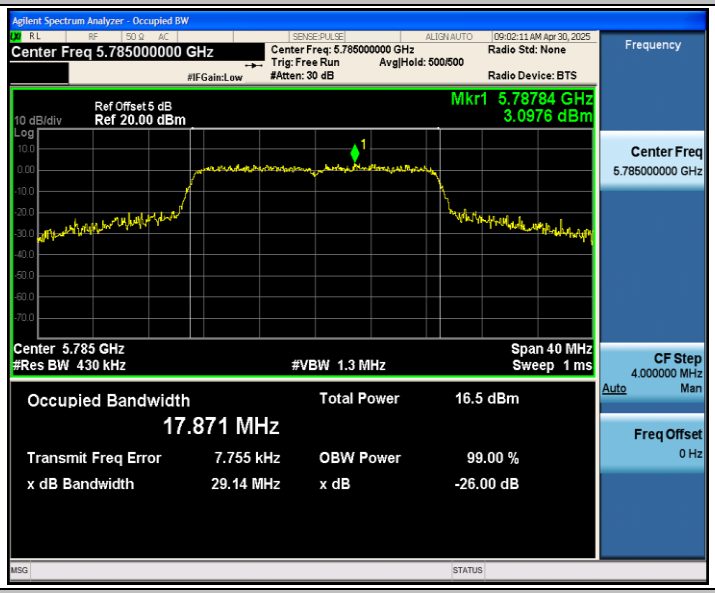
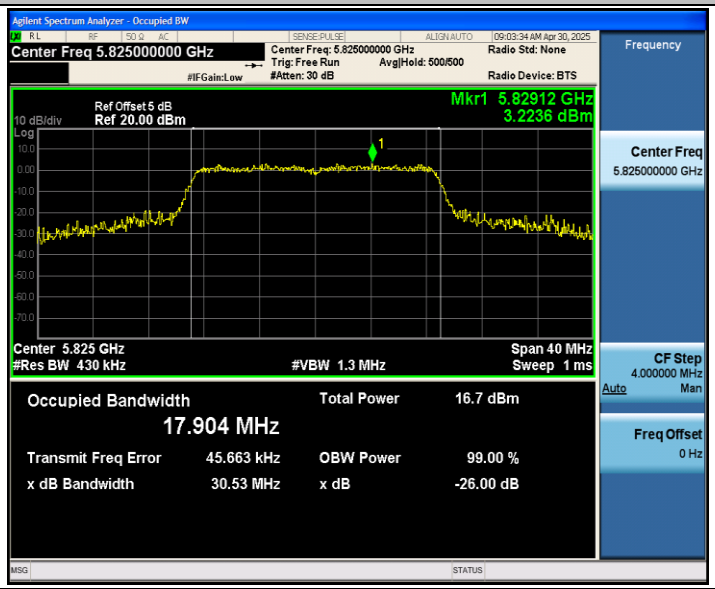
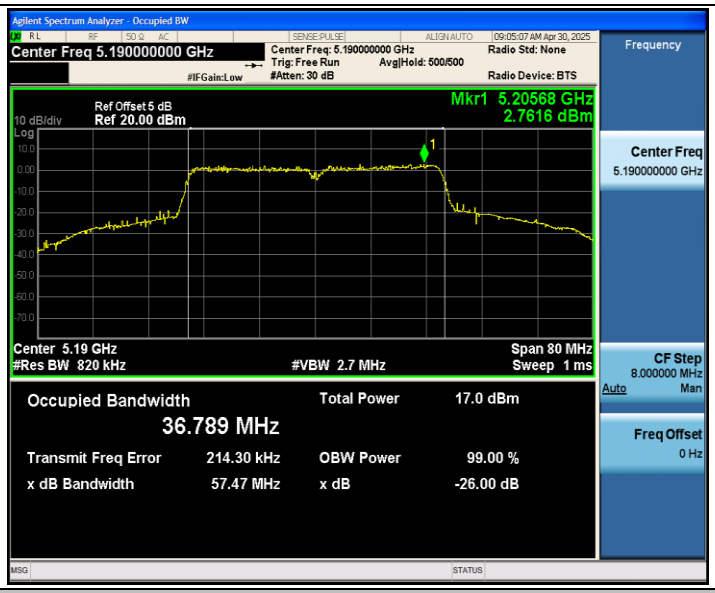
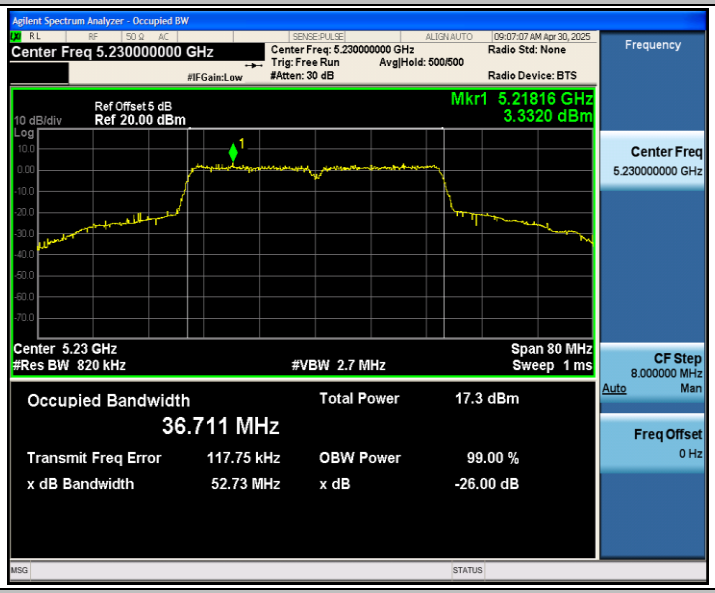
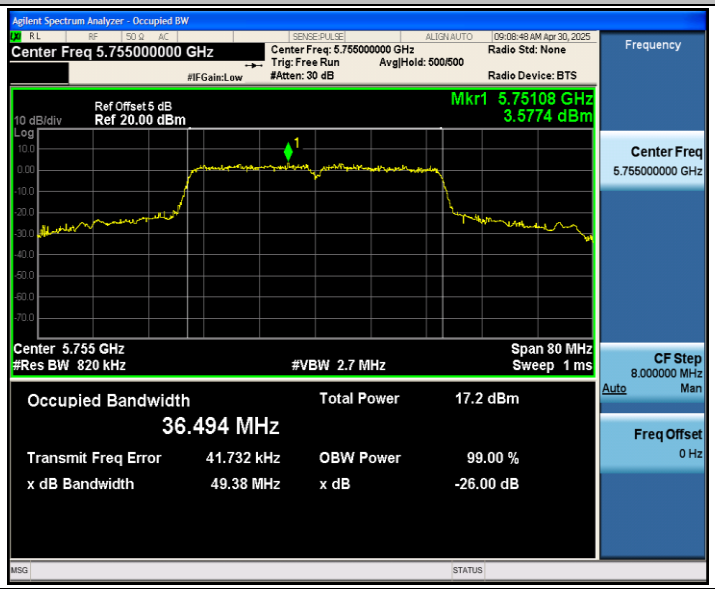
11AX20SISO_Ant1_5785

11AX20SISO_Ant1_5825

11AX40SISO_Ant1_5190

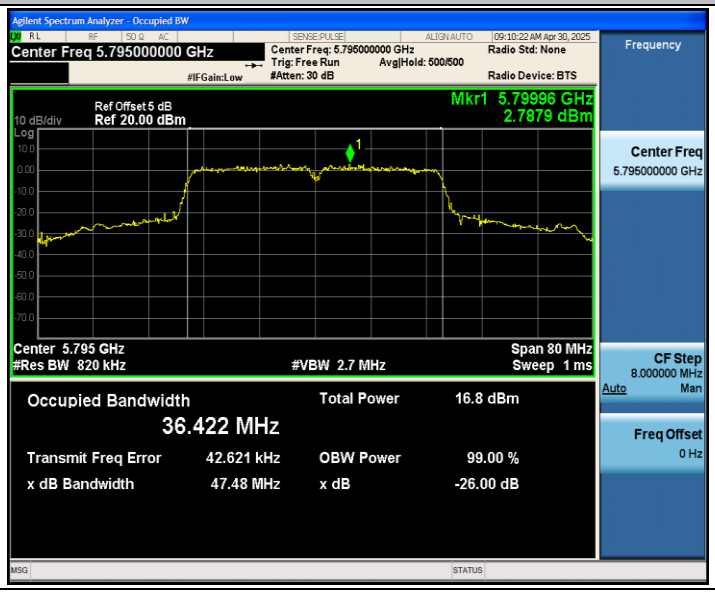


11AX40SISO_Ant1_5230



11AX40SISO_Ant1_5755



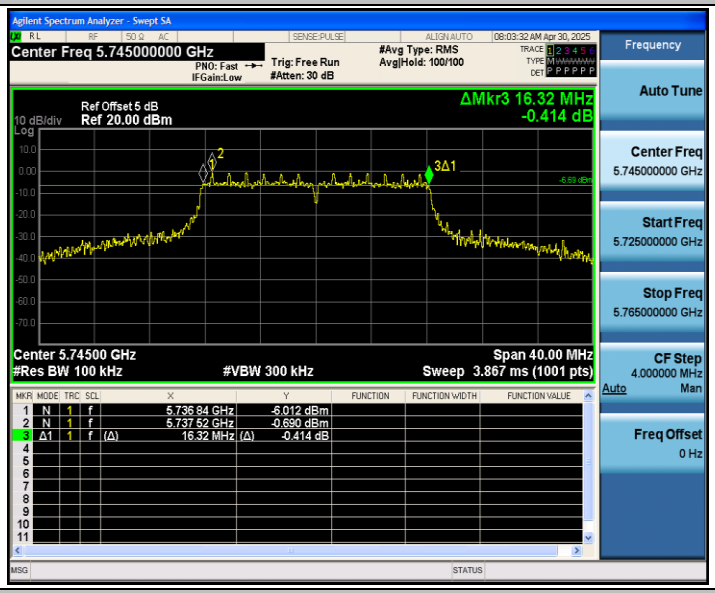
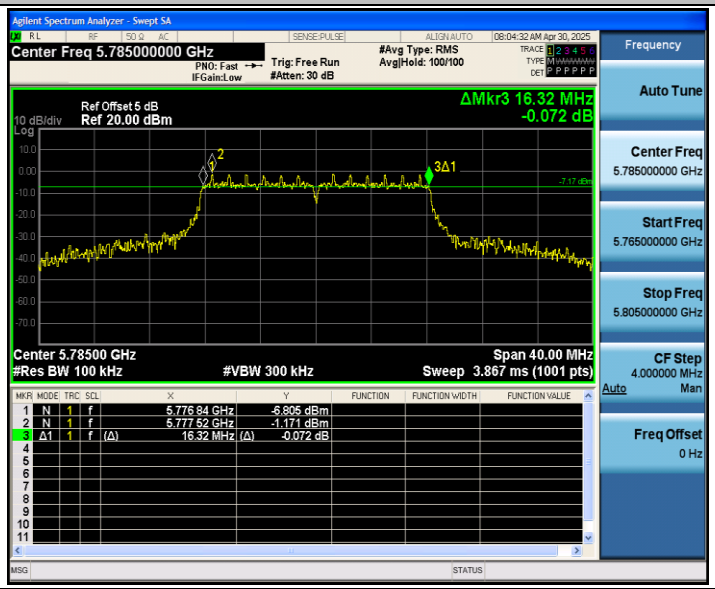
11AX40SISO_Ant1_5795


