNV-11N40MIMO-Ant1-5230

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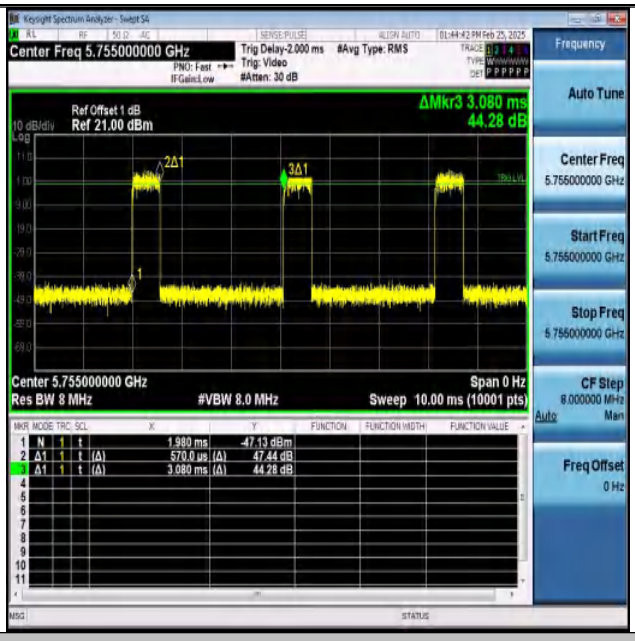
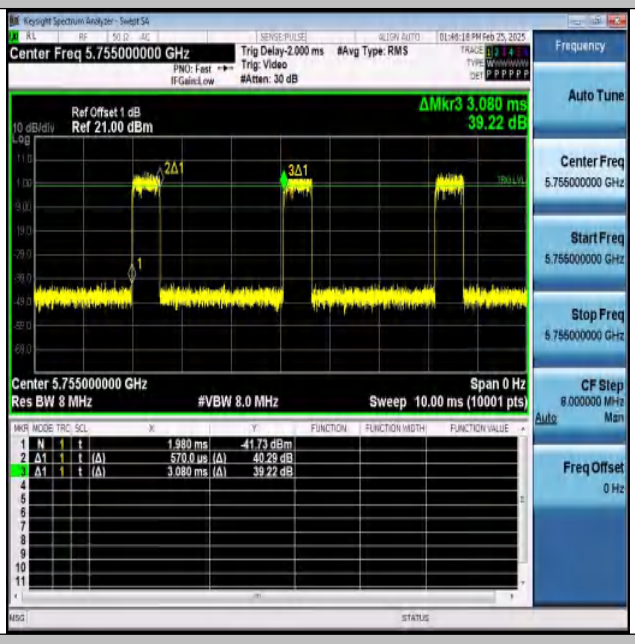



NTNV-11N40MIMO-Ant1-5755

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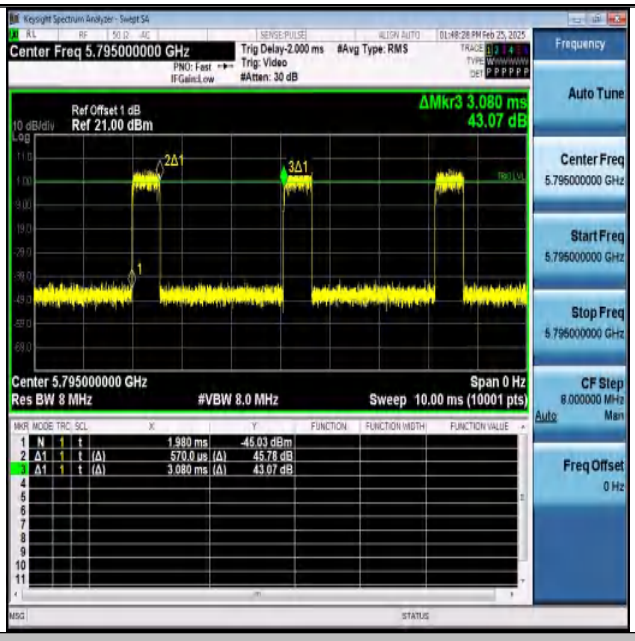
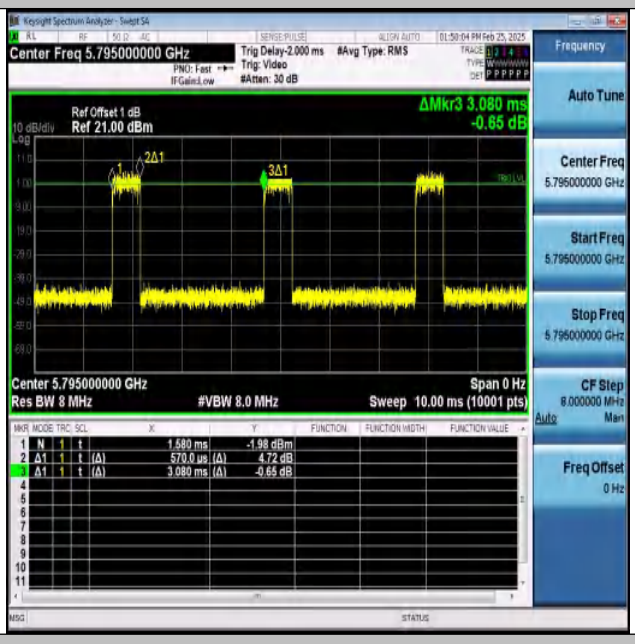



NTNV-11N40MIMO-Ant1-5795

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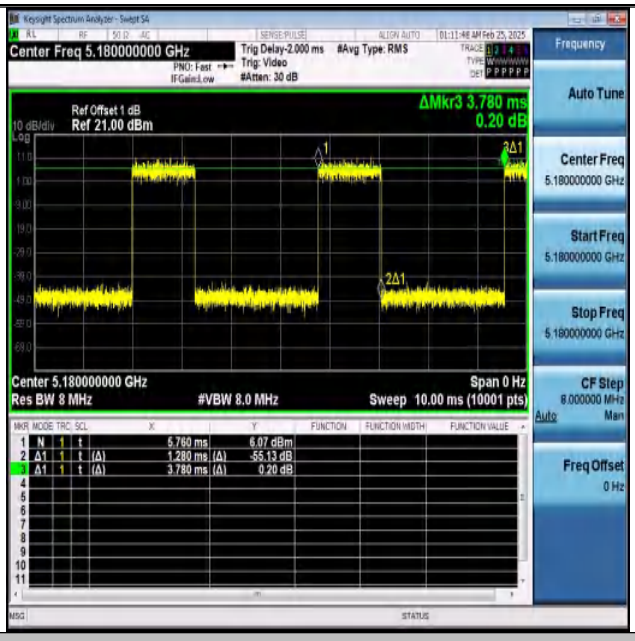


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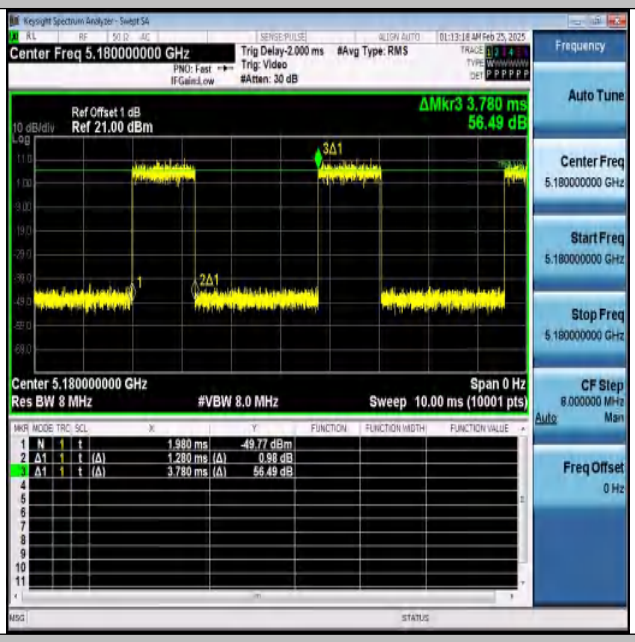


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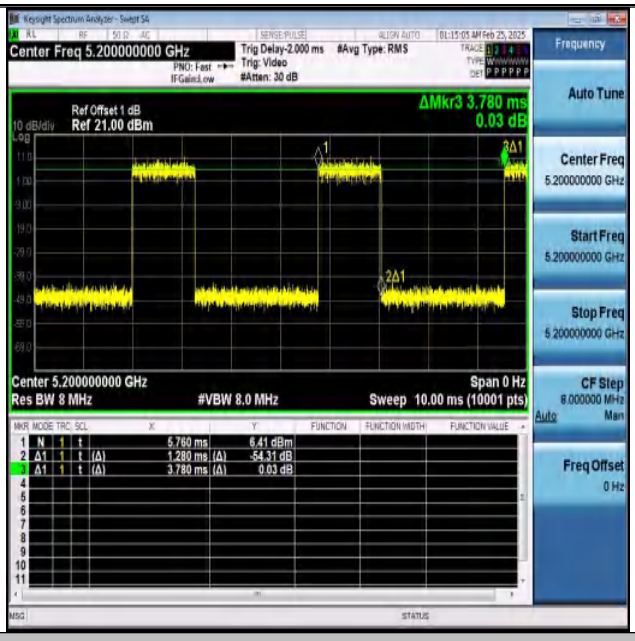


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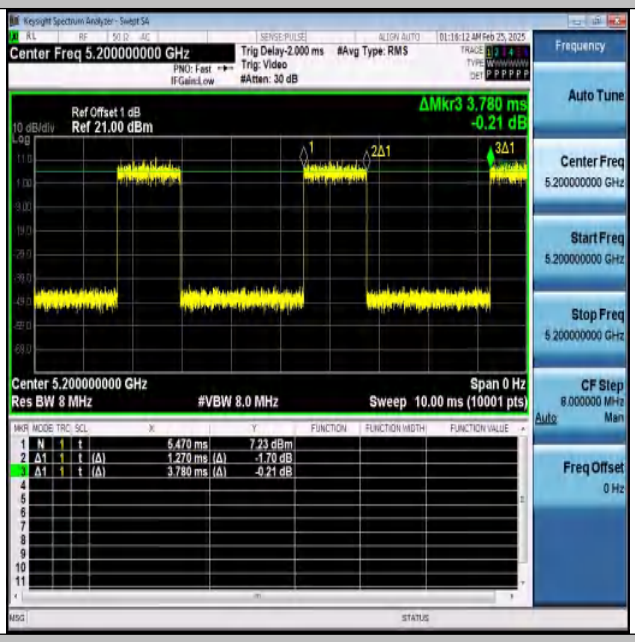
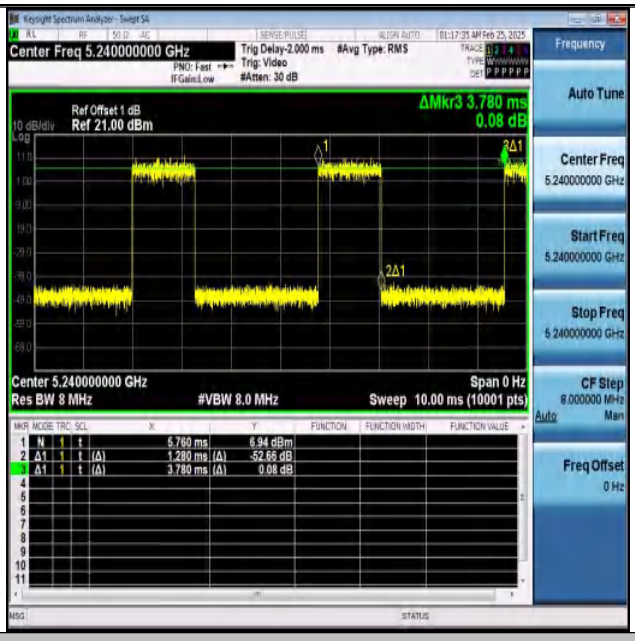
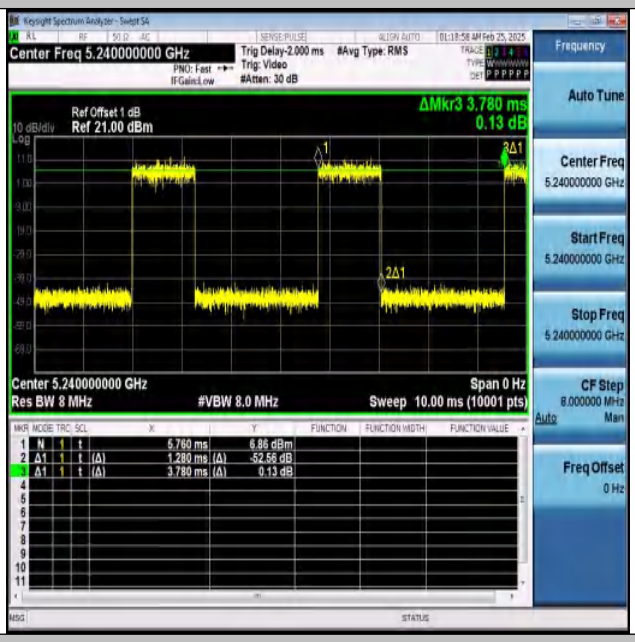


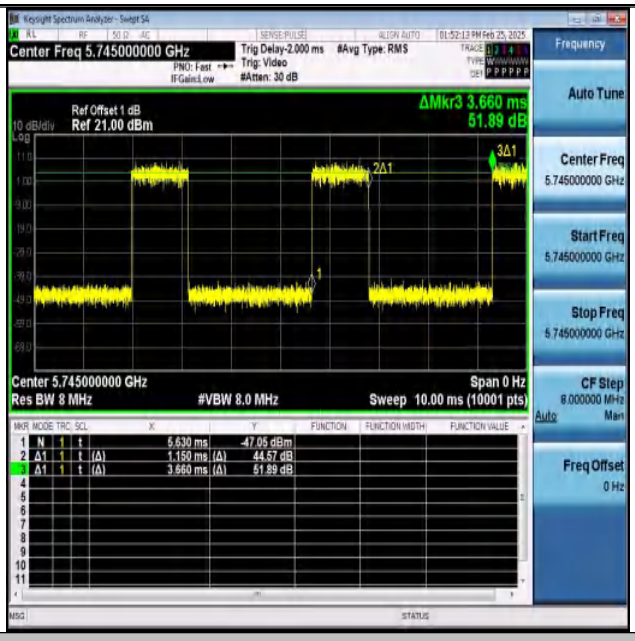

NTNV-11AC20MIMO-Ant2-5200



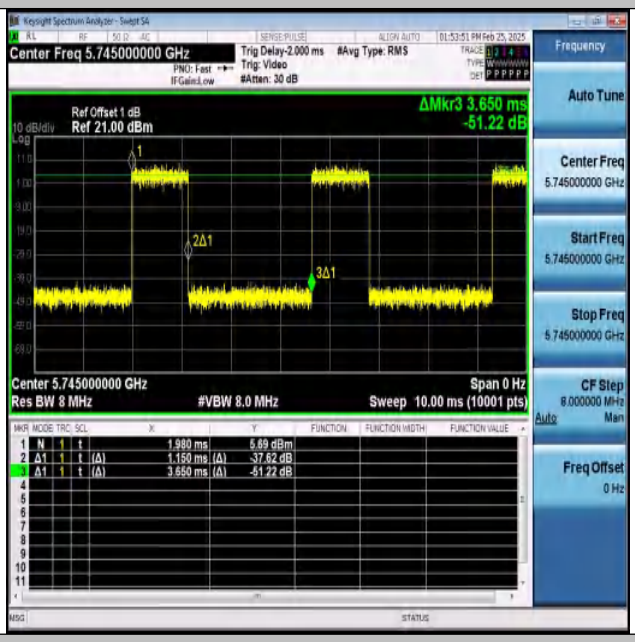

NTNV-11AC20MIMO-Ant1-5240



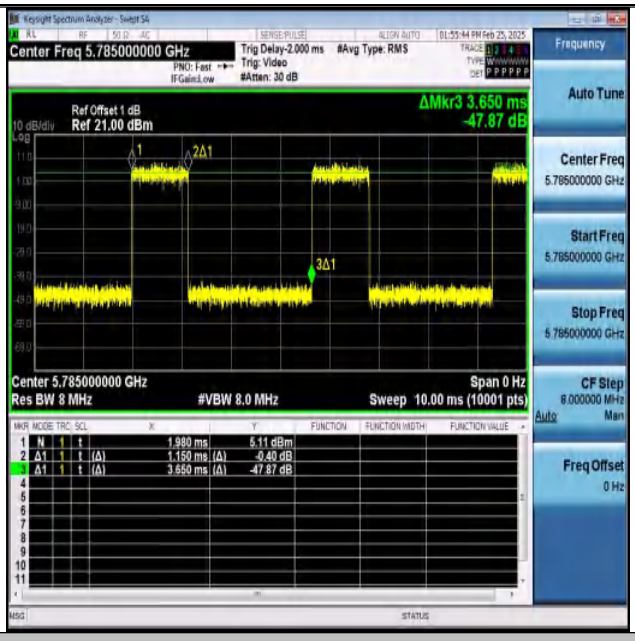

NTNV-11AC20MIMO-Ant2-5240




NTNV-11AC20MIMO-Ant1-5745




NTNV-11AC20MIMO-Ant2-5745

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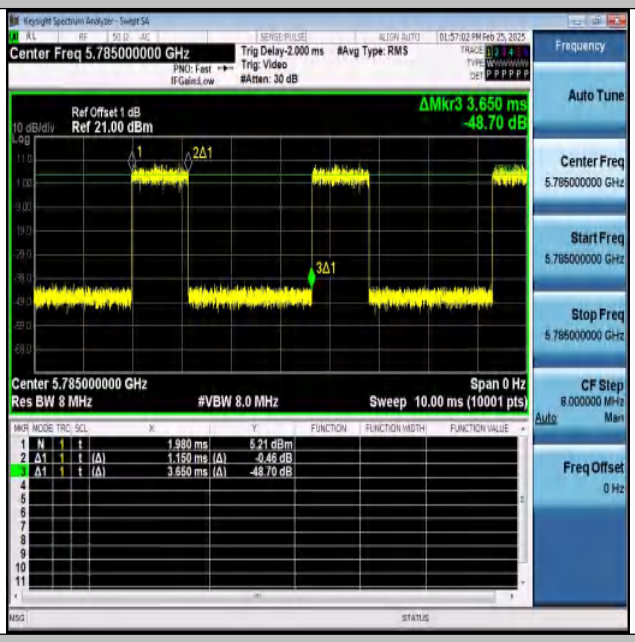


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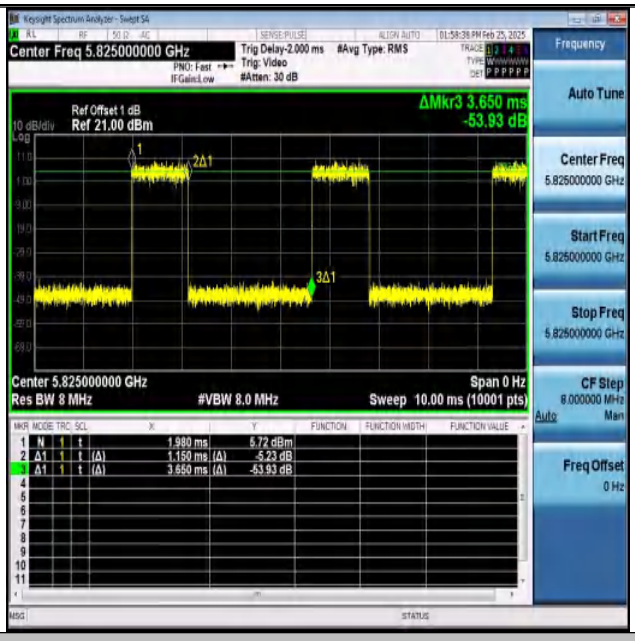


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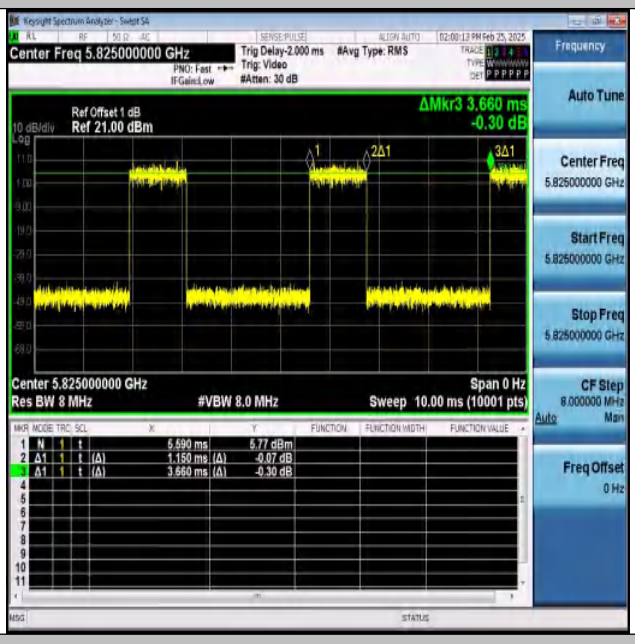


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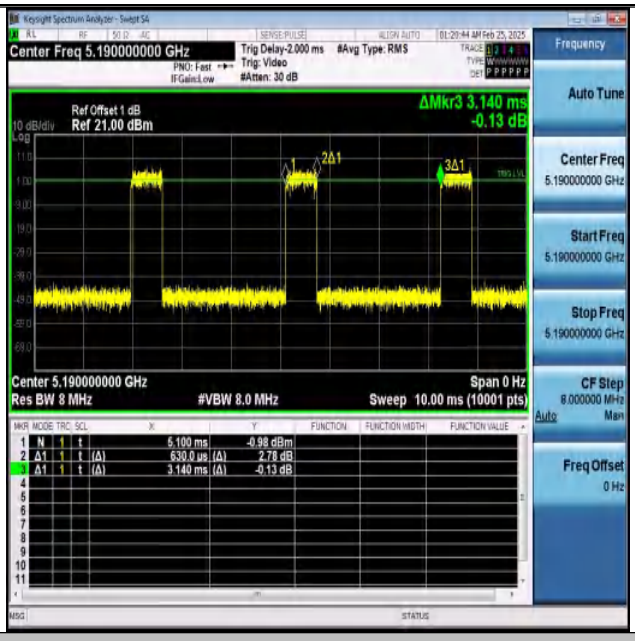
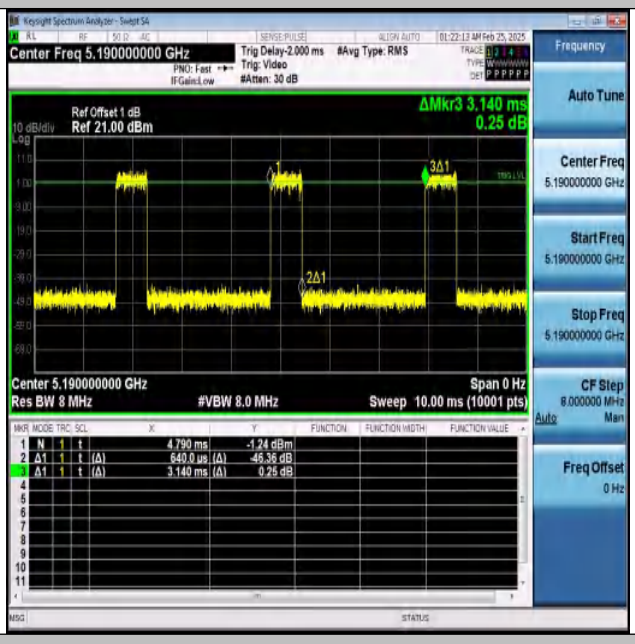



NTNV-11AC40MIMO-Ant1-5190

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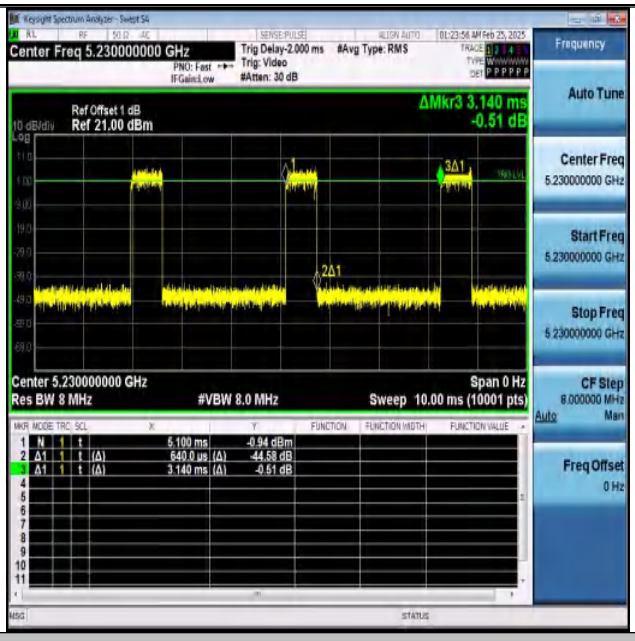
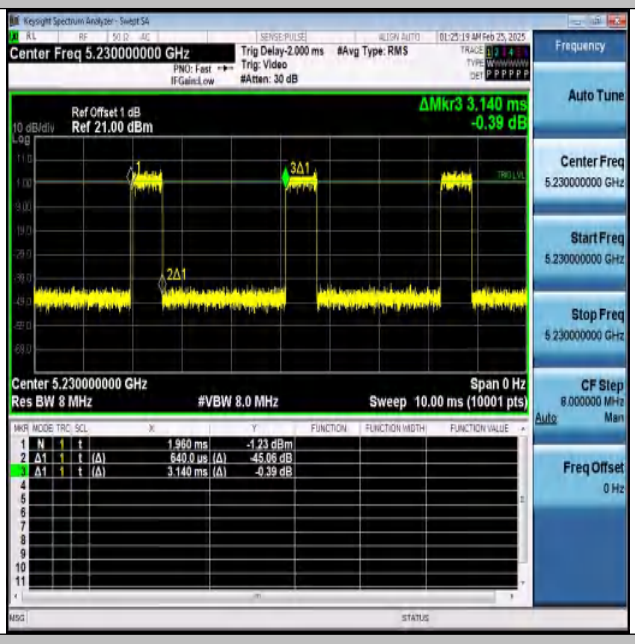



NTNV-11AC40MIMO-Ant1-5230

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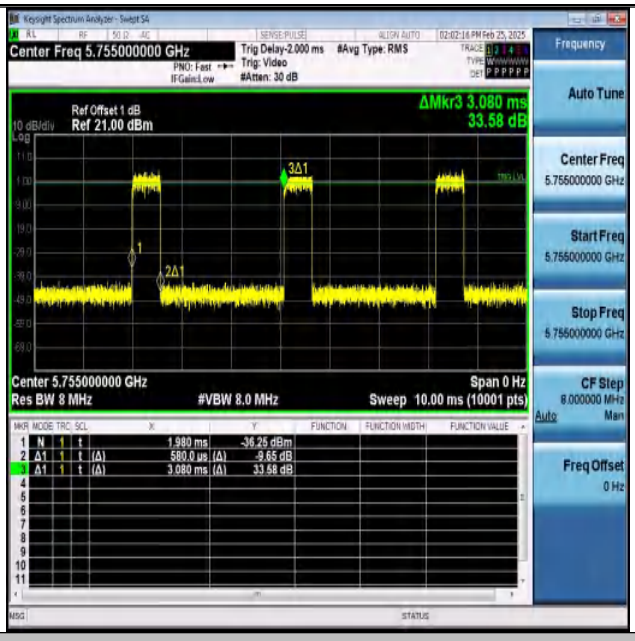
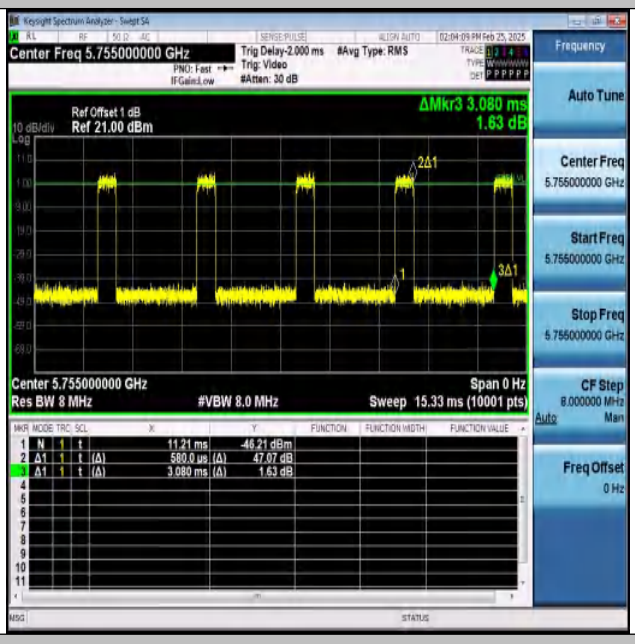



NTNV-11AC40MIMO-Ant1-5755

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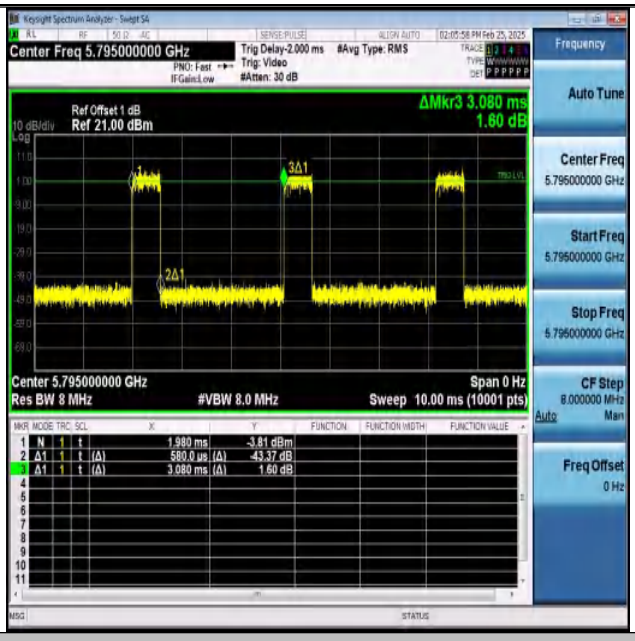


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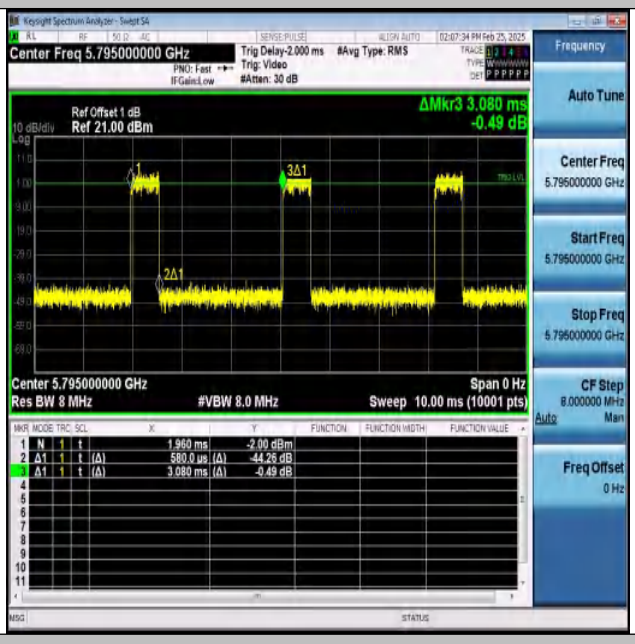


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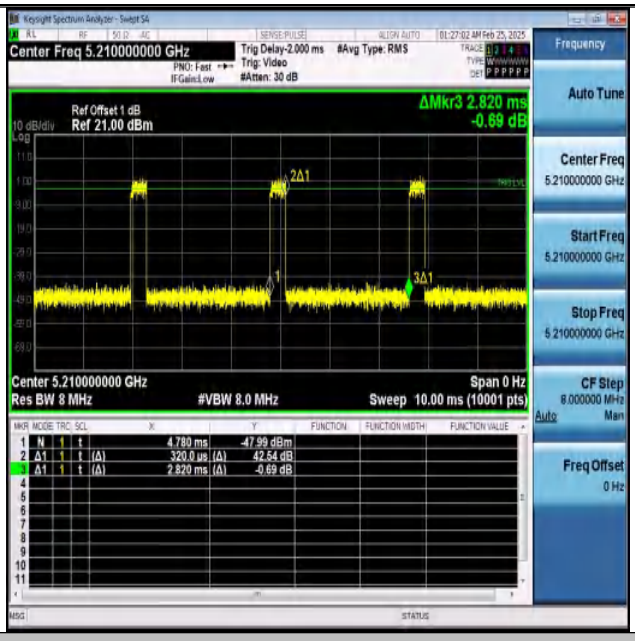


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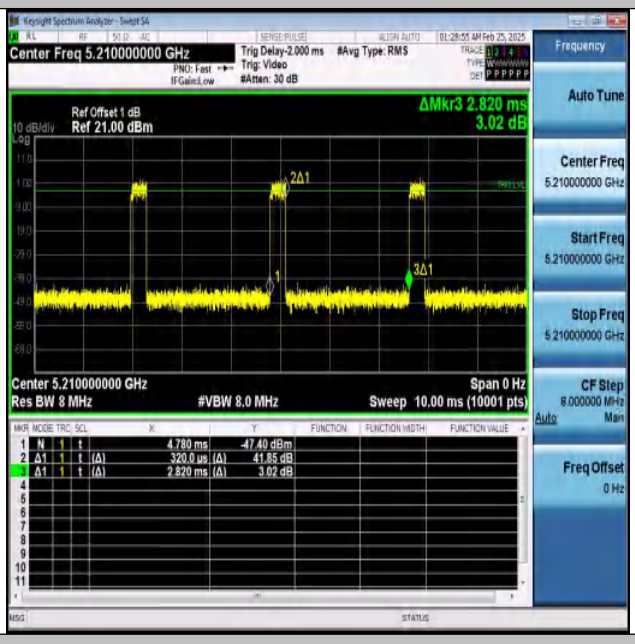


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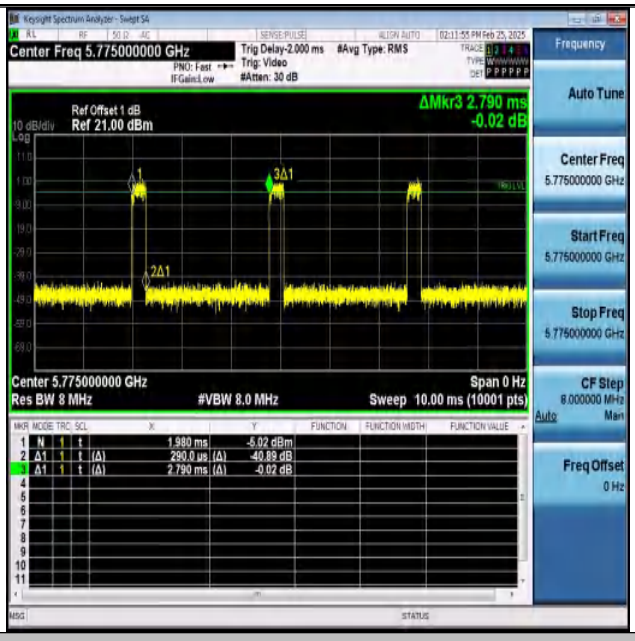


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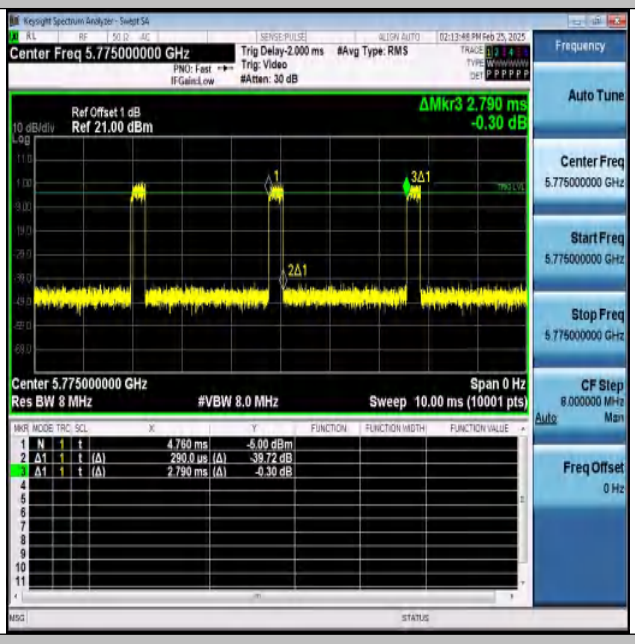


