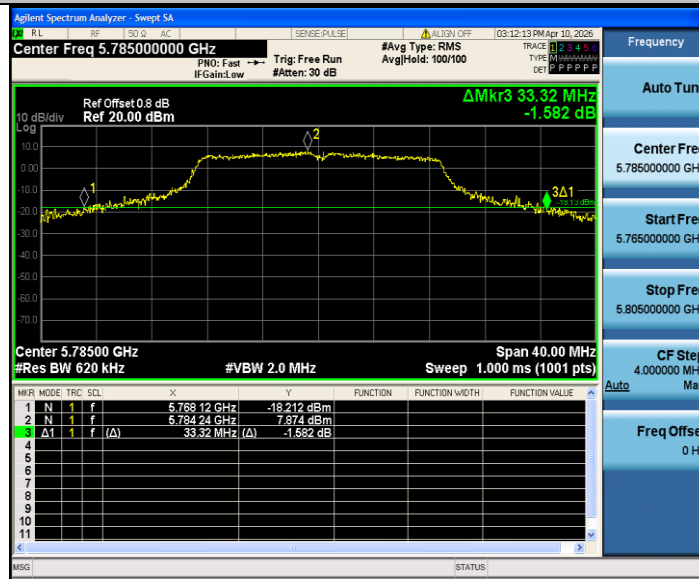
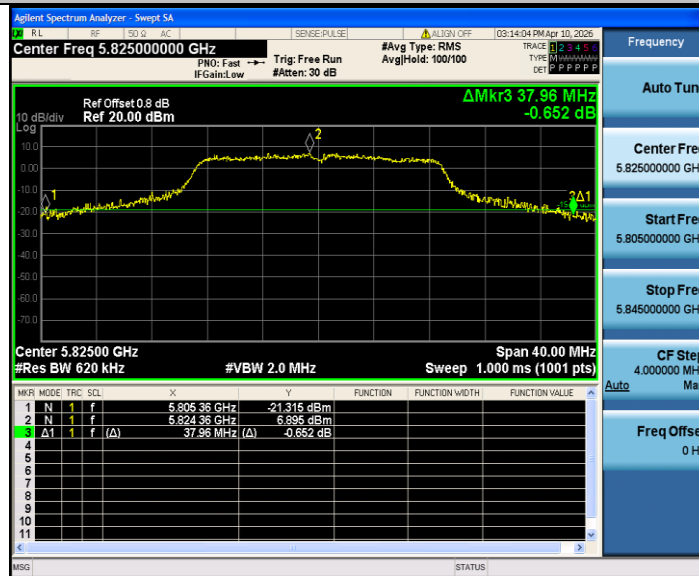


11N20SISO_Ant2_5785



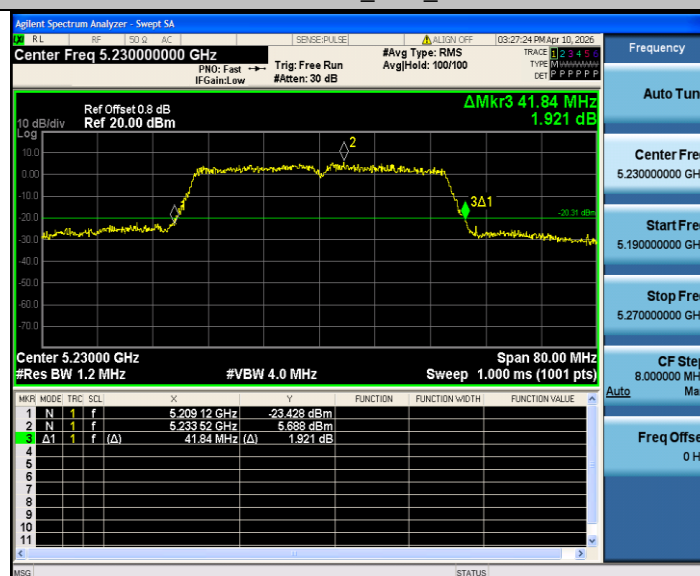
11N20SISO_Ant2_5825



11N40SISO_Ant2_5190



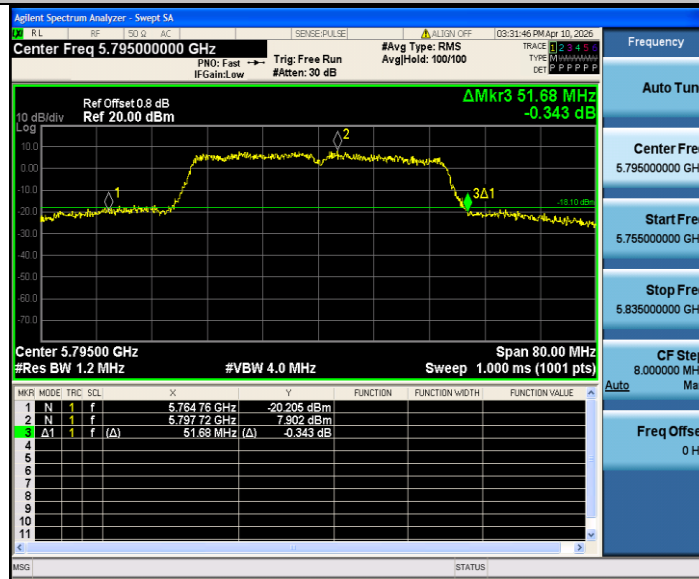
11N40SISO_Ant2_5230



11N40SISO_Ant2_5755



11N40SISO_Ant2_5795



11AC20SISO_Ant2_5180



11AC20SISO_Ant2_5220



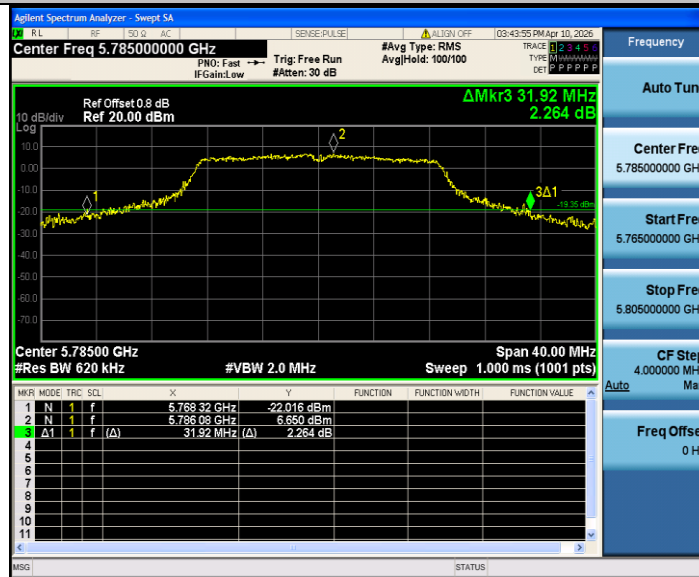
11AC20SISO_Ant2_5240



11AC20SISO_Ant2_5745



11AC20SISO_Ant2_5785



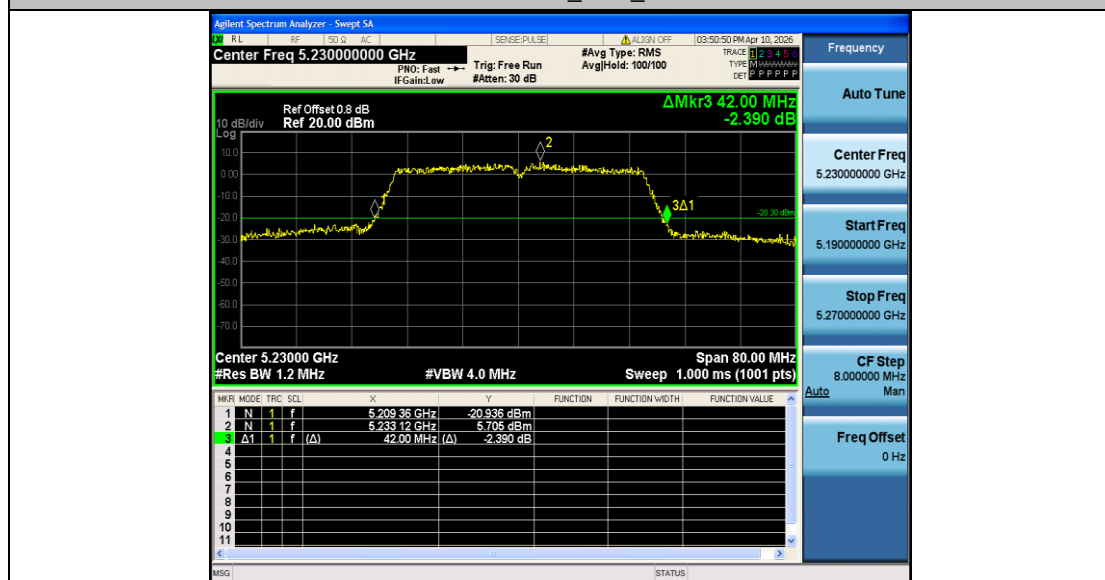
11AC20SISO_Ant2_5825



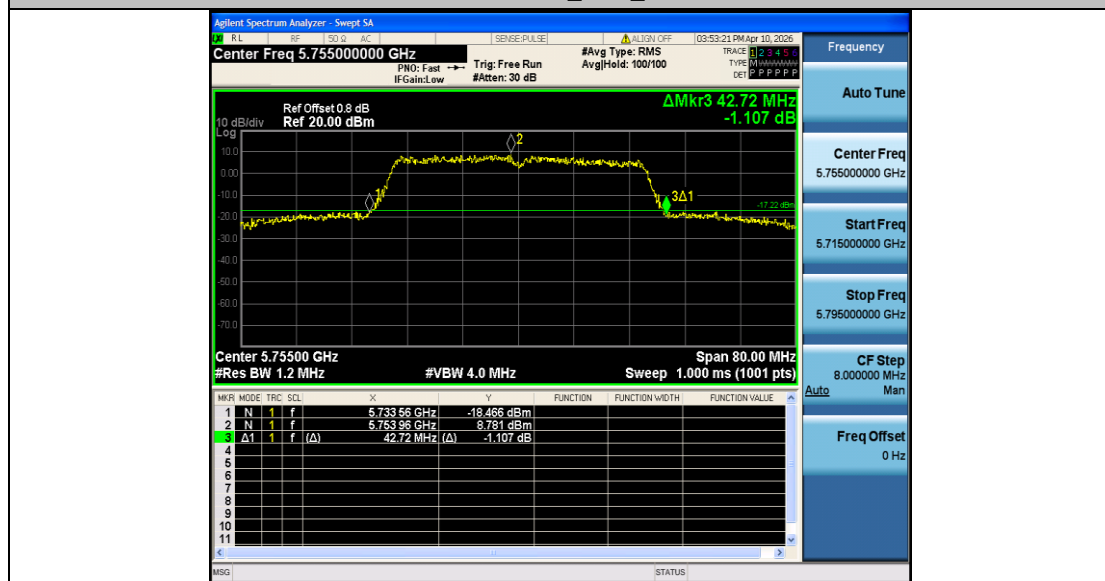
11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



