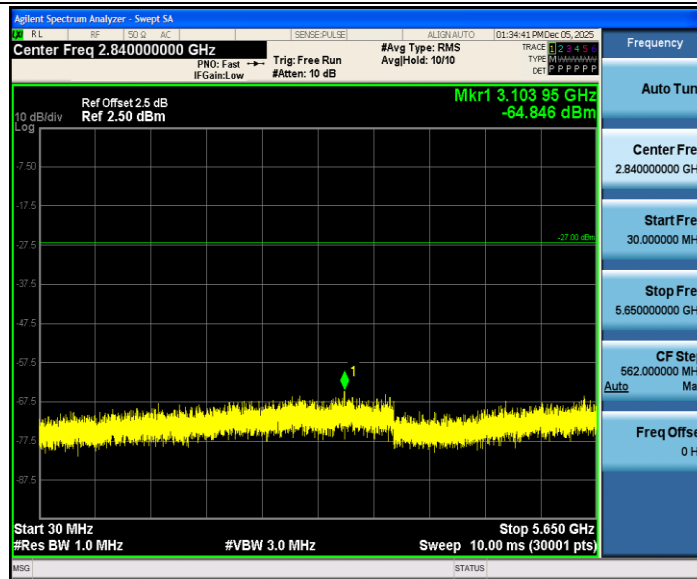
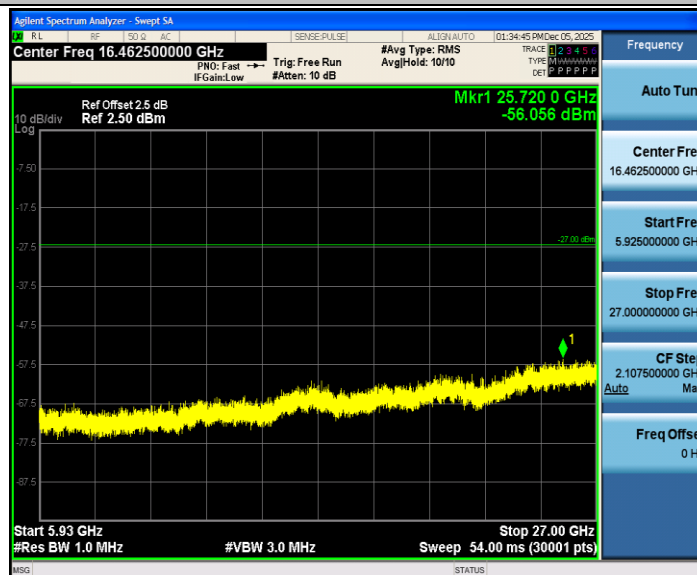
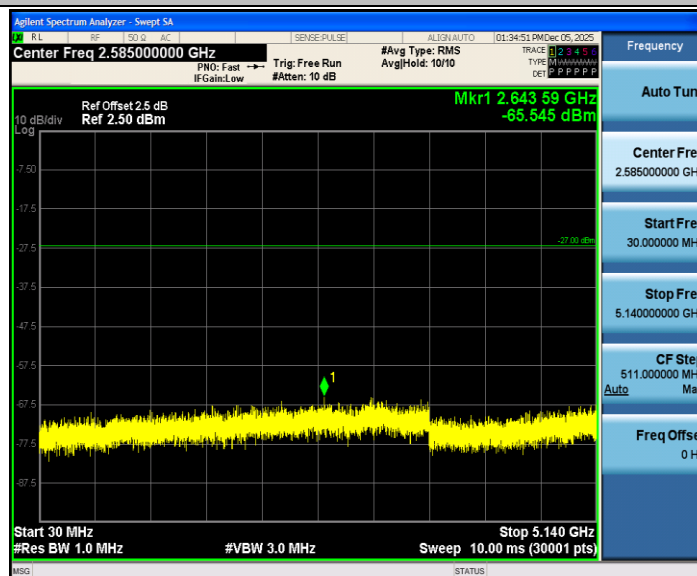




