# Appendix A1: Emission Bandwidth

## Test Result

| TestMode | Antenna | Channel | 26db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| 11A | Ant1 | 5180 | 21.080 | 5169.240 | 5190.320 | --- | --- |
| | | 5220 | 21.080 | 5209.320 | 5230.400 | --- | --- |
| | | 5240 | 21.080 | 5229.320 | 5250.400 | --- | --- |
| | | 5745 | 21.120 | 5734.400 | 5755.520 | --- | --- |
| | | 5785 | 21.800 | 5774.360 | 5796.160 | --- | --- |
| | | 5825 | 23.200 | 5814.280 | 5837.480 | --- | --- |
| 11N20SISO | Ant1 | 5180 | 21.360 | 5169.240 | 5190.600 | --- | --- |
| | | 5220 | 21.040 | 5209.360 | 5230.400 | --- | --- |
| | | 5240 | 21.720 | 5228.800 | 5250.520 | --- | --- |
| | | 5745 | 21.480 | 5734.120 | 5755.600 | --- | --- |
| | | 5785 | 25.440 | 5772.960 | 5798.400 | --- | --- |
| | | 5825 | 21.880 | 5814.000 | 5835.880 | --- | --- |
| 11N40SISO | Ant1 | 5190 | 39.760 | 5170.240 | 5210.000 | --- | --- |
| | | 5230 | 39.680 | 5210.000 | 5249.680 | --- | --- |
| | | 5755 | 46.000 | 5735.240 | 5781.240 | --- | --- |
| | | 5795 | 50.320 | 5775.320 | 5825.640 | --- | --- |
| 11AC20SISO | Ant1 | 5180 | 21.200 | 5169.240 | 5190.440 | --- | --- |
| | | 5220 | 21.280 | 5209.240 | 5230.520 | --- | --- |
| | | 5240 | 21.280 | 5229.280 | 5250.560 | --- | --- |
| | | 5745 | 21.440 | 5734.040 | 5755.480 | --- | --- |
| | | 5785 | 21.600 | 5773.960 | 5795.560 | --- | --- |
| | | 5825 | 21.360 | 5814.240 | 5835.600 | --- | --- |
| 11AC40SISO | Ant1 | 5190 | 39.840 | 5170.160 | 5210.000 | --- | --- |
| | | 5230 | 40.000 | 5210.000 | 5250.000 | --- | --- |
| | | 5755 | 46.400 | 5735.160 | 5781.560 | --- | --- |
| | | 5795 | 43.120 | 5775.320 | 5818.440 | --- | --- |
| 11AC80SISO | Ant1 | 5210 | 81.120 | 5169.520 | 5250.640 | --- | --- |
| | | 5775 | 82.880 | 5735.000 | 5817.880 | --- | --- |

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## Test Graphs

11A_Ant1_5180

11A_Ant1_5220

11A_Ant1_5240

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11A_Ant1_5745

11A_Ant1_5785

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11AC20SISO_Ant1_5180

11AC20SISO_Ant1_5220

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11AC20SISO_Ant1_5240

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11AC40SISO_Ant1_5795

11AC80SISO_Ant1_5210

11AC80SISO_Ant1_5775

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# Appendix A2: Occupied channel bandwidth

## Test Result

| TestMode | Antenna | Channel | OCB [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| 11A | Ant1 | 5180 | 17.251 | 5171.1872 | 5188.4382 | --- | --- |
| | | 5220 | 17.243 | 5211.2594 | 5228.5024 | --- | --- |
| | | 5240 | 17.270 | 5231.1834 | 5248.4534 | --- | --- |
| | | 5745 | 17.484 | 5736.1375 | 5753.6215 | --- | --- |
| | | 5785 | 17.636 | 5776.1072 | 5793.7432 | --- | --- |
| | | 5825 | 17.540 | 5816.1414 | 5833.6814 | --- | --- |
| 11N20SISO | Ant1 | 5180 | 18.283 | 5170.6570 | 5188.9400 | --- | --- |
| | | 5220 | 18.212 | 5210.8067 | 5229.0187 | --- | --- |
| | | 5240 | 18.216 | 5230.7934 | 5249.0094 | --- | --- |
| | | 5745 | 18.394 | 5735.7058 | 5754.0998 | --- | --- |
| | | 5785 | 18.487 | 5775.7689 | 5794.2559 | --- | --- |
| | | 5825 | 18.270 | 5815.7756 | 5834.0456 | --- | --- |
| 11N40SISO | Ant1 | 5190 | 36.442 | 5171.7750 | 5208.2170 | --- | --- |
| | | 5230 | 36.323 | 5211.8342 | 5248.1572 | --- | --- |
| | | 5755 | 36.706 | 5736.7805 | 5773.4865 | --- | --- |
| | | 5795 | 36.944 | 5776.8043 | 5813.7483 | --- | --- |
| 11AC20SISO | Ant1 | 5180 | 18.141 | 5170.7973 | 5188.9383 | --- | --- |
| | | 5220 | 18.135 | 5210.8500 | 5228.9850 | --- | --- |
| | | 5240 | 18.144 | 5230.8397 | 5248.9837 | --- | --- |
| | | 5745 | 18.312 | 5735.7828 | 5754.0948 | --- | --- |
| | | 5785 | 18.280 | 5775.7967 | 5794.0767 | --- | --- |
| | | 5825 | 18.294 | 5815.7303 | 5834.0243 | --- | --- |
| 11AC40SISO | Ant1 | 5190 | 36.411 | 5171.7209 | 5208.1319 | --- | --- |
| | | 5230 | 36.286 | 5211.8426 | 5248.1286 | --- | --- |
| | | 5755 | 36.599 | 5736.7670 | 5773.3660 | --- | --- |
| | | 5795 | 36.501 | 5776.8774 | 5813.3784 | --- | --- |
| 11AC80SISO | Ant1 | 5210 | 75.430 | 5172.4686 | 5247.8986 | --- | --- |
| | | 5775 | 75.585 | 5737.5697 | 5813.1547 | --- | --- |

