

Mode1 / Polarization: Vertical / CH: H

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		11650.000	44.97	12.19	57.16	68.20	-11.04	peak
2		11650.000	33.13	12.19	45.32	54.00	-8.68	AVG
3		17475.000	45.75	14.88	60.63	68.20	-7.57	peak
4	*	17475.000	33.79	14.88	48.67	54.00	-5.33	AVG

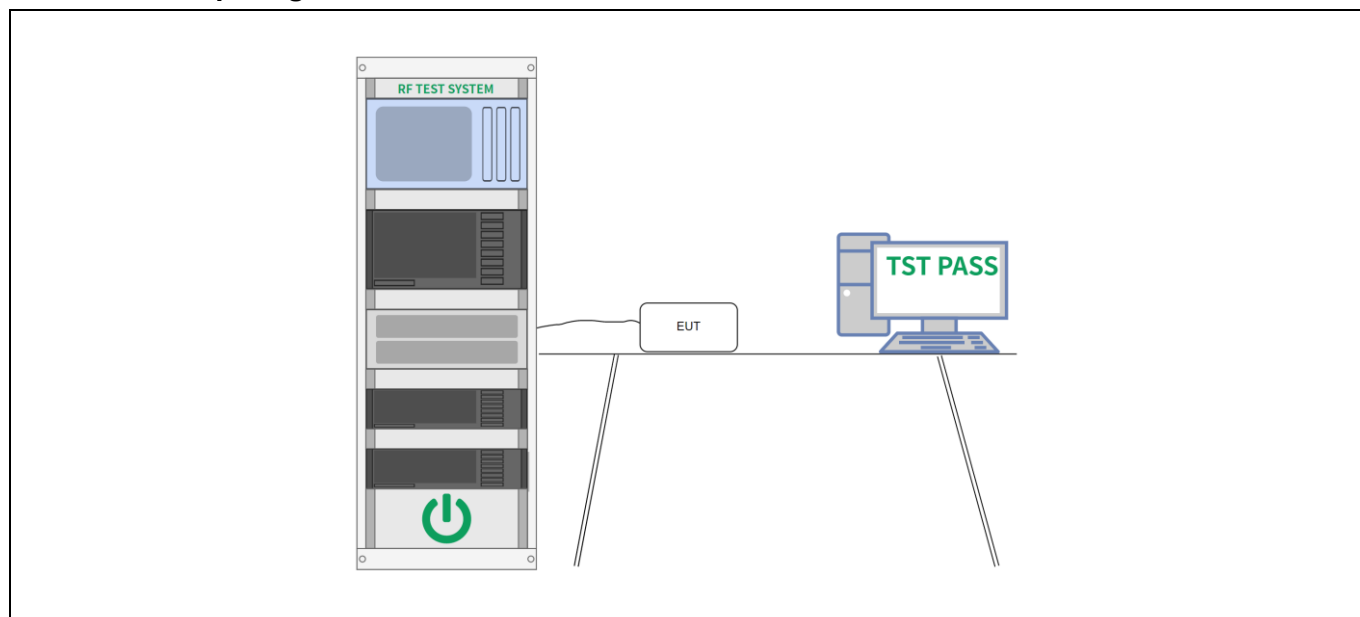
6.8 Frequency stability

Test Requirement:	47 CFR Part 15.407(g)
Test Limit:	Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.
Test Method:	ANSI C63.10-2020, section 6.8
Procedure:	Refer to ANSI C63.10-2020 section 6.8

6.8.1 E.U.T. Operation:

Operating Environment:					
Temperature:	0 °C	Humidity:	0 %	Atmospheric Pressure:	0 kPa
Pre test mode:	Mode1, Mode2, Mode3, Mode4, Mode5, Mode6				
Final test mode:	Mode1, Mode2, Mode3, Mode4, Mode5, Mode6				

6.8.2 Test Setup Diagram:



6.8.3 Test Data:

Please Refer to Appendix for Details.

Photographs of the test setup

Refer to Appendix - Test Setup Photos

Photographs of the EUT

Refer to Appendix - EUT Photos

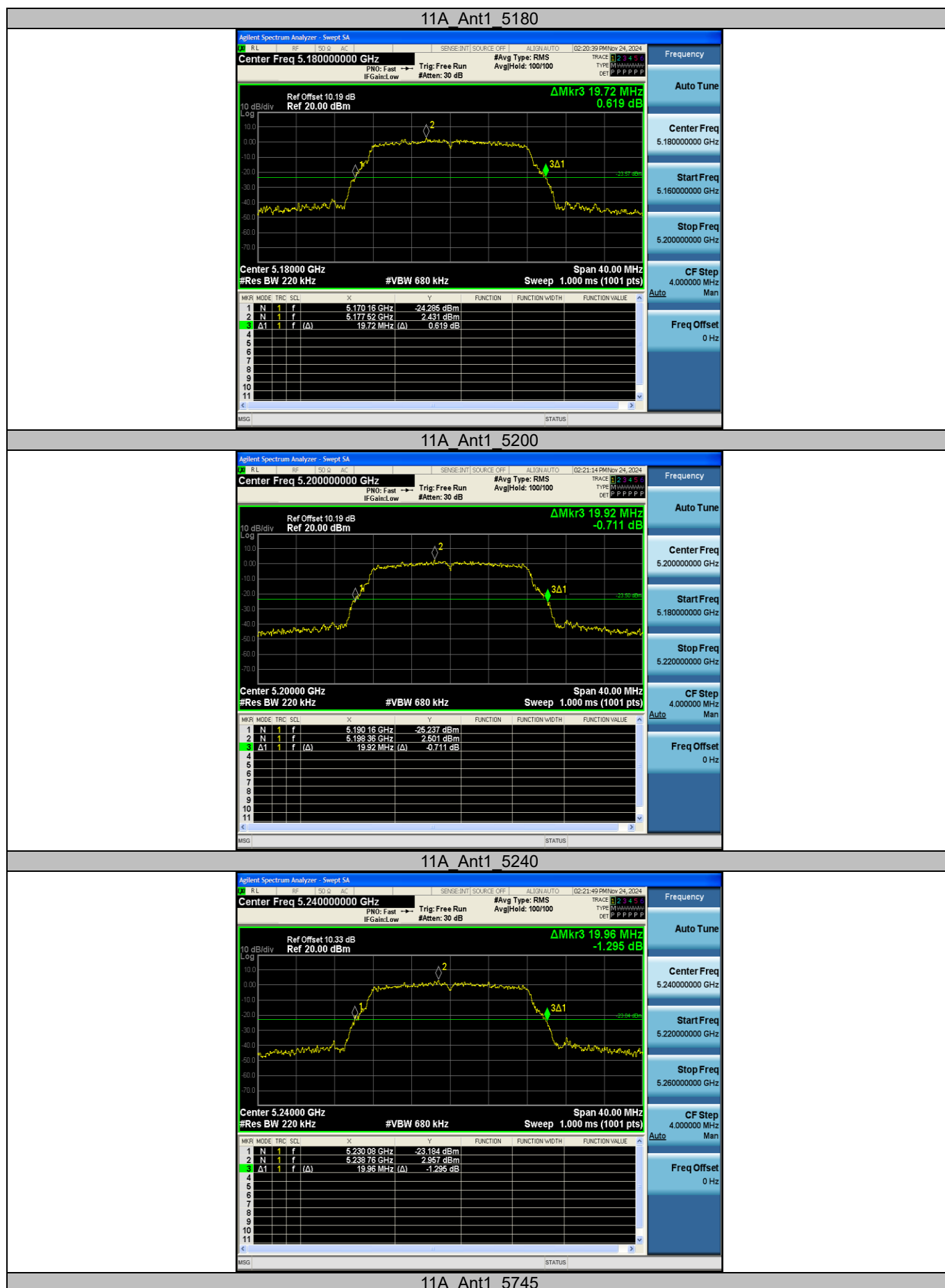
Appendix

Appendix A1: Emission bandwidth (26dB bandwidth)

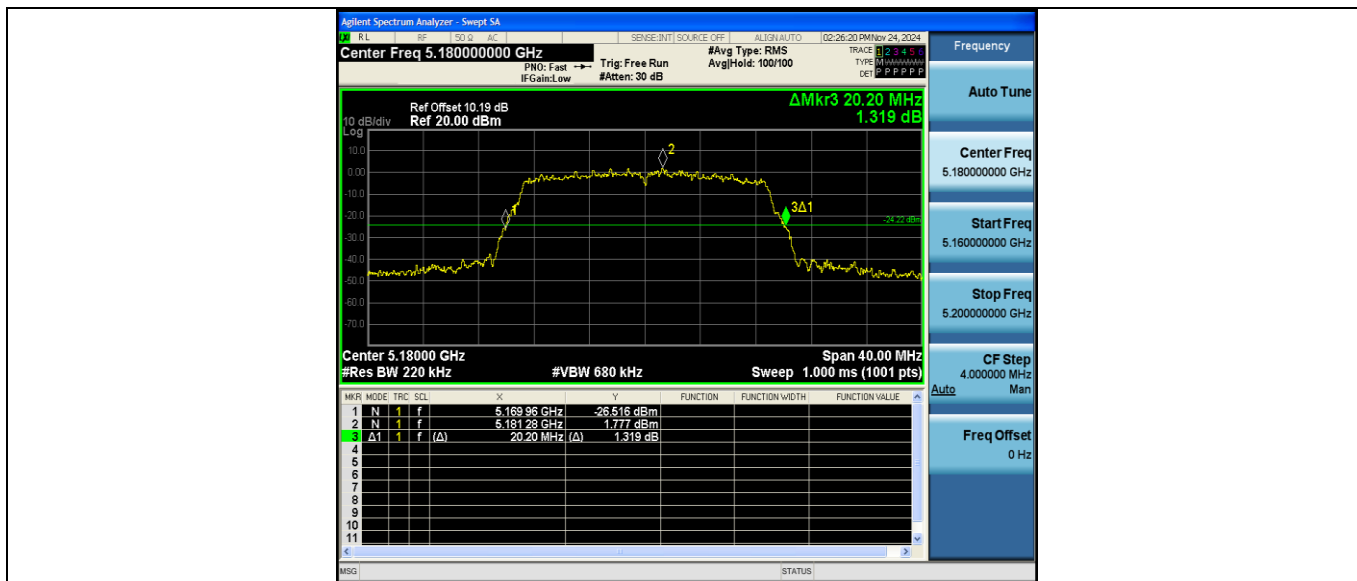
Test Result

Test Mode	Antenna	Frequency [MHz]	26db EBW [MHz]
11A	Ant1	5180	19.720
		5200	19.920
		5240	19.960
		5745	19.920
		5785	20.080
		5825	19.720
11N20SISO	Ant1	5180	20.200
		5200	20.040
		5240	20.160
		5745	20.440
		5785	20.120
		5825	20.000
11N40SISO	Ant1	5190	40.640
		5230	40.640
		5755	40.560
		5795	41.120
11AC20SISO	Ant1	5180	20.200
		5200	20.160
		5240	20.320
		5745	20.080
		5785	20.040
		5825	20.320
11AC40SISO	Ant1	5190	40.400
		5230	40.560
		5755	40.640
		5795	40.640
11AC80SISO	Ant1	5210	81.440
		5775	80.640