11AC20SISO_Ant1_5825_5925~40000



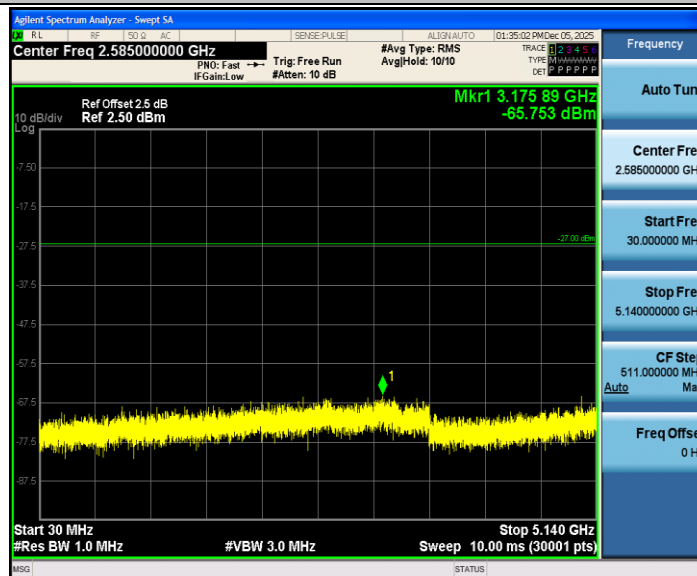
11AC40SISO_Ant1_5190_30~5140



11AC40SISO_Ant1_5190_5360~40000



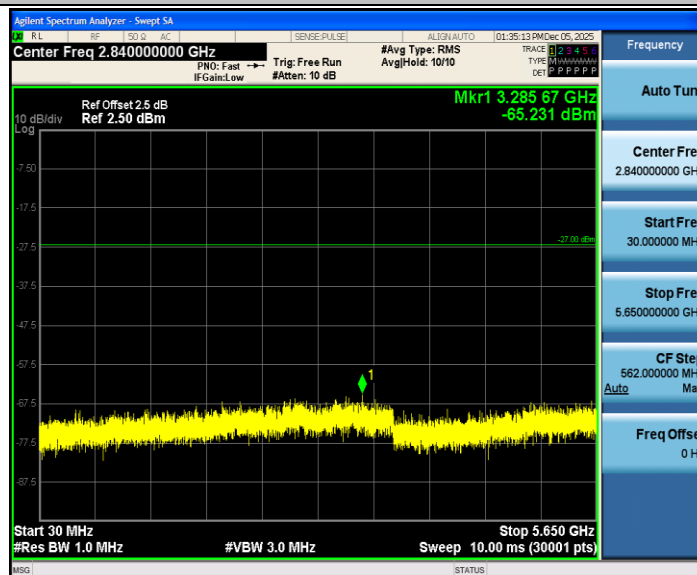
11AC40SISO_Ant1_5230_30~5140



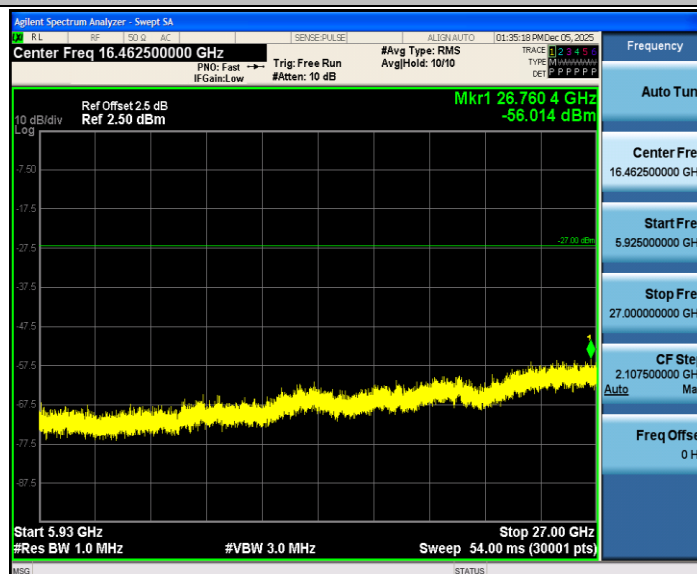
11AC40SISO_Ant1_5230_5360~40000



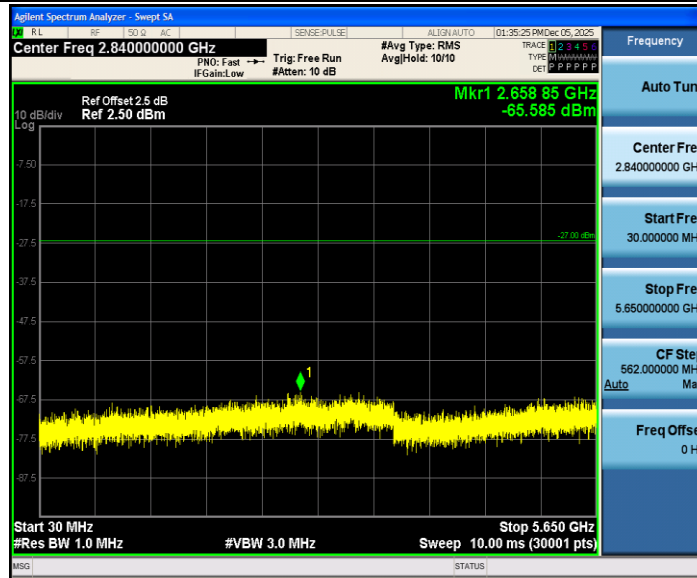
11AC40SISO_Ant1_5755_30~5650



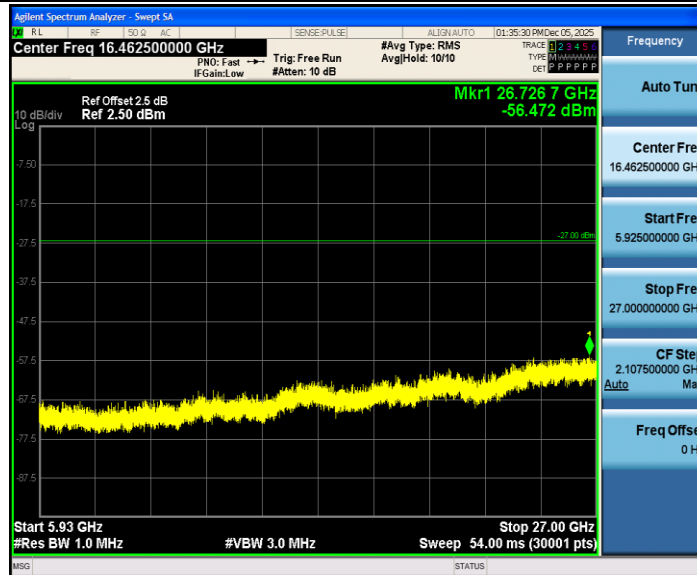
11AC40SISO_Ant1_5755_5925~40000



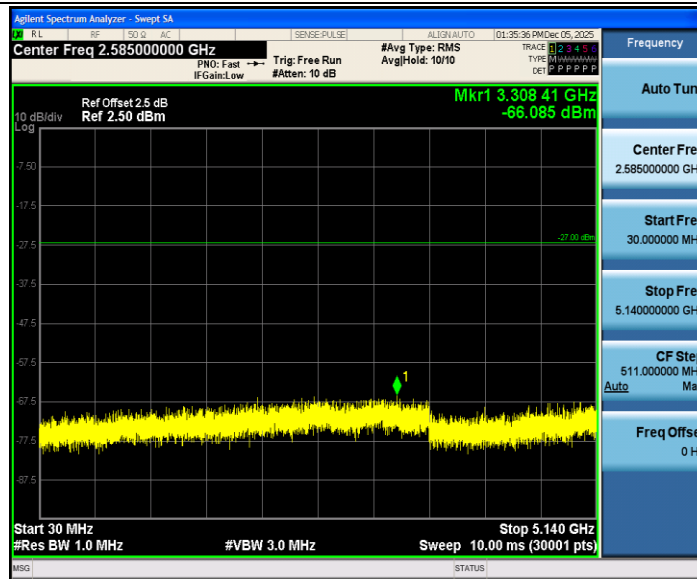
11AC40SISO_Ant1_5795_30~5650



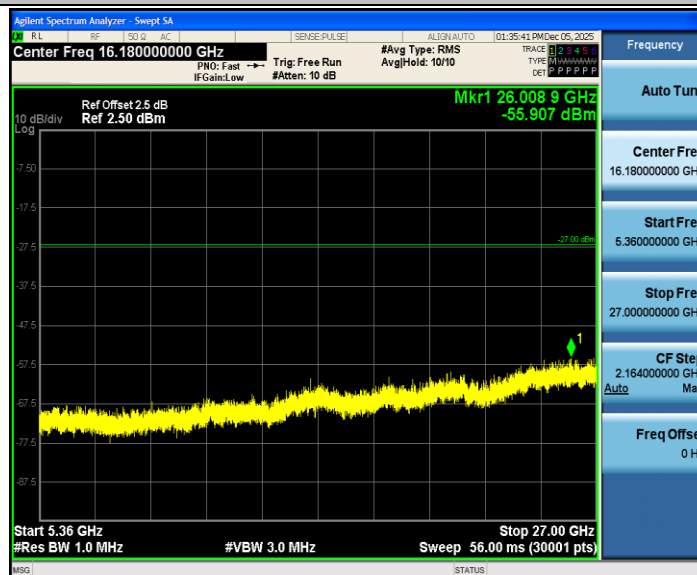
11AC40SISO_Ant1_5795_5925~40000



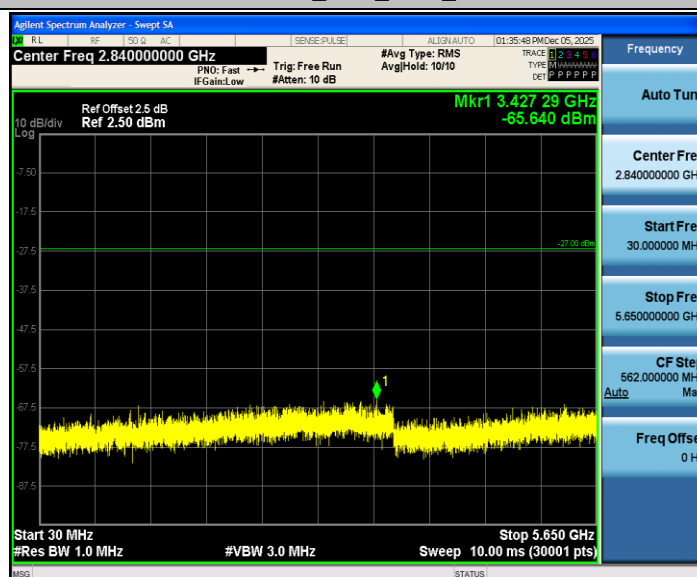
11AC80SISO_Ant1_5210_30~5140



11AC80SISO_Ant1_5210_5360~40000



11AC80SISO_Ant1_5775_30~5650



11AC80SISO_Ant1_5775_5925~40000



Appendix RF Test Data for 5GWIFI Module 2 ANT1

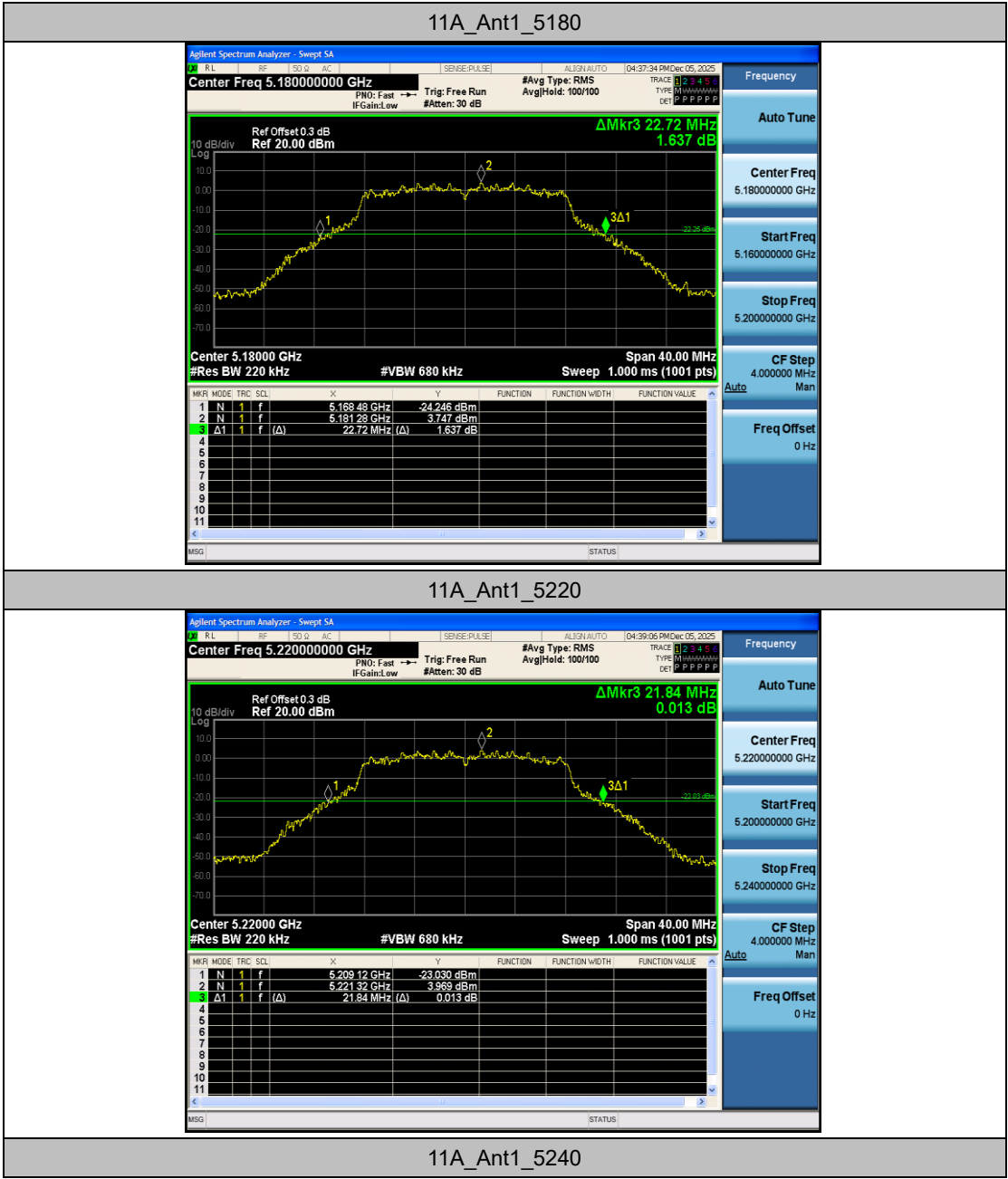
Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	22.720	5168.480	5191.200	---	---
		5220	21.840	5209.120	5230.960	---	---
		5240	22.400	5228.880	5251.280	---	---
		5745	23.520	5733.320	5756.840	---	---
		5785	23.520	5772.800	5796.320	---	---
		5825	23.480	5813.240	5836.720	---	---
11N20SISO	Ant1	5180	22.320	5168.800	5191.120	---	---
		5220	23.120	5208.360	5231.480	---	---
		5240	22.240	5228.880	5251.120	---	---
		5745	22.680	5733.520	5756.200	---	---