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## Test Graphs

11A_Ant1_5180

11A_Ant1_5220

11A_Ant1_5240

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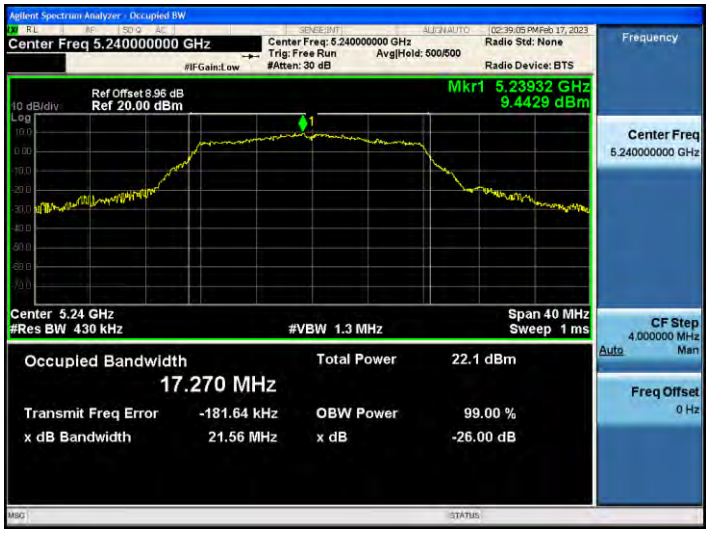


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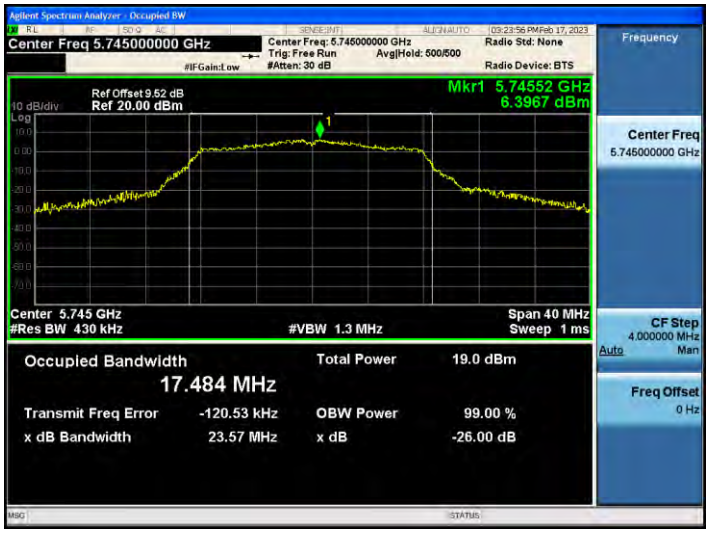


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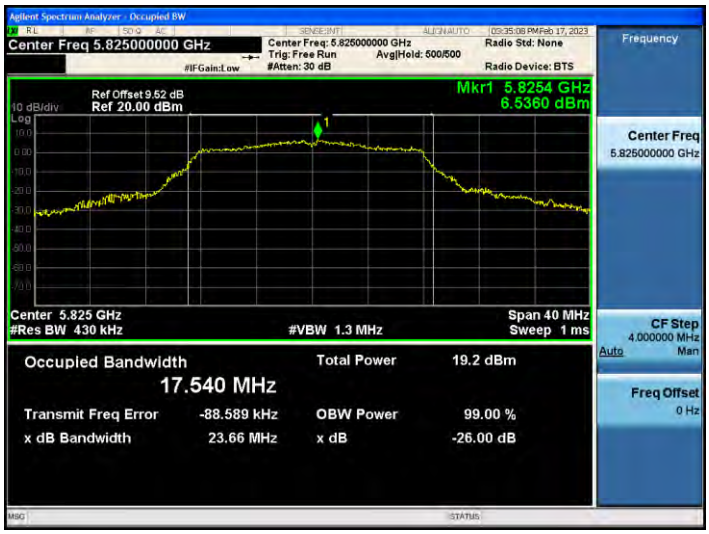


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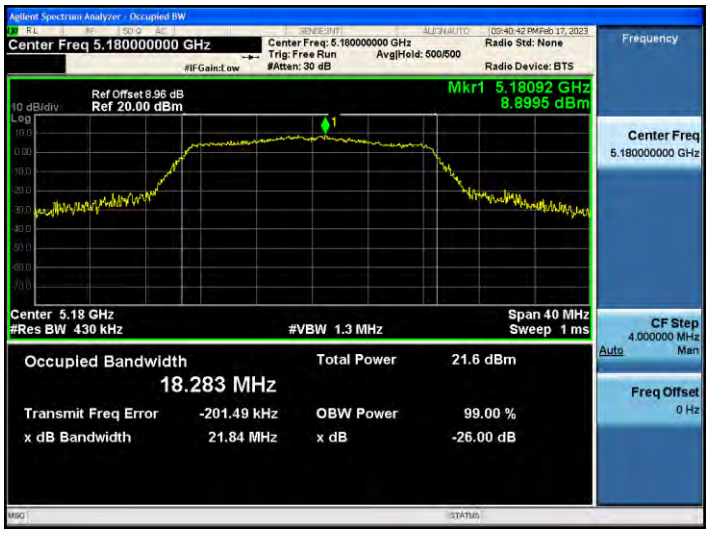


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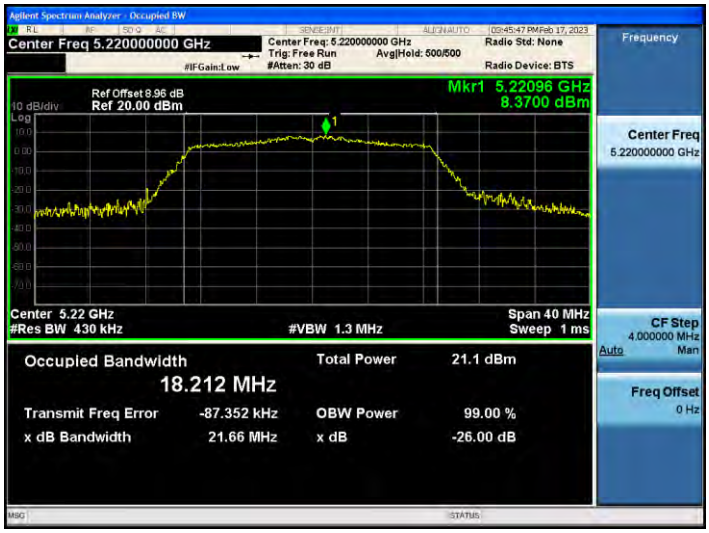