Test Graphs







11N20SISO_Ant1_5200



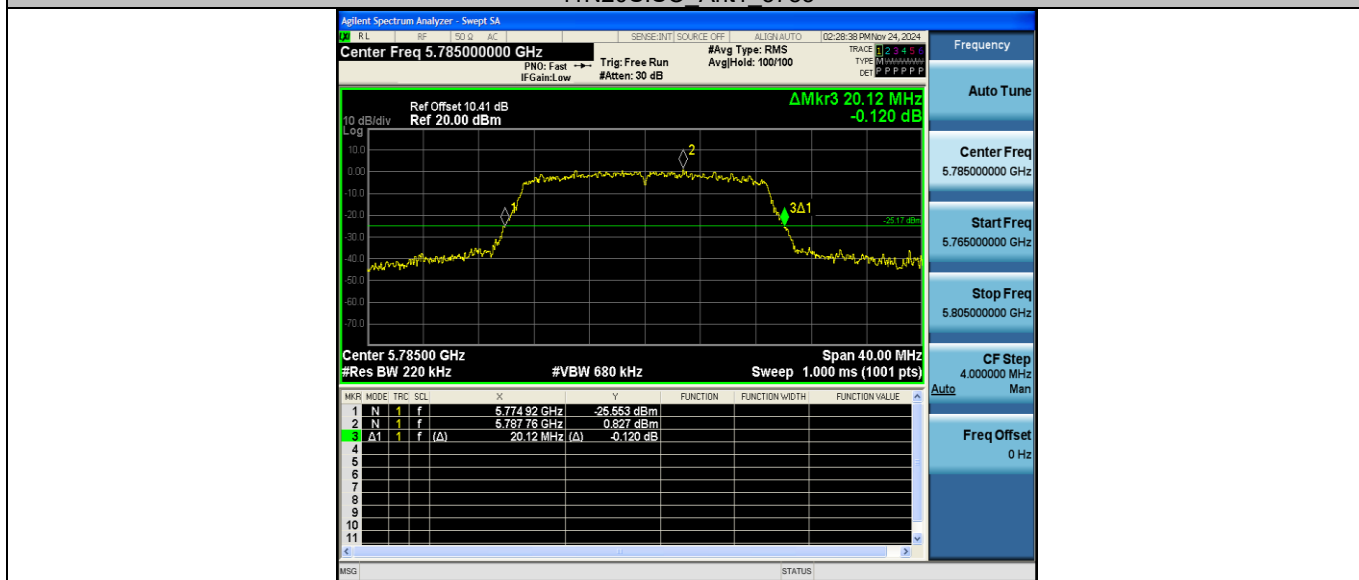
11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO Ant1 5785



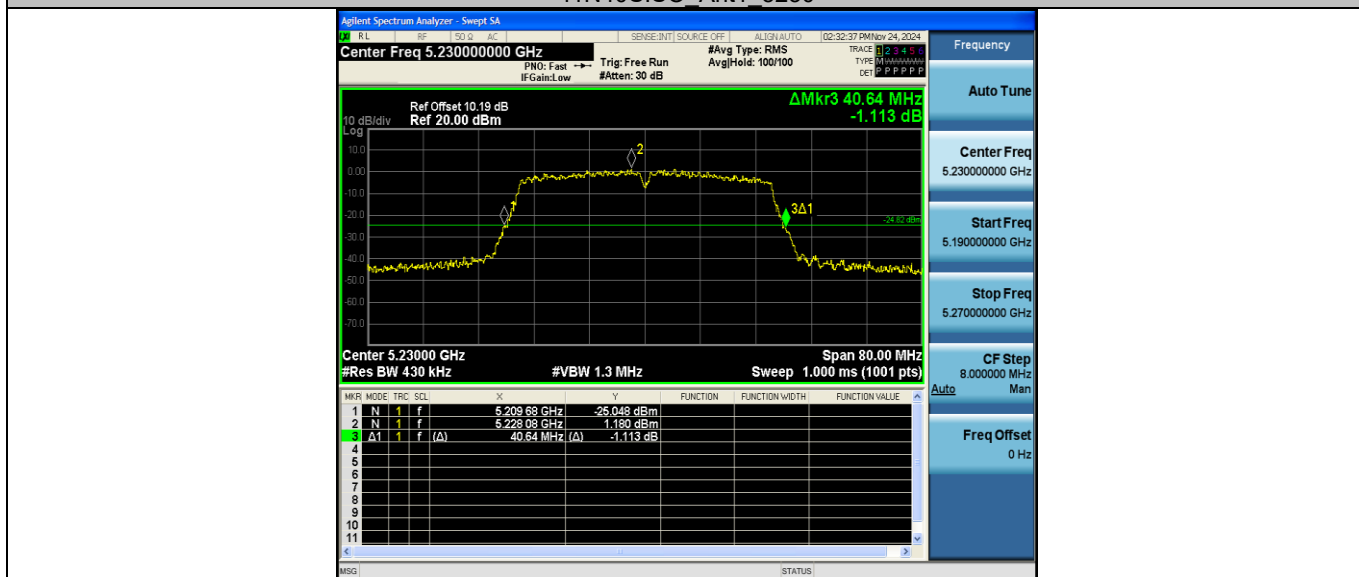
11N20SISO Ant1 5825



11N40SISO Ant1 5190



11N40SISO_Ant1_5230



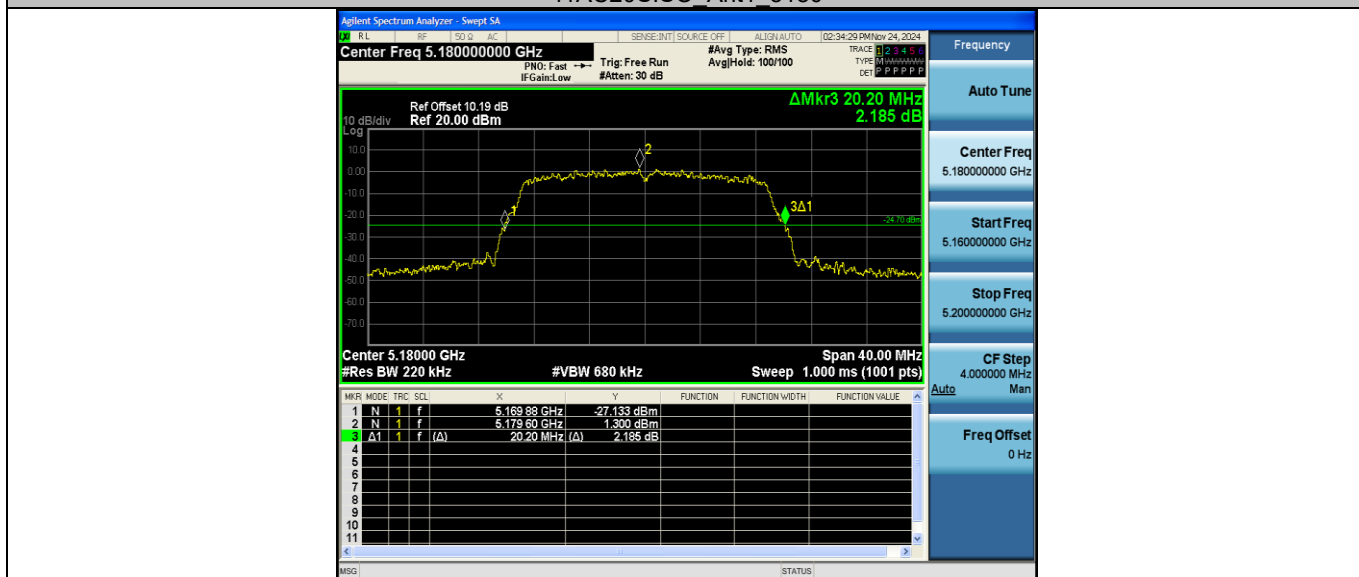
11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11AC20SISO Ant1 5180



