

11N20MIMO_Ant2_5785



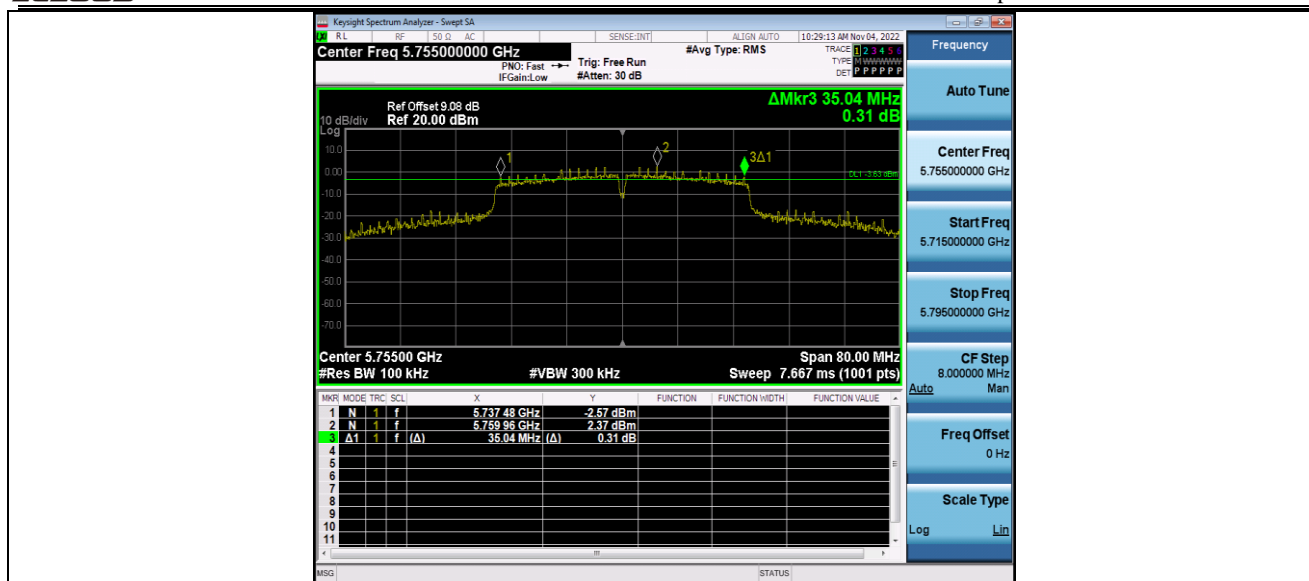
11N20MIMO_Ant1_5825



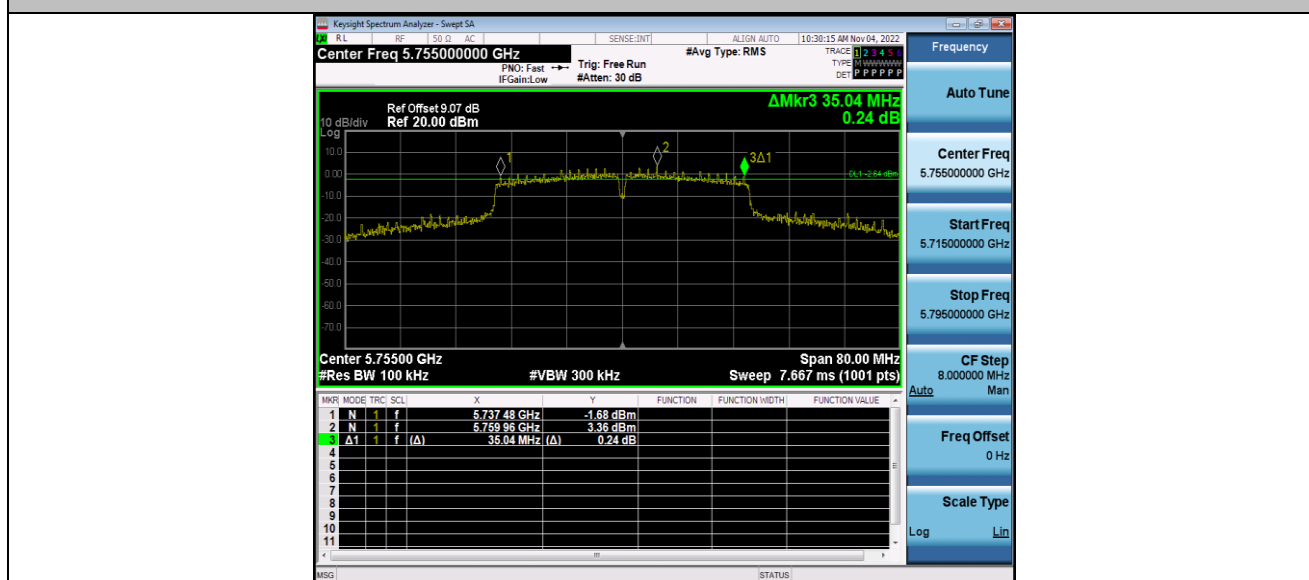
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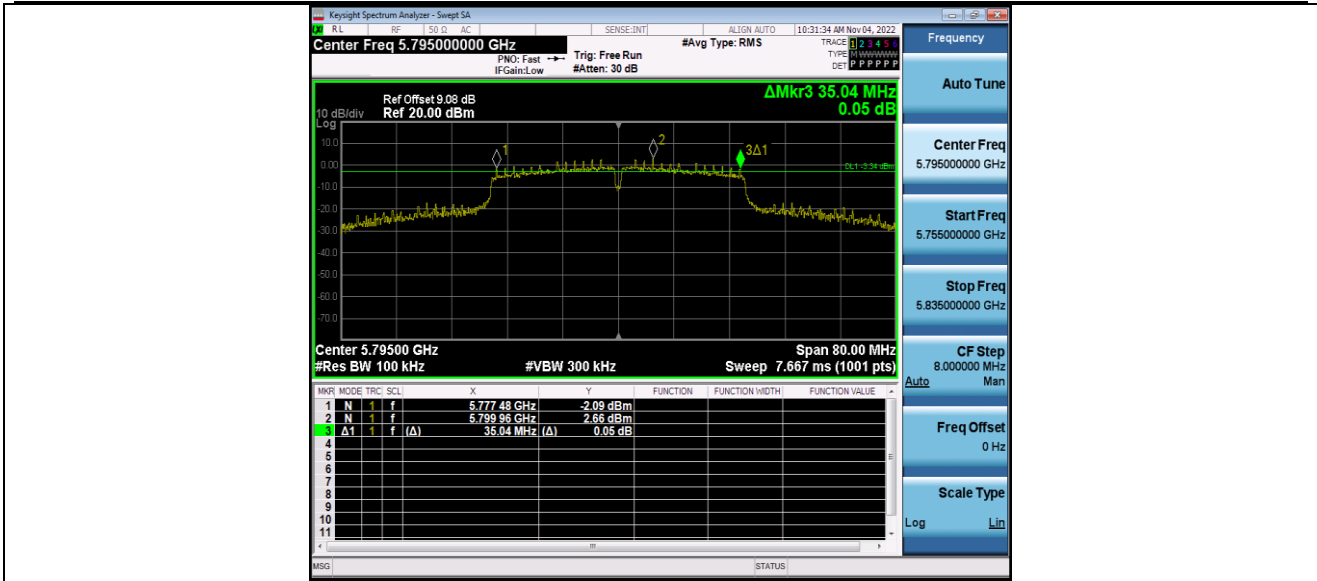
11N40MIMO_Ant1_5755



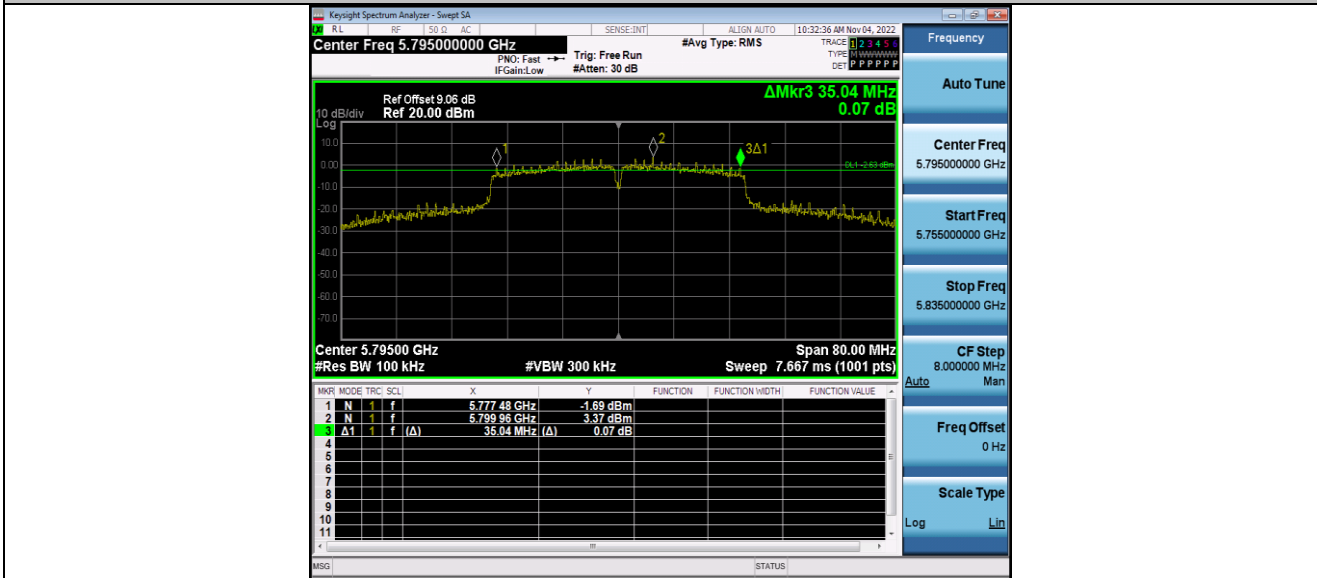
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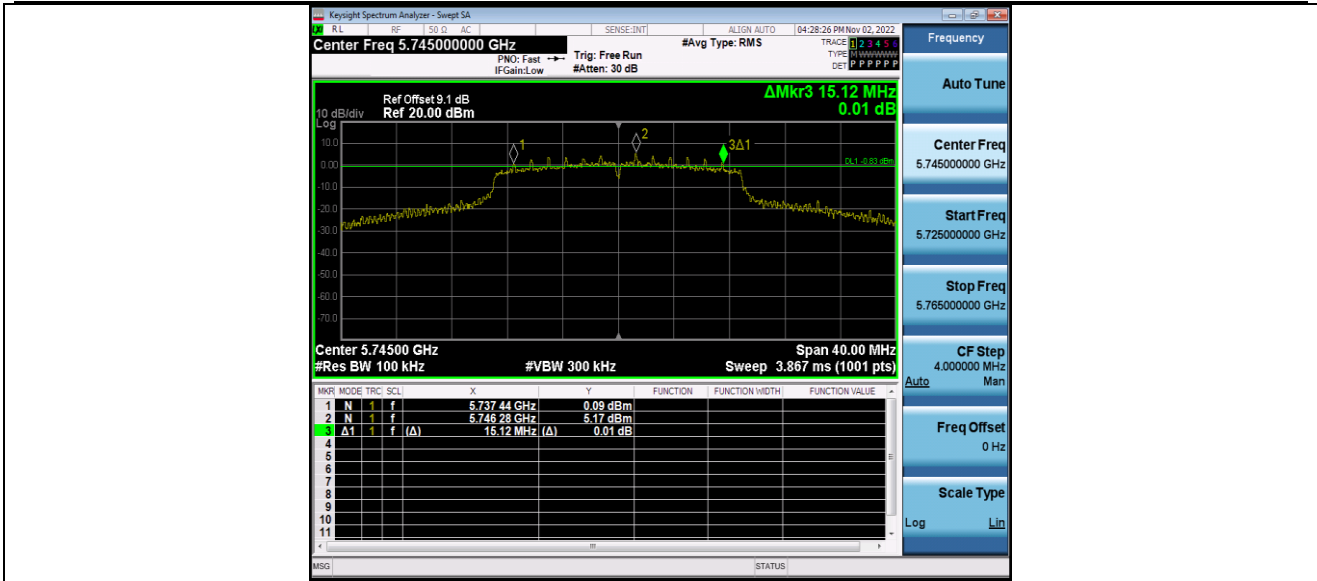
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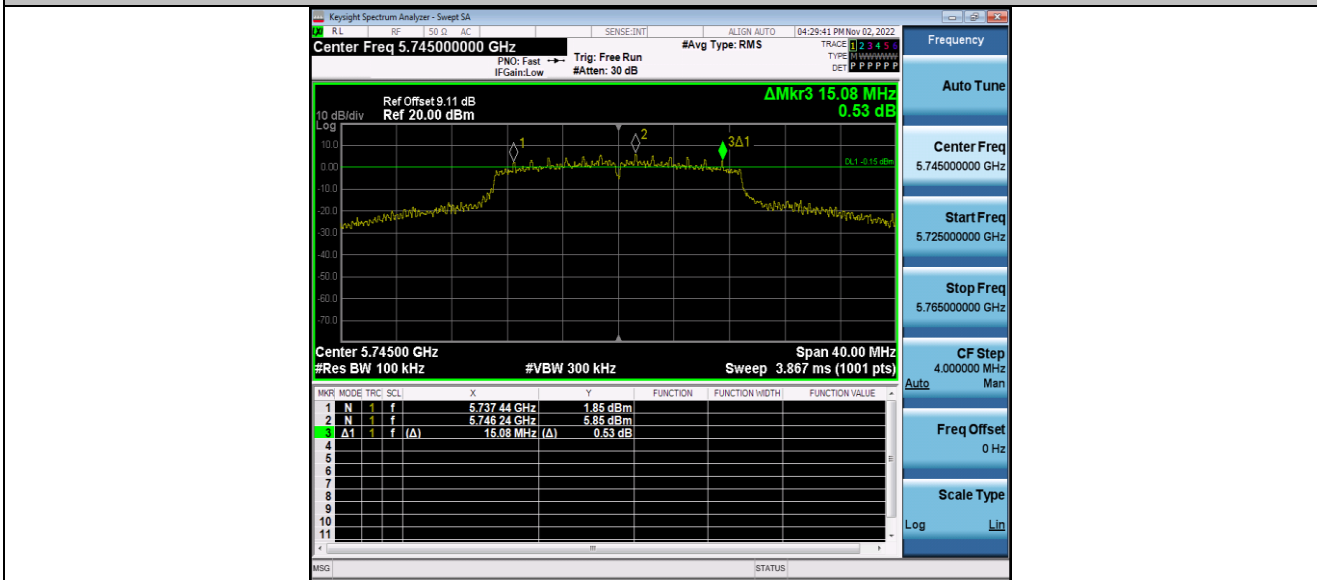
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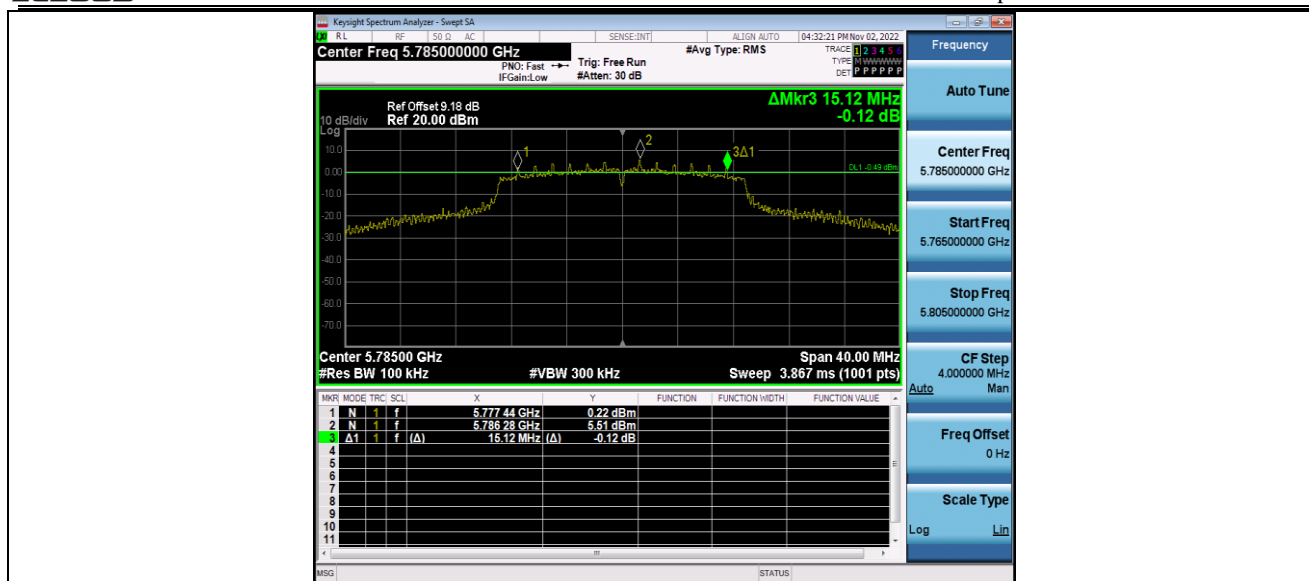
11AC20MIMO_Ant1_5745



