

FCC Appendix RF Test Data for 5GWIFI

FCC ID : 2BO6V-KI-E086GB

Company : SHENZHEN KINGIMAGE TECHNOLOGY CO.,LTD.

EUT : Interactive intelligent panel

Model Number : KI-E086GB

Report No. : CTA25110401203

Reviewed By : Eric Wang

FCC Appendix RF Test Data for 5GWIFI ANT1

Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	23.240	5168.120	5191.360	---	---
		5220	21.880	5209.160	5231.040	---	---
		5240	22.160	5228.800	5250.960	---	---
		5745	22.960	5733.720	5756.680	---	---
		5785	22.240	5773.760	5796.000	---	---
		5825	22.880	5813.440	5836.320	---	---
11N20SISO	Ant1	5180	22.520	5168.680	5191.200	---	---
		5220	22.320	5208.680	5231.000	---	---
		5240	21.840	5229.200	5251.040	---	---
		5745	23.240	5733.080	5756.320	---	---
		5785	24.040	5773.320	5797.360	---	---
		5825	23.520	5813.000	5836.520	---	---
11N40SISO	Ant1	5190	42.640	5168.720	5211.360	---	---
		5230	42.240	5208.880	5251.120	---	---
		5755	44.960	5732.920	5777.880	---	---
		5795	44.880	5772.920	5817.800	---	---
11AC20SISO	Ant1	5180	22.600	5168.560	5191.160	---	---
		5220	22.520	5208.720	5231.240	---	---
		5240	22.600	5228.840	5251.440	---	---
		5745	23.520	5733.120	5756.640	---	---
		5785	22.920	5773.520	5796.440	---	---
		5825	23.640	5813.040	5836.680	---	---
11AC40SISO	Ant1	5190	42.240	5169.200	5211.440	---	---
		5230	41.920	5209.440	5251.360	---	---
		5755	44.320	5733.480	5777.800	---	---
		5795	44.960	5772.920	5817.880	---	---
11AC80SISO	Ant1	5210	84.640	5167.440	5252.080	---	---
		5775	84.320	5732.600	5816.920	---	---

Test Graphs



11A_Ant1_5220

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.220000000 GHz

Ref Offset 0.6 dB
Ref 20.00 dBm

Trig: Free Run
#Att: 30 dB

#Avg Type: RMS
Avg/Hold: 100/100

01:11:14 PM Nov 19, 2025

Frequency

Auto Tune

Center Freq
5.220000000 GHz

Start Freq
5.200000000 GHz

Stop Freq
5.240000000 GHz

CF Step
4.0000000 MHz
Auto Man

Freq Offset
0 Hz

10 dB/div
Log

Ref Offset 0.6 dB
Ref 20.00 dBm

Δ Mkr3 21.88 MHz
-0.443 dB

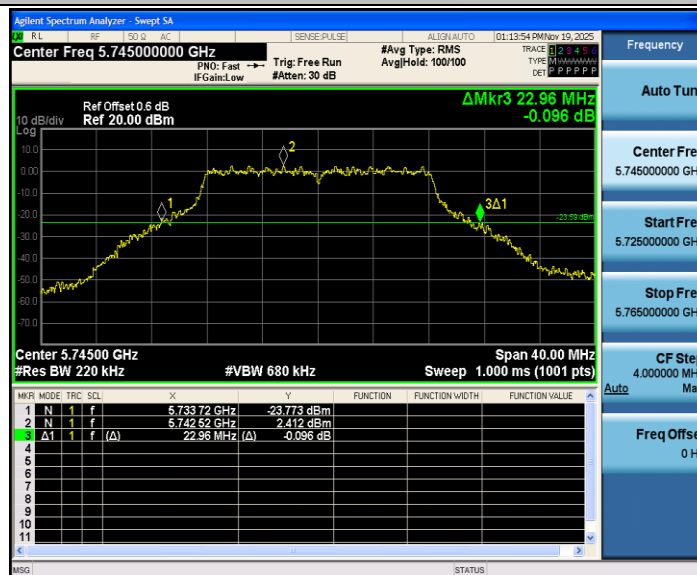
Center 5.22000 GHz
#Res BW 220 kHz
#VBW 680 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

MR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	5.209 16 GHz	-22.733 dBm			
2	N	1	f	5.223 80 GHz	3.826 dBm			
3	Δ 1	1	f	21.88 MHz (Δ)	-0.443 dB			

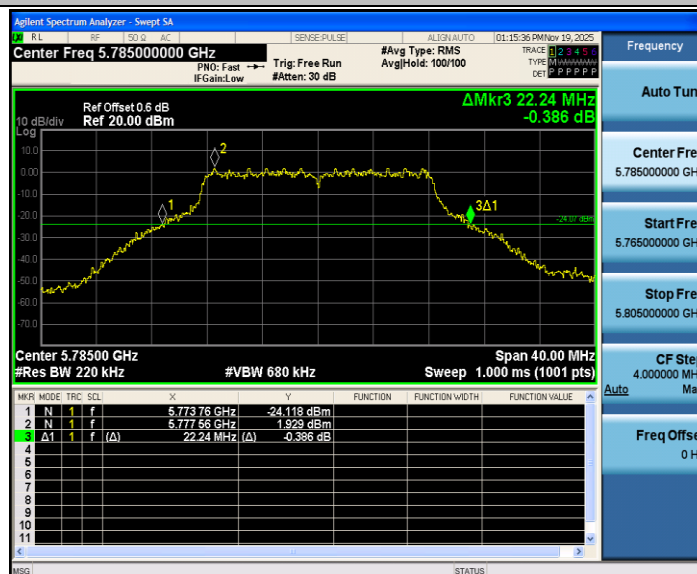
11A_Ant1_5240



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



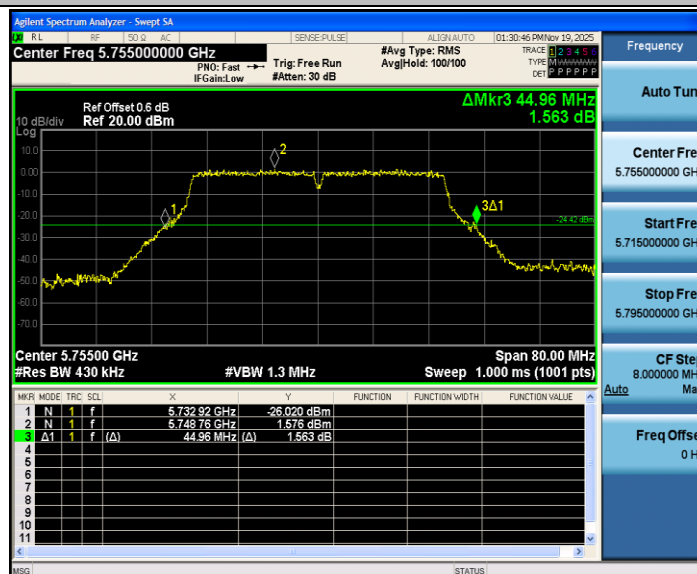
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