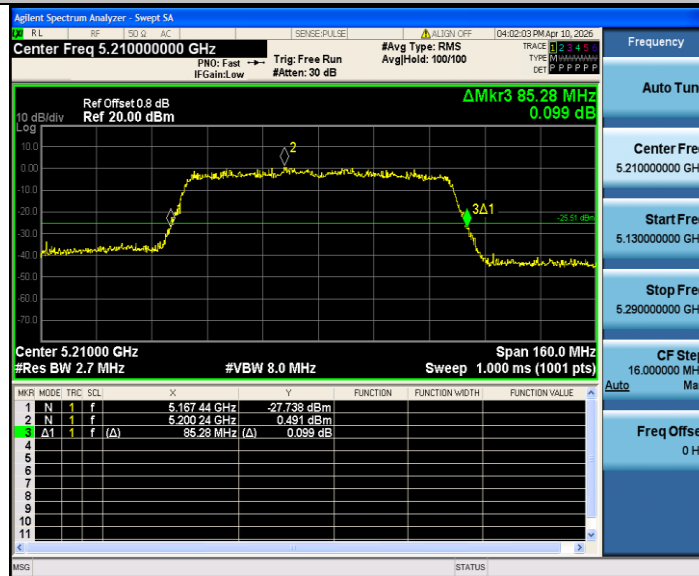
11AC40SISO_Ant2_5755



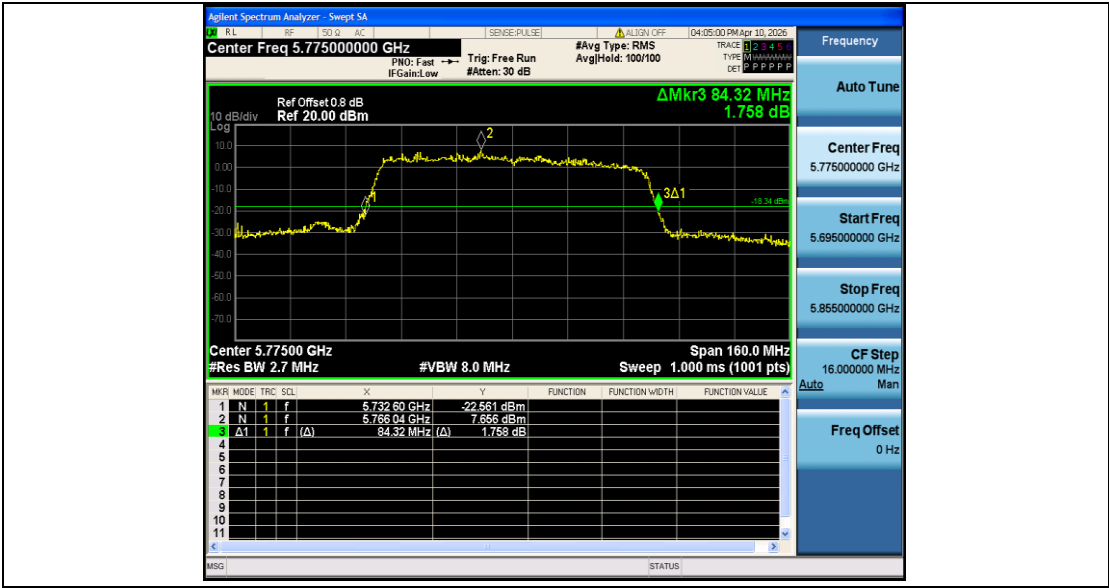
11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5210



11AC80SISO_Ant2_5775

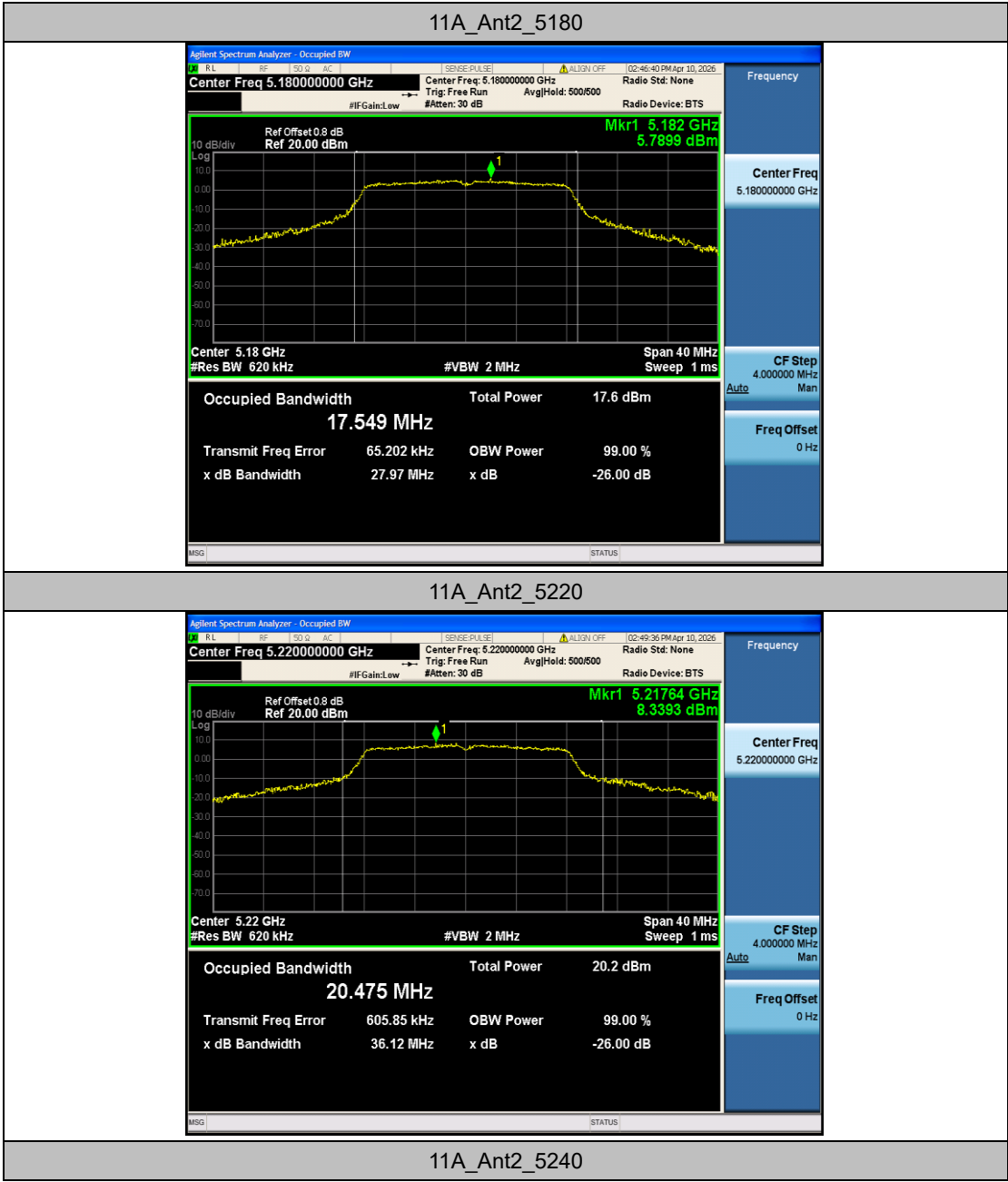


Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	17.549	5171.2907	5188.8397	---	---
		5220	20.475	5210.3684	5230.8434	---	---
		5240	20.444	5230.3902	5250.8342	---	---
		5745	19.502	5735.4327	5754.9347	---	---
		5785	19.324	5775.3316	5794.6556	---	---
		5825	20.105	5814.8334	5834.9384	---	---
11N20SISO	Ant2	5180	18.498	5170.8498	5189.3478	---	---
		5220	20.867	5210.0155	5230.8825	---	---
		5240	20.848	5230.1923	5251.0403	---	---
		5745	20.111	5735.2443	5755.3553	---	---
		5785	19.843	5775.1860	5795.0290	---	---
		5825	20.569	5814.6643	5835.2333	---	---
11N40SISO	Ant2	5190	36.669	5171.7642	5208.4332	---	---
		5230	36.671	5211.7612	5248.4322	---	---
		5755	36.847	5736.6032	5773.4502	---	---
		5795	36.925	5776.5085	5813.4335	---	---
11AC20SISO	Ant2	5180	18.549	5170.7815	5189.3305	---	---
		5220	19.069	5210.6288	5229.6978	---	---
		5240	18.740	5230.7323	5249.4723	---	---
		5745	19.076	5735.6229	5754.6989	---	---
		5785	19.027	5775.5683	5794.5953	---	---
		5825	19.055	5815.5265	5834.5815	---	---
11AC40SISO	Ant2	5190	36.534	5171.8599	5208.3939	---	---
		5230	36.694	5211.7613	5248.4553	---	---
		5755	36.869	5736.6001	5773.4691	---	---
		5795	36.926	5776.5204	5813.4464	---	---
11AC80SISO	Ant2	5210	76.061	5172.0417	5248.1027	---	---
		5775	75.894	5736.6535	5812.5475	---	---