11AC20MIMO_Ant2_5745



11AC20MIMO_Ant1_5785



11AC20MIMO_Ant2_5785



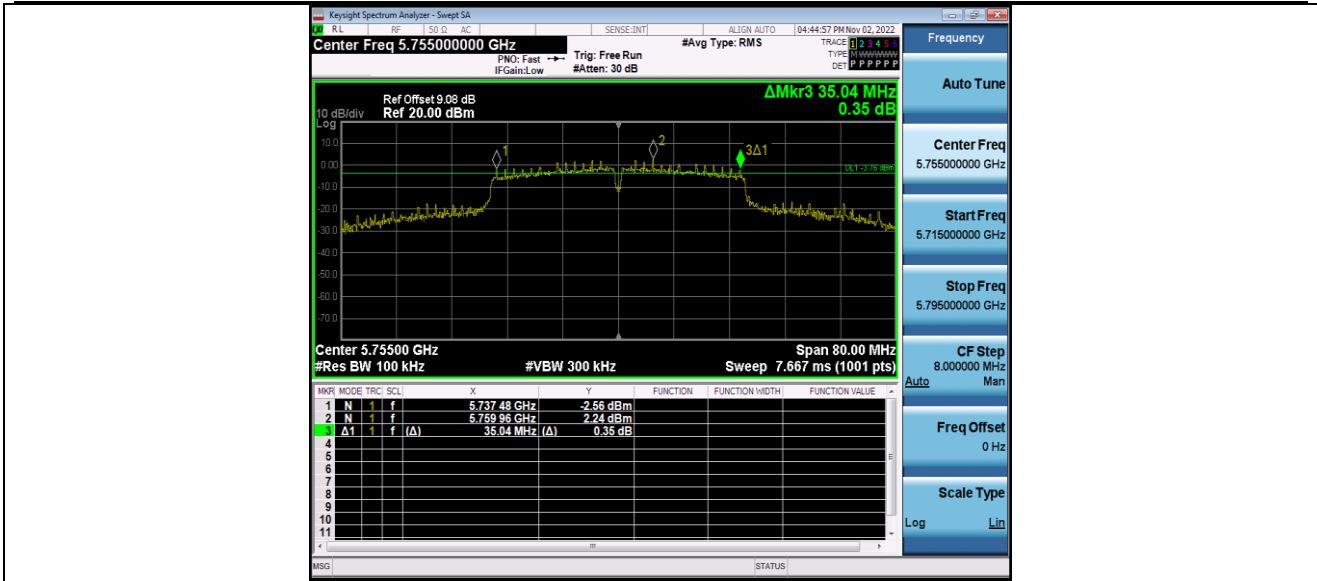
11AC20MIMO_Ant1_5825



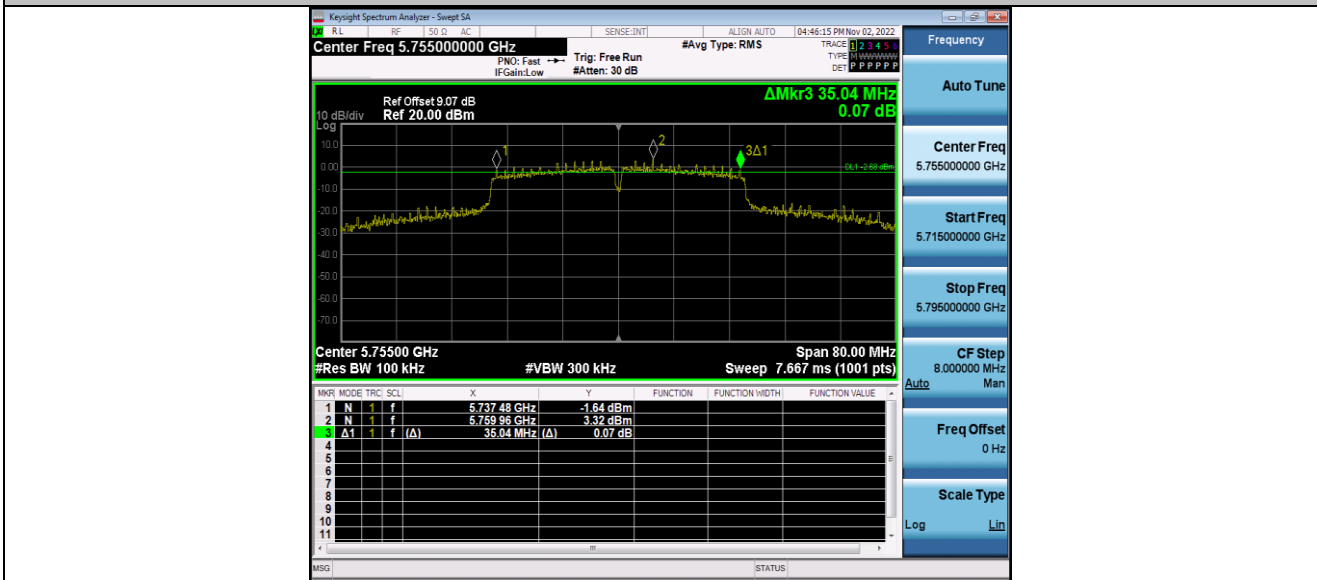
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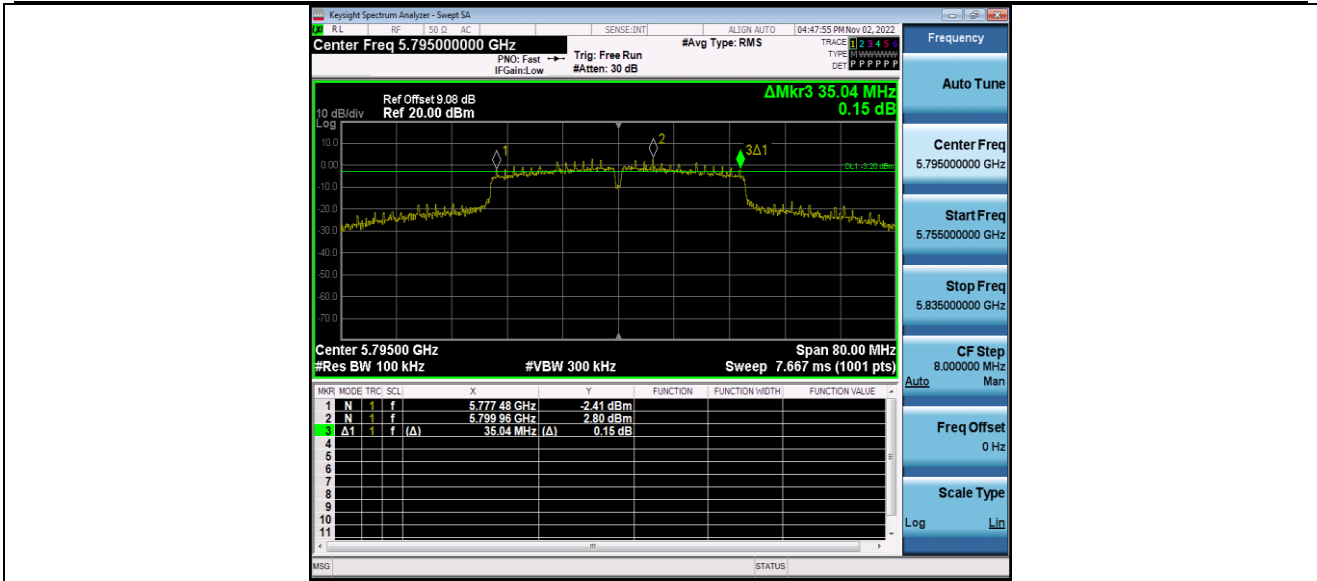
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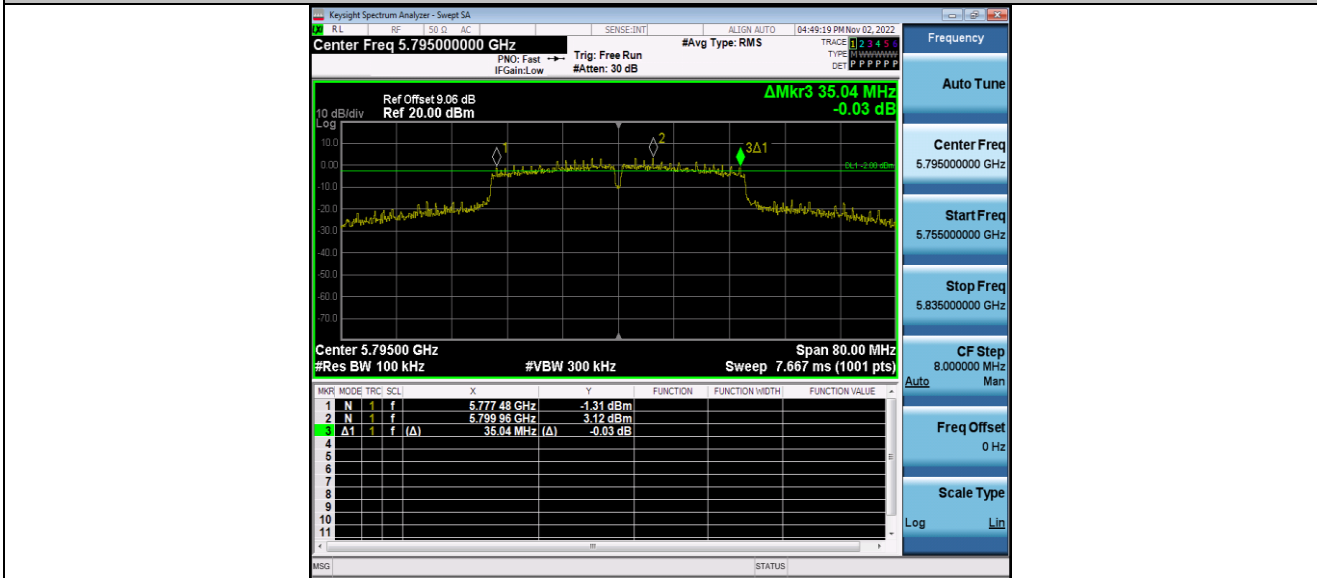
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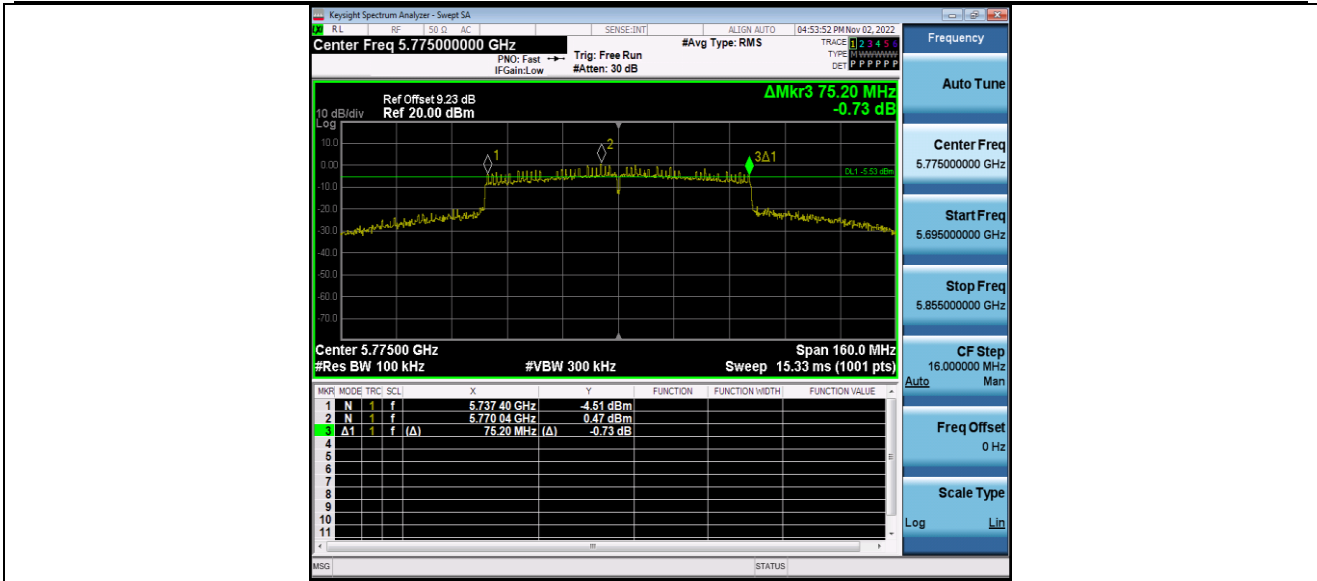
11AC40MIMO_Ant1_5795