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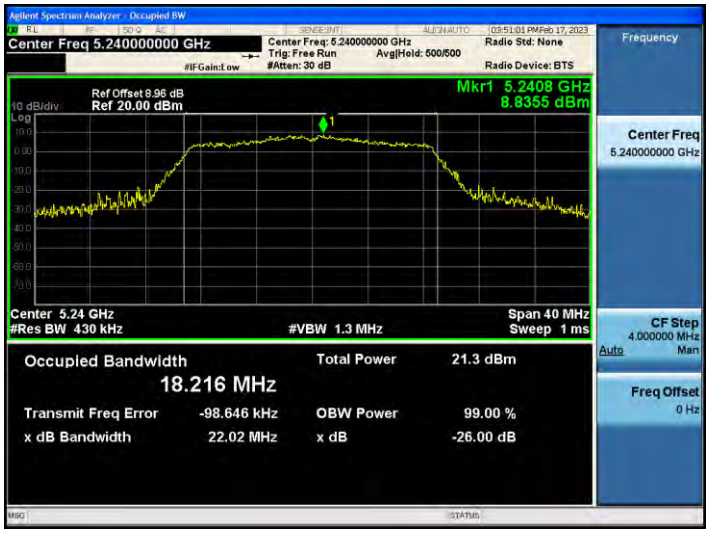


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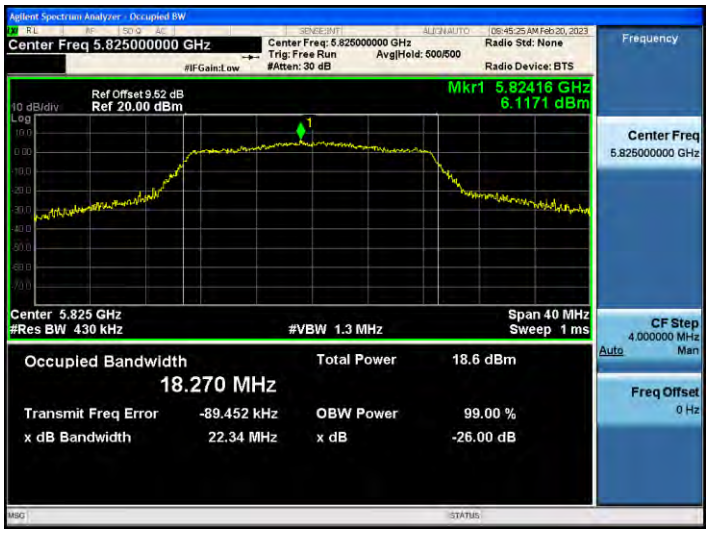


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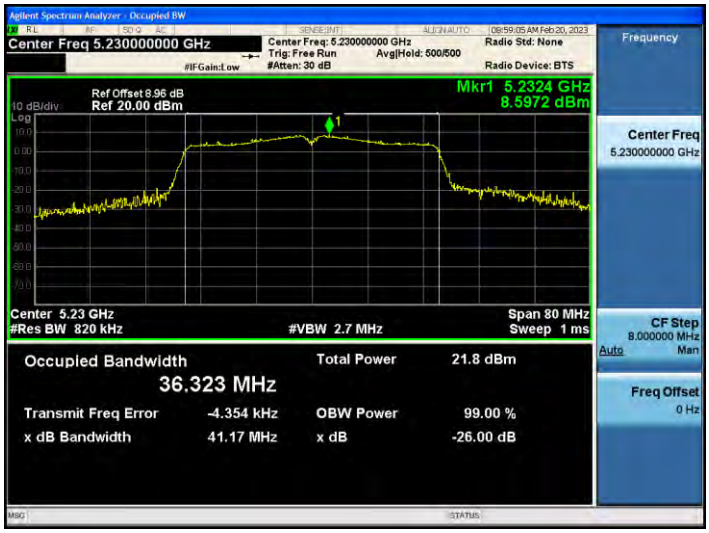


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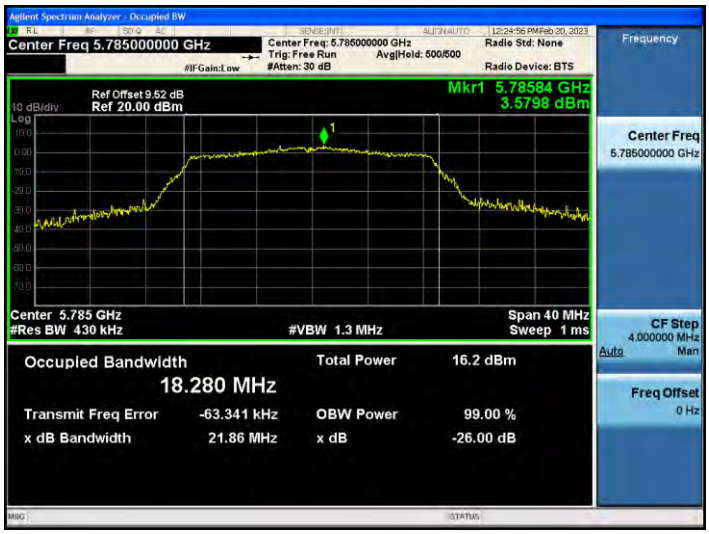