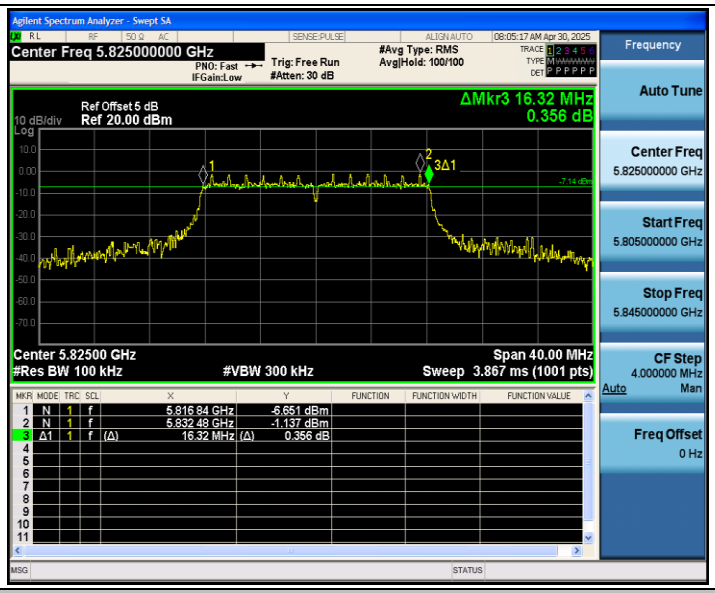
Appendix A3: Min emission bandwidth

Test Result B4

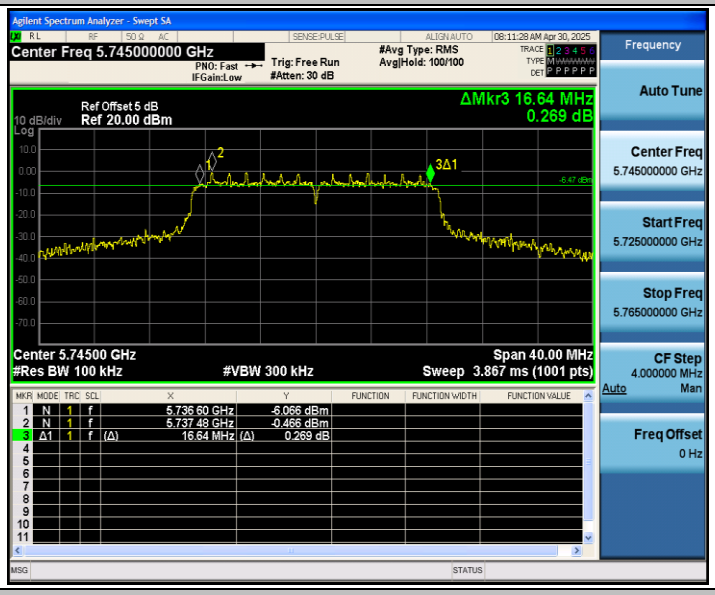
TestMode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.840	5753.160	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	16.640	5736.600	5753.240	0.5	PASS
		5785	17.280	5776.360	5793.640	0.5	PASS
		5825	17.160	5816.480	5833.640	0.5	PASS
11N40SISO	Ant1	5755	35.120	5737.400	5772.520	0.5	PASS
		5795	35.280	5777.400	5812.680	0.5	PASS
11AC20SISO	Ant1	5745	16.560	5736.640	5753.200	0.5	PASS
		5785	16.840	5776.400	5793.240	0.5	PASS
		5825	17.120	5816.520	5833.640	0.5	PASS
11AC40SISO	Ant1	5755	35.360	5737.240	5772.600	0.5	PASS
		5795	35.360	5777.240	5812.600	0.5	PASS
11AX20SISO	Ant1	5745	16.840	5736.480	5753.320	0.5	PASS
		5785	16.880	5776.480	5793.360	0.5	PASS
		5825	16.760	5816.760	5833.520	0.5	PASS
11AX40SISO	Ant1	5755	35.440	5737.240	5772.680	0.5	PASS
		5795	35.520	5777.400	5812.920	0.5	PASS

Test Graphs B4

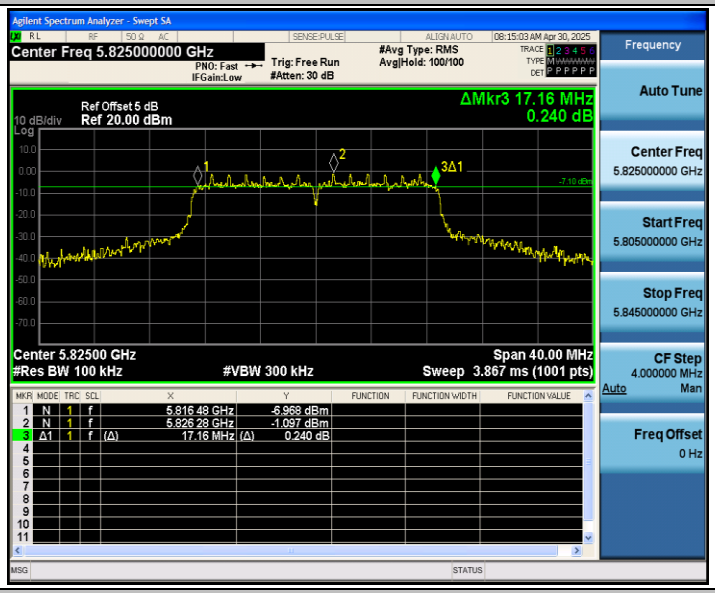
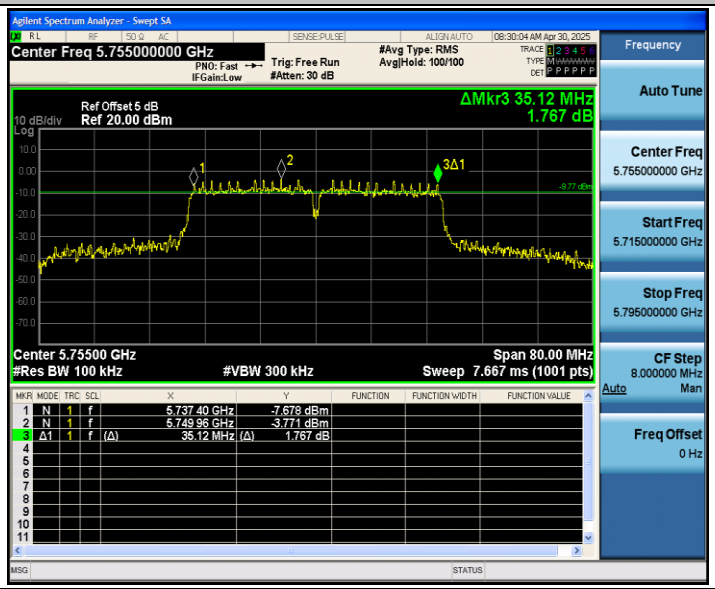
11A_Ant1_5745