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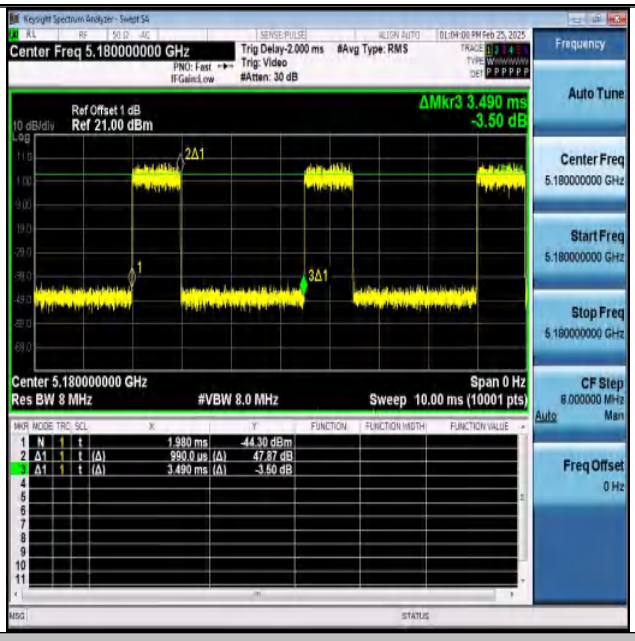
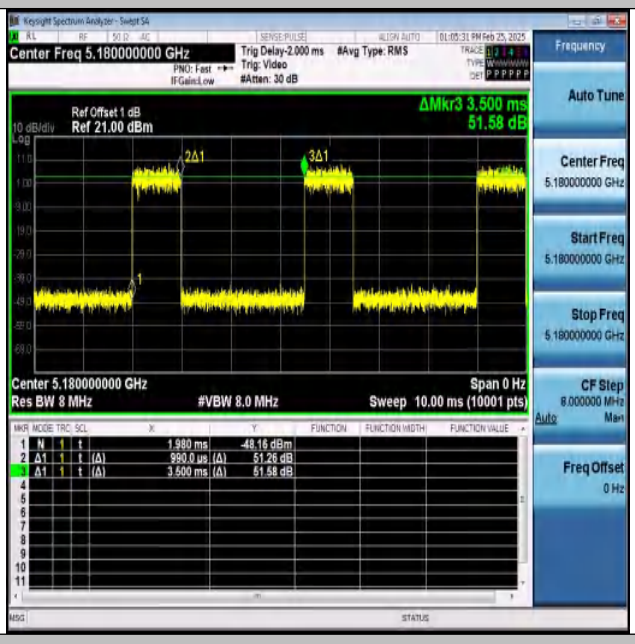
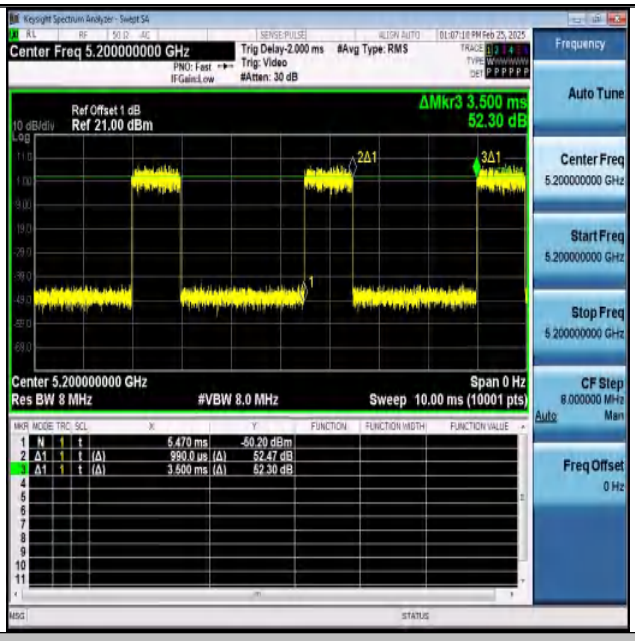



NTNV-11AX20MIMO-Ant1-5180




NTNV-11AX20MIMO-Ant2-5180

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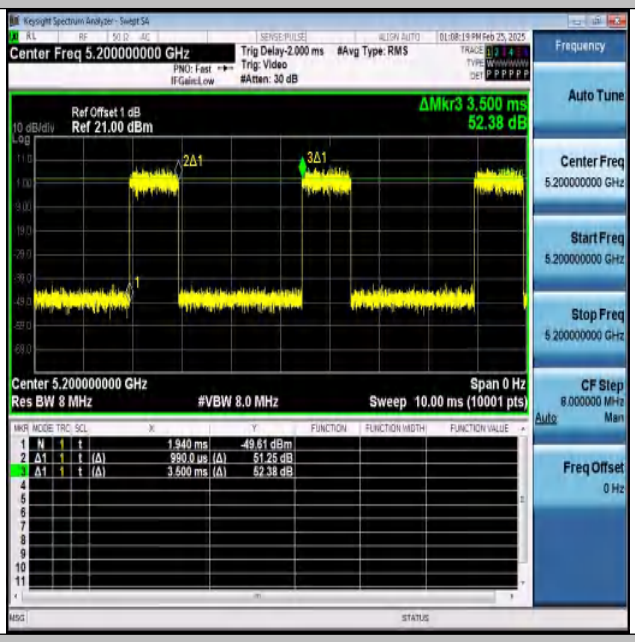


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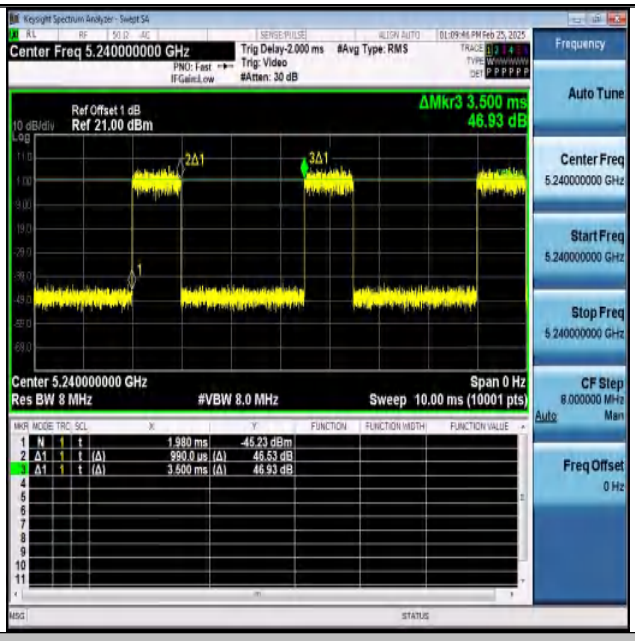


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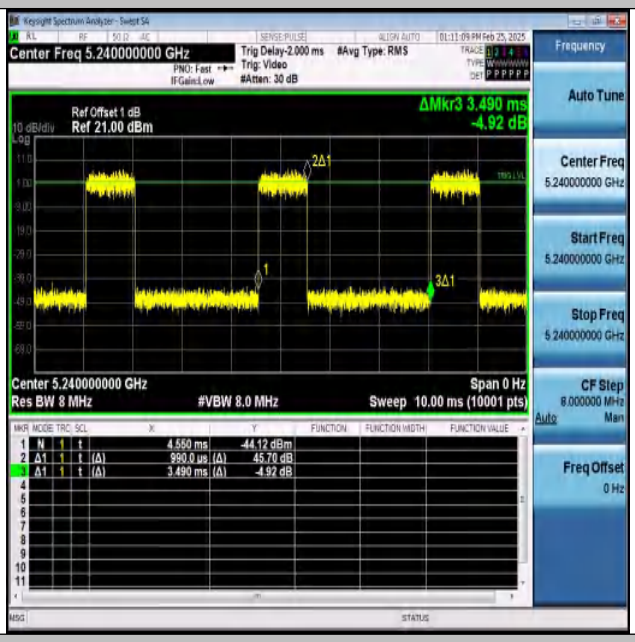


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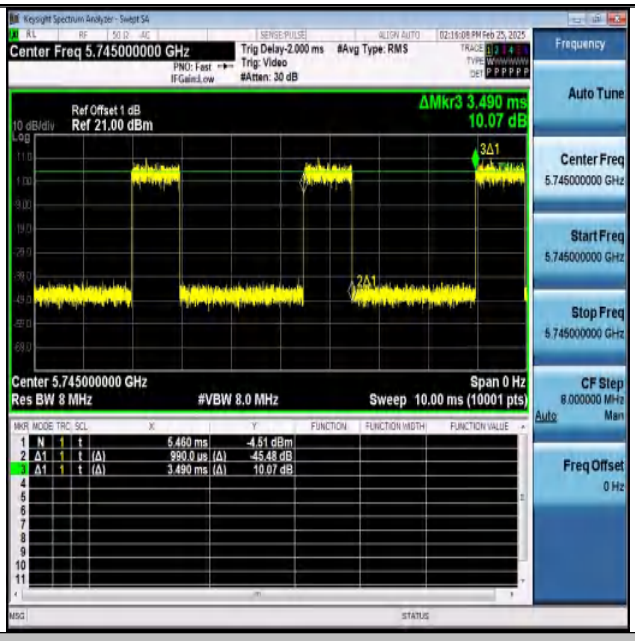


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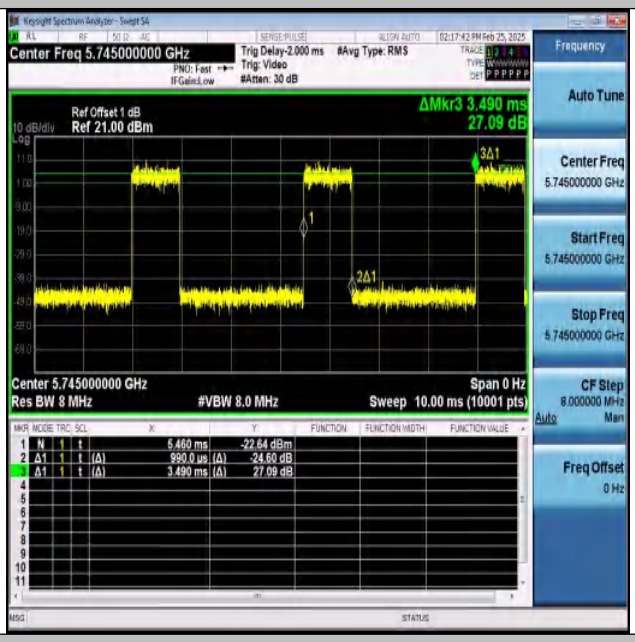


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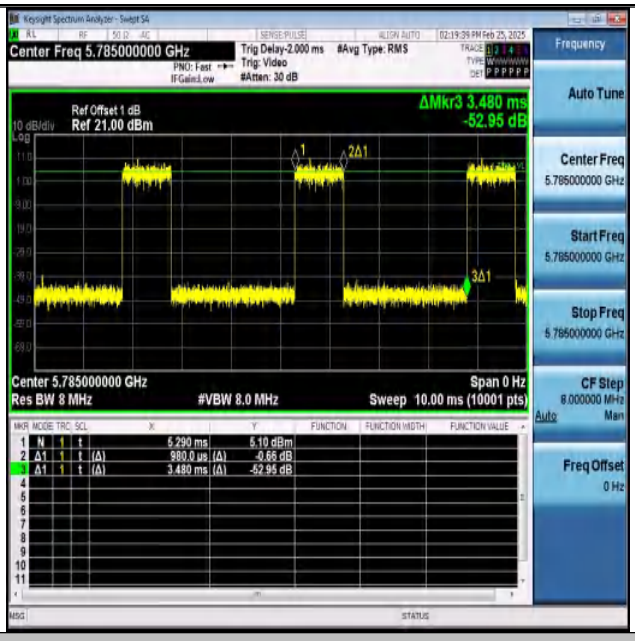
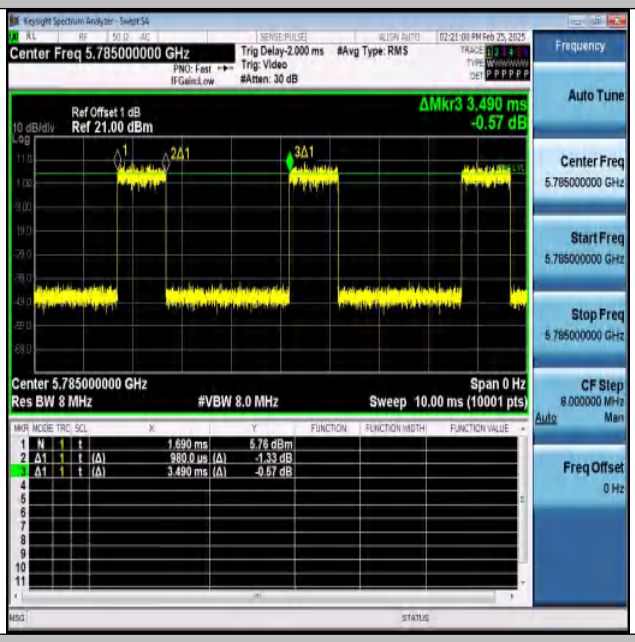
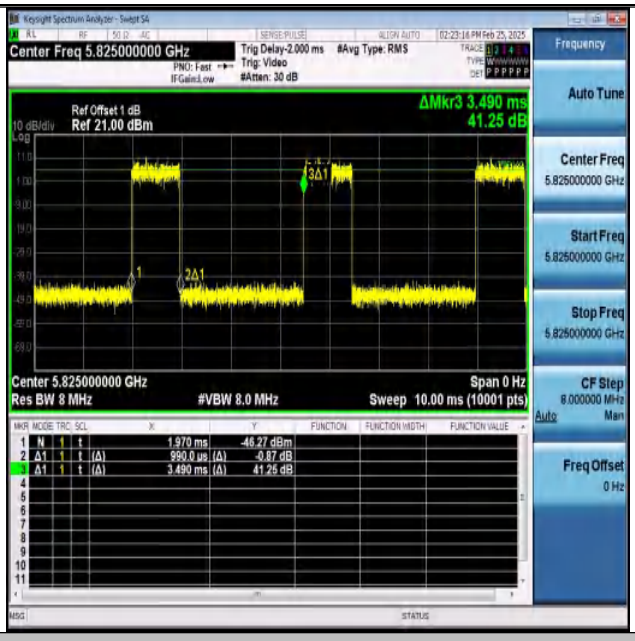


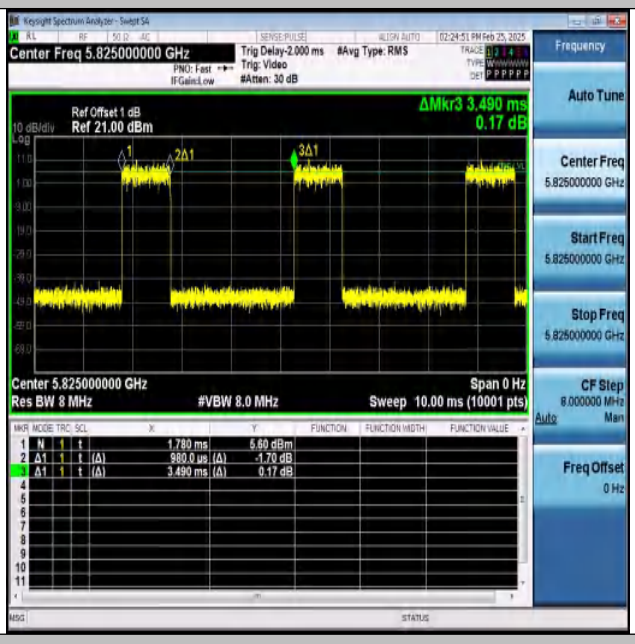

NTNV-11AX20MIMO-Ant1-5785




NTNV-11AX20MIMO-Ant2-5785




NTNV-11AX20MIMO-Ant1-5825

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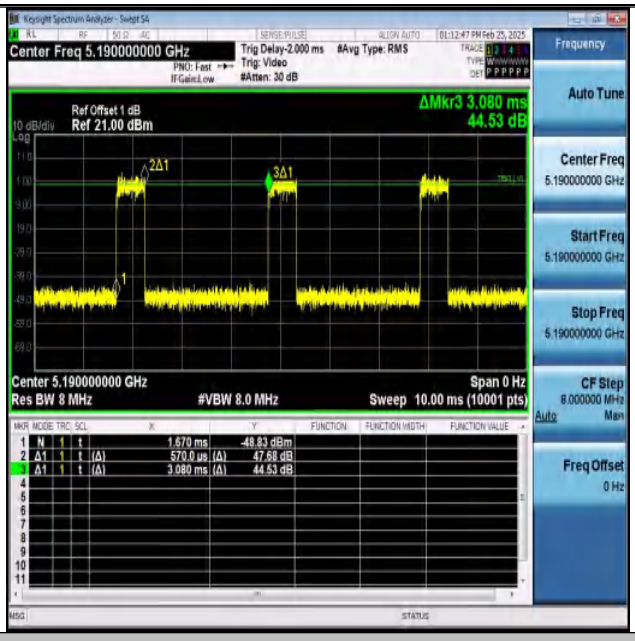


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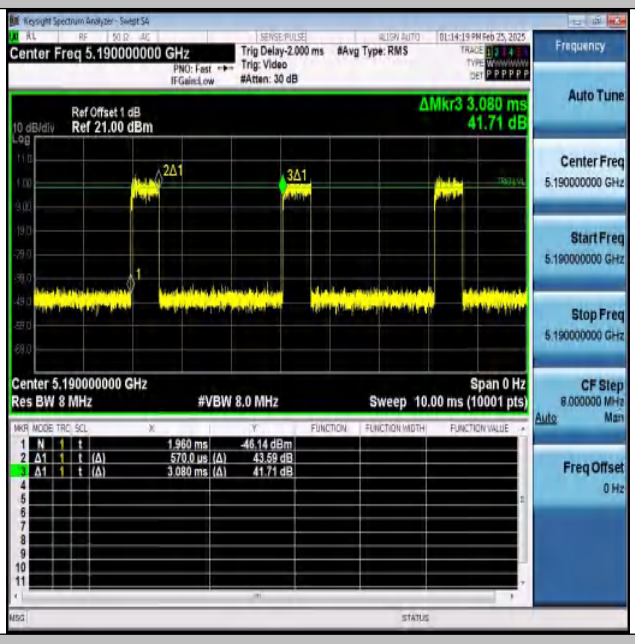
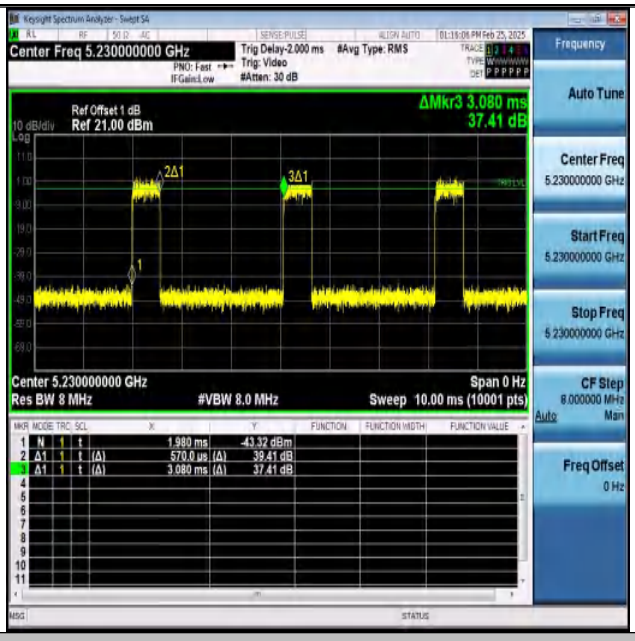
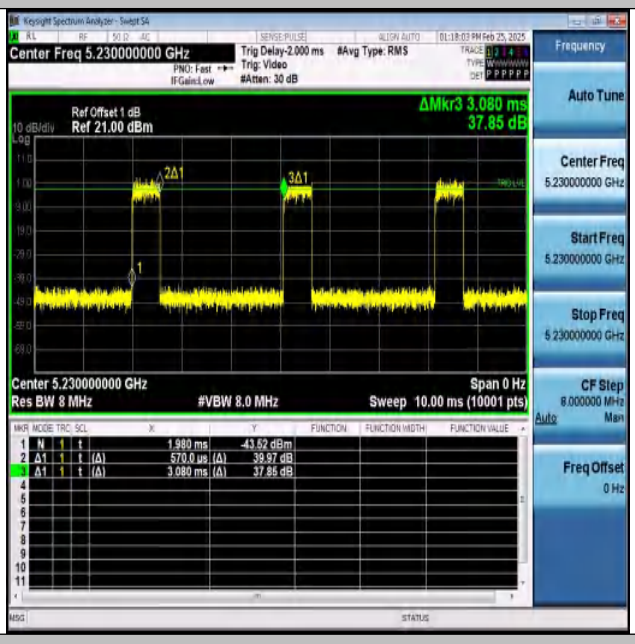



NTNV-11AX40MIMO-Ant2-5190




NTNV-11AX40MIMO-Ant1-5230

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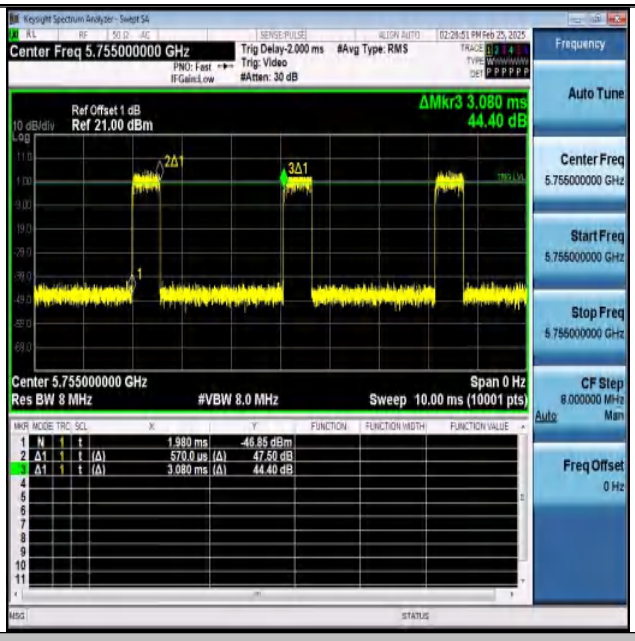


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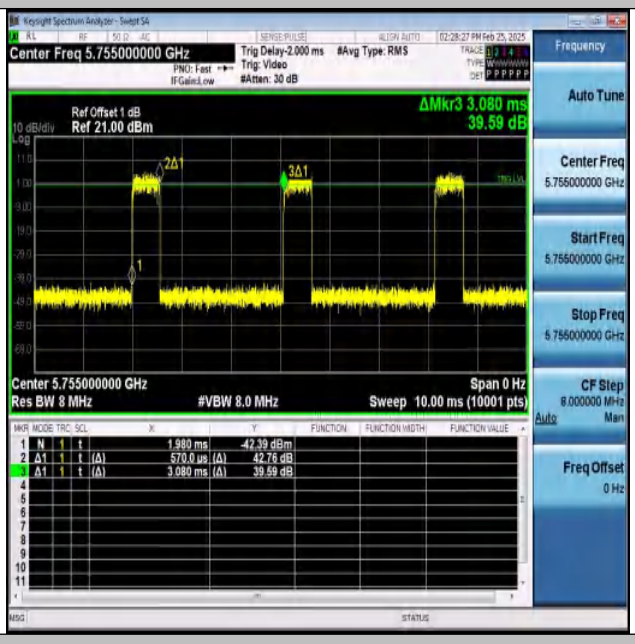
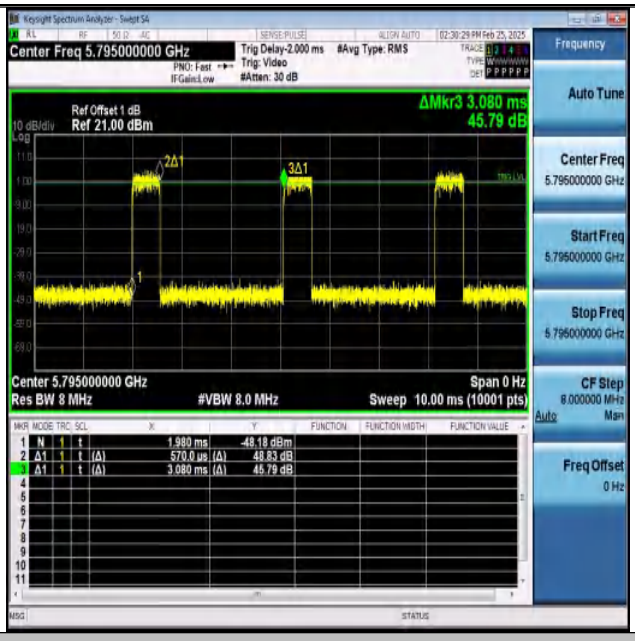
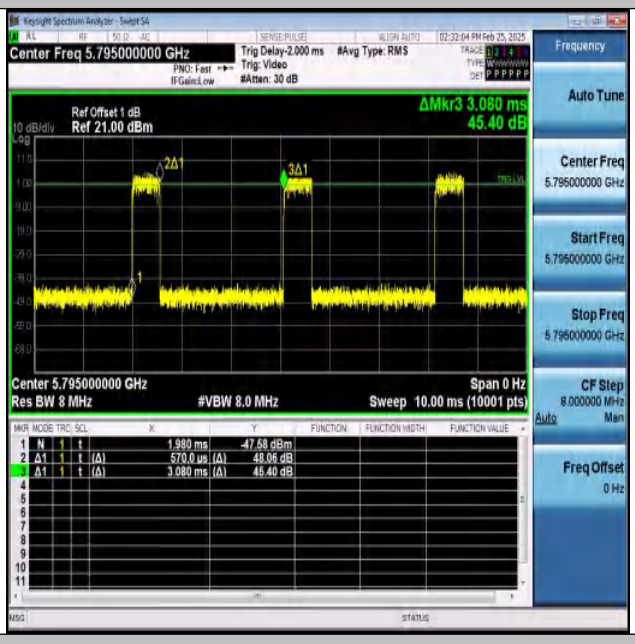


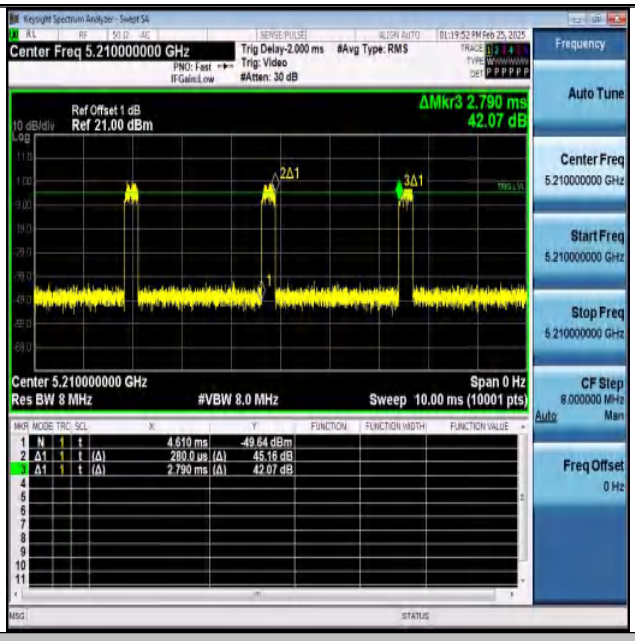

NTNV-11AX40MIMO-Ant2-5755



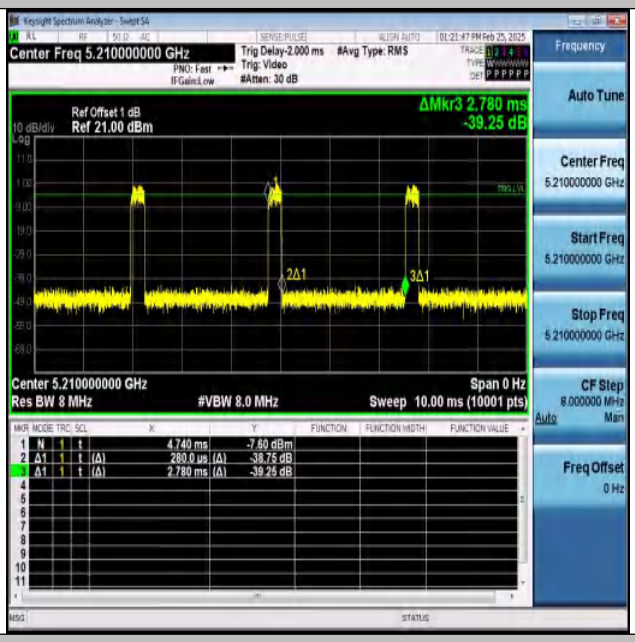

NTNV-11AX40MIMO-Ant1-5795



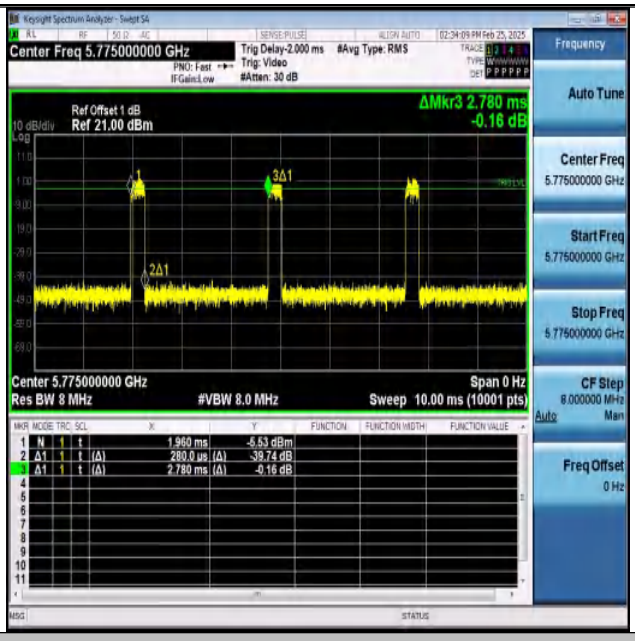

NTNV-11AX40MIMO-Ant2-5795



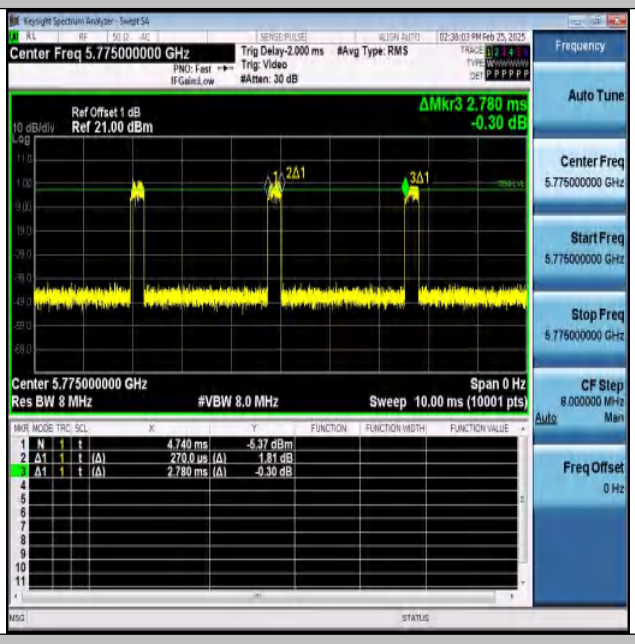

NTNV-11AX80MIMO-Ant1-5210




NTNV-11AX80MIMO-Ant2-5210




NTNV-11AX80MIMO-Ant1-5775




NTNV-11AX80MIMO-Ant2-5775

# Appendix C: Maximum Conducted Output Power

## Test Result Channel Power

| Test Mode | Antenna | Frequency [MHz] | Set Power | Channel Power [dBm] | Duty Cycle [%] | DC Factor [dBm] | Result [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| 11A | Ant1 | 5180 | --- | 9.23 | 35.14 | 4.54 | 13.77 | ≤23.98 | PASS |
| 11A | Ant2 | 5180 | --- | 9.47 | 35.23 | 4.53 | 14.00 | ≤23.98 | PASS |
| 11A | Ant1 | 5200 | --- | 9.29 | 35.23 | 4.53 | 13.82 | ≤23.98 | PASS |
| 11A | Ant2 | 5200 | --- | 9.23 | 35.23 | 4.53 | 13.76 | ≤23.98 | PASS |
| 11A | Ant1 | 5240 | --- | 9.40 | 35.23 | 4.53 | 13.93 | ≤23.98 | PASS |
| 11A | Ant2 | 5240 | --- | 9.36 | 35.23 | 4.53 | 13.89 | ≤23.98 | PASS |
| 11A | Ant1 | 5745 | --- | 7.65 | 35.23 | 4.53 | 12.18 | ≤30.00 | PASS |
| 11A | Ant2 | 5745 | --- | 7.59 | 35.23 | 4.53 | 12.12 | ≤30.00 | PASS |
| 11A | Ant1 | 5785 | --- | 7.79 | 35.23 | 4.53 | 12.32 | ≤30.00 | PASS |
| 11A | Ant2 | 5785 | --- | 7.71 | 35.23 | 4.53 | 12.24 | ≤30.00 | PASS |
| 11A | Ant1 | 5825 | --- | 8.30 | 35.14 | 4.54 | 12.84 | ≤30.00 | PASS |
| 11A | Ant2 | 5825 | --- | 8.38 | 35.23 | 4.53 | 12.91 | ≤30.00 | PASS |
| 11N20MIMO | Ant1 | 5180 | --- | 9.53 | 33.60 | 4.74 | 14.27 | ≤23.98 | PASS |
| 11N20MIMO | Ant2 | 5180 | --- | 9.54 | 33.69 | 4.72 | 14.26 | ≤23.98 | PASS |
| 11N20MIMO | total | 5180 | --- | --- | --- | --- | 17.28 | ≤22.10 | PASS |
| 11N20MIMO | Ant1 | 5200 | --- | 9.23 | 33.69 | 4.72 | 13.95 | ≤23.98 | PASS |
| 11N20MIMO | Ant2 | 5200 | --- | 9.28 | 33.69 | 4.72 | 14.00 | ≤23.98 | PASS |
| 11N20MIMO | total | 5200 | --- | --- | --- | --- | 16.99 | ≤22.10 | PASS |
| 11N20MIMO | Ant1 | 5240 | --- | 9.29 | 33.69 | 4.72 | 14.01 | ≤23.98 | PASS |
| 11N20MIMO | Ant2 | 5240 | --- | 9.35 | 33.86 | 4.70 | 14.05 | ≤23.98 | PASS |
| 11N20MIMO | total | 5240 | --- | --- | --- | --- | 17.04 | ≤22.10 | PASS |
| 11N20MIMO | Ant1 | 5745 | --- | 7.52 | 31.51 | 5.02 | 12.54 | ≤30.00 | PASS |
| 11N20MIMO | Ant2 | 5745 | --- | 7.54 | 31.51 | 5.02 | 12.56 | ≤30.00 | PASS |
| 11N20MIMO | total | 5745 | --- | --- | --- | --- | 15.56 | ≤27.98 | PASS |
| 11N20MIMO | Ant1 | 5785 | --- | 7.83 | 31.51 | 5.02 | 12.85 | ≤30.00 | PASS |
| 11N20MIMO | Ant2 | 5785 | --- | 7.96 | 31.51 | 5.02 | 12.98 | ≤30.00 | PASS |
| 11N20MIMO | total | 5785 | --- | --- | --- | --- | 15.93 | ≤27.98 | PASS |
| 11N20MIMO | Ant1 | 5825 | --- | 8.41 | 31.51 | 5.02 | 13.43 | ≤30.00 | PASS |
| 11N20MIMO | Ant2 | 5825 | --- | 8.36 | 31.51 | 5.02 | 13.38 | ≤30.00 | PASS |
| 11N20MIMO | total | 5825 | --- | --- | --- | --- | 16.42 | ≤27.98 | PASS |
| 11N40MIMO | Ant1 | 5190 | --- | 9.03 | 20.38 | 6.91 | 15.94 | ≤23.98 | PASS |
| 11N40MIMO | Ant2 | 5190 | --- | 8.93 | 20.13 | 6.96 | 15.89 | ≤23.98 | PASS |
| 11N40MIMO | total | 5190 | --- | --- | --- | --- | 18.93 | ≤22.10 | PASS |
| 11N40MIMO | Ant1 | 5230 | --- | 9.10 | 20.13 | 6.96 | 16.06 | ≤23.98 | PASS |
| 11N40MIMO | Ant2 | 5230 | --- | 9.04 | 20.13 | 6.96 | 16.00 | ≤23.98 | PASS |
| 11N40MIMO | total | 5230 | --- | --- | --- | --- | 19.04 | ≤22.10 | PASS |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 11N40MIMO | Ant1 | 5755 | --- | 7.48 | 18.51 | 7.33 | 14.81 | ≤30.00 | PASS |
| 11N40MIMO | Ant2 | 5755 | --- | 7.59 | 18.51 | 7.33 | 14.92 | ≤30.00 | PASS |
| 11N40MIMO | total | 5755 | --- | --- | --- | --- | 17.88 | ≤27.98 | PASS |
| 11N40MIMO | Ant1 | 5795 | --- | 8.02 | 18.51 | 7.33 | 15.35 | ≤30.00 | PASS |
| 11N40MIMO | Ant2 | 5795 | --- | 7.99 | 18.51 | 7.33 | 15.32 | ≤30.00 | PASS |
| 11N40MIMO | total | 5795 | --- | --- | --- | --- | 18.35 | ≤27.98 | PASS |
| 11AC20MIMO | Ant1 | 5180 | --- | 9.53 | 33.86 | 4.70 | 14.23 | ≤23.98 | PASS |
| 11AC20MIMO | Ant2 | 5180 | --- | 9.45 | 33.86 | 4.70 | 14.15 | ≤23.98 | PASS |
| 11AC20MIMO | total | 5180 | --- | --- | --- | --- | 17.20 | ≤22.10 | PASS |
| 11AC20MIMO | Ant1 | 5200 | --- | 9.32 | 33.86 | 4.70 | 14.02 | ≤23.98 | PASS |
| 11AC20MIMO | Ant2 | 5200 | --- | 9.35 | 33.60 | 4.74 | 14.09 | ≤23.98 | PASS |
| 11AC20MIMO | total | 5200 | --- | --- | --- | --- | 17.07 | ≤22.10 | PASS |
| 11AC20MIMO | Ant1 | 5240 | --- | 9.13 | 33.86 | 4.70 | 13.83 | ≤23.98 | PASS |
| 11AC20MIMO | Ant2 | 5240 | --- | 9.22 | 33.86 | 4.70 | 13.92 | ≤23.98 | PASS |
| 11AC20MIMO | total | 5240 | --- | --- | --- | --- | 16.89 | ≤22.10 | PASS |
| 11AC20MIMO | Ant1 | 5745 | --- | 7.52 | 31.42 | 5.03 | 12.55 | ≤30.00 | PASS |
| 11AC20MIMO | Ant2 | 5745 | --- | 7.56 | 31.51 | 5.02 | 12.58 | ≤30.00 | PASS |
| 11AC20MIMO | total | 5745 | --- | --- | --- | --- | 15.58 | ≤27.98 | PASS |
| 11AC20MIMO | Ant1 | 5785 | --- | 7.66 | 31.51 | 5.02 | 12.68 | ≤30.00 | PASS |
| 11AC20MIMO | Ant2 | 5785 | --- | 7.60 | 31.51 | 5.02 | 12.62 | ≤30.00 | PASS |
| 11AC20MIMO | total | 5785 | --- | --- | --- | --- | 15.66 | ≤27.98 | PASS |
| 11AC20MIMO | Ant1 | 5825 | --- | 7.92 | 31.51 | 5.02 | 12.94 | ≤30.00 | PASS |
| 11AC20MIMO | Ant2 | 5825 | --- | 8.13 | 31.42 | 5.03 | 13.16 | ≤30.00 | PASS |
| 11AC20MIMO | total | 5825 | --- | --- | --- | --- | 16.06 | ≤27.98 | PASS |
| 11AC40MIMO | Ant1 | 5190 | --- | 8.97 | 20.06 | 6.98 | 15.95 | ≤23.98 | PASS |
| 11AC40MIMO | Ant2 | 5190 | --- | 9.02 | 20.38 | 6.91 | 15.93 | ≤23.98 | PASS |
| 11AC40MIMO | total | 5190 | --- | --- | --- | --- | 18.95 | ≤22.10 | PASS |
| 11AC40MIMO | Ant1 | 5230 | --- | 9.05 | 20.38 | 6.91 | 15.96 | ≤23.98 | PASS |
| 11AC40MIMO | Ant2 | 5230 | --- | 8.98 | 20.38 | 6.91 | 15.89 | ≤23.98 | PASS |
| 11AC40MIMO | total | 5230 | --- | --- | --- | --- | 18.94 | ≤22.10 | PASS |
| 11AC40MIMO | Ant1 | 5755 | --- | 7.63 | 18.83 | 7.25 | 14.88 | ≤30.00 | PASS |
| 11AC40MIMO | Ant2 | 5755 | --- | 7.71 | 18.83 | 7.25 | 14.96 | ≤30.00 | PASS |
| 11AC40MIMO | total | 5755 | --- | --- | --- | --- | 17.93 | ≤27.98 | PASS |
| 11AC40MIMO | Ant1 | 5795 | --- | 7.92 | 18.83 | 7.25 | 15.17 | ≤30.00 | PASS |
| 11AC40MIMO | Ant2 | 5795 | --- | 8.02 | 18.83 | 7.25 | 15.27 | ≤30.00 | PASS |
| 11AC40MIMO | total | 5795 | --- | --- | --- | --- | 18.23 | ≤27.98 | PASS |
| 11AC80MIMO | Ant1 | 5210 | --- | 7.74 | 11.35 | 9.45 | 17.19 | ≤23.98 | PASS |
| 11AC80MIMO | Ant2 | 5210 | --- | 7.83 | 11.35 | 9.45 | 17.28 | ≤23.98 | PASS |
| 11AC80MIMO | total | 5210 | --- | --- | --- | --- | 20.25 | ≤22.10 | PASS |
| 11AC80MIMO | Ant1 | 5775 | --- | 7.20 | 10.39 | 9.83 | 17.03 | ≤30.00 | PASS |
| 11AC80MIMO | Ant2 | 5775 | --- | 7.27 | 10.39 | 9.83 | 17.10 | ≤30.00 | PASS |
| 11AC80MIMO | total | 5775 | --- | --- | --- | --- | 20.08 | ≤27.98 | PASS |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 11AX20MIMO | Ant1 | 5180 | --- | 8.01 | 28.37 | 5.47 | 13.48 | ≤23.98 | PASS |
| 11AX20MIMO | Ant2 | 5180 | --- | 7.87 | 28.29 | 5.48 | 13.35 | ≤23.98 | PASS |
| 11AX20MIMO | total | 5180 | --- | --- | --- | --- | 16.43 | ≤22.10 | PASS |
| 11AX20MIMO | Ant1 | 5200 | --- | 6.98 | 28.29 | 5.48 | 12.46 | ≤23.98 | PASS |
| 11AX20MIMO | Ant2 | 5200 | --- | 6.95 | 28.29 | 5.48 | 12.43 | ≤23.98 | PASS |
| 11AX20MIMO | total | 5200 | --- | --- | --- | --- | 15.46 | ≤22.10 | PASS |
| 11AX20MIMO | Ant1 | 5240 | --- | 6.02 | 28.29 | 5.48 | 11.50 | ≤23.98 | PASS |
| 11AX20MIMO | Ant2 | 5240 | --- | 5.99 | 28.37 | 5.47 | 11.46 | ≤23.98 | PASS |
| 11AX20MIMO | total | 5240 | --- | --- | --- | --- | 14.49 | ≤22.10 | PASS |
| 11AX20MIMO | Ant1 | 5745 | --- | 8.27 | 28.37 | 5.47 | 13.74 | ≤30.00 | PASS |
| 11AX20MIMO | Ant2 | 5745 | --- | 8.13 | 28.37 | 5.47 | 13.60 | ≤30.00 | PASS |
| 11AX20MIMO | total | 5745 | --- | --- | --- | --- | 16.68 | ≤27.98 | PASS |
| 11AX20MIMO | Ant1 | 5785 | --- | 8.31 | 28.16 | 5.50 | 13.81 | ≤30.00 | PASS |
| 11AX20MIMO | Ant2 | 5785 | --- | 8.27 | 28.08 | 5.52 | 13.79 | ≤30.00 | PASS |
| 11AX20MIMO | total | 5785 | --- | --- | --- | --- | 16.81 | ≤27.98 | PASS |
| 11AX20MIMO | Ant1 | 5825 | --- | 9.36 | 28.37 | 5.47 | 14.83 | ≤30.00 | PASS |
| 11AX20MIMO | Ant2 | 5825 | --- | 9.32 | 28.08 | 5.52 | 14.84 | ≤30.00 | PASS |
| 11AX20MIMO | total | 5825 | --- | --- | --- | --- | 17.85 | ≤27.98 | PASS |
| 11AX40MIMO | Ant1 | 5190 | --- | 5.80 | 18.51 | 7.33 | 13.13 | ≤23.98 | PASS |
| 11AX40MIMO | Ant2 | 5190 | --- | 5.82 | 18.51 | 7.33 | 13.15 | ≤23.98 | PASS |
| 11AX40MIMO | total | 5190 | --- | --- | --- | --- | 16.15 | ≤22.10 | PASS |
| 11AX40MIMO | Ant1 | 5230 | --- | 4.40 | 18.51 | 7.33 | 11.73 | ≤23.98 | PASS |
| 11AX40MIMO | Ant2 | 5230 | --- | 4.68 | 18.51 | 7.33 | 12.01 | ≤23.98 | PASS |
| 11AX40MIMO | total | 5230 | --- | --- | --- | --- | 14.88 | ≤22.10 | PASS |
| 11AX40MIMO | Ant1 | 5755 | --- | 7.57 | 18.51 | 7.33 | 14.90 | ≤30.00 | PASS |
| 11AX40MIMO | Ant2 | 5755 | --- | 7.60 | 18.51 | 7.33 | 14.93 | ≤30.00 | PASS |
| 11AX40MIMO | total | 5755 | --- | --- | --- | --- | 17.93 | ≤27.98 | PASS |
| 11AX40MIMO | Ant1 | 5795 | --- | 7.77 | 18.51 | 7.33 | 15.10 | ≤30.00 | PASS |
| 11AX40MIMO | Ant2 | 5795 | --- | 7.60 | 18.51 | 7.33 | 14.93 | ≤30.00 | PASS |
| 11AX40MIMO | total | 5795 | --- | --- | --- | --- | 18.03 | ≤27.98 | PASS |
| 11AX80MIMO | Ant1 | 5210 | --- | 5.63 | 10.04 | 9.98 | 15.61 | ≤23.98 | PASS |
| 11AX80MIMO | Ant2 | 5210 | --- | 5.55 | 10.07 | 9.97 | 15.52 | ≤23.98 | PASS |
| 11AX80MIMO | total | 5210 | --- | --- | --- | --- | 18.58 | ≤22.10 | PASS |
| 11AX80MIMO | Ant1 | 5775 | --- | 7.43 | 10.07 | 9.97 | 17.40 | ≤30.00 | PASS |
| 11AX80MIMO | Ant2 | 5775 | --- | 7.28 | 9.71 | 10.13 | 17.41 | ≤30.00 | PASS |
| 11AX80MIMO | total | 5775 | --- | --- | --- | --- | 20.42 | ≤27.98 | PASS |