11AC20SISO Ant1 5200



11AC20SISO Ant1 5240



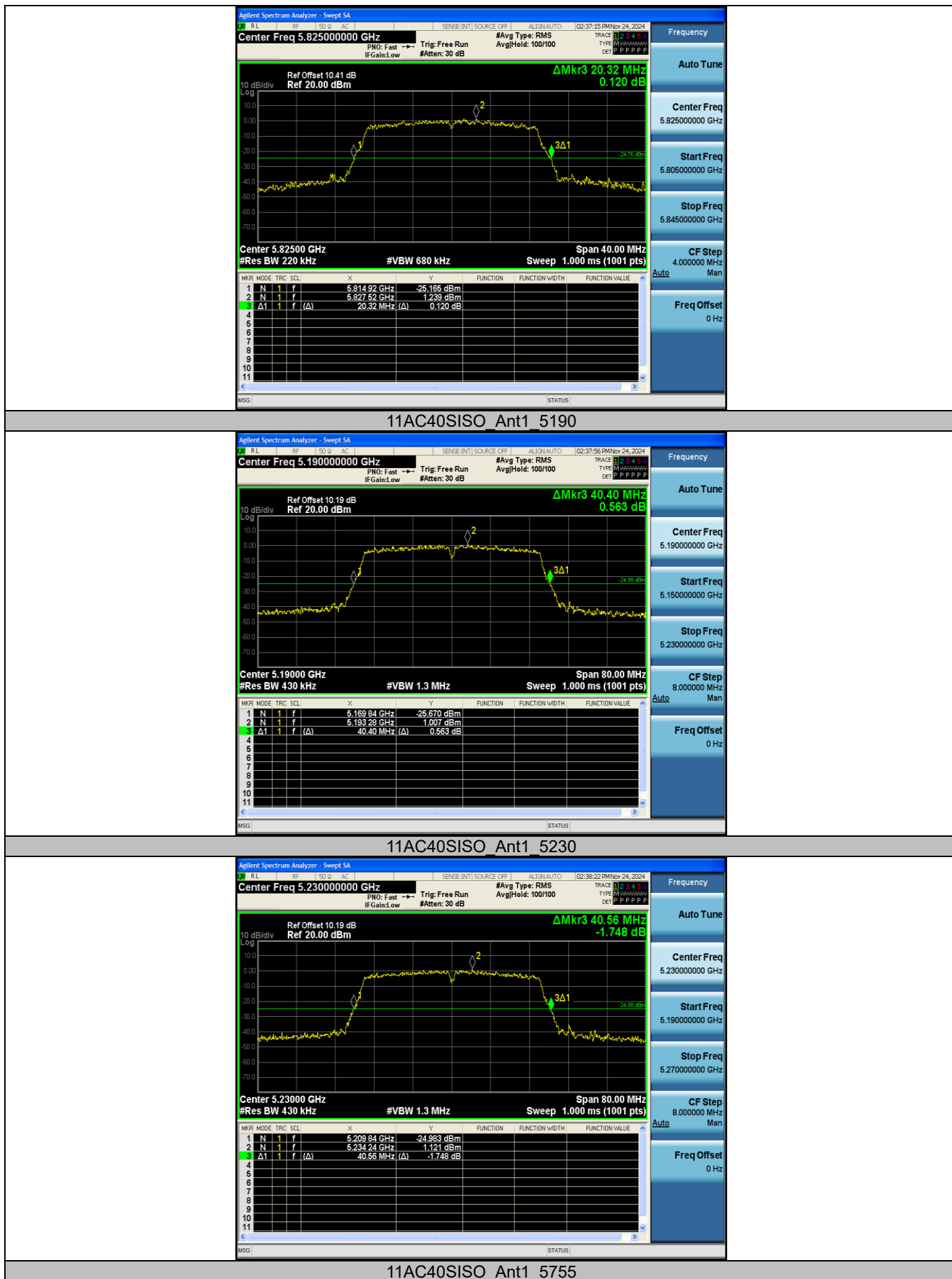
11AC20SISO Ant1 5745

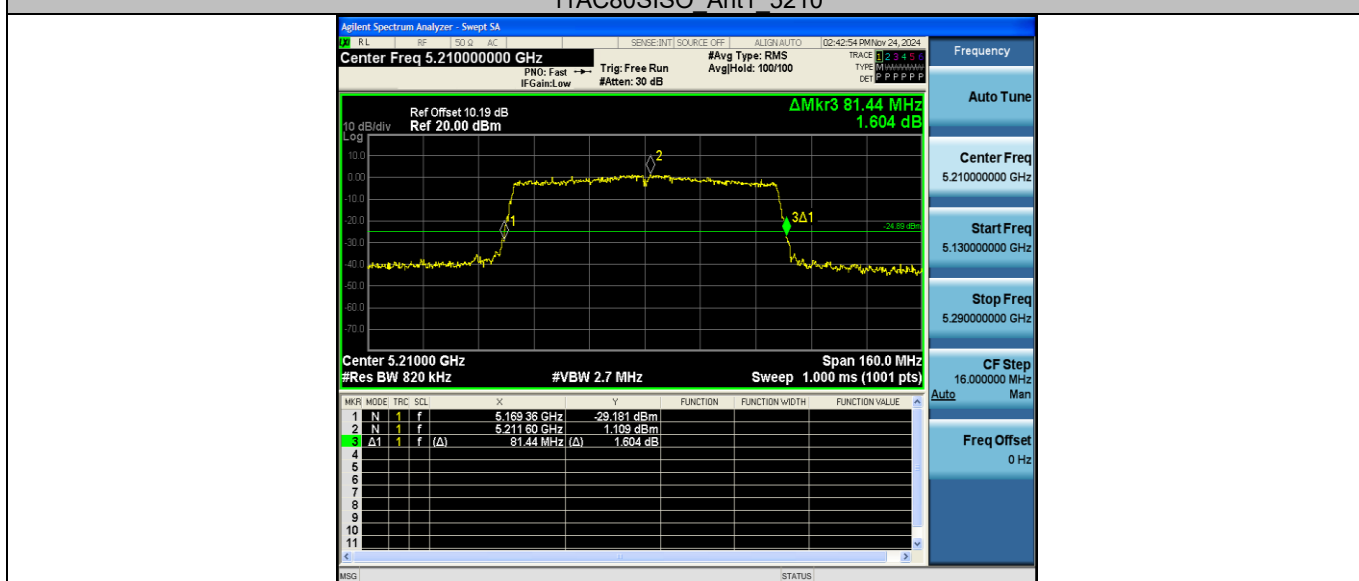


11AC20SISO Ant1 5785



11AC20SISO Ant1 5825





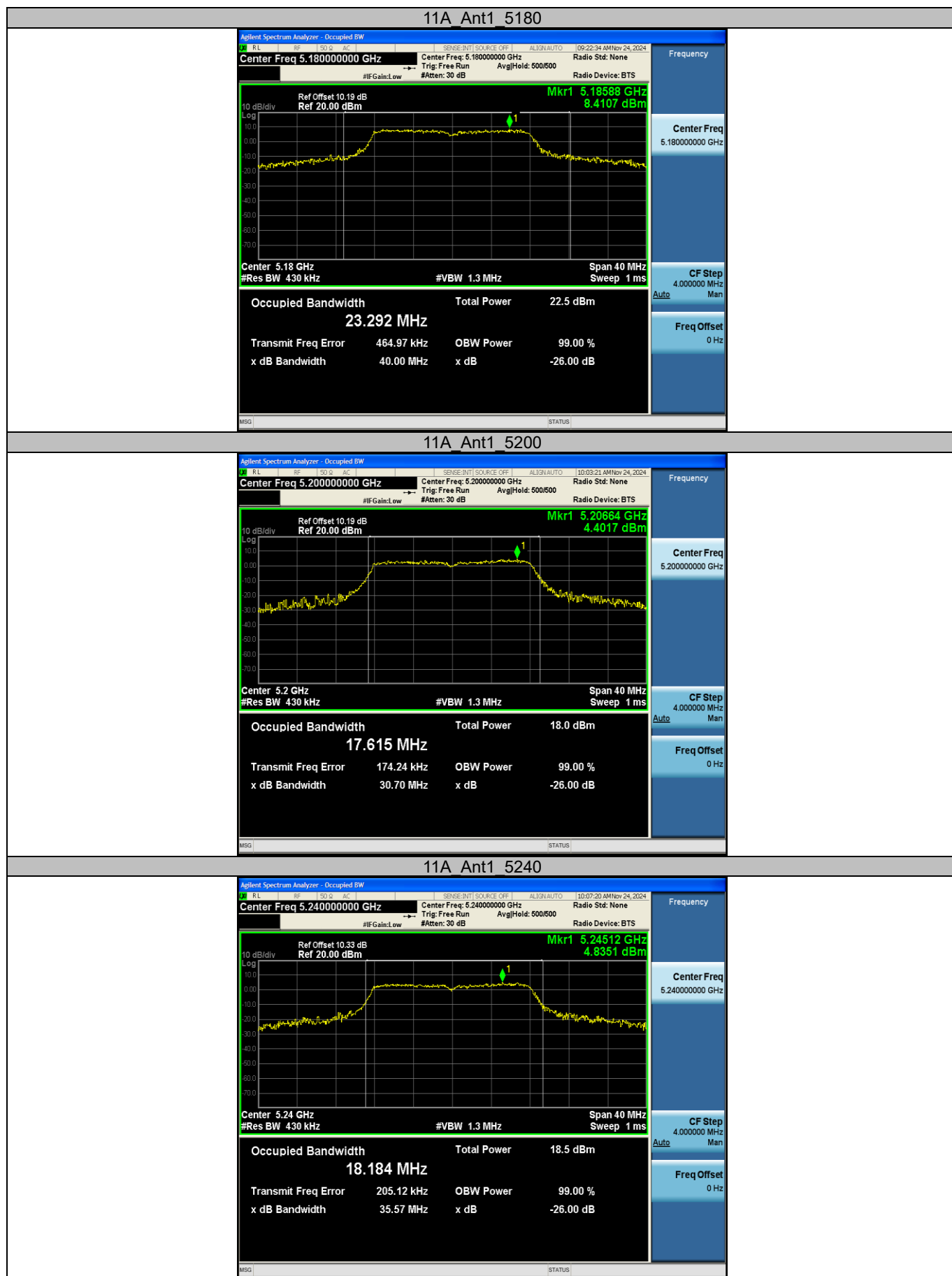


6.9 Appendix A2: Occupied channel bandwidth

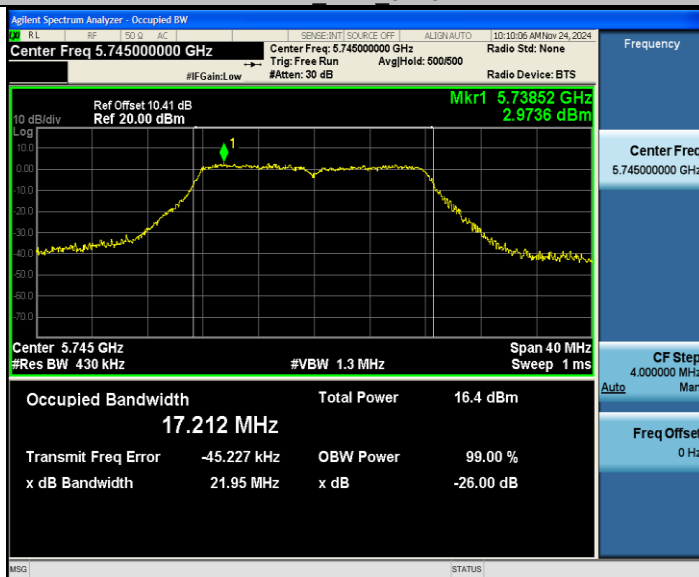
6.9.1 Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
11A	Ant1	5180	23.292	5168.8190	5192.1110
		5200	17.615	5191.3667	5208.9817
		5240	18.184	5231.1131	5249.2971
		5745	17.212	5736.3488	5753.5608
		5785	17.439	5776.2931	5793.7321
		5825	17.103	5816.4615	5833.5645
11N20SISO	Ant1	5180	18.194	5170.9406	5189.1346
		5200	21.359	5190.3456	5211.7046
		5240	18.698	5230.7947	5249.4927
		5745	18.332	5735.7975	5754.1295
		5785	18.292	5775.8757	5794.1677
		5825	18.002	5816.0502	5834.0522
11N40SISO	Ant1	5190	38.532	5171.2738	5209.8058
		5230	41.327	5211.0790	5252.4060
		5755	37.444	5736.4177	5773.8617
		5795	37.418	5776.4564	5813.8744
11AC20SISO	Ant1	5180	18.267	5170.9028	5189.1698
		5200	18.472	5190.9169	5209.3889
		5240	19.176	5230.6746	5249.8506
		5745	18.089	5735.9180	5754.0070
		5785	18.073	5775.9774	5794.0504
		5825	18.006	5816.0263	5834.0323
11AC40SISO	Ant1	5190	37.467	5171.5618	5209.0288
		5230	38.168	5211.3480	5249.5160
		5755	36.784	5736.6665	5773.4505
		5795	36.744	5776.7843	5813.5283
11AC80SISO	Ant1	5210	76.816	5171.8348	5248.6508
		5775	76.193	5737.0065	5813.1995