Test Graphs



11A_Ant2_5220

Agilent Spectrum Analyzer - Occupied BW

Center Freq 5.220000000 GHz

Center Freq: 5.220000000 GHz

Trig: Free Run

Avg/Hold: 500/500

Radio Std: None

Radio Device: BTS

Ref Offset 0.8 dB

Ref 20.00 dBm

10 dB/div

Log

Center 5.22 GHz

#Res BW 620 kHz

#VBW 2 MHz

Span 40 MHz

Sweep 1 ms

Occupied Bandwidth

20.475 MHz

Total Power

20.2 dBm

Transmit Freq Error

605.85 kHz

OBW Power

99.00 %

x dB Bandwidth

36.12 MHz

x dB

-26.00 dB

MSG

STATUS

Frequency

Center Freq

5.220000000 GHz

CF Step

4.000000 MHz

Auto

Man

Freq Offset

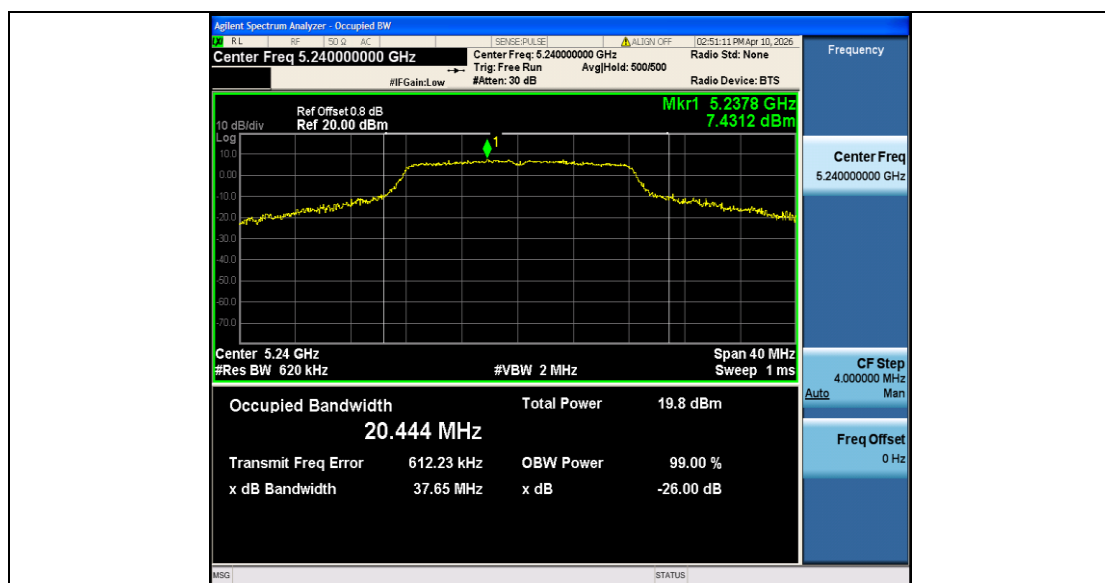
0 Hz

Mkr1 5.21764 GHz

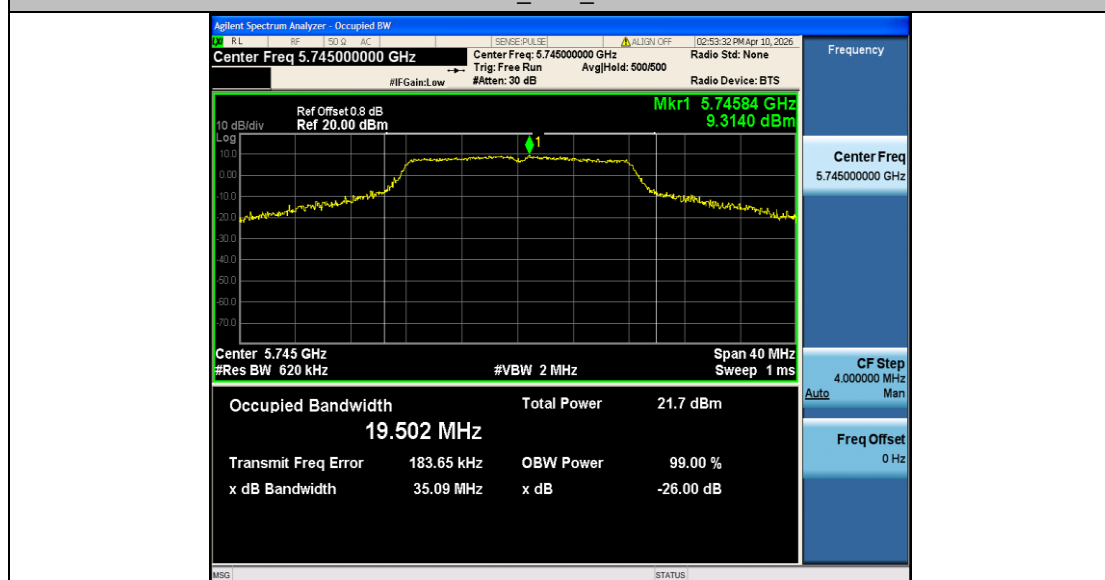
8.3393 dBm

1

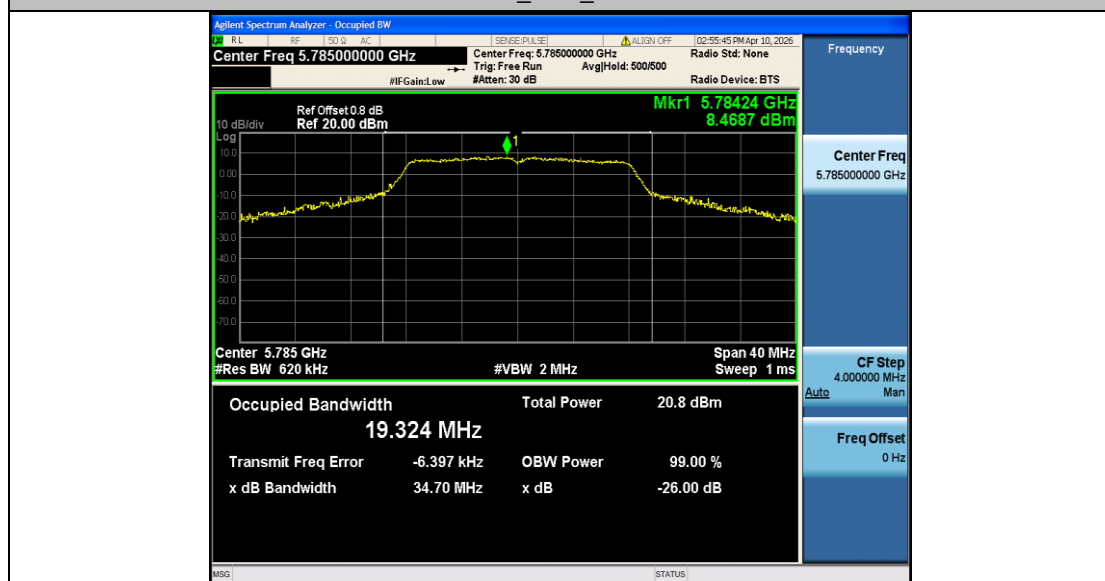
11A_Ant2_5240