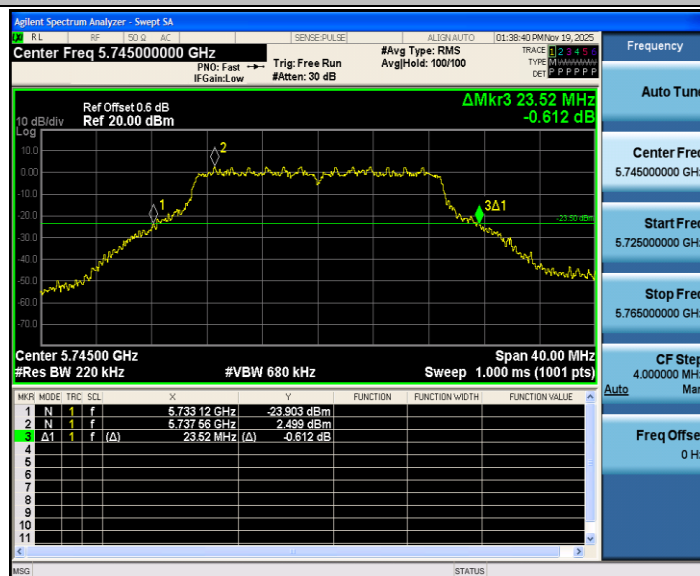
11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



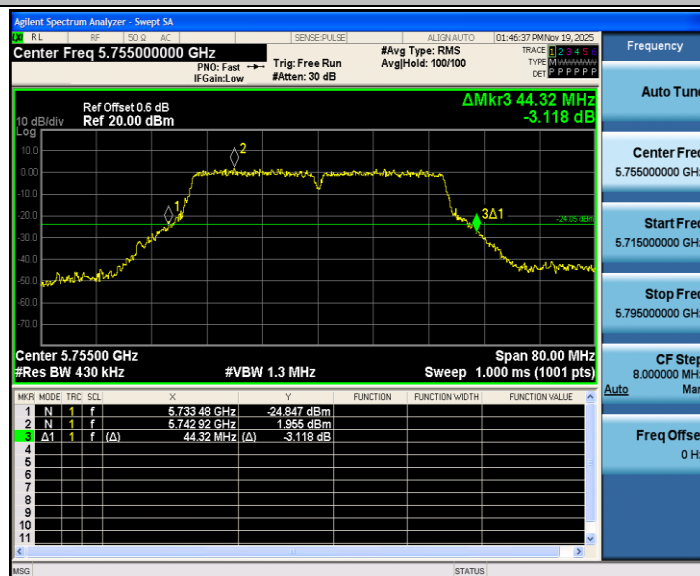
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



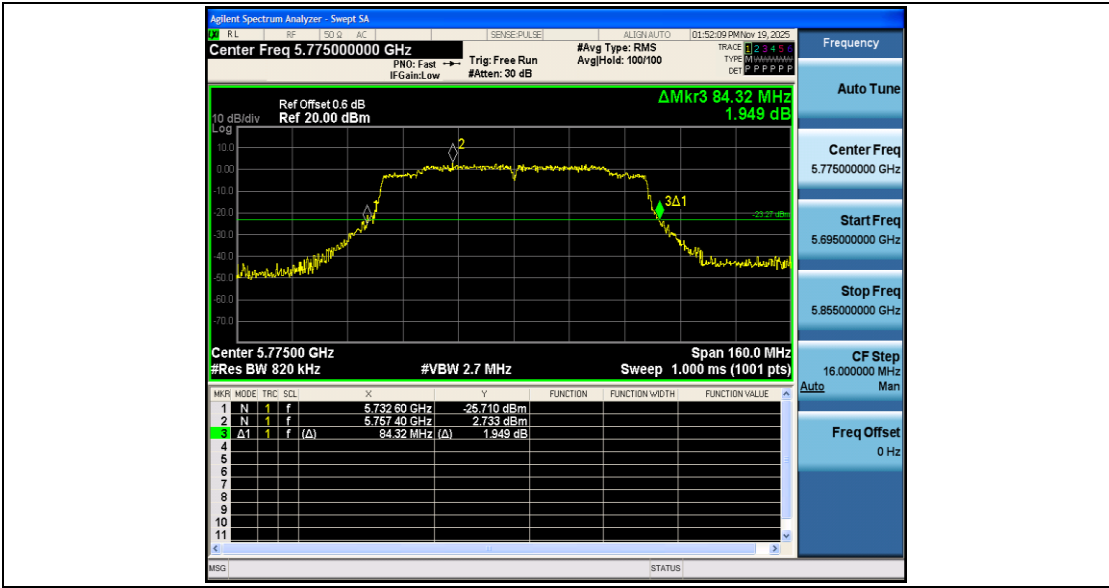
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