Note:

1.The Duty Cycle Factor and cable loss are compensated in the graph.

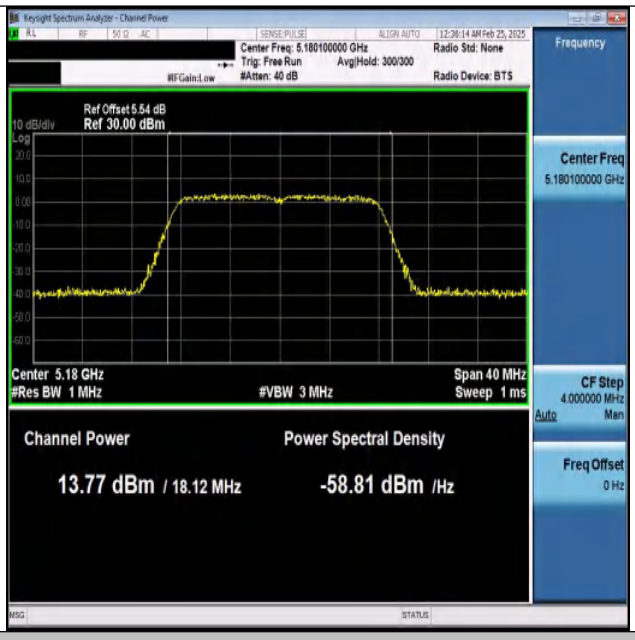
2.For WiFi 5.2G, as Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}$] dBi=7.88>6dBi,

For WiFi 5.8G, as Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}$] dBi=8.02>6dBi,

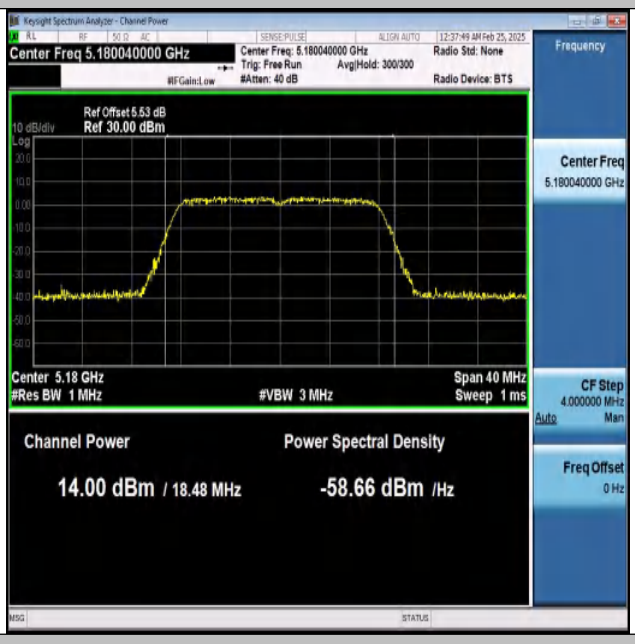
so Final limit=limit-(Directional gain-6.00)dBm;