11A_Ant1_5785

11A_Ant1_5825

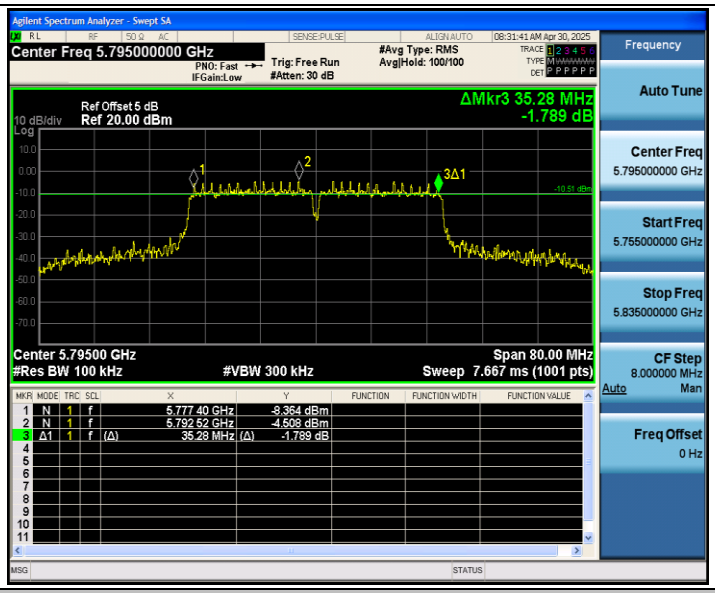


11N20SISO_Ant1_5745

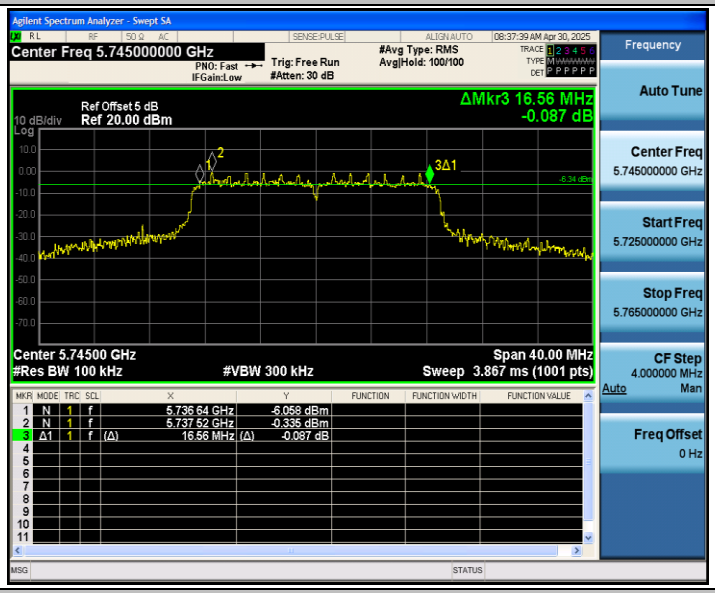


11N20SISO_Ant1_5785

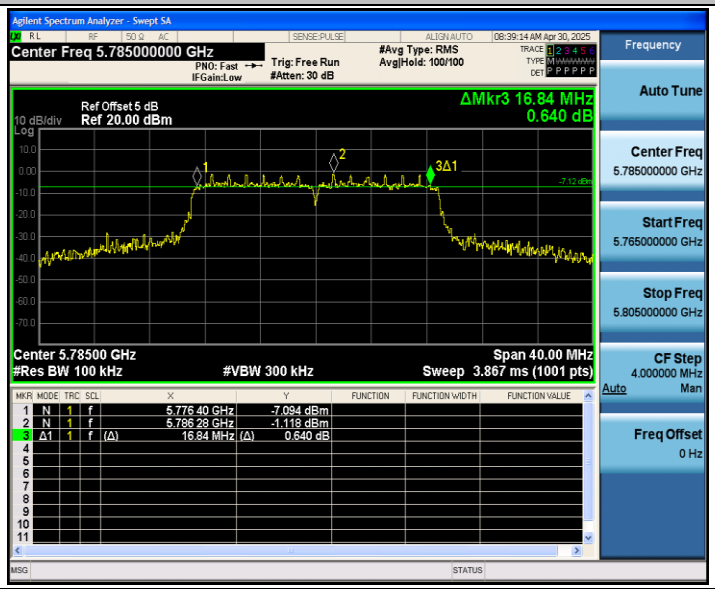
11N20SISO_Ant1_5825

11N40SISO_Ant1_5755

11N40SISO_Ant1_5795



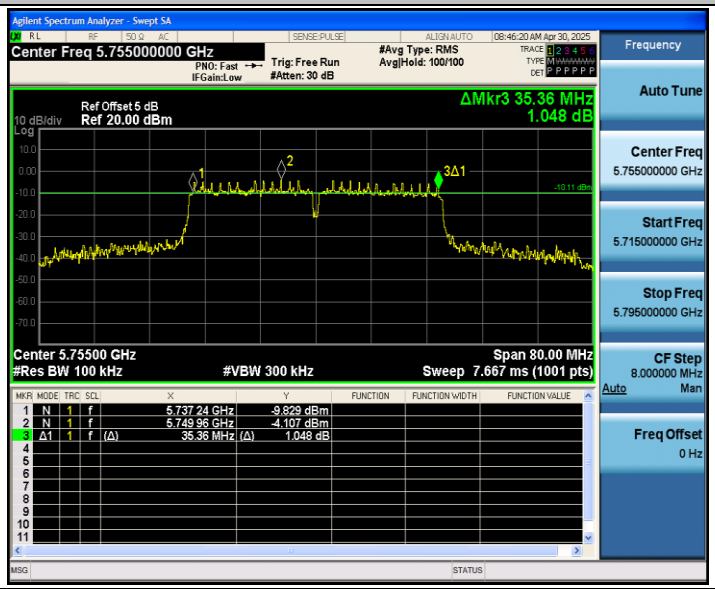
11AC20SISO_Ant1_5745

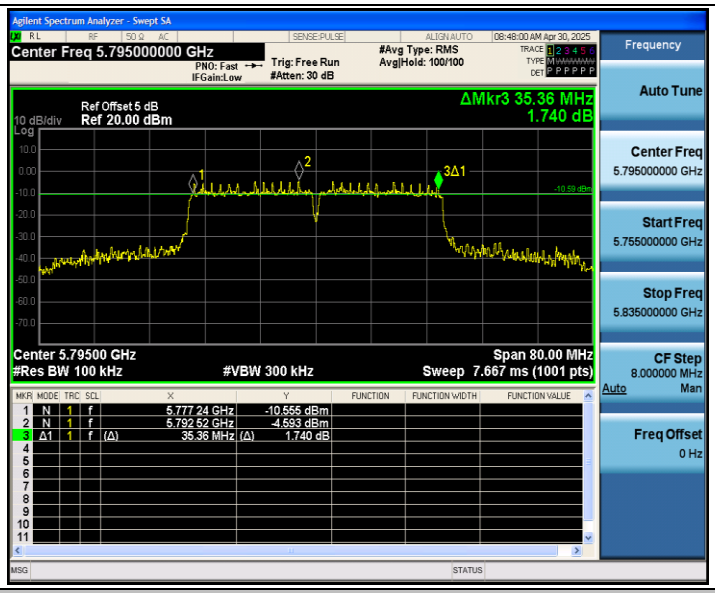


11AC20SISO_Ant1_5785

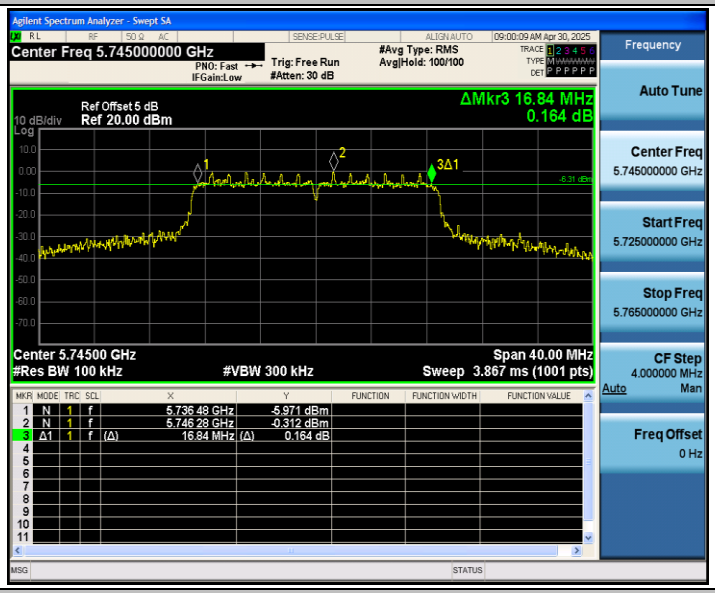


11AC20SISO_Ant1_5825

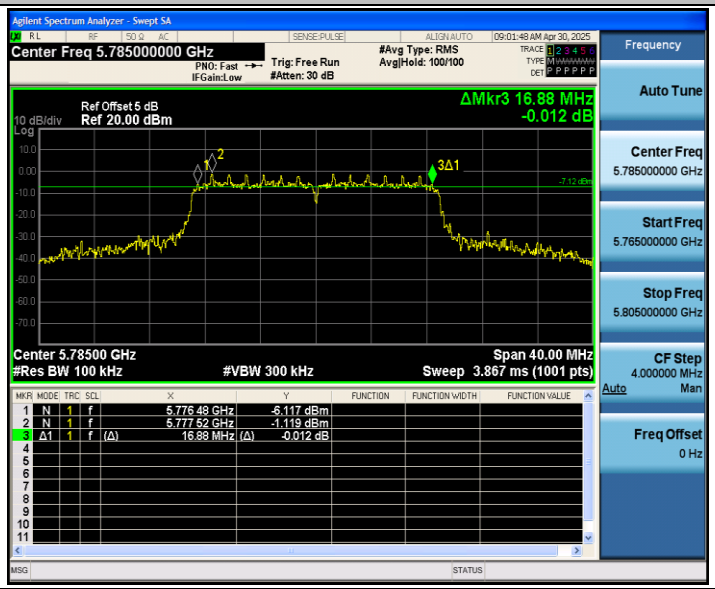
11AC40SISO_Ant1_5755

11AC40SISO_Ant1_5795

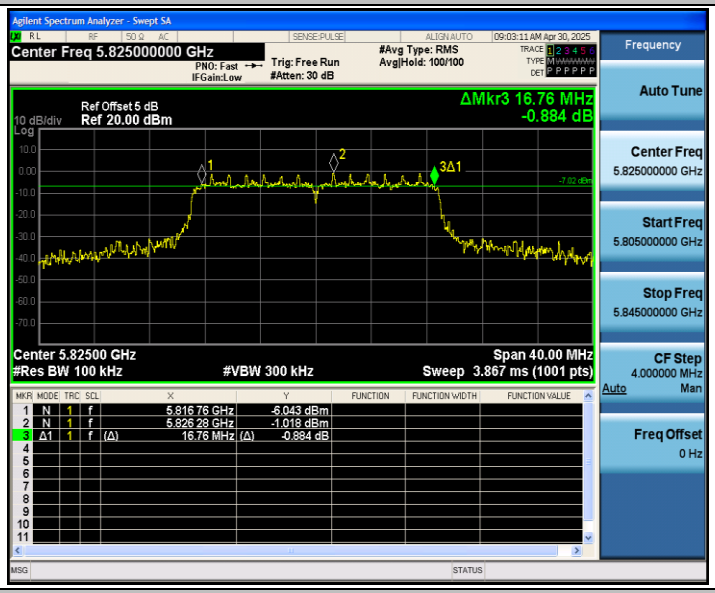
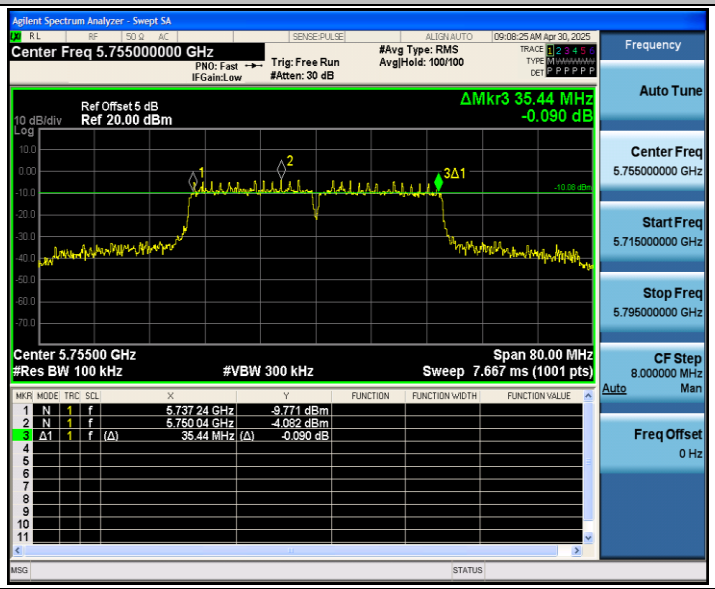