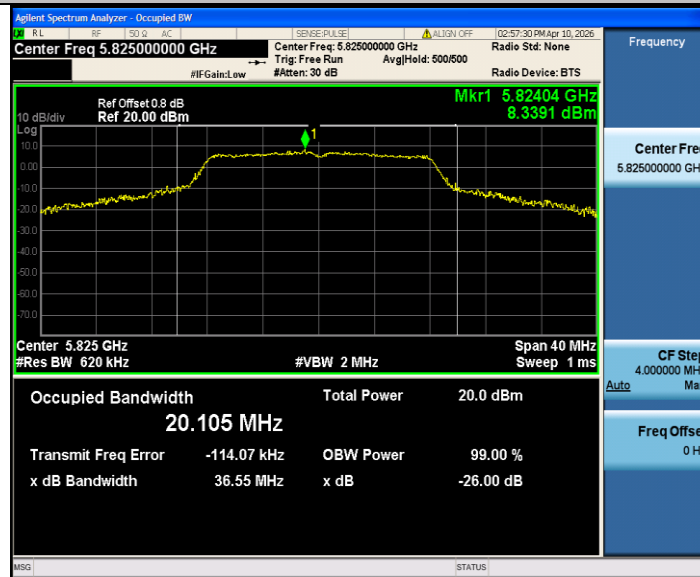
11A_Ant2_5745



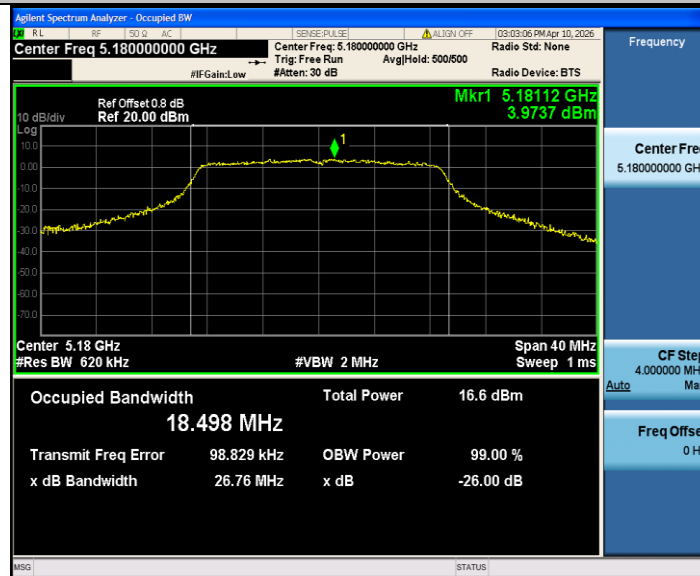
11A_Ant2_5785



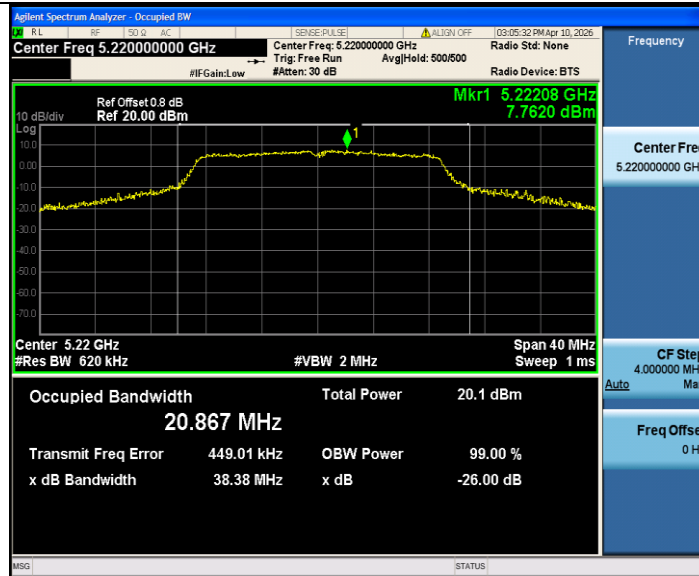
11A_Ant2_5825



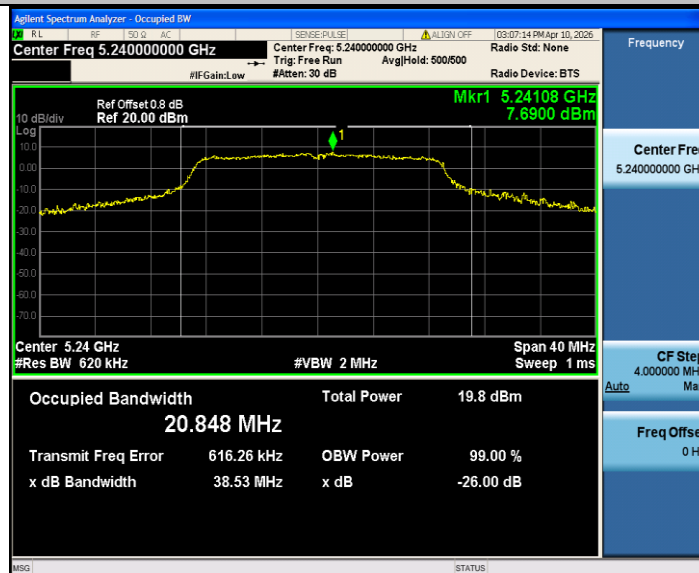
11N20SISO_Ant2_5180



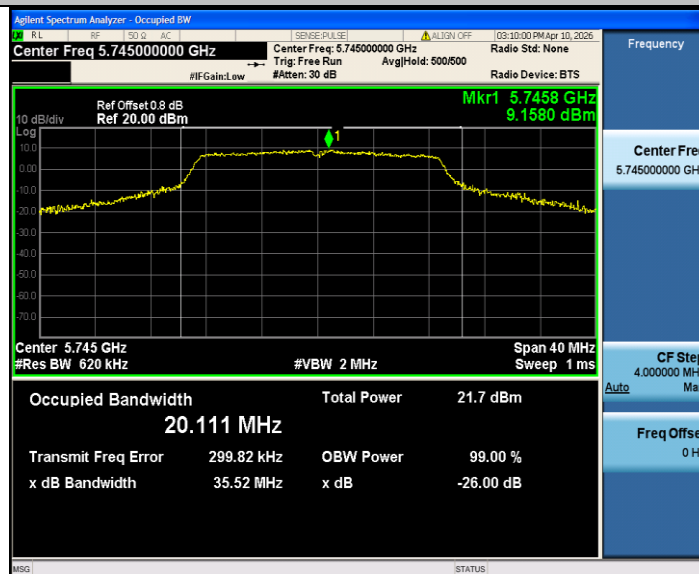
11N20SISO_Ant2_5220



11N20SISO_Ant2_5240



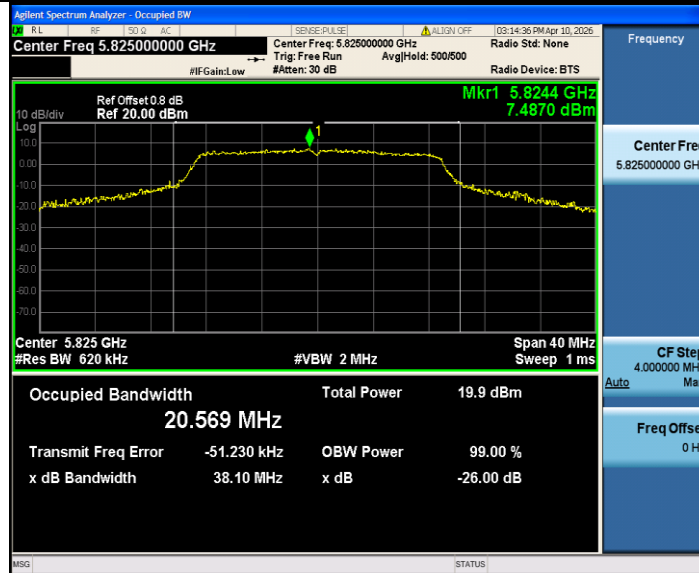
11N20SISO_Ant2_5745



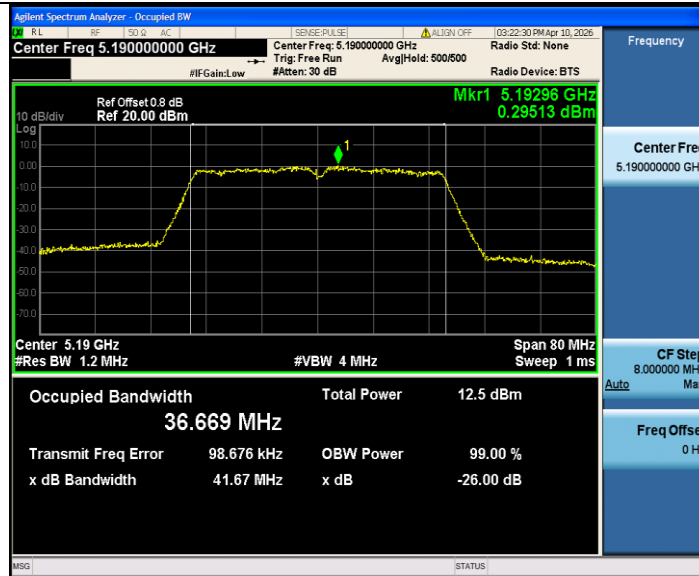
11N20SISO_Ant2_5785



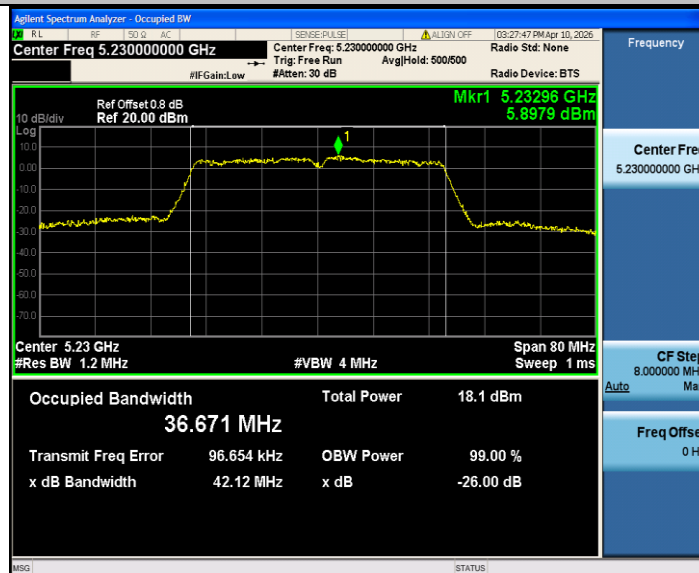
11N20SISO_Ant2_5825



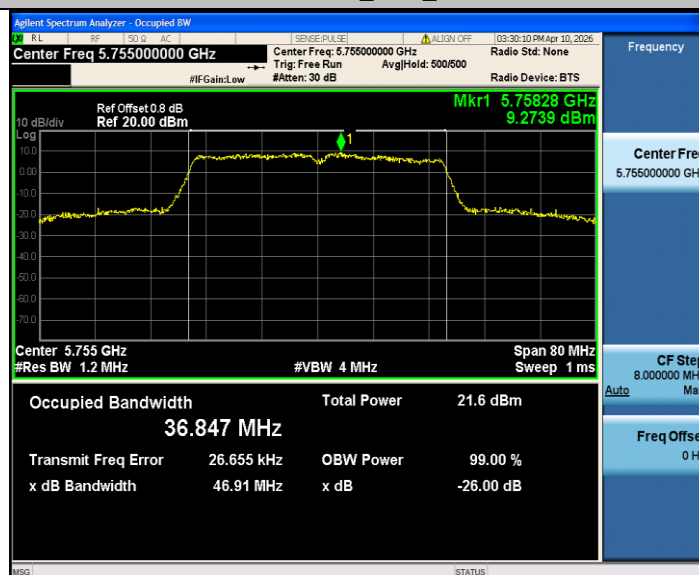
11N40SISO_Ant2_5190



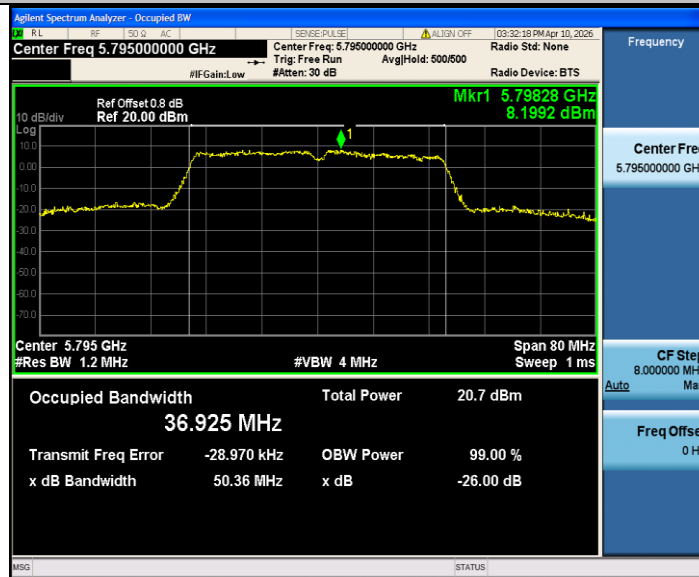
11N40SISO_Ant2_5230



11N40SISO_Ant2_5755



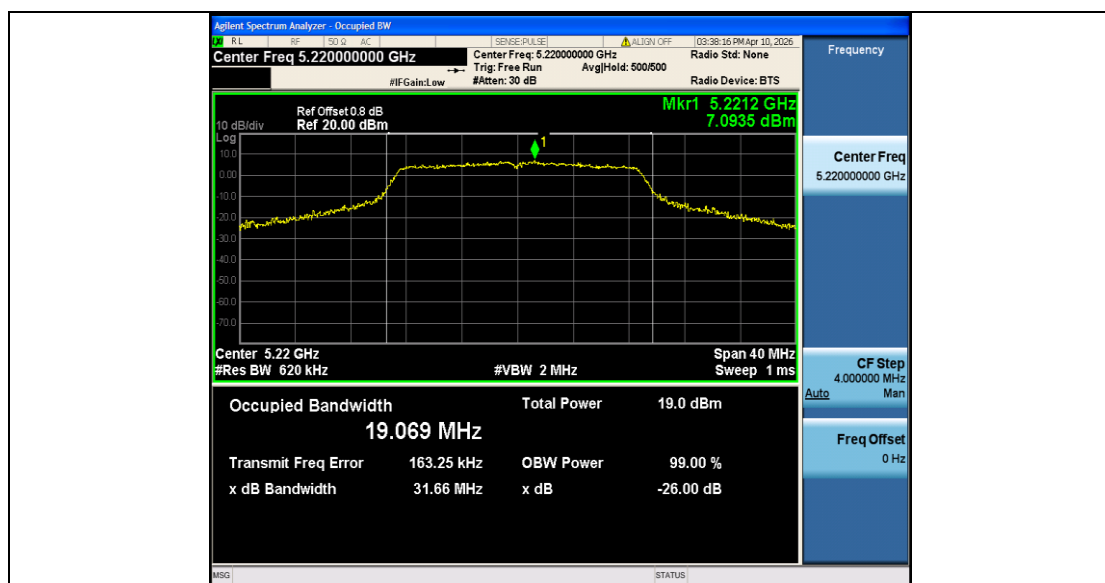
11N40SISO_Ant2_5795



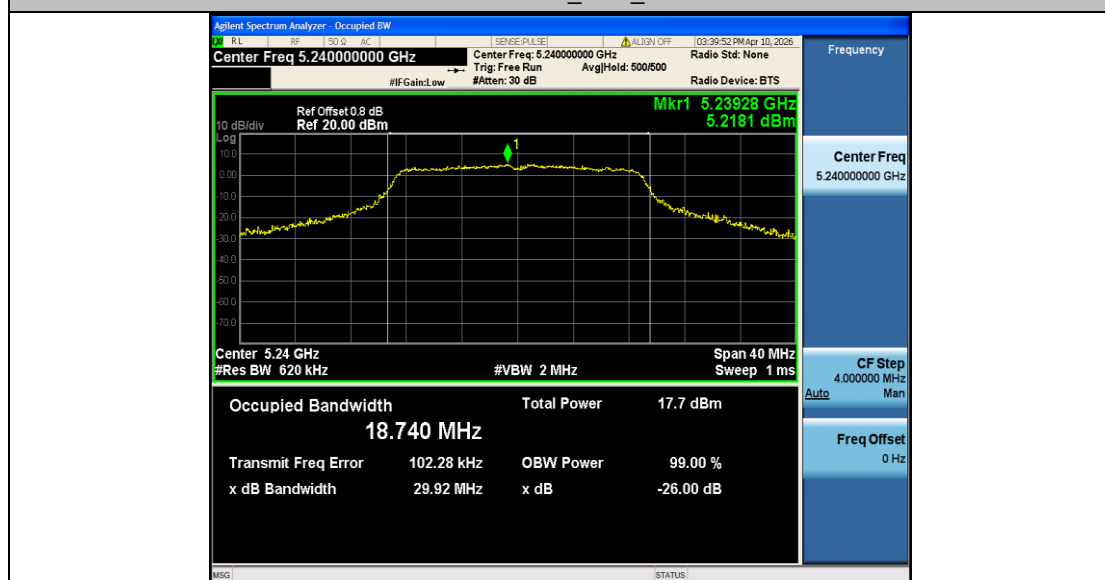