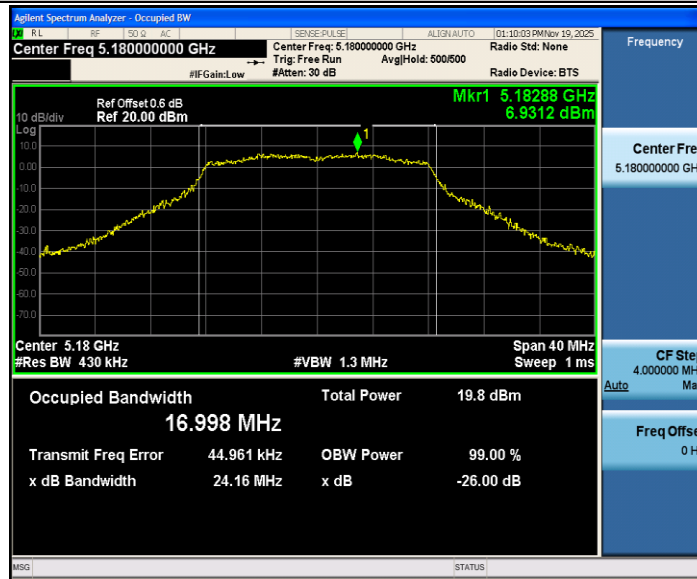
Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.998	5171.5460	5188.5440	---	---
		5220	17.007	5211.5387	5228.5457	---	---
		5240	16.978	5231.5607	5248.5387	---	---
		5745	17.316	5736.3998	5753.7158	---	---
		5785	17.275	5776.4013	5793.6763	---	---
		5825	17.326	5816.3763	5833.7023	---	---
11N20SISO	Ant1	5180	17.993	5171.0264	5189.0194	---	---
		5220	18.008	5211.0453	5229.0533	---	---
		5240	18.025	5231.0105	5249.0355	---	---
		5745	18.302	5735.8376	5754.1396	---	---
		5785	18.337	5775.8503	5794.1873	---	---
		5825	18.350	5815.8515	5834.2015	---	---
11N40SISO	Ant1	5190	36.221	5171.9981	5208.2191	---	---
		5230	36.271	5211.9674	5248.2384	---	---
		5755	36.704	5736.7340	5773.4380	---	---
		5795	36.739	5776.7228	5813.4618	---	---
11AC20SISO	Ant1	5180	17.996	5171.0397	5189.0357	---	---
		5220	18.036	5211.0045	5229.0405	---	---
		5240	17.983	5231.0399	5249.0229	---	---
		5745	18.304	5735.8714	5754.1754	---	---
		5785	18.371	5775.8307	5794.2017	---	---
		5825	18.295	5815.9096	5834.2046	---	---
11AC40SISO	Ant1	5190	36.202	5171.9674	5208.1694	---	---
		5230	36.144	5212.0001	5248.1441	---	---
		5755	36.763	5736.6989	5773.4619	---	---
		5795	36.703	5776.7215	5813.4245	---	---
11AC80SISO	Ant1	5210	75.203	5172.6025	5247.8055	---	---
		5775	75.196	5737.5823	5812.7783	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5220