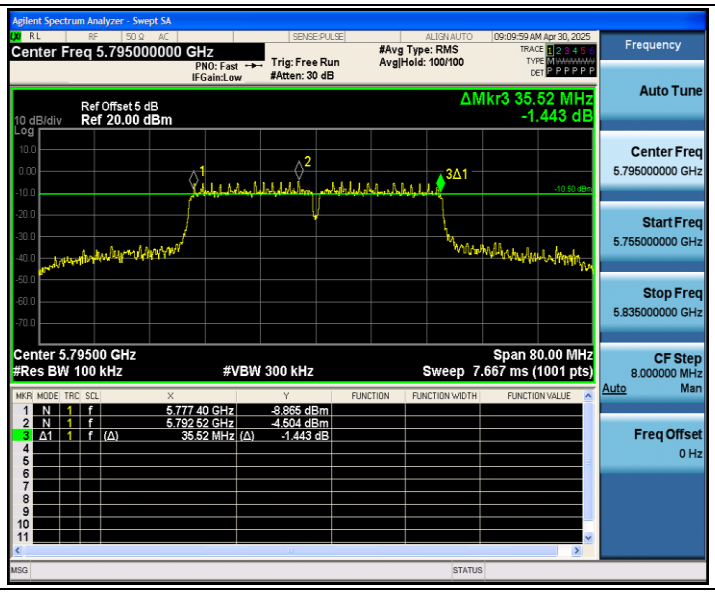
11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825

11AX40SISO_Ant1_5755

11AX40SISO_Ant1_5795

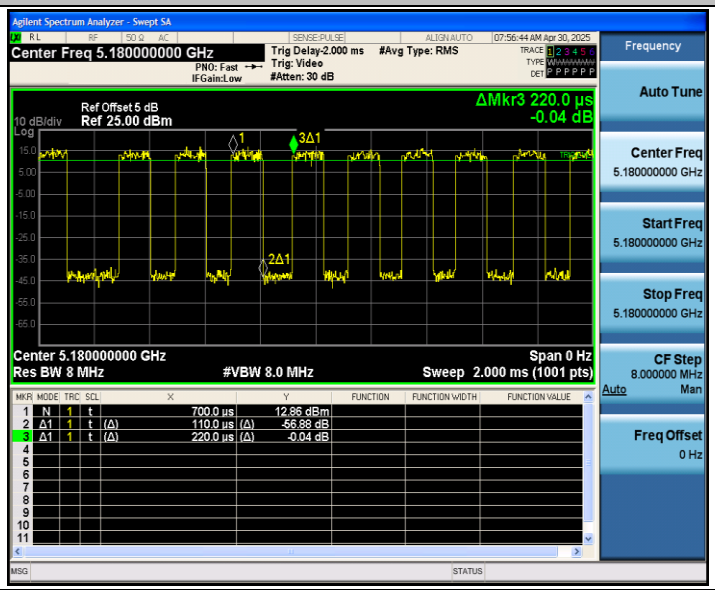
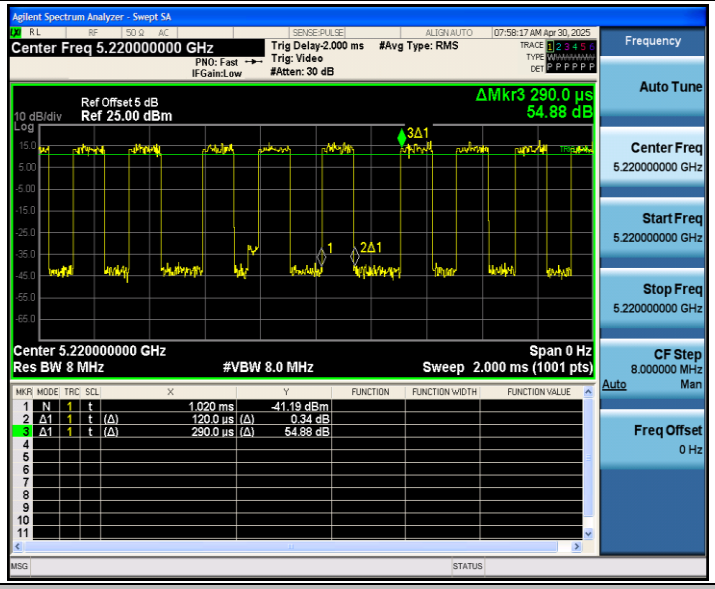

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.795000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
09:09:59 AM Apr 30, 2025
Ref Offset 5 dB
10 dB/div
Ref 20.00 dBm
ΔMkr3 35.52 MHz
-1.443 dB
Center 5.79500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80.00 MHz
Sweep 7.667 ms (1001 pts)
1 N 1 f 5.777 40 GHz -8.865 dBm
2 N 1 f 5.792 52 GHz -4.504 dBm
3 Δ1 1 f (Δ) 35.52 MHz (Δ) -1.443 dB
Frequency
Auto Tune
Center Freq
5.795000000 GHz
Start Freq
5.755000000 GHz
Stop Freq
5.835000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

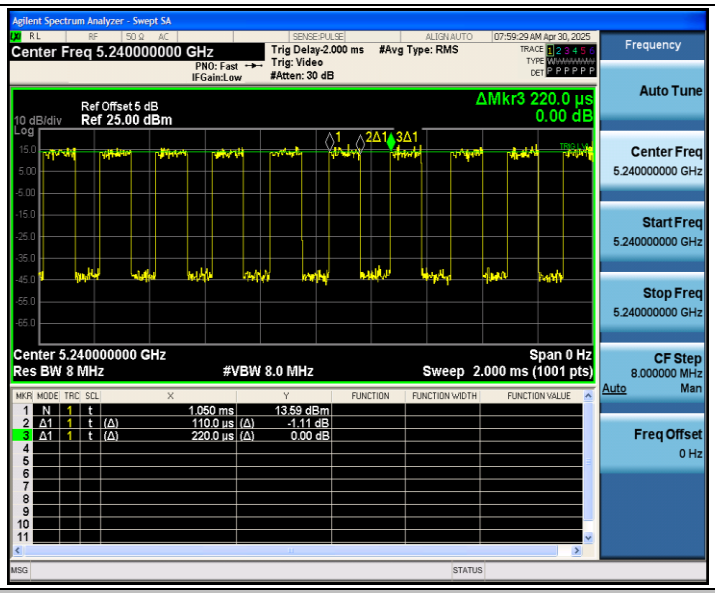
Appendix B: Duty Cycle

Test Result

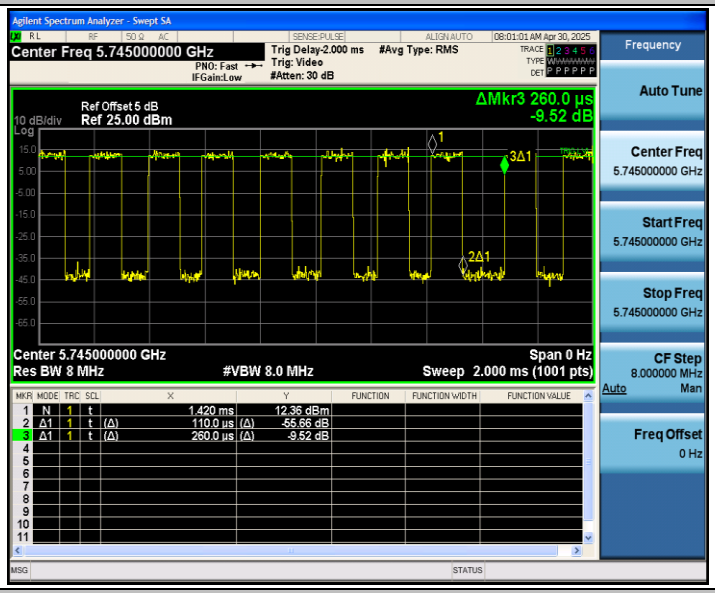
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty factor(dB)	Limit	Verdict
11A	Ant1	5180	0.11	0.22	50.00	3.01	---	---
		5220	0.12	0.29	41.38	3.83	---	---
		5240	0.11	0.22	50.00	3.01	---	---
		5745	0.11	0.26	42.31	3.74	---	---
		5785	0.11	0.27	40.74	3.90	---	---
		5825	0.11	0.23	47.83	3.20	---	---
11N20SISO	Ant1	5180	0.11	0.31	35.48	4.50	---	---
		5220	0.11	0.29	37.93	4.21	---	---
		5240	0.11	0.26	42.31	3.74	---	---
		5745	0.11	0.27	40.74	3.90	---	---
		5785	0.11	0.25	44.00	3.57	---	---
		5825	0.11	0.27	40.74	3.90	---	---
11N40SISO	Ant1	5190	0.08	0.23	34.78	4.59	---	---
		5230	0.07	0.22	31.82	4.97	---	---
		5755	0.07	0.24	29.17	5.35	---	---
		5795	0.07	0.24	29.17	5.35	---	---
11AC20SISO	Ant1	5180	0.12	0.23	52.17	2.83	---	---
		5220	0.12	0.27	44.44	3.52	---	---
		5240	0.12	0.25	48.00	3.19	---	---
		5745	0.12	0.31	38.71	4.12	---	---
		5785	0.12	0.23	52.17	2.83	---	---
		5825	0.12	0.28	42.86	3.68	---	---
11AC40SISO	Ant1	5190	0.08	0.24	33.33	4.77	---	---
		5230	0.08	0.29	27.59	5.59	---	---
		5755	0.08	0.25	32.00	4.95	---	---
		5795	0.08	0.29	27.59	5.59	---	---
11AX20SISO	Ant1	5180	0.12	0.28	42.86	3.68	---	---
		5220	0.12	0.31	38.71	4.12	---	---
		5240	0.11	0.28	39.29	4.06	---	---
		5745	0.12	0.32	37.50	4.26	---	---
		5785	0.12	0.31	38.71	4.12	---	---
		5825	0.12	0.22	54.55	2.63	---	---
11AX40SISO	Ant1	5190	0.08	0.22	36.36	4.39	---	---
		5230	0.08	0.24	33.33	4.77	---	---
		5755	0.08	0.25	32.00	4.95	---	---
		5795	0.08	0.22	36.36	4.39	---	---