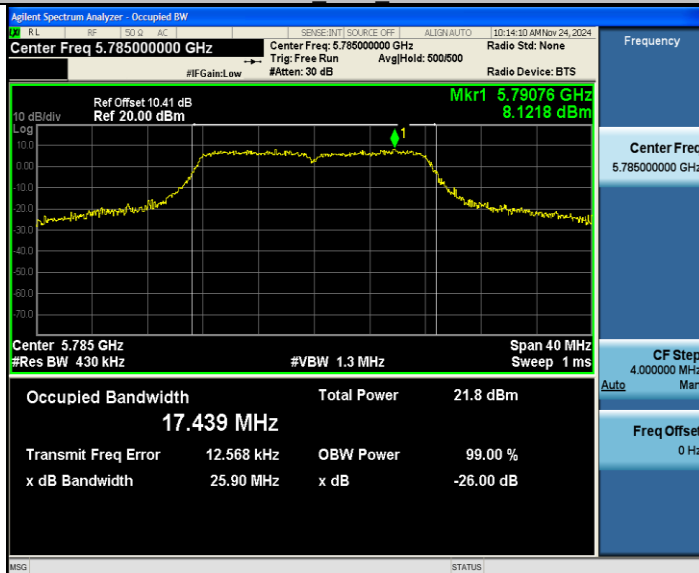
6.9.2 Test Graphs



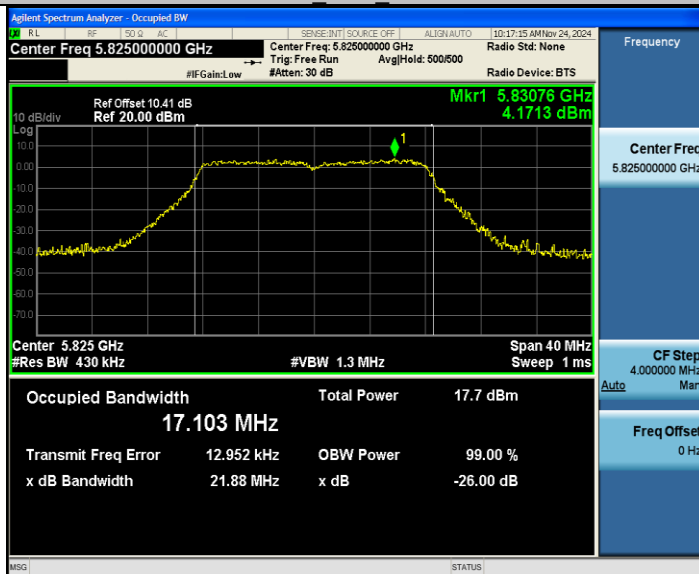
11A Ant1 5745



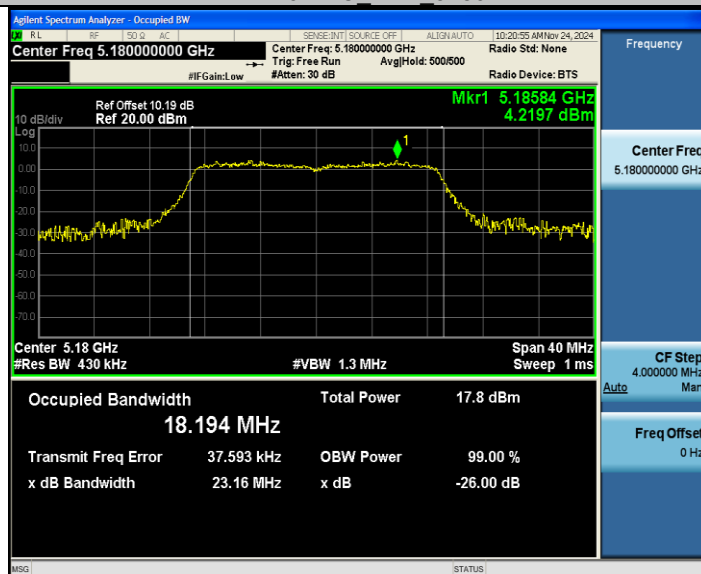
11A Ant1 5785



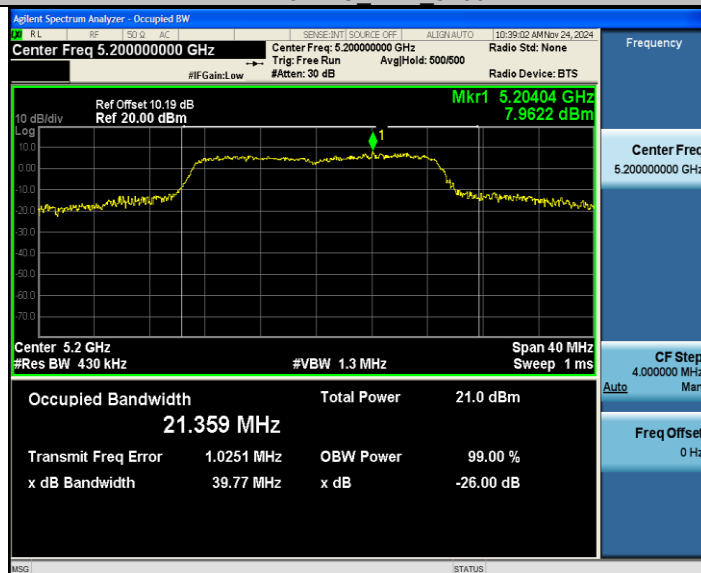
11A Ant1 5825



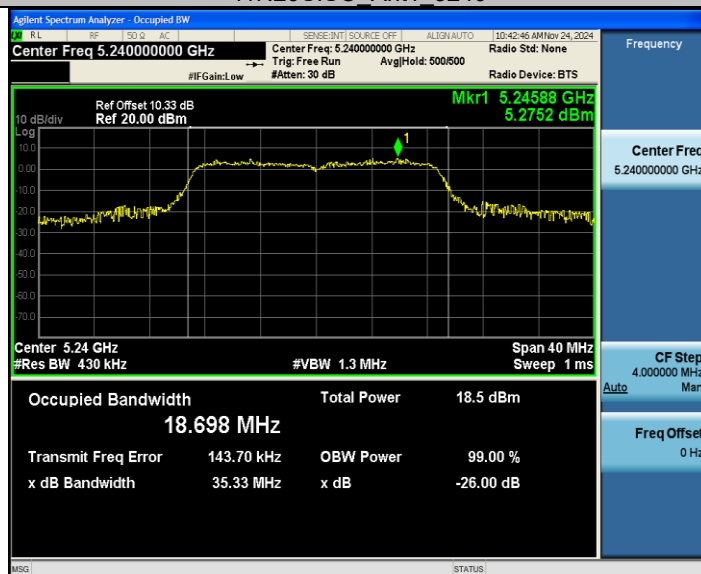
11N20SISO_Ant1_5180



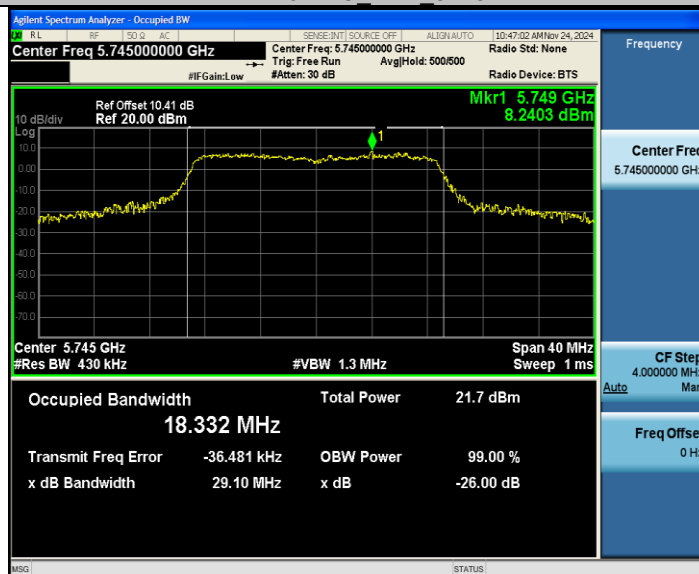
11N20SISO_Ant1_5200



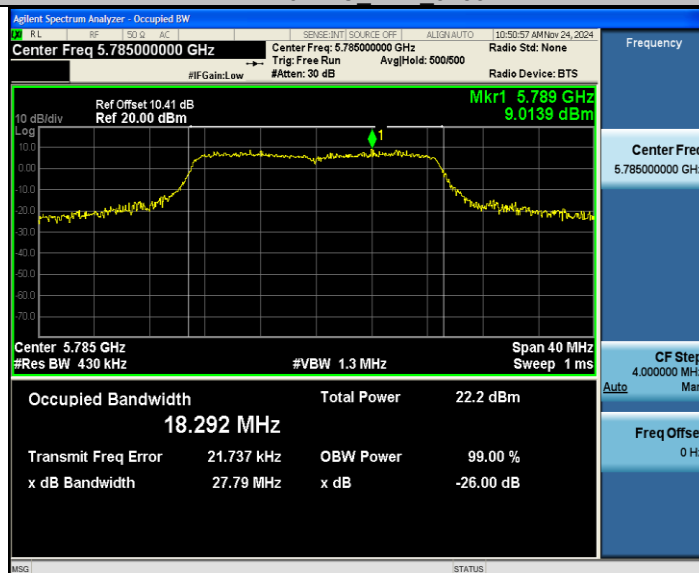
11N20SISO_Ant1_5240



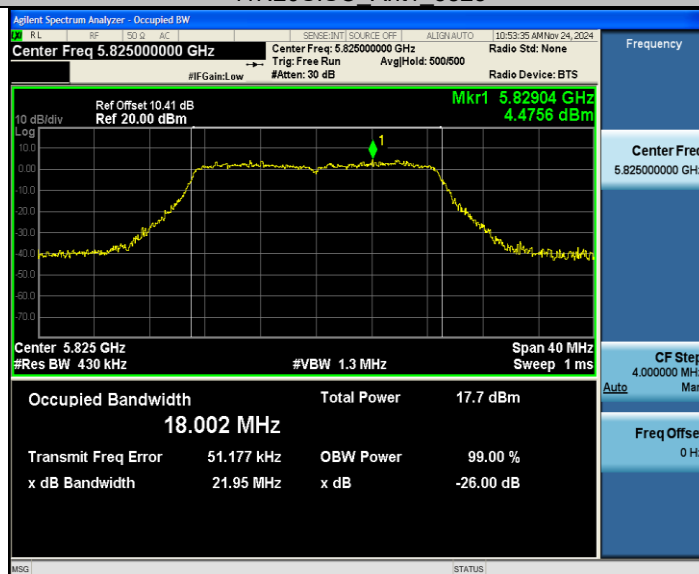
11N20SISO_Ant1_5745



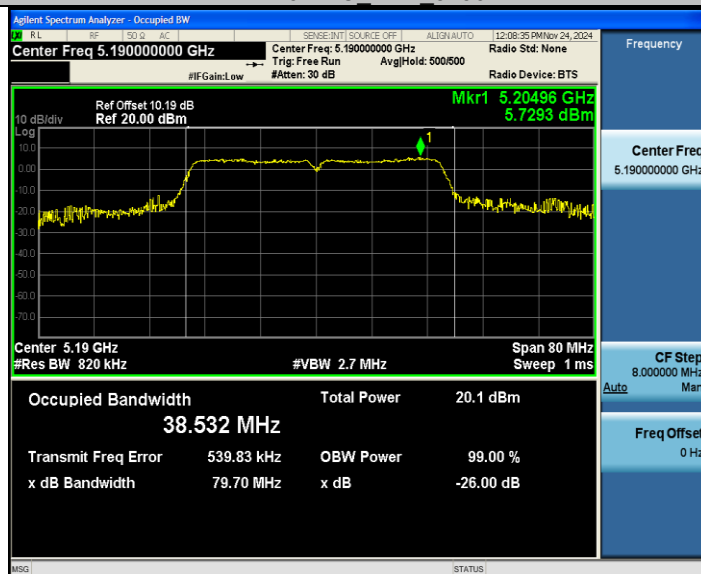
11N20SISO_Ant1_5785



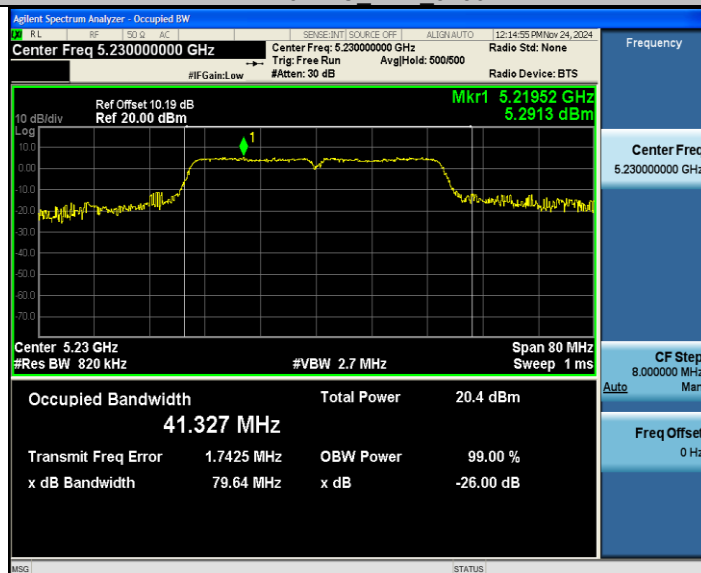
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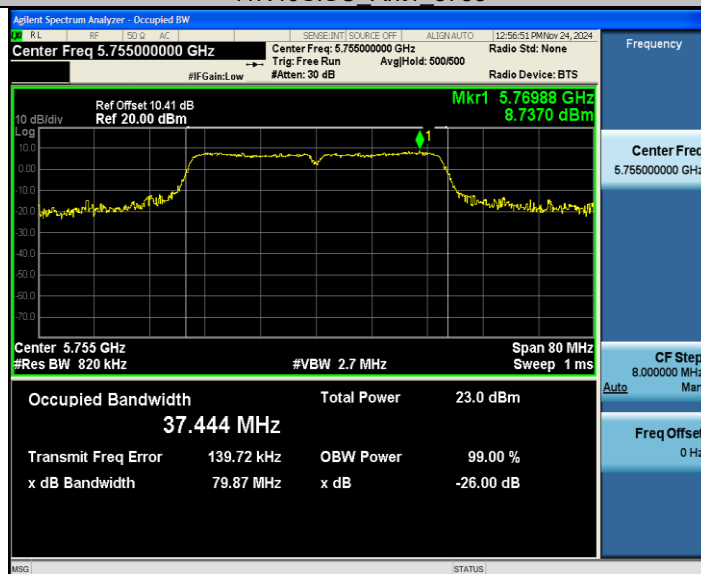
11N40SISO_Ant1_5190