11AC20SISO_Ant2_5180



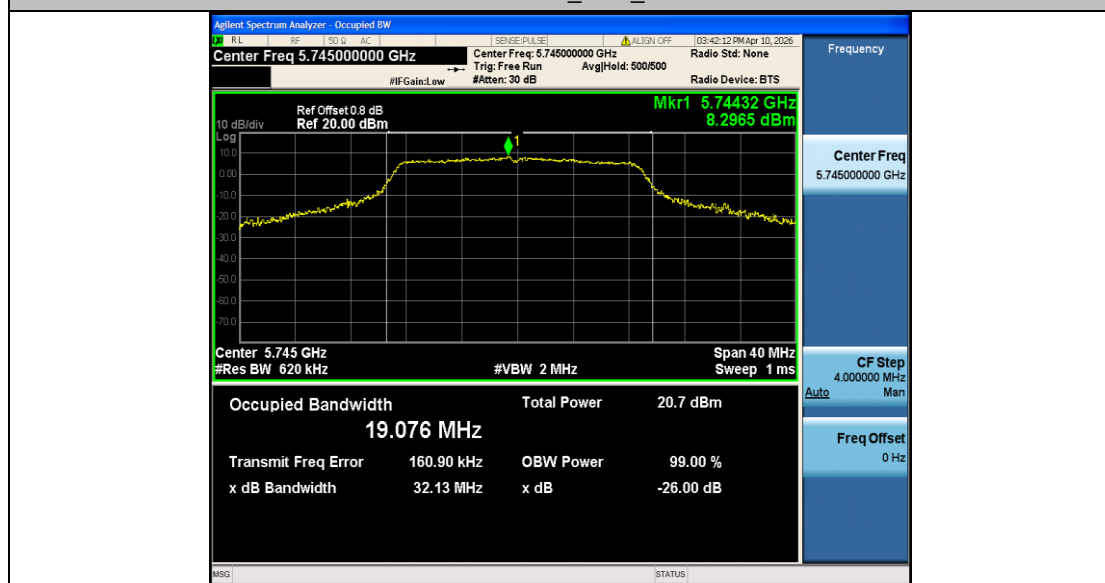
11AC20SISO_Ant2_5220



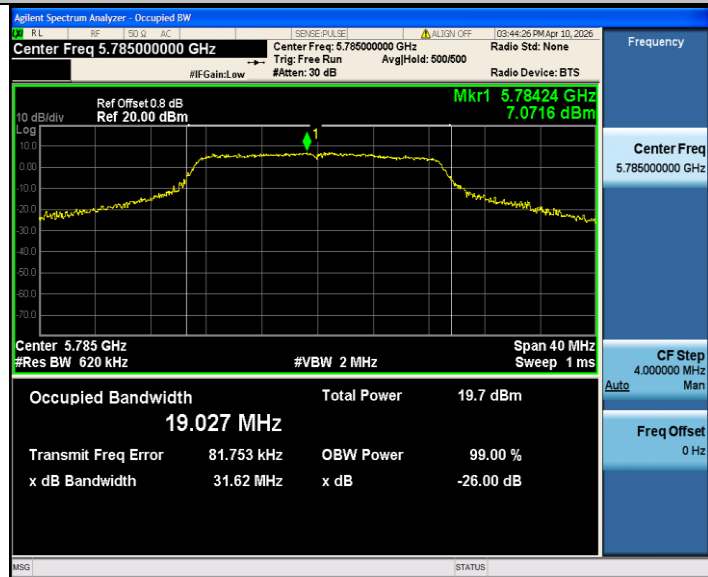
11AC20SISO_Ant2_5240



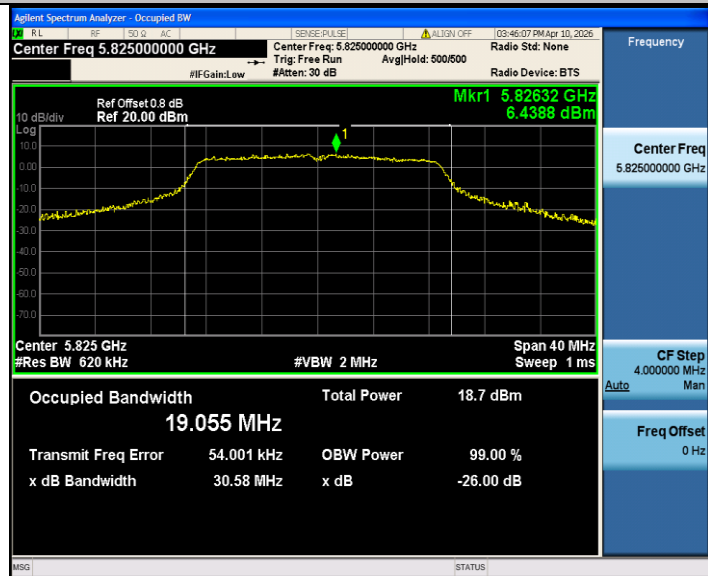
11AC20SISO_Ant2_5745



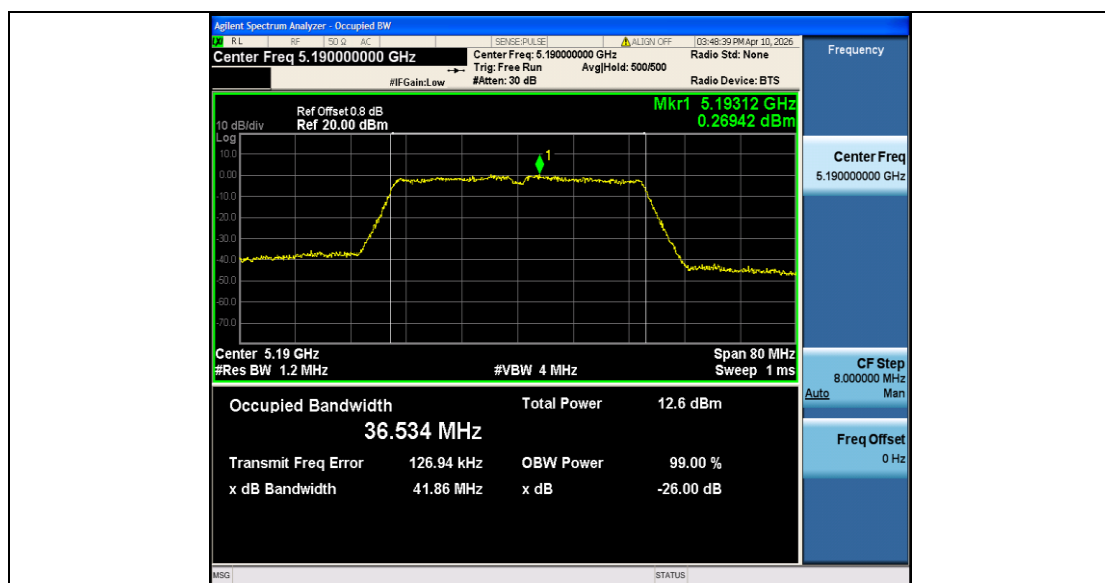
11AC20SISO_Ant2_5785



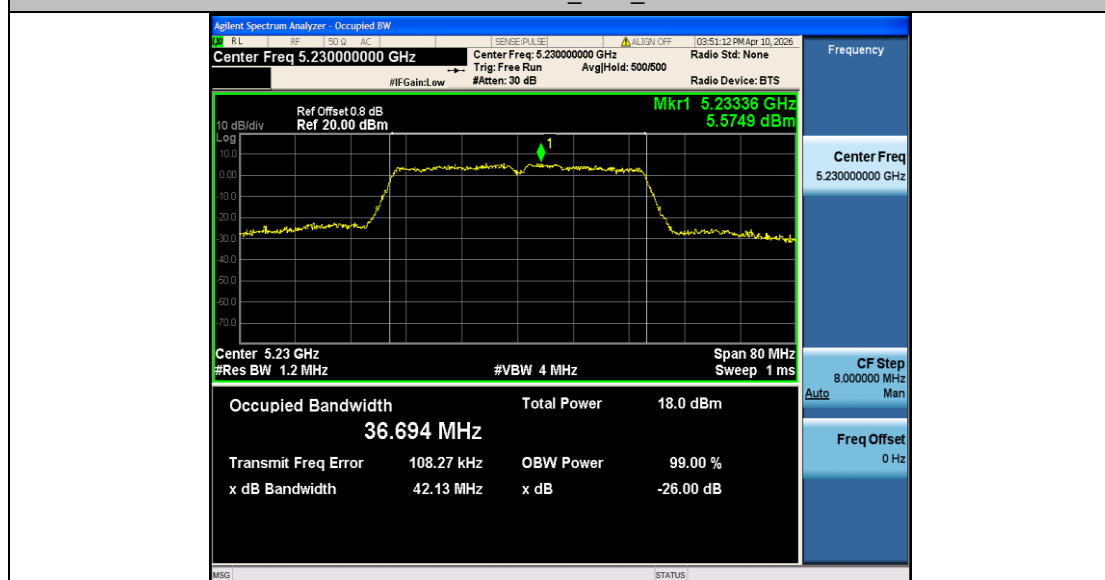
11AC20SISO_Ant2_5825



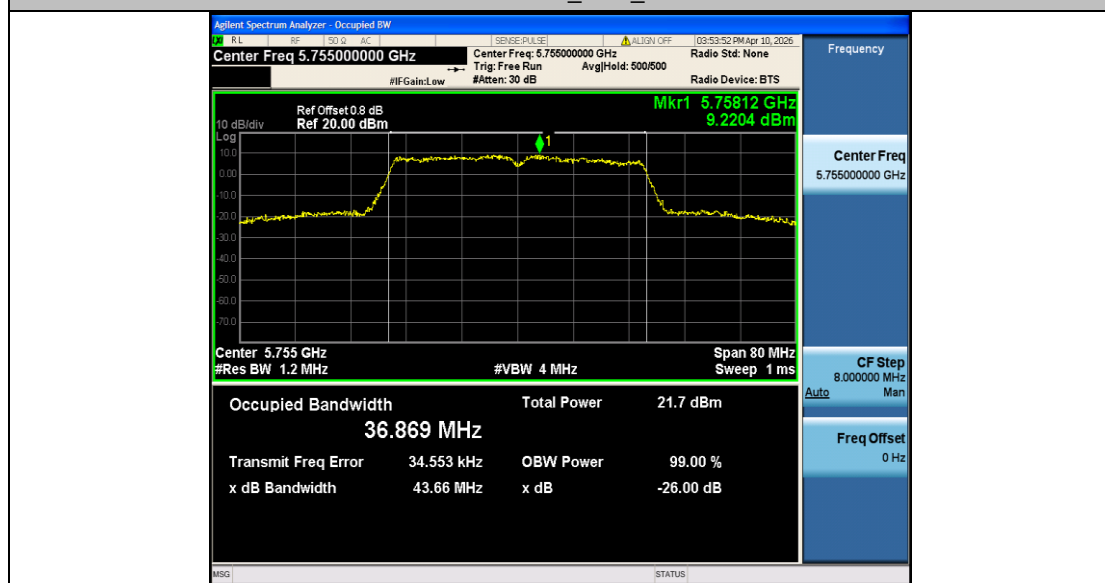
11AC40SISO_Ant2_5190



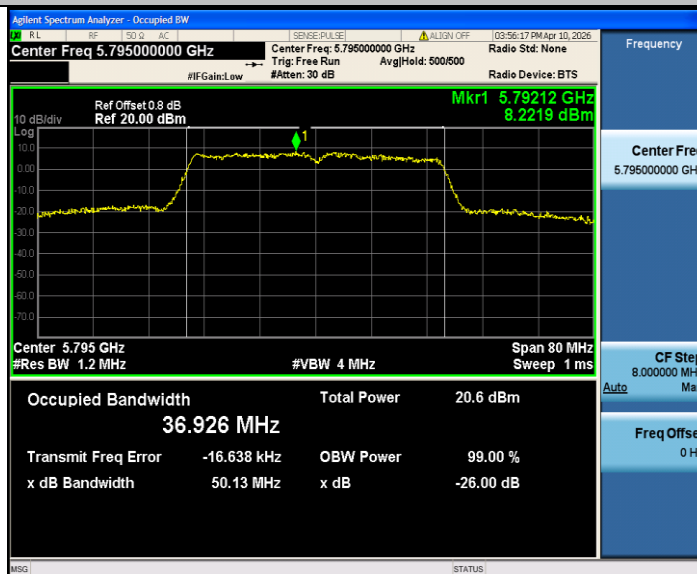
11AC40SISO_Ant2_5230



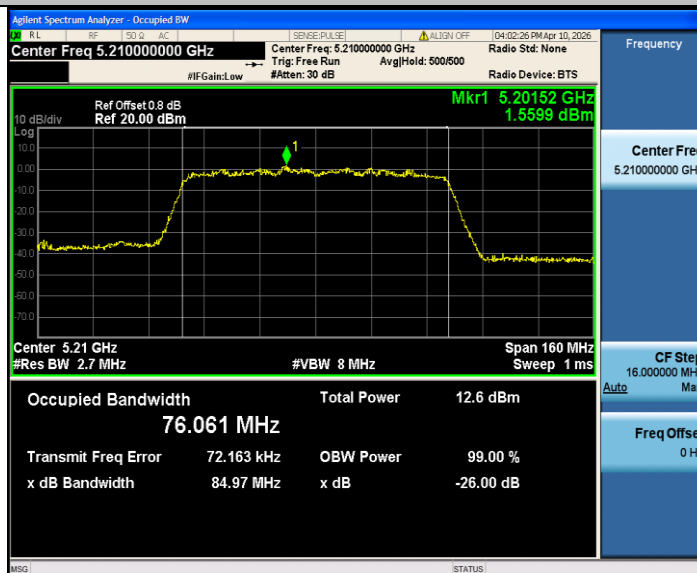
11AC40SISO_Ant2_5755



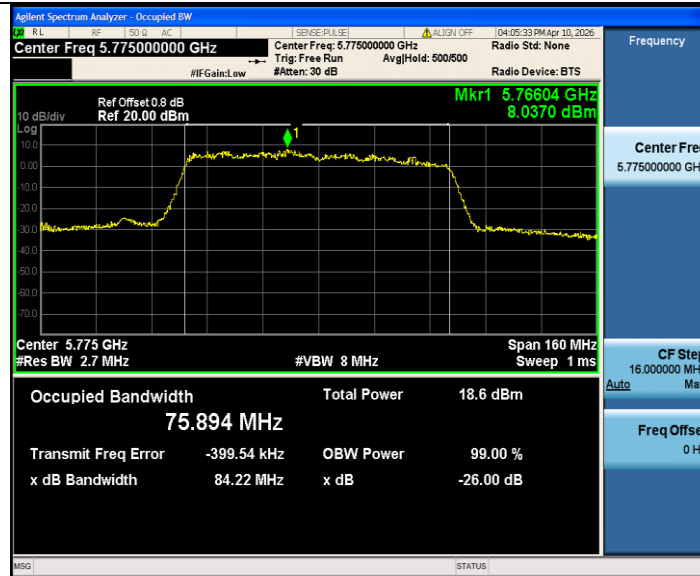
11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5210



11AC80SISO_Ant2_5775

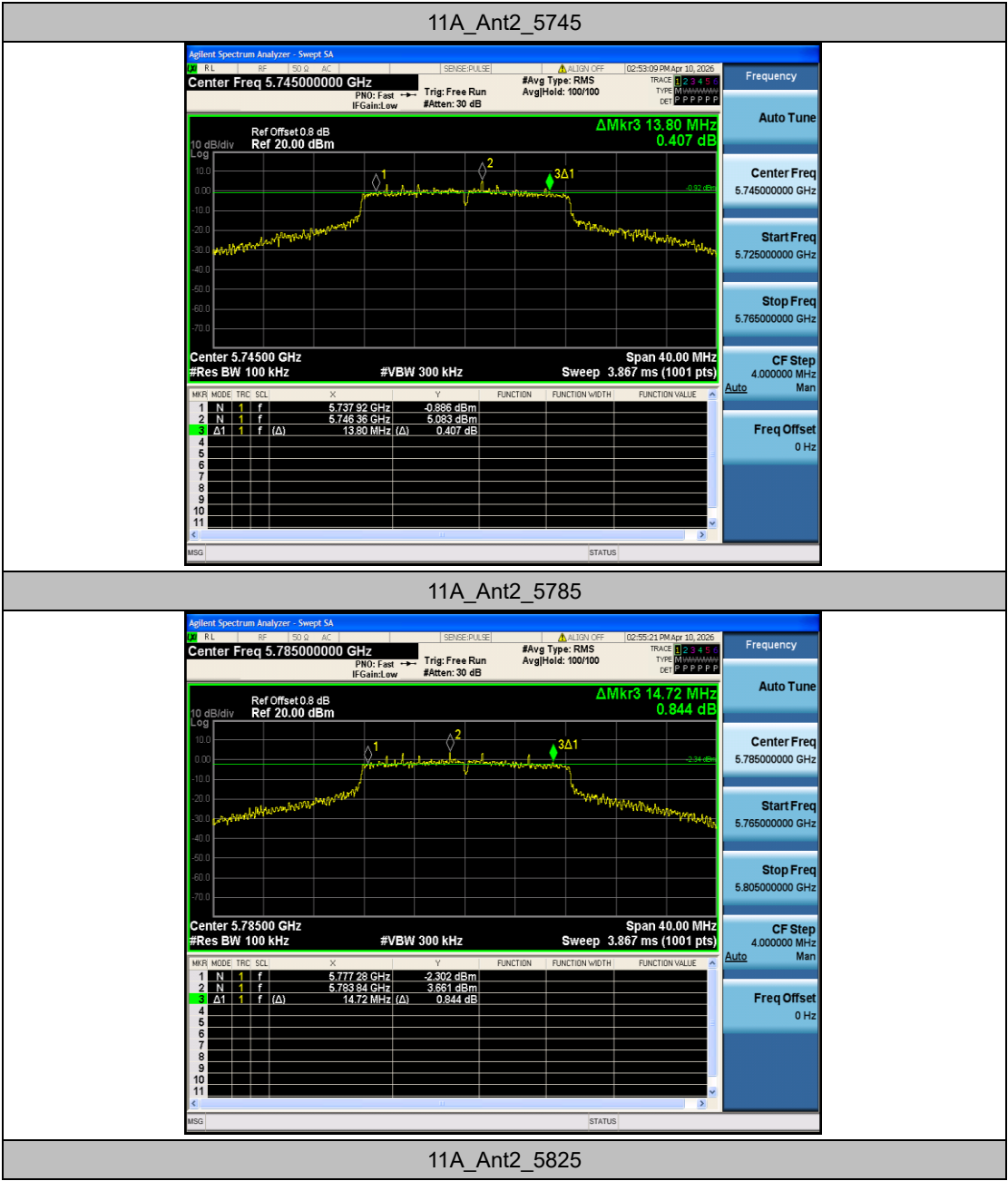


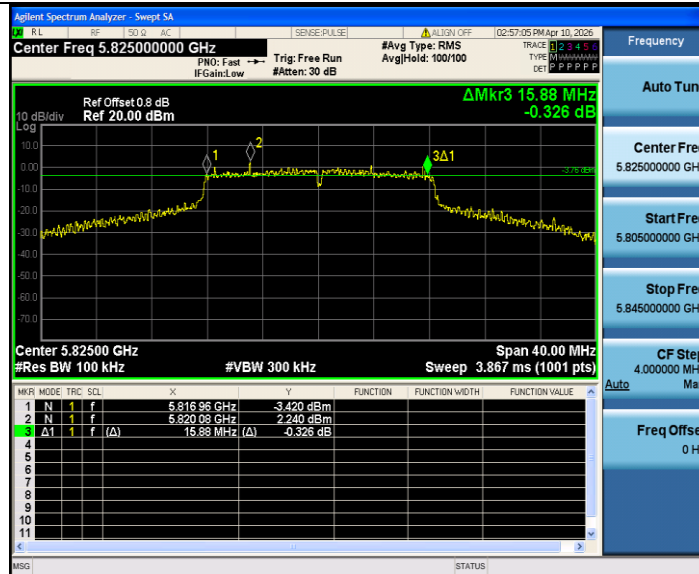
Appendix A3: Min emission bandwidth