11AC40MIMO_Ant2_5795



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775



Appendix B: Maximum conducted output power

Test Result

FCC

| TestMode | Antenna | Channel | Duty Cycle [%] | Duty Cycle Factor(dB) | Result[dBm] | Limit[dBm] | Verdict |
|-----------|---------|---------|----------------|-----------------------|-------------|------------|---------|
| 11A | Ant1 | 5180 | 95.86 | 0.18 | 17.12 | ≤23.98 | PASS |
| | Ant2 | 5180 | 95.86 | 0.18 | 17.06 | ≤23.98 | PASS |
| | Ant1 | 5220 | 95.86 | 0.18 | 17.56 | ≤23.98 | PASS |
| | Ant2 | 5220 | 95.86 | 0.18 | 17.41 | ≤23.98 | PASS |
| | Ant1 | 5240 | 95.86 | 0.18 | 17.66 | ≤23.98 | PASS |
| | Ant2 | 5240 | 95.86 | 0.18 | 17.63 | ≤23.98 | PASS |
| | Ant1 | 5745 | 95.86 | 0.18 | 13.6 | ≤30.00 | PASS |
| | Ant2 | 5745 | 95.86 | 0.18 | 14.46 | ≤30.00 | PASS |
| | Ant1 | 5785 | 95.86 | 0.18 | 14.1 | ≤30.00 | PASS |
| | Ant2 | 5785 | 95.86 | 0.18 | 14.42 | ≤30.00 | PASS |
| | Ant1 | 5825 | 95.86 | 0.18 | 14.12 | ≤30.00 | PASS |
| | Ant2 | 5825 | 95.86 | 0.18 | 14.38 | ≤30.00 | PASS |
| 11N20MIMO | Ant1 | 5180 | 94.89 | 0.23 | 14.57 | ≤23.98 | PASS |
| | Ant2 | 5180 | 94.89 | 0.23 | 15.69 | ≤23.98 | PASS |
| | total | 5180 | 94.89 | 0.23 | 18.18 | ≤23.98 | PASS |
| | Ant1 | 5220 | 94.89 | 0.23 | 14.99 | ≤23.98 | PASS |
| | Ant2 | 5220 | 94.89 | 0.23 | 15.8 | ≤23.98 | PASS |
| | total | 5220 | 94.89 | 0.23 | 18.42 | ≤23.98 | PASS |
| | Ant1 | 5240 | 94.89 | 0.23 | 15.06 | ≤23.98 | PASS |
| | Ant2 | 5240 | 94.89 | 0.23 | 15.78 | ≤23.98 | PASS |
| | total | 5240 | 94.89 | 0.23 | 18.45 | ≤23.98 | PASS |
| | Ant1 | 5745 | 94.89 | 0.23 | 13.53 | ≤30.00 | PASS |
| | Ant2 | 5745 | 94.89 | 0.23 | 14.37 | ≤30.00 | PASS |
| | total | 5745 | 94.89 | 0.23 | 16.98 | ≤30.00 | PASS |
| | Ant1 | 5785 | 94.89 | 0.23 | 13.96 | ≤30.00 | PASS |
| | Ant2 | 5785 | 94.89 | 0.23 | 14.38 | ≤30.00 | PASS |
| | total | 5785 | 94.89 | 0.23 | 17.19 | ≤30.00 | PASS |
| | Ant1 | 5825 | 94.89 | 0.23 | 13.59 | ≤30.00 | PASS |
| | Ant2 | 5825 | 94.89 | 0.23 | 13.94 | ≤30.00 | PASS |

| | | | | | | | |
|------------|-------|------|-------|------|-------|--------|------|
| | total | 5825 | 94.89 | 0.23 | 16.78 | ≤30.00 | PASS |
| 11N40MIMO | Ant1 | 5190 | 91.43 | 0.39 | 14.6 | ≤23.98 | PASS |
| | Ant2 | 5190 | 91.43 | 0.39 | 15.85 | ≤23.98 | PASS |
| | total | 5190 | 91.43 | 0.39 | 18.28 | ≤23.98 | PASS |
| | Ant1 | 5230 | 91.43 | 0.39 | 15.23 | ≤23.98 | PASS |
| | Ant2 | 5230 | 91.43 | 0.39 | 15.92 | ≤23.98 | PASS |
| | total | 5230 | 91.43 | 0.39 | 18.6 | ≤23.98 | PASS |
| | Ant1 | 5755 | 91.43 | 0.39 | 11.7 | ≤30.00 | PASS |
| | Ant2 | 5755 | 91.43 | 0.39 | 12.37 | ≤30.00 | PASS |
| | total | 5755 | 91.43 | 0.39 | 15.06 | ≤30.00 | PASS |
| | Ant1 | 5795 | 91.43 | 0.39 | 12.03 | ≤30.00 | PASS |
| | Ant2 | 5795 | 91.43 | 0.39 | 12.37 | ≤30.00 | PASS |
| | total | 5795 | 91.43 | 0.39 | 15.21 | ≤30.00 | PASS |
| 11AC20MIMO | Ant1 | 5180 | 90.67 | 0.43 | 14.7 | ≤23.98 | PASS |
| | Ant2 | 5180 | 90.67 | 0.43 | 15.74 | ≤23.98 | PASS |
| | total | 5180 | 90.67 | 0.43 | 18.26 | ≤23.98 | PASS |
| | Ant1 | 5220 | 90.67 | 0.43 | 15.16 | ≤23.98 | PASS |
| | Ant2 | 5220 | 90.67 | 0.43 | 15.87 | ≤23.98 | PASS |
| | total | 5220 | 90.67 | 0.43 | 18.54 | ≤23.98 | PASS |
| | Ant1 | 5240 | 90.67 | 0.43 | 15.2 | ≤23.98 | PASS |
| | Ant2 | 5240 | 90.67 | 0.43 | 15.93 | ≤23.98 | PASS |
| | total | 5240 | 90.67 | 0.43 | 18.59 | ≤23.98 | PASS |
| | Ant1 | 5745 | 90.67 | 0.43 | 13.19 | ≤30.00 | PASS |
| | Ant2 | 5745 | 90.67 | 0.43 | 13.9 | ≤30.00 | PASS |
| | total | 5745 | 90.67 | 0.43 | 16.57 | ≤30.00 | PASS |
| | Ant1 | 5785 | 90.67 | 0.43 | 13.59 | ≤30.00 | PASS |
| | Ant2 | 5785 | 90.67 | 0.43 | 13.93 | ≤30.00 | PASS |
| | total | 5785 | 90.67 | 0.43 | 16.77 | ≤30.00 | PASS |
| | Ant1 | 5825 | 90.67 | 0.43 | 13.7 | ≤30.00 | PASS |
| | Ant2 | 5825 | 90.67 | 0.43 | 13.8 | ≤30.00 | PASS |
| | total | 5825 | 90.67 | 0.43 | 16.76 | ≤30.00 | PASS |
| 11AC40MIMO | Ant1 | 5190 | 85.37 | 0.69 | 14.75 | ≤23.98 | PASS |
| | Ant2 | 5190 | 85.37 | 0.69 | 16.06 | ≤23.98 | PASS |
| | total | 5190 | 85.37 | 0.69 | 18.46 | ≤23.98 | PASS |
| | Ant1 | 5230 | 85.37 | 0.69 | 15.32 | ≤23.98 | PASS |

| | | | | | | | |
|------------|-------|------|-------|------|-------|--------|------|
| | Ant2 | 5230 | 85.37 | 0.69 | 16.06 | ≤23.98 | PASS |
| | total | 5230 | 85.37 | 0.69 | 18.72 | ≤23.98 | PASS |
| | Ant1 | 5755 | 85.37 | 0.69 | 11.27 | ≤30.00 | PASS |
| | Ant2 | 5755 | 85.37 | 0.69 | 11.86 | ≤30.00 | PASS |
| | total | 5755 | 85.37 | 0.69 | 14.59 | ≤30.00 | PASS |
| | Ant1 | 5795 | 85.37 | 0.69 | 11.5 | ≤30.00 | PASS |
| | Ant2 | 5795 | 85.37 | 0.69 | 11.84 | ≤30.00 | PASS |
| | total | 5795 | 85.37 | 0.69 | 14.68 | ≤30.00 | PASS |
| 11AC80MIMO | Ant1 | 5210 | 75 | 1.25 | 14.84 | ≤23.98 | PASS |
| | Ant2 | 5210 | 75 | 1.25 | 15.98 | ≤23.98 | PASS |
| | total | 5210 | 75 | 1.25 | 18.46 | ≤23.98 | PASS |
| | Ant1 | 5775 | 75 | 1.25 | 11.16 | ≤30.00 | PASS |
| | Ant2 | 5775 | 75 | 1.25 | 11.65 | ≤30.00 | PASS |
| | total | 5775 | 75 | 1.25 | 14.42 | ≤30.00 | PASS |

Note: The Duty Cycle Factor is compensated in the graph.

IC

| Test Mode | Antenna | Channel | Duty Cycle [%] | Duty Cycle Factor(dB) | Power[dBm] | Limit[dBm] | EIRP[dBm] | EIRP Limit[dBm] | Verdict |
|-----------|---------|---------|----------------|-----------------------|------------|------------|-----------|-----------------|---------|
| 11A | Ant1 | 5180 | 95.86 | 0.18 | 17.12 | --- | 17.14 | 22.55 | PASS |
| | Ant2 | 5180 | 95.86 | 0.18 | 17.06 | --- | 17.08 | 22.33 | PASS |
| | Ant1 | 5220 | 95.86 | 0.18 | 17.56 | --- | 17.58 | 22.57 | PASS |
| | Ant2 | 5220 | 95.86 | 0.18 | 17.41 | --- | 17.43 | 22.33 | PASS |
| | Ant1 | 5240 | 95.86 | 0.18 | 17.66 | --- | 17.68 | 22.61 | PASS |
| | Ant2 | 5240 | 95.86 | 0.18 | 17.63 | --- | 17.65 | 22.35 | PASS |
| | Ant1 | 5745 | 95.86 | 0.18 | 13.6 | 30.00 | 13.62 | --- | PASS |
| | Ant2 | 5745 | 95.86 | 0.18 | 14.46 | 30.00 | 14.48 | --- | PASS |
| | Ant1 | 5785 | 95.86 | 0.18 | 14.1 | 30.00 | 14.12 | --- | PASS |
| | Ant2 | 5785 | 95.86 | 0.18 | 14.42 | 30.00 | 14.44 | --- | PASS |
| | Ant1 | 5825 | 95.86 | 0.18 | 14.12 | 30.00 | 14.14 | --- | PASS |
| | Ant2 | 5825 | 95.86 | 0.18 | 14.38 | 30.00 | 14.4 | --- | PASS |
| 11N20MIMO | Ant1 | 5180 | 94.89 | 0.23 | 14.57 | --- | 14.59 | 22.55 | PASS |
| | Ant2 | 5180 | 94.89 | 0.23 | 15.69 | --- | 15.71 | 22.49 | PASS |
| | total | 5180 | 94.89 | 0.23 | 18.18 | --- | 18.2 | 22.55 | PASS |

| | | | | | | | | | |
|-----------|-------|------|-----------|------|-------|-----|-------|-------|------|
| | Ant1 | 5220 | 94.8 9 | 0.23 | 14.99 | --- | 15.01 | 22.55 | PASS |
| | Ant2 | 5220 | 94.8 9 | 0.23 | 15.8 | --- | 15.82 | 22.50 | PASS |
| | total | 5220 | 94.8 9 | 0.23 | 18.42 | --- | 18.44 | 22.55 | PASS |
| | Ant1 | 5240 | 94.8 9 | 0.23 | 15.06 | --- | 15.08 | 22.57 | PASS |
| | Ant2 | 5240 | 94.8 9 | 0.23 | 15.78 | --- | 15.8 | 22.49 | PASS |
| | total | 5240 | 94.8 9 | 0.23 | 18.45 | --- | 18.47 | 22.57 | PASS |
| | Ant1 | 5745 | 94.8 9 | 0.23 | 13.53 | 30 | 13.55 | --- | PASS |
| | Ant2 | 5745 | 94.8 9 | 0.23 | 14.37 | 30 | 14.39 | --- | PASS |
| | total | 5745 | 94.8 9 | 0.23 | 16.98 | 30 | 17 | --- | PASS |
| | Ant1 | 5785 | 94.8 9 | 0.23 | 13.96 | 30 | 13.98 | --- | PASS |
| | Ant2 | 5785 | 94.8 9 | 0.23 | 14.38 | 30 | 14.4 | --- | PASS |
| | total | 5785 | 94.8 9 | 0.23 | 17.19 | 30 | 17.21 | --- | PASS |
| | Ant1 | 5825 | 94.8 9 | 0.23 | 13.59 | 30 | 13.61 | --- | PASS |
| | Ant2 | 5825 | 94.8 9 | 0.23 | 13.94 | 30 | 13.96 | --- | PASS |
| | total | 5825 | 94.8 9 | 0.23 | 16.78 | 30 | 16.8 | --- | PASS |
| 11N40MIMO | Ant1 | 5190 | 91.4 3 | 0.39 | 14.6 | --- | 14.62 | 23.01 | PASS |
| | Ant2 | 5190 | 91.4 3 | 0.39 | 15.85 | --- | 15.87 | 23.01 | PASS |
| | total | 5190 | 91.4 3 | 0.39 | 18.28 | --- | 18.3 | 23.01 | PASS |

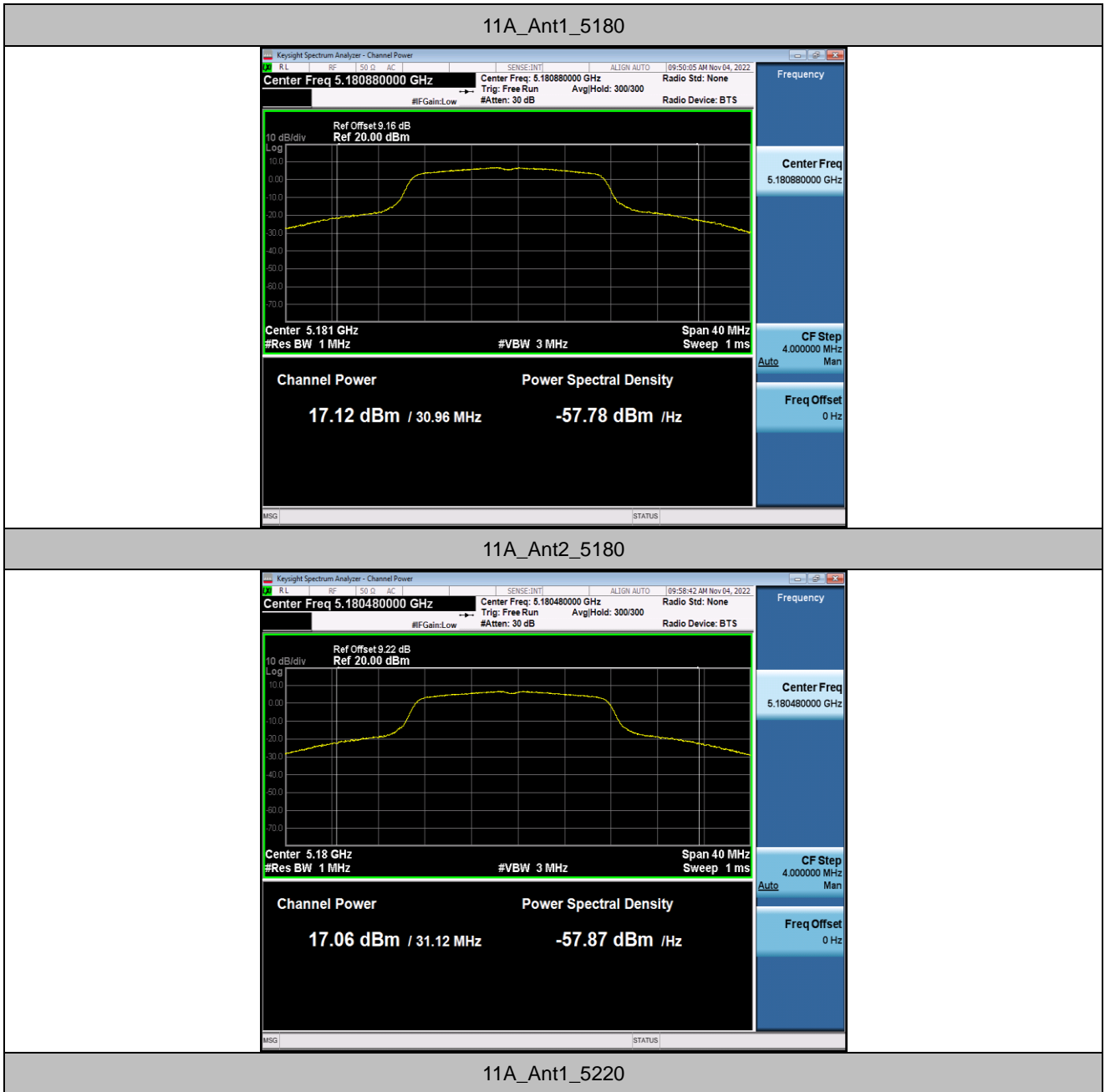
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| | Ant1 | 5230 | 91.4 3 | 0.39 | 15.23 | --- | 15.25 | 23.01 | PASS |
| | Ant2 | 5230 | 91.4 3 | 0.39 | 15.92 | --- | 15.94 | 23.01 | PASS |
| | total | 5230 | 91.4 3 | 0.39 | 18.6 | --- | 18.62 | 23.01 | PASS |
| | Ant1 | 5755 | 91.4 3 | 0.39 | 11.7 | 30.00 | 11.72 | --- | PASS |
| | Ant2 | 5755 | 91.4 3 | 0.39 | 12.37 | 30.00 | 12.39 | --- | PASS |
| | total | 5755 | 91.4 3 | 0.39 | 15.06 | 30.00 | 15.08 | --- | PASS |
| | Ant1 | 5795 | 91.4 3 | 0.39 | 12.03 | 30.00 | 12.05 | --- | PASS |
| | Ant2 | 5795 | 91.4 3 | 0.39 | 12.37 | 30.00 | 12.39 | --- | PASS |
| | total | 5795 | 91.4 3 | 0.39 | 15.21 | 30.00 | 15.23 | --- | PASS |
| 11AC20MIM O | Ant1 | 5180 | 90.6 7 | 0.43 | 14.7 | --- | 14.72 | 22.56 | PASS |
| | Ant2 | 5180 | 90.6 7 | 0.43 | 15.74 | --- | 15.76 | 22.49 | PASS |
| | total | 5180 | 90.6 7 | 0.43 | 18.26 | --- | 18.28 | 22.56 | PASS |
| | Ant1 | 5220 | 90.6 7 | 0.43 | 15.16 | --- | 15.18 | 22.55 | PASS |
| | Ant2 | 5220 | 90.6 7 | 0.43 | 15.87 | --- | 15.89 | 22.49 | PASS |
| | total | 5220 | 90.6 7 | 0.43 | 18.54 | --- | 18.56 | 22.55 | PASS |
| | Ant1 | 5240 | 90.6 7 | 0.43 | 15.2 | --- | 15.22 | 22.57 | PASS |
| | Ant2 | 5240 | 90.6 7 | 0.43 | 15.93 | --- | 15.95 | 22.49 | PASS |
| | total | 5240 | 90.6 7 | 0.43 | 18.59 | --- | 18.61 | 22.57 | PASS |