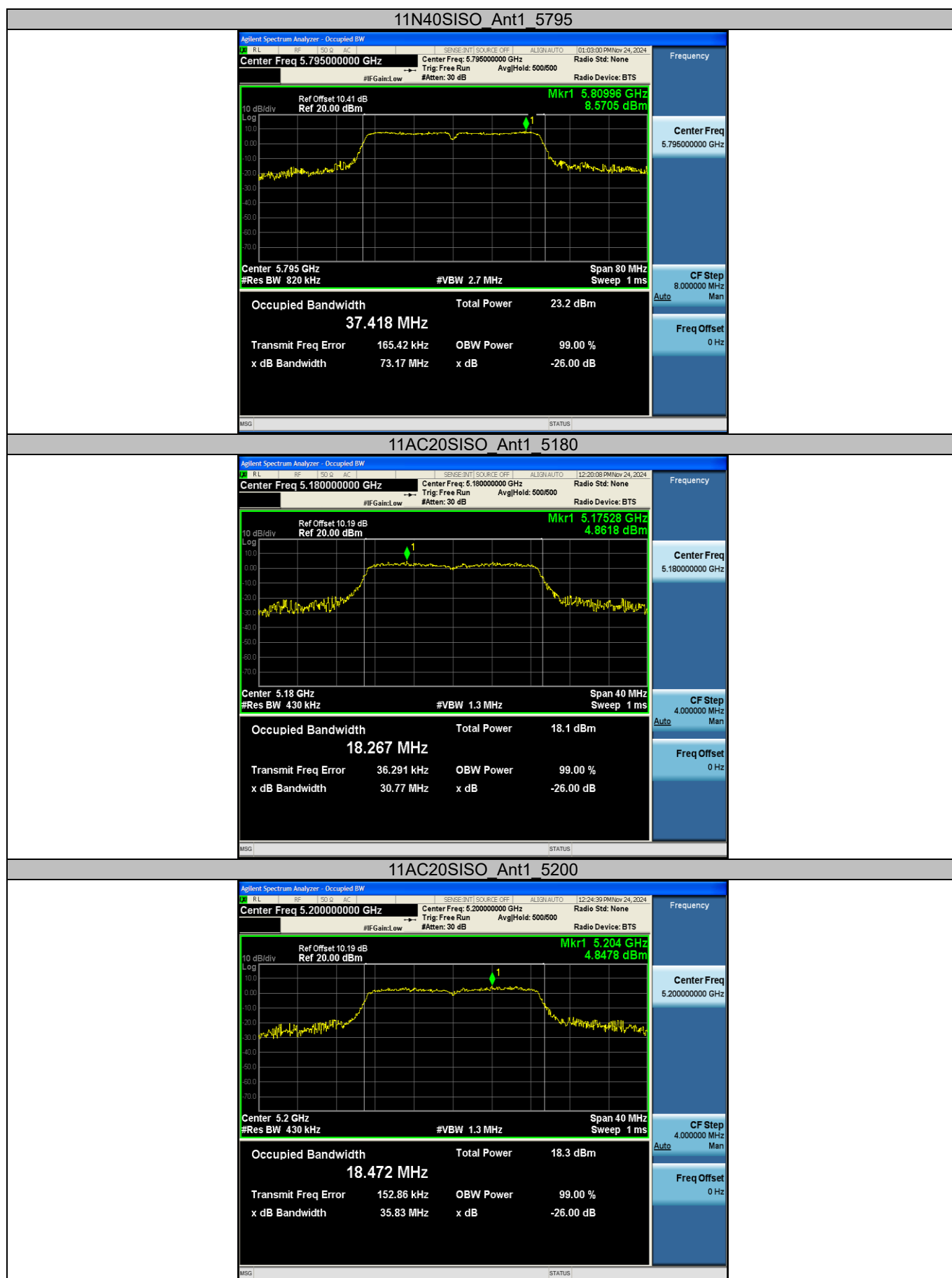


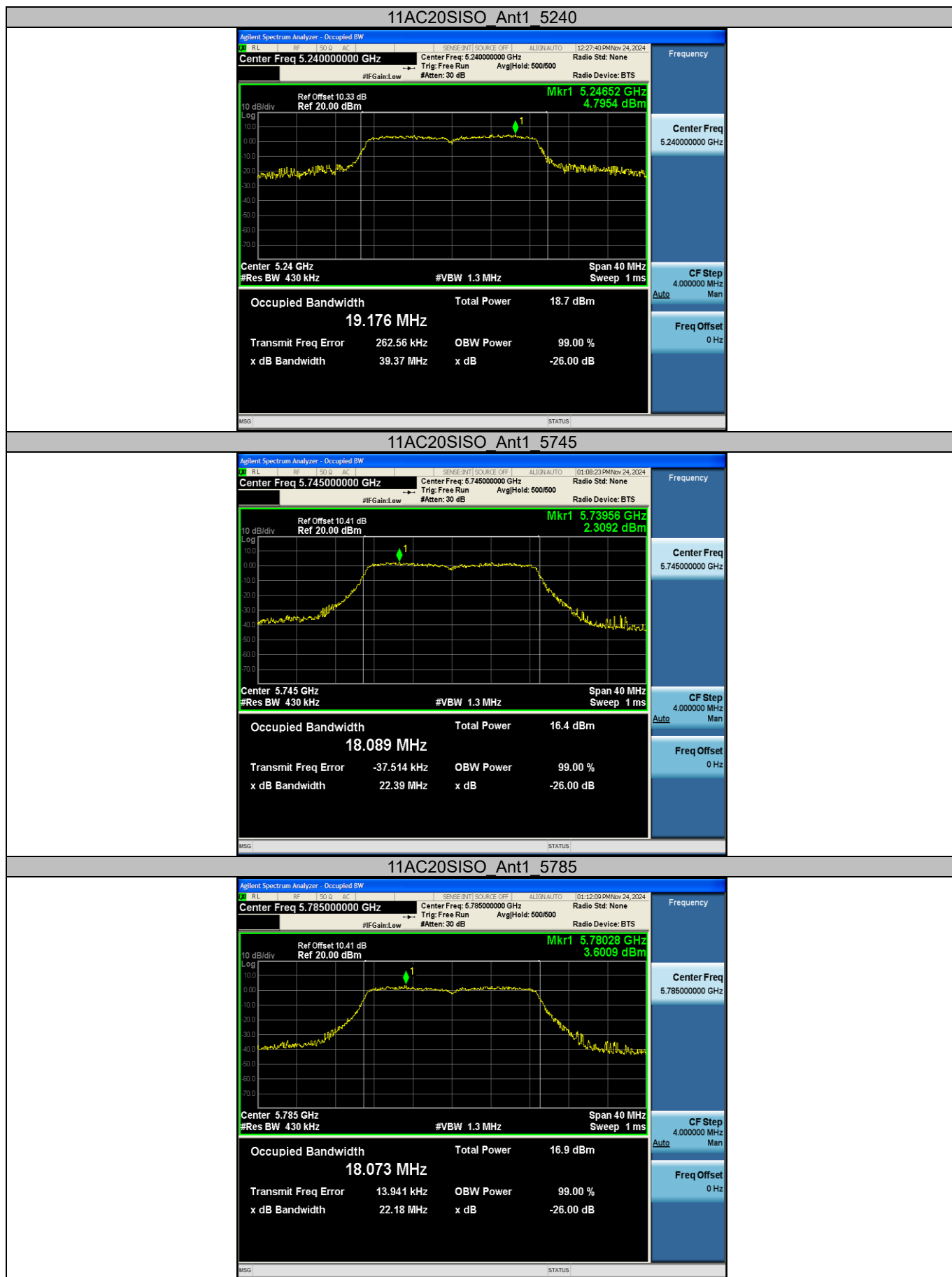
11N40SISO_Ant1_5230



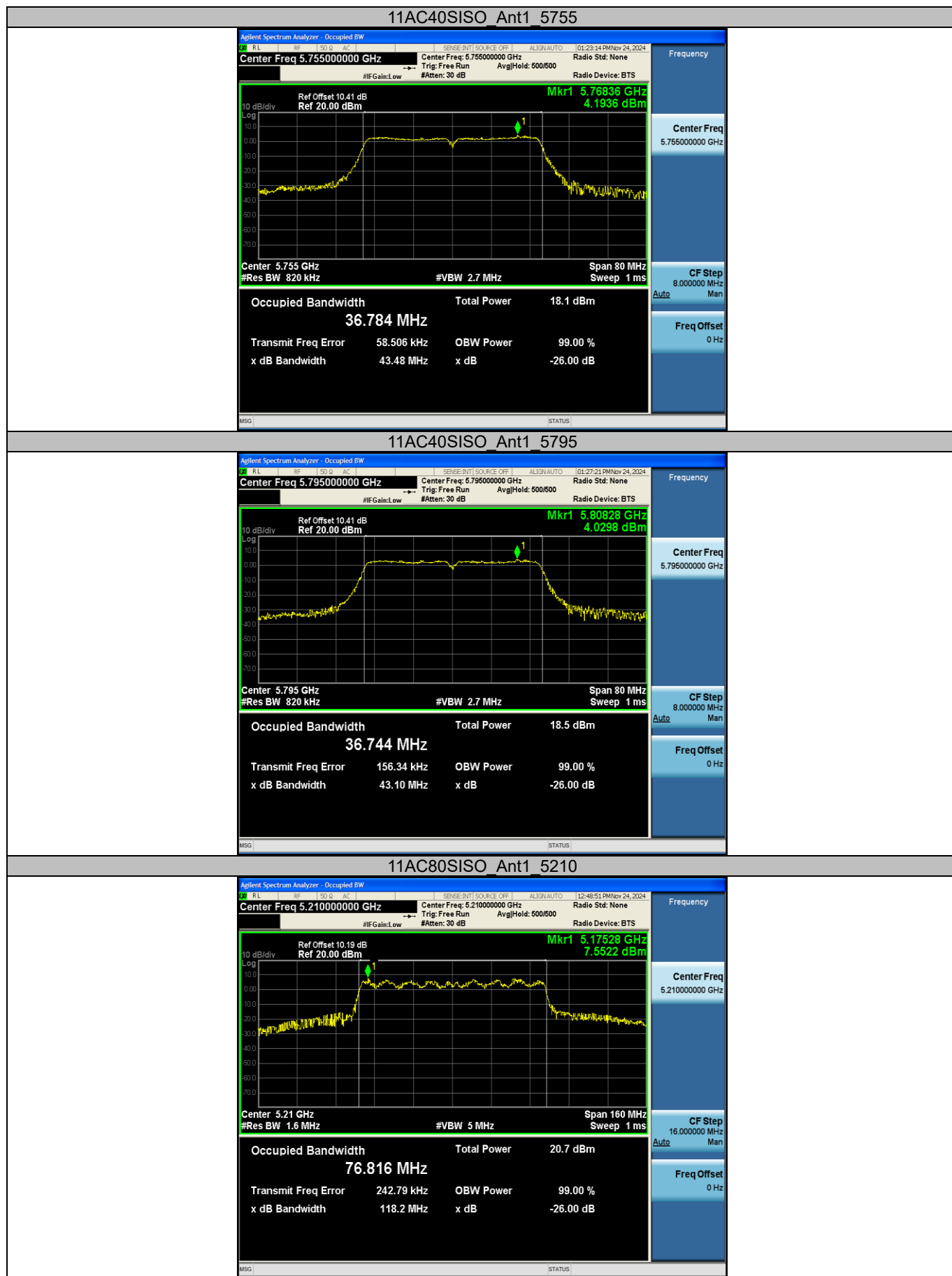
11N40SISO_Ant1_5755

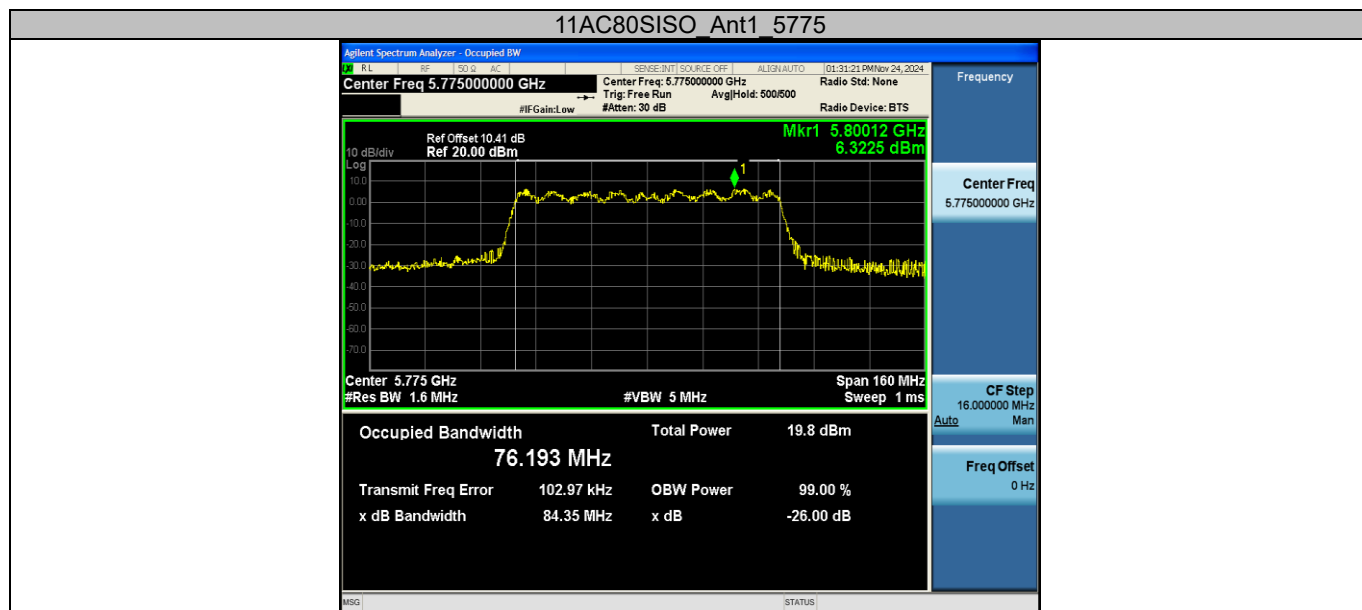












6.10 Appendix A3: Min emission bandwidth

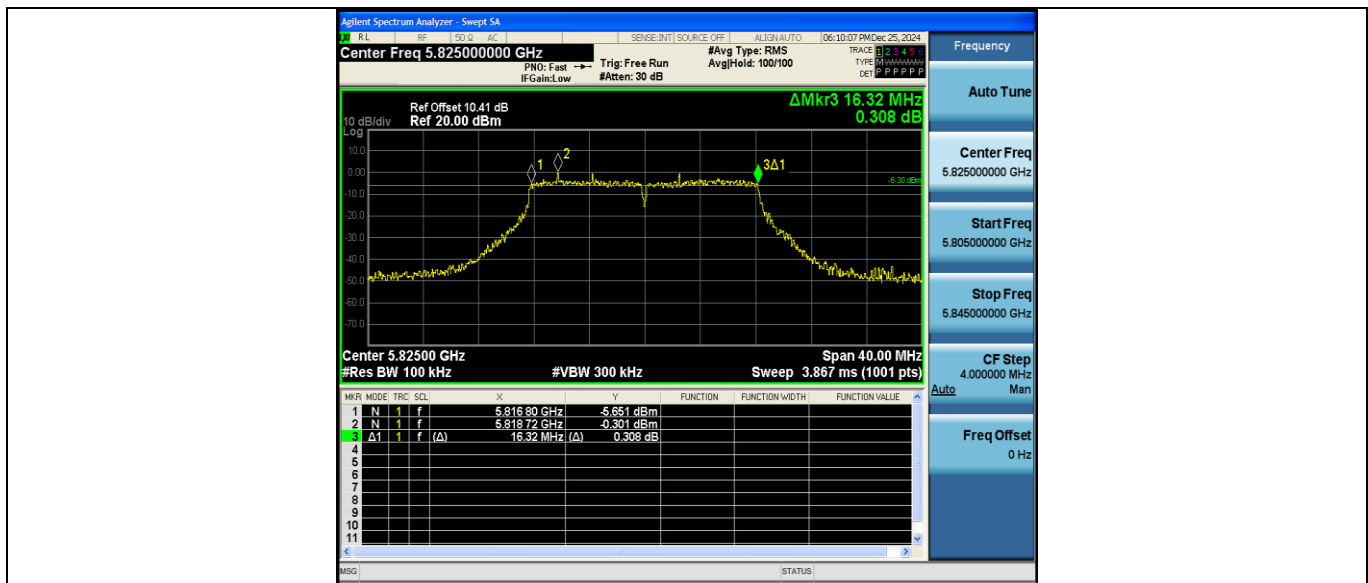
6.10.1 Test Result B4

TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.800	5753.120	0.5	PASS
		5785	16.480	5776.720	5793.200	0.5	PASS
		5825	16.320	5816.800	5833.120	0.5	PASS
11N20SISO	Ant1	5745	17.160	5736.200	5753.360	0.5	PASS
		5785	17.000	5776.440	5793.440	0.5	PASS
		5825	17.280	5816.200	5833.480	0.5	PASS
11N40SISO	Ant1	5755	35.680	5737.160	5772.840	0.5	PASS
		5795	35.680	5777.080	5812.760	0.5	PASS
11AC20SISO	Ant1	5745	17.120	5736.200	5753.320	0.5	PASS
		5785	16.920	5776.440	5793.360	0.5	PASS
		5825	17.560	5816.200	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	36.000	5737.080	5773.080	0.5	PASS
		5795	35.760	5777.080	5812.840	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