3. MIMO= 10*LOG((10^Ant2/10)+10^(ANT2/10))

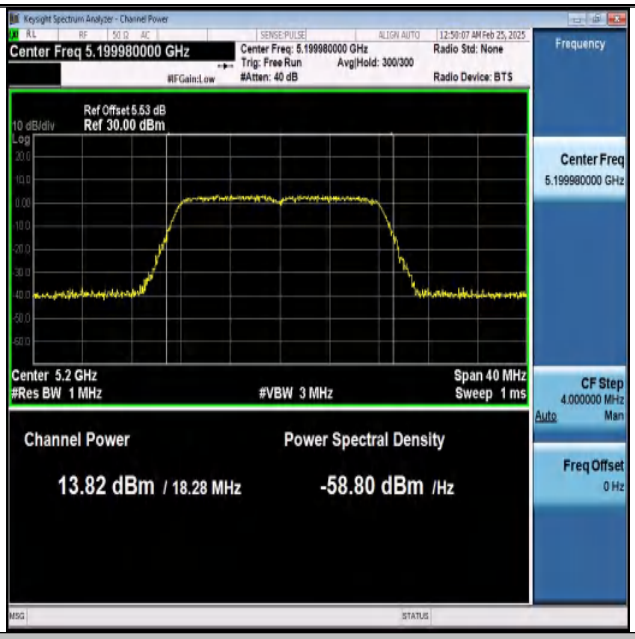
## Test Graphs Channel Power



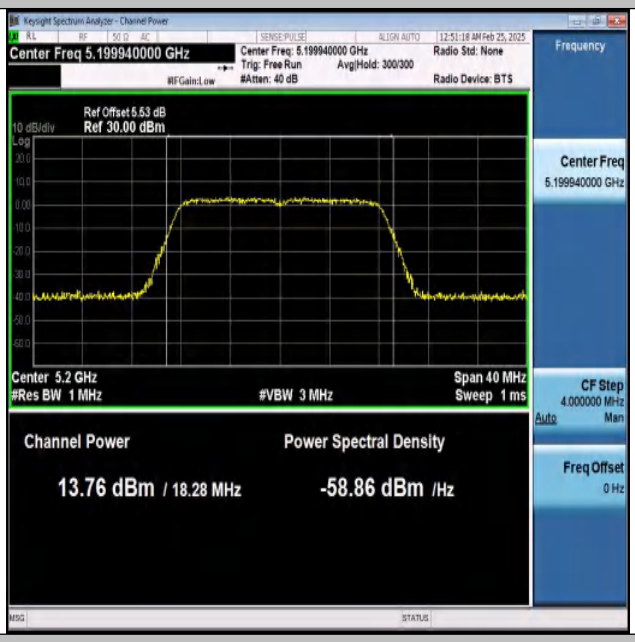

11A-Ant1-5180-PASS



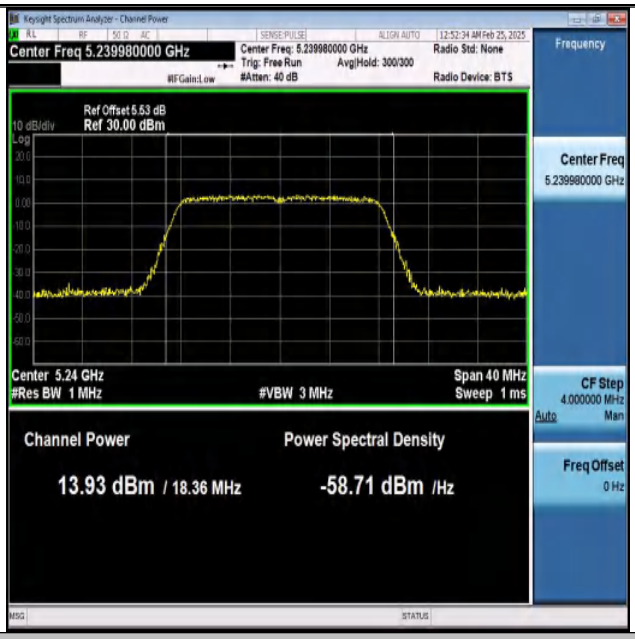

11A-Ant2-5180-PASS



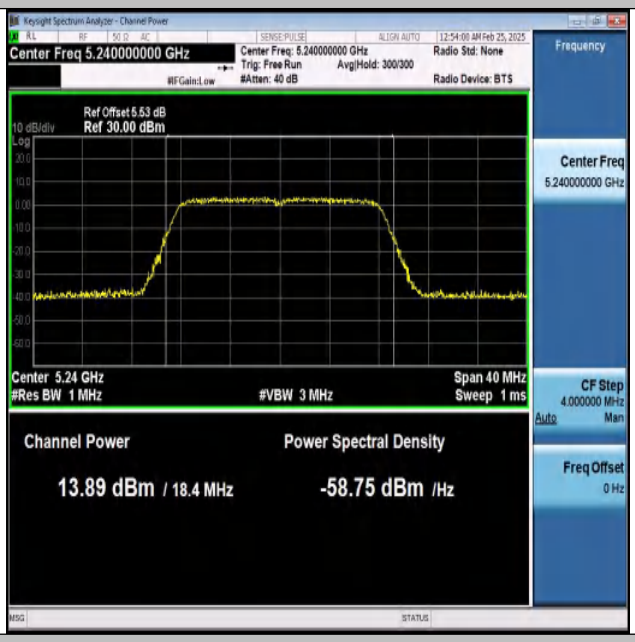

11A-Ant1-5200-PASS



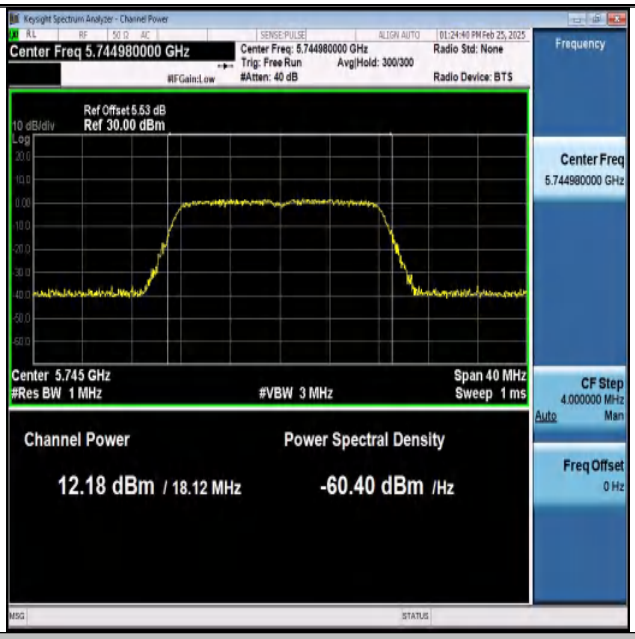

11A-Ant2-5200-PASS



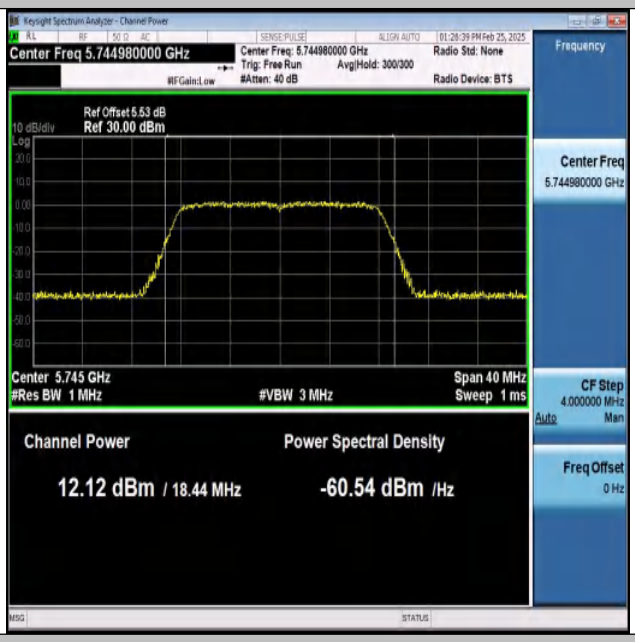

11A-Ant1-5240-PASS



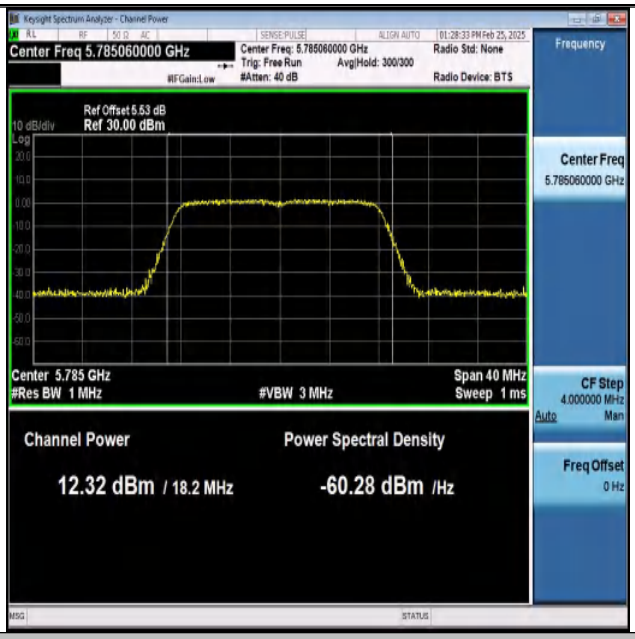

11A-Ant2-5240-PASS



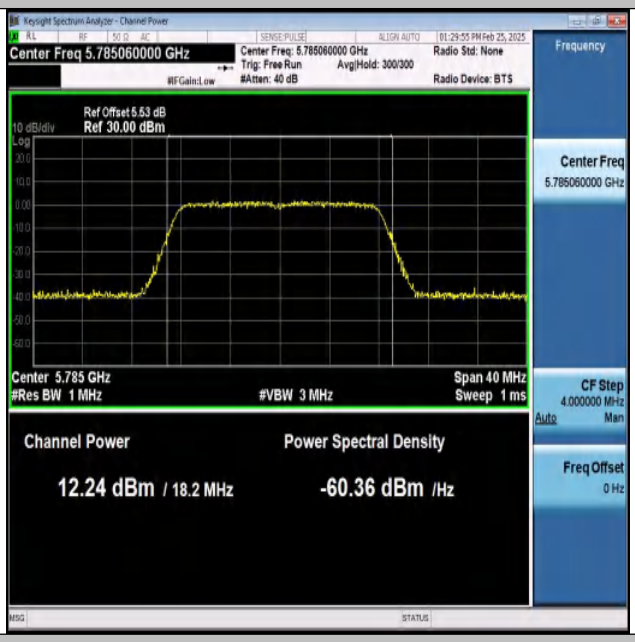

11A-Ant1-5745-PASS



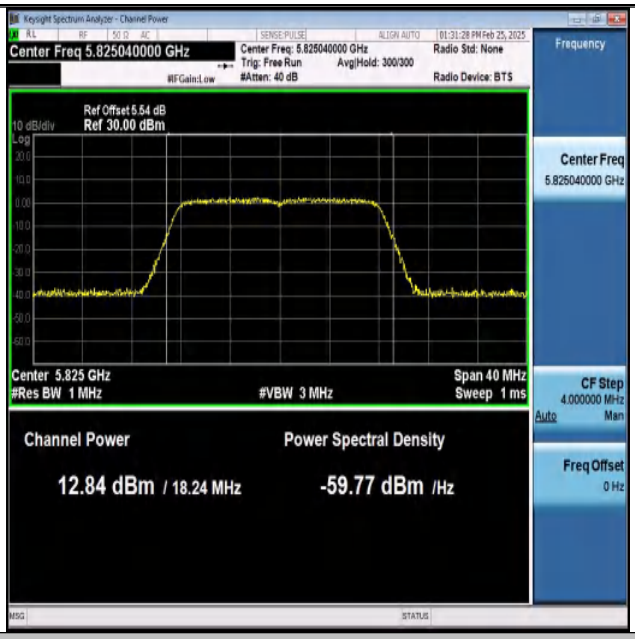

11A-Ant2-5745-PASS



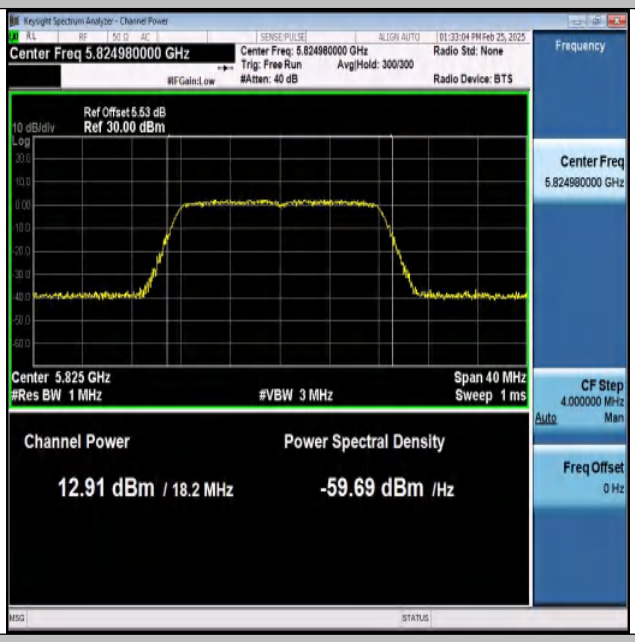

11A-Ant1-5785-PASS



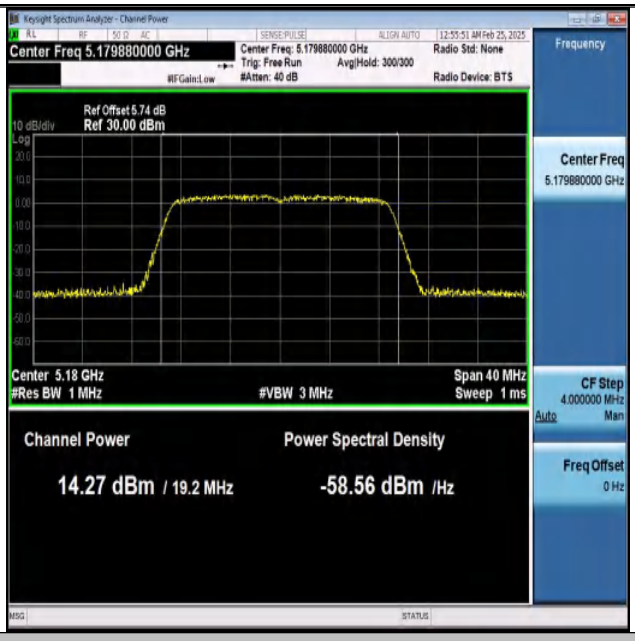

11A-Ant2-5785-PASS



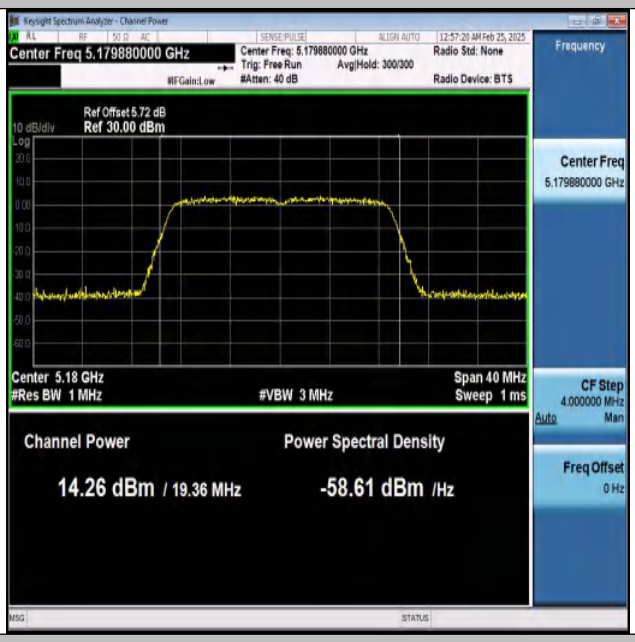

11A-Ant1-5825-PASS



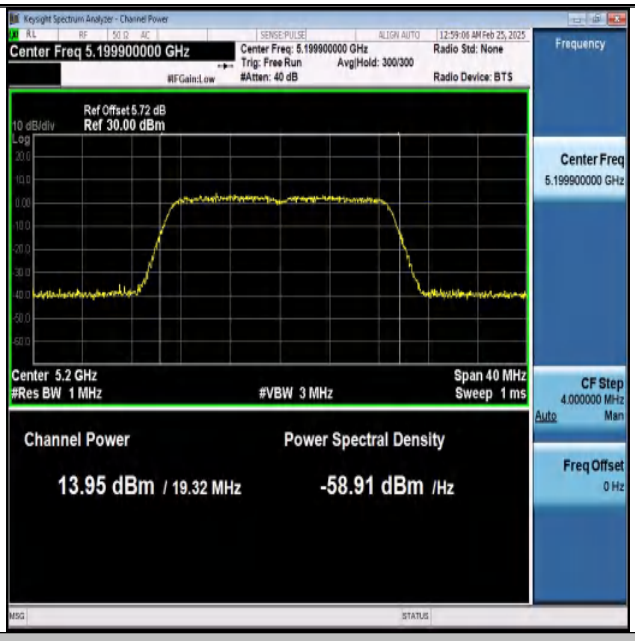

11A-Ant2-5825-PASS



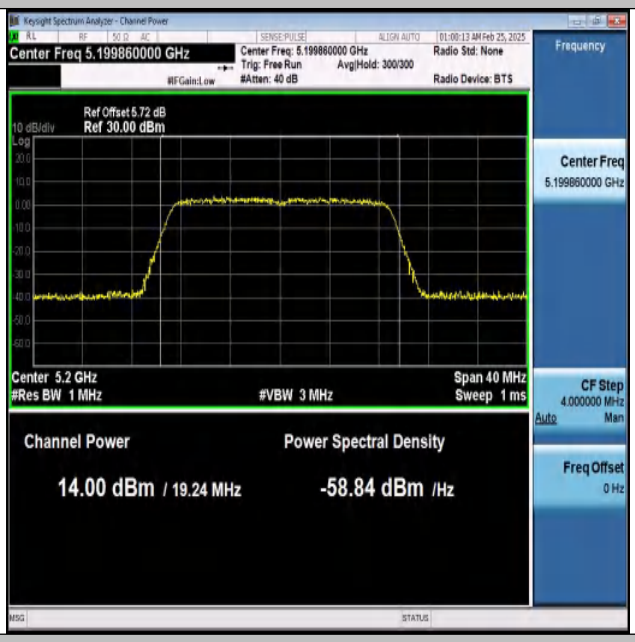

11N20MIMO-Ant1-5180-PASS



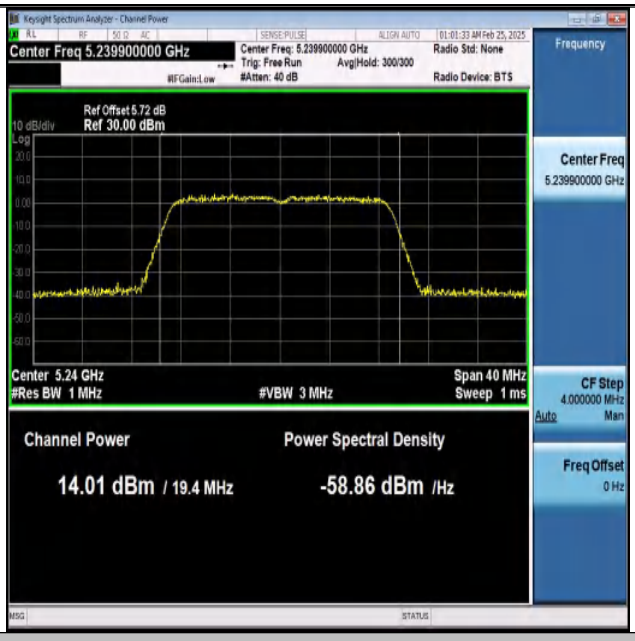

11N20MIMO-Ant2-5180-PASS



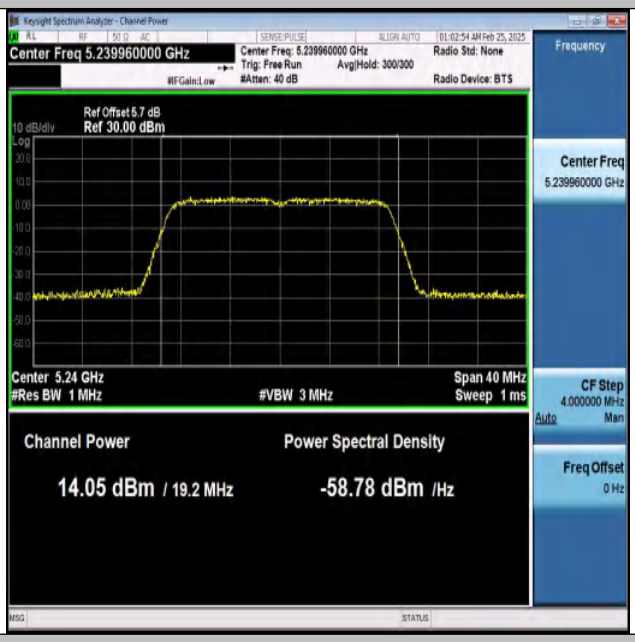

11N20MIMO-Ant1-5200-PASS



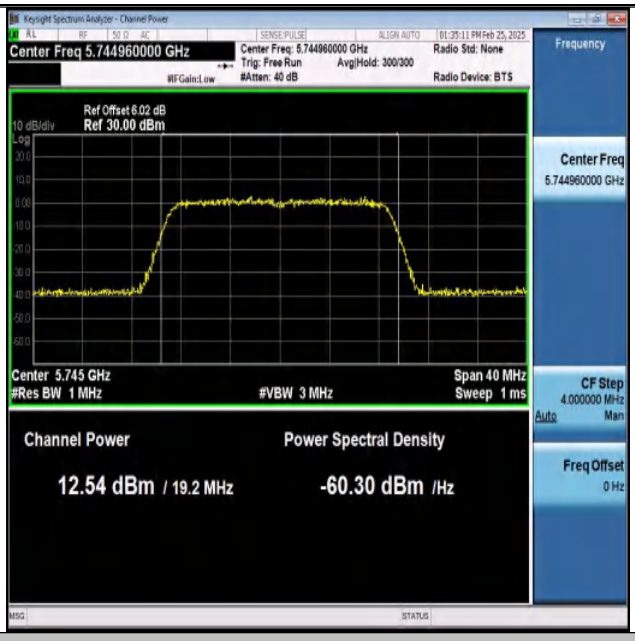

11N20MIMO-Ant2-5200-PASS



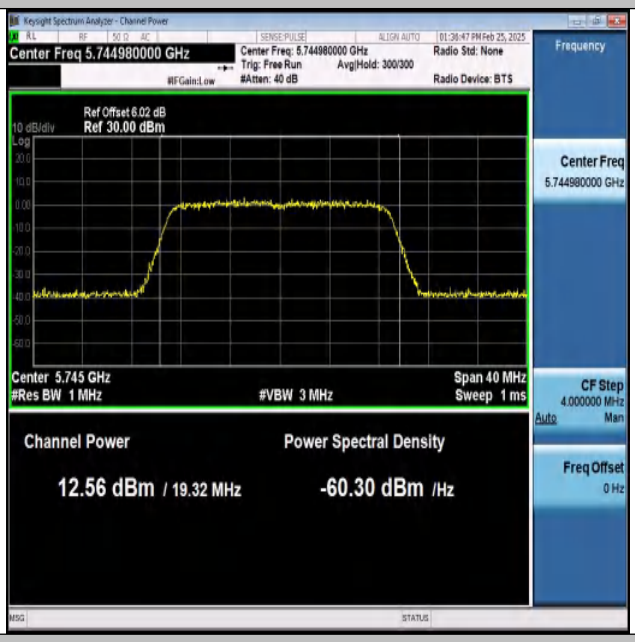

11N20MIMO-Ant1-5240-PASS



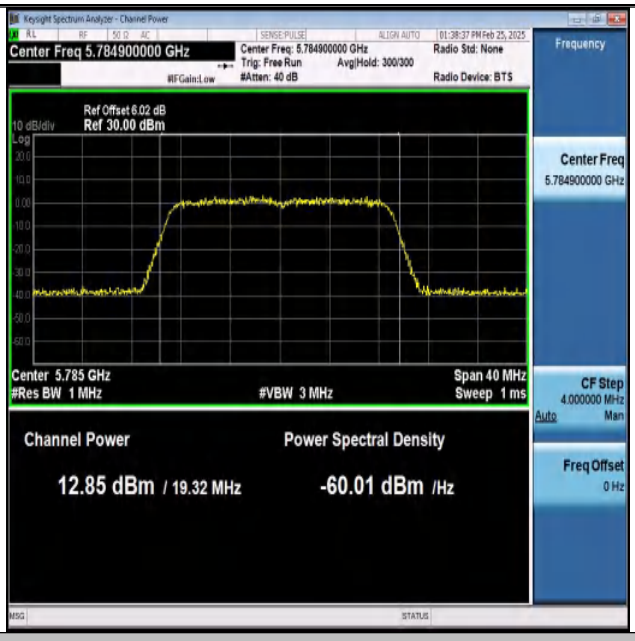

11N20MIMO-Ant2-5240-PASS



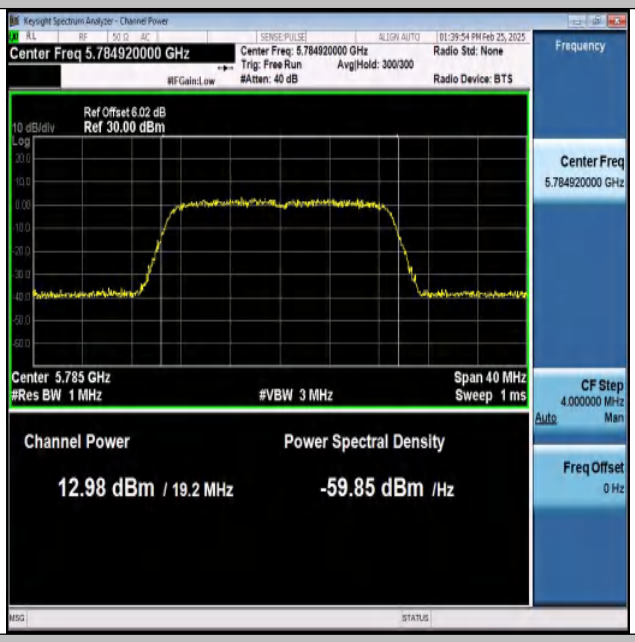

11N20MIMO-Ant1-5745-PASS



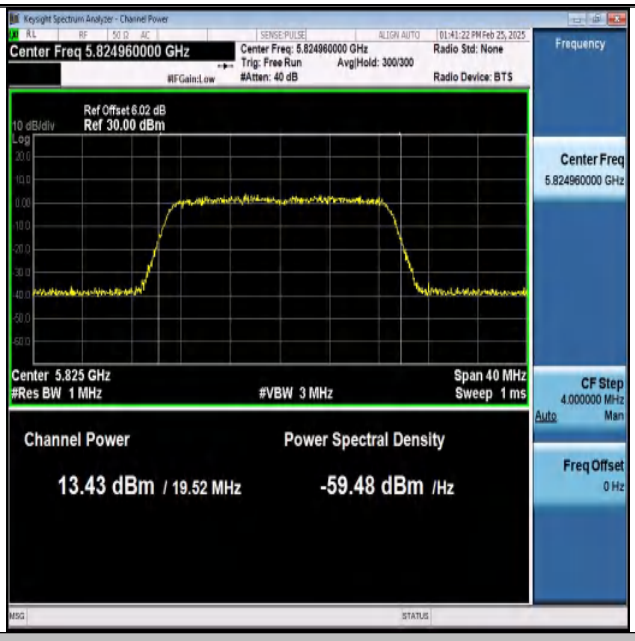

11N20MIMO-Ant2-5745-PASS



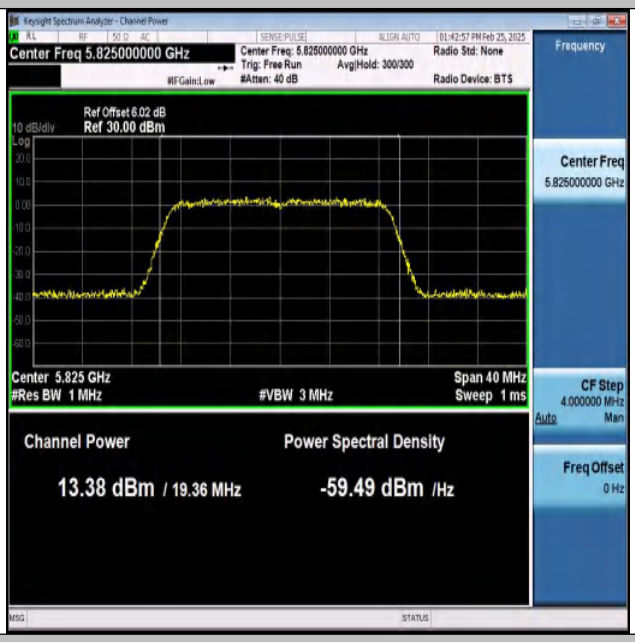

11N20MIMO-Ant1-5785-PASS



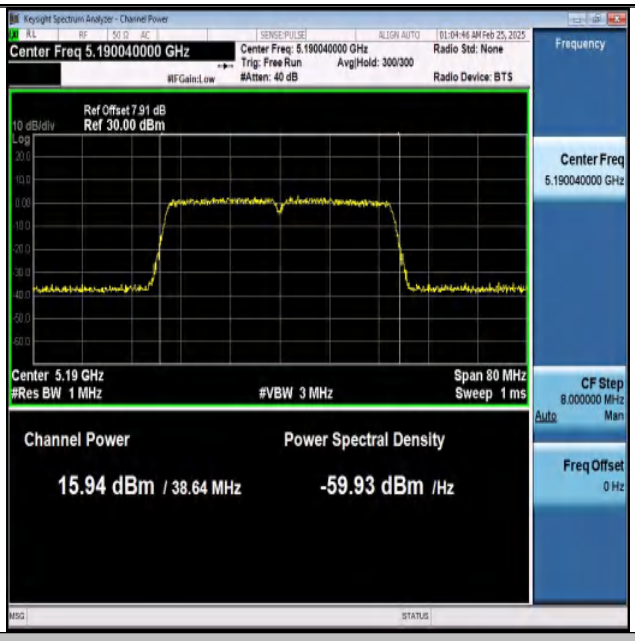

11N20MIMO-Ant2-5785-PASS



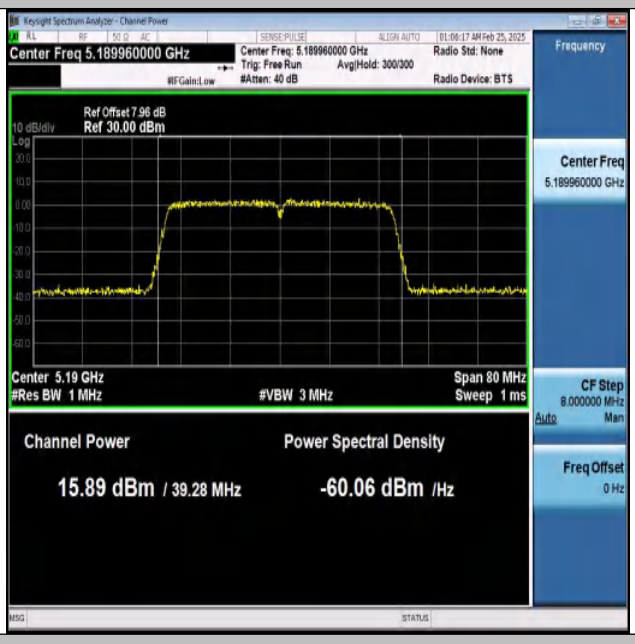

11N20MIMO-Ant1-5825-PASS



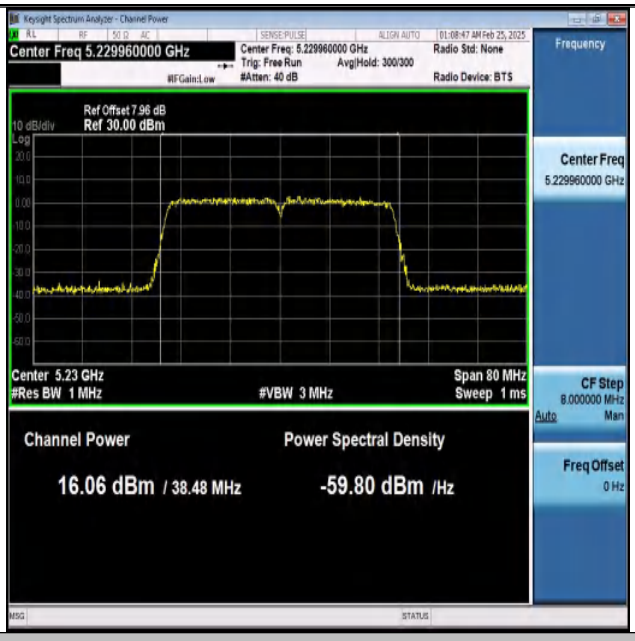

11N20MIMO-Ant2-5825-PASS



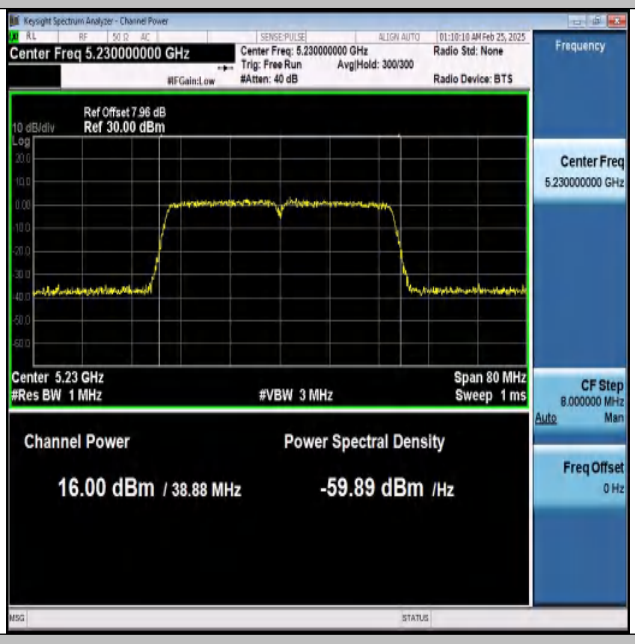

11N40MIMO-Ant1-5190-PASS



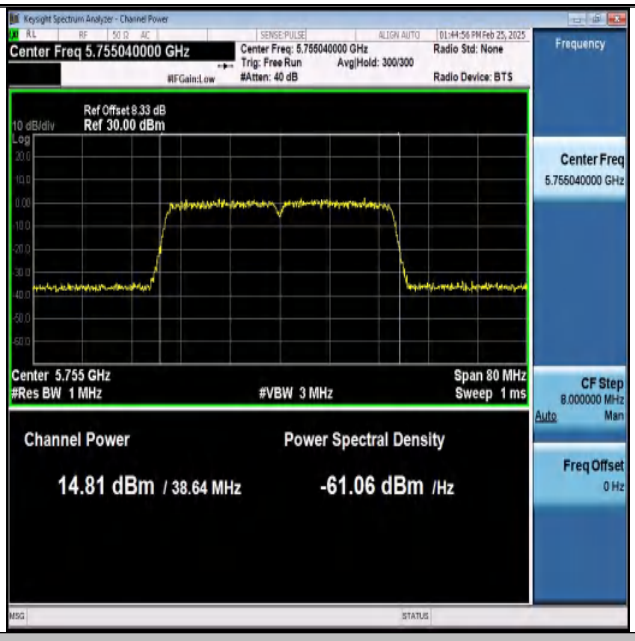

11N40MIMO-Ant2-5190-PASS



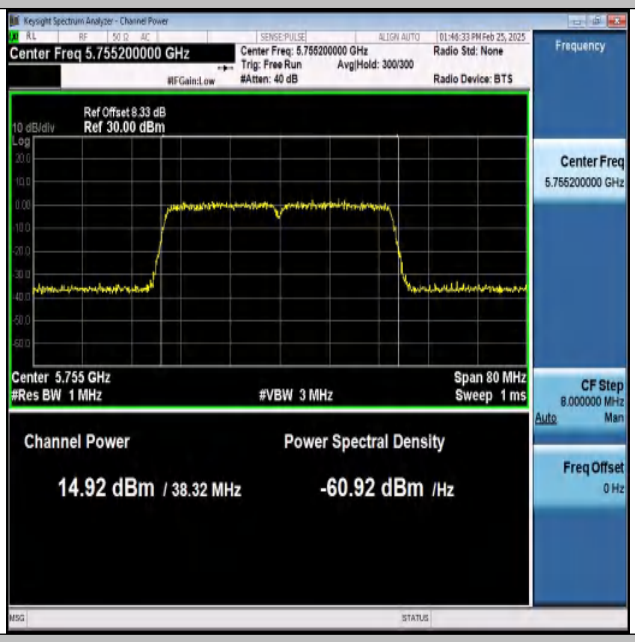

11N40MIMO-Ant1-5230-PASS



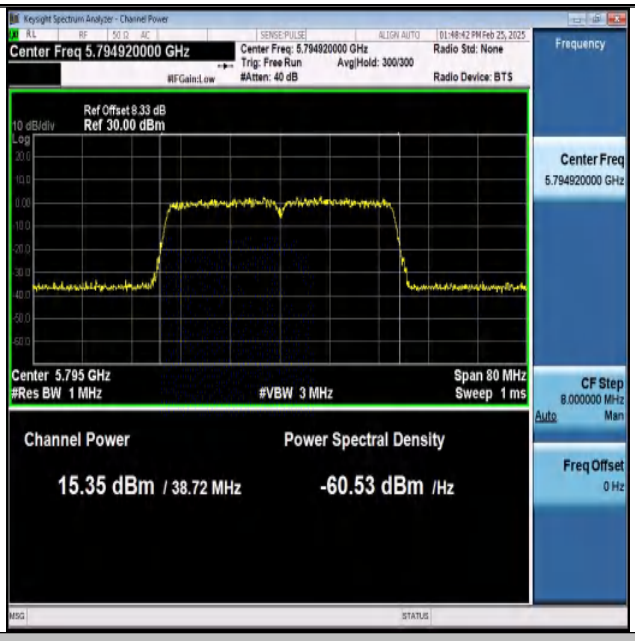

11N40MIMO-Ant2-5230-PASS



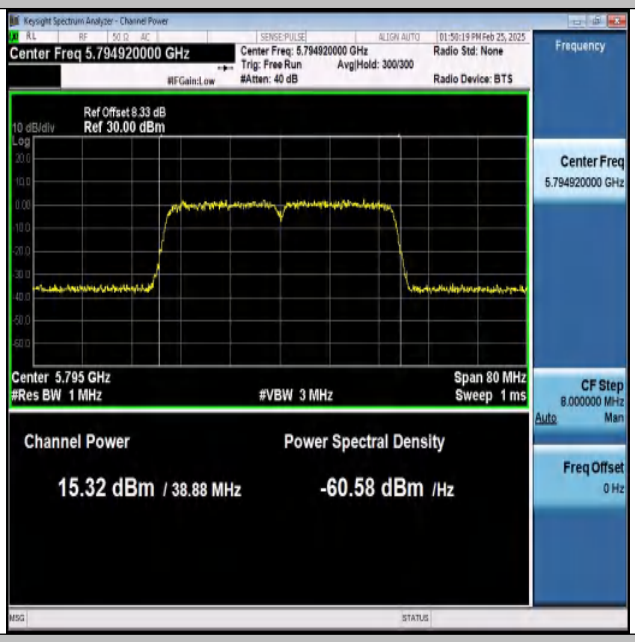

11N40MIMO-Ant1-5755-PASS



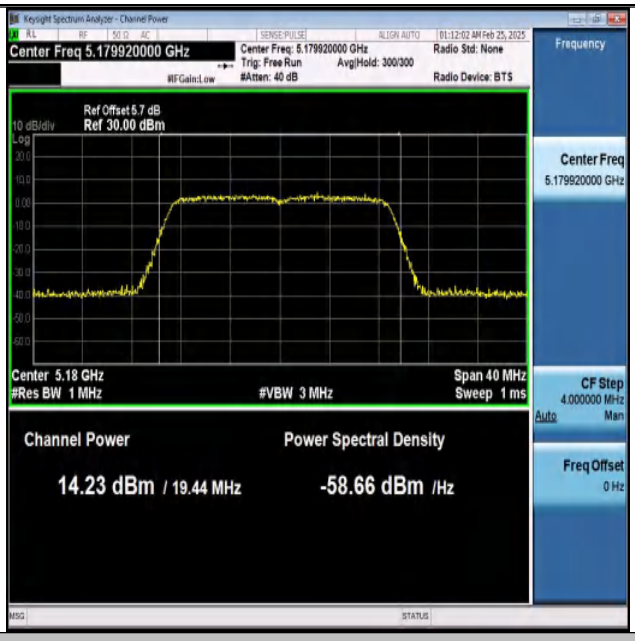

11N40MIMO-Ant2-5755-PASS



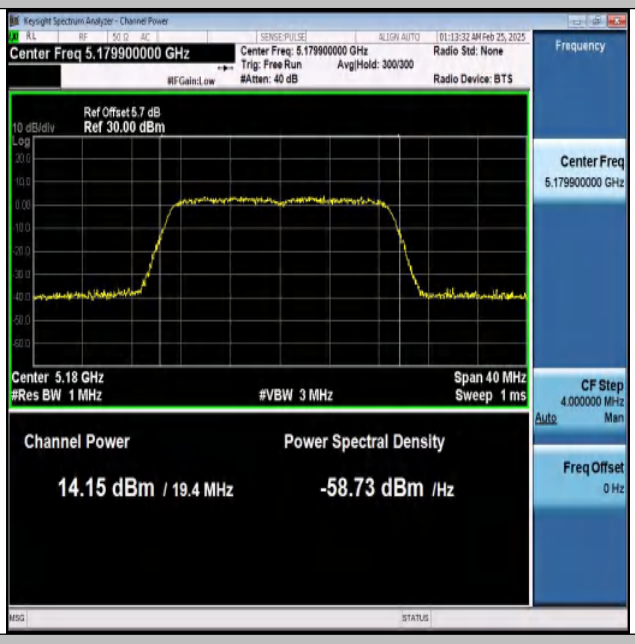

11N40MIMO-Ant1-5795-PASS



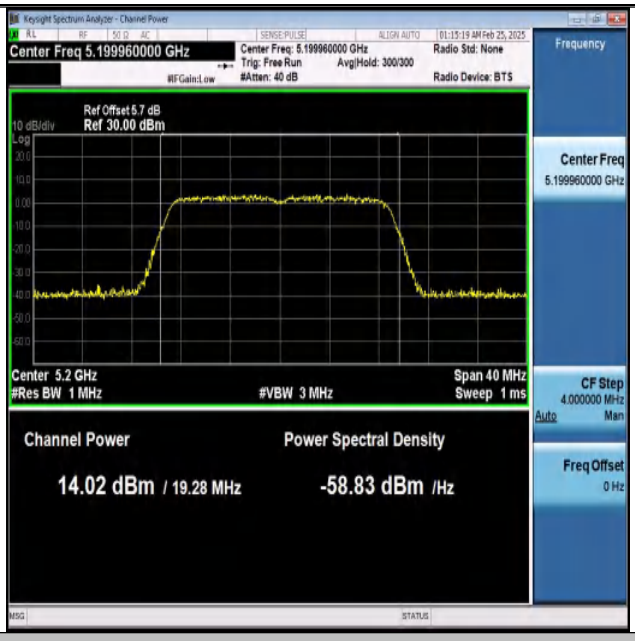

11N40MIMO-Ant2-5795-PASS



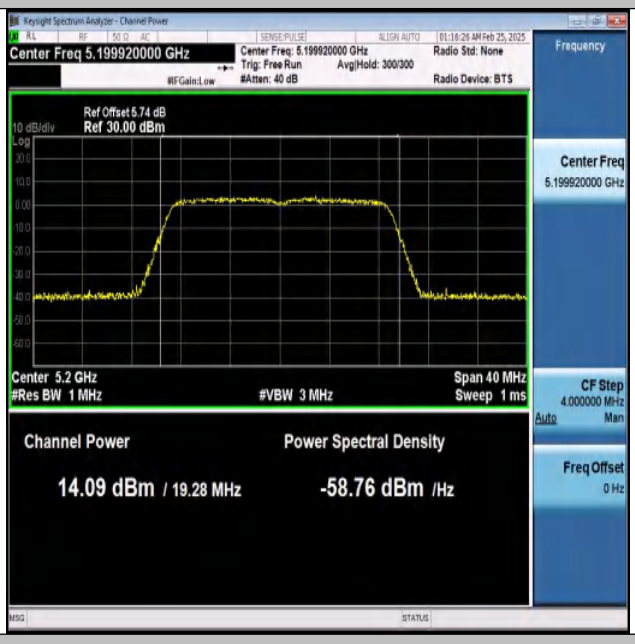

11AC20MIMO-Ant1-5180-PASS



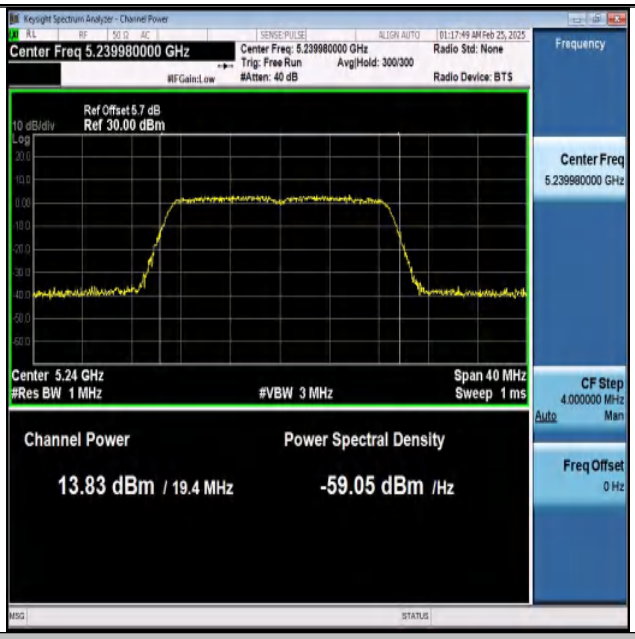

11AC20MIMO-Ant2-5180-PASS



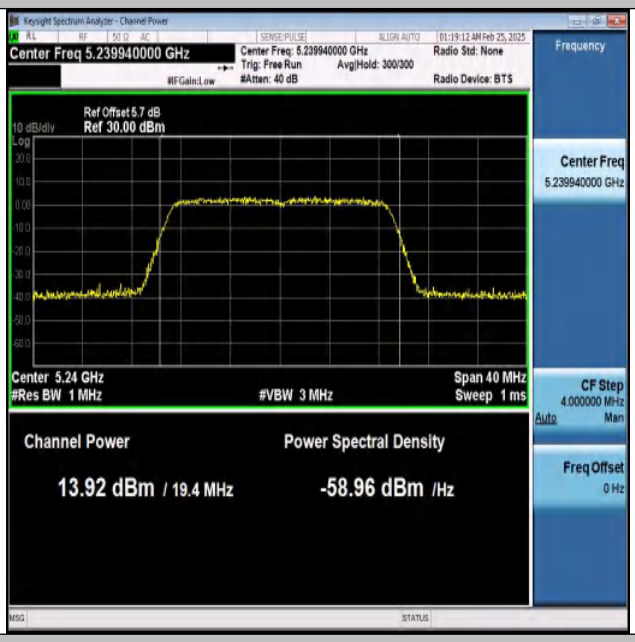

11AC20MIMO-Ant1-5200-PASS



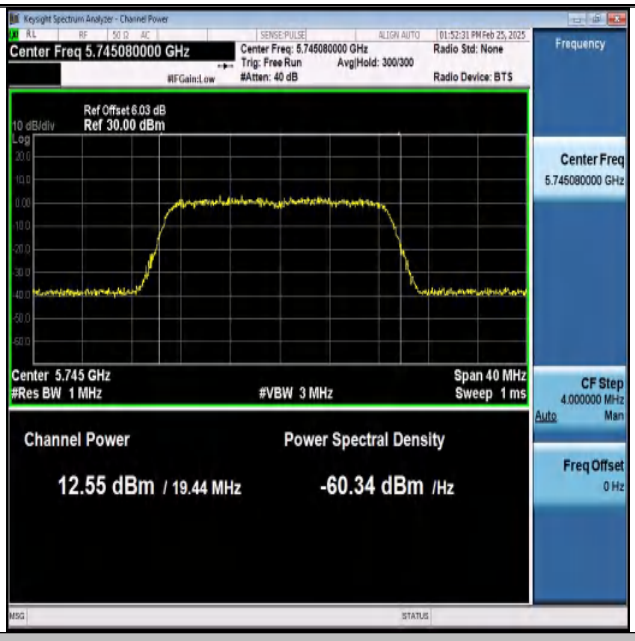

11AC20MIMO-Ant2-5200-PASS



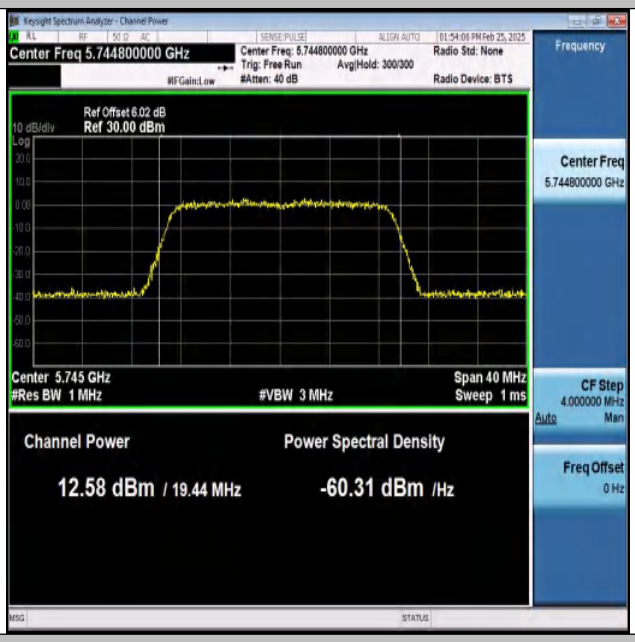

11AC20MIMO-Ant1-5240-PASS



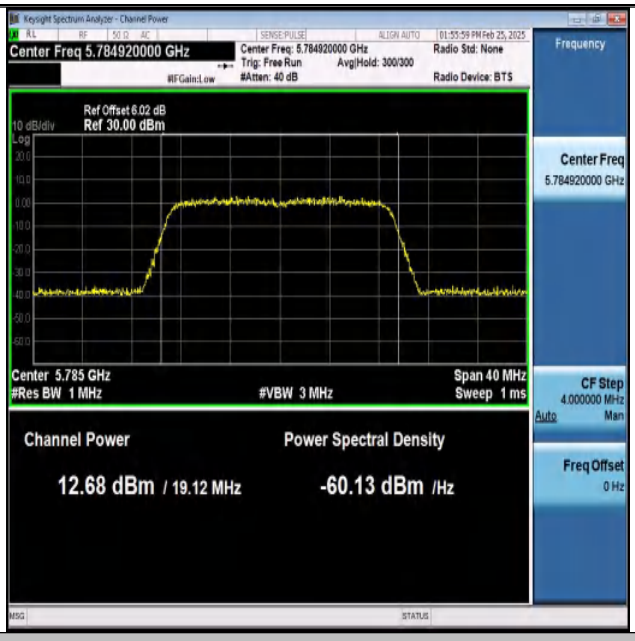

11AC20MIMO-Ant2-5240-PASS



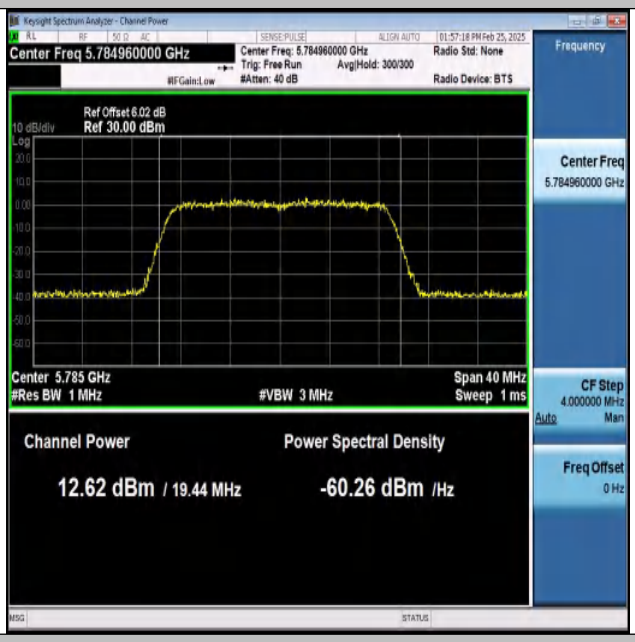

11AC20MIMO-Ant1-5745-PASS



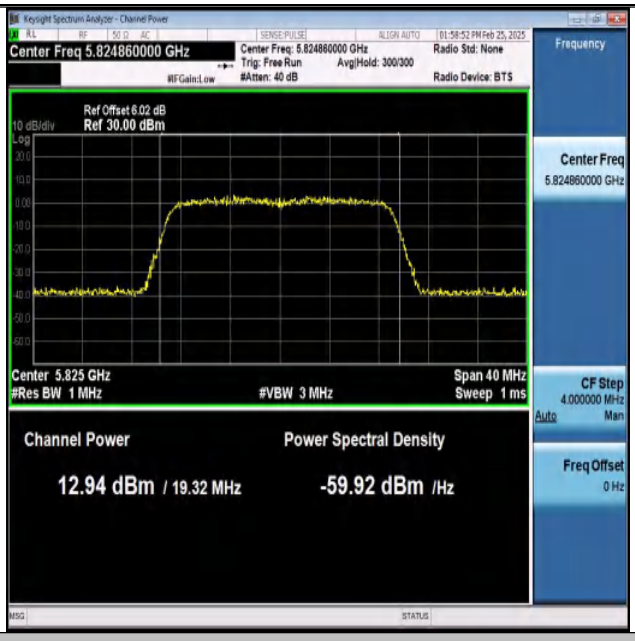

11AC20MIMO-Ant2-5745-PASS



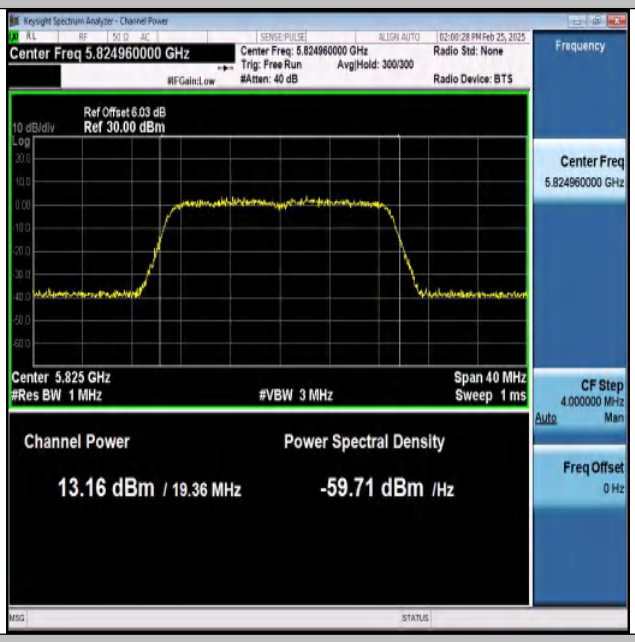

11AC20MIMO-Ant1-5785-PASS



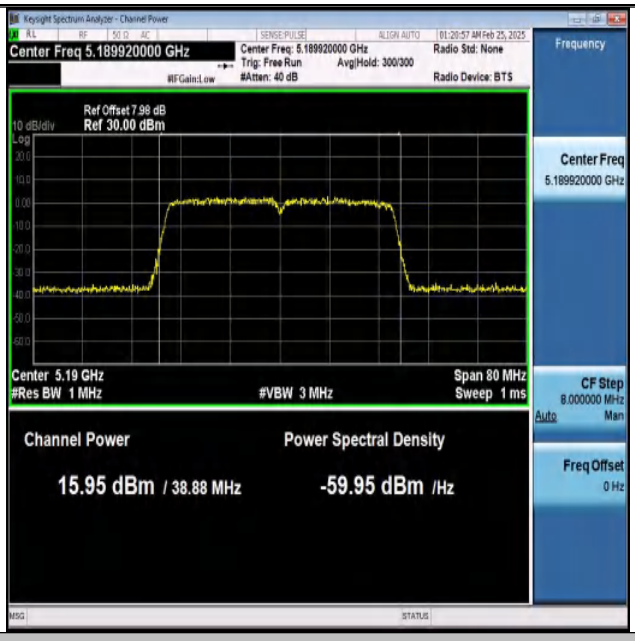

11AC20MIMO-Ant2-5785-PASS



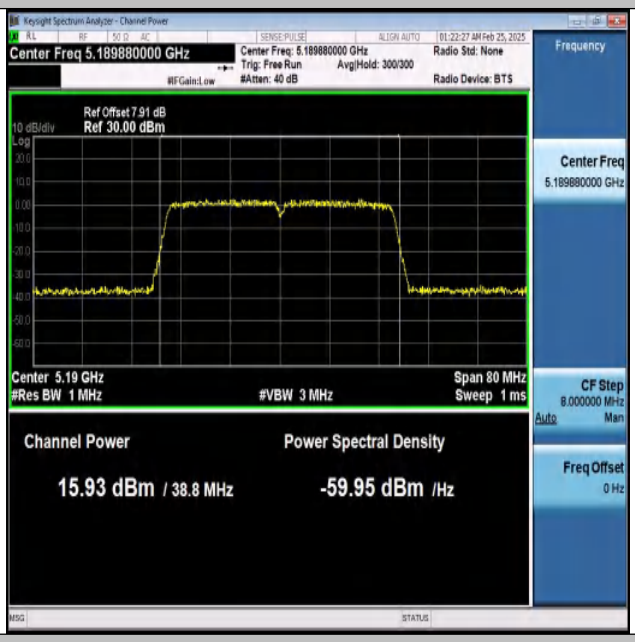

11AC20MIMO-Ant1-5825-PASS



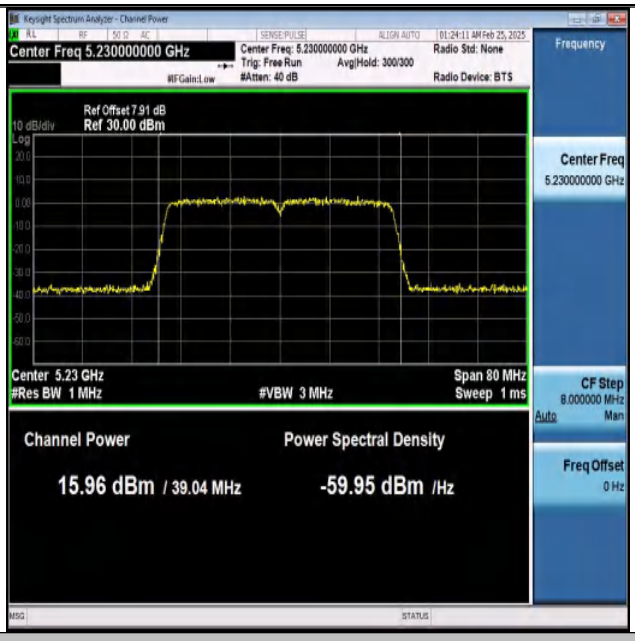

11AC20MIMO-Ant2-5825-PASS



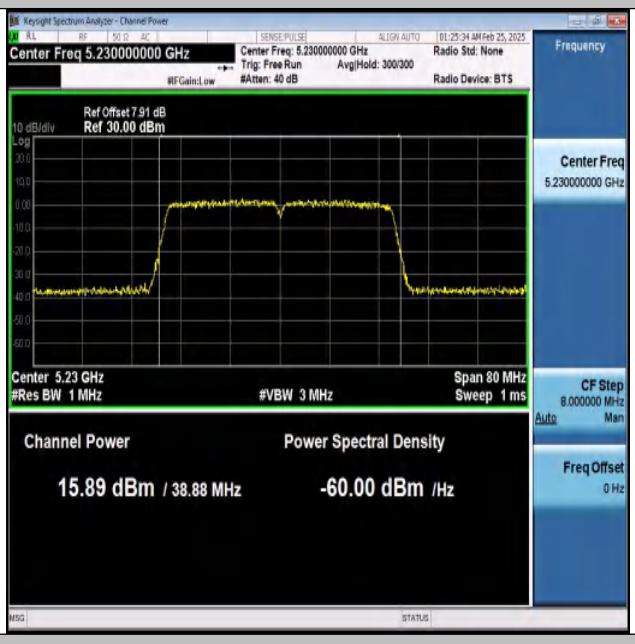

11AC40MIMO-Ant1-5190-PASS



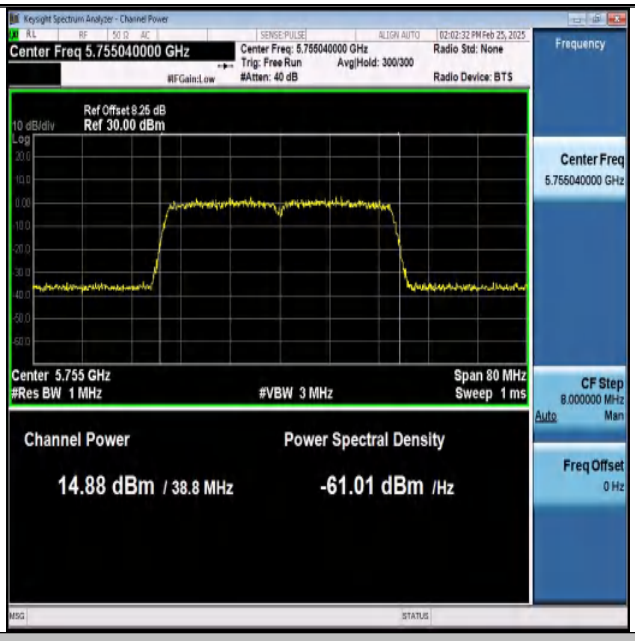

11AC40MIMO-Ant2-5190-PASS



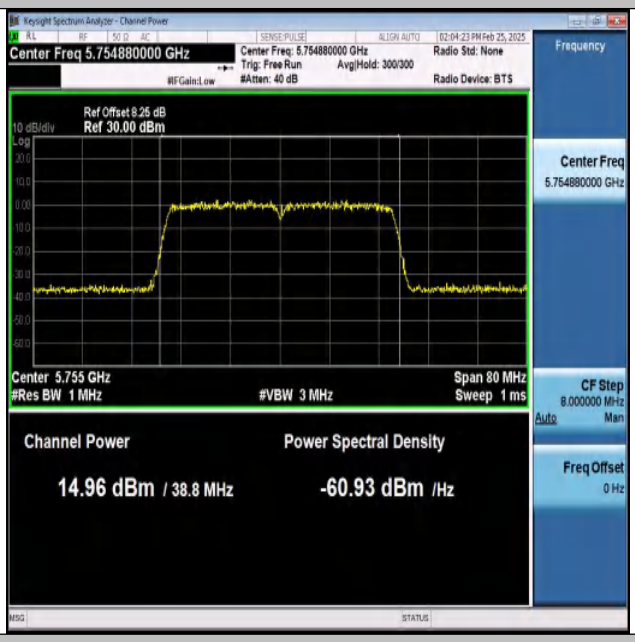

11AC40MIMO-Ant1-5230-PASS



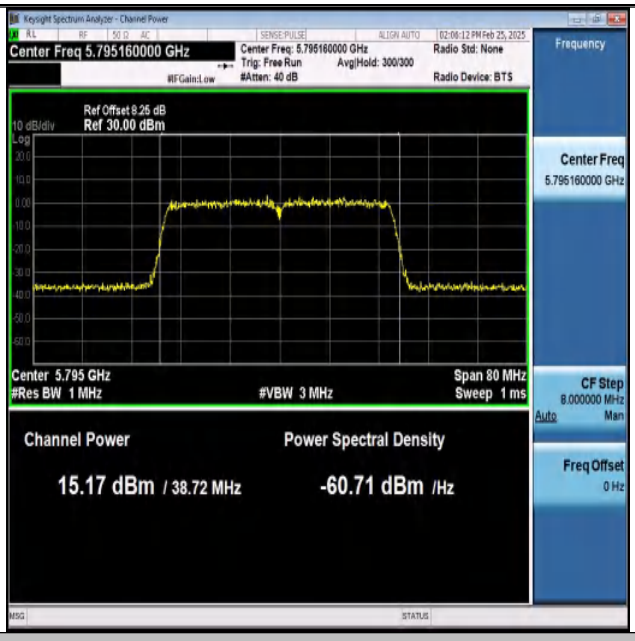

11AC40MIMO-Ant2-5230-PASS



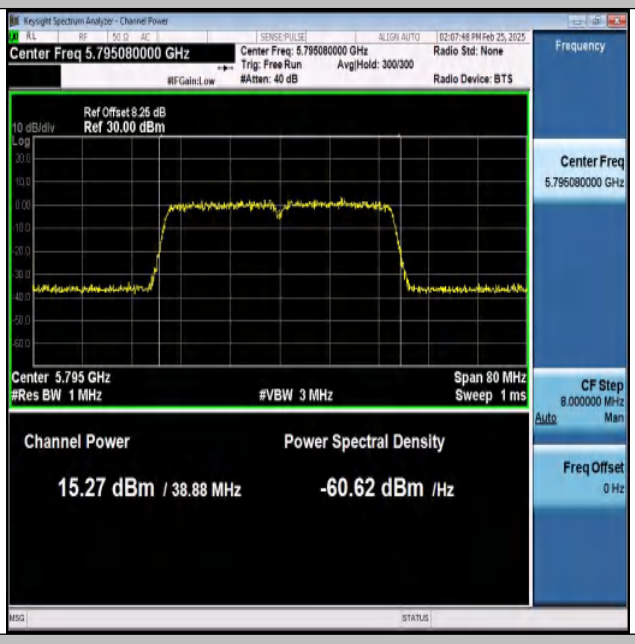

11AC40MIMO-Ant1-5755-PASS



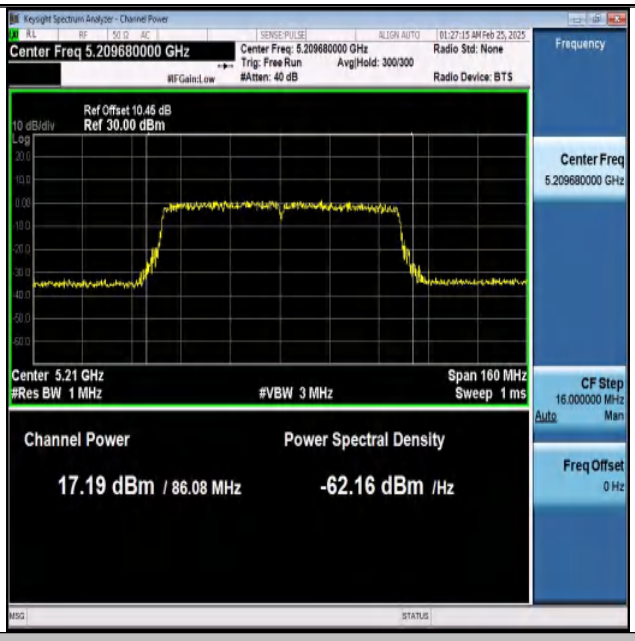

11AC40MIMO-Ant2-5755-PASS



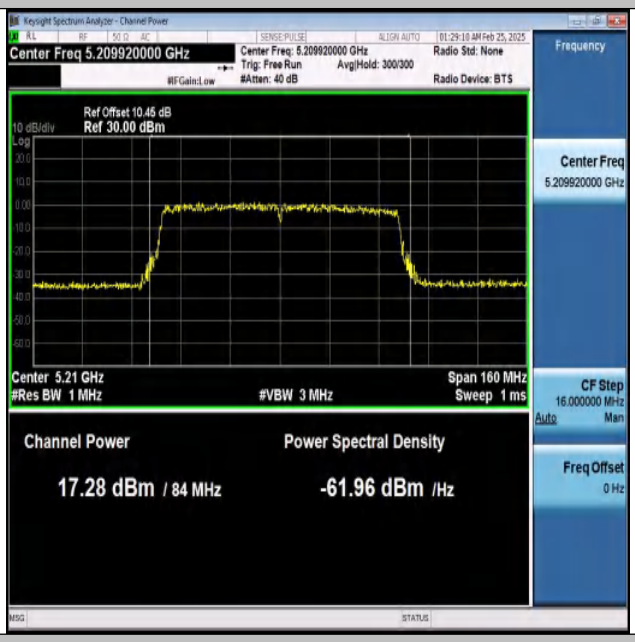

11AC40MIMO-Ant1-5795-PASS



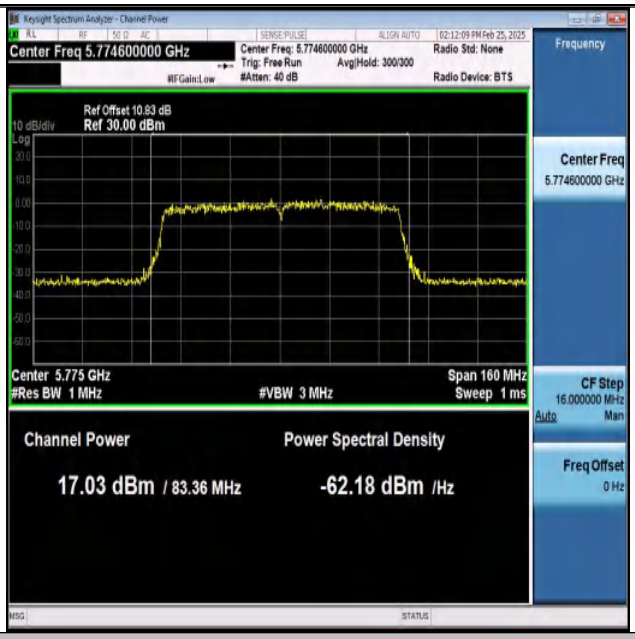

11AC40MIMO-Ant2-5795-PASS



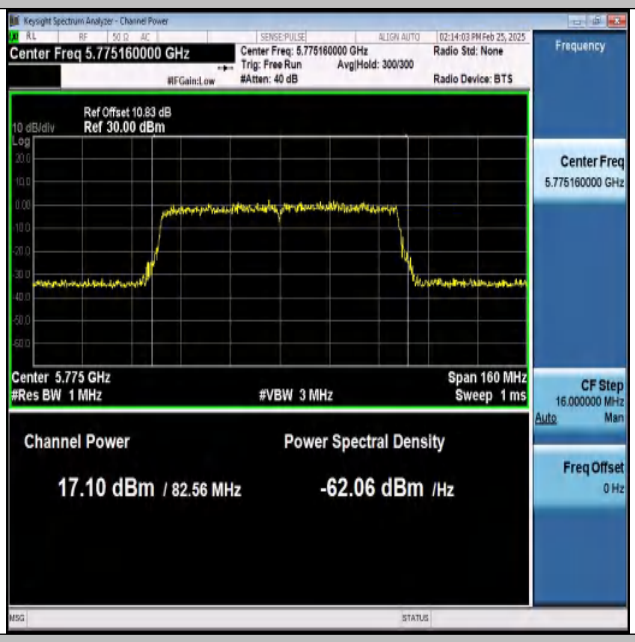

11AC80MIMO-Ant1-5210-PASS



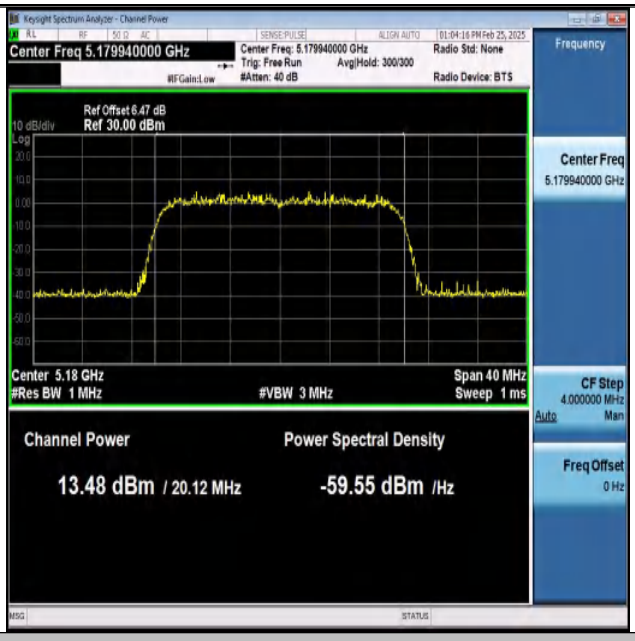

11AC80MIMO-Ant2-5210-PASS



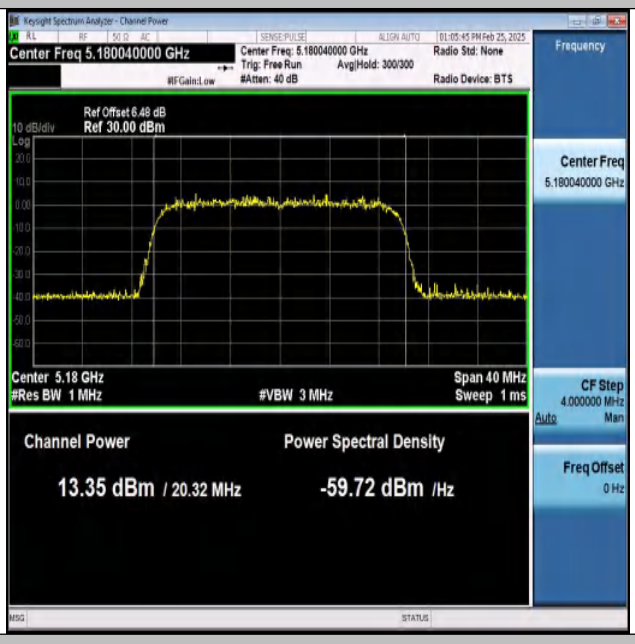

11AC80MIMO-Ant1-5775-PASS



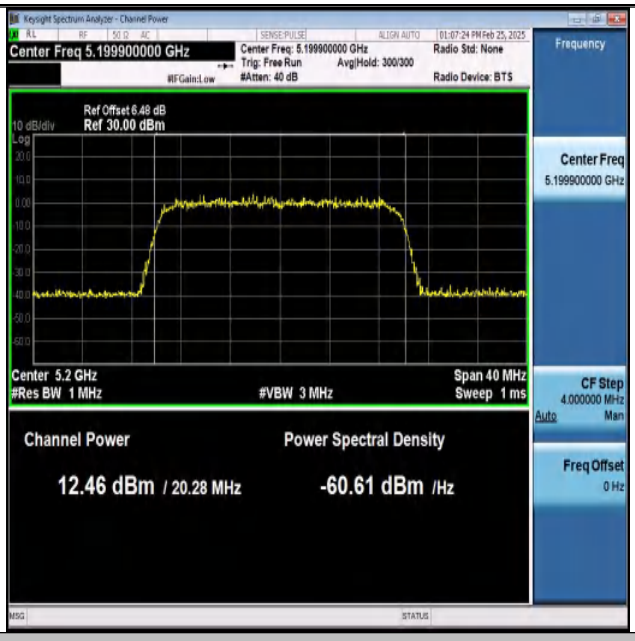

11AC80MIMO-Ant2-5775-PASS



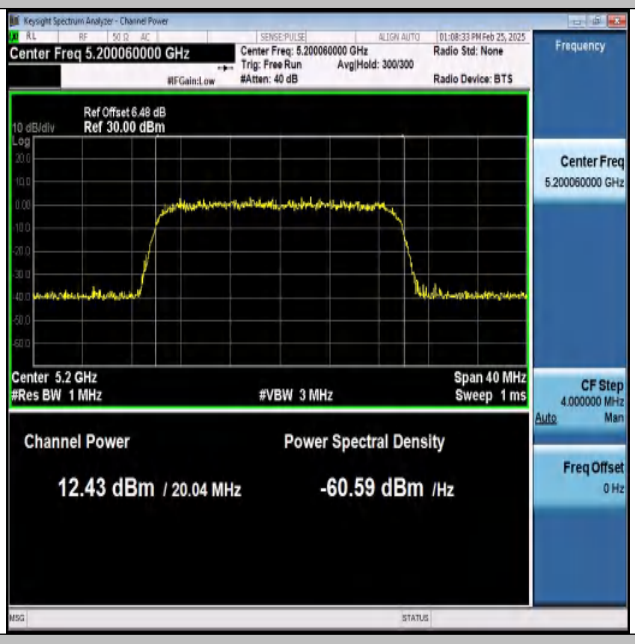

11AX20MIMO-Ant1-5180-PASS



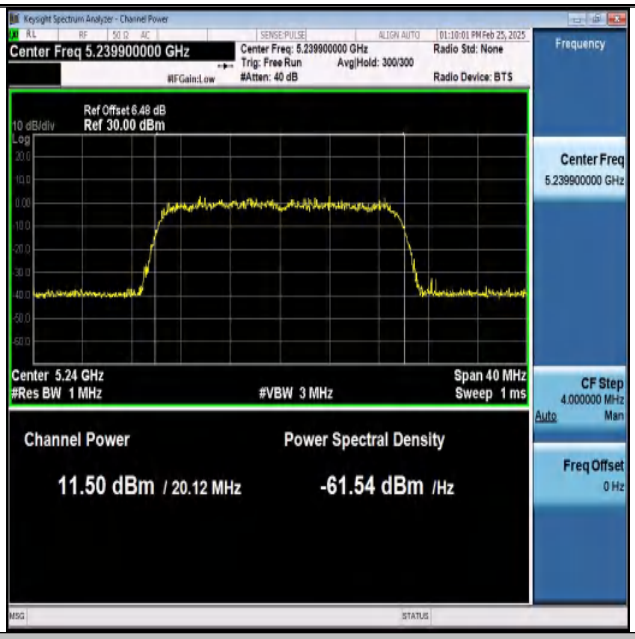

11AX20MIMO-Ant2-5180-PASS



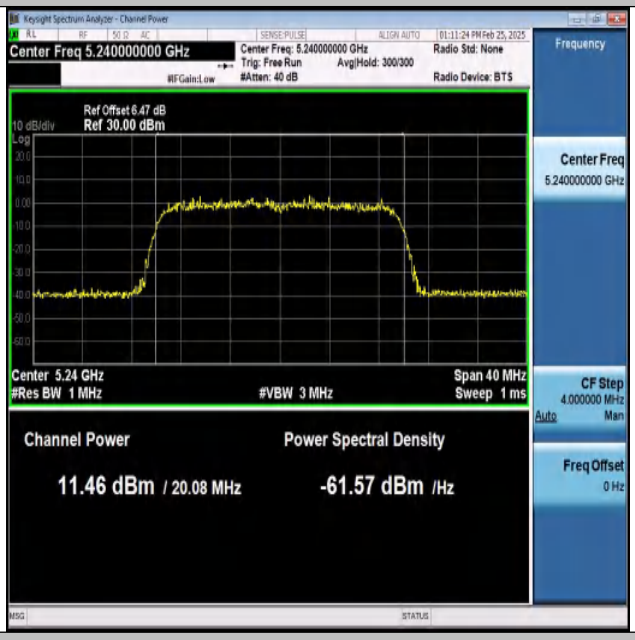

11AX20MIMO-Ant1-5200-PASS



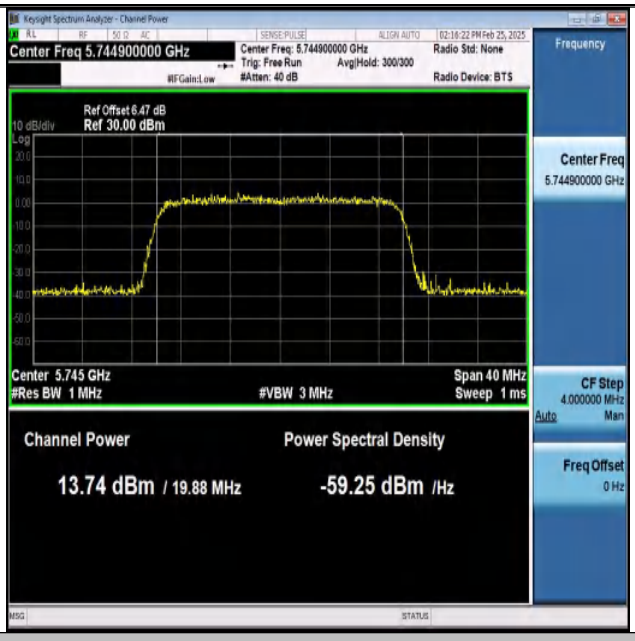

11AX20MIMO-Ant2-5200-PASS



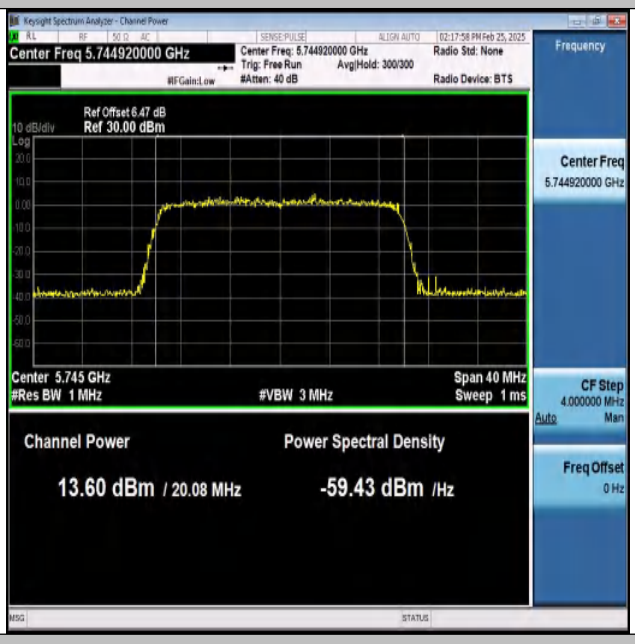

11AX20MIMO-Ant1-5240-PASS



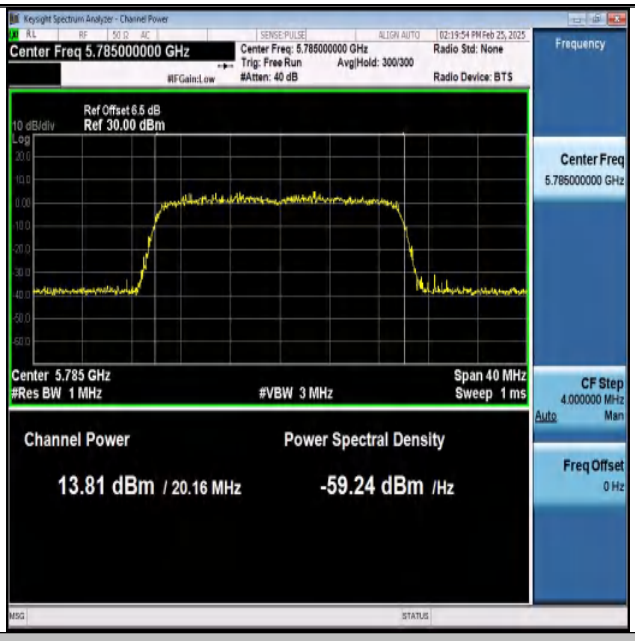

11AX20MIMO-Ant2-5240-PASS