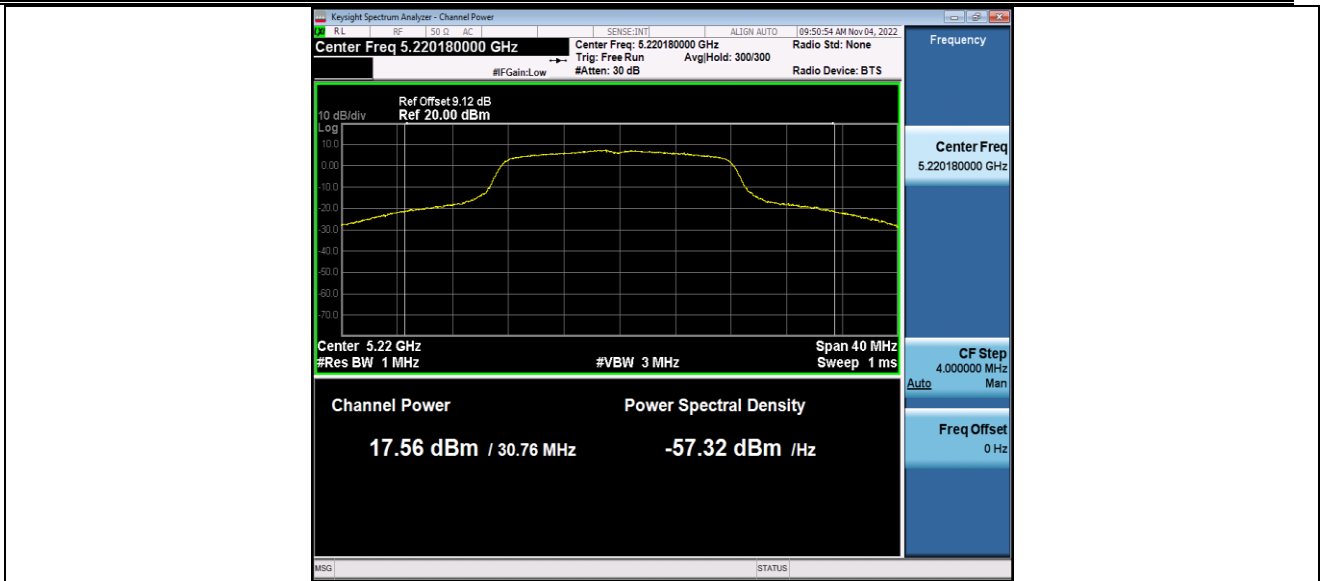
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|----------------|-------|------|-----------|------|-------|-----|-------|-------|------|
| | Ant1 | 5745 | 90.6 7 | 0.43 | 13.19 | 30 | 13.21 | --- | PASS |
| | Ant2 | 5745 | 90.6 7 | 0.43 | 13.9 | 30 | 13.92 | --- | PASS |
| | total | 5745 | 90.6 7 | 0.43 | 16.57 | 30 | 16.59 | --- | PASS |
| | Ant1 | 5785 | 90.6 7 | 0.43 | 13.59 | 30 | 13.61 | --- | PASS |
| | Ant2 | 5785 | 90.6 7 | 0.43 | 13.93 | 30 | 13.95 | --- | PASS |
| | total | 5785 | 90.6 7 | 0.43 | 16.77 | 30 | 16.79 | --- | PASS |
| | Ant1 | 5825 | 90.6 7 | 0.43 | 13.7 | 30 | 13.72 | --- | PASS |
| | Ant2 | 5825 | 90.6 7 | 0.43 | 13.8 | 30 | 13.82 | --- | PASS |
| | total | 5825 | 90.6 7 | 0.43 | 16.76 | 30 | 16.78 | --- | PASS |
| 11AC40MIM O | Ant1 | 5190 | 85.3 7 | 0.69 | 14.75 | --- | 14.77 | 23.01 | PASS |
| | Ant2 | 5190 | 85.3 7 | 0.69 | 16.06 | --- | 16.08 | 23.01 | PASS |
| | total | 5190 | 85.3 7 | 0.69 | 18.46 | --- | 18.48 | 23.01 | PASS |
| | Ant1 | 5230 | 85.3 7 | 0.69 | 15.32 | --- | 15.34 | 23.01 | PASS |
| | Ant2 | 5230 | 85.3 7 | 0.69 | 16.06 | --- | 16.08 | 23.01 | PASS |
| | total | 5230 | 85.3 7 | 0.69 | 18.72 | --- | 18.74 | 23.01 | PASS |
| | Ant1 | 5755 | 85.3 7 | 0.69 | 11.27 | 30 | 11.29 | --- | PASS |
| | Ant2 | 5755 | 85.3 7 | 0.69 | 11.86 | 30 | 11.88 | --- | PASS |
| | total | 5755 | 85.3 7 | 0.69 | 14.59 | 30 | 14.61 | --- | PASS |

| | | | | | | | | | |
|----------------|-------|------|-----------|------|-------|-----|-------|-------|------|
| | Ant1 | 5795 | 85.3 7 | 0.69 | 11.5 | 30 | 11.52 | --- | PASS |
| | Ant2 | 5795 | 85.3 7 | 0.69 | 11.84 | 30 | 11.86 | --- | PASS |
| | total | 5795 | 85.3 7 | 0.69 | 14.68 | 30 | 14.7 | --- | PASS |
| 11AC80MIM O | Ant1 | 5210 | 75 | 1.25 | 14.84 | --- | 14.86 | 23.01 | PASS |
| | Ant2 | 5210 | 75 | 1.25 | 15.98 | --- | 16 | 23.01 | PASS |
| | total | 5210 | 75 | 1.25 | 18.46 | --- | 18.48 | 23.01 | PASS |
| | Ant1 | 5775 | 75 | 1.25 | 11.16 | 30 | 11.18 | --- | PASS |
| | Ant2 | 5775 | 75 | 1.25 | 11.65 | 30 | 11.67 | --- | PASS |
| | total | 5775 | 75 | 1.25 | 14.42 | 30 | 14.44 | --- | PASS |

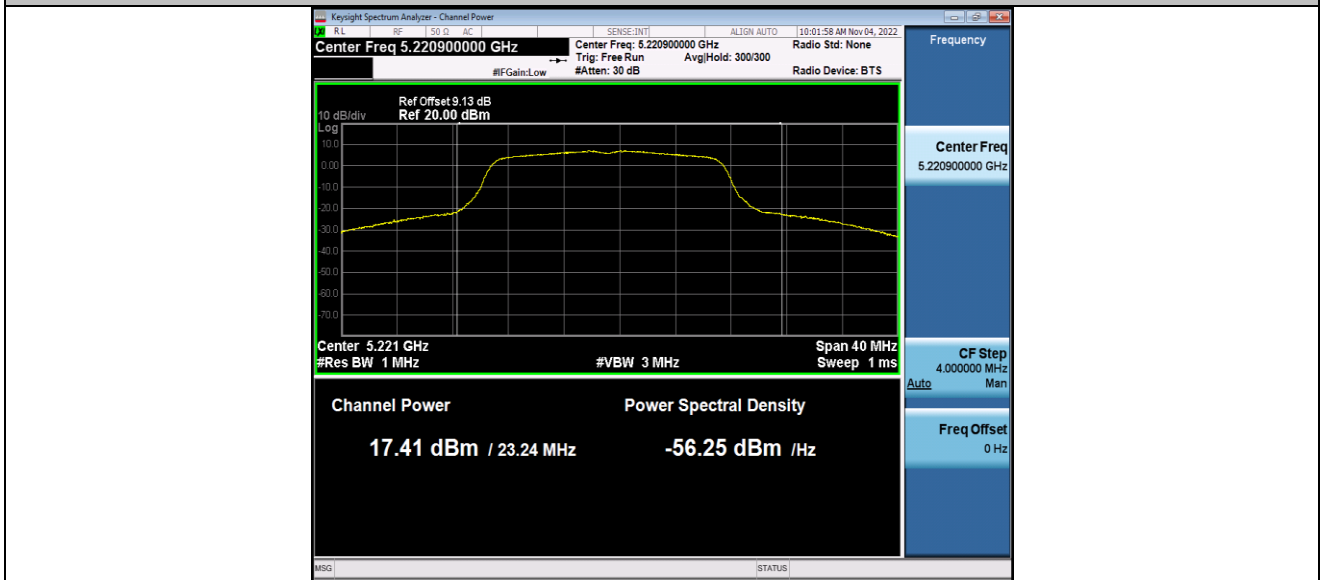
Note: The Duty Cycle Factor is compensated in the graph.