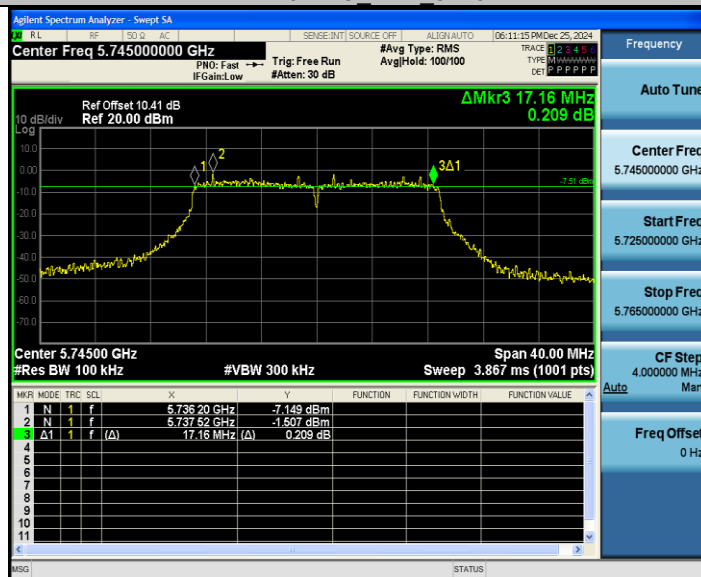
6.10.2 Test Graphs B4

Test Graphs

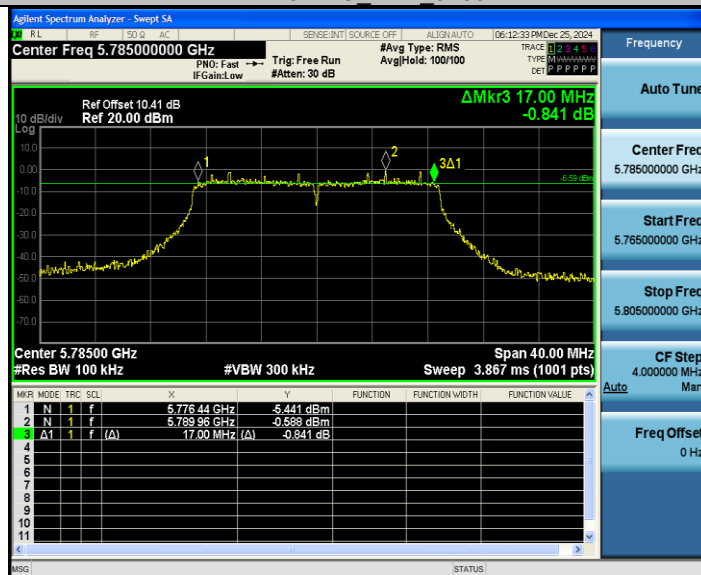




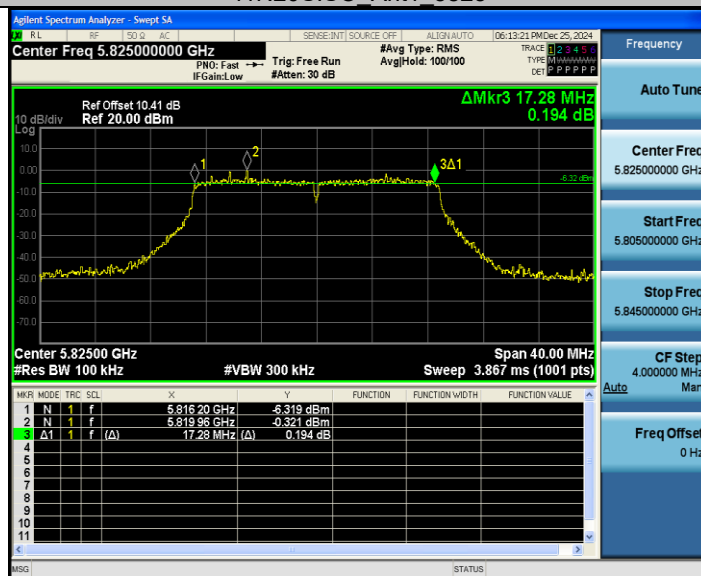
11N20SISO_Ant1_5745



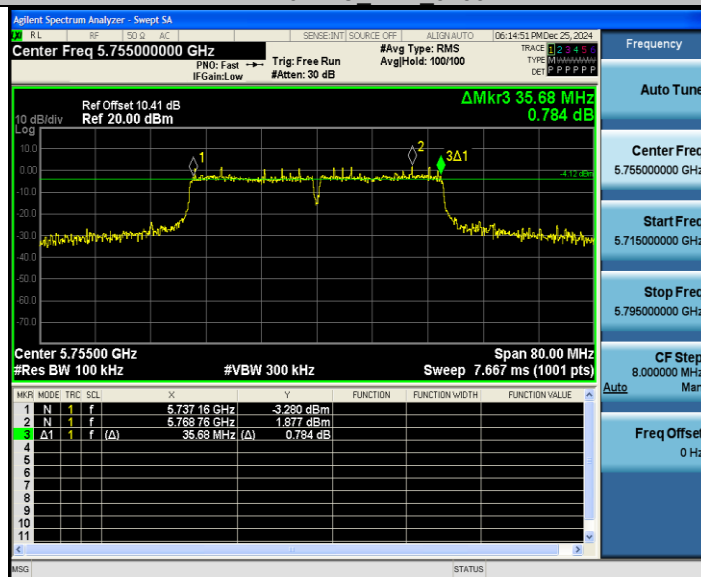
11N20SISO_Ant1_5785



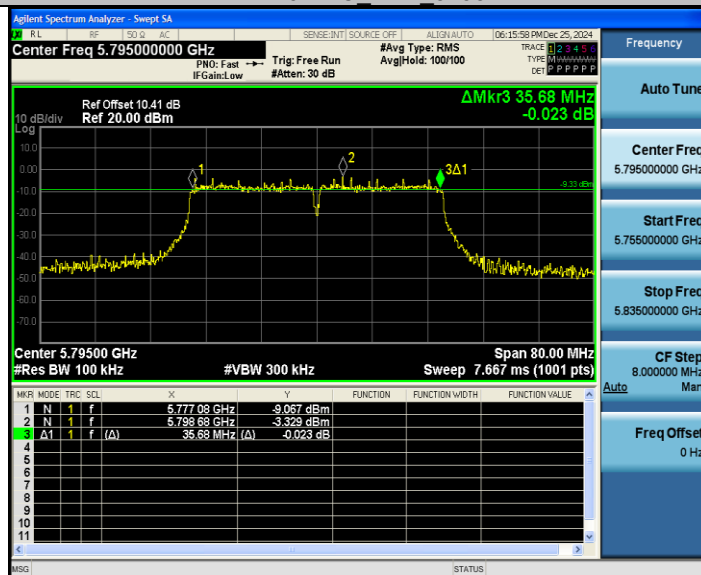
11N20SISO_Ant1_5825



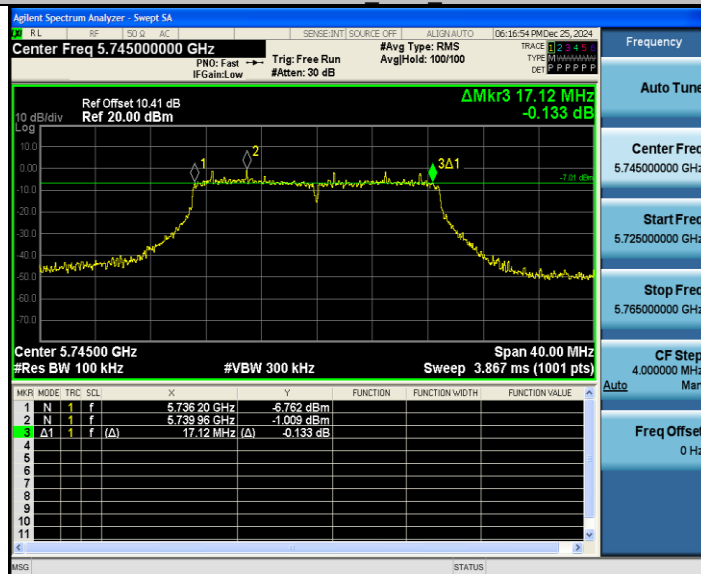
11N40SISO_Ant1_5755

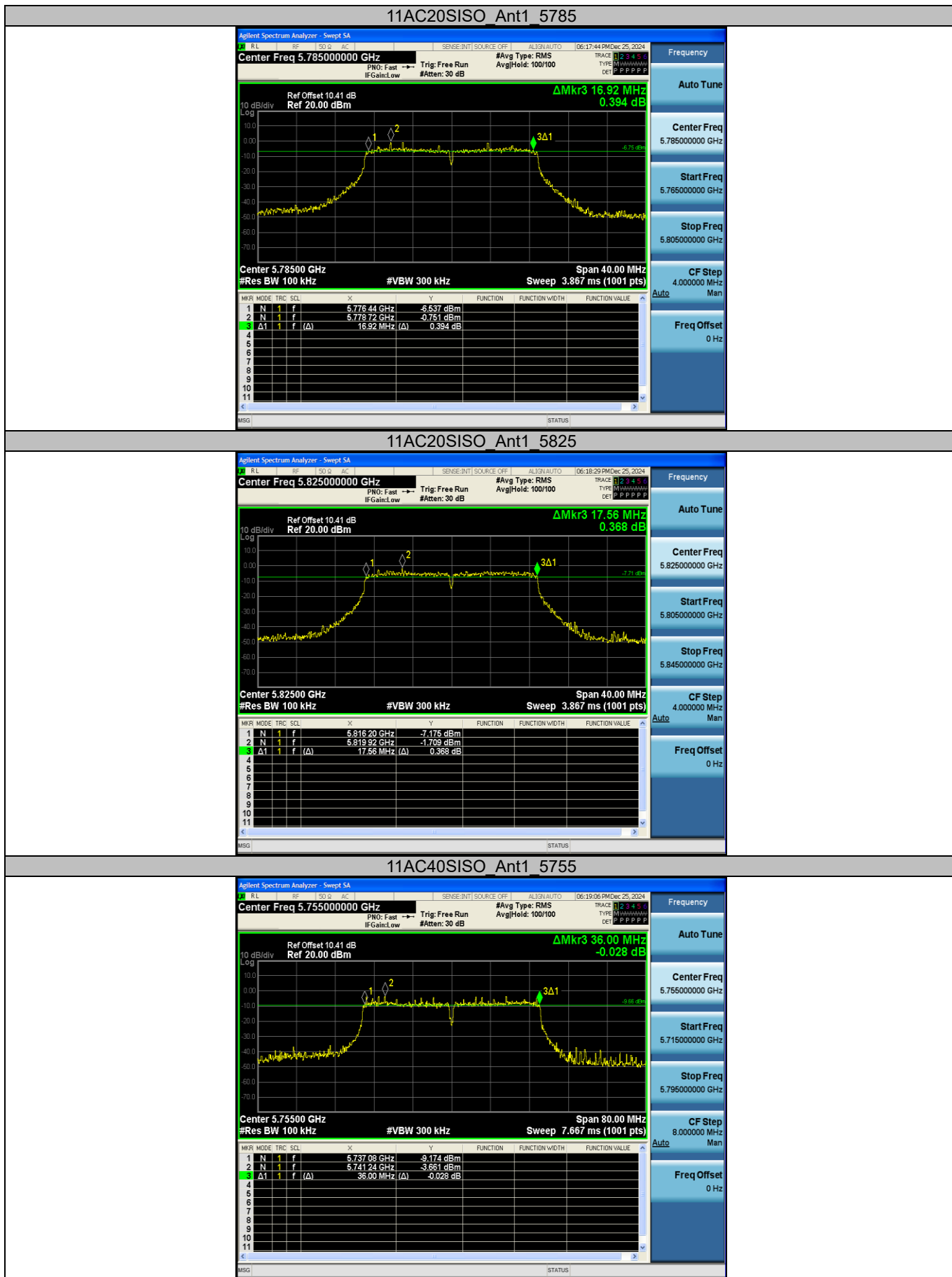


11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745





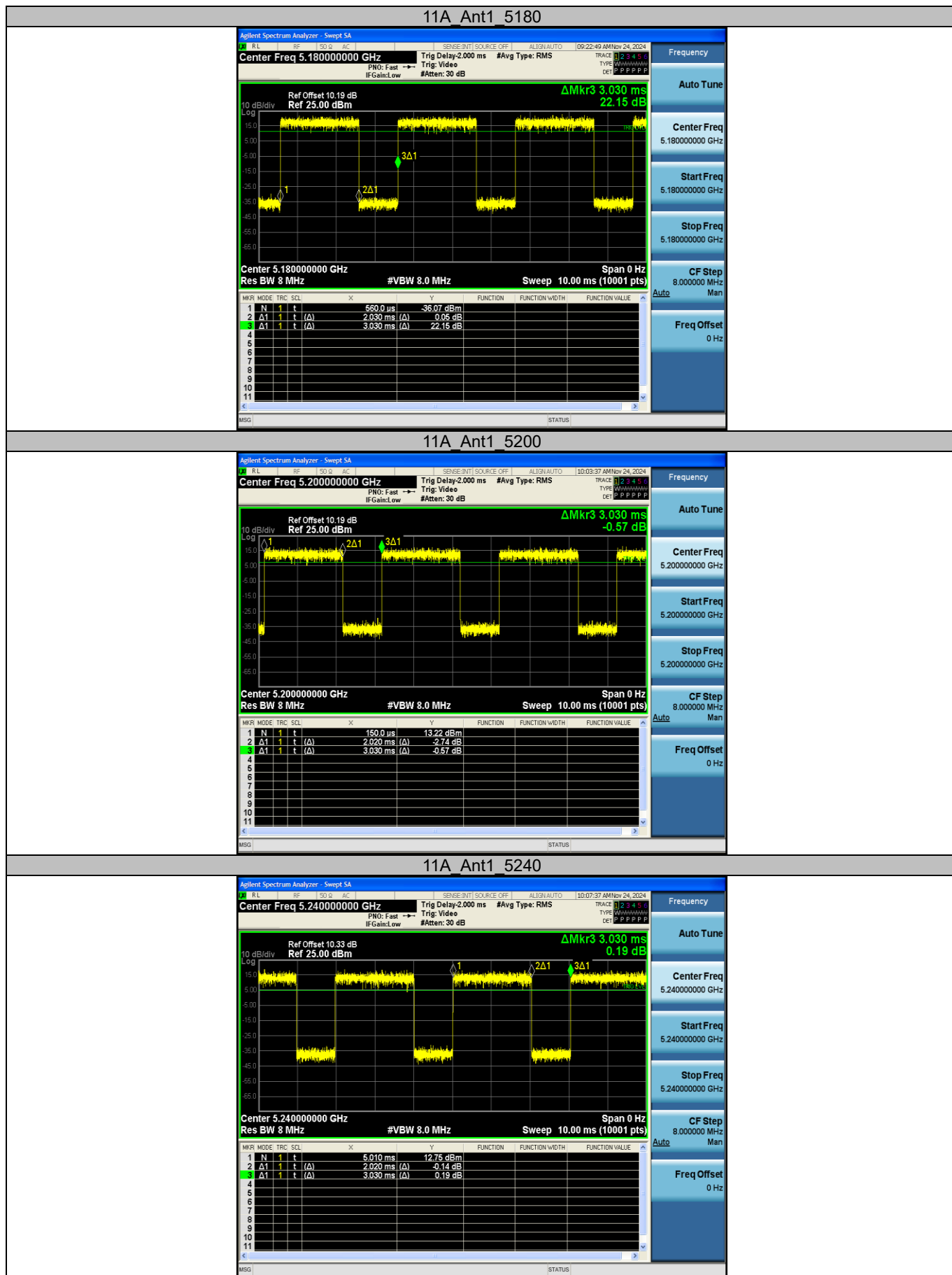


Appendix B: Duty Cycle

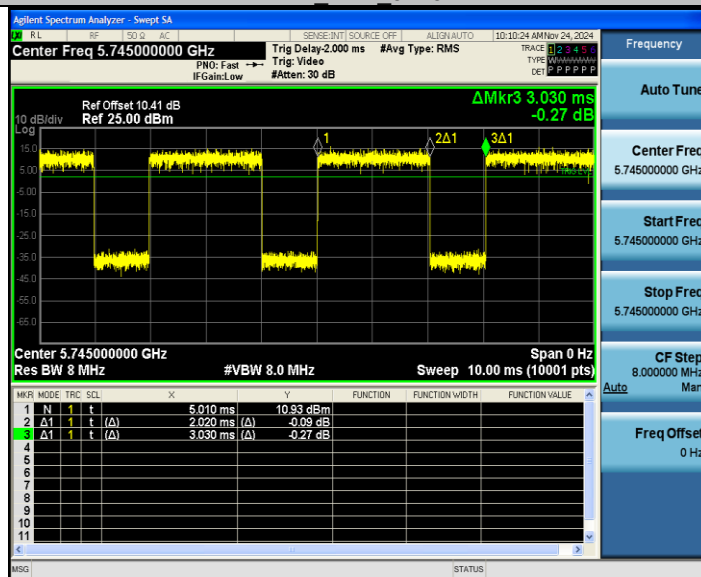
Test Result

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dBm]
11A	Ant1	5180	2.03	3.03	67.00	1.74
		5200	2.02	3.03	66.67	1.76
		5240	2.02	3.03	66.67	1.76