Test Graphs

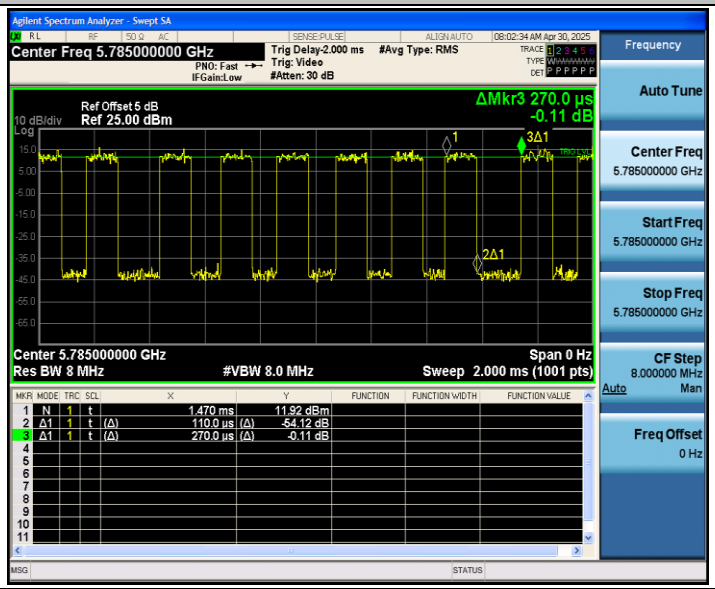
11A_Ant1_5180

11A_Ant1_5220

11A_Ant1_5240

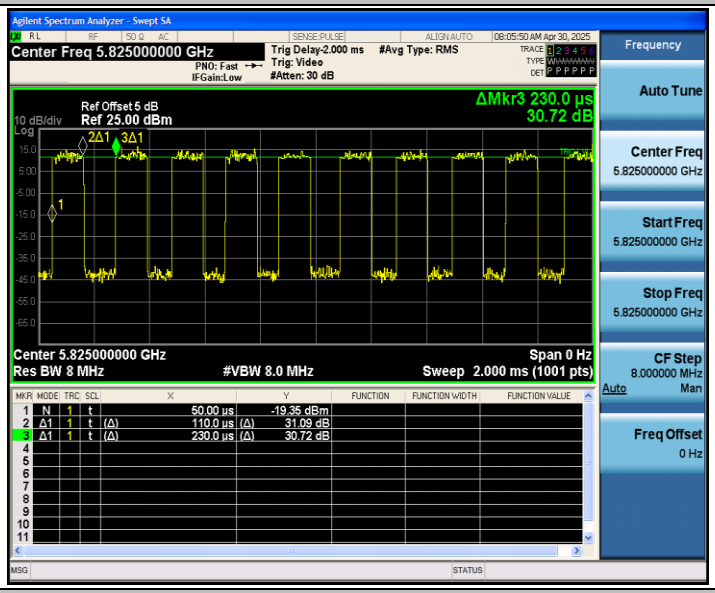
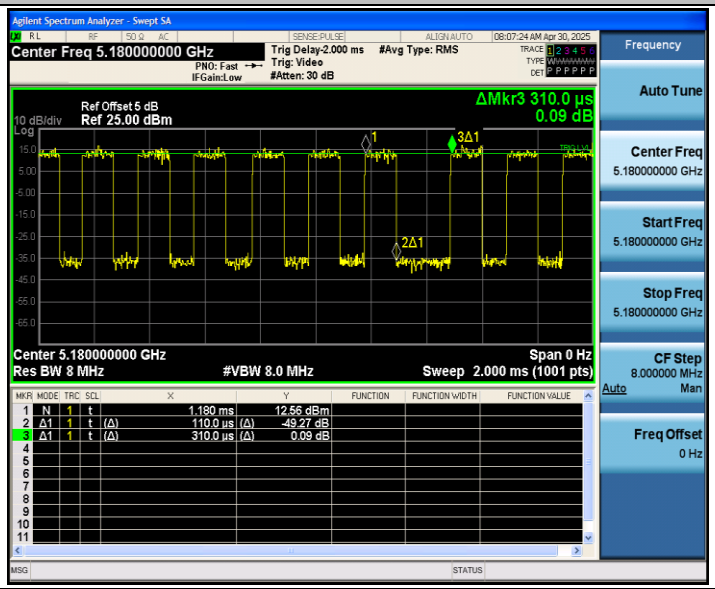


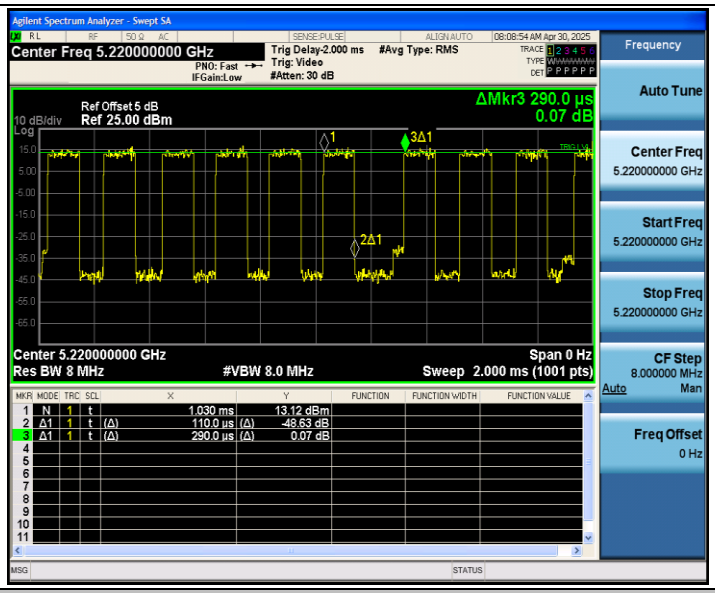
11A_Ant1_5745



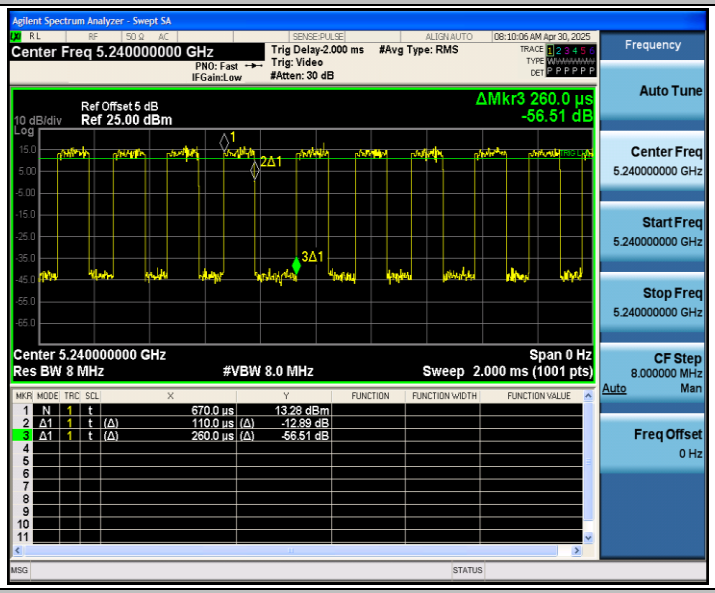
11A_Ant1_5785



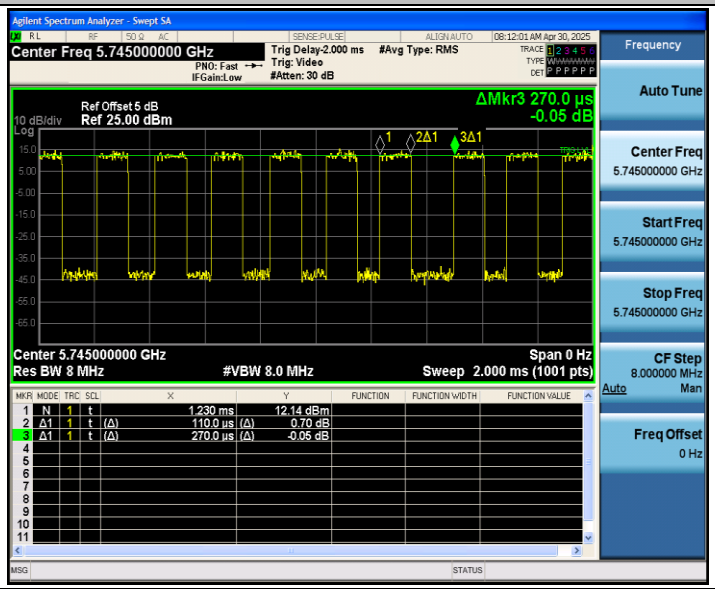
11A_Ant1_5825

11N20SISO_Ant1_5180

11N20SISO_Ant1_5220

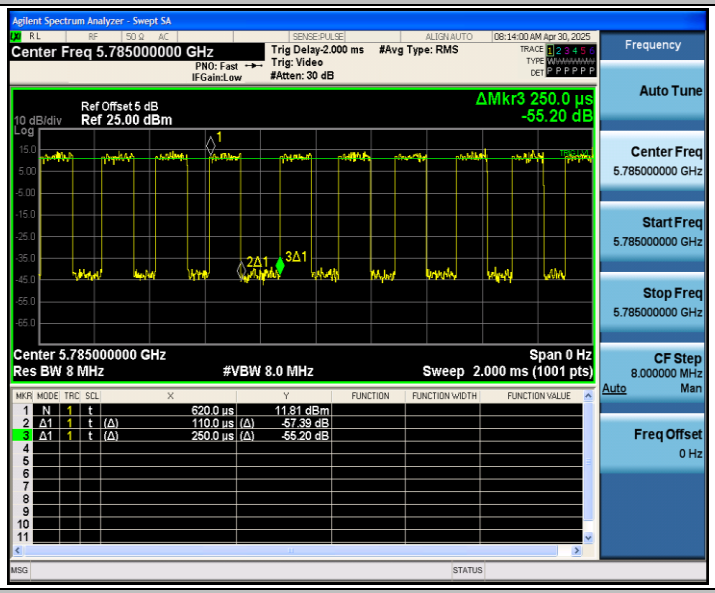
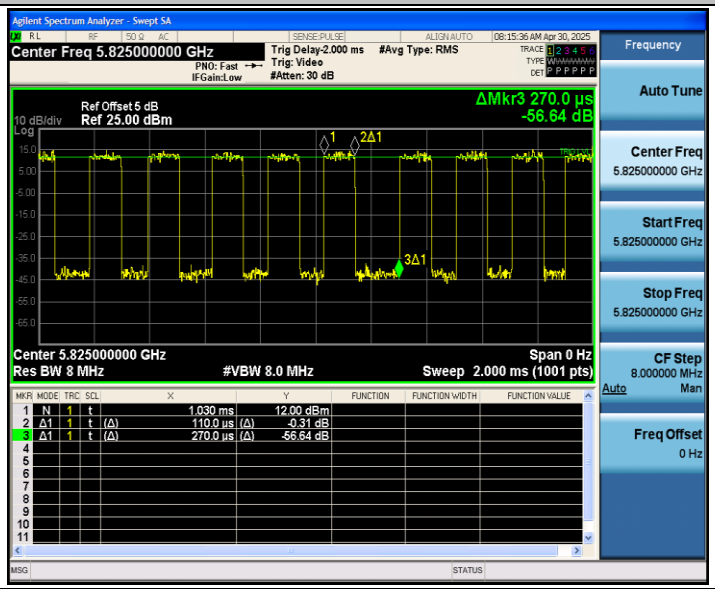