Test Graphs

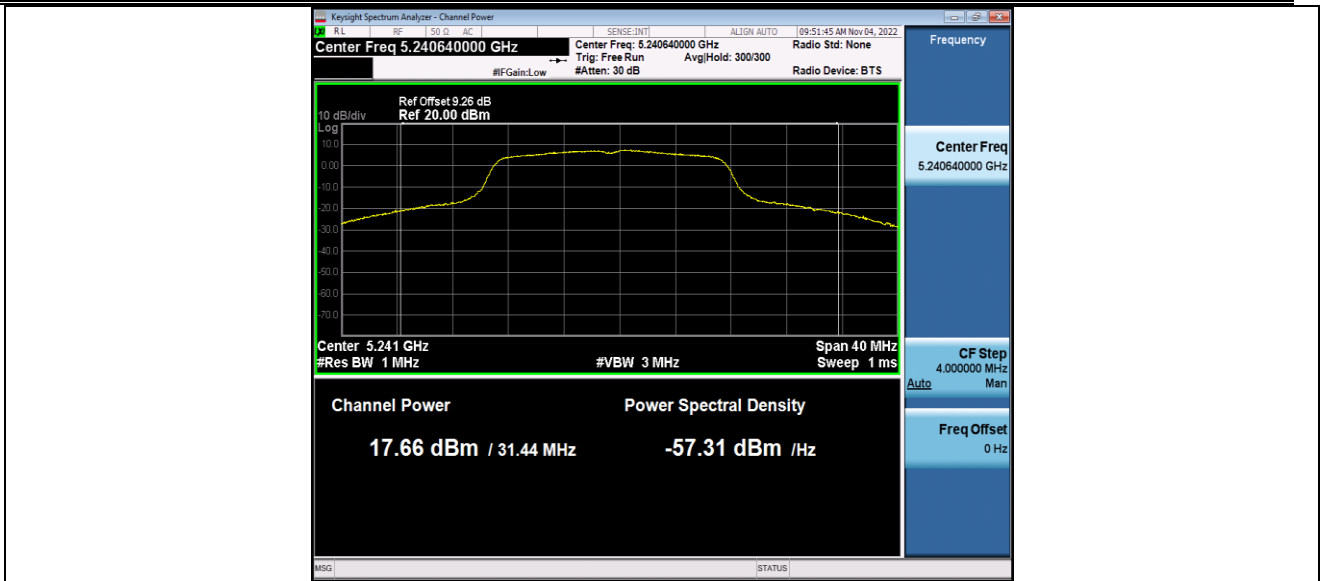




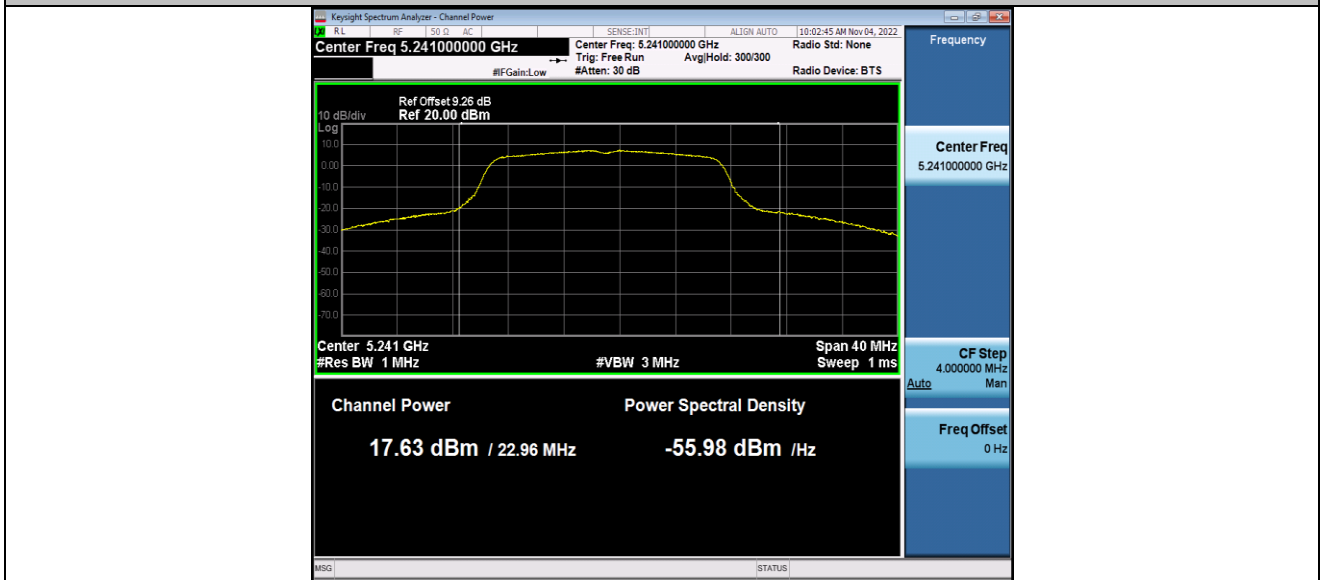
11A_Ant2_5220



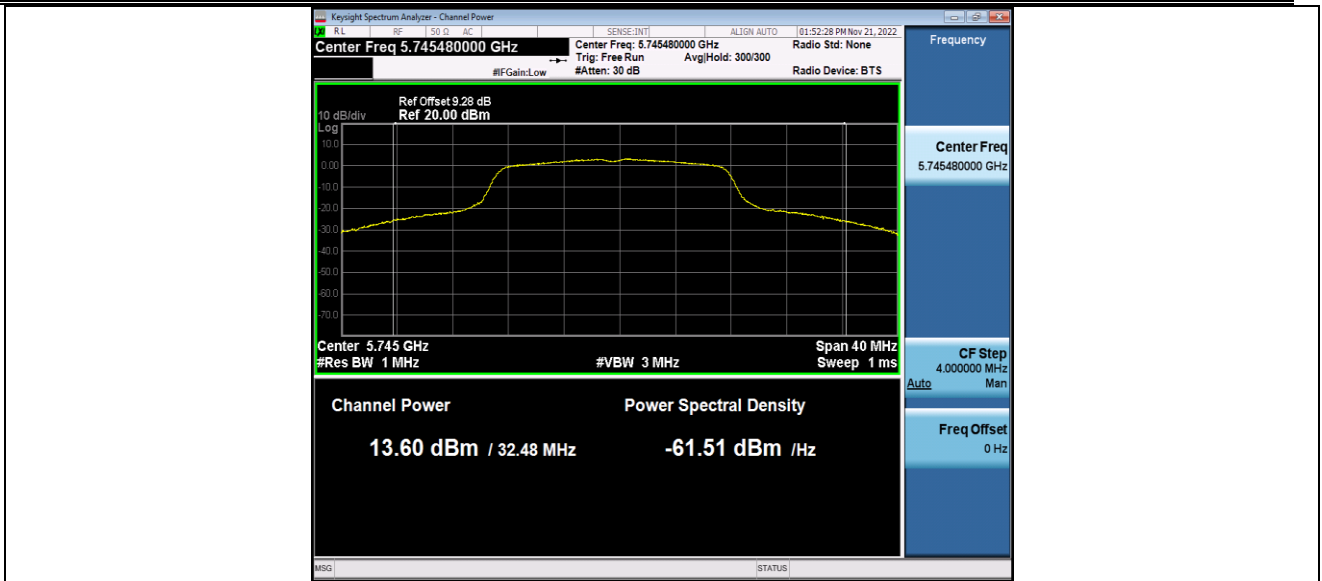
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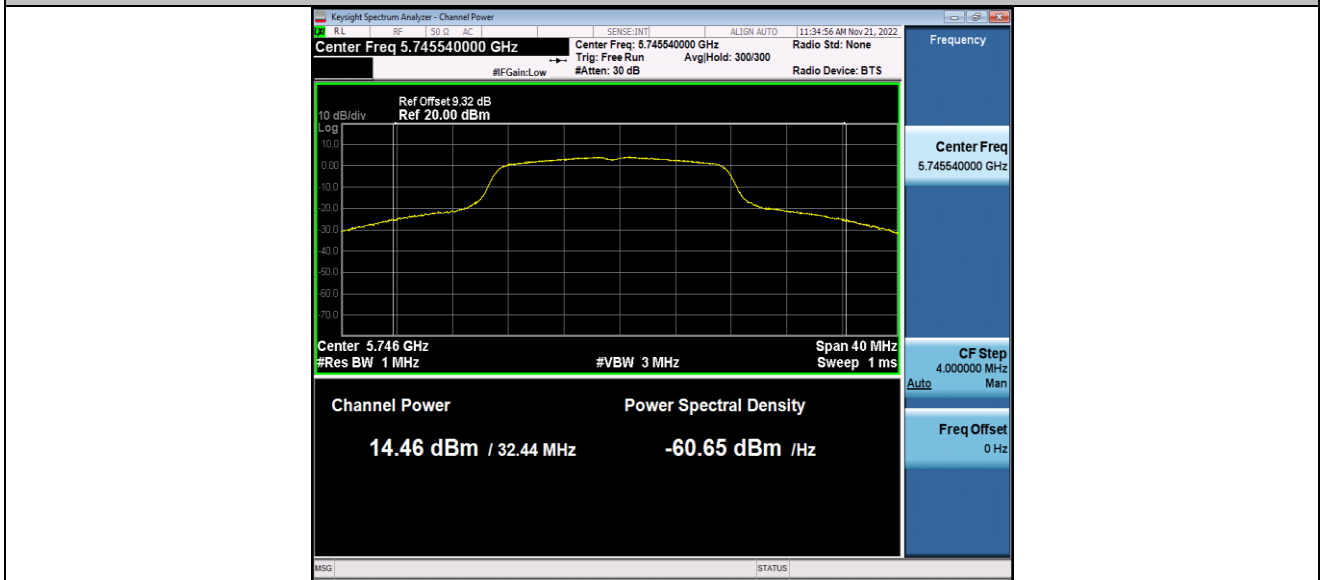
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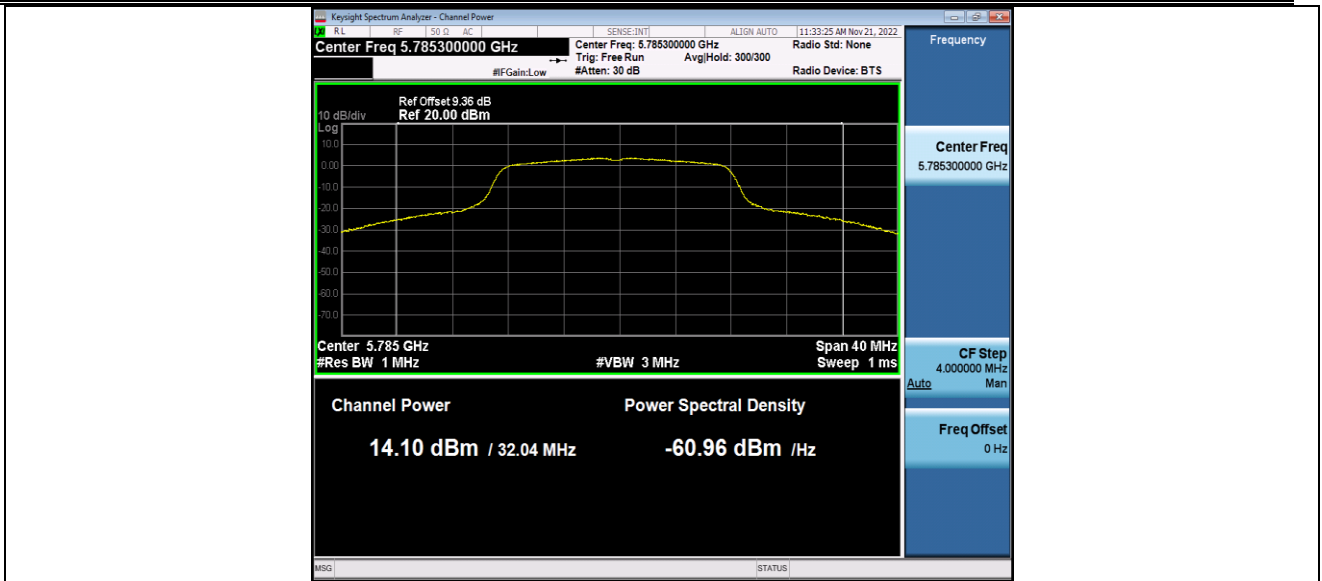
11A_Ant1_5745



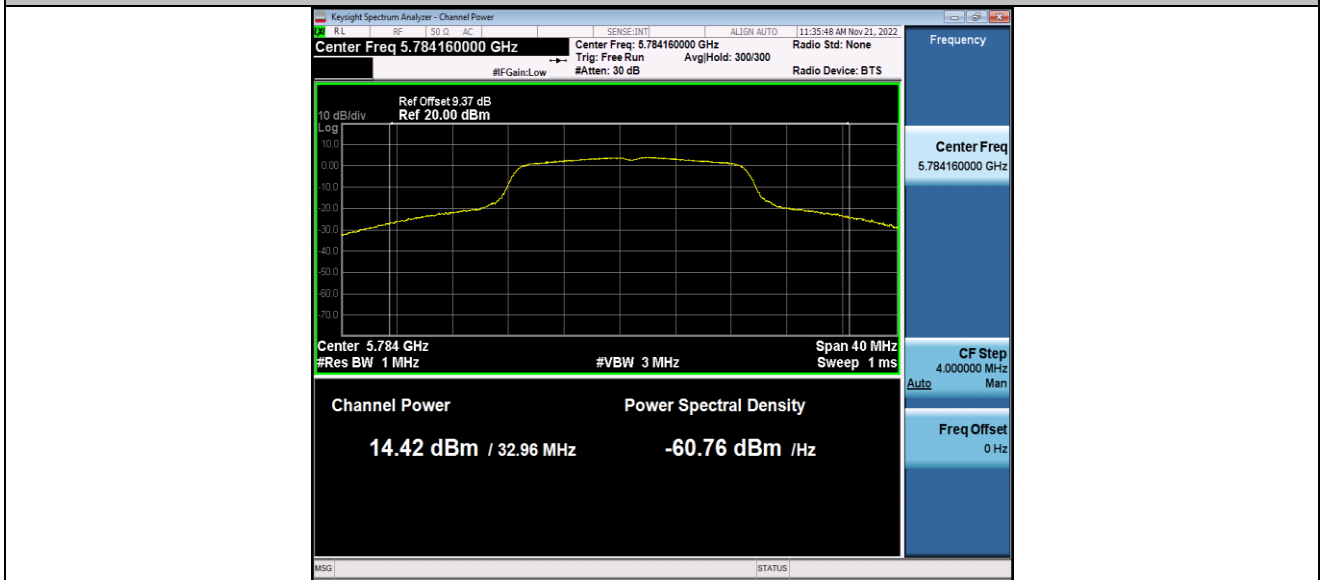
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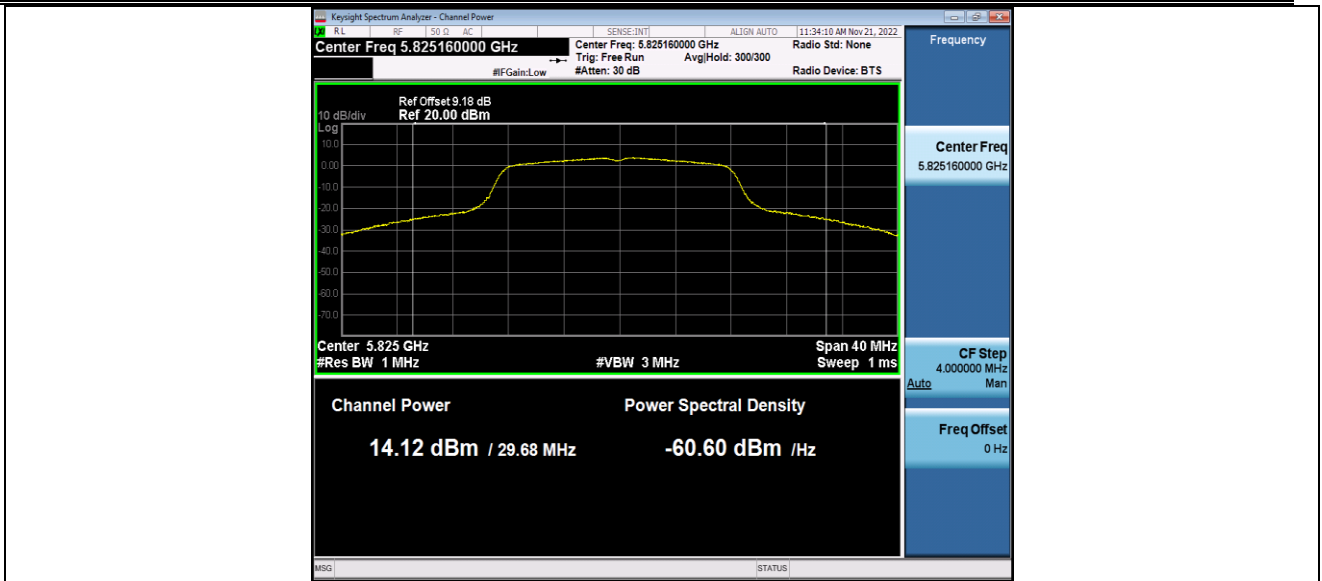
11A_Ant1_5785



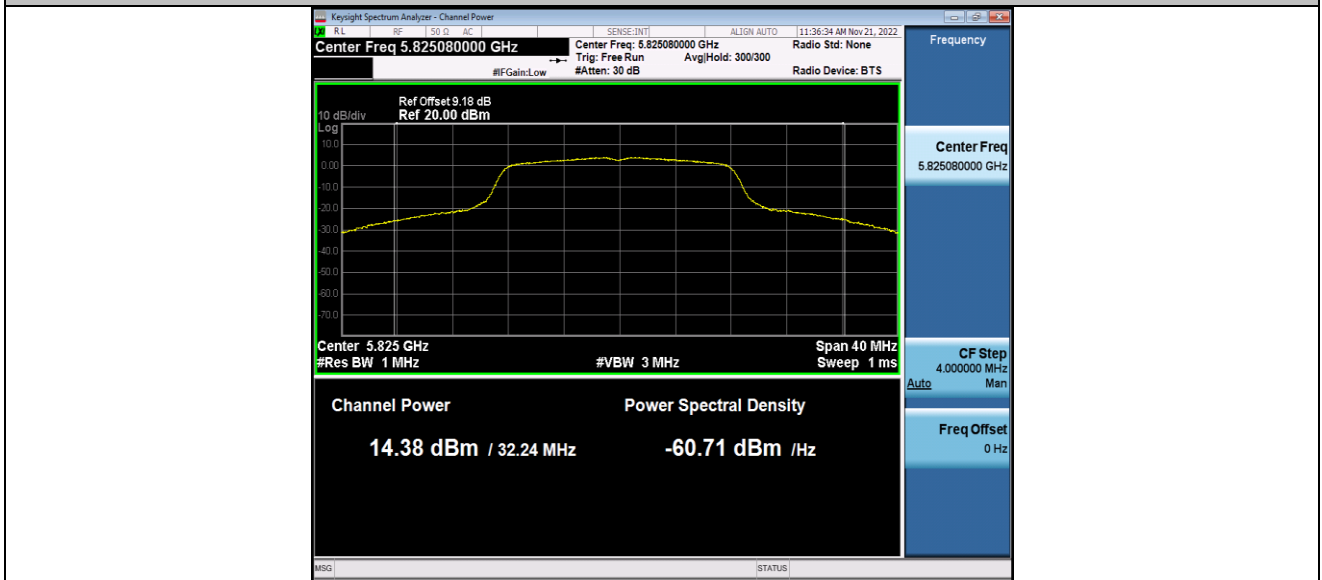
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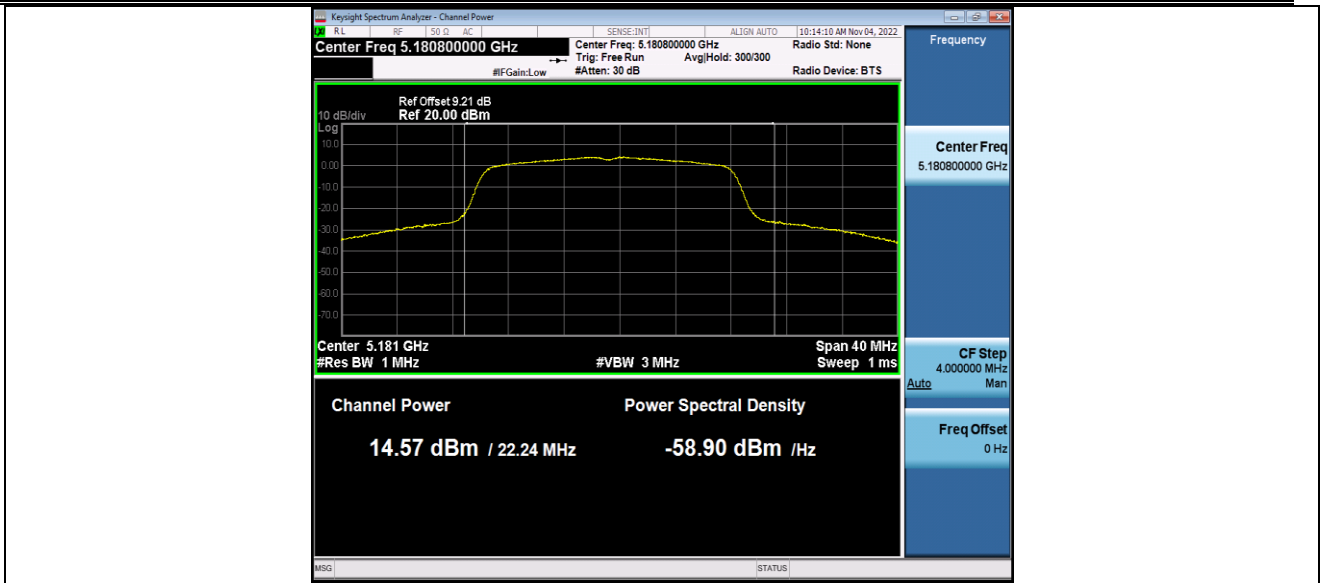
11A_Ant1_5825