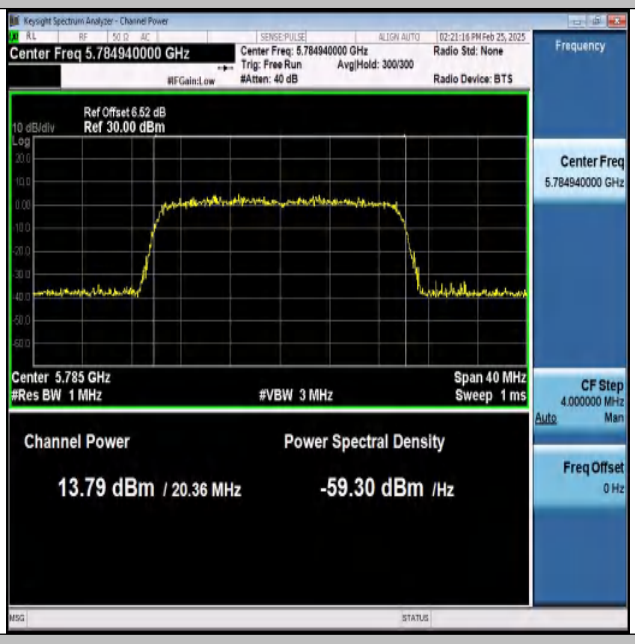

11AX20MIMO-Ant1-5745-PASS



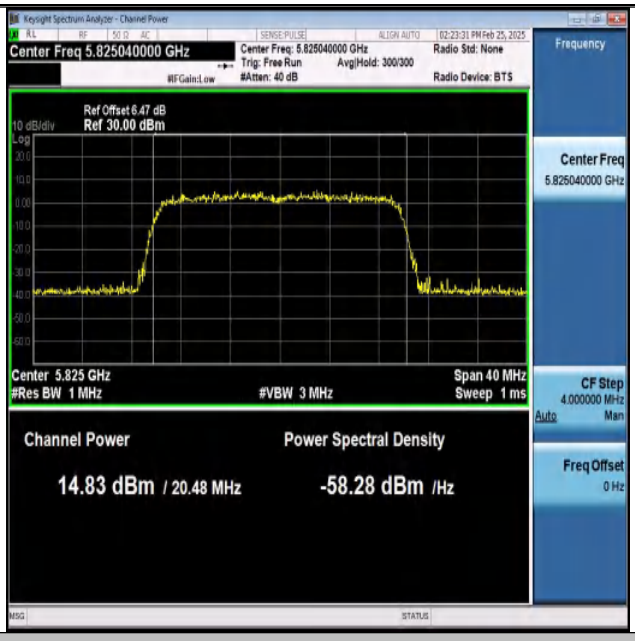

11AX20MIMO-Ant2-5745-PASS



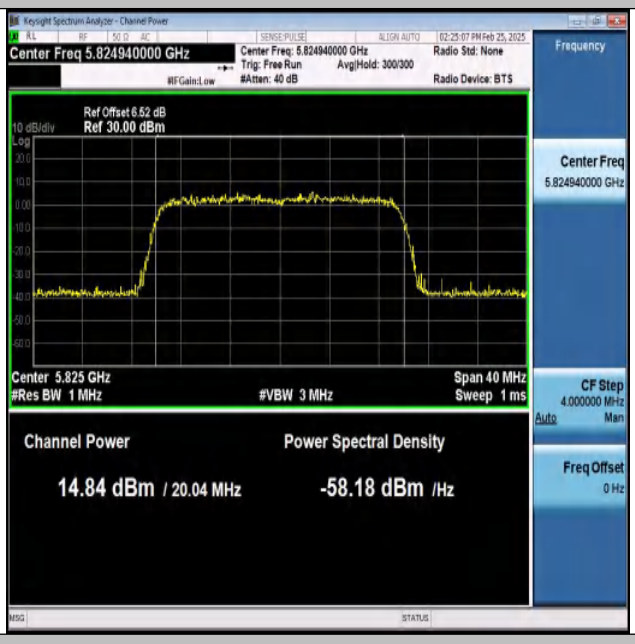

11AX20MIMO-Ant1-5785-PASS



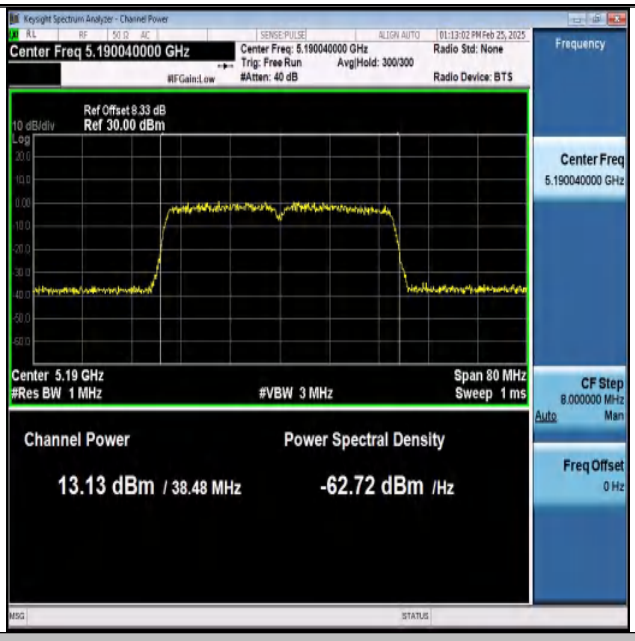

11AX20MIMO-Ant2-5785-PASS



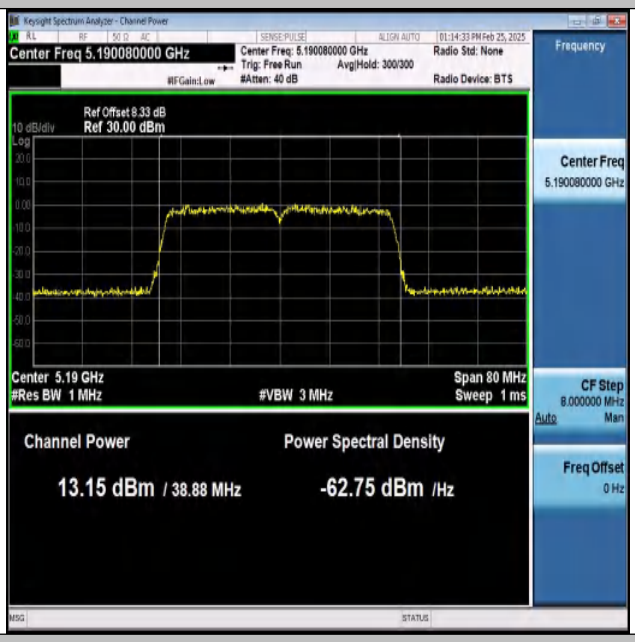

11AX20MIMO-Ant1-5825-PASS



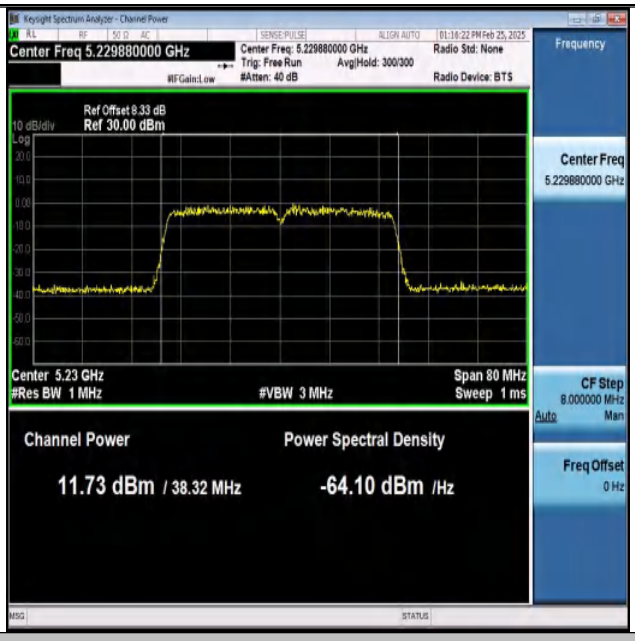

11AX20MIMO-Ant2-5825-PASS



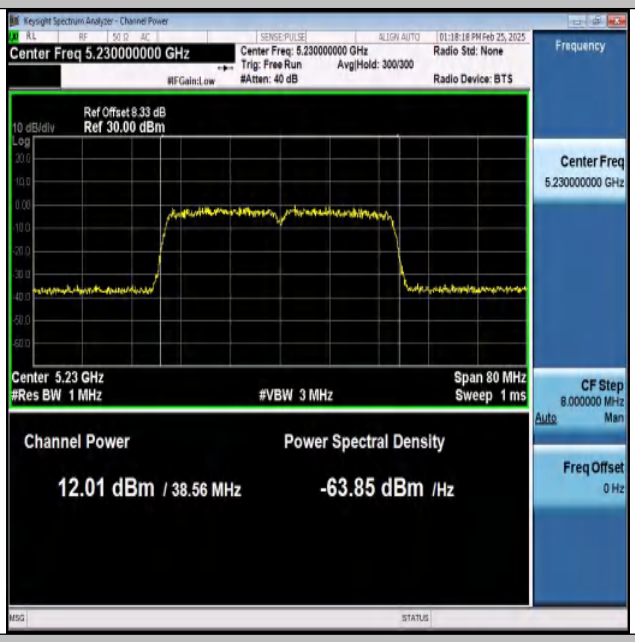

11AX40MIMO-Ant1-5190-PASS



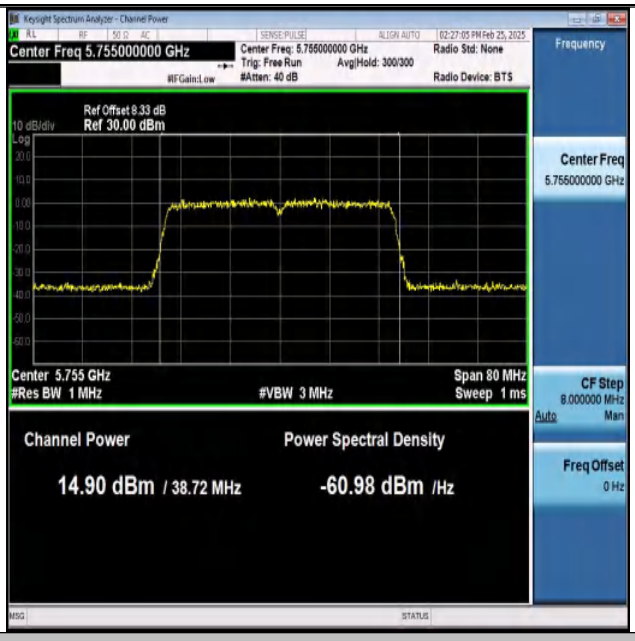

11AX40MIMO-Ant2-5190-PASS



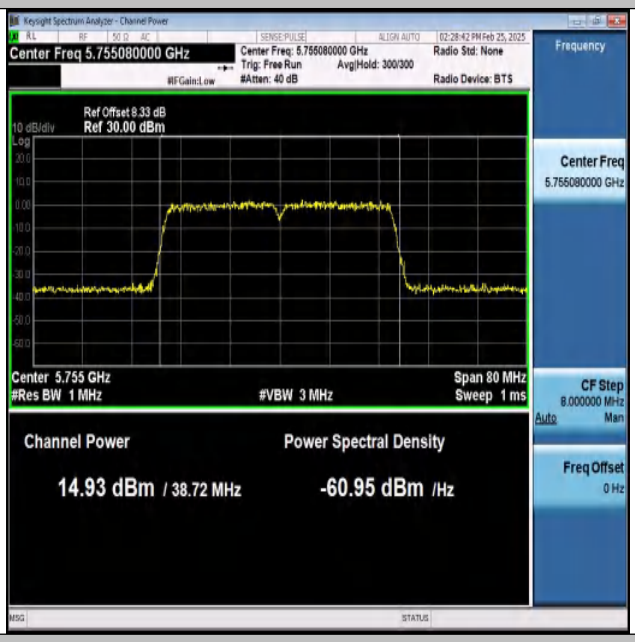

11AX40MIMO-Ant1-5230-PASS



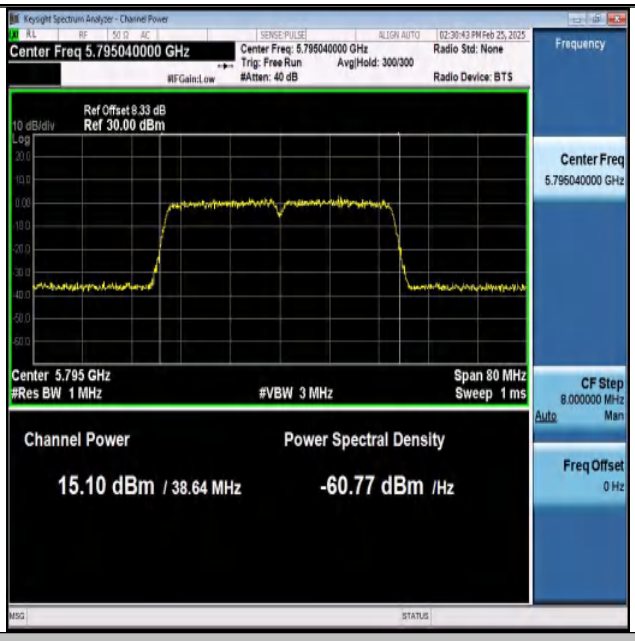

11AX40MIMO-Ant2-5230-PASS



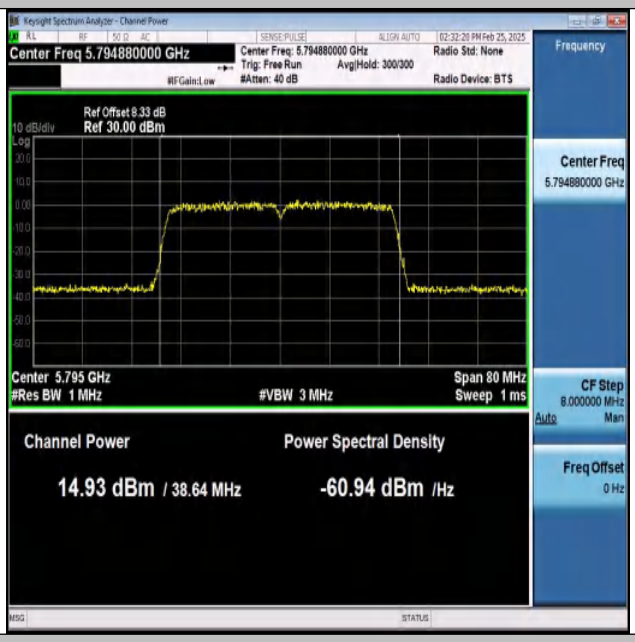

11AX40MIMO-Ant1-5755-PASS



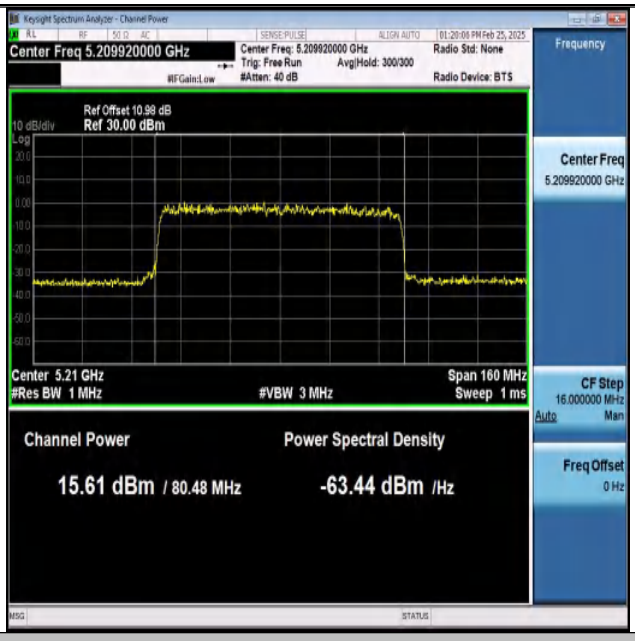

11AX40MIMO-Ant2-5755-PASS



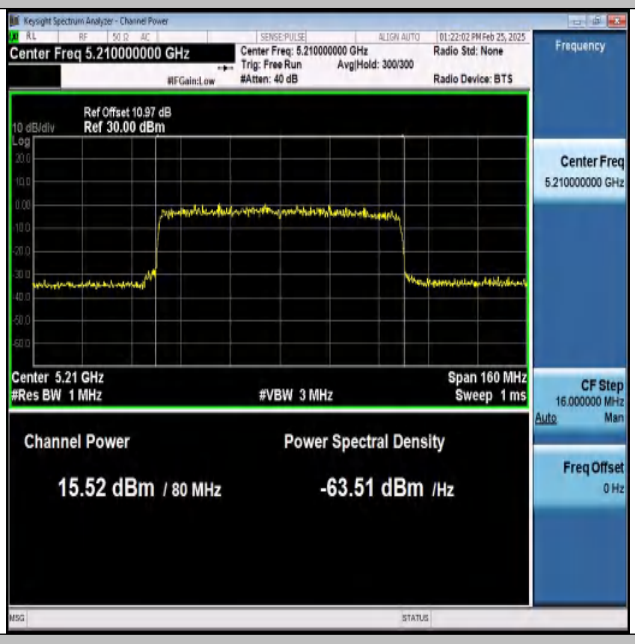

11AX40MIMO-Ant1-5795-PASS



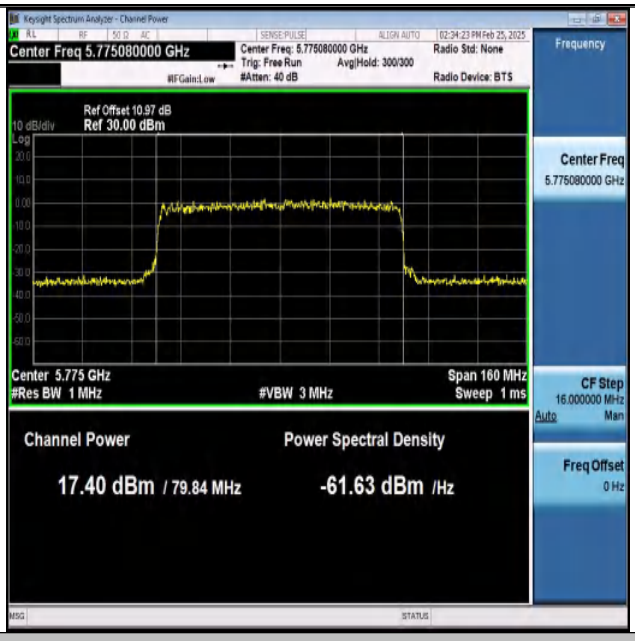

11AX40MIMO-Ant2-5795-PASS



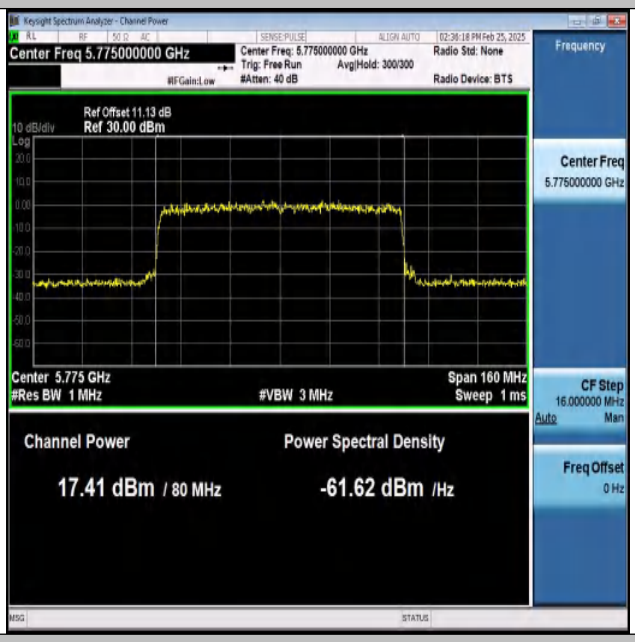

11AX80MIMO-Ant1-5210-PASS




11AX80MIMO-Ant2-5210-PASS




11AX80MIMO-Ant1-5775-PASS




11AX80MIMO-Ant2-5775-PASS

# Appendix D: Maximum Power Spectral Density

## Test Result B1

| Test Mode | Antenna | Frequency[MHz] | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|---|---|---|---|---|---|
| 11A | Ant1 | 5180 | -5.96 | ≤11.00 | PASS |
| 11A | Ant2 | 5180 | -5.45 | ≤11.00 | PASS |
| 11A | Ant1 | 5200 | -5.73 | ≤11.00 | PASS |
| 11A | Ant2 | 5200 | -5.29 | ≤11.00 | PASS |
| 11A | Ant1 | 5240 | -5.52 | ≤11.00 | PASS |
| 11A | Ant2 | 5240 | -5.77 | ≤11.00 | PASS |
| 11N20MIMO | Ant1 | 5180 | -5.69 | ≤11.00 | PASS |
| 11N20MIMO | Ant2 | 5180 | -5.01 | ≤11.00 | PASS |
| 11N20MIMO | total | 5180 | -2.33 | ≤9.12 | PASS |
| 11N20MIMO | Ant1 | 5200 | -6.22 | ≤11.00 | PASS |
| 11N20MIMO | Ant2 | 5200 | -5.92 | ≤11.00 | PASS |
| 11N20MIMO | total | 5200 | -3.06 | ≤9.12 | PASS |
| 11N20MIMO | Ant1 | 5240 | -5.99 | ≤11.00 | PASS |
| 11N20MIMO | Ant2 | 5240 | -6.47 | ≤11.00 | PASS |
| 11N20MIMO | total | 5240 | -3.21 | ≤9.12 | PASS |
| 11N40MIMO | Ant1 | 5190 | -8.64 | ≤11.00 | PASS |
| 11N40MIMO | Ant2 | 5190 | -9.01 | ≤11.00 | PASS |
| 11N40MIMO | total | 5190 | -5.81 | ≤9.12 | PASS |
| 11N40MIMO | Ant1 | 5230 | -9.10 | ≤11.00 | PASS |
| 11N40MIMO | Ant2 | 5230 | -8.38 | ≤11.00 | PASS |
| 11N40MIMO | total | 5230 | -5.71 | ≤9.12 | PASS |
| 11AC20MIMO | Ant1 | 5180 | -5.61 | ≤11.00 | PASS |
| 11AC20MIMO | Ant2 | 5180 | -5.37 | ≤11.00 | PASS |
| 11AC20MIMO | total | 5180 | -2.48 | ≤9.12 | PASS |
| 11AC20MIMO | Ant1 | 5200 | -6.60 | ≤11.00 | PASS |
| 11AC20MIMO | Ant2 | 5200 | -5.78 | ≤11.00 | PASS |
| 11AC20MIMO | total | 5200 | -3.16 | ≤9.12 | PASS |
| 11AC20MIMO | Ant1 | 5240 | -5.89 | ≤11.00 | PASS |
| 11AC20MIMO | Ant2 | 5240 | -5.66 | ≤11.00 | PASS |
| 11AC20MIMO | total | 5240 | -2.76 | ≤9.12 | PASS |
| 11AC40MIMO | Ant1 | 5190 | -8.71 | ≤11.00 | PASS |
| 11AC40MIMO | Ant2 | 5190 | -9.26 | ≤11.00 | PASS |
| 11AC40MIMO | total | 5190 | -5.97 | ≤9.12 | PASS |
| 11AC40MIMO | Ant1 | 5230 | -9.05 | ≤11.00 | PASS |
| 11AC40MIMO | Ant2 | 5230 | -9.58 | ≤11.00 | PASS |
| 11AC40MIMO | total | 5230 | -6.30 | ≤9.12 | PASS |
| 11AC80MIMO | Ant1 | 5210 | -12.74 | ≤11.00 | PASS |

| | | | | | |
|---|---|---|---|---|---|
| 11AC80MIMO | Ant2 | 5210 | -11.26 | ≤11.00 | PASS |
| 11AC80MIMO | total | 5210 | -8.93 | ≤9.12 | PASS |
| 11AX20MIMO | Ant1 | 5180 | -8.60 | ≤11.00 | PASS |
| 11AX20MIMO | Ant2 | 5180 | -8.48 | ≤11.00 | PASS |
| 11AX20MIMO | total | 5180 | -5.53 | ≤9.12 | PASS |
| 11AX20MIMO | Ant1 | 5200 | -12.16 | ≤11.00 | PASS |
| 11AX20MIMO | Ant2 | 5200 | -8.99 | ≤11.00 | PASS |
| 11AX20MIMO | total | 5200 | -7.28 | ≤9.12 | PASS |
| 11AX20MIMO | Ant1 | 5240 | -11.74 | ≤11.00 | PASS |
| 11AX20MIMO | Ant2 | 5240 | -10.57 | ≤11.00 | PASS |
| 11AX20MIMO | total | 5240 | -8.11 | ≤9.12 | PASS |
| 11AX40MIMO | Ant1 | 5190 | -12.00 | ≤11.00 | PASS |
| 11AX40MIMO | Ant2 | 5190 | -10.90 | ≤11.00 | PASS |
| 11AX40MIMO | total | 5190 | -8.40 | ≤9.12 | PASS |
| 11AX40MIMO | Ant1 | 5230 | -14.04 | ≤11.00 | PASS |
| 11AX40MIMO | Ant2 | 5230 | -13.82 | ≤11.00 | PASS |
| 11AX40MIMO | total | 5230 | -10.92 | ≤9.12 | PASS |
| 11AX80MIMO | Ant1 | 5210 | -14.26 | ≤11.00 | PASS |
| 11AX80MIMO | Ant2 | 5210 | -15.09 | ≤11.00 | PASS |
| 11AX80MIMO | total | 5210 | -11.64 | ≤9.12 | PASS |

Note:

1.The Duty Cycle Factor and cable loss are compensated in the graph.