		5785	23.200	5773.240	5796.440	---	---
		5825	23.040	5813.280	5836.320	---	---
11N40SISO	Ant1	5190	42.560	5168.800	5211.360	---	---
		5230	42.640	5208.800	5251.440	---	---
		5755	44.240	5733.560	5777.800	---	---
		5795	44.560	5773.000	5817.560	---	---
11AC20SISO	Ant1	5180	22.080	5168.960	5191.040	---	---
		5220	22.160	5209.120	5231.280	---	---
		5240	22.160	5229.400	5251.560	---	---
		5745	23.880	5733.480	5757.360	---	---
		5785	23.520	5773.480	5797.000	---	---
		5825	23.480	5813.040	5836.520	---	---
11AC40SISO	Ant1	5190	41.760	5169.200	5210.960	---	---
		5230	42.160	5208.720	5250.880	---	---
		5755	44.080	5733.640	5777.720	---	---
		5795	44.000	5773.720	5817.720	---	---
11AC80SISO	Ant1	5210	81.920	5169.520	5251.440	---	---
		5775	82.240	5734.200	5816.440	---	---
11AX20SISO	Ant1	5180	22.800	5168.680	5191.480	---	---
		5220	23.520	5208.280	5231.800	---	---
		5240	23.320	5228.720	5252.040	---	---
		5745	23.760	5733.040	5756.800	---	---
		5785	23.040	5773.600	5796.640	---	---
		5825	24.120	5812.840	5836.960	---	---

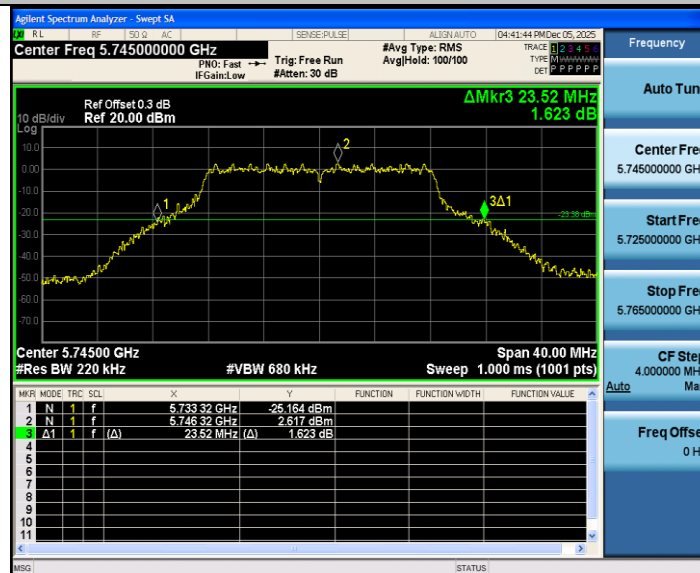
11AX40SISO	Ant1	5190	41.520	5169.600	5211.120	---	---
		5230	41.680	5209.600	5251.280	---	---
		5755	43.520	5733.960	5777.480	---	---
		5795	44.240	5773.320	5817.560	---	---
11AX80SISO	Ant1	5210	82.400	5168.880	5251.280	---	---
		5775	81.440	5734.680	5816.120	---	---