Test Result B4

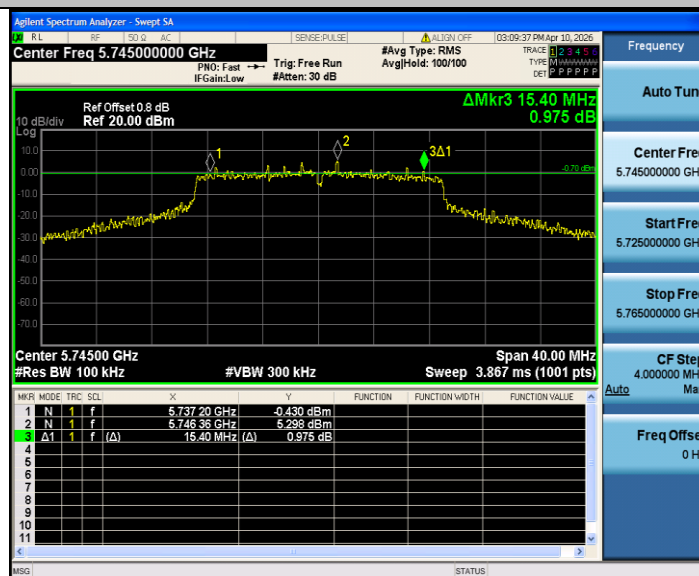
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5745	13.800	5737.920	5751.720	0.5	PASS
		5785	14.720	5777.280	5792.000	0.5	PASS
		5825	15.880	5816.960	5832.840	0.5	PASS
11N20SISO	Ant2	5745	15.400	5737.200	5752.600	0.5	PASS
		5785	16.320	5776.320	5792.640	0.5	PASS
		5825	17.200	5816.320	5833.520	0.5	PASS
11N40SISO	Ant2	5755	35.680	5736.920	5772.600	0.5	PASS
		5795	35.520	5777.160	5812.680	0.5	PASS
11AC20SISO	Ant2	5745	13.720	5737.680	5751.400	0.5	PASS
		5785	16.960	5776.560	5793.520	0.5	PASS
		5825	13.520	5816.560	5830.080	0.5	PASS
11AC40SISO	Ant2	5755	35.600	5737.000	5772.600	0.5	PASS
		5795	35.600	5777.000	5812.600	0.5	PASS
11AC80SISO	Ant2	5775	72.800	5737.400	5810.200	0.5	PASS