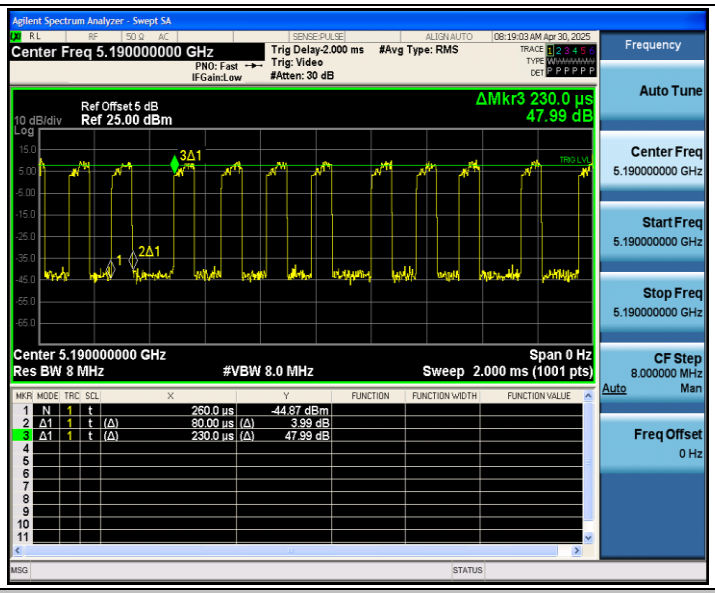
11N20SISO_Ant1_5240



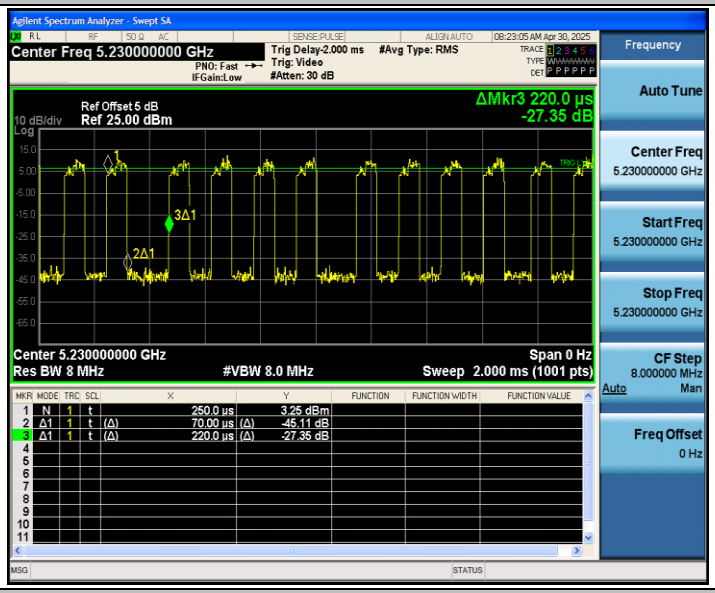
11N20SISO_Ant1_5745



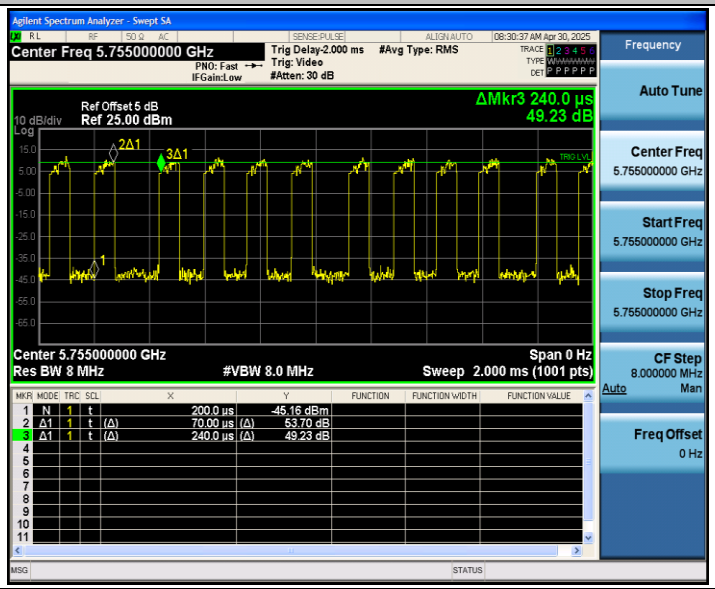
11N20SISO_Ant1_5785

11N20SISO_Ant1_5825

11N40SISO_Ant1_5190

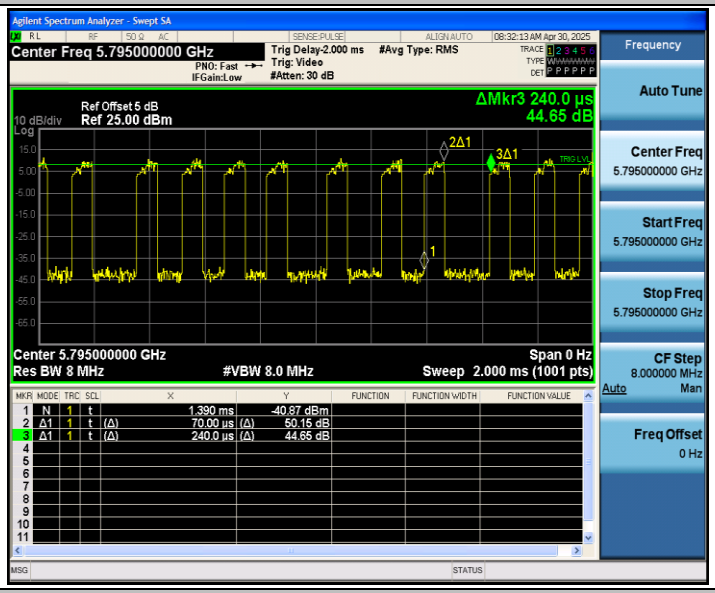
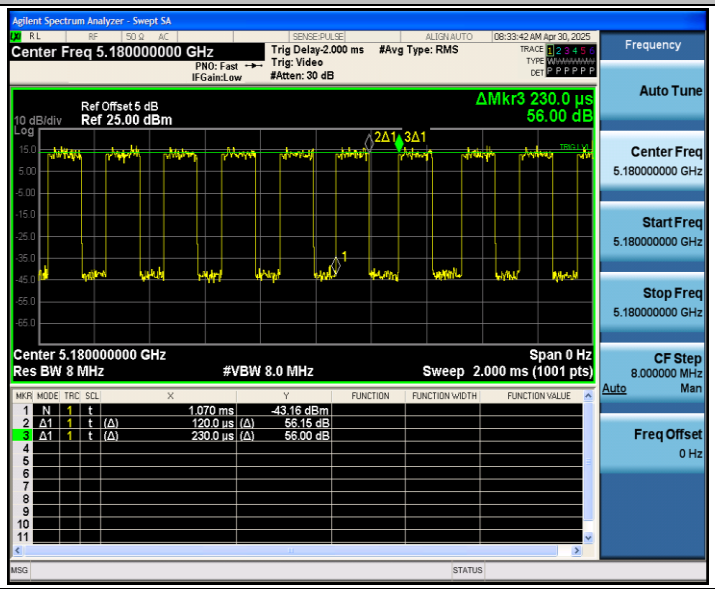