Test Graphs

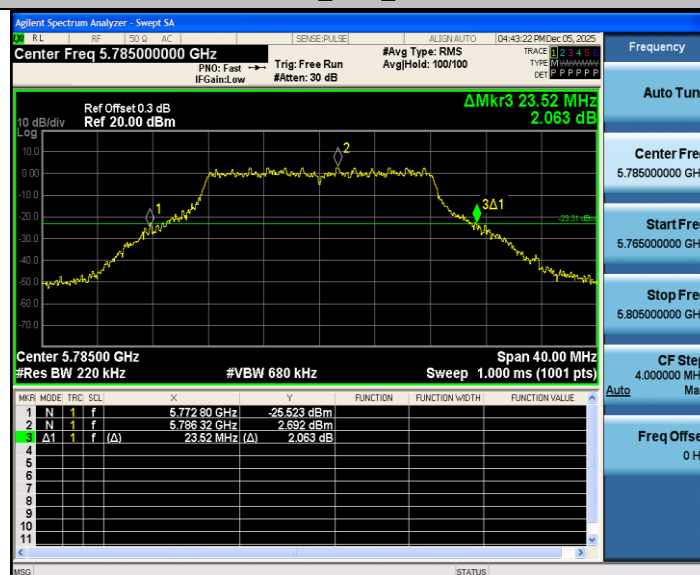




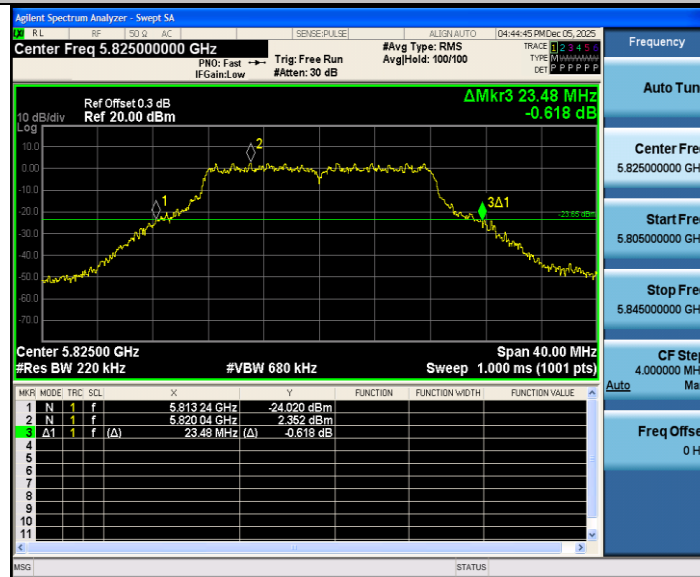
11A_Ant1_5745



11A_Ant1_5785



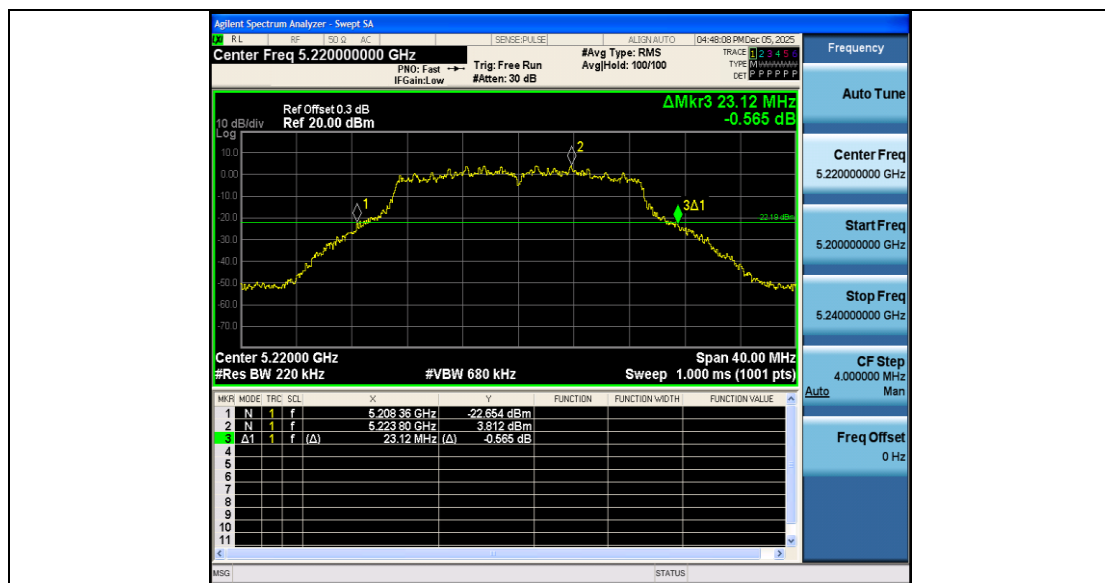
11A_Ant1_5825



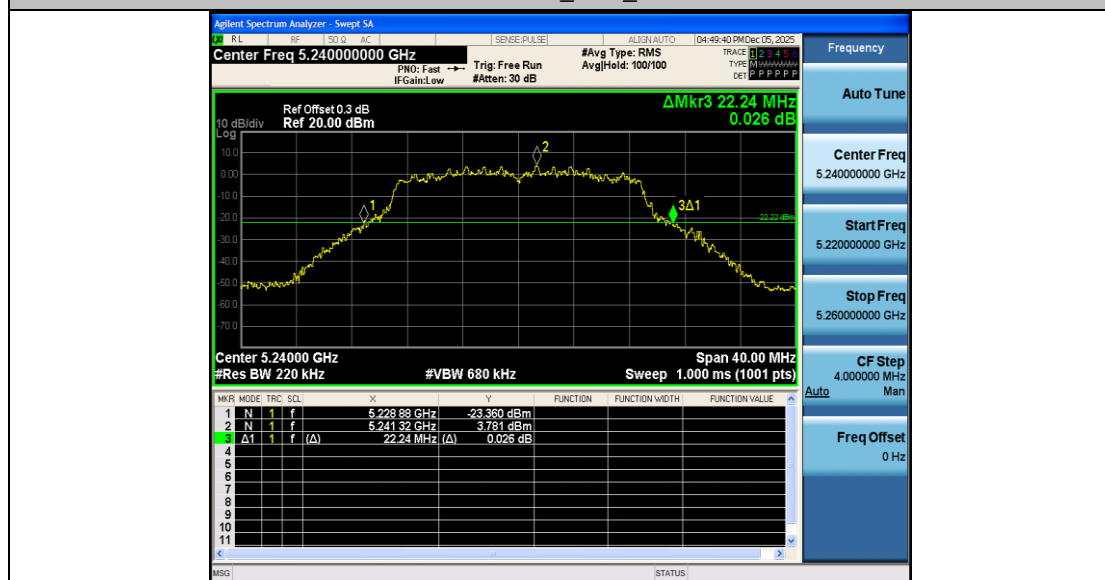
11N20SISO_Ant1_5180



11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



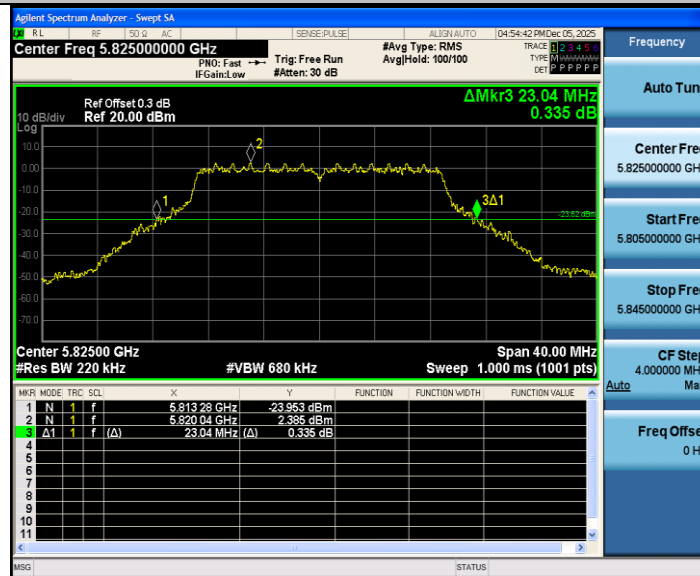
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



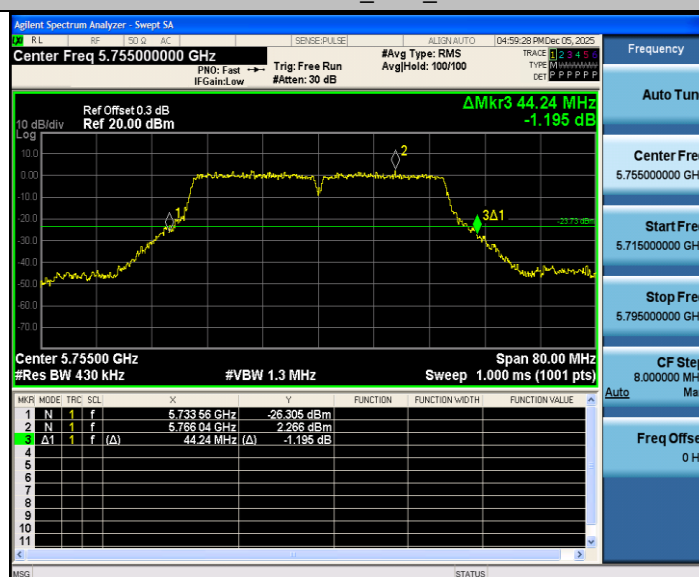
11N40SISO_Ant1_5190



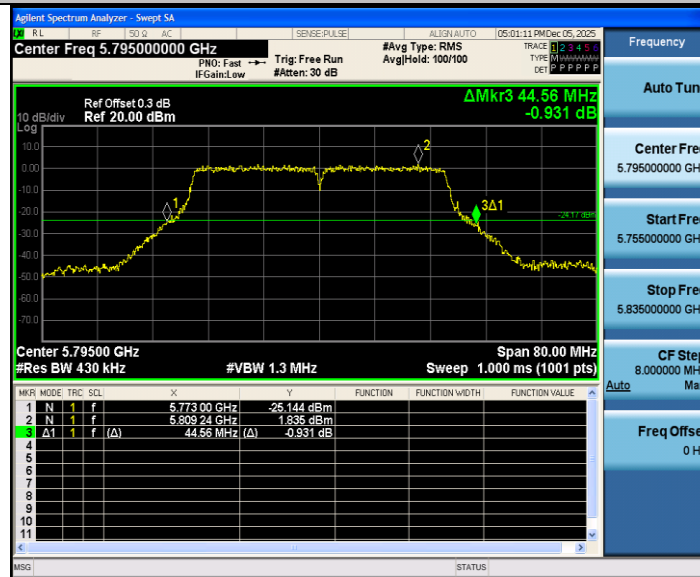
11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