Test Graphs B4

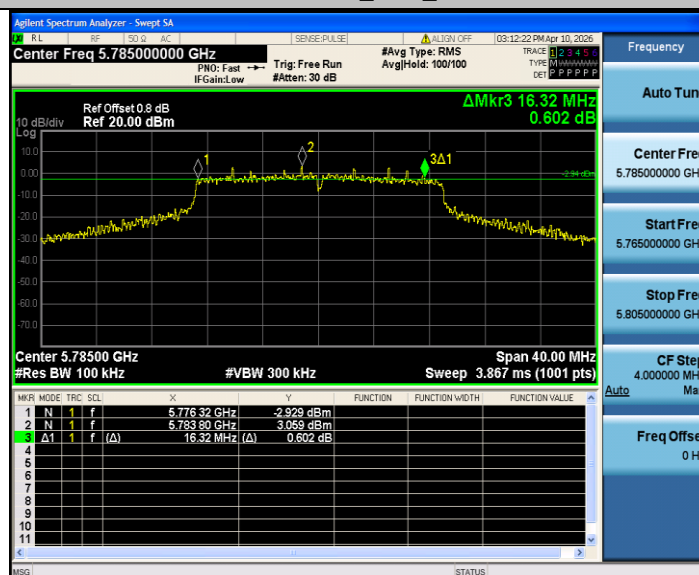


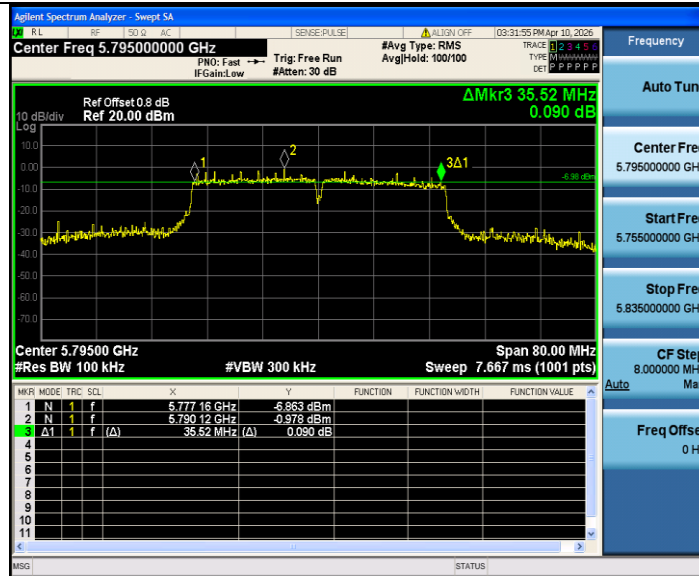


11N20SISO_Ant2_5745

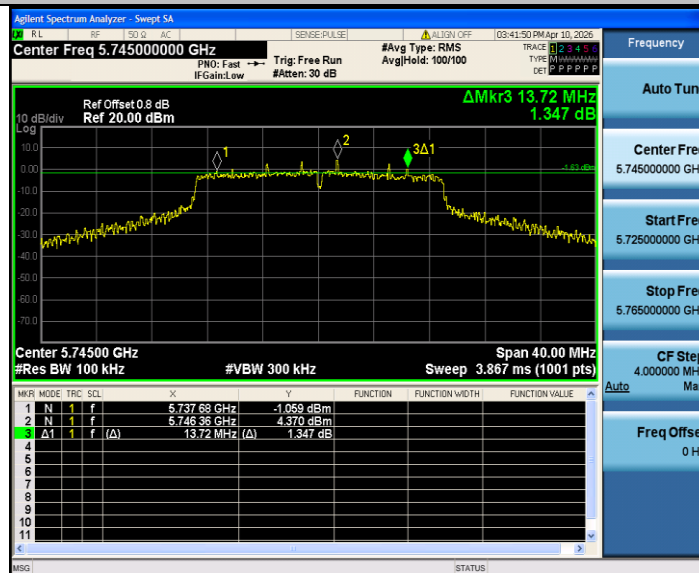


11N20SISO_Ant2_5785





11AC20SISO_Ant2_5745



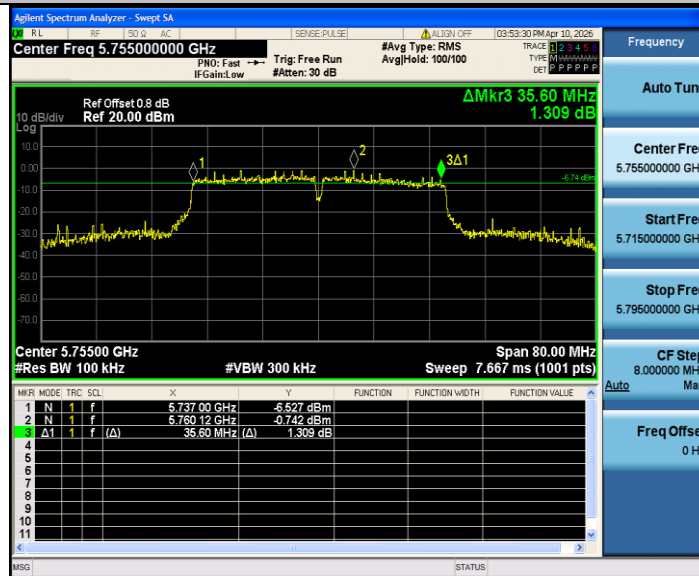
11AC20SISO_Ant2_5785



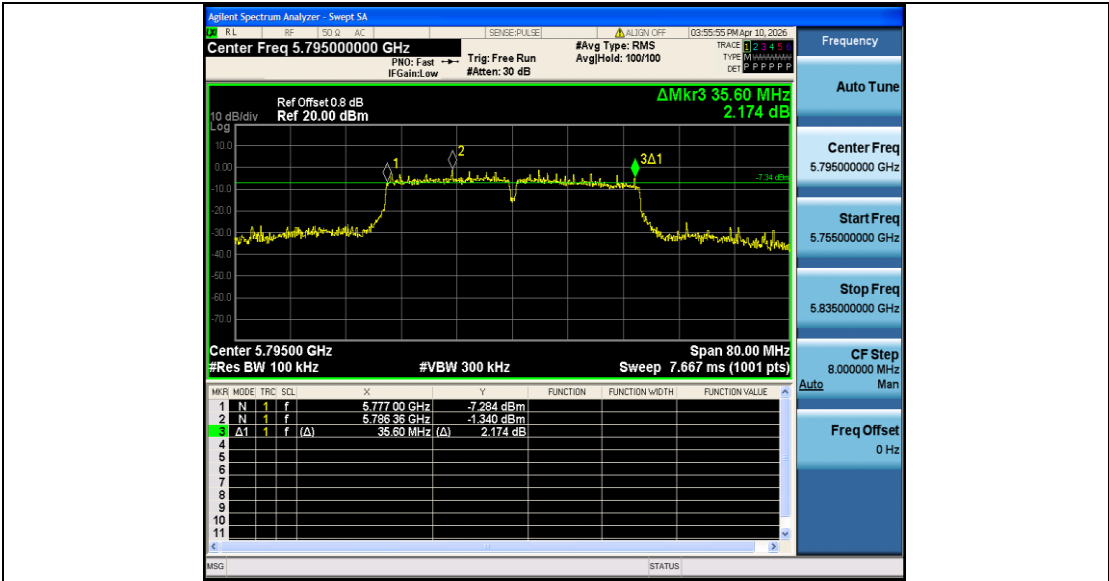
11AC20SISO_Ant2_5825



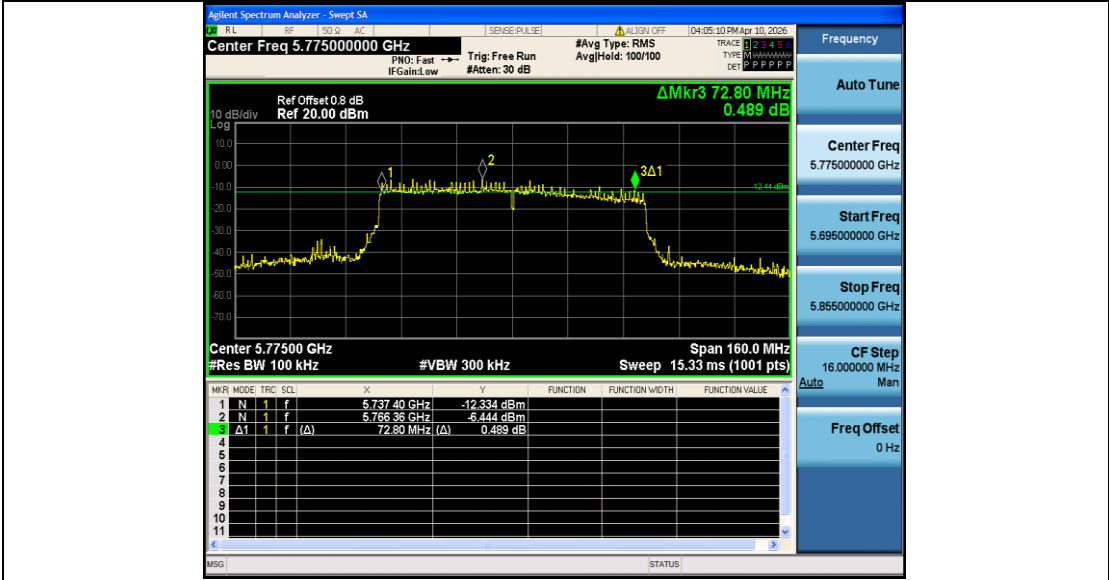
11AC40SISO_Ant2_5755



11AC40SISO_Ant2_5795



11AC80SISO_Ant2_5775

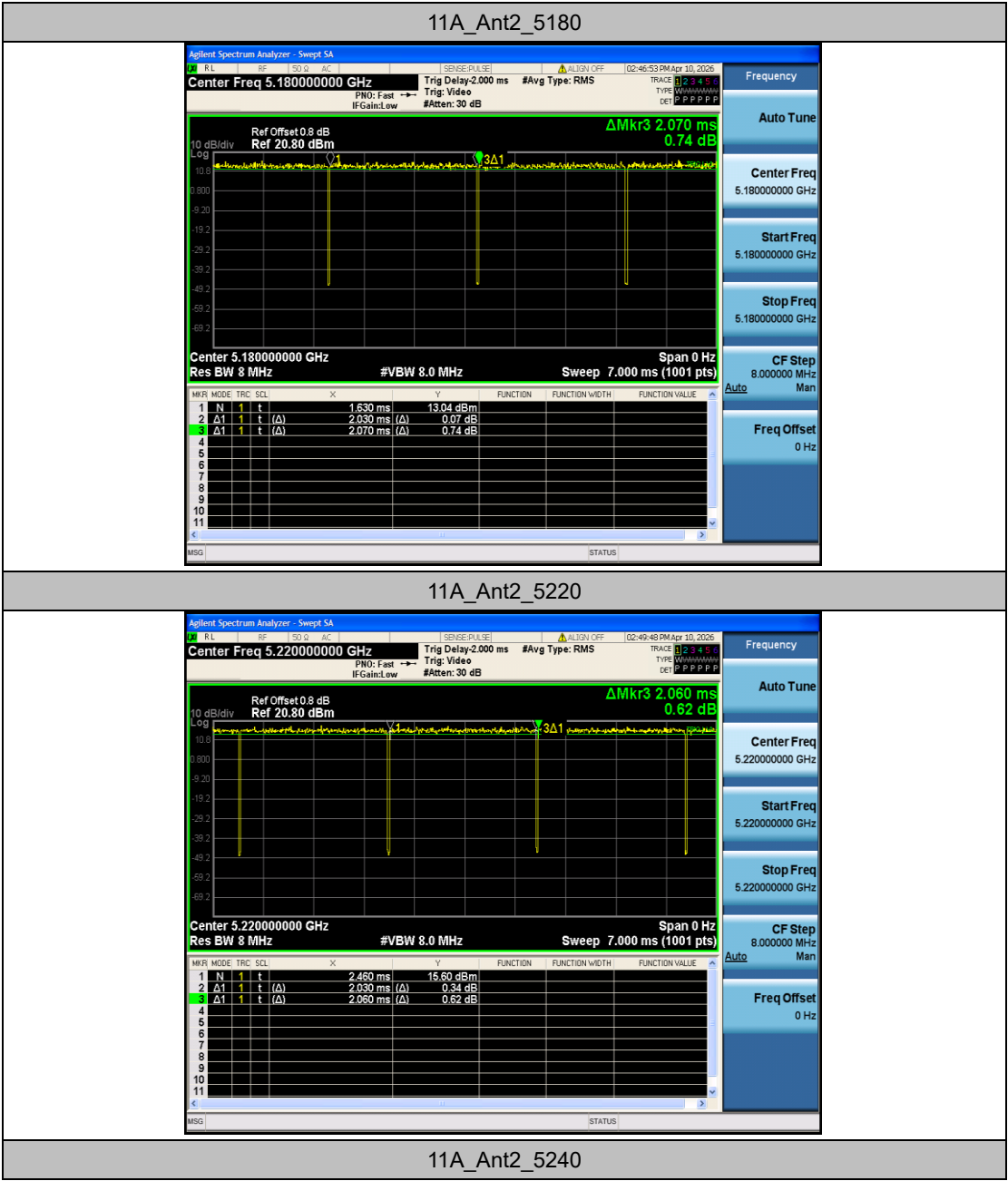


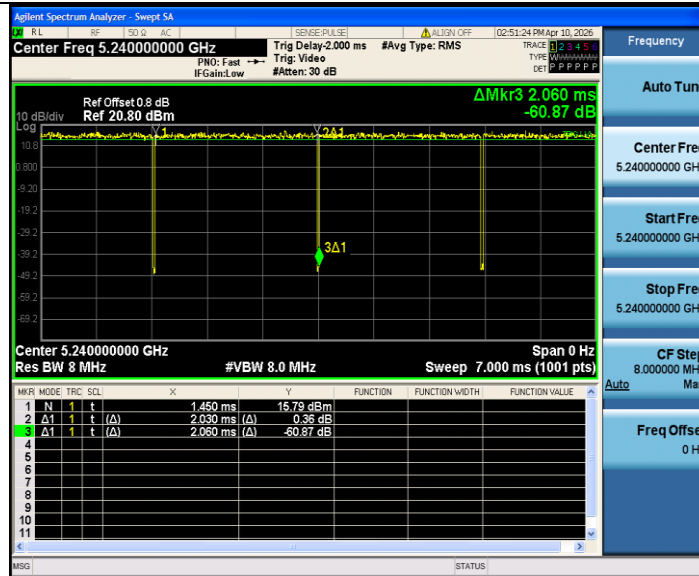
Appendix B: Duty Cycle

Test Result

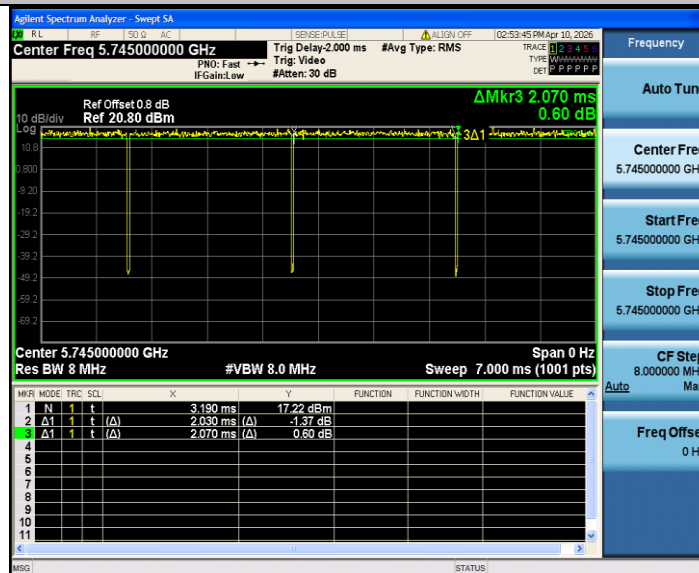
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor [dB]	Limit	Verdict
11A	Ant2	5180	2.03	2.07	98.07	0.08	---	---
		5220	2.03	2.06	98.54	0.06	---	---
		5240	2.03	2.06	98.54	0.06	---	---
		5745	2.03	2.07	98.07	0.08	---	---
		5785	2.03	2.06	98.54	0.06	---	---
		5825	2.02	2.06	98.06	0.09	---	---
11N20SISO	Ant2	5180	1.89	1.92	98.44	0.07	---	---
		5220	1.89	1.93	97.93	0.09	---	---