2.Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}$] dBi=7.88>6dBi,

so Final limit=limit-(Directional gain-6.00)dBm;

3. MIMO= 10*LOG((10^Ant2/10)+10^(ANT2/10))

## Test Result B4

| Test Mode | Antenna | Frequency[MHz] | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|---|---|---|---|---|---|
| 11A | Ant1 | 5745 | -10.06 | ≤30.00 | PASS |
| 11A | Ant2 | 5745 | -10.31 | ≤30.00 | PASS |
| 11A | Ant1 | 5785 | -10.17 | ≤30.00 | PASS |
| 11A | Ant2 | 5785 | -10.89 | ≤30.00 | PASS |
| 11A | Ant1 | 5825 | -9.21 | ≤30.00 | PASS |
| 11A | Ant2 | 5825 | -9.91 | ≤30.00 | PASS |
| 11N20MIMO | Ant1 | 5745 | -10.73 | ≤30.00 | PASS |
| 11N20MIMO | Ant2 | 5745 | -11.12 | ≤30.00 | PASS |
| 11N20MIMO | total | 5745 | -7.91 | ≤27.98 | PASS |
| 11N20MIMO | Ant1 | 5785 | -10.55 | ≤30.00 | PASS |
| 11N20MIMO | Ant2 | 5785 | -9.58 | ≤30.00 | PASS |
| 11N20MIMO | total | 5785 | -7.03 | ≤27.98 | PASS |
| 11N20MIMO | Ant1 | 5825 | -9.79 | ≤30.00 | PASS |
| 11N20MIMO | Ant2 | 5825 | -10.26 | ≤30.00 | PASS |
| 11N20MIMO | total | 5825 | -7.01 | ≤27.98 | PASS |
| 11N40MIMO | Ant1 | 5755 | -14.46 | ≤30.00 | PASS |
| 11N40MIMO | Ant2 | 5755 | -13.90 | ≤30.00 | PASS |
| 11N40MIMO | total | 5755 | -11.16 | ≤27.98 | PASS |
| 11N40MIMO | Ant1 | 5795 | -11.65 | ≤30.00 | PASS |
| 11N40MIMO | Ant2 | 5795 | -12.75 | ≤30.00 | PASS |
| 11N40MIMO | total | 5795 | -9.15 | ≤27.98 | PASS |
| 11AC20MIMO | Ant1 | 5745 | -10.92 | ≤30.00 | PASS |
| 11AC20MIMO | Ant2 | 5745 | -10.59 | ≤30.00 | PASS |
| 11AC20MIMO | total | 5745 | -7.74 | ≤27.98 | PASS |
| 11AC20MIMO | Ant1 | 5785 | -10.81 | ≤30.00 | PASS |
| 11AC20MIMO | Ant2 | 5785 | -10.67 | ≤30.00 | PASS |
| 11AC20MIMO | total | 5785 | -7.73 | ≤27.98 | PASS |
| 11AC20MIMO | Ant1 | 5825 | -10.87 | ≤30.00 | PASS |
| 11AC20MIMO | Ant2 | 5825 | -10.12 | ≤30.00 | PASS |
| 11AC20MIMO | total | 5825 | -7.47 | ≤27.98 | PASS |
| 11AC40MIMO | Ant1 | 5755 | -14.16 | ≤30.00 | PASS |
| 11AC40MIMO | Ant2 | 5755 | -13.83 | ≤30.00 | PASS |
| 11AC40MIMO | total | 5755 | -10.98 | ≤27.98 | PASS |
| 11AC40MIMO | Ant1 | 5795 | -11.12 | ≤30.00 | PASS |
| 11AC40MIMO | Ant2 | 5795 | -16.09 | ≤30.00 | PASS |
| 11AC40MIMO | total | 5795 | -9.92 | ≤27.98 | PASS |
| 11AC80MIMO | Ant1 | 5775 | -15.94 | ≤30.00 | PASS |
| 11AC80MIMO | Ant2 | 5775 | -16.19 | ≤30.00 | PASS |
| 11AC80MIMO | total | 5775 | -13.05 | ≤27.98 | PASS |

| | | | | | |
|---|---|---|---|---|---|
| 11AX20MIMO | Ant1 | 5745 | -10.85 | ≤30.00 | PASS |
| 11AX20MIMO | Ant2 | 5745 | -10.31 | ≤30.00 | PASS |
| 11AX20MIMO | total | 5745 | -7.56 | ≤27.98 | PASS |
| 11AX20MIMO | Ant1 | 5785 | -9.13 | ≤30.00 | PASS |
| 11AX20MIMO | Ant2 | 5785 | -9.03 | ≤30.00 | PASS |
| 11AX20MIMO | total | 5785 | -6.07 | ≤27.98 | PASS |
| 11AX20MIMO | Ant1 | 5825 | -9.42 | ≤30.00 | PASS |
| 11AX20MIMO | Ant2 | 5825 | -10.01 | ≤30.00 | PASS |
| 11AX20MIMO | total | 5825 | -6.69 | ≤27.98 | PASS |
| 11AX40MIMO | Ant1 | 5755 | -11.79 | ≤30.00 | PASS |
| 11AX40MIMO | Ant2 | 5755 | -10.77 | ≤30.00 | PASS |
| 11AX40MIMO | total | 5755 | -8.24 | ≤27.98 | PASS |
| 11AX40MIMO | Ant1 | 5795 | -11.97 | ≤30.00 | PASS |
| 11AX40MIMO | Ant2 | 5795 | -11.96 | ≤30.00 | PASS |
| 11AX40MIMO | total | 5795 | -8.95 | ≤27.98 | PASS |
| 11AX80MIMO | Ant1 | 5775 | -14.48 | ≤30.00 | PASS |
| 11AX80MIMO | Ant2 | 5775 | -14.07 | ≤30.00 | PASS |
| 11AX80MIMO | total | 5775 | -11.26 | ≤27.98 | PASS |

Note:

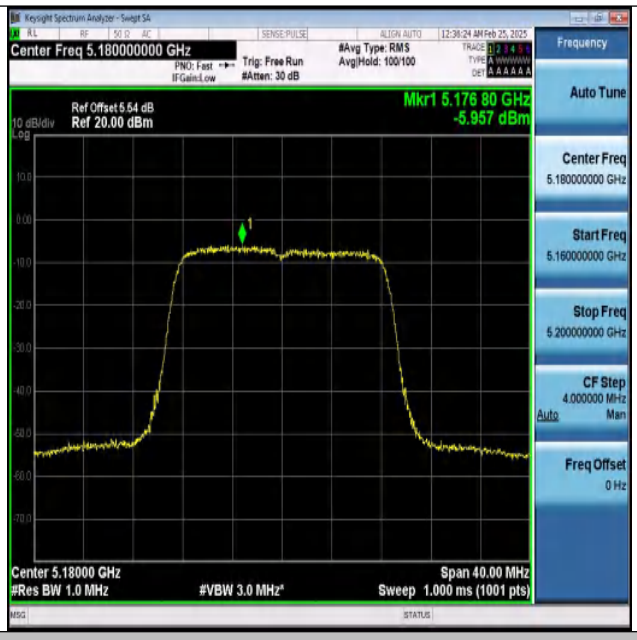
1.The Duty Cycle Factor and cable loss are compensated in the graph.

2.Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}$] dBi=8.02>6dBi,

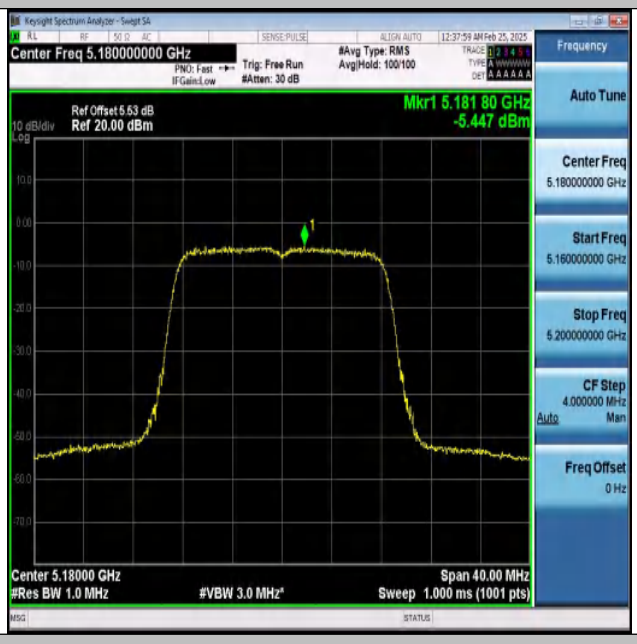
so Final limit=limit-(Directional gain-6.00)dBm;