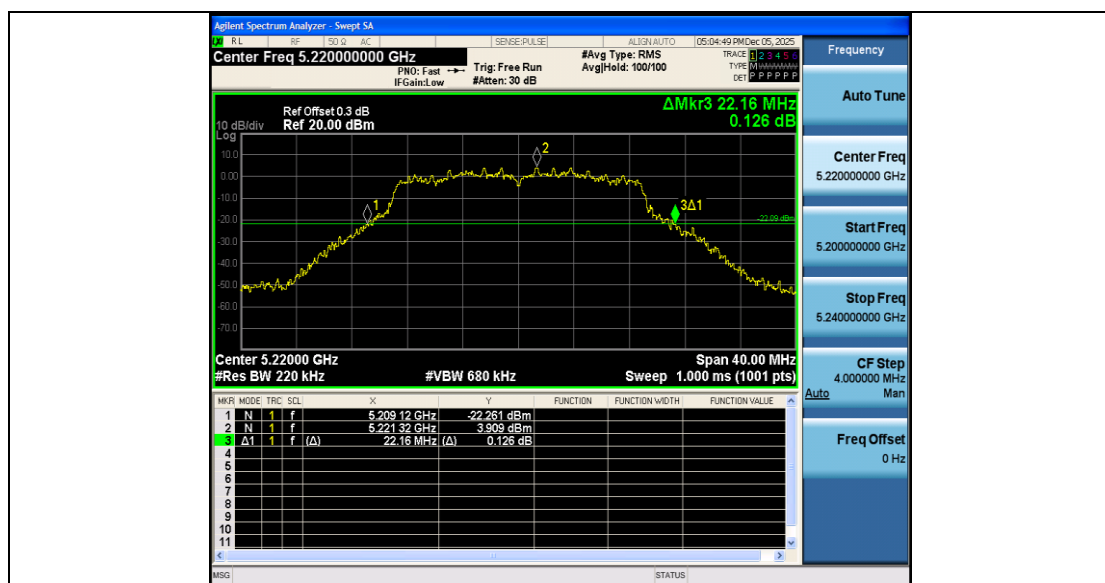
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5220