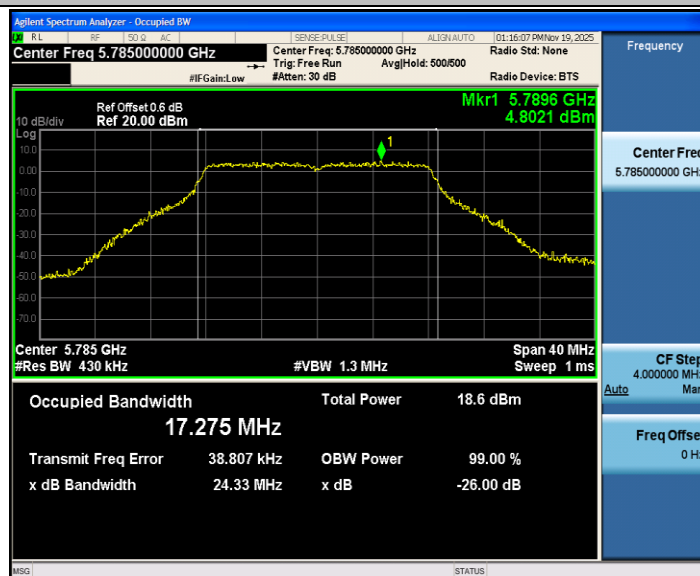
11A_Ant1_5240



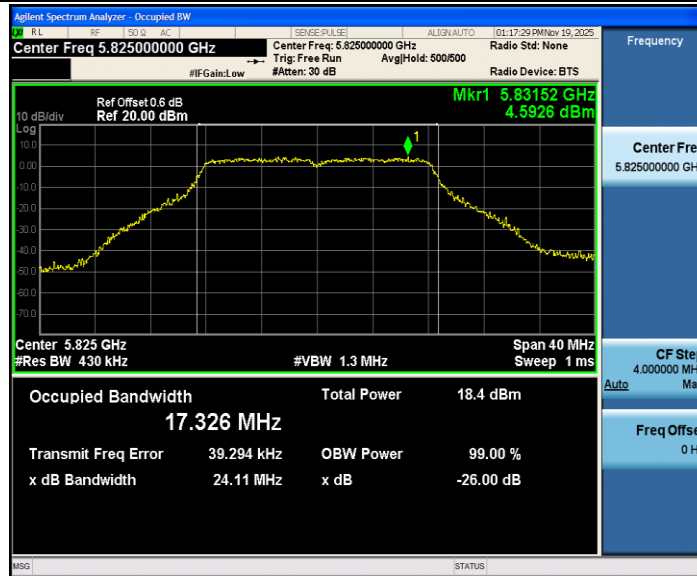
11A_Ant1_5745



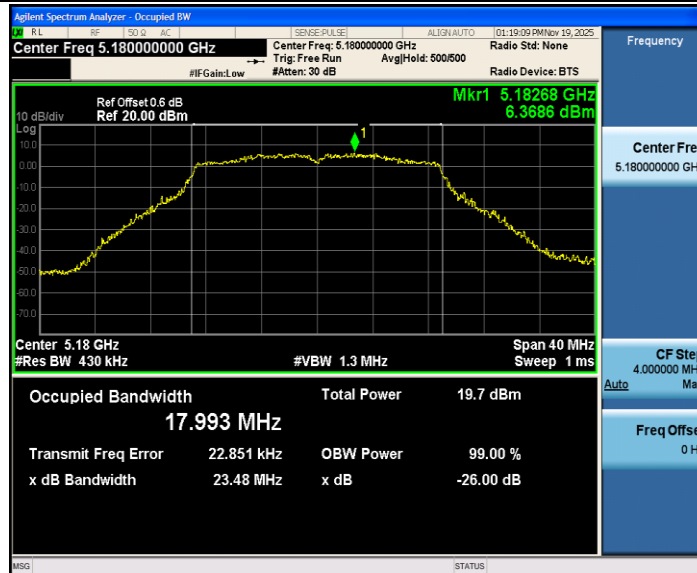
11A_Ant1_5785



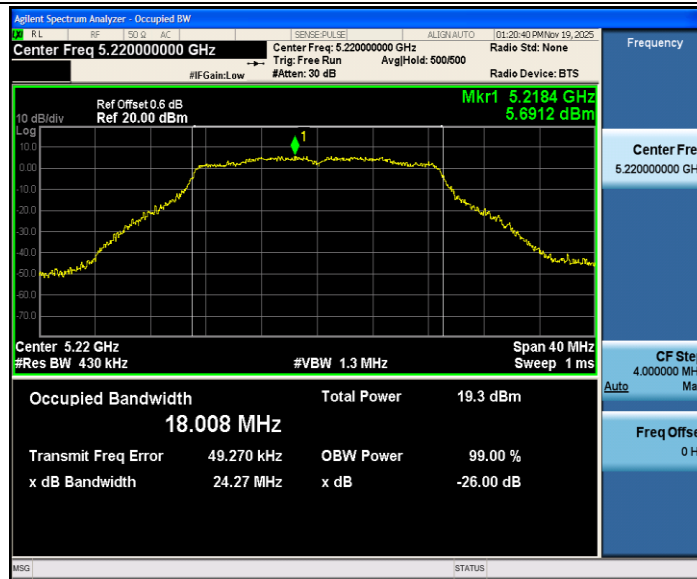
11A_Ant1_5825



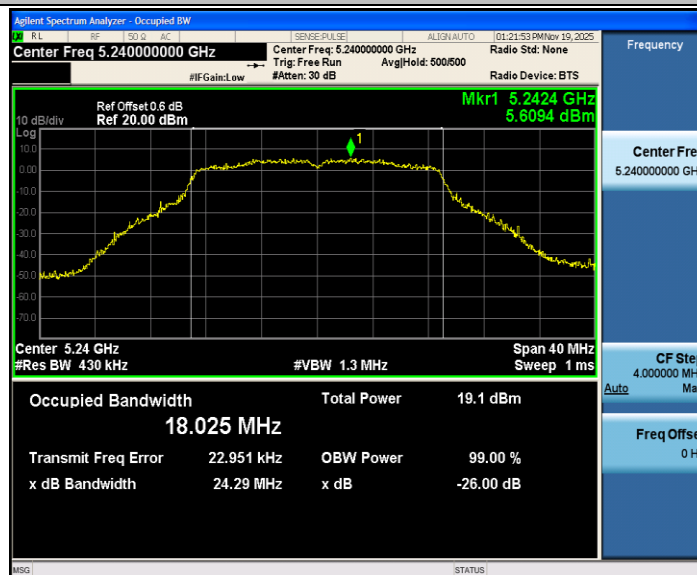
11N20SISO_Ant1_5180



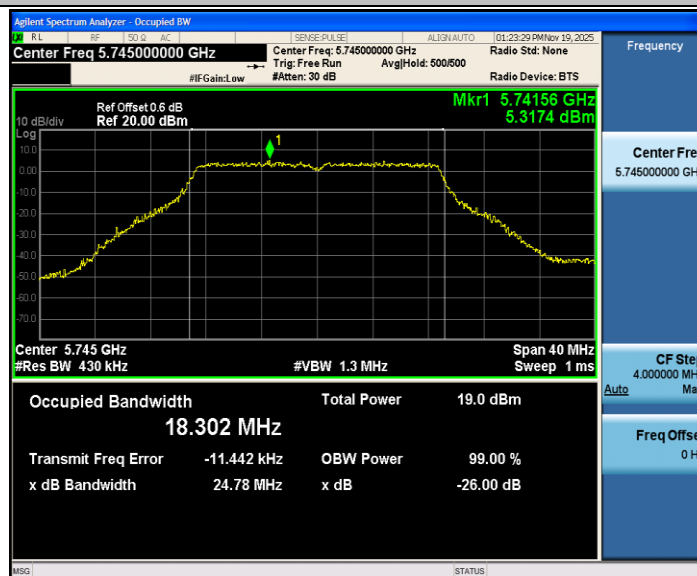
11N20SISO_Ant1_5220



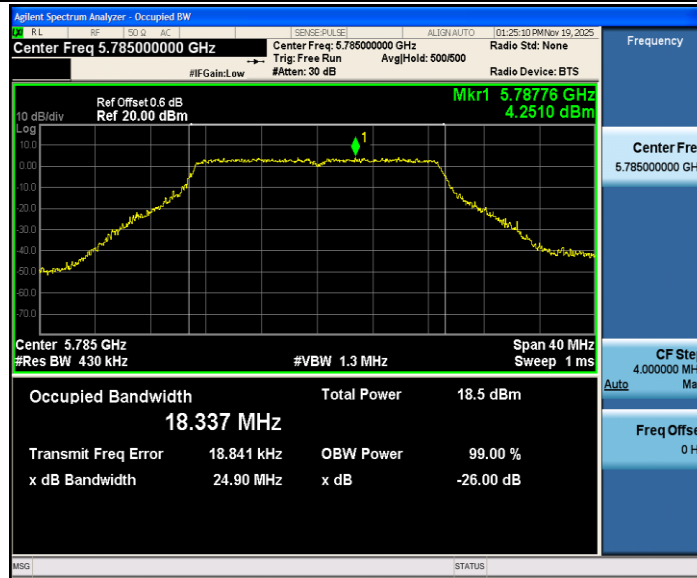
11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