		5240	1.89	1.92	98.44	0.07	---	---
		5745	1.89	1.92	98.44	0.07	---	---
		5785	1.88	1.92	97.92	0.09	---	---
		5825	1.89	1.92	98.44	0.07	---	---
11N40SISO	Ant2	5190	0.93	0.96	96.88	0.14	---	---
		5230	0.93	0.96	96.88	0.14	---	---
		5755	0.93	0.96	96.88	0.14	---	---
		5795	0.93	0.96	96.88	0.14	---	---
11AC20SISO	Ant2	5180	1.89	1.92	98.44	0.07	---	---
		5220	1.89	1.92	98.44	0.07	---	---
		5240	1.89	1.92	98.44	0.07	---	---
		5745	1.89	1.92	98.44	0.07	---	---
		5785	1.89	1.93	97.93	0.09	---	---
		5825	1.89	1.93	97.93	0.09	---	---
11AC40SISO	Ant2	5190	0.93	0.97	95.88	0.18	---	---
		5230	0.93	0.96	96.88	0.14	---	---
		5755	0.93	0.97	95.88	0.18	---	---
		5795	0.93	0.96	96.88	0.14	---	---
11AC80SISO	Ant2	5210	0.45	0.49	91.84	0.37	---	---
		5775	0.45	0.49	91.84	0.37	---	---

Test Graphs

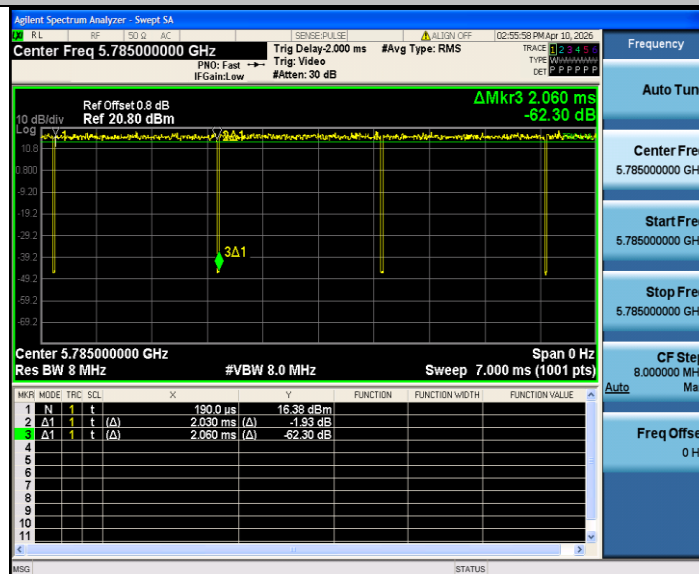




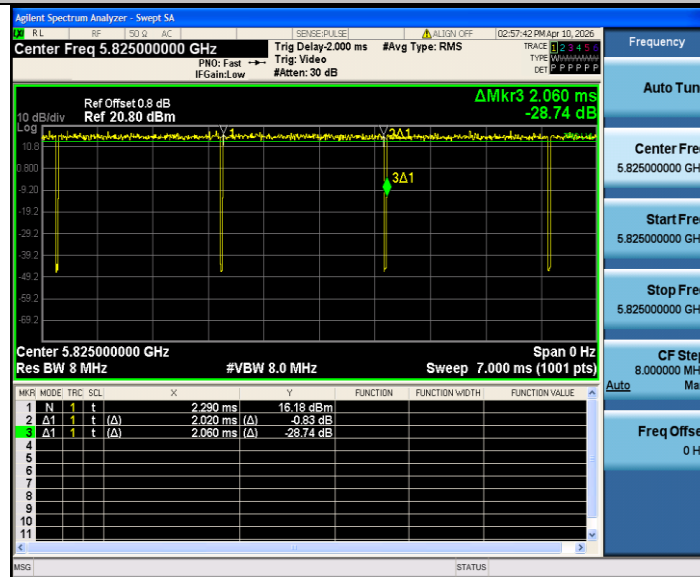
11A_Ant2_5745



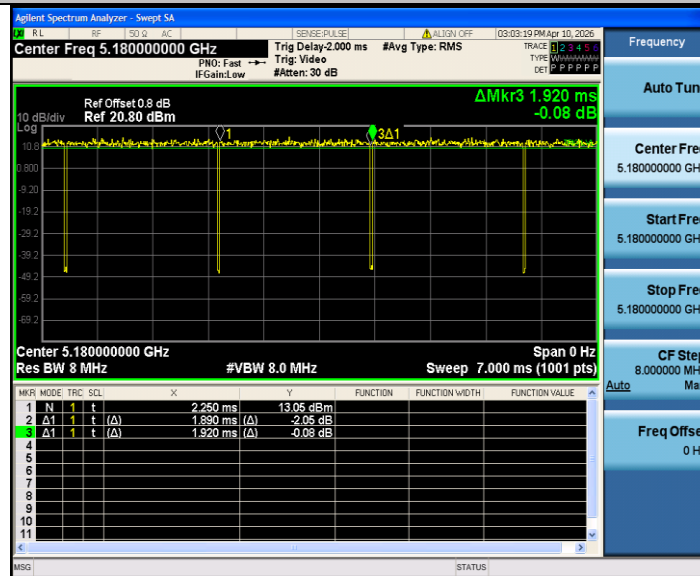
11A_Ant2_5785



11A_Ant2_5825



11N20SISO_Ant2_5180



11N20SISO_Ant2_5220