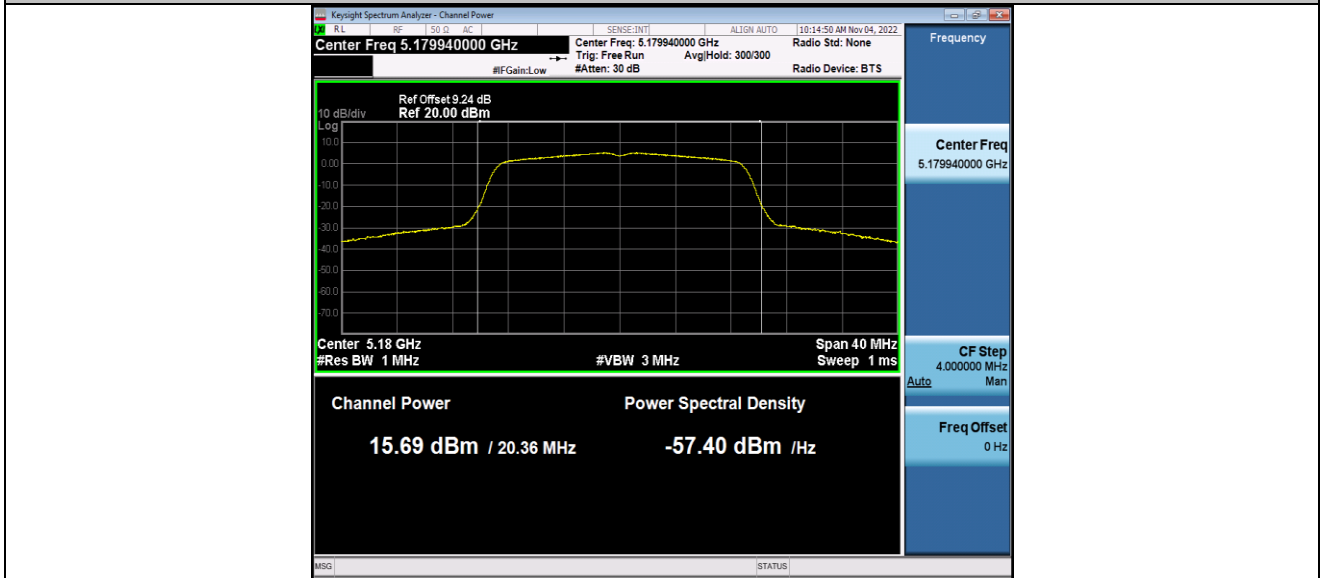
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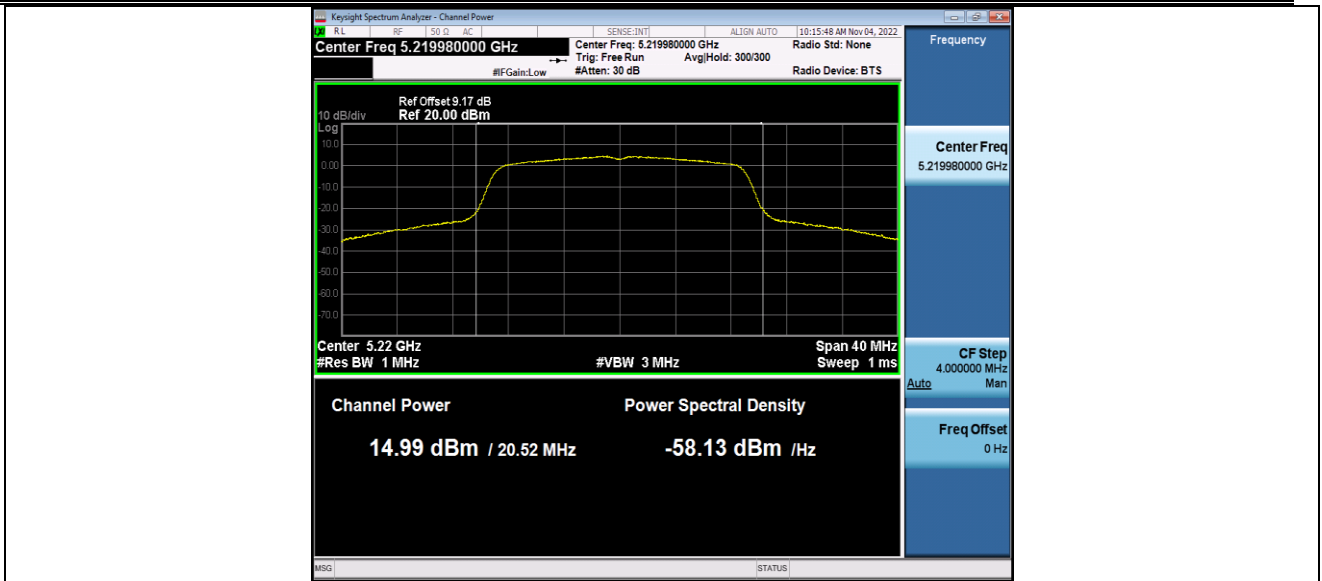
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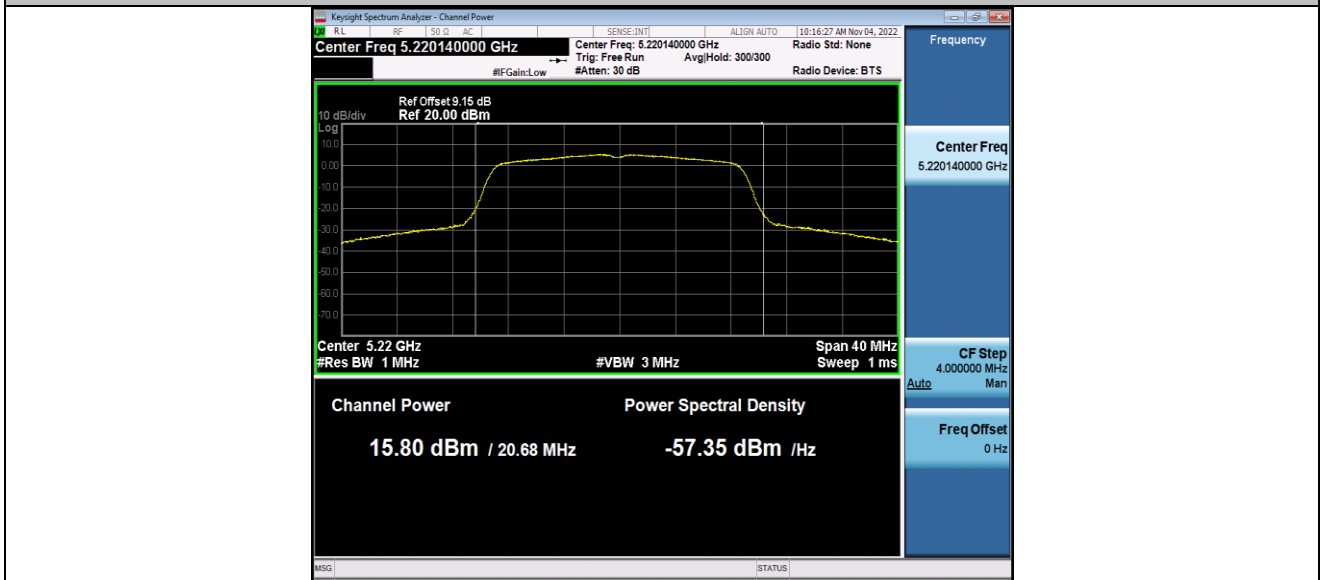
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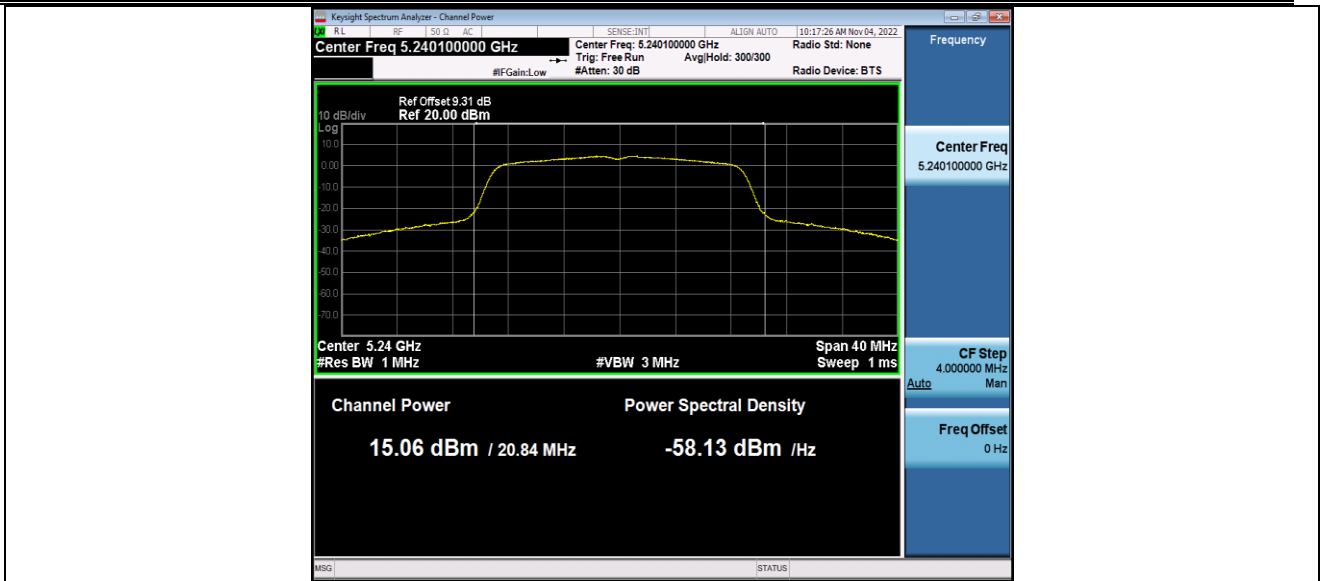
11N20MIMO_Ant1_5220



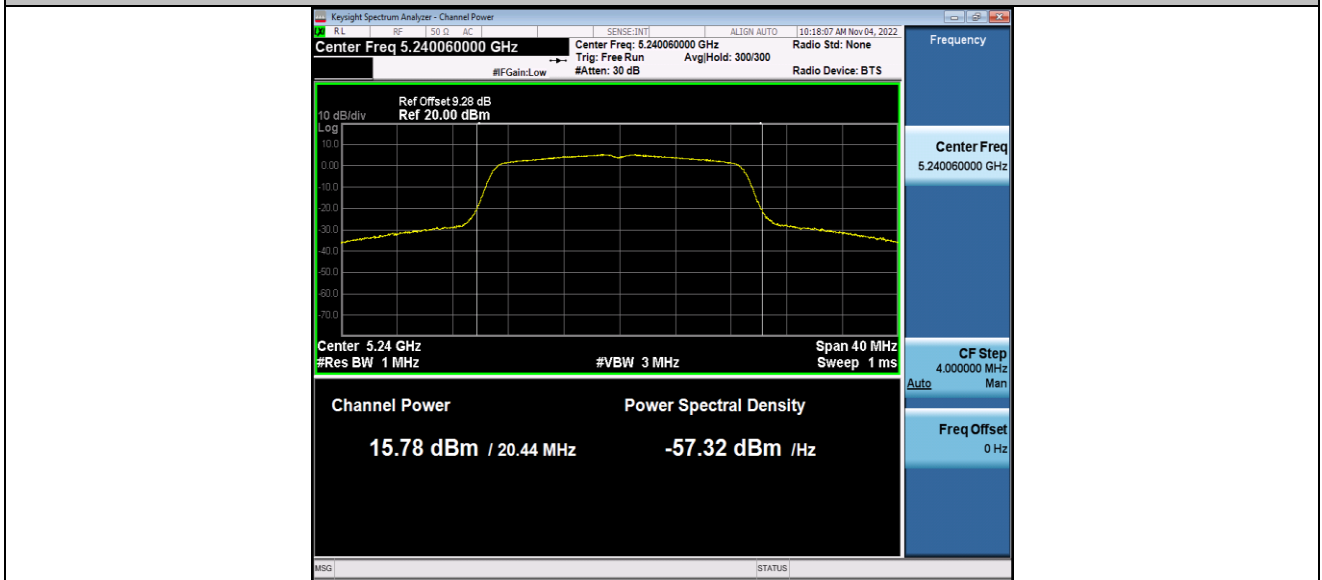
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11N20MIMO_Ant1_5240



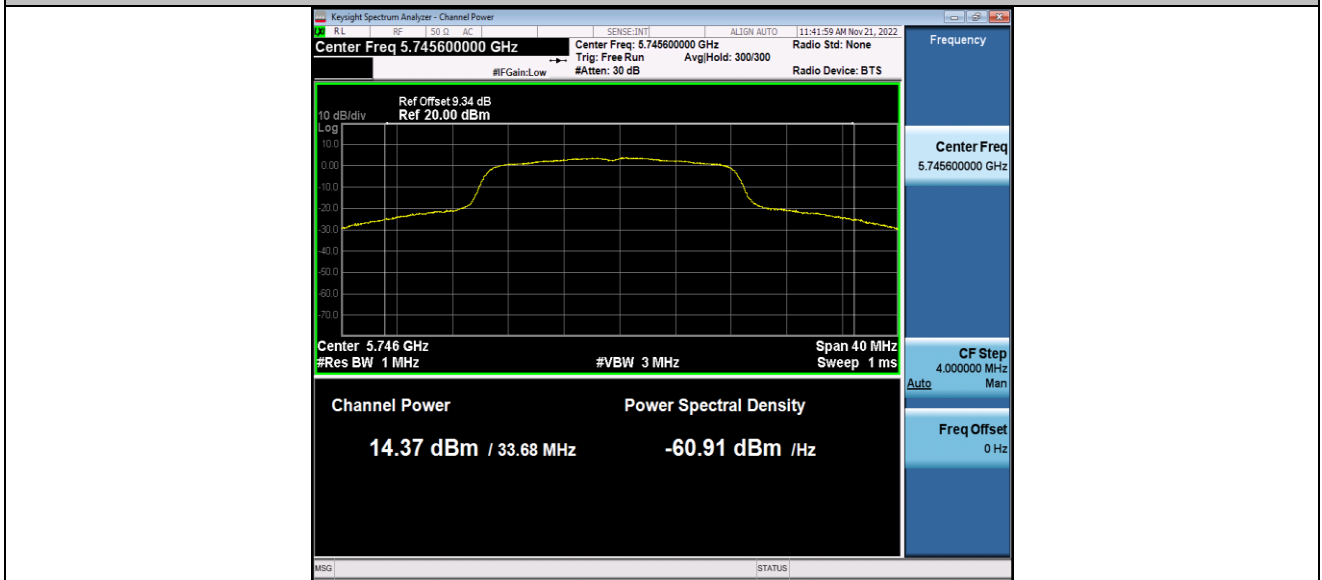
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11N20MIMO_Ant1_5745