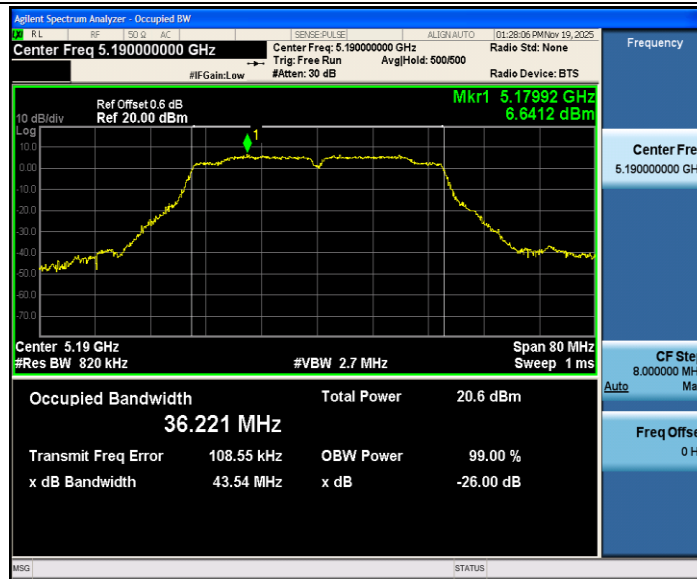
11N20SISO_Ant1_5785



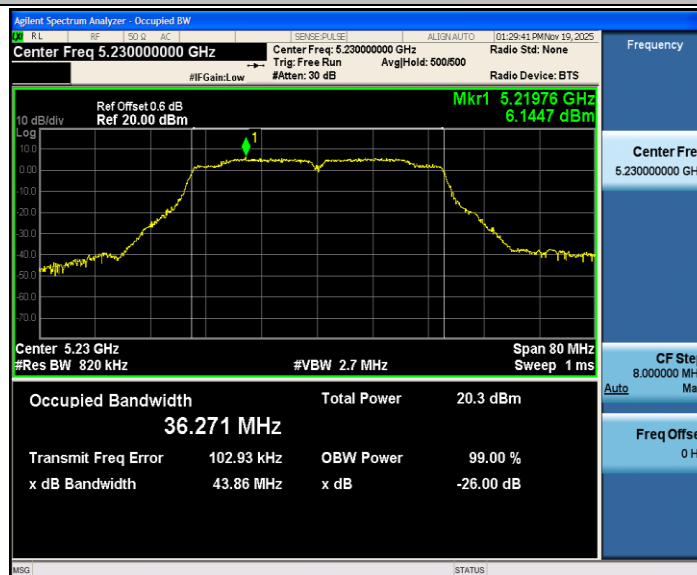
11N20SISO_Ant1_5825



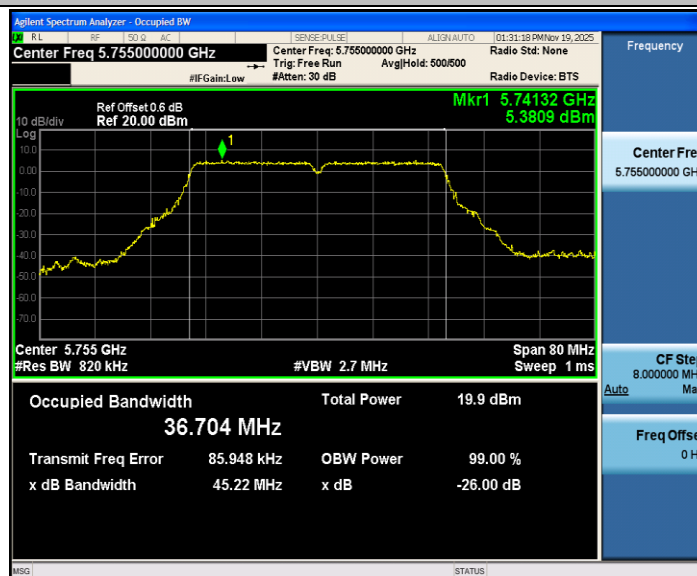
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



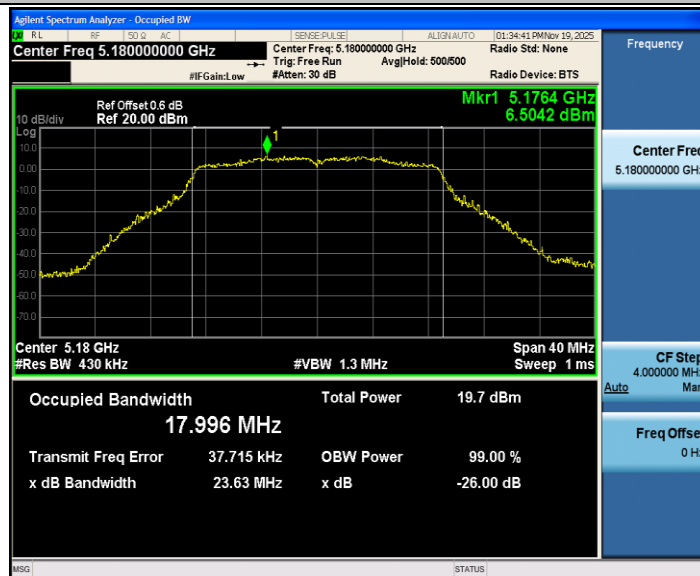
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