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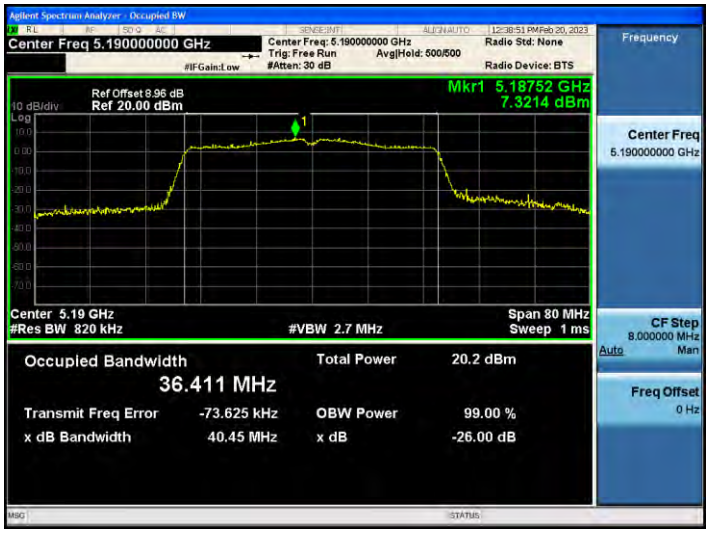


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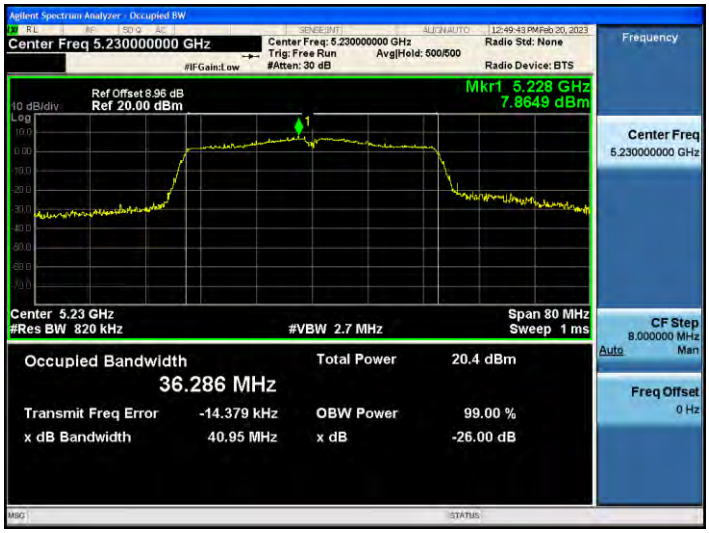


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# Appendix A3: Min emission bandwidth

## Test Result

| TestMode | Antenna | Channel | 6db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|---|---|---|---|---|---|---|---|
| 11A | Ant1 | 5745 | 15.760 | 5737.040 | 5752.800 | 0.5 | PASS |
| | | 5785 | 15.760 | 5777.040 | 5792.800 | 0.5 | PASS |
| | | 5825 | 15.720 | 5817.040 | 5832.760 | 0.5 | PASS |
| 11N20SISO | Ant1 | 5745 | 15.960 | 5737.320 | 5753.280 | 0.5 | PASS |
| | | 5785 | 16.680 | 5776.480 | 5793.160 | 0.5 | PASS |
| | | 5825 | 15.160 | 5817.320 | 5832.480 | 0.5 | PASS |
| 11N40SISO | Ant1 | 5755 | 35.120 | 5737.320 | 5772.440 | 0.5 | PASS |
| | | 5795 | 35.200 | 5777.320 | 5812.520 | 0.5 | PASS |
| 11AC20SISO | Ant1 | 5745 | 15.440 | 5737.280 | 5752.720 | 0.5 | PASS |
| | | 5785 | 16.360 | 5777.280 | 5793.640 | 0.5 | PASS |
| | | 5825 | 15.960 | 5817.280 | 5833.240 | 0.5 | PASS |
| 11AC40SISO | Ant1 | 5755 | 35.120 | 5737.320 | 5772.440 | 0.5 | PASS |
| | | 5795 | 35.360 | 5777.320 | 5812.680 | 0.5 | PASS |
| 11AC80SISO | Ant1 | 5775 | 75.360 | 5737.240 | 5812.600 | 0.5 | PASS |

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## Test Graphs

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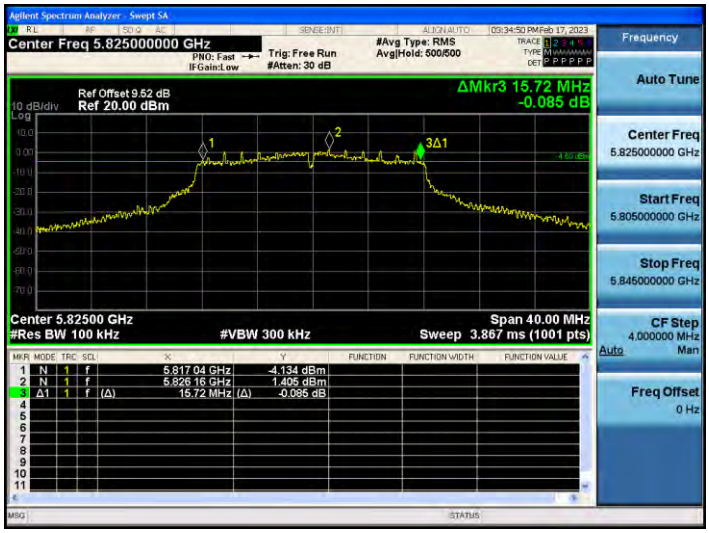


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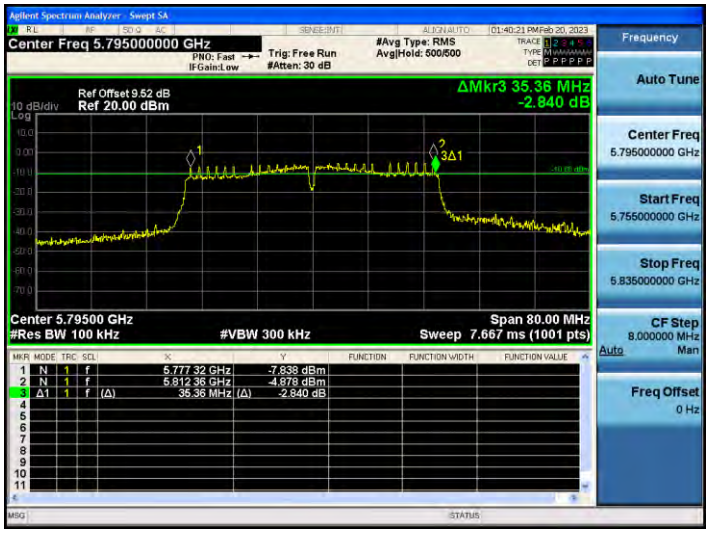