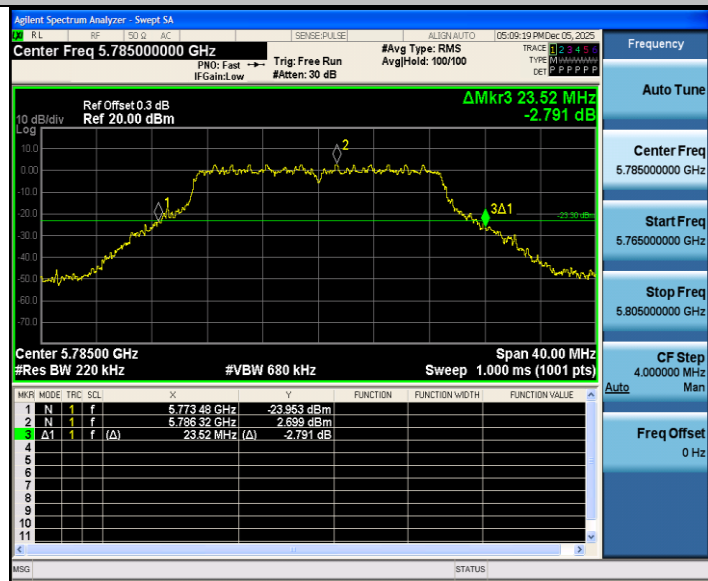
11AC20SISO_Ant1_5240



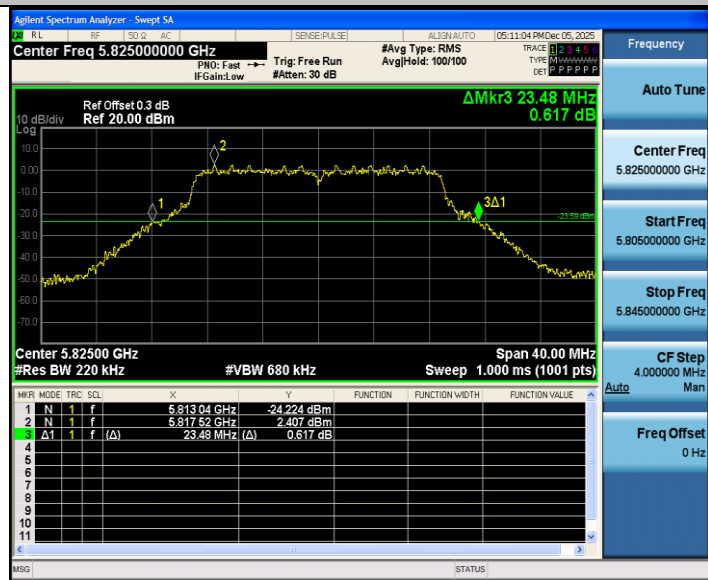
11AC20SISO_Ant1_5745



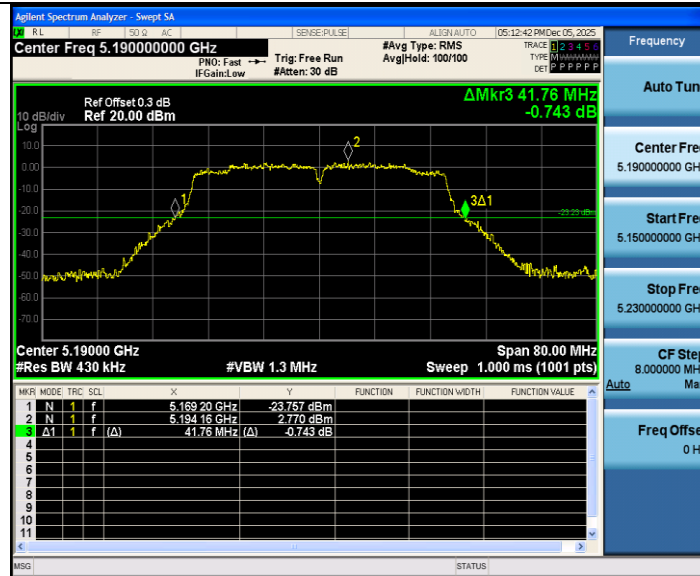
11AC20SISO_Ant1_5785



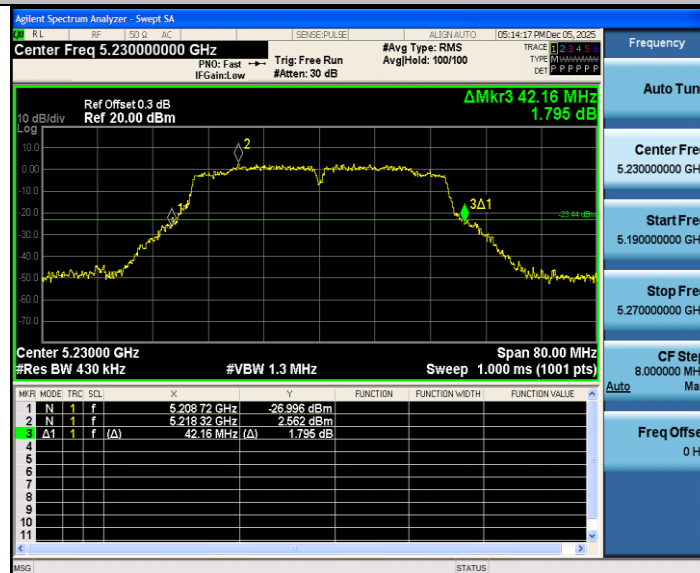
11AC20SISO_Ant1_5825



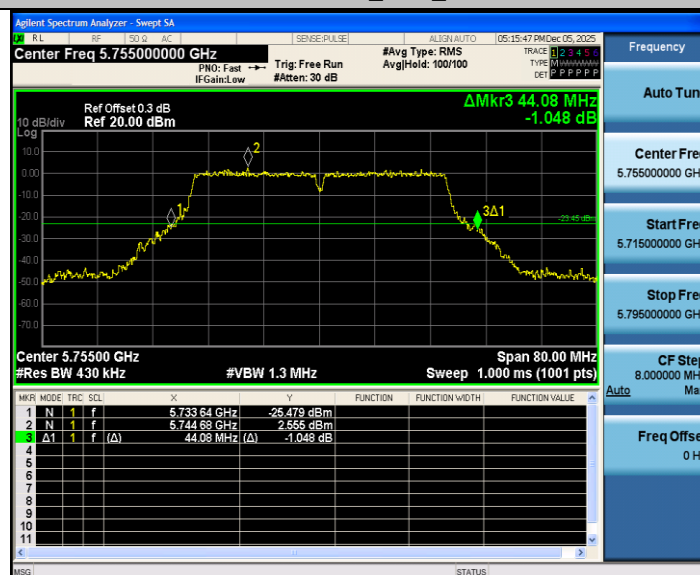
11AC40SISO_Ant1_5190



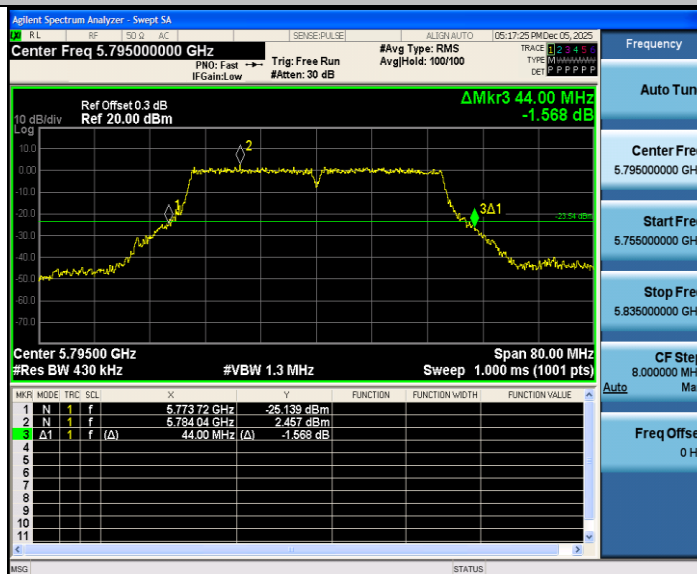
11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5220



11AX20SISO_Ant1_5240



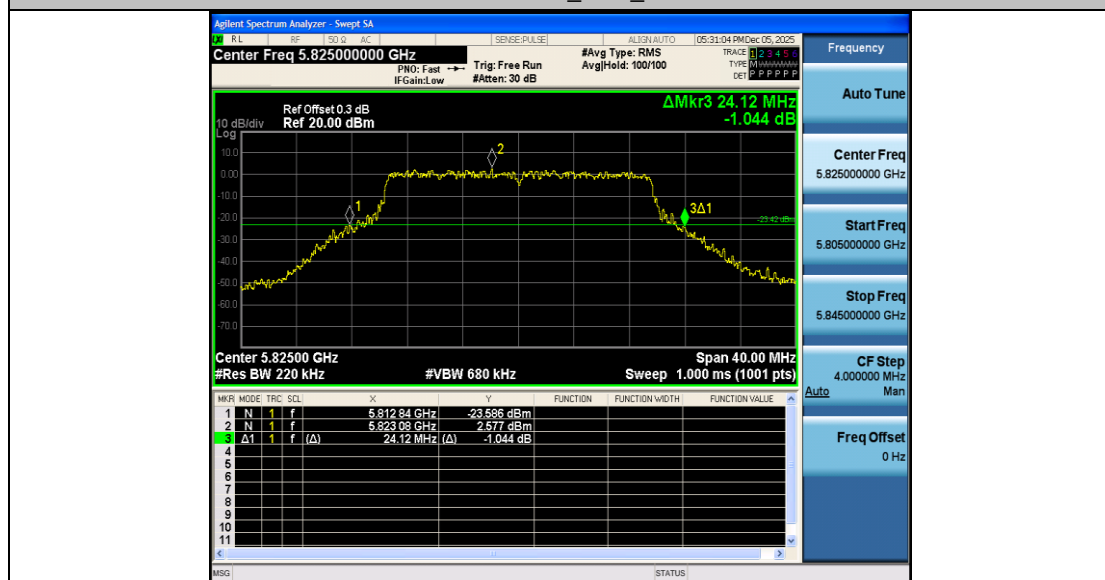
11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