		5745	2.02	3.03	66.67	1.76
		5785	2.03	3.03	67.00	1.74
		5825	2.03	3.03	67.00	1.74
11N20SISO	Ant1	5180	1.88	2.89	65.05	1.87
		5200	1.89	2.90	65.17	1.86
		5240	1.88	2.89	65.05	1.87
		5745	1.89	2.90	65.17	1.86
		5785	1.89	2.90	65.17	1.86
		5825	1.89	2.90	65.17	1.86
11N40SISO	Ant1	5190	0.93	1.93	48.19	3.17
		5230	0.93	1.94	47.94	3.19
		5755	0.93	1.94	47.94	3.19
		5795	0.93	1.94	47.94	3.19
11AC20SISO	Ant1	5180	1.89	2.90	65.17	1.86
		5200	1.89	2.90	65.17	1.86
		5240	1.89	2.89	65.40	1.84
		5745	1.89	2.90	65.17	1.86
		5785	1.89	2.90	65.17	1.86
		5825	1.89	2.90	65.17	1.86
11AC40SISO	Ant1	5190	0.93	1.94	47.94	3.19
		5230	0.93	1.94	47.94	3.19
		5755	0.93	1.94	47.94	3.19
		5795	0.93	1.94	47.94	3.19
11AC80SISO	Ant1	5210	0.46	1.46	31.51	5.02
		5775	0.45	1.45	31.03	5.08