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# Appendix B: Maximum conducted output power

## Test Result For FCC

| TestMode | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|---|---|---|---|---|---|
| 11A | Ant1 | 5180 | 15.62 | ≤23.98 | PASS |
| | | 5220 | 15.29 | ≤23.98 | PASS |
| | | 5240 | 15.46 | ≤23.98 | PASS |
| | | 5745 | 12.16 | ≤30.00 | PASS |
| | | 5785 | 11.51 | ≤30.00 | PASS |
| | | 5825 | 12.38 | ≤30.00 | PASS |
| 11N20SISO | Ant1 | 5180 | 14.76 | ≤23.98 | PASS |
| | | 5220 | 14.24 | ≤23.98 | PASS |
| | | 5240 | 14.58 | ≤23.98 | PASS |
| | | 5745 | 11.15 | ≤30.00 | PASS |
| | | 5785 | 10.19 | ≤30.00 | PASS |
| | | 5825 | 11.47 | ≤30.00 | PASS |
| 11N40SISO | Ant1 | 5190 | 14.39 | ≤23.98 | PASS |
| | | 5230 | 14.44 | ≤23.98 | PASS |
| | | 5755 | 11.09 | ≤30.00 | PASS |
| | | 5795 | 10.96 | ≤30.00 | PASS |
| 11AC20SISO | Ant1 | 5180 | 13.72 | ≤23.98 | PASS |
| | | 5220 | 13.40 | ≤23.98 | PASS |
| | | 5240 | 13.54 | ≤23.98 | PASS |
| | | 5745 | 10.16 | ≤30.00 | PASS |
| | | 5785 | 9.31 | ≤30.00 | PASS |
| | | 5825 | 10.32 | ≤30.00 | PASS |
| 11AC40SISO | Ant1 | 5190 | 12.82 | ≤23.98 | PASS |
| | | 5230 | 13.06 | ≤23.98 | PASS |
| | | 5755 | 10.22 | ≤30.00 | PASS |
| | | 5795 | 8.98 | ≤30.00 | PASS |
| 11AC80SISO | Ant1 | 5210 | 11.94 | ≤23.98 | PASS |
| | | 5775 | 8.24 | ≤30.00 | PASS |

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## Test Result For IC

| TestMode | Antenna | Channel | Level [dBm] | 10Log(1/X) Factor [dB] | Power [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|---|---|
| 11A | Ant1 | 5180 | 15.29 | 0.33 | 15.62 | 18.62 | ≤23.01 | PASS |
| | | 5220 | 14.99 | 0.30 | 15.29 | 18.29 | ≤23.01 | PASS |
| | | 5240 | 15.16 | 0.30 | 15.46 | 18.46 | ≤23.01 | PASS |
| | | 5745 | 11.86 | 0.30 | 12.16 | --- | ≤30.00 | PASS |
| | | 5785 | 11.21 | 0.30 | 11.51 | --- | ≤30.00 | PASS |
| | | 5825 | 12.08 | 0.30 | 12.38 | --- | ≤30.00 | PASS |
| 11N20SISO | Ant1 | 5180 | 14.44 | 0.32 | 14.76 | 17.76 | ≤23.01 | PASS |
| | | 5220 | 13.89 | 0.35 | 14.24 | 17.24 | ≤23.01 | PASS |
| | | 5240 | 14.23 | 0.35 | 14.58 | 17.58 | ≤23.01 | PASS |
| | | 5745 | 10.83 | 0.32 | 11.15 | --- | ≤30.00 | PASS |
| | | 5785 | 9.87 | 0.32 | 10.19 | --- | ≤30.00 | PASS |
| | | 5825 | 11.15 | 0.32 | 11.47 | --- | ≤30.00 | PASS |
| 11N40SISO | Ant1 | 5190 | 13.70 | 0.69 | 14.39 | 17.39 | ≤23.01 | PASS |
| | | 5230 | 13.82 | 0.62 | 14.44 | 17.44 | ≤23.01 | PASS |
| | | 5755 | 10.47 | 0.62 | 11.09 | --- | ≤30.00 | PASS |
| | | 5795 | 10.34 | 0.62 | 10.96 | --- | ≤30.00 | PASS |
| 11AC20SISO | Ant1 | 5180 | 13.40 | 0.32 | 13.72 | 16.72 | ≤23.01 | PASS |
| | | 5220 | 13.05 | 0.35 | 13.40 | 16.4 | ≤23.01 | PASS |
| | | 5240 | 13.22 | 0.32 | 13.54 | 16.54 | ≤23.01 | PASS |
| | | 5745 | 9.84 | 0.32 | 10.16 | --- | ≤30.00 | PASS |
| | | 5785 | 8.96 | 0.35 | 9.31 | --- | ≤30.00 | PASS |
| | | 5825 | 10.00 | 0.32 | 10.32 | --- | ≤30.00 | PASS |
| 11AC40SISO | Ant1 | 5190 | 12.21 | 0.61 | 12.82 | 15.82 | ≤23.01 | PASS |
| | | 5230 | 12.45 | 0.61 | 13.06 | 16.06 | ≤23.01 | PASS |
| | | 5755 | 9.61 | 0.61 | 10.22 | --- | ≤30.00 | PASS |
| | | 5795 | 8.37 | 0.61 | 8.98 | --- | ≤30.00 | PASS |
| 11AC80SISO | Ant1 | 5210 | 10.79 | 1.15 | 11.94 | 14.94 | ≤23.01 | PASS |
| | | 5775 | 7.06 | 1.18 | 8.24 | --- | ≤30.00 | PASS |

Note 1：EIRP=Power[dBm] + Antenna Gain

Note 2：The Duty Cycle Factor is compensated in the graph.