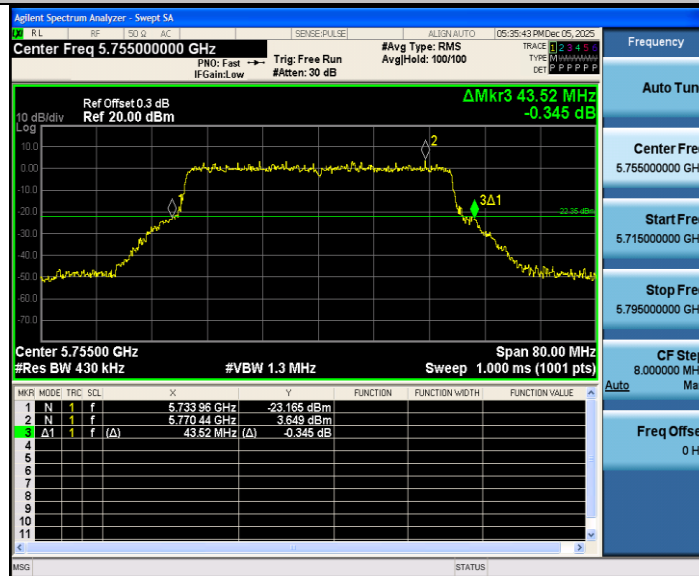
11AX40SISO_Ant1_5190



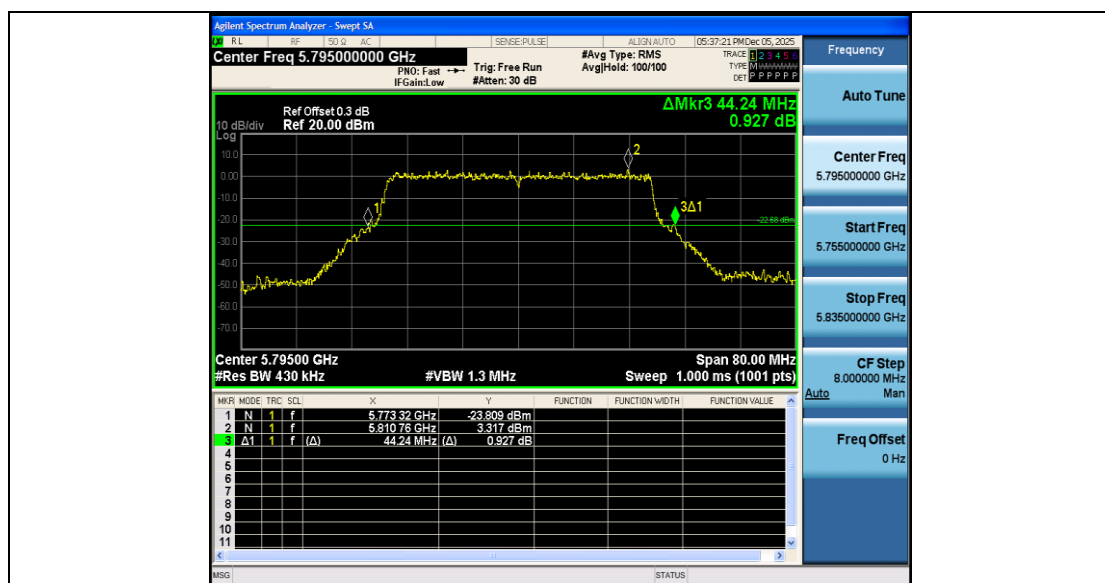
11AX40SISO_Ant1_5230



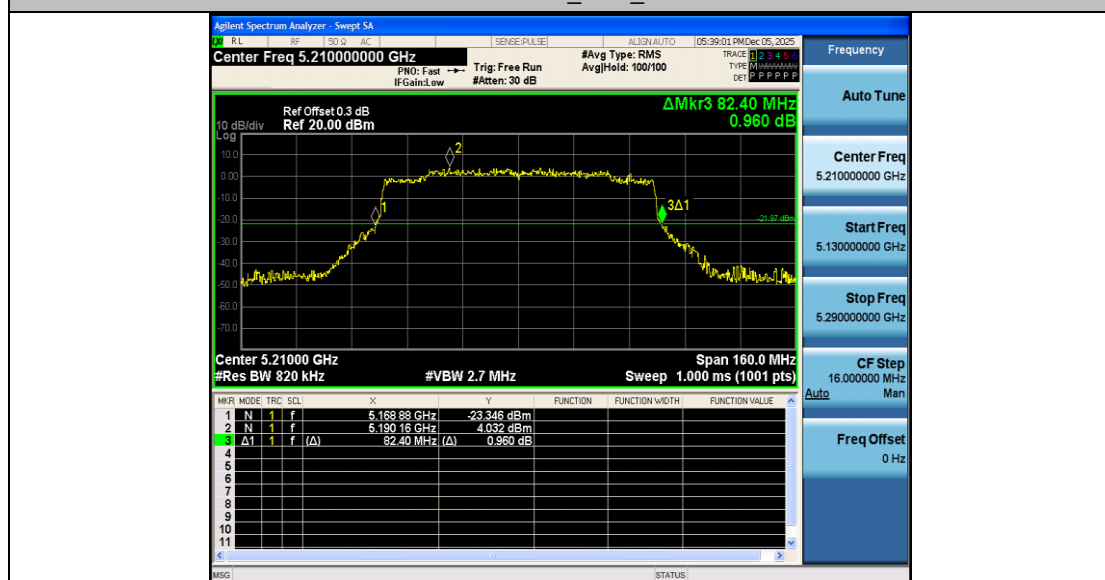
11AX40SISO_Ant1_5755



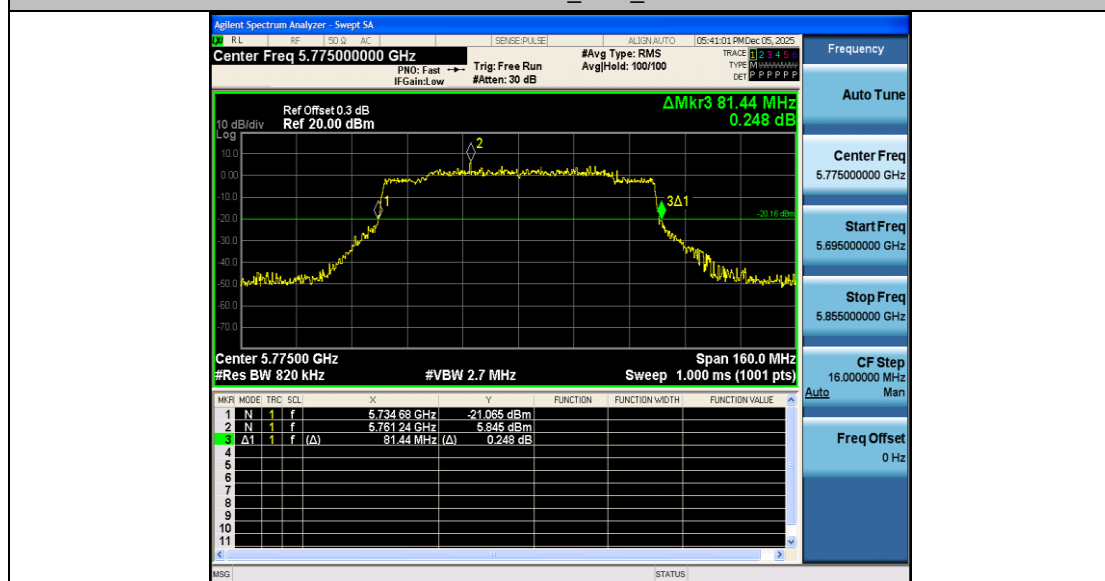
11AX40SISO_Ant1_5795



11AX80SISO_Ant1_5210



11AX80SISO_Ant1_5775



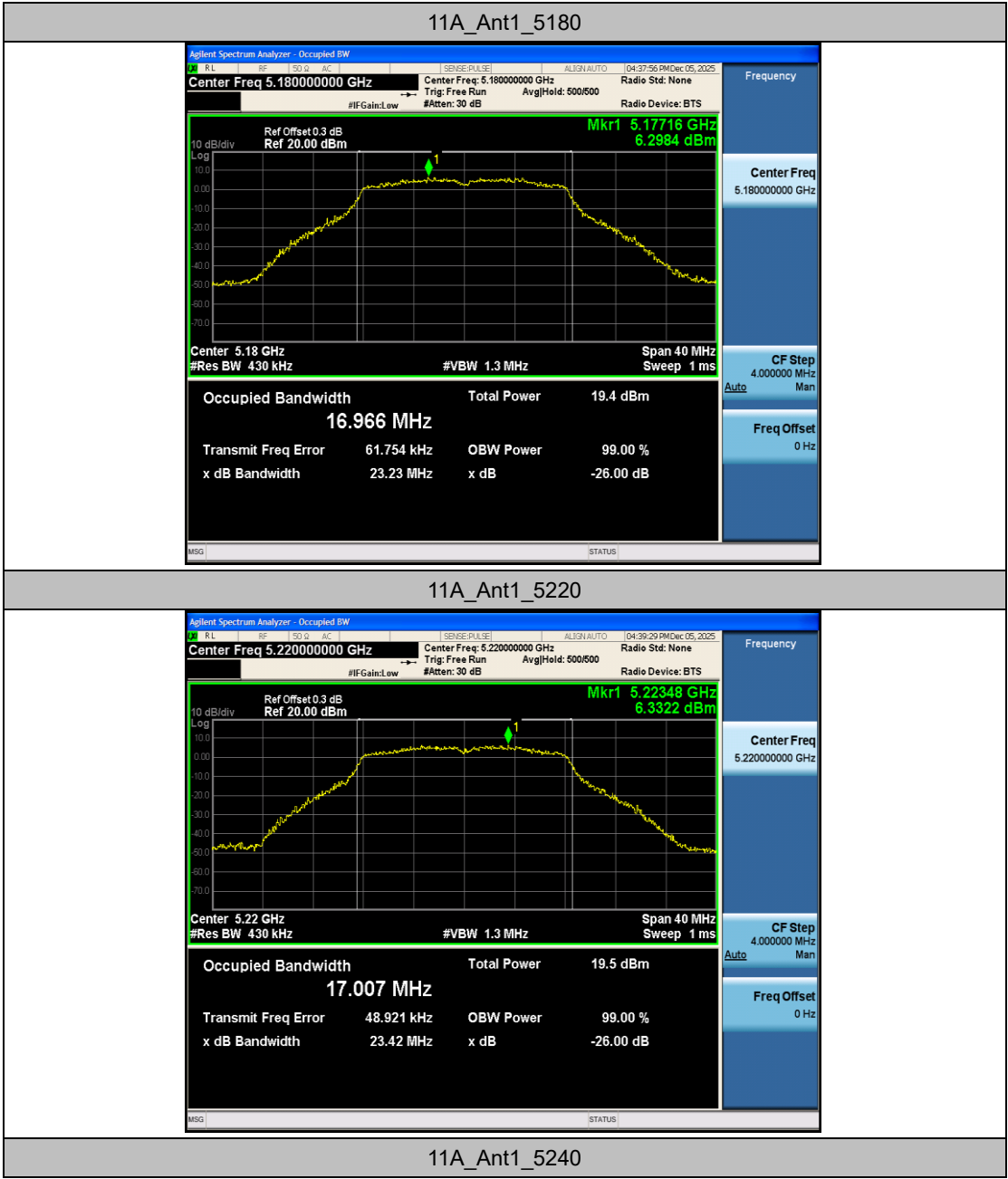
Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.966	5171.5788	5188.5448	---	---
		5220	17.007	5211.5454	5228.5524	---	---
		5240	16.982	5231.5780	5248.5600	---	---
		5745	17.250	5736.4297	5753.6797	---	---
		5785	17.265	5776.3977	5793.6627	---	---
		5825	17.312	5816.3565	5833.6685	---	---
11N20SISO	Ant1	5180	18.054	5171.0287	5189.0827	---	---
		5220	18.012	5211.0022	5229.0142	---	---
		5240	18.039	5230.9989	5249.0379	---	---
		5745	18.372	5735.8268	5754.1988	---	---
		5785	18.296	5775.8577	5794.1537	---	---
		5825	18.344	5815.8231	5834.1671	---	---
11N40SISO	Ant1	5190	36.239	5171.9756	5208.2146	---	---
		5230	36.212	5211.9486	5248.1606	---	---
		5755	36.731	5736.6793	5773.4103	---	---
		5795	36.806	5776.7047	5813.5107	---	---
11AC20SISO	Ant1	5180	17.960	5171.0695	5189.0295	---	---
		5220	17.945	5211.0655	5229.0105	---	---
		5240	18.009	5231.0718	5249.0808	---	---
		5745	18.308	5735.8380	5754.1460	---	---
		5785	18.265	5775.8731	5794.1381	---	---
		5825	18.329	5815.8569	5834.1859	---	---
11AC40SISO	Ant1	5190	36.143	5171.9646	5208.1076	---	---
		5230	36.069	5212.0197	5248.0887	---	---
		5755	36.707	5736.7438	5773.4508	---	---
		5795	36.624	5776.7782	5813.4022	---	---
11AC80SISO	Ant1	5210	75.156	5172.5070	5247.6630	---	---
		5775	75.249	5737.5483	5812.7973	---	---
11AX20SISO	Ant1	5180	18.986	5170.5405	5189.5265	---	---
		5220	18.958	5210.5688	5229.5268	---	---
		5240	18.974	5230.5617	5249.5357	---	---
		5745	19.208	5735.4474	5754.6554	---	---
		5785	19.277	5775.3692	5794.6462	---	---
		5825	19.176	5815.4230	5834.5990	---	---
11AX40SISO	Ant1	5190	37.632	5171.2855	5208.9175	---	---
		5230	37.654	5211.2786	5248.9326	---	---
		5755	38.062	5736.0834	5774.1454	---	---