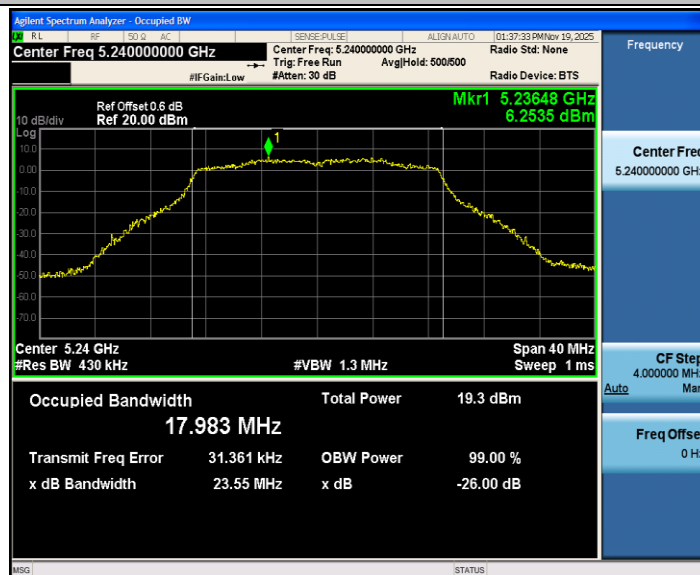
11AC20SISO_Ant1_5180



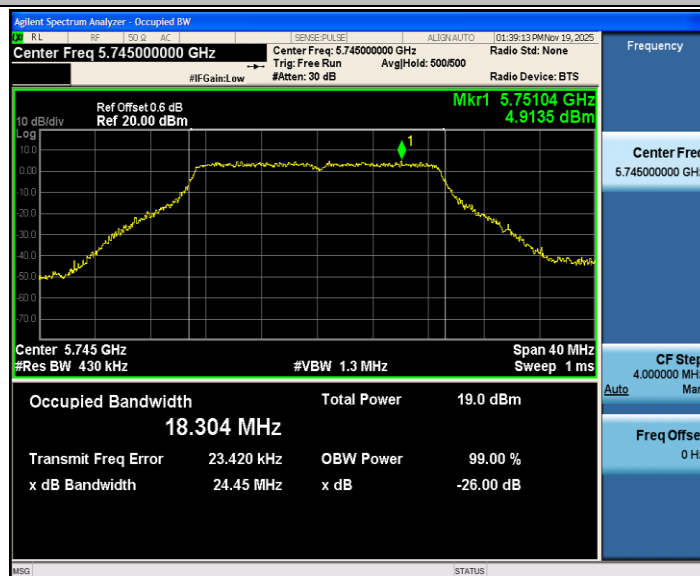
11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