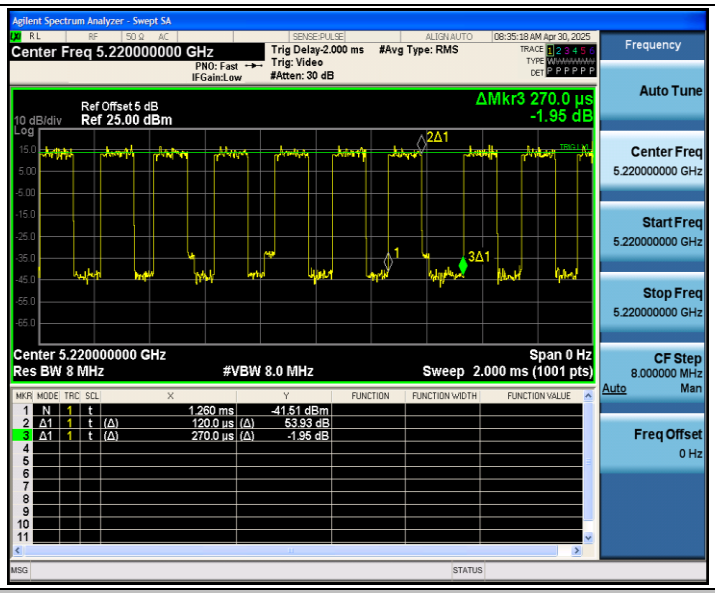
11N40SISO_Ant1_5230



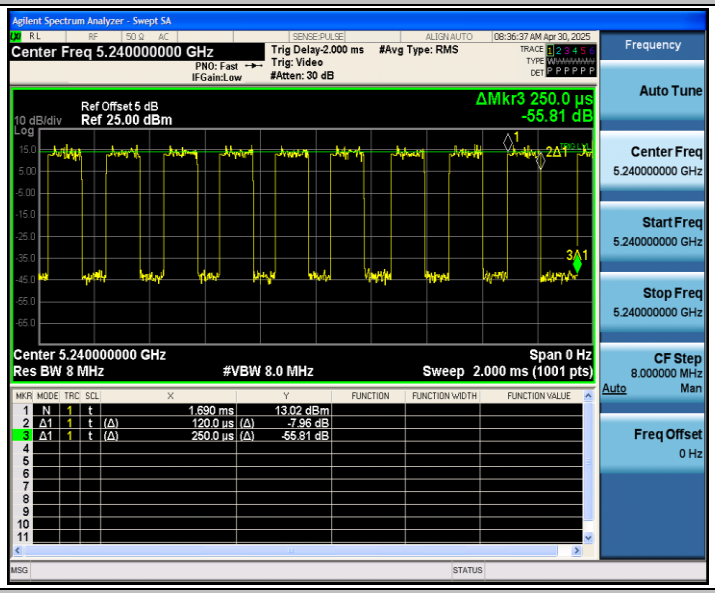
11N40SISO_Ant1_5755



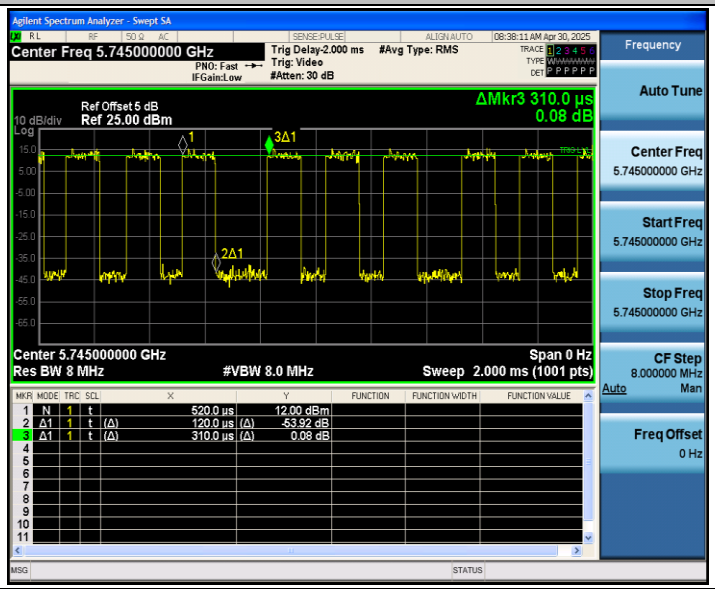
11N40SISO_Ant1_5795

11AC20SISO_Ant1_5180

11AC20SISO_Ant1_5220

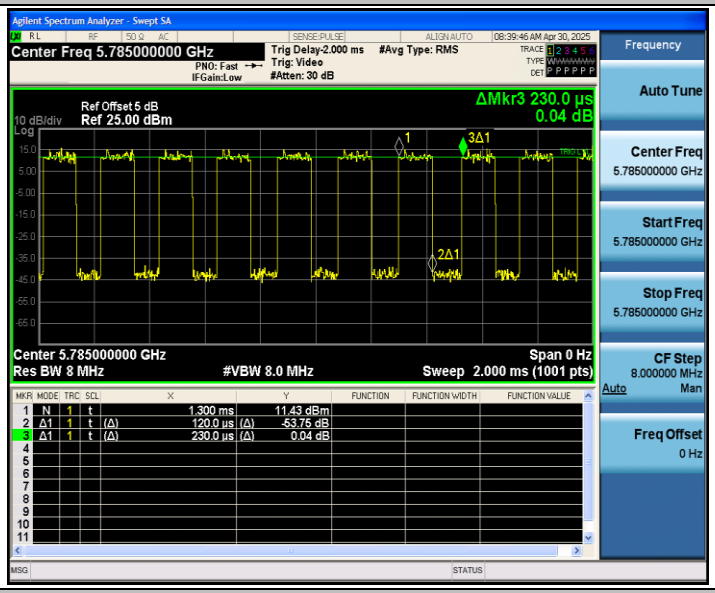
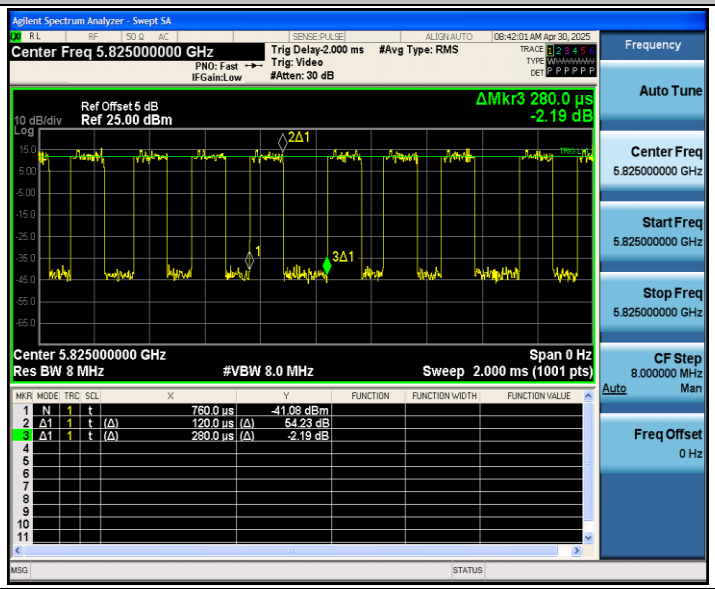