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## Test Graphs

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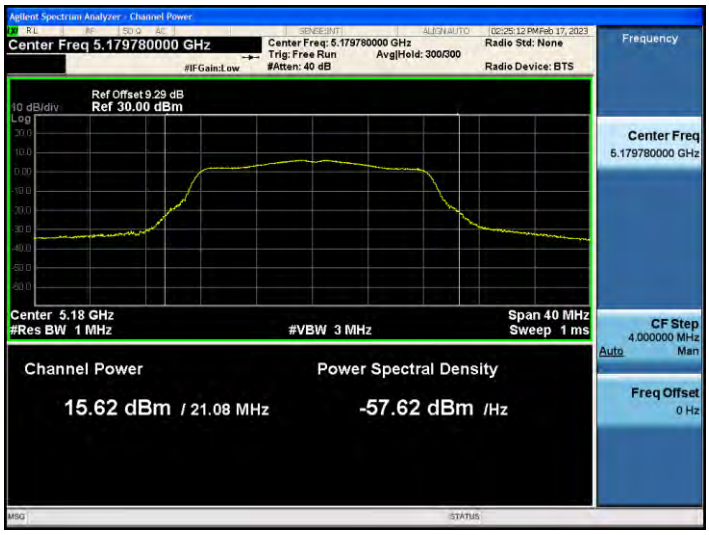


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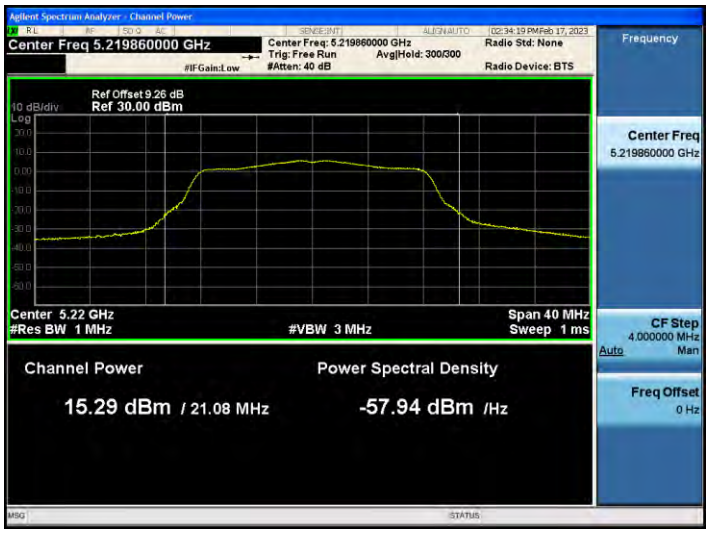


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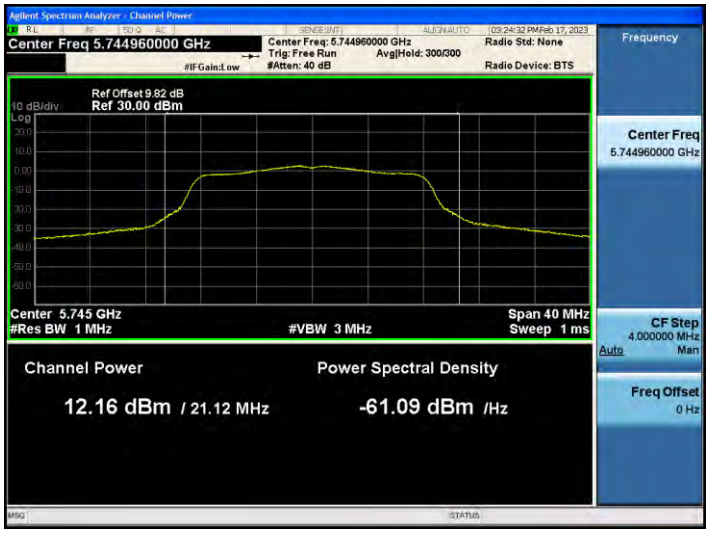


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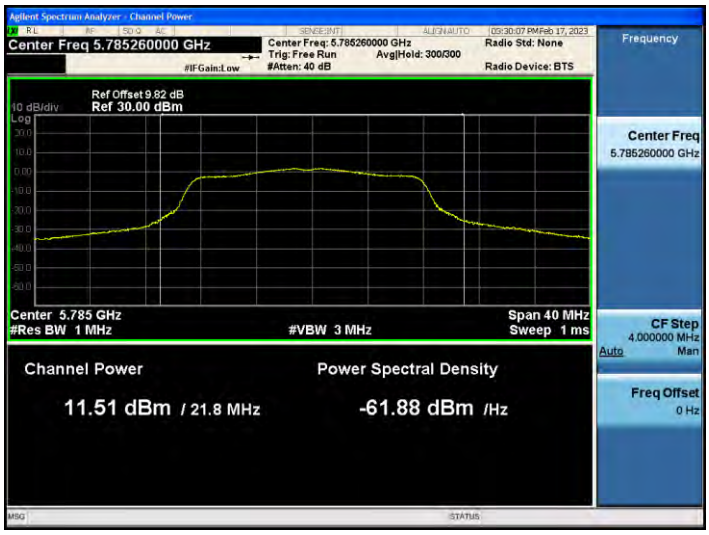


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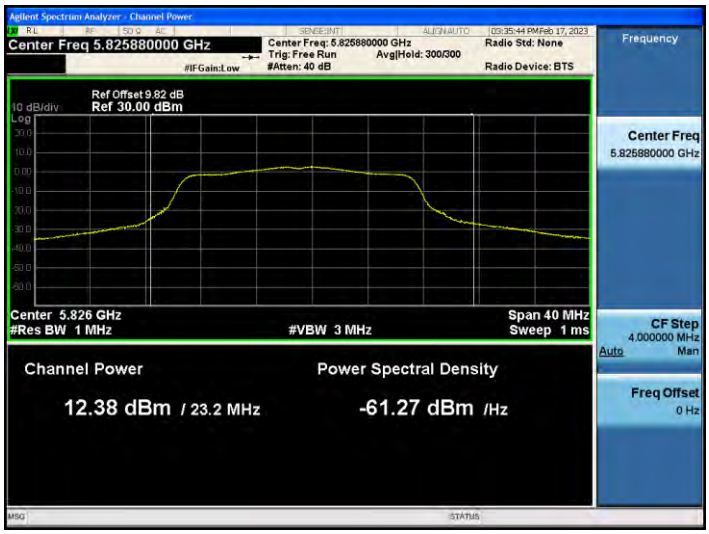