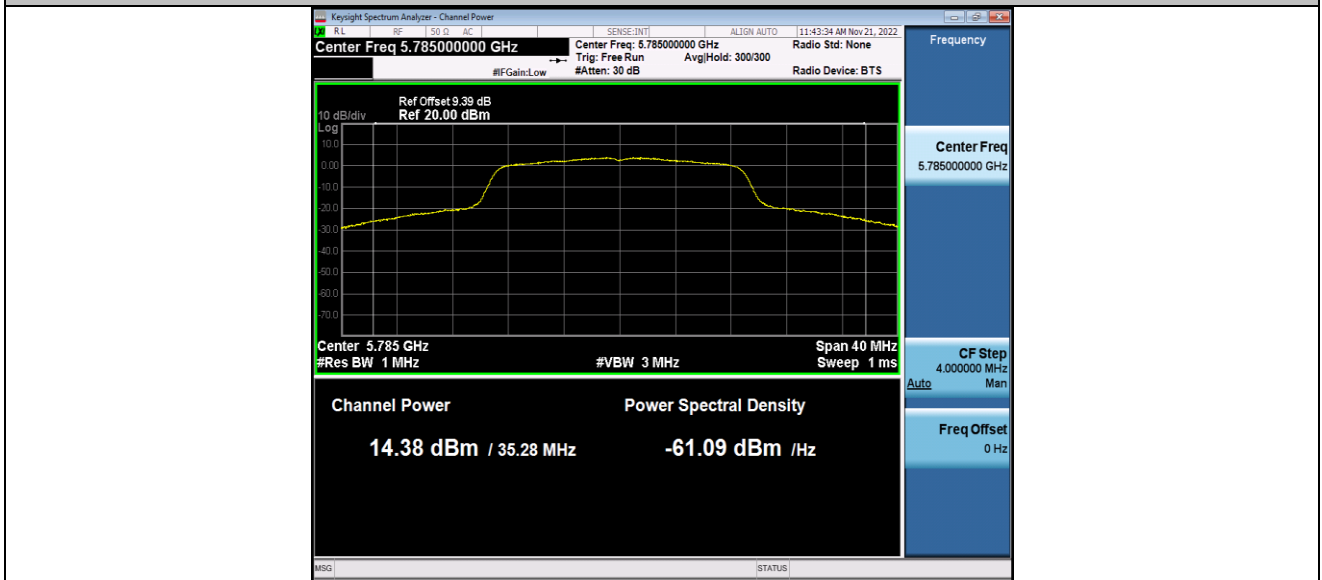
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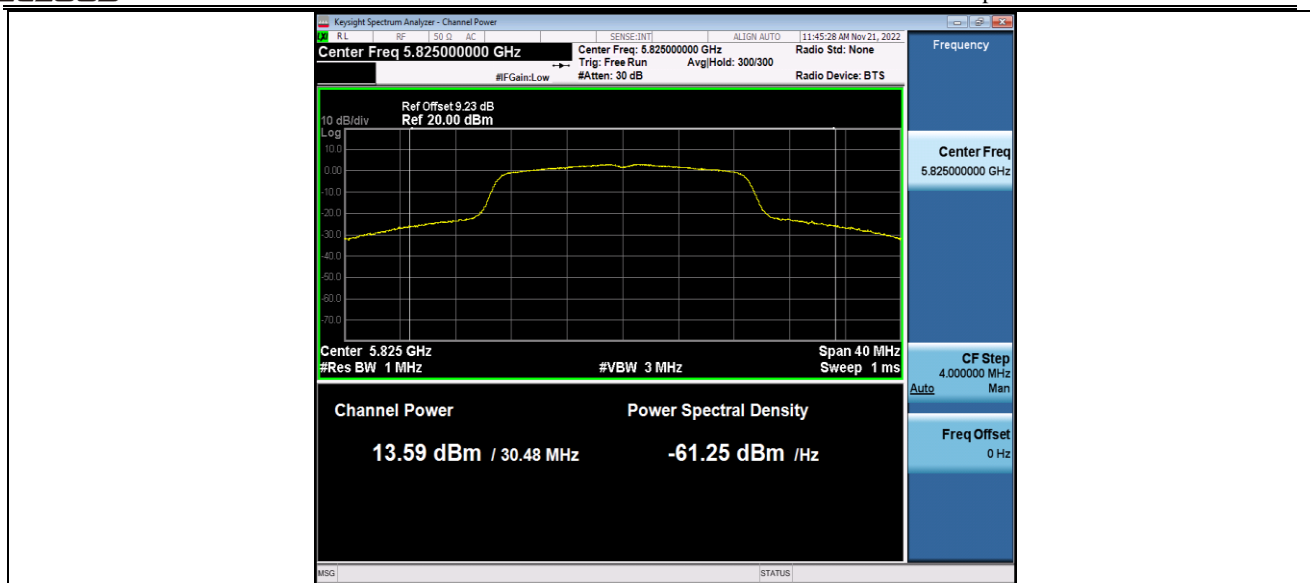
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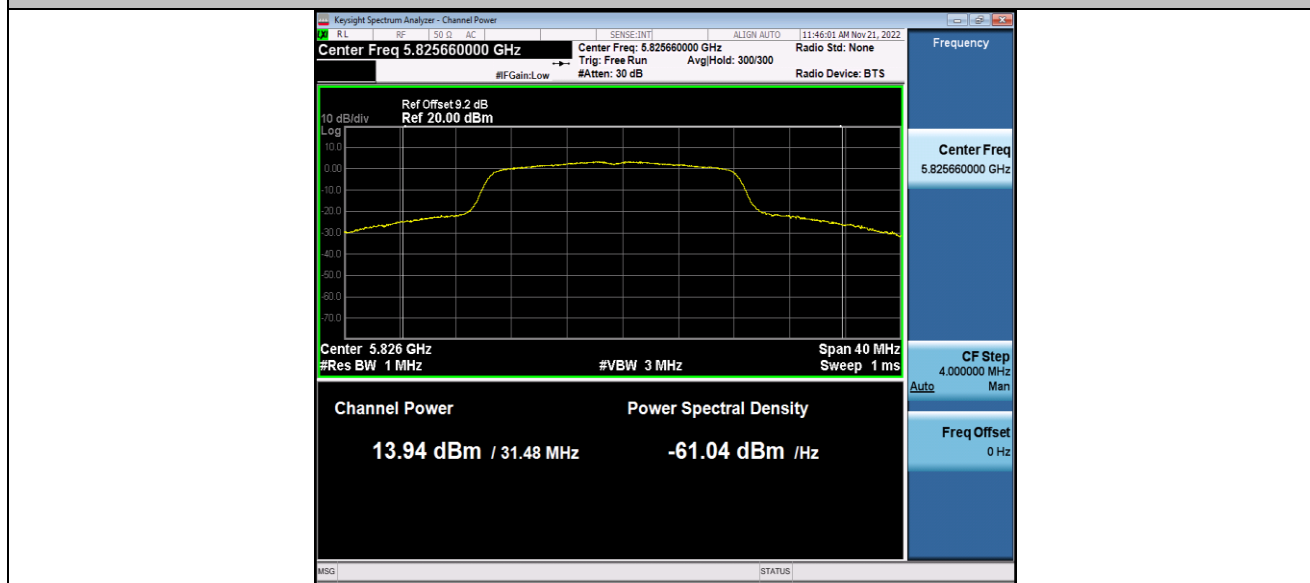
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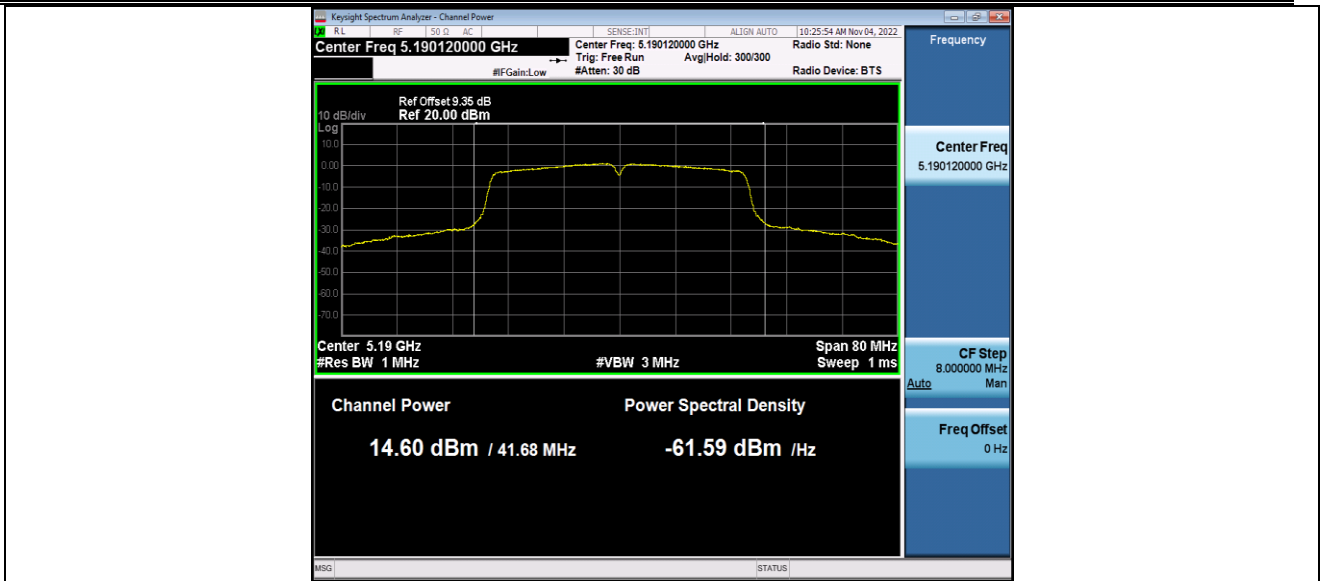
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11N20MIMO_Ant2_5825



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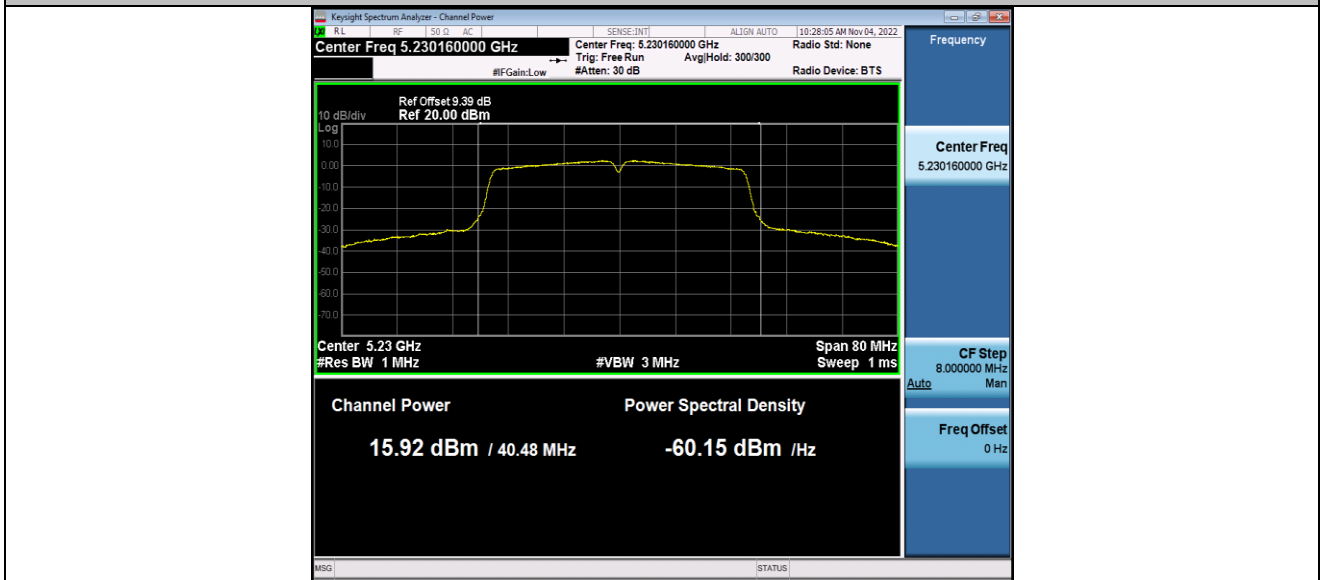
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11N40MIMO_Ant1_5230



11N40MIMO_Ant2_5230



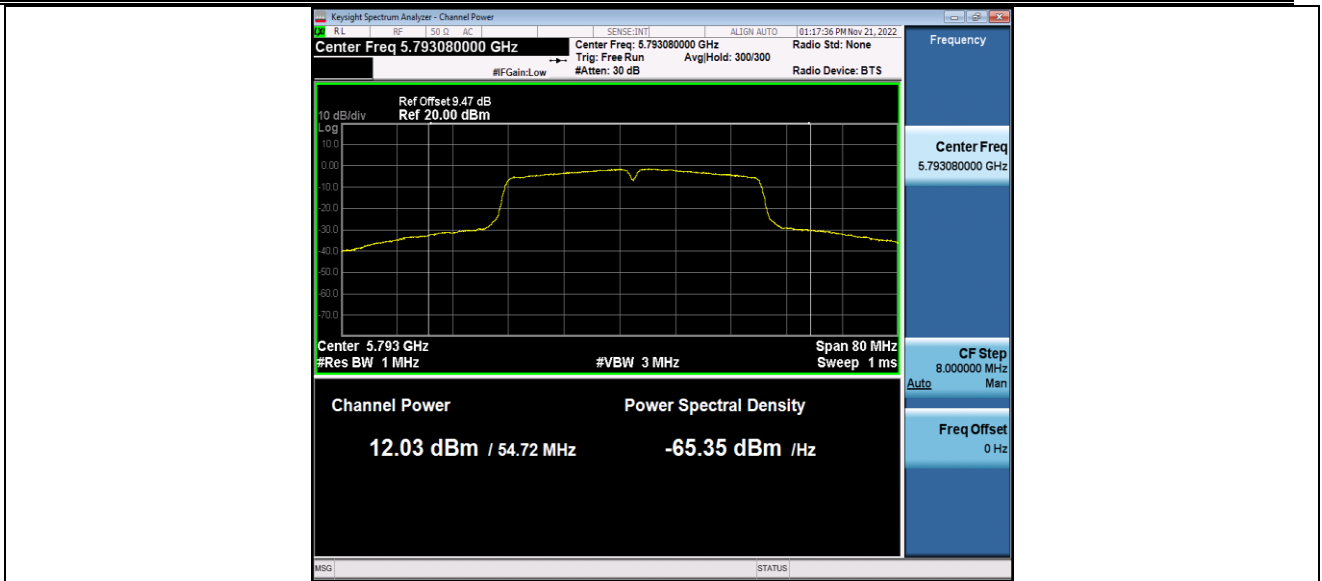
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11N40MIMO_Ant2_5755



11N40MIMO_Ant1_5795



11N40MIMO_Ant2_5795



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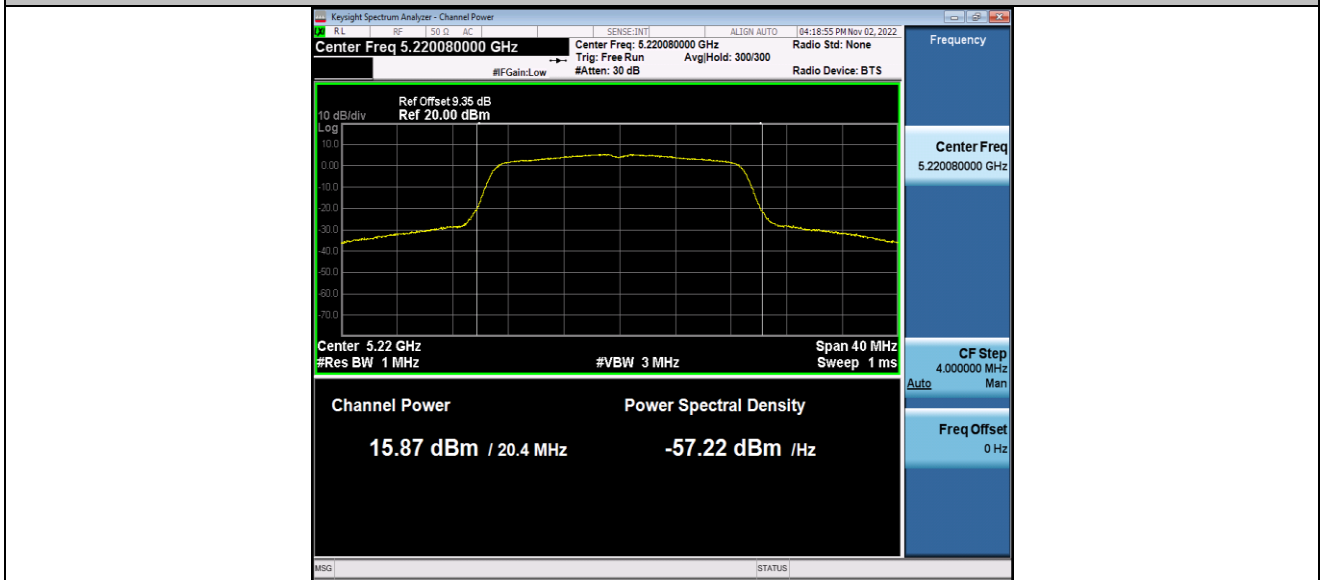
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11AC20MIMO_Ant1_5220