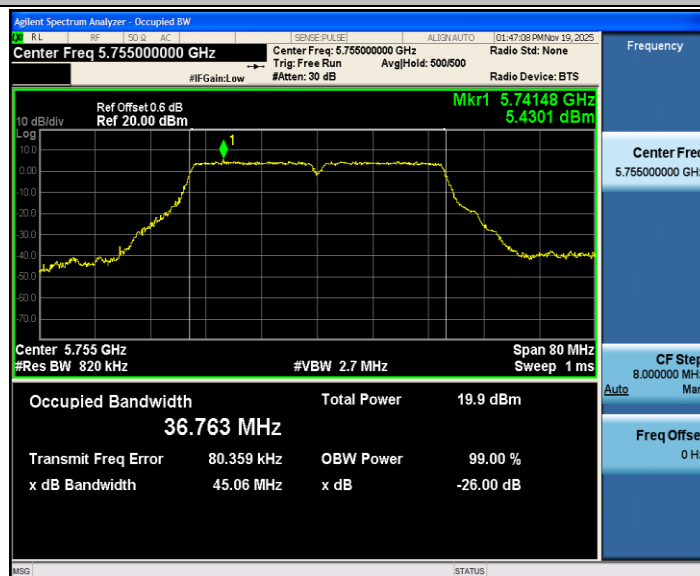
11AC40SISO_Ant1_5190



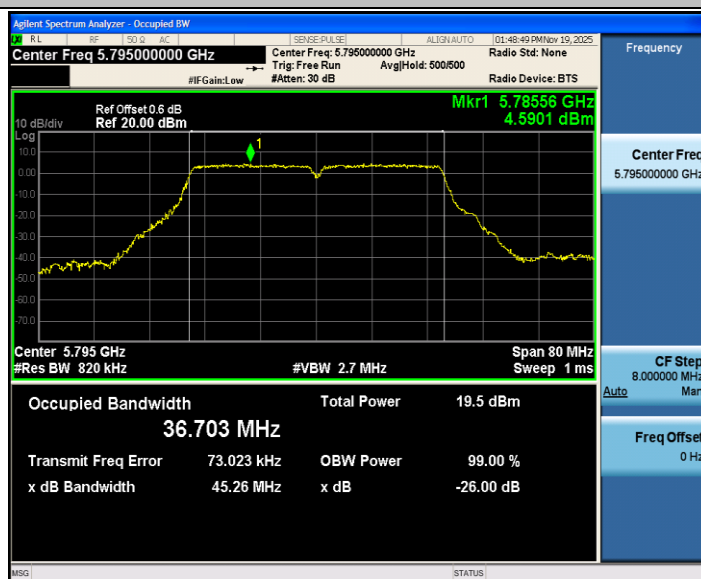
11AC40SISO_Ant1_5230



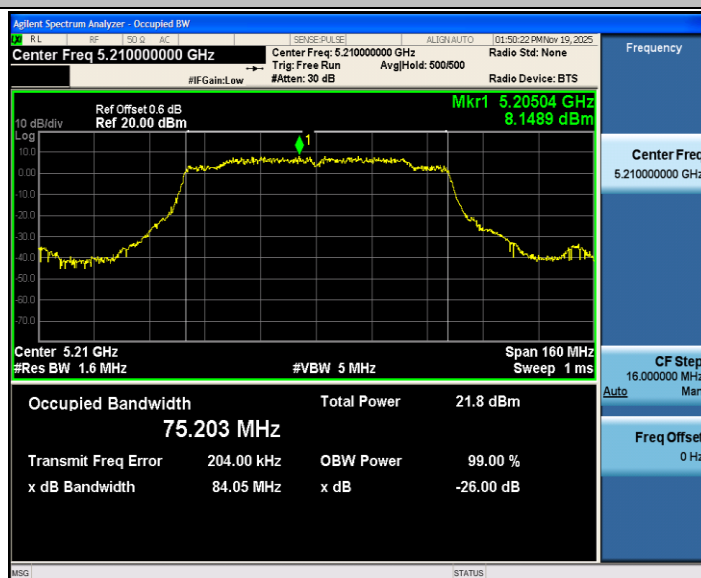
11AC40SISO_Ant1_5755



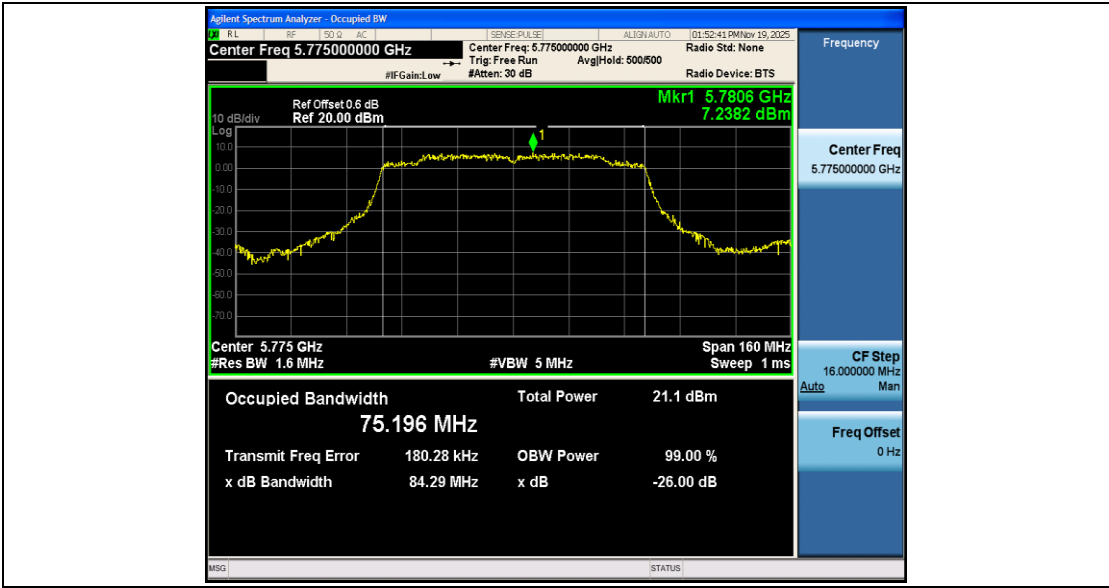
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775

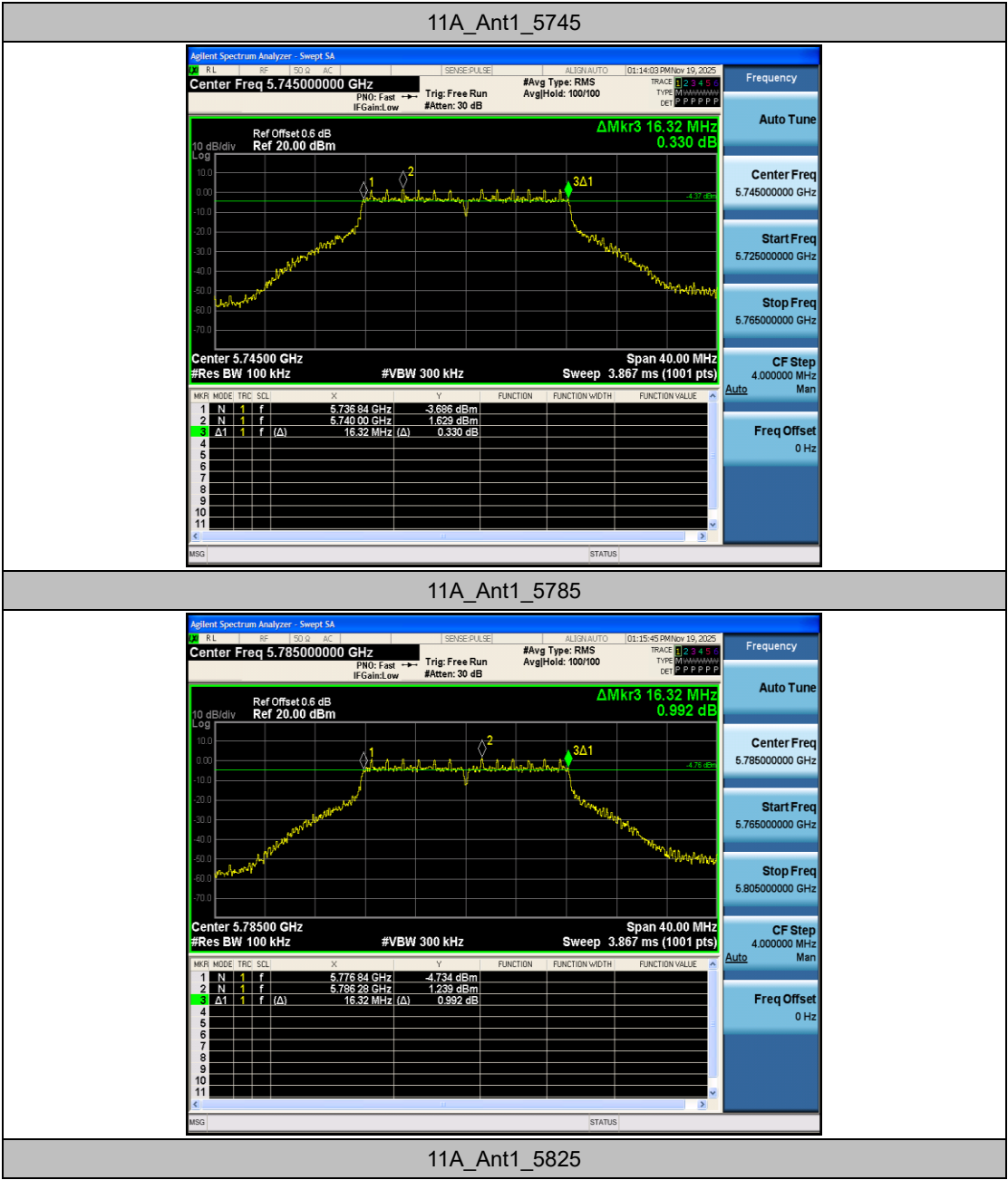


Appendix A3: Min emission bandwidth

Test Result B4

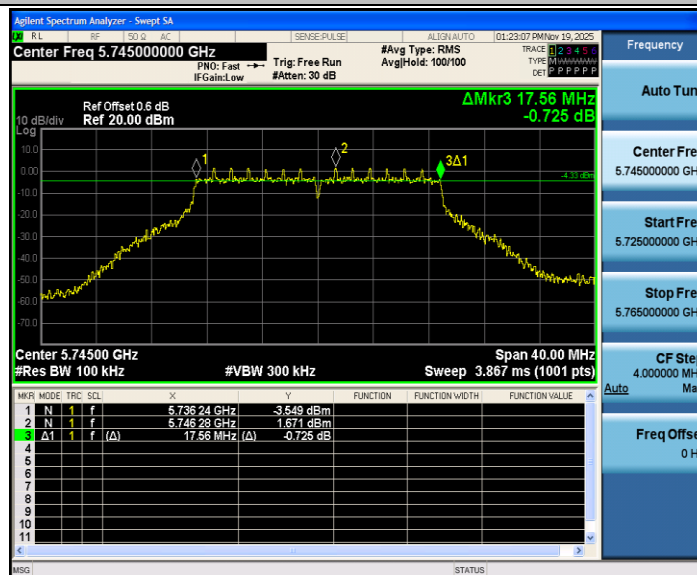
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.840	5753.160	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.360	5816.840	5833.200	0.5	PASS
11N20SISO	Ant1	5745	17.560	5736.240	5753.800	0.5	PASS
		5785	17.520	5776.240	5793.760	0.5	PASS
		5825	17.520	5816.240	5833.760	0.5	PASS
11N40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.520	5736.240	5753.760	0.5	PASS
		5785	17.560	5776.240	5793.800	0.5	PASS
		5825	17.320	5816.440	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5736.840	5773.160	0.5	PASS
		5795	36.320	5776.840	5813.160	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