3. MIMO= 10*LOG((10^Ant2/10)+10^(ANT2/10))

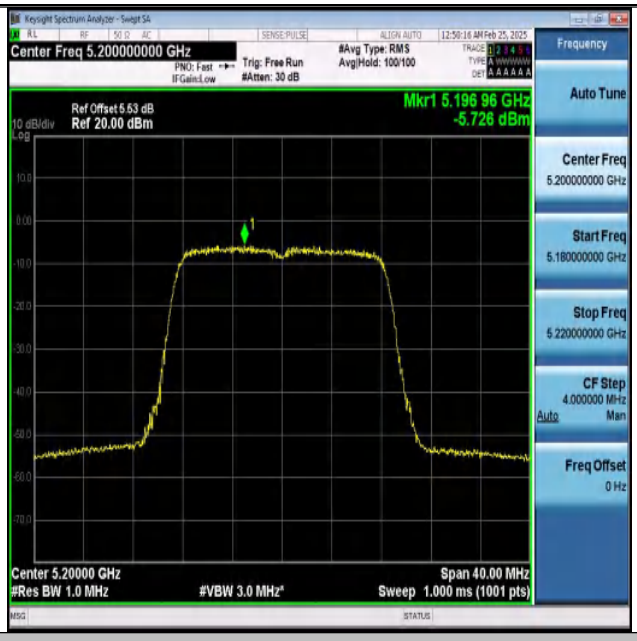
## Test Graphs B1



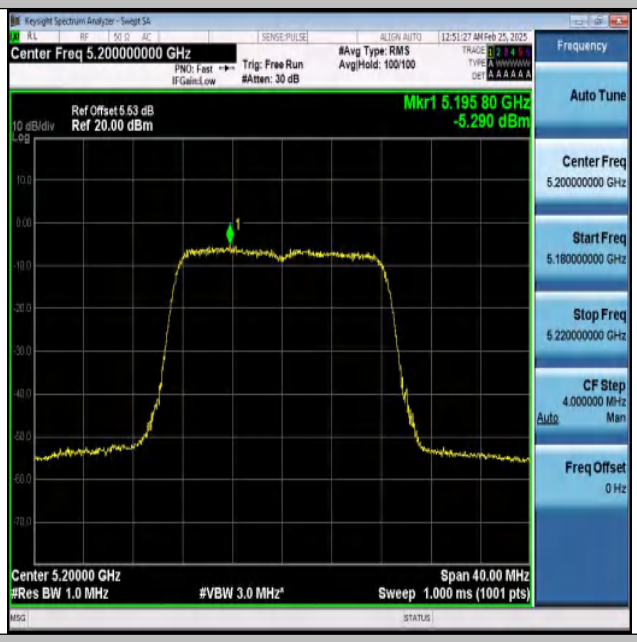

11A-Ant1-5180-PASS



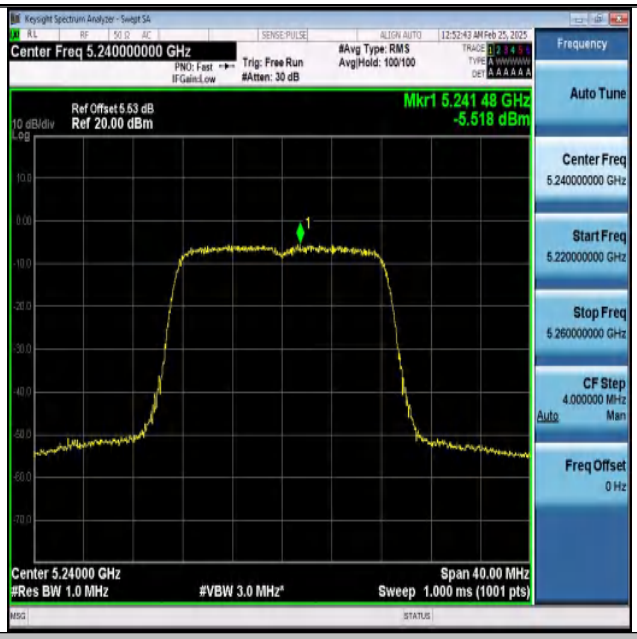

11A-Ant2-5180-PASS



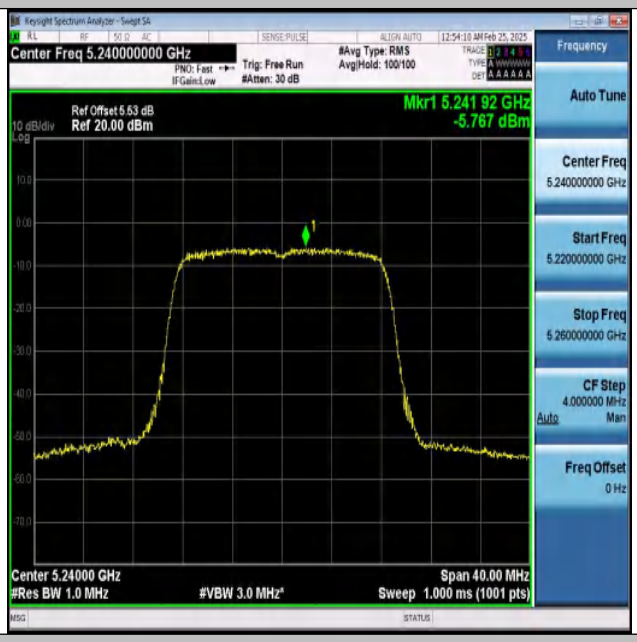

11A-Ant1-5200-PASS



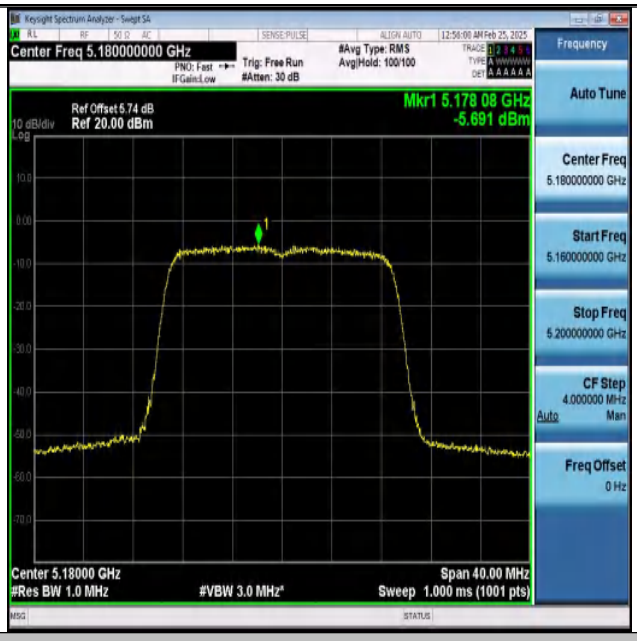

11A-Ant2-5200-PASS



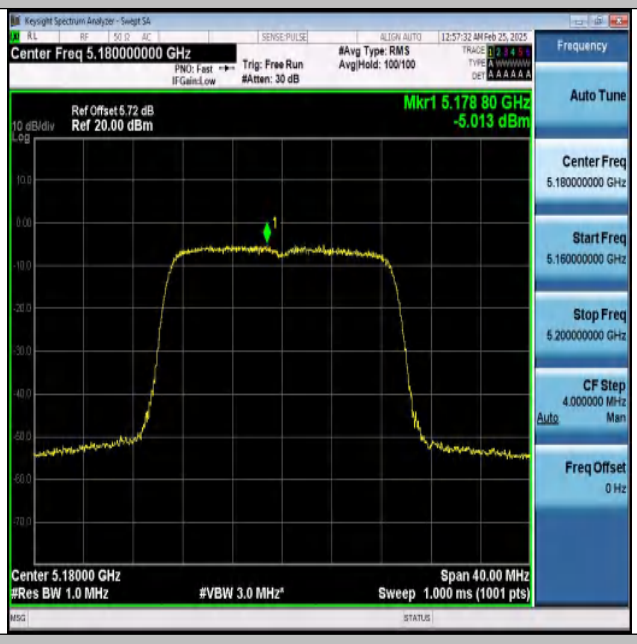

11A-Ant1-5240-PASS



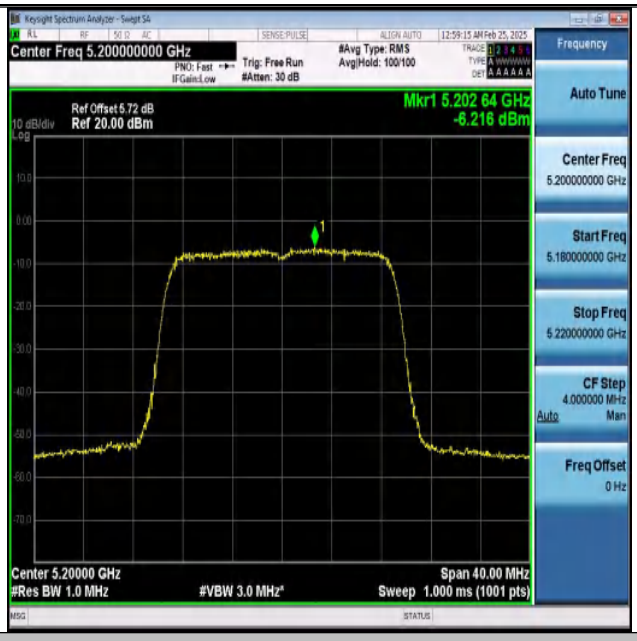

11A-Ant2-5240-PASS



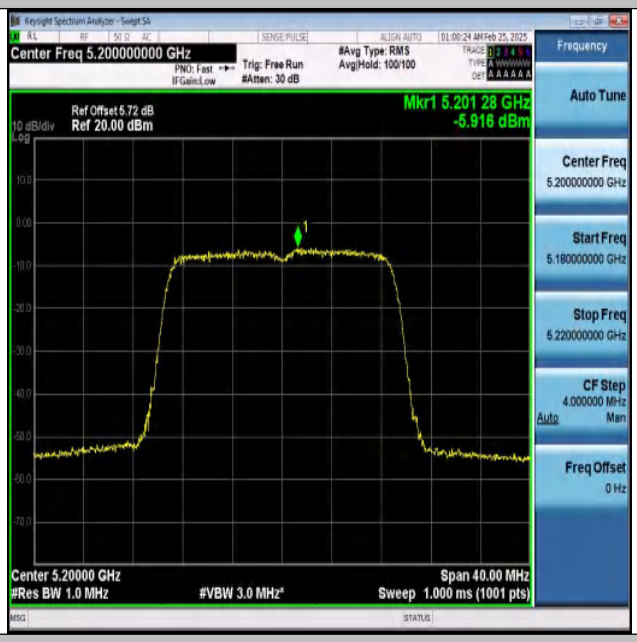

11N20MIMO-Ant1-5180-PASS



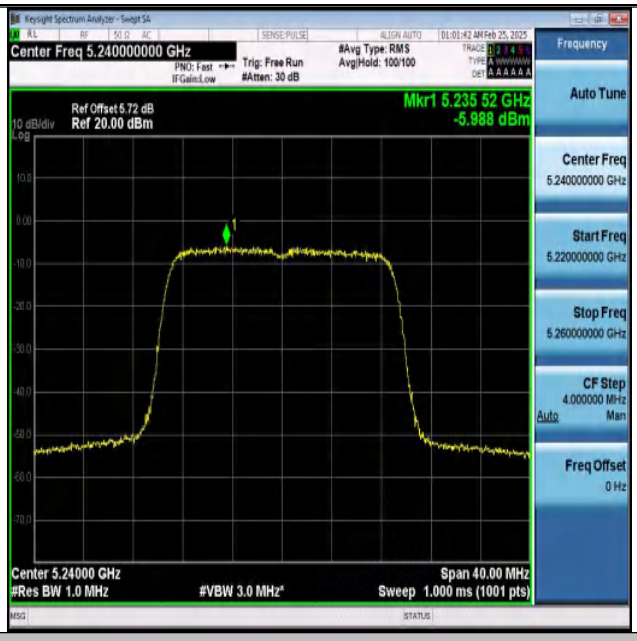

11N20MIMO-Ant2-5180-PASS



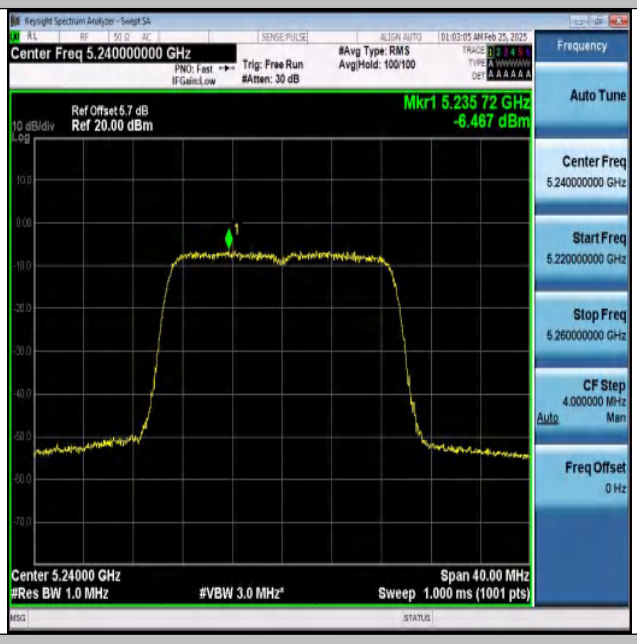

11N20MIMO-Ant1-5200-PASS



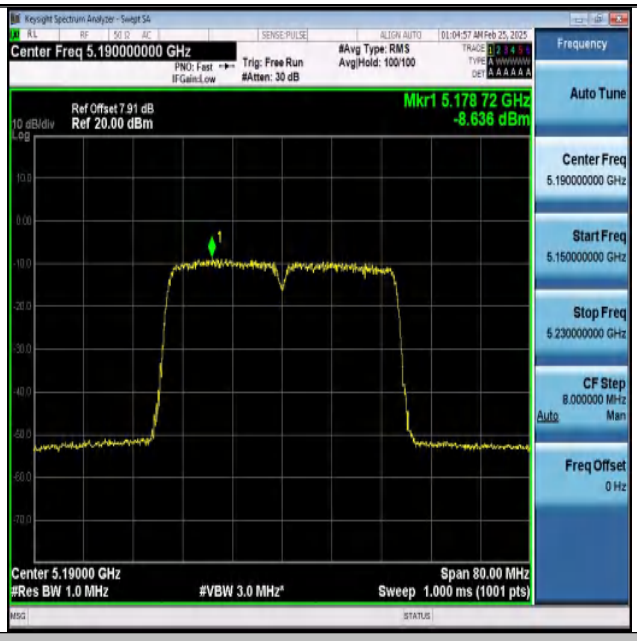

11N20MIMO-Ant2-5200-PASS



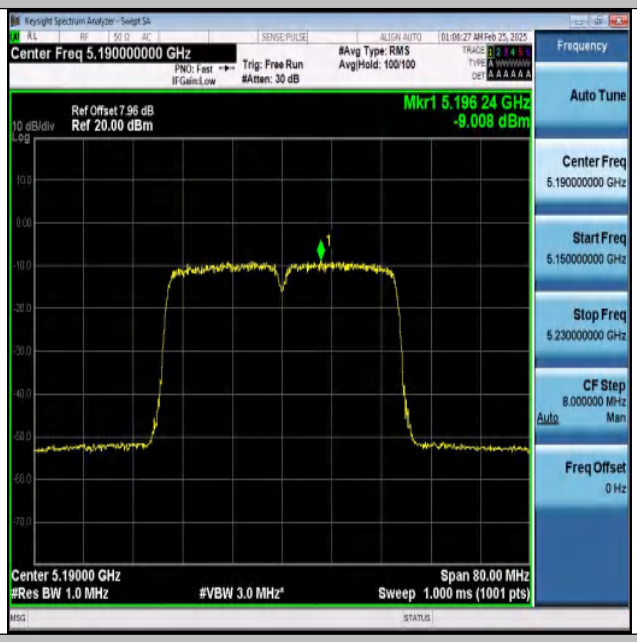

11N20MIMO-Ant1-5240-PASS



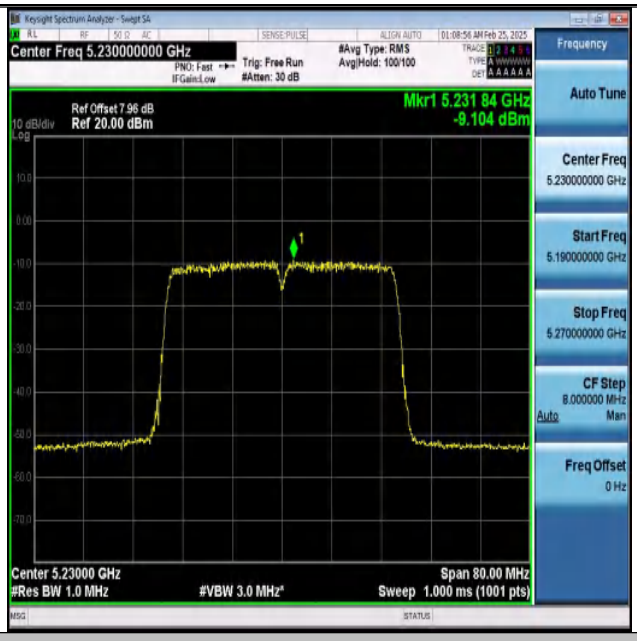

11N20MIMO-Ant2-5240-PASS



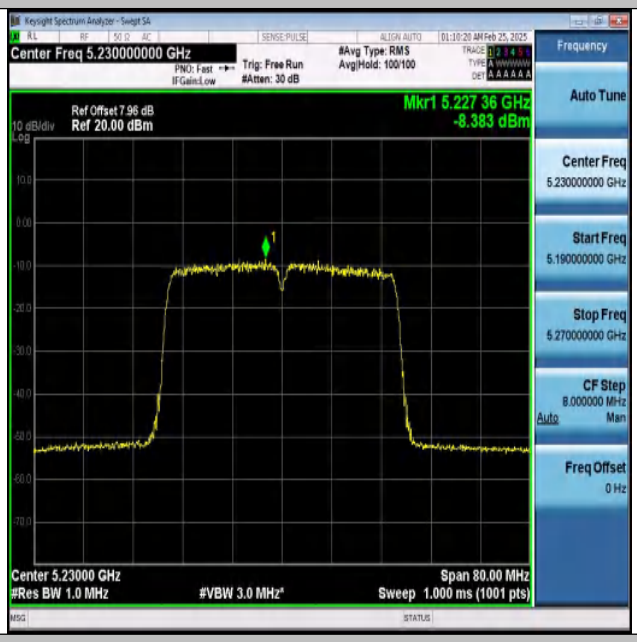

11N40MIMO-Ant1-5190-PASS



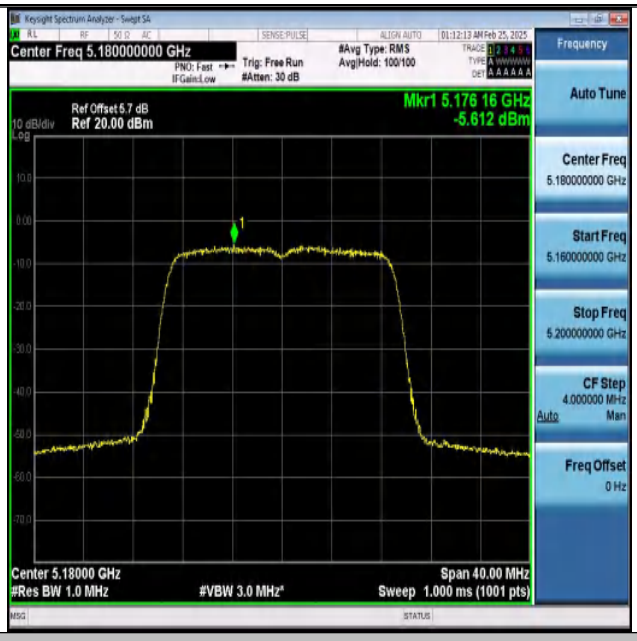

11N40MIMO-Ant2-5190-PASS



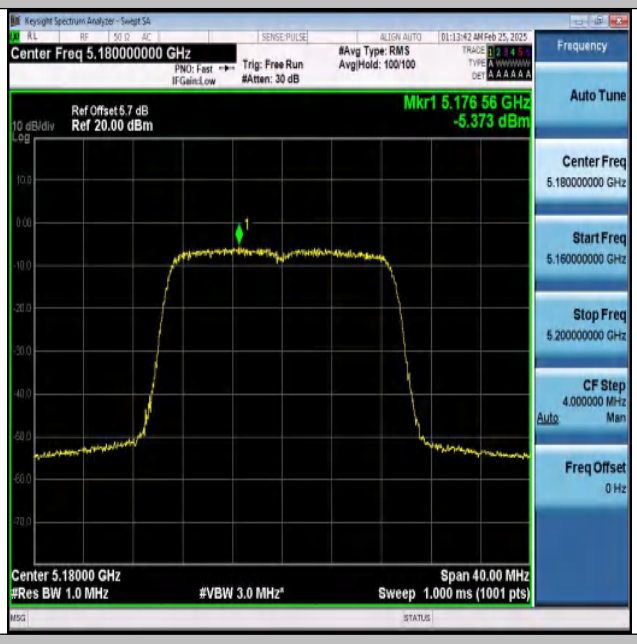

11N40MIMO-Ant1-5230-PASS



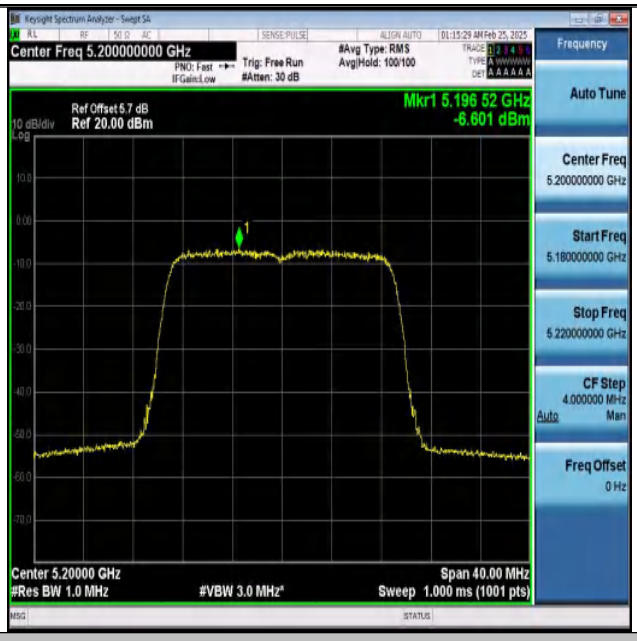

11N40MIMO-Ant2-5230-PASS



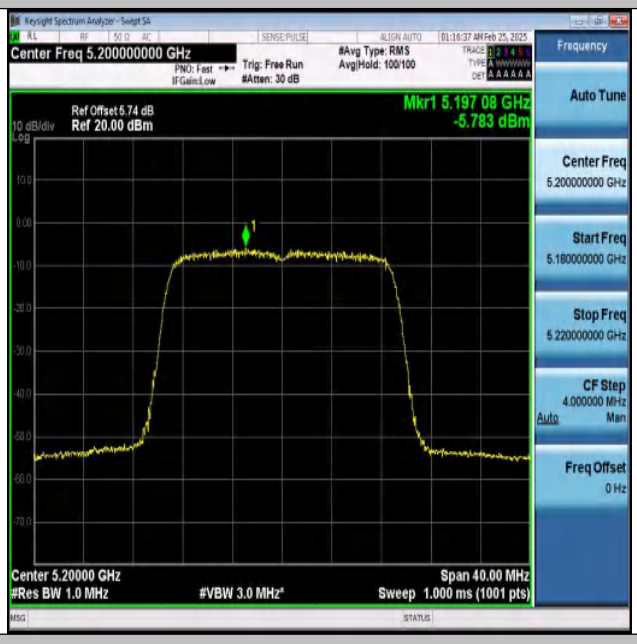

11AC20MIMO-Ant1-5180-PASS



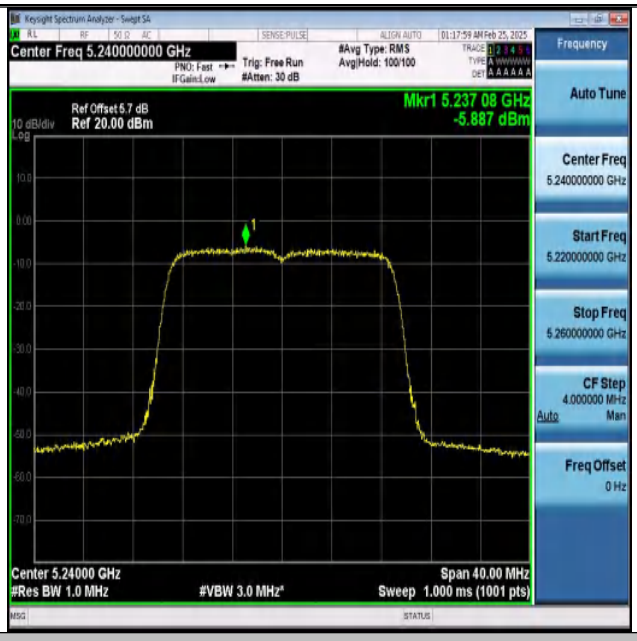

11AC20MIMO-Ant2-5180-PASS



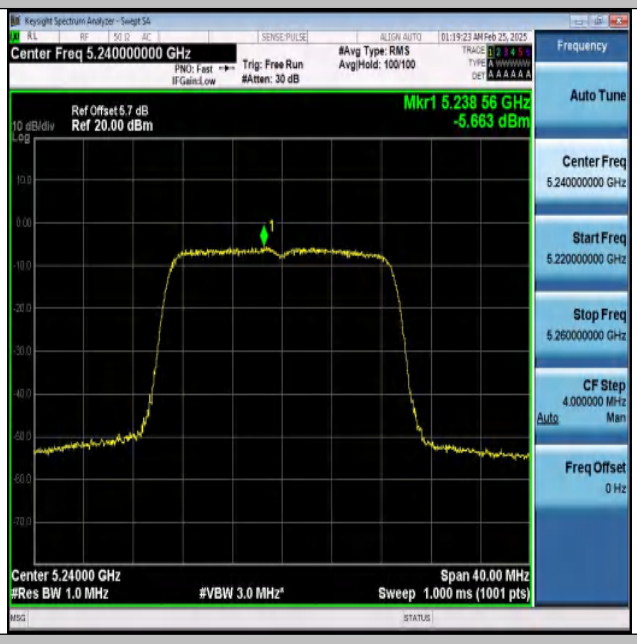

11AC20MIMO-Ant1-5200-PASS



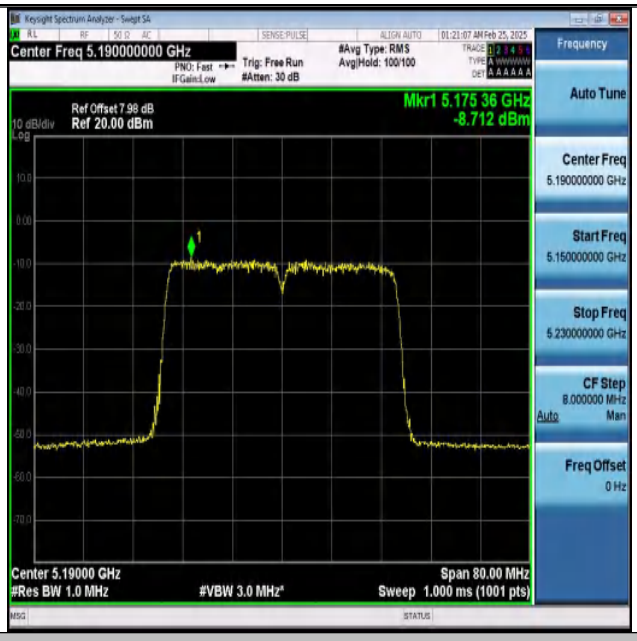

11AC20MIMO-Ant2-5200-PASS



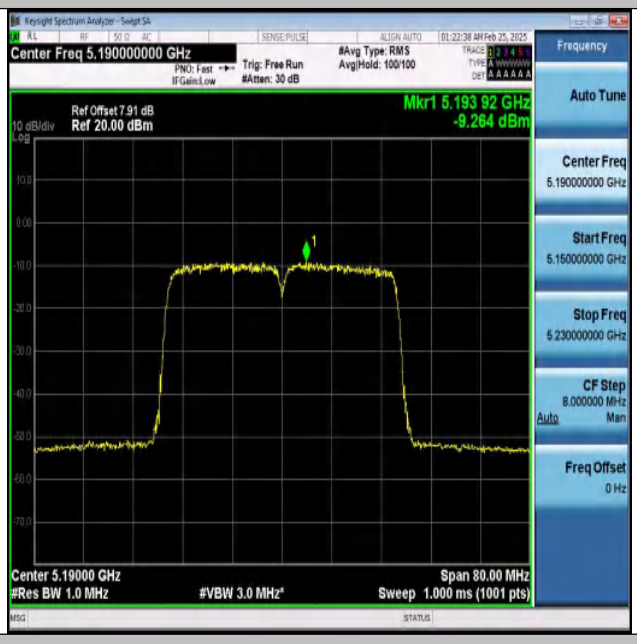

11AC20MIMO-Ant1-5240-PASS



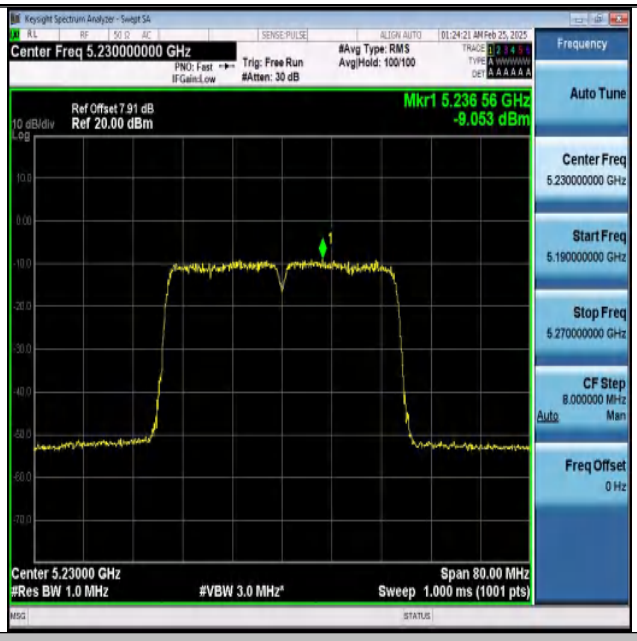

11AC20MIMO-Ant2-5240-PASS



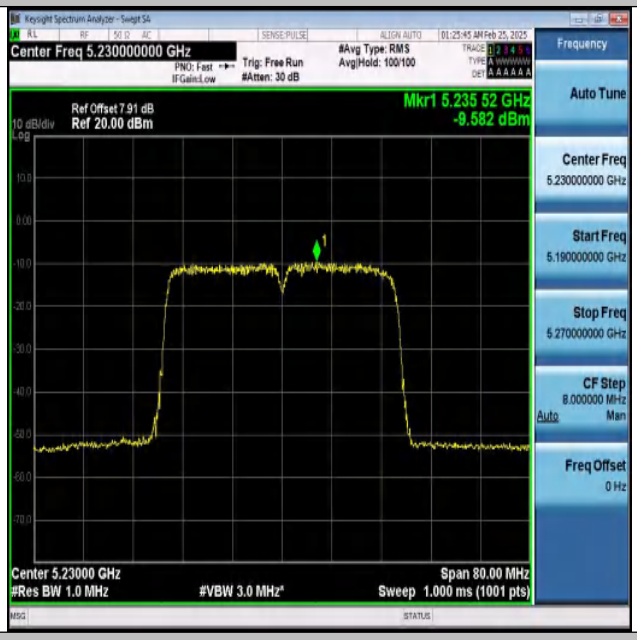

11AC40MIMO-Ant1-5190-PASS



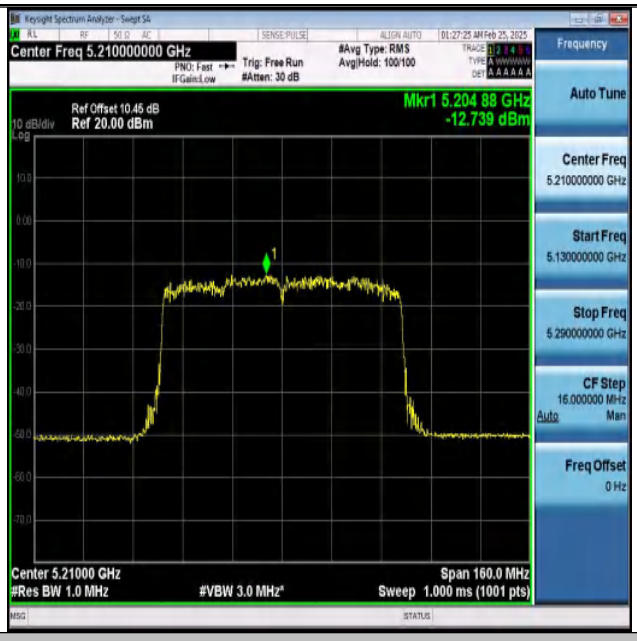

11AC40MIMO-Ant2-5190-PASS



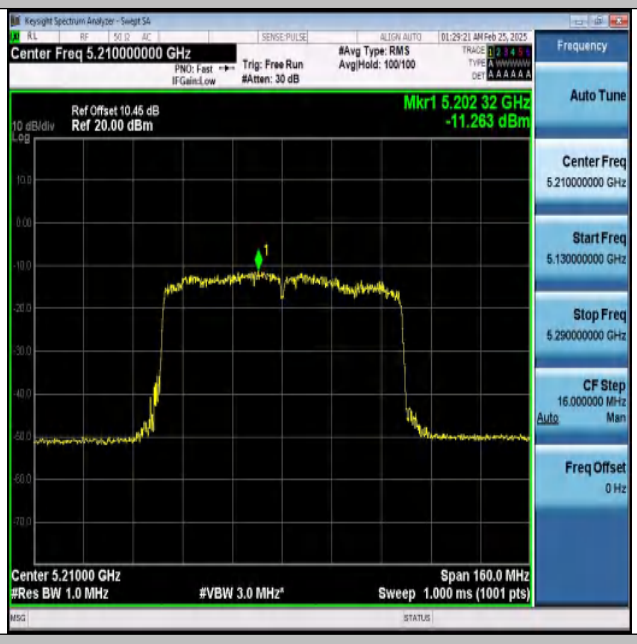

11AC40MIMO-Ant1-5230-PASS



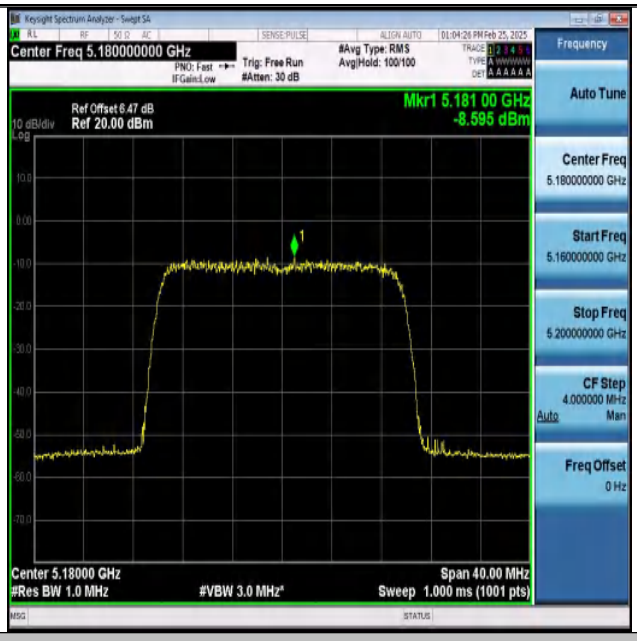

11AC40MIMO-Ant2-5230-PASS



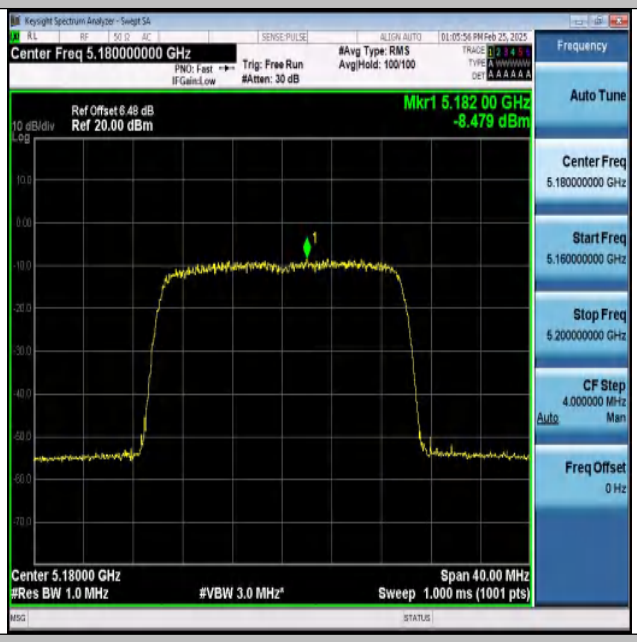

11AC80MIMO-Ant1-5210-PASS



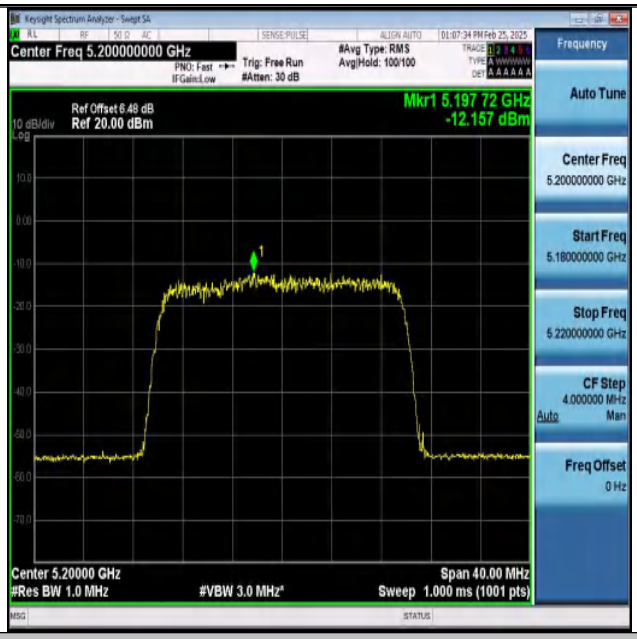

11AC80MIMO-Ant2-5210-PASS



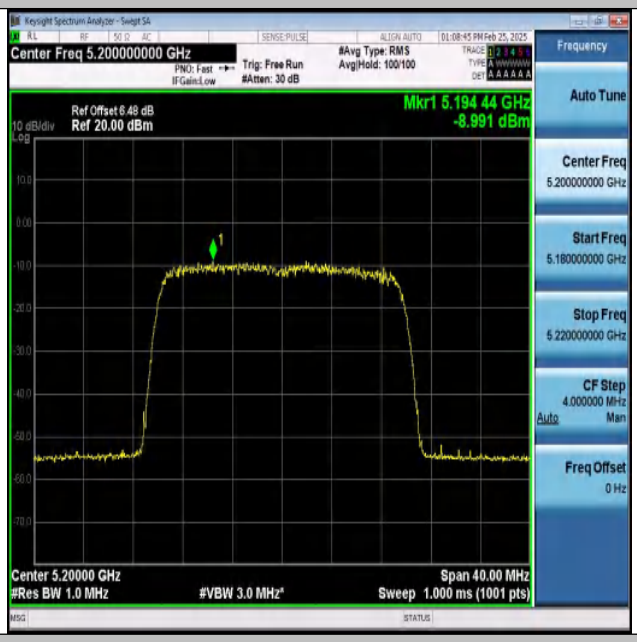

11AX20MIMO-Ant1-5180-PASS



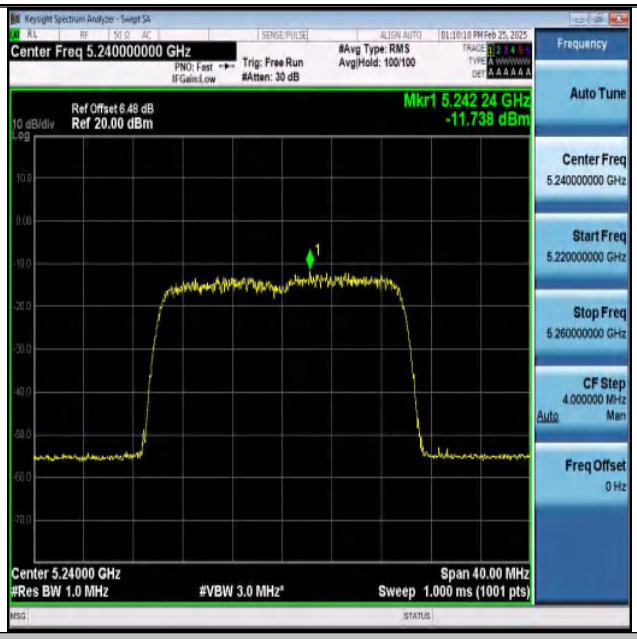

11AX20MIMO-Ant2-5180-PASS



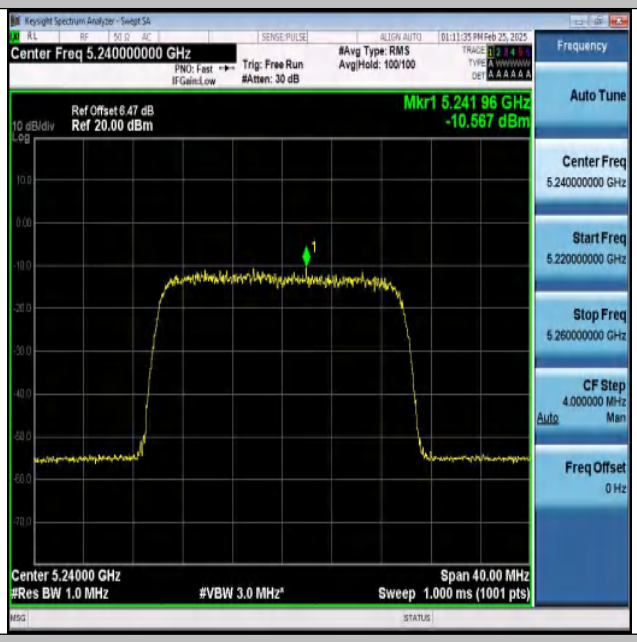

11AX20MIMO-Ant1-5200-PASS



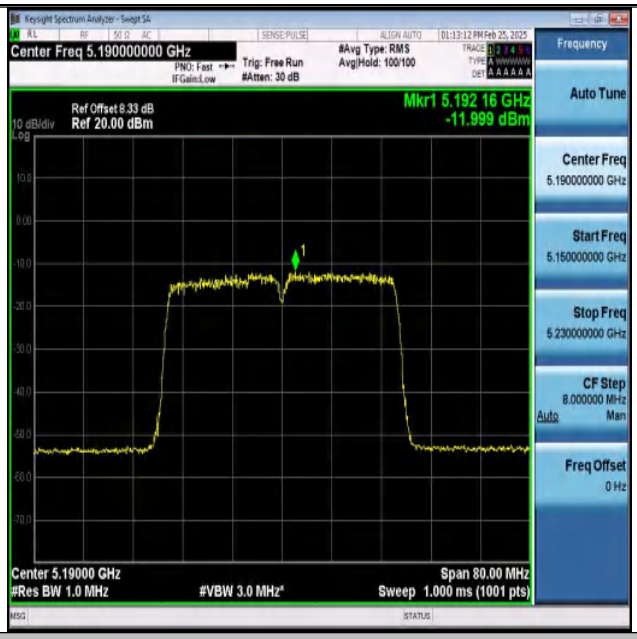

11AX20MIMO-Ant2-5200-PASS



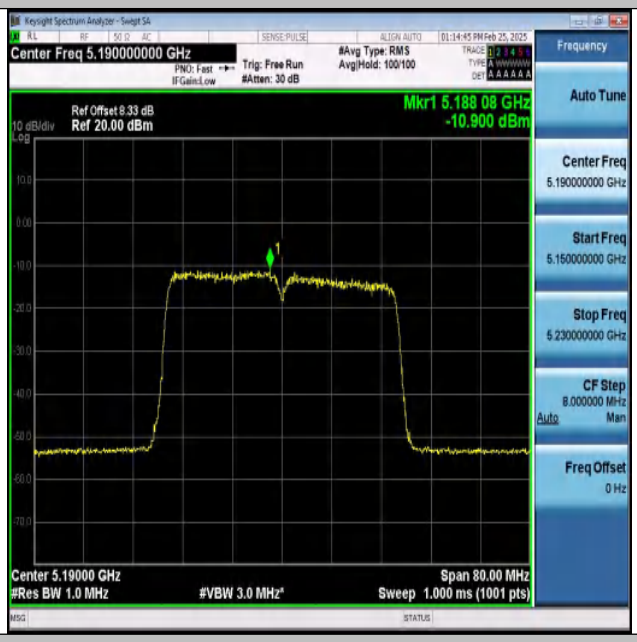

11AX20MIMO-Ant1-5240-PASS



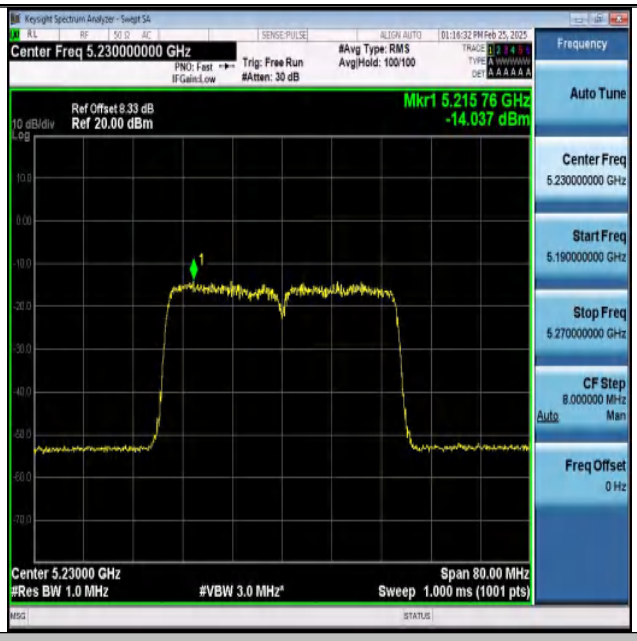

11AX20MIMO-Ant2-5240-PASS



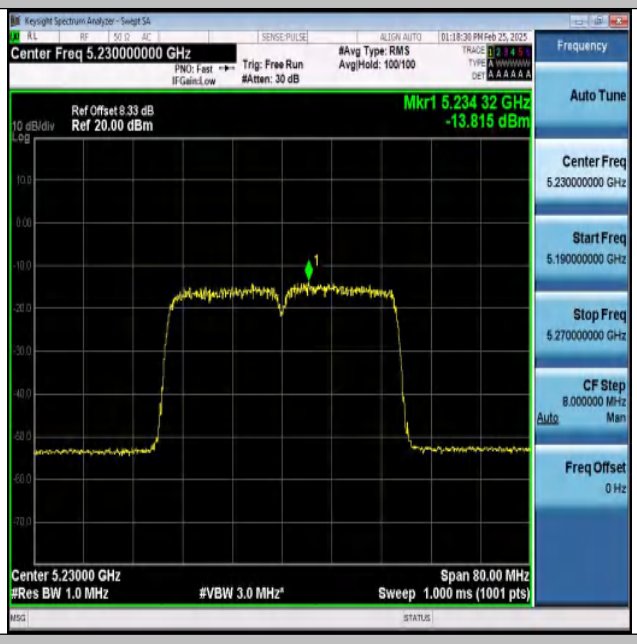

11AX40MIMO-Ant1-5190-PASS




11AX40MIMO-Ant2-5190-PASS

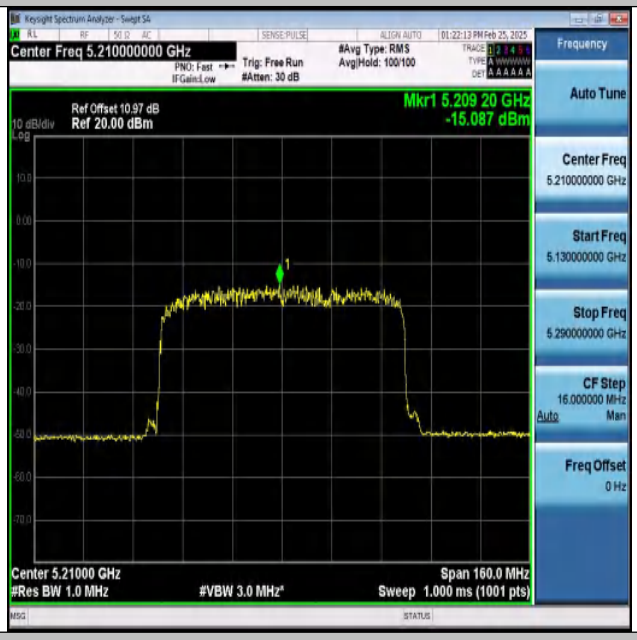



11AX40MIMO-Ant1-5230-PASS



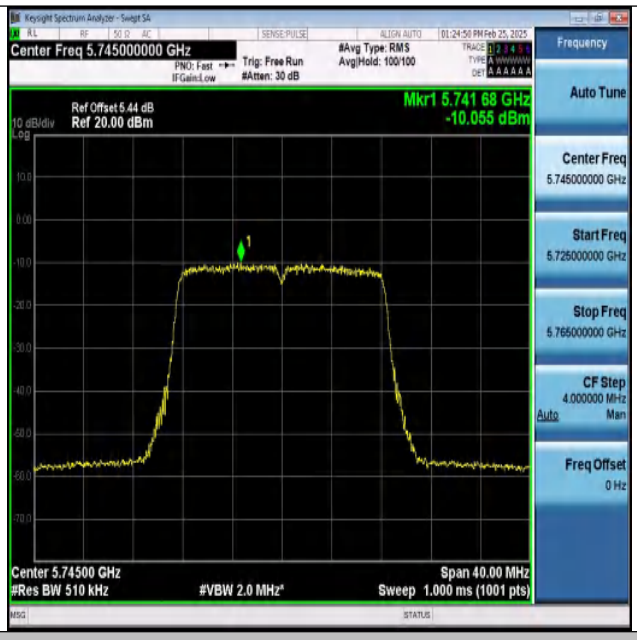

11AX40MIMO-Ant2-5230-PASS

11AX80MIMO-Ant1-5210-PASS

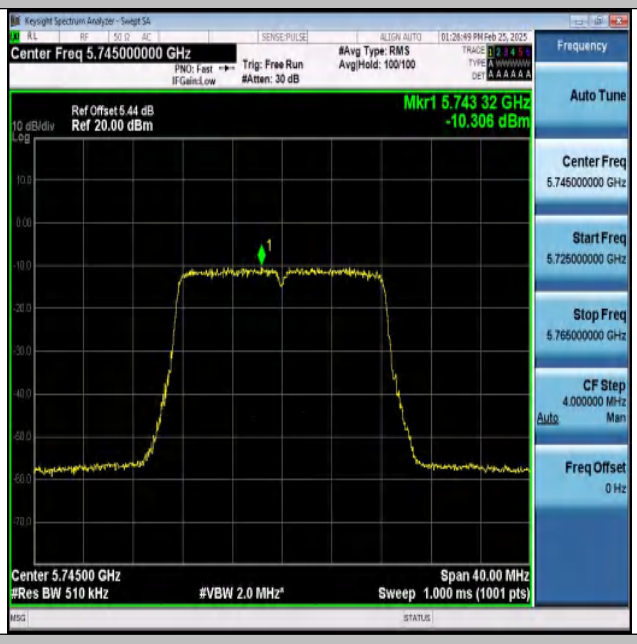



11AX80MIMO-Ant2-5210-PASS

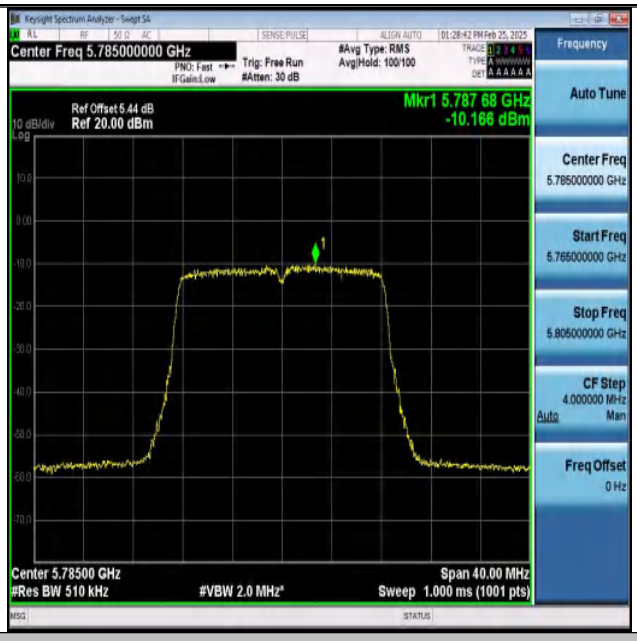
## Test Graphs B4



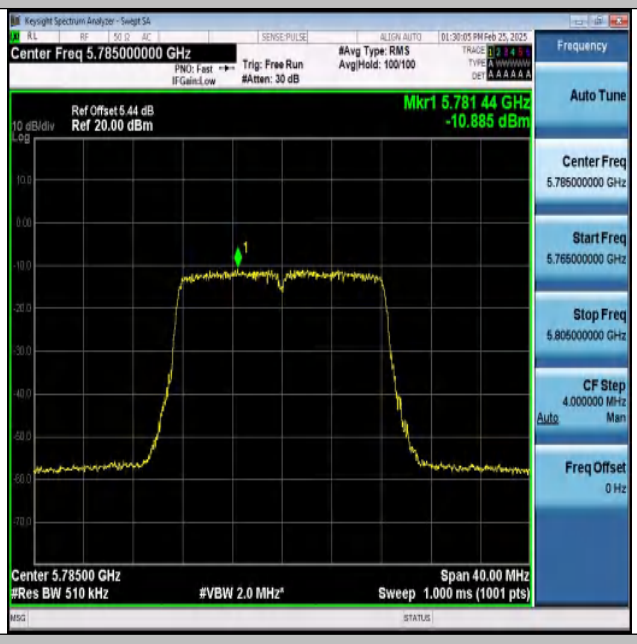

11A-Ant1-5745-PASS



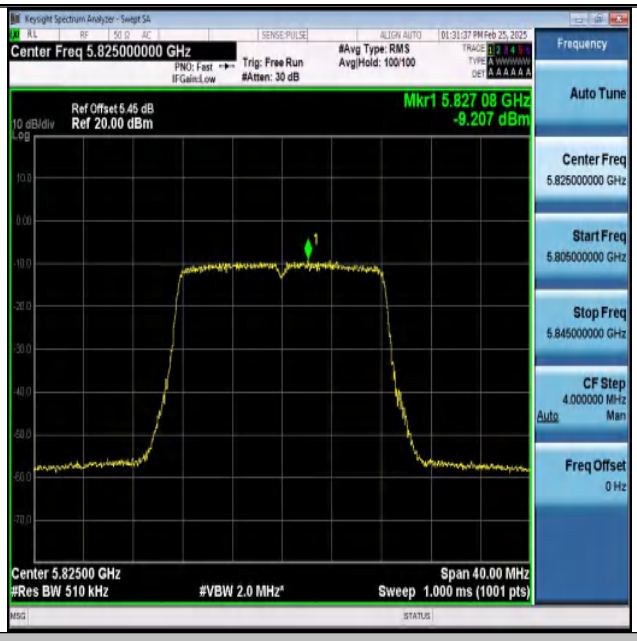

11A-Ant2-5745-PASS



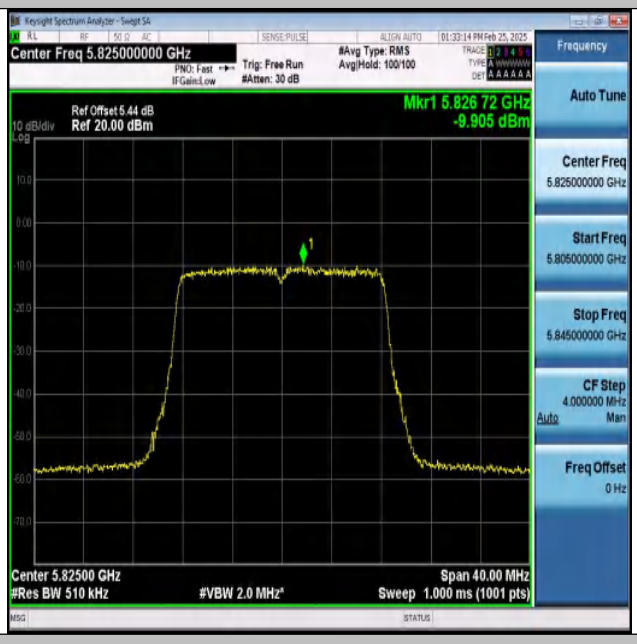

11A-Ant1-5785-PASS



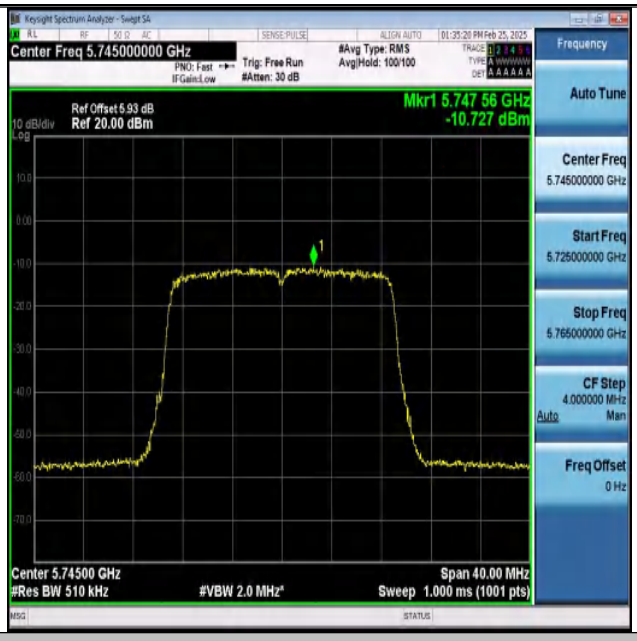

11A-Ant2-5785-PASS



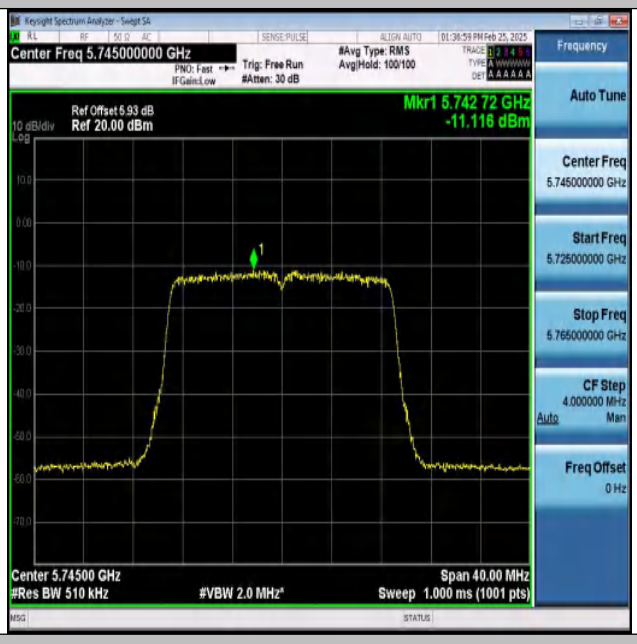

11A-Ant1-5825-PASS



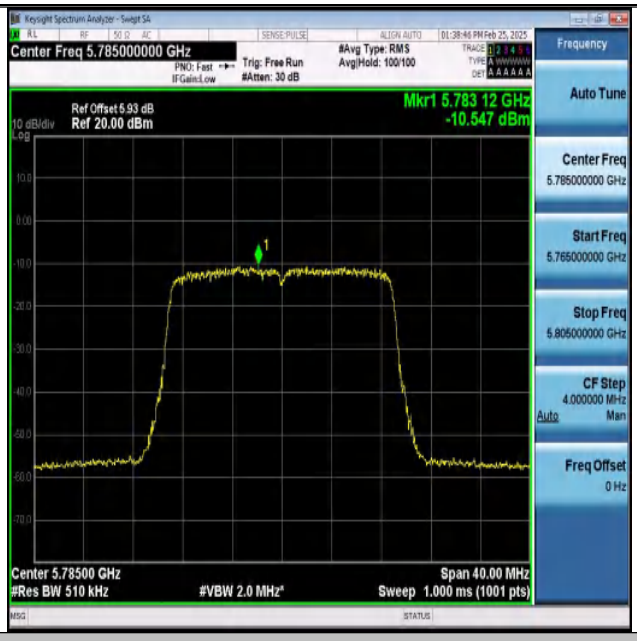

11A-Ant2-5825-PASS




11N20MIMO-Ant1-5745-PASS




11N20MIMO-Ant2-5745-PASS

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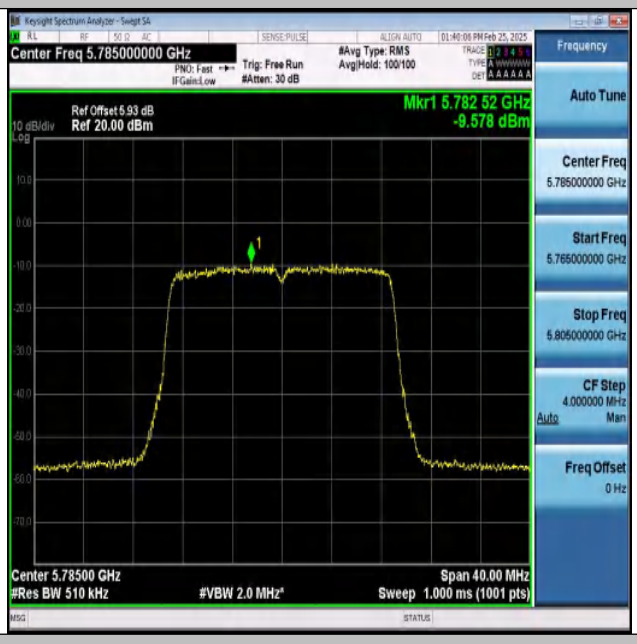