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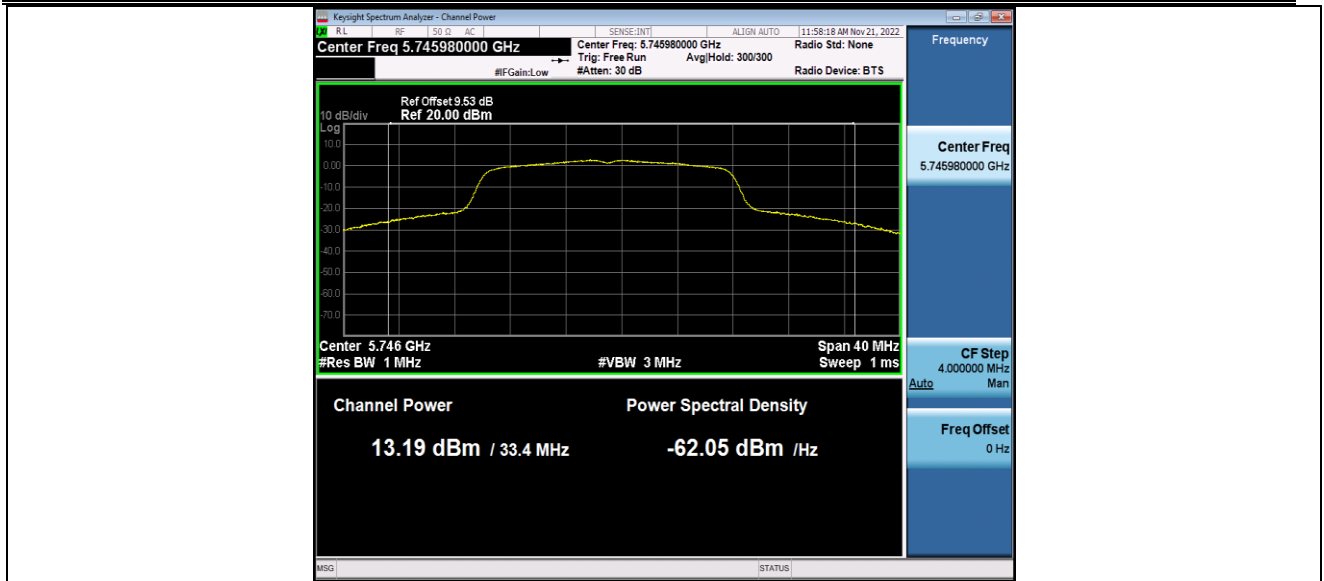
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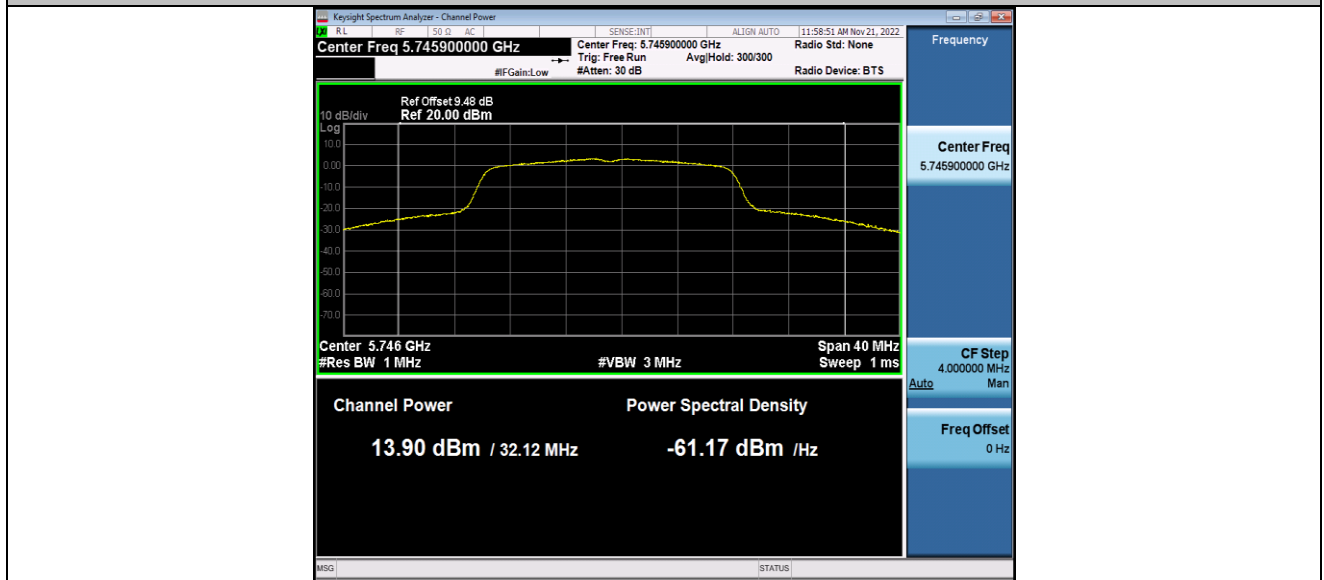
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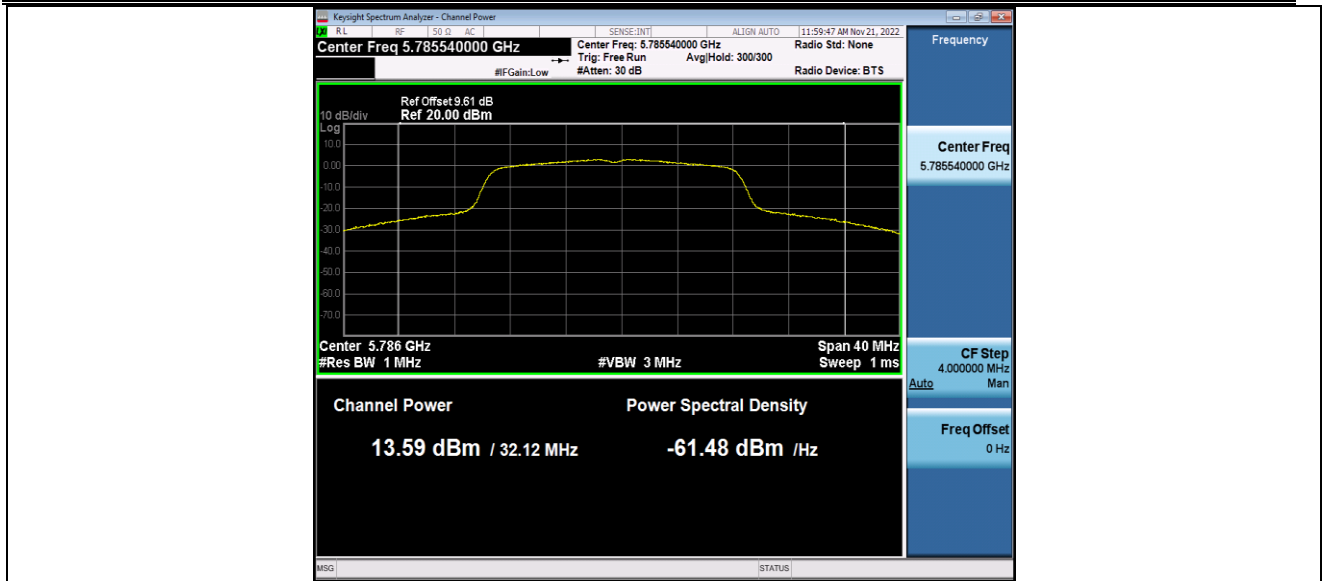
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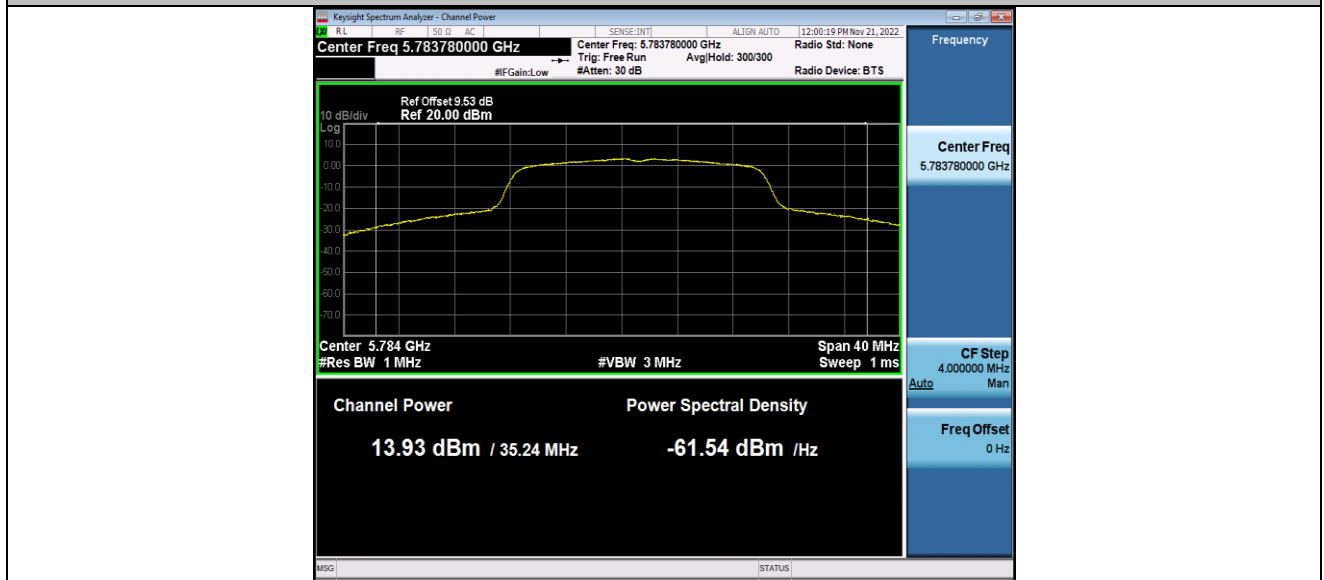
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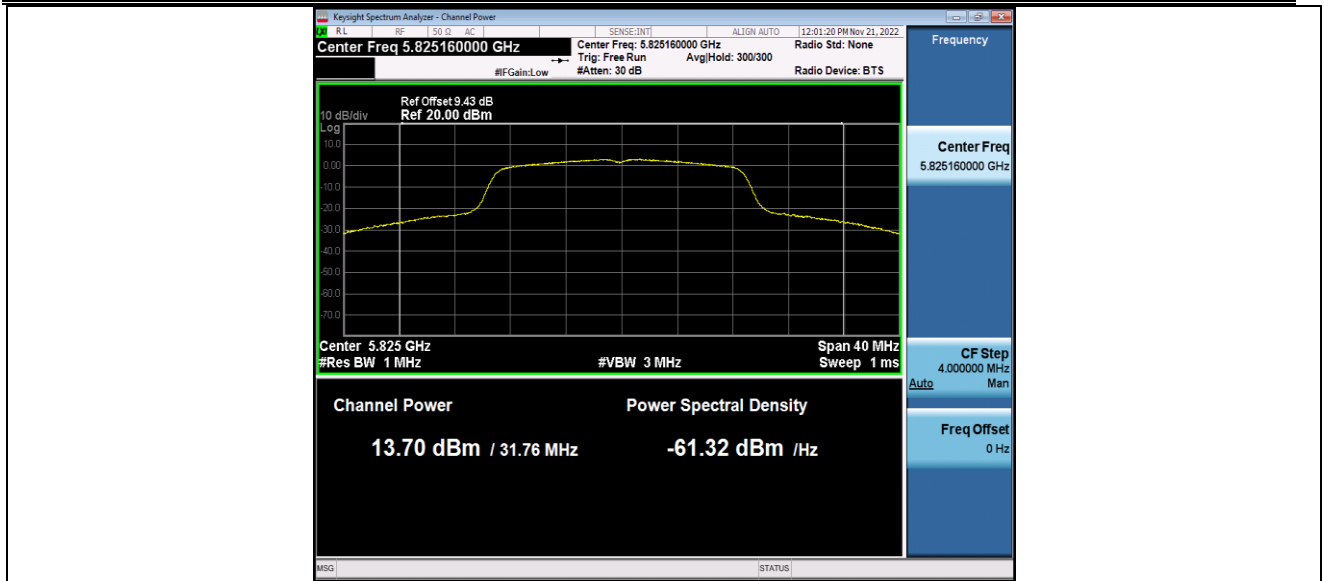
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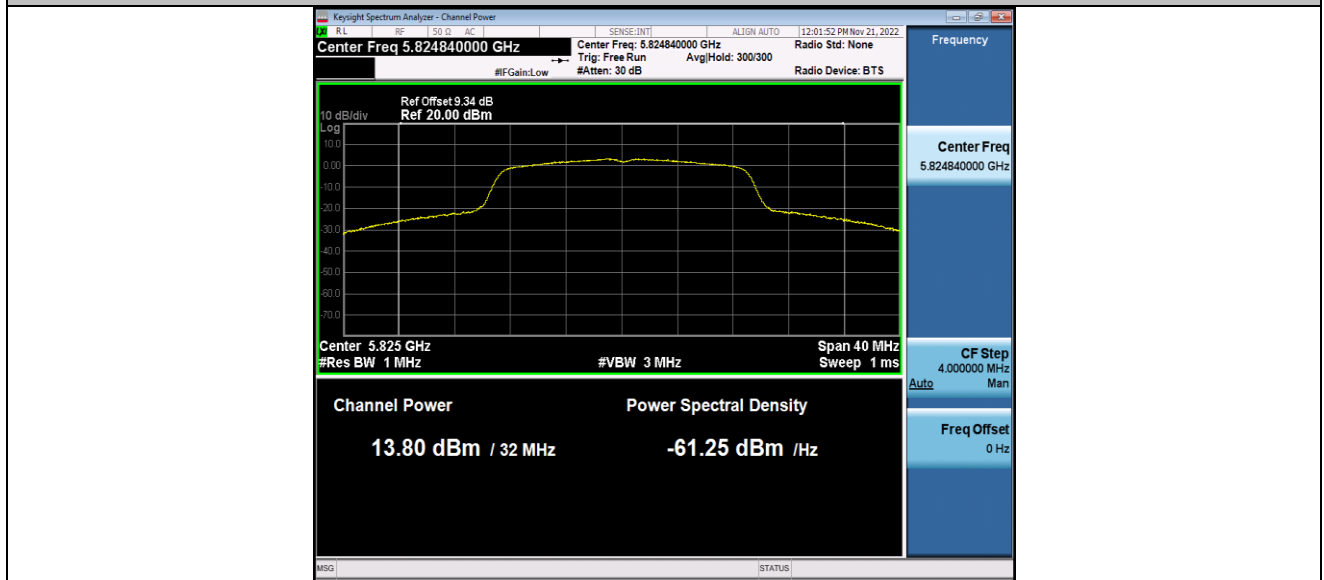
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11AC20MIMO_Ant1_5825



11AC20MIMO_Ant2_5825



11AC40MIMO_Ant1_5190