Test Graphs B4

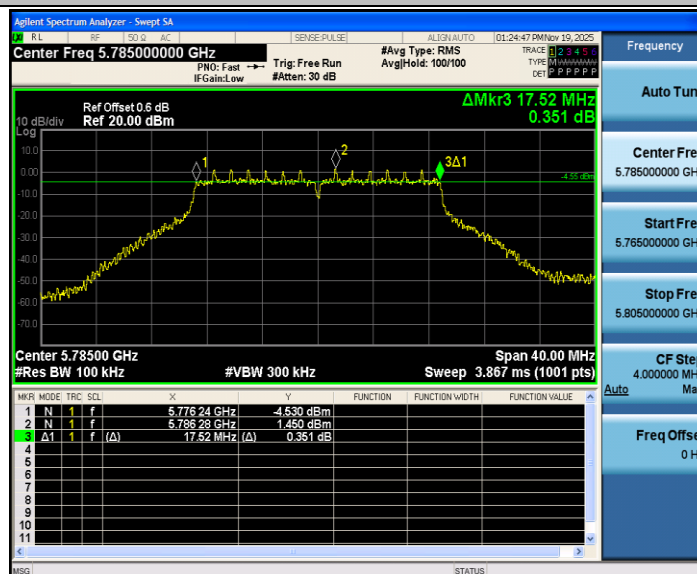




11N20SISO_Ant1_5745



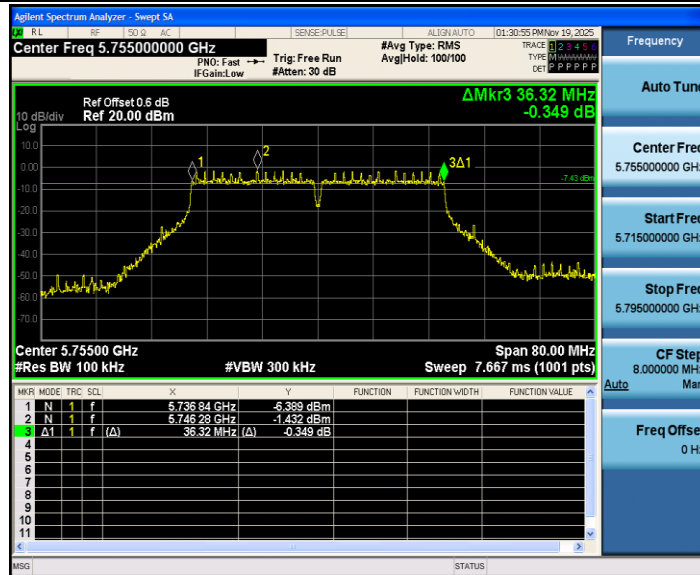
11N20SISO_Ant1_5785



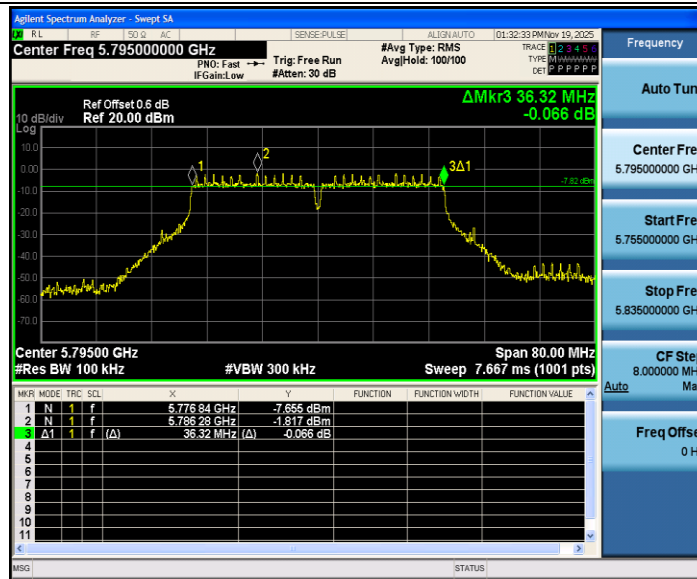
11N20SISO_Ant1_5825



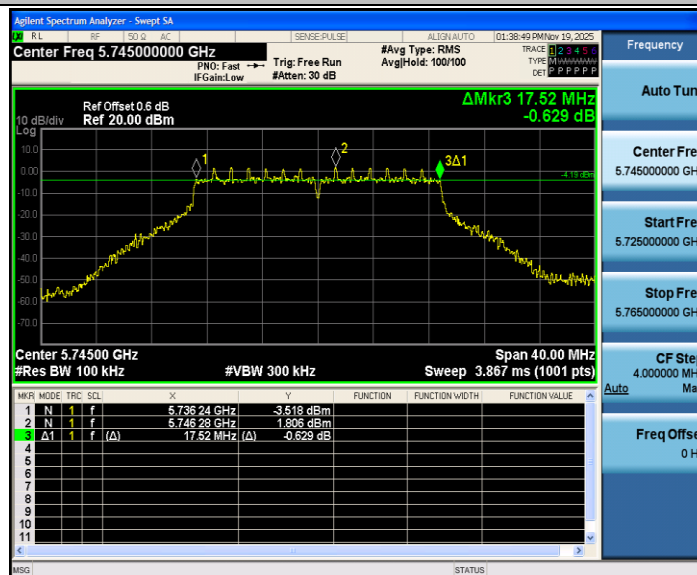
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785