		5795	38.053	5776.0716	5814.1246	---	---
11AX80SISO	Ant1	5210	76.662	5171.7542	5248.4162	---	---
		5775	76.670	5736.9636	5813.6336	---	---

Test Graphs



11A_Ant1_5220

Agilent Spectrum Analyzer - Occupied BW

Center Freq 5.220000000 GHz

Center Freq: 5.220000000 GHz
Trig: Free Run
#Att: 30 dB

Center Freq: 5.220000000 GHz
Trig: Free Run
Avg/Hold: 500/500

Radio Std: None

Radio Device: BTS

Frequency

Center Freq
5.220000000 GHz

CF Step
4.000000 MHz
Auto Man

Freq Offset
0 Hz

Ref Offset 0.3 dB
Ref 20.00 dBm

Mkr1 5.22348 GHz
6.3322 dBm

10 dB/div
Log

Center 5.22 GHz
#Res BW 430 kHz

#VBW 1.3 MHz

Span 40 MHz
Sweep 1 ms

Occupied Bandwidth
17.007 MHz

Total Power
19.5 dBm

Transmit Freq Error
48.921 kHz

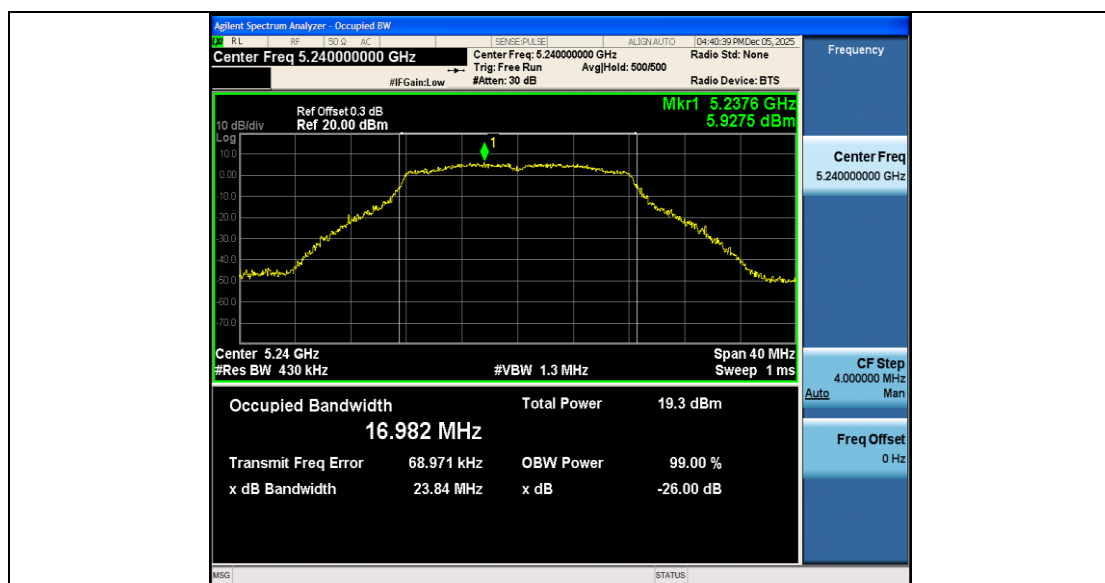
OBW Power
99.00 %

x dB Bandwidth
23.42 MHz

x dB
-26.00 dB

MSG STATUS

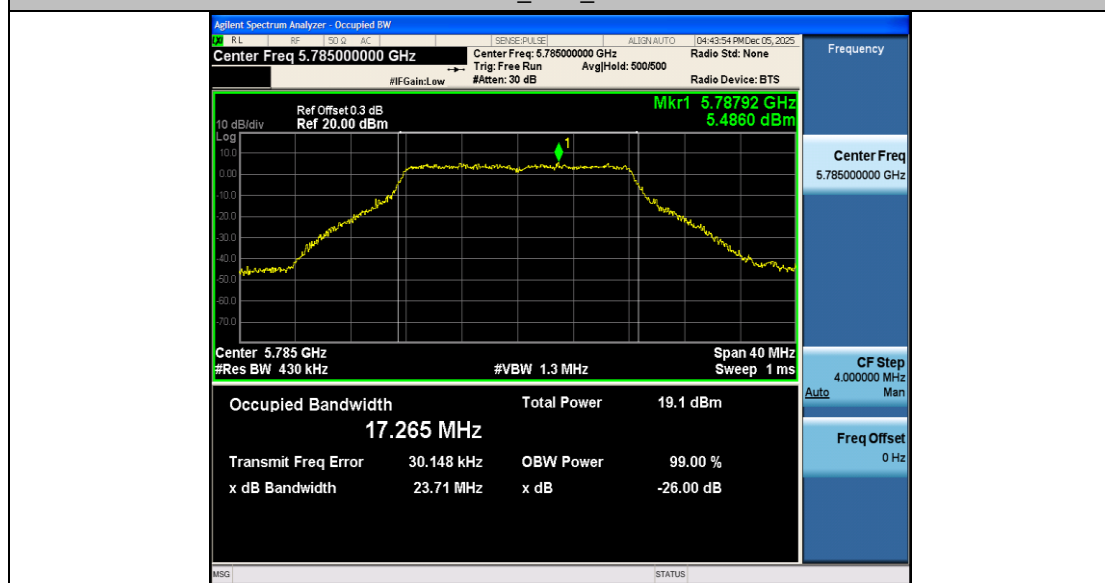
11A_Ant1_5240



11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825



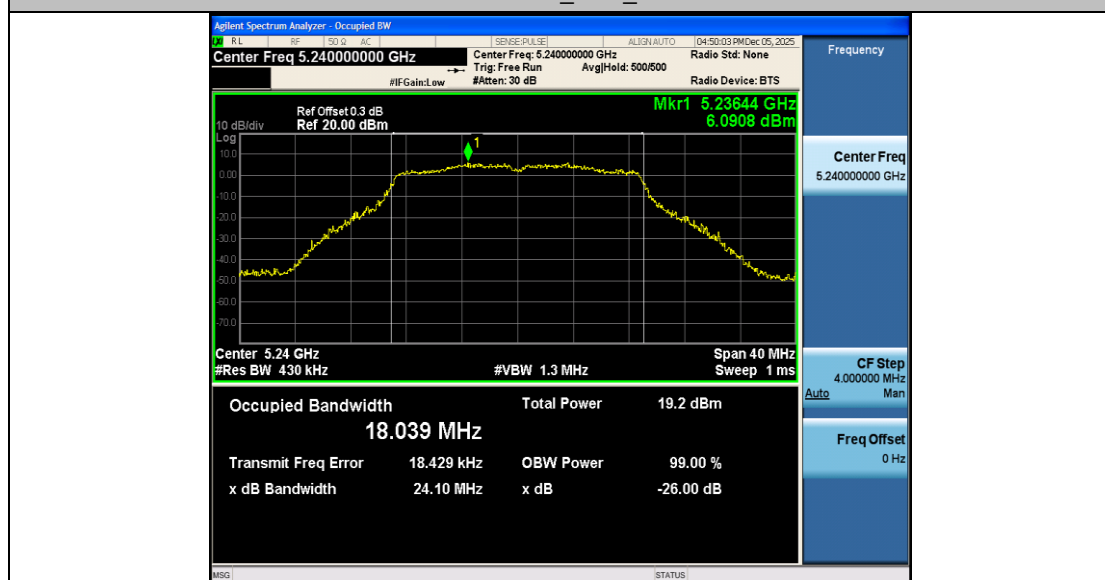
11N20SISO_Ant1_5180



11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



11N20SISO_Ant1_5745