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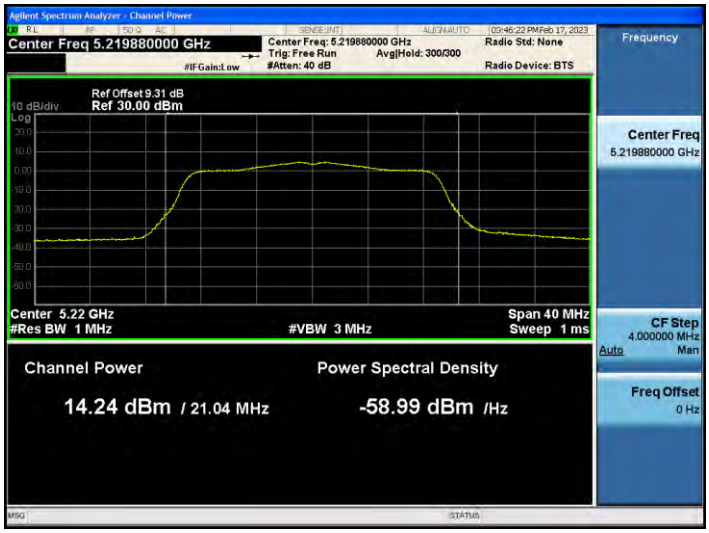


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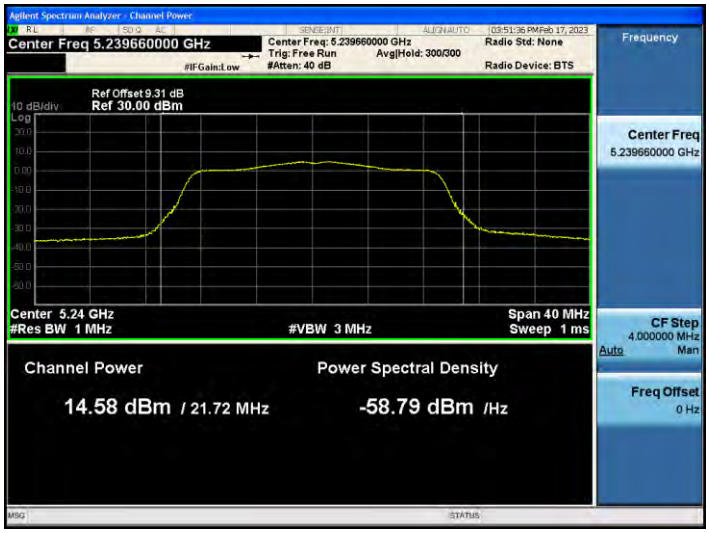


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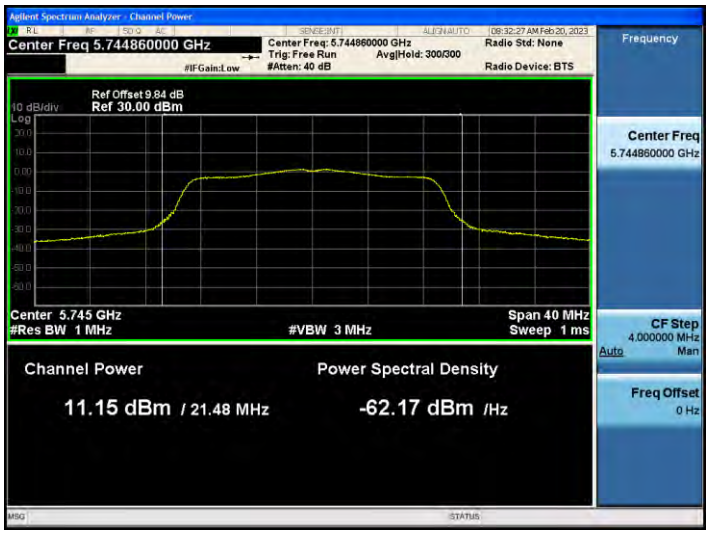


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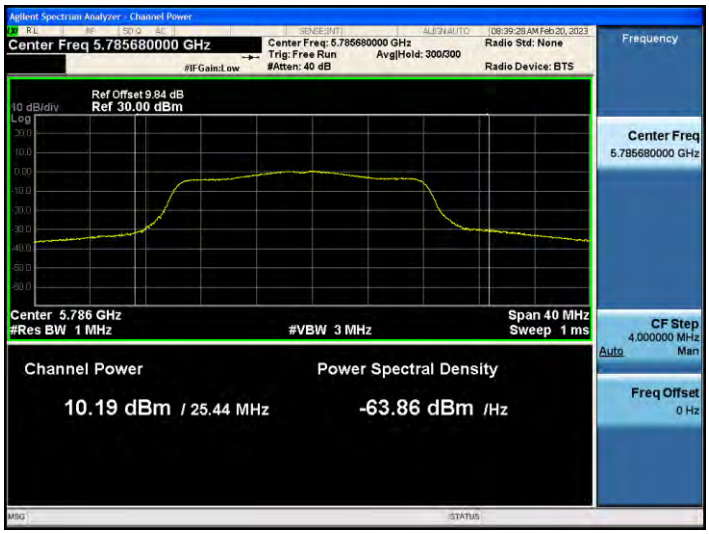


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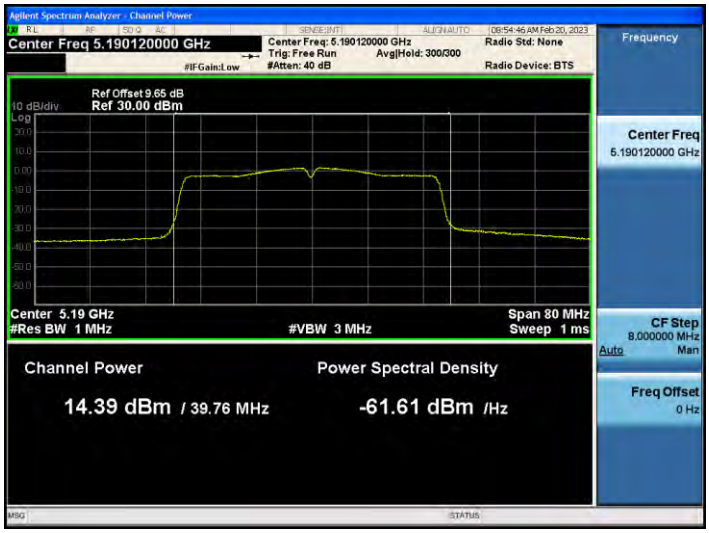