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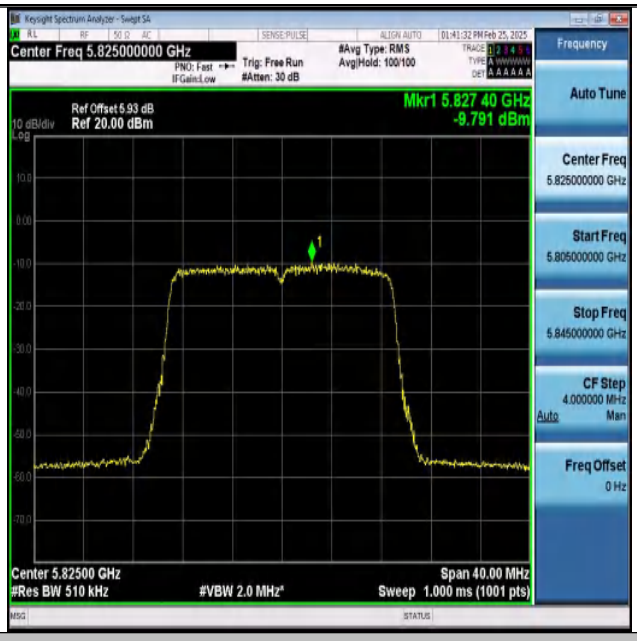
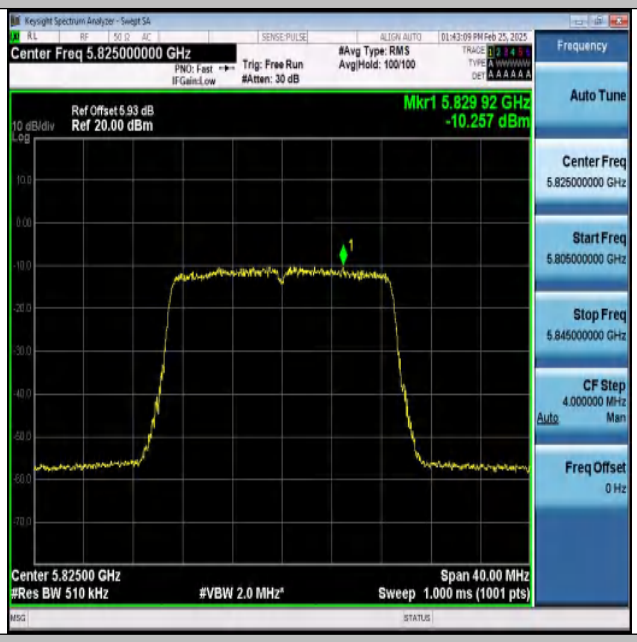
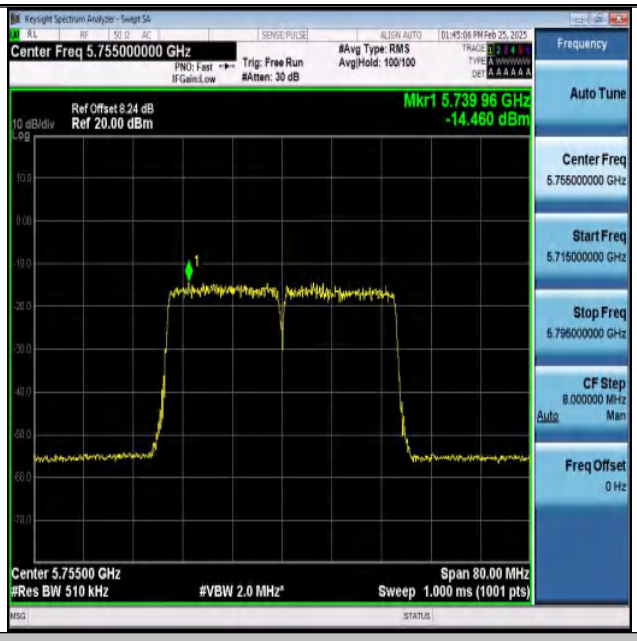


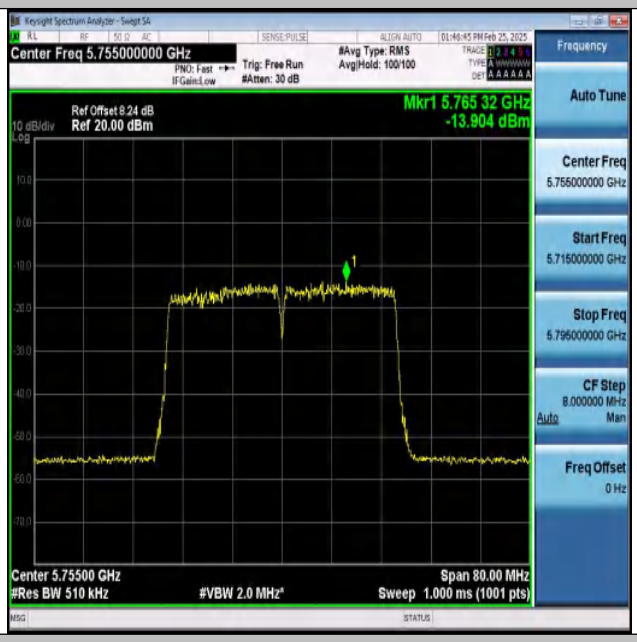

11N20MIMO-Ant1-5825-PASS



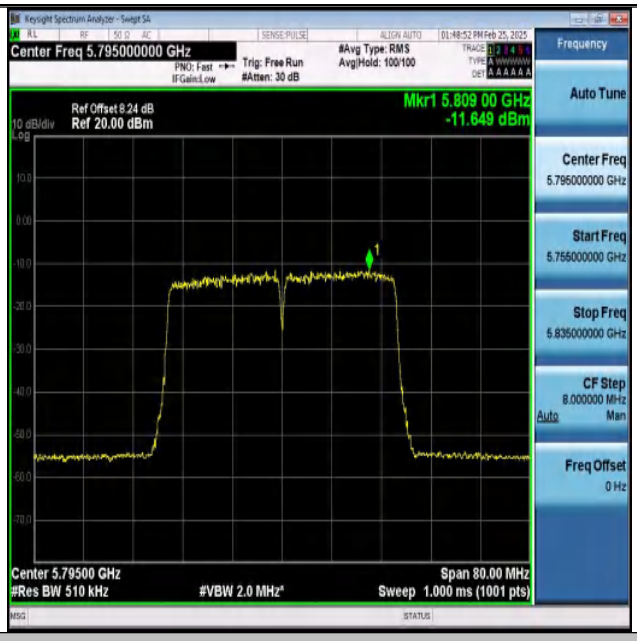

11N20MIMO-Ant2-5825-PASS



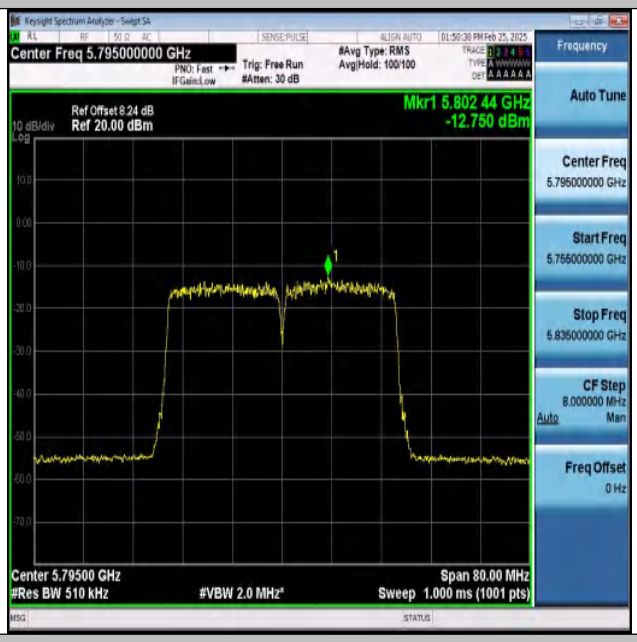

11N40MIMO-Ant1-5755-PASS




11N40MIMO-Ant2-5755-PASS




11N40MIMO-Ant1-5795-PASS

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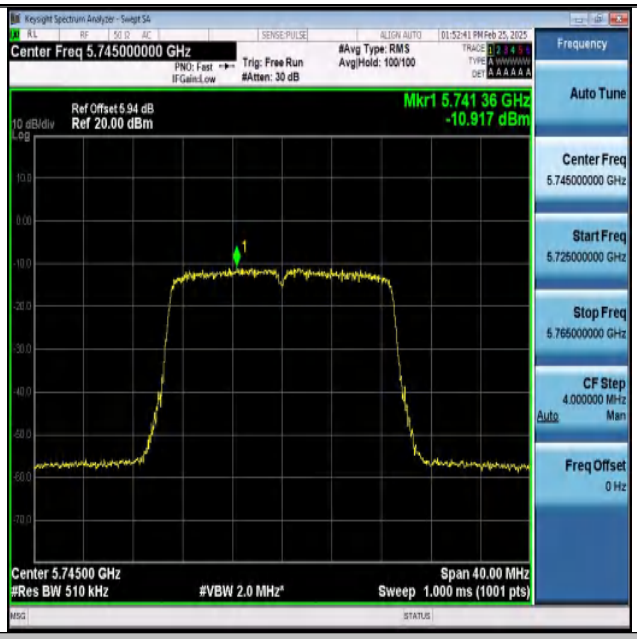
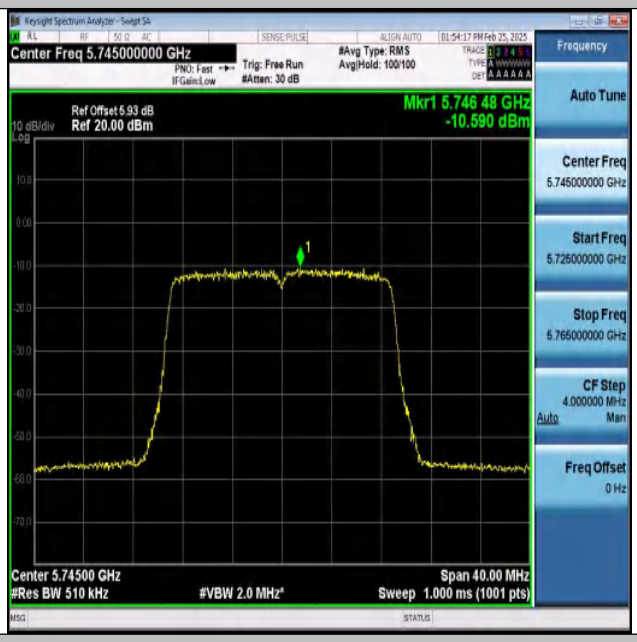
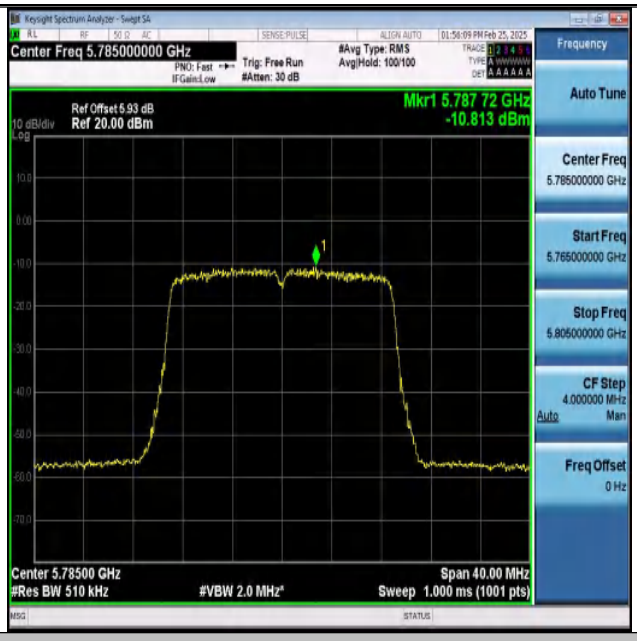


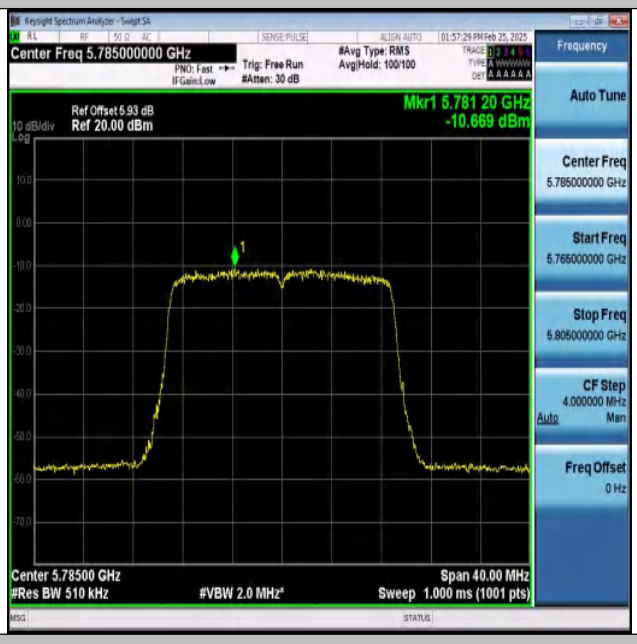

11AC20MIMO-Ant1-5745-PASS



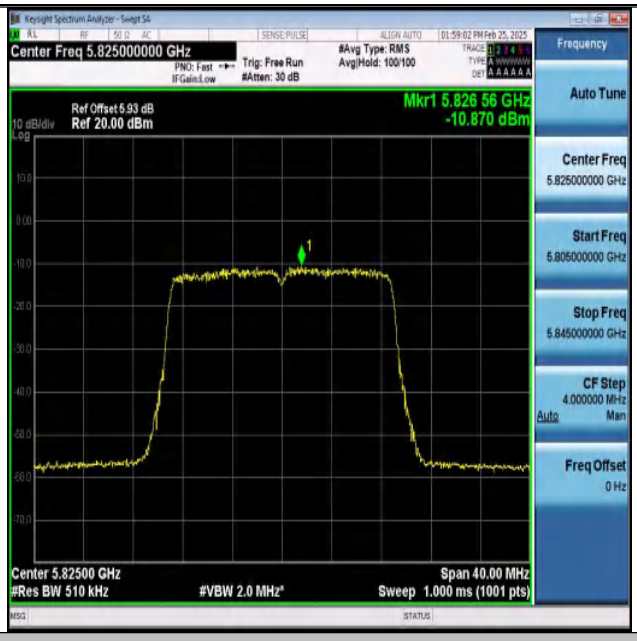

11AC20MIMO-Ant2-5745-PASS



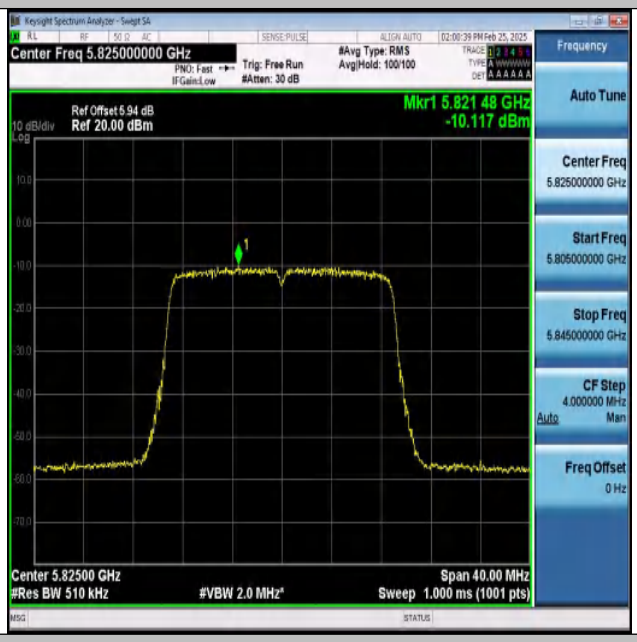

11AC20MIMO-Ant1-5785-PASS



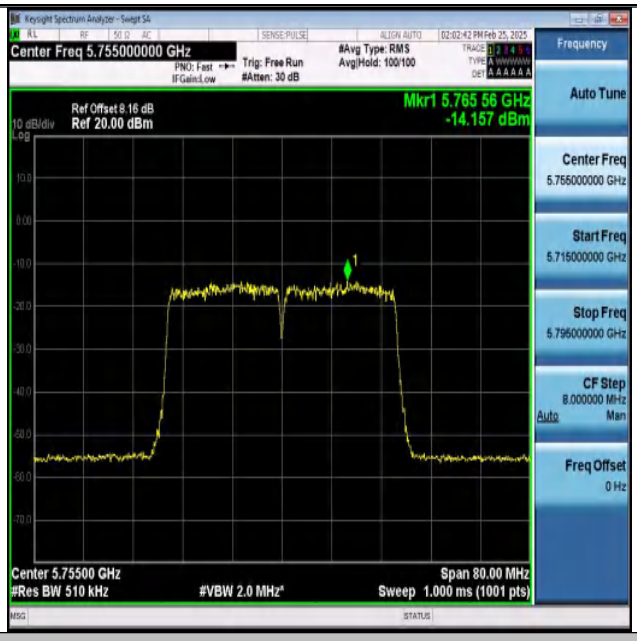

11AC20MIMO-Ant2-5785-PASS



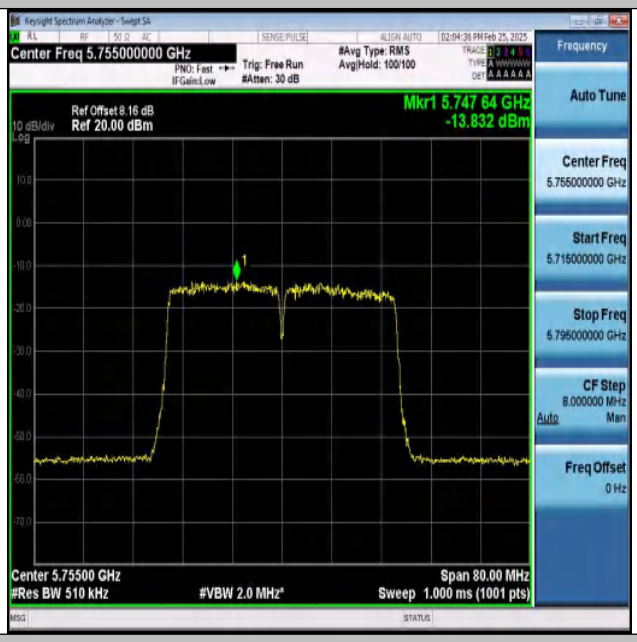

11AC20MIMO-Ant1-5825-PASS



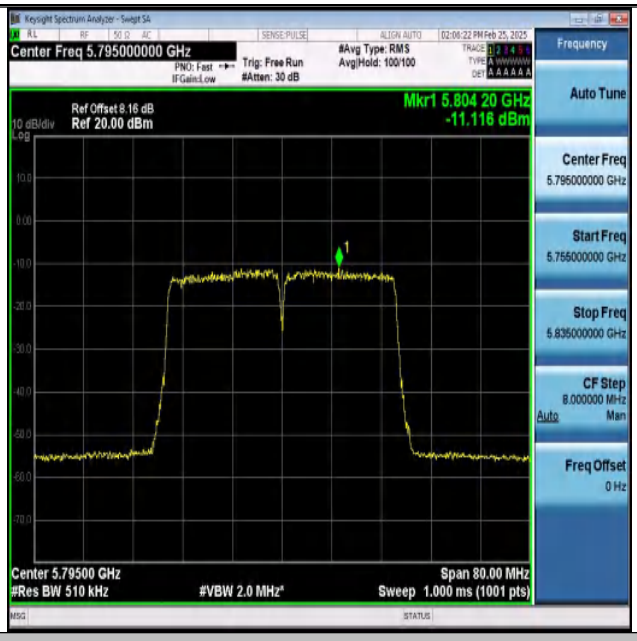

11AC20MIMO-Ant2-5825-PASS



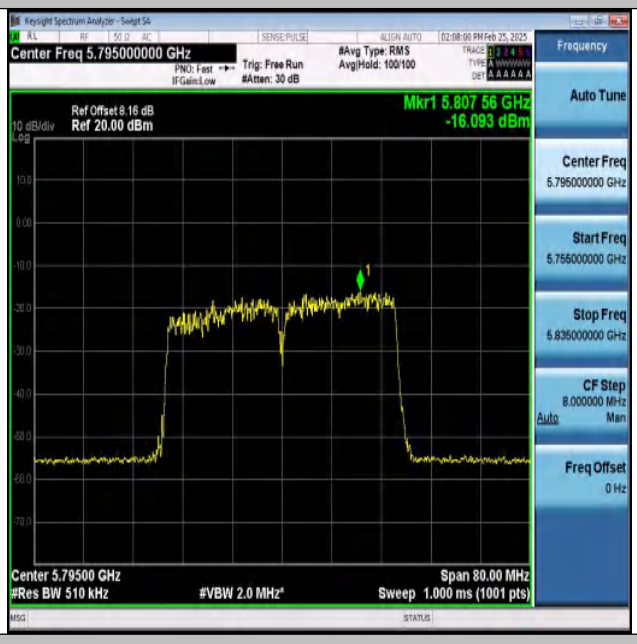

11AC40MIMO-Ant1-5755-PASS



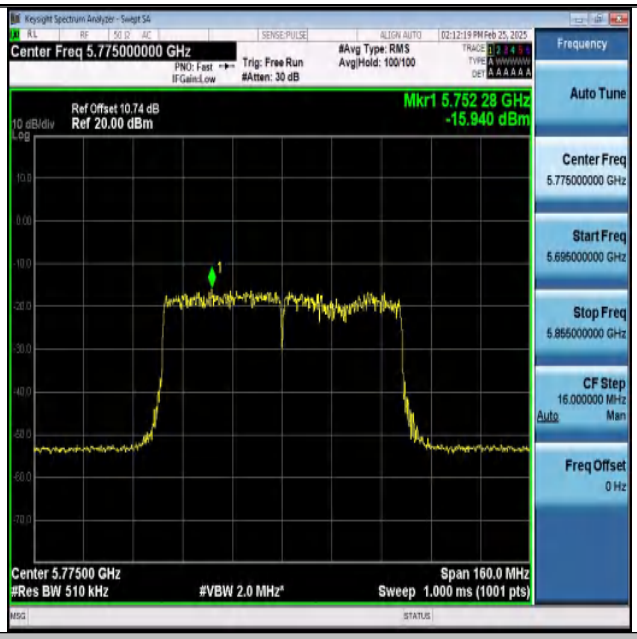

11AC40MIMO-Ant2-5755-PASS



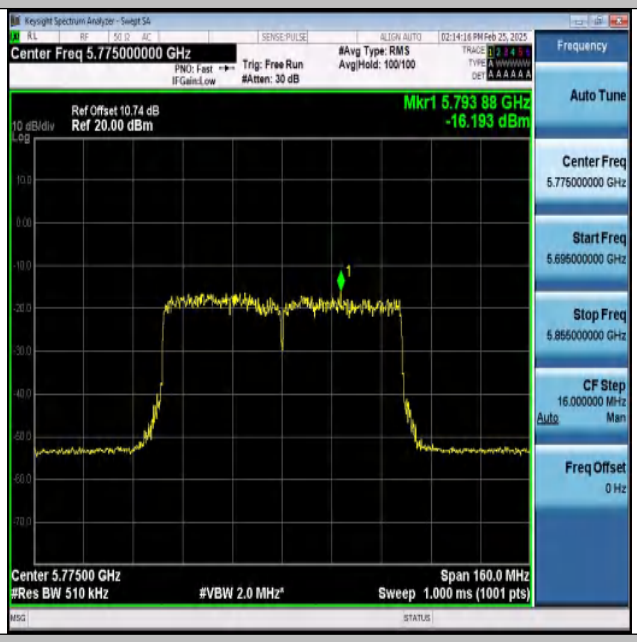

11AC40MIMO-Ant1-5795-PASS



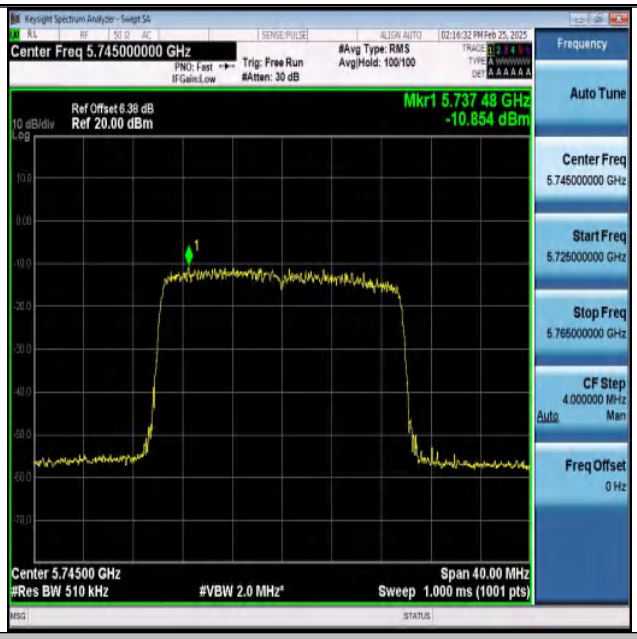

11AC40MIMO-Ant2-5795-PASS



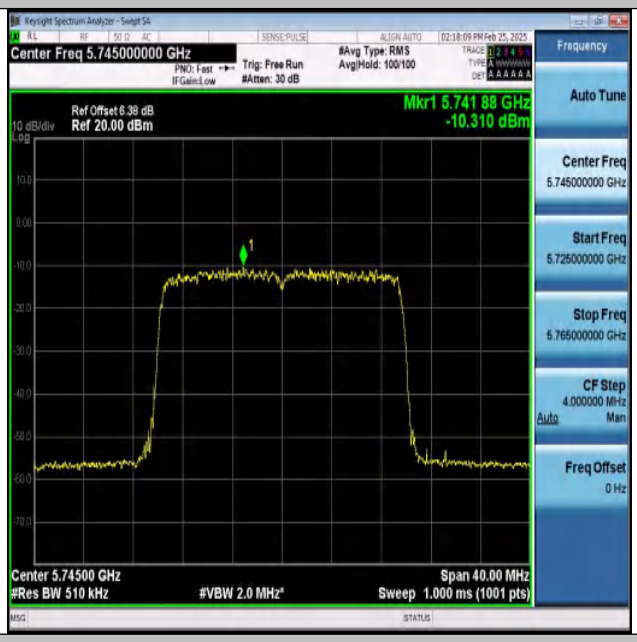

11AC80MIMO-Ant1-5775-PASS



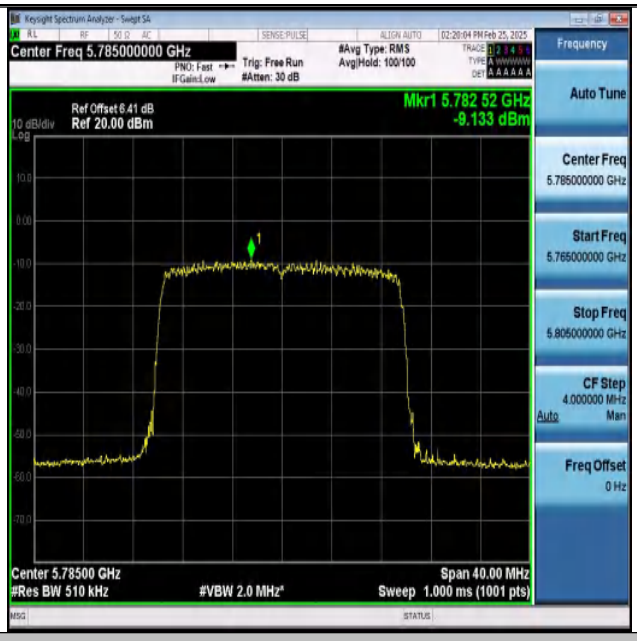

11AC80MIMO-Ant2-5775-PASS



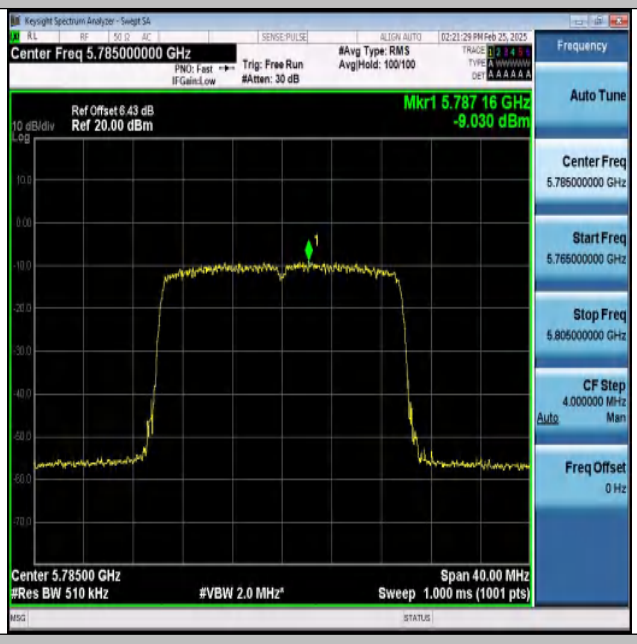

11AX20MIMO-Ant1-5745-PASS




11AX20MIMO-Ant2-5745-PASS




11AX20MIMO-Ant1-5785-PASS

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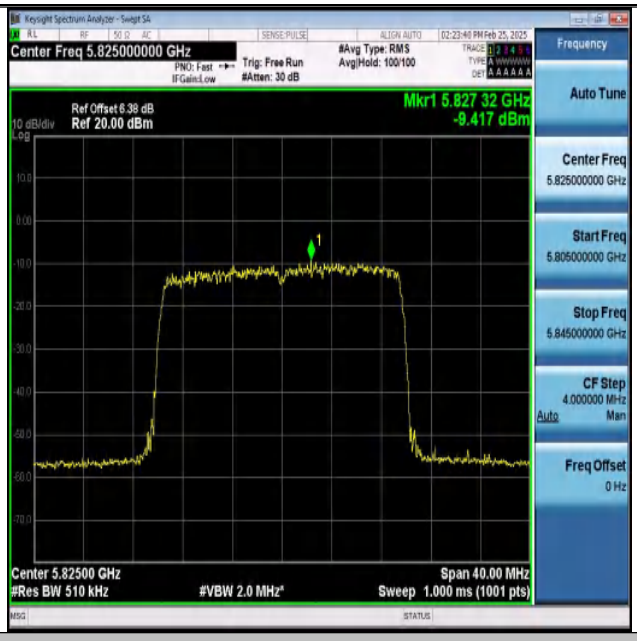
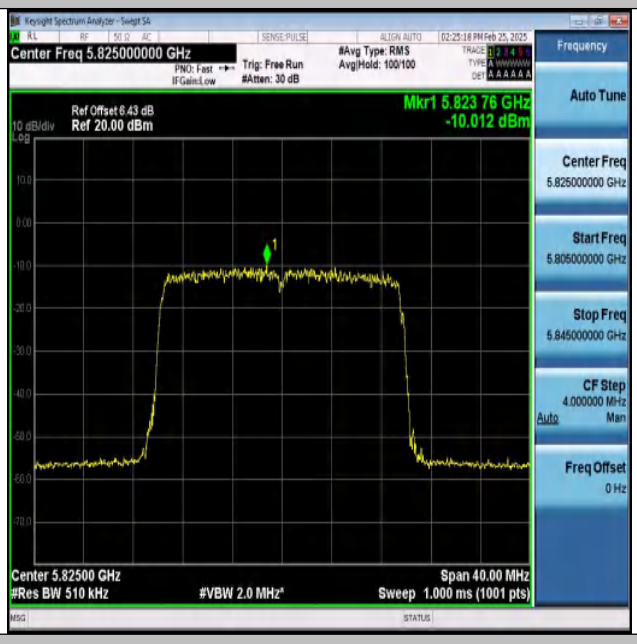



11AX20MIMO-Ant1-5825-PASS

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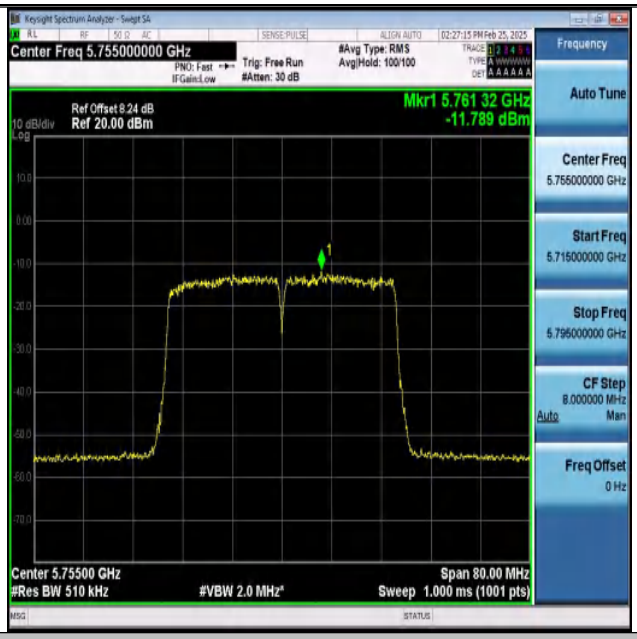


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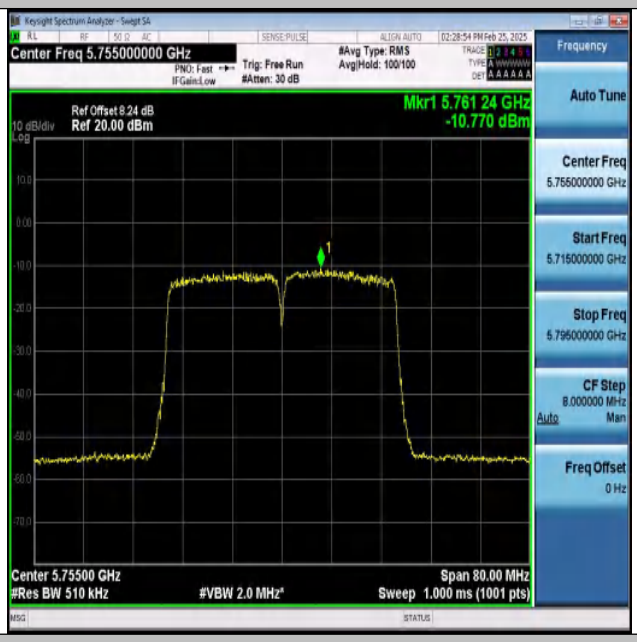
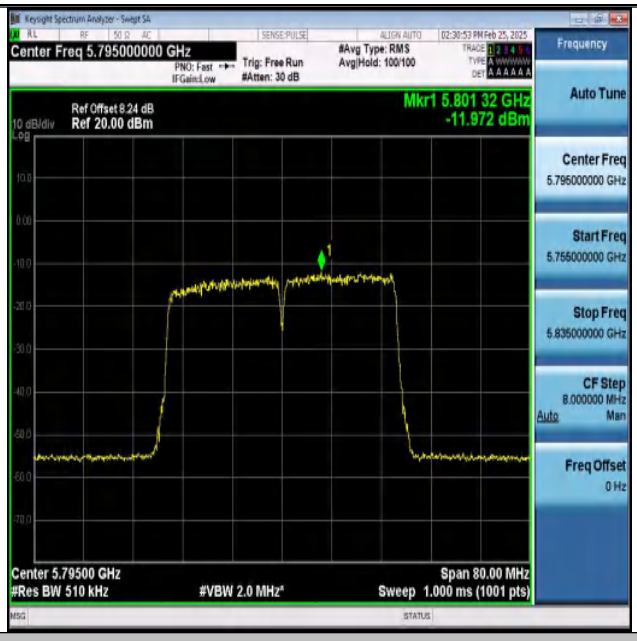
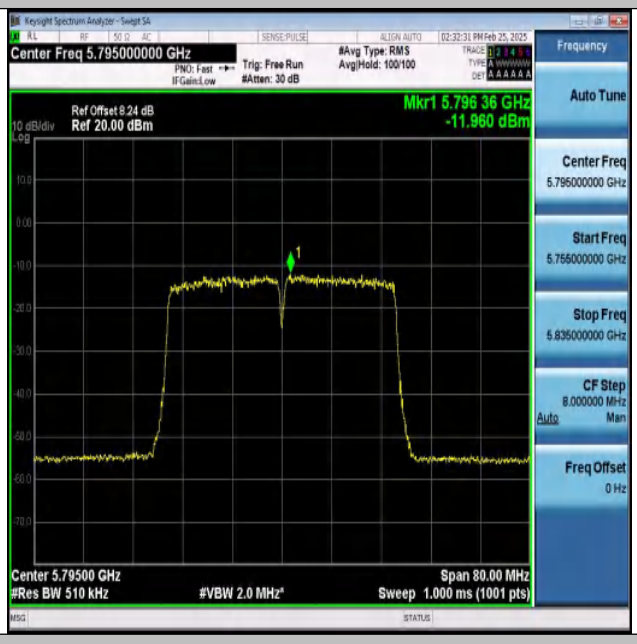


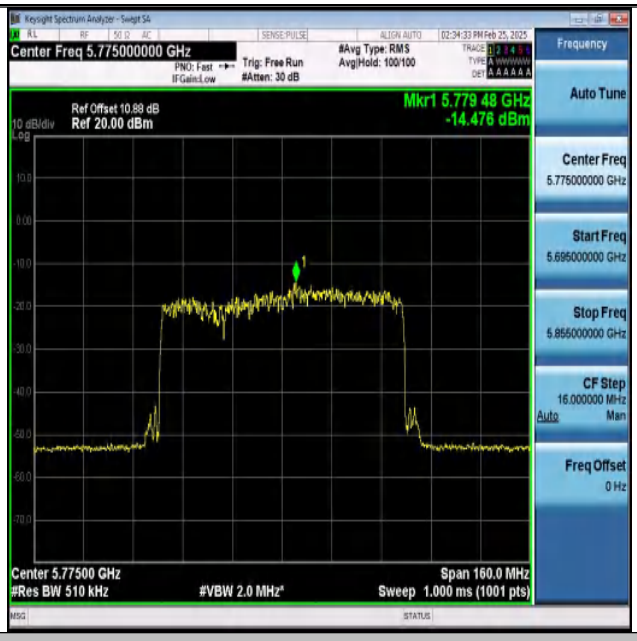

11AX40MIMO-Ant2-5755-PASS



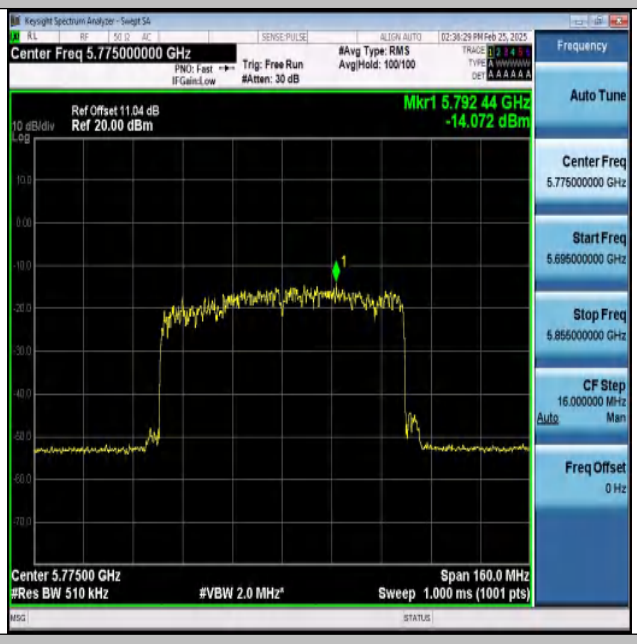

11AX40MIMO-Ant1-5795-PASS




11AX40MIMO-Ant2-5795-PASS




11AX80MIMO-Ant1-5775-PASS




11AX80MIMO-Ant2-5775-PASS

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