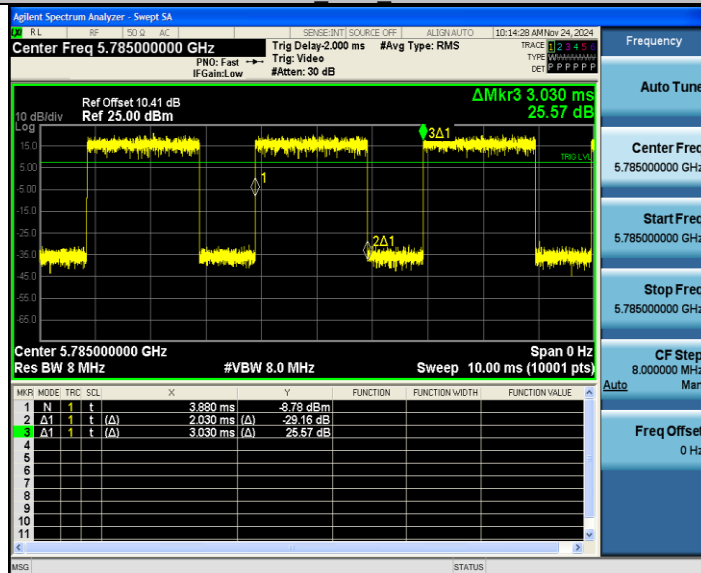
Test Graphs



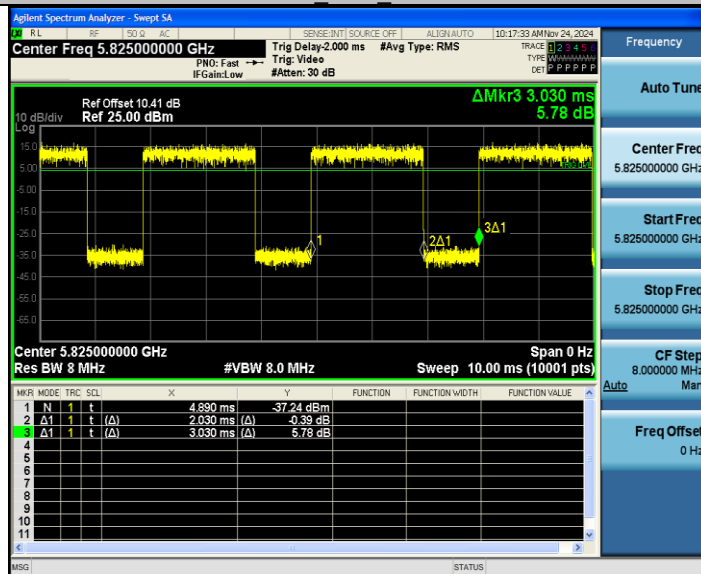
11A Ant1 5745



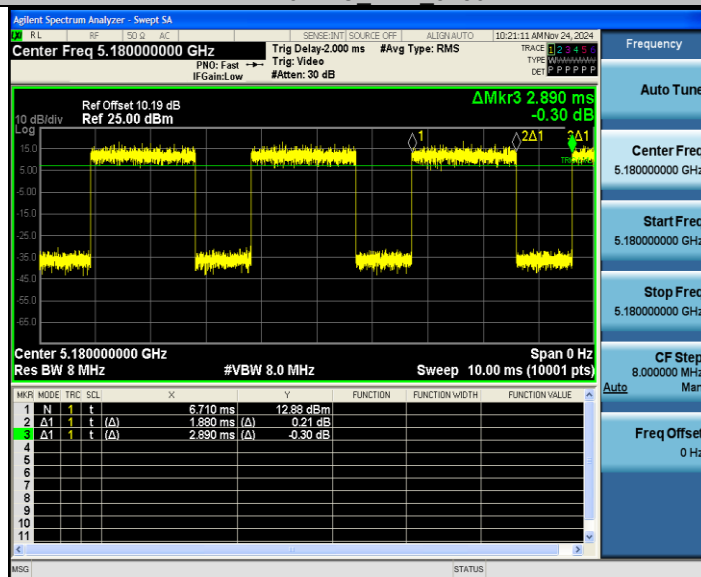
11A Ant1 5785



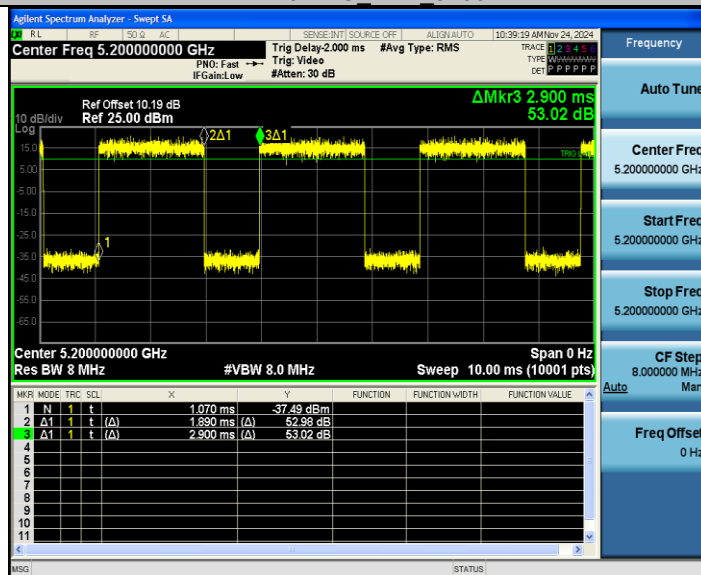
11A Ant1 5825



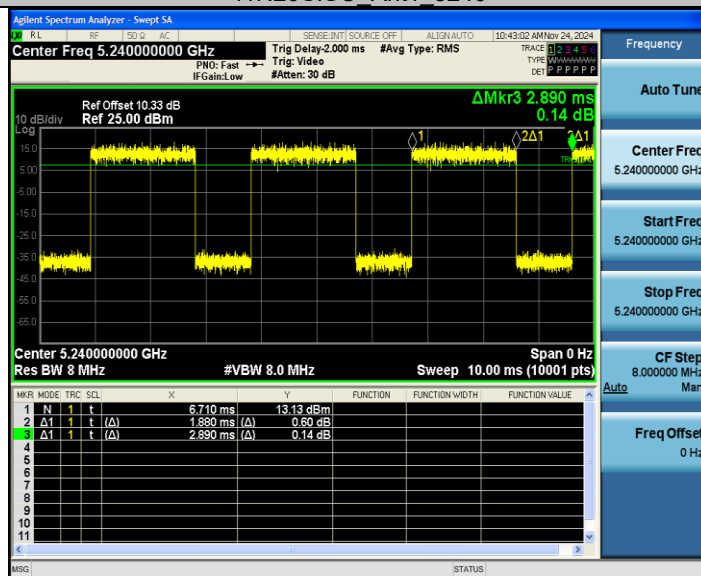
11N20SISO_Ant1_5180



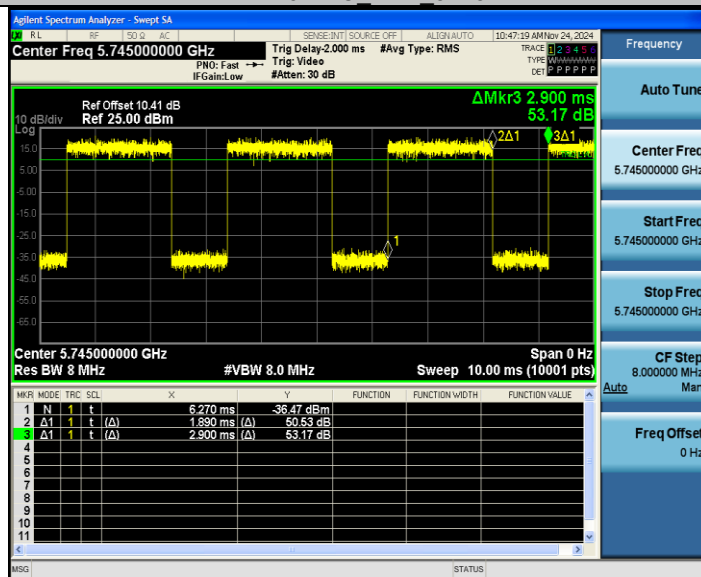
11N20SISO_Ant1_5200



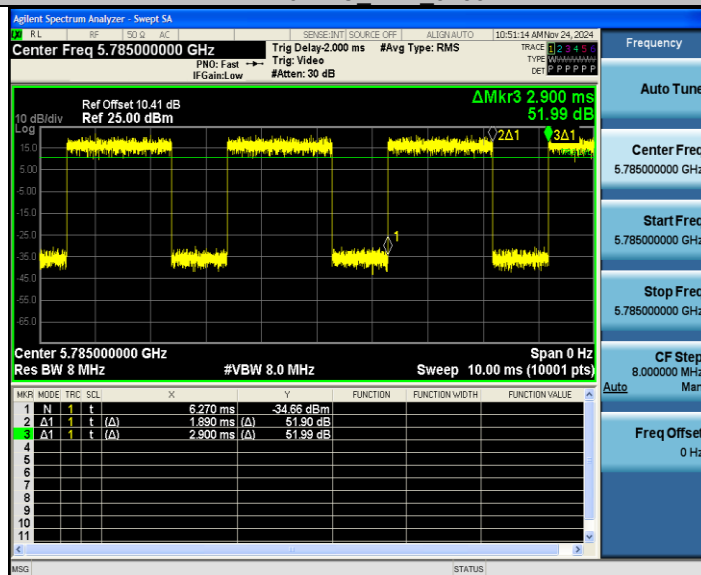
11N20SISO_Ant1_5240



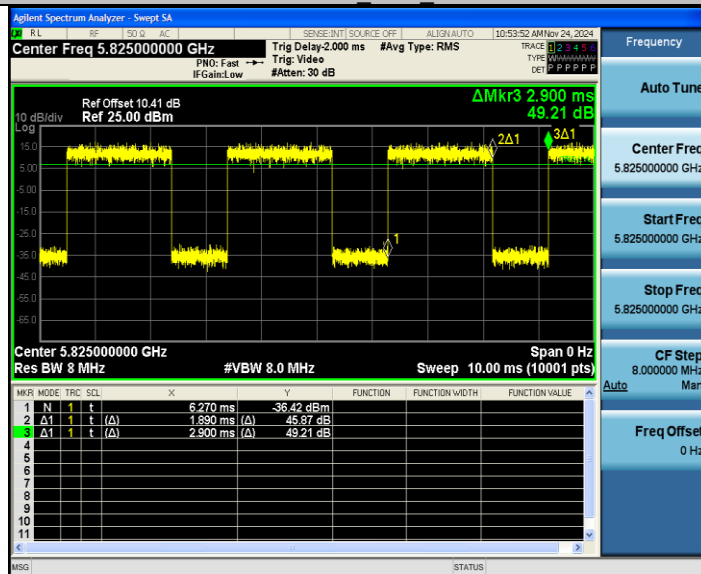
11N20SISO_Ant1_5745



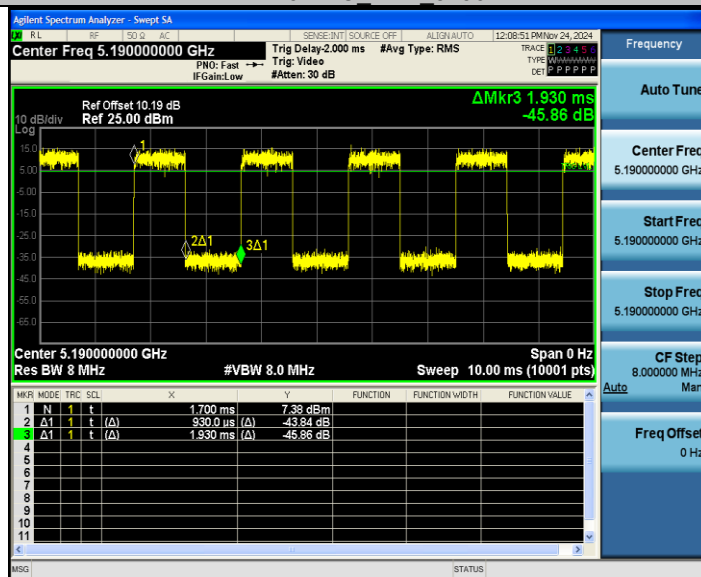
11N20SISO_Ant1_5785



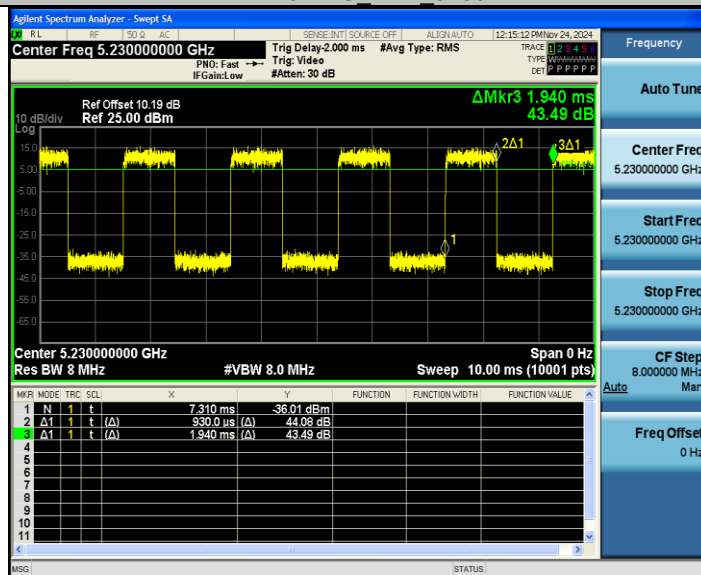
11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5755