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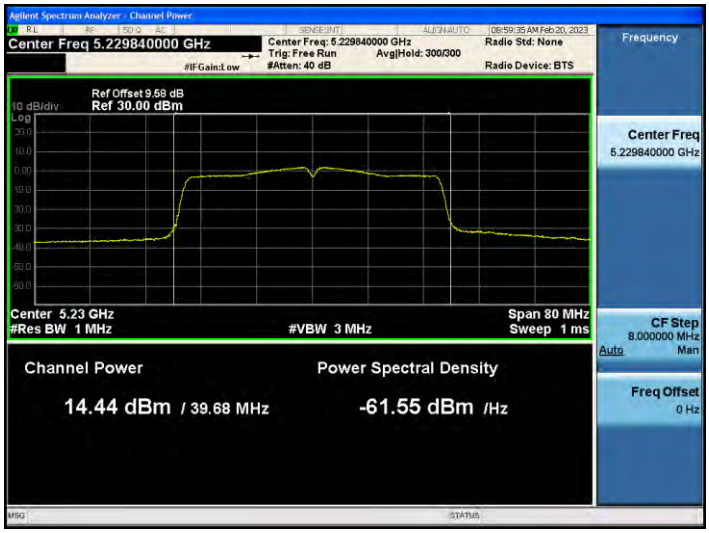


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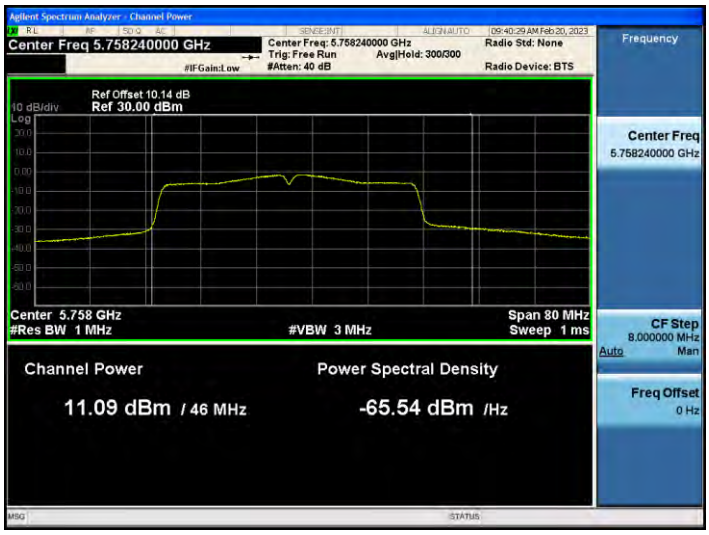


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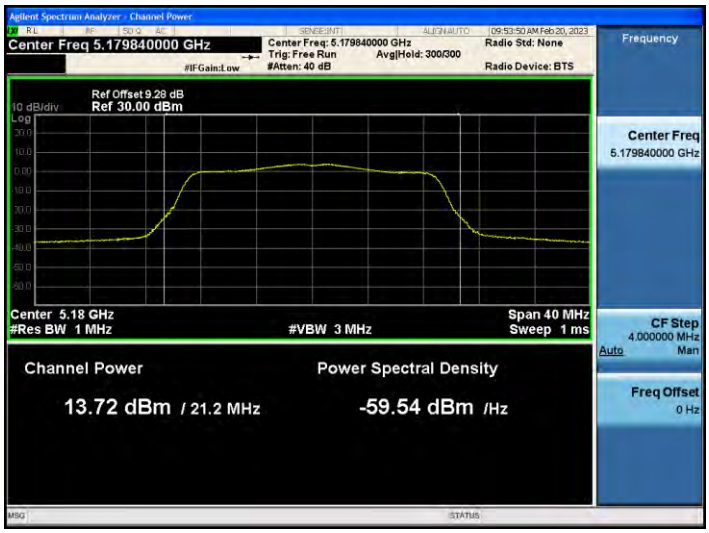


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NO.588 West Jindu Road,Songjiang District, ShanghaiChina 201612 t (86-21) 61915666 f (86-21) 61915678 www.sgsgroup.com.cn
中国·上海·松江区金都西路588号 邮编: 201612 t (86-21) 61915666 f (86-21) 61915678 sgs.china@sgs.com

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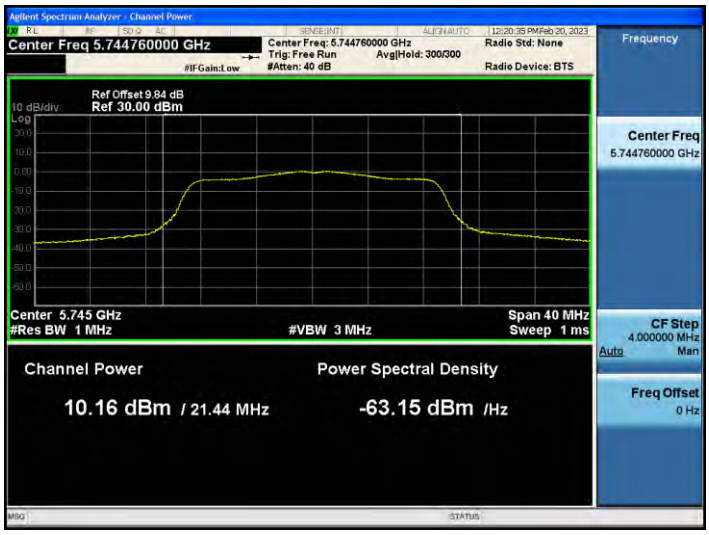


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