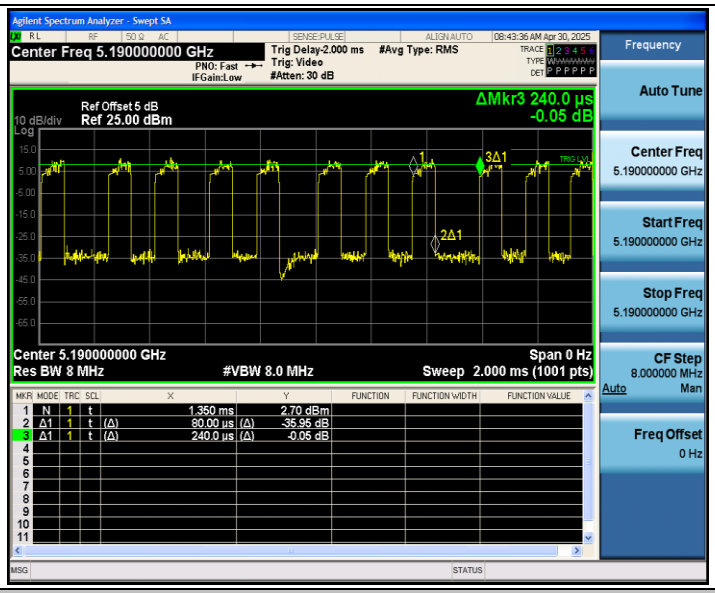
11AC20SISO_Ant1_5240



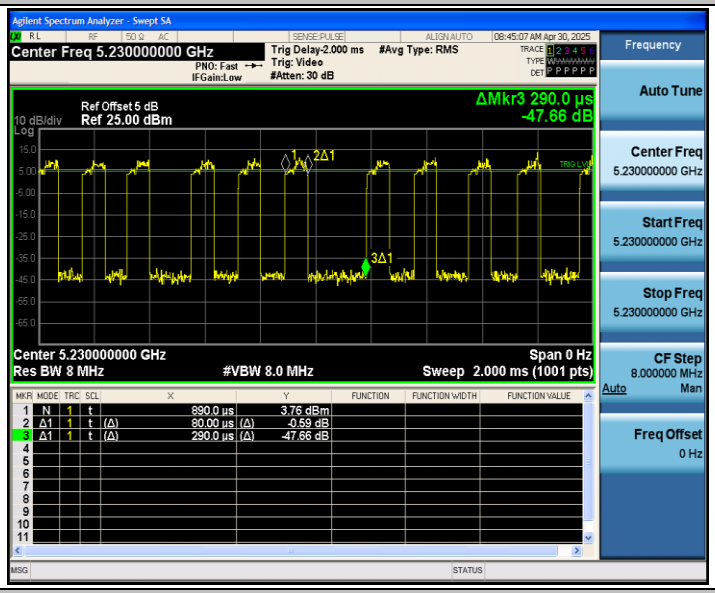
11AC20SISO_Ant1_5745



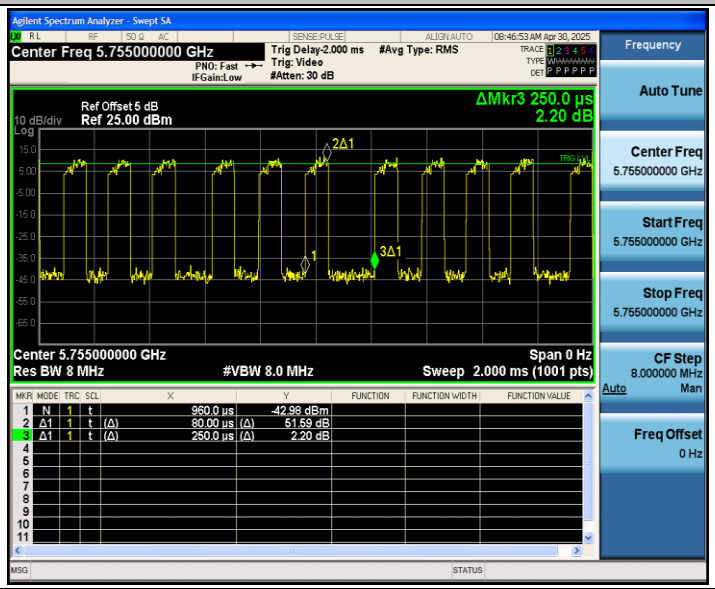
11AC20SISO_Ant1_5785

11AC20SISO_Ant1_5825

11AC40SISO_Ant1_5190

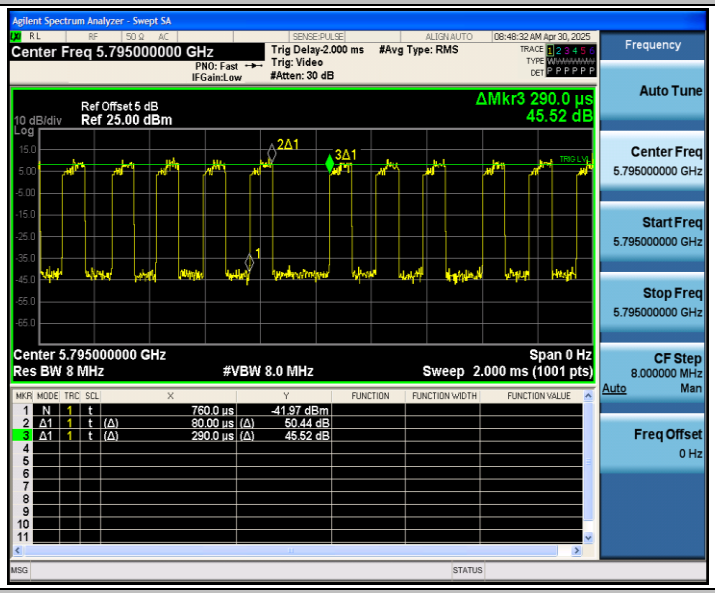
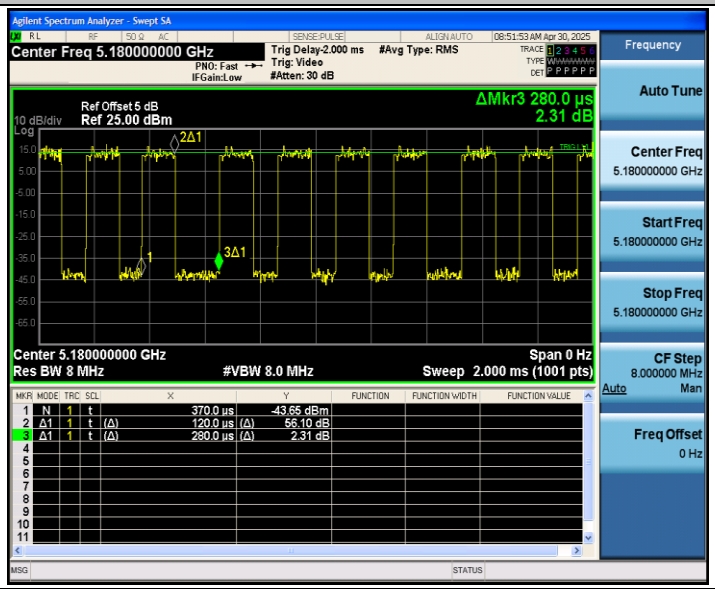


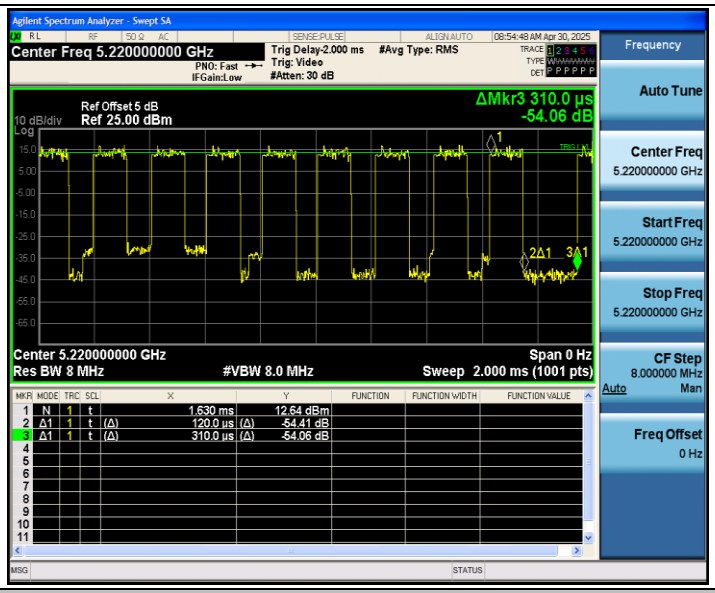
11AC40SISO_Ant1_5230



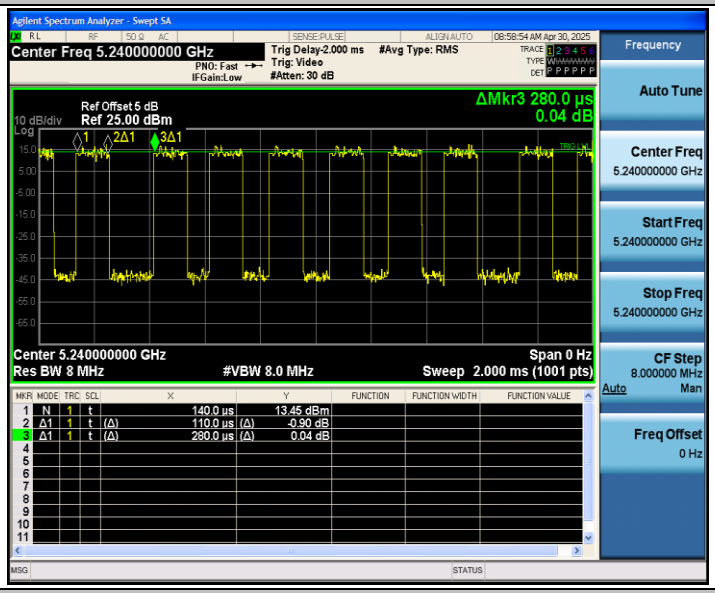
11AC40SISO_Ant1_5755



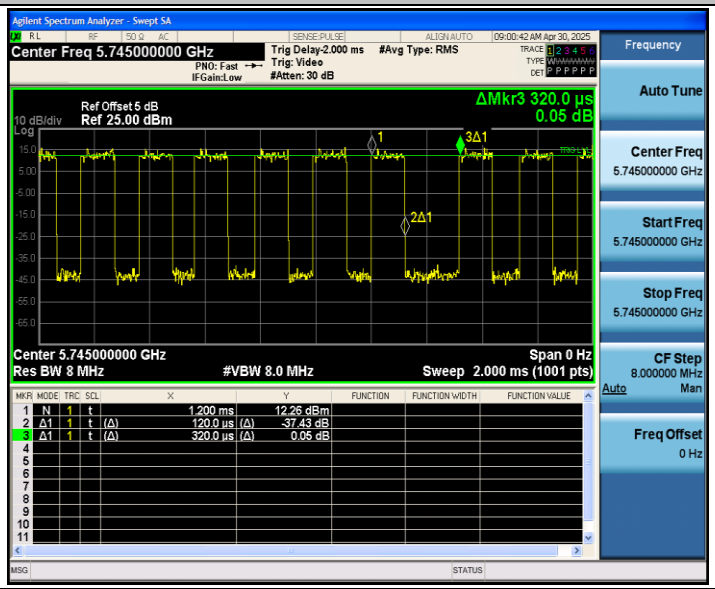
11AC40SISO_Ant1_5795

11AX20SISO_Ant1_5180

11AX20SISO_Ant1_5220

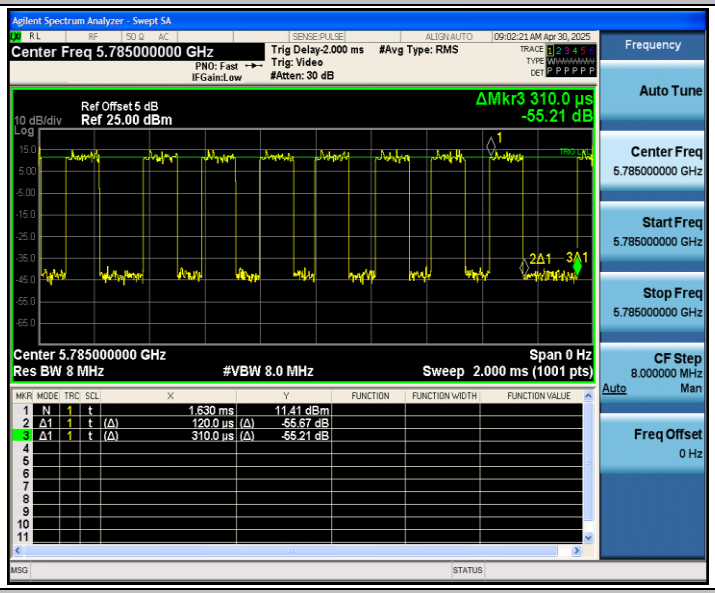
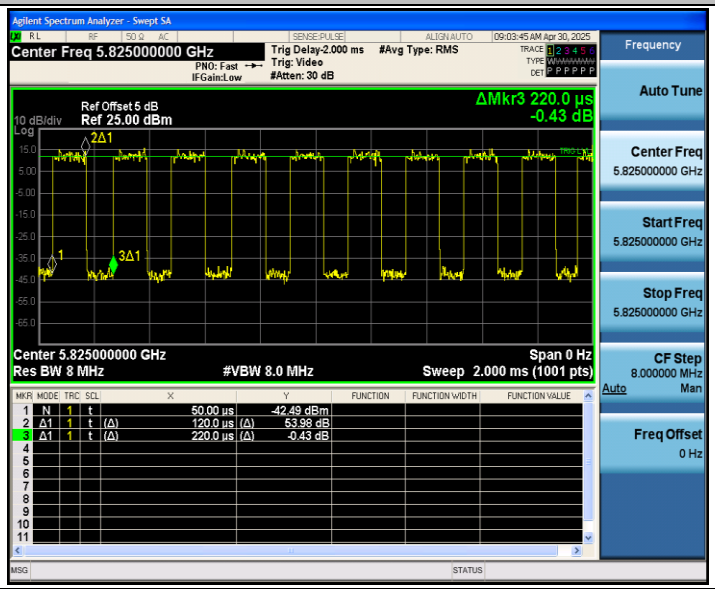


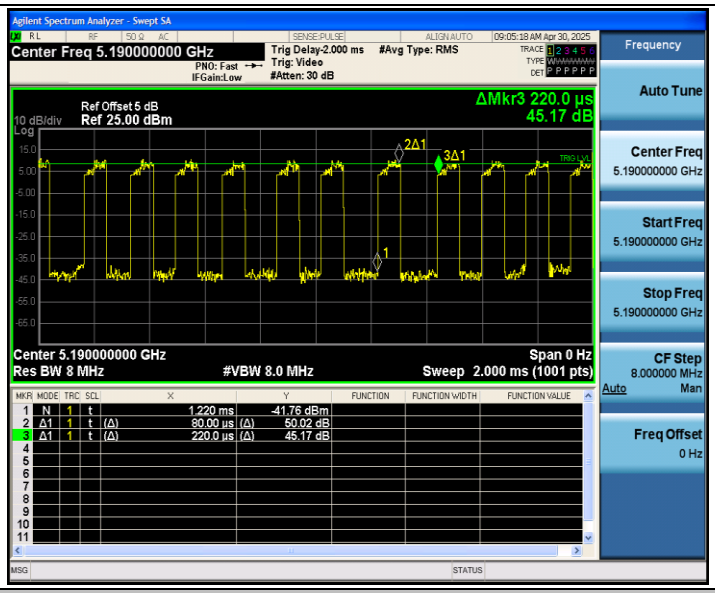
11AX20SISO_Ant1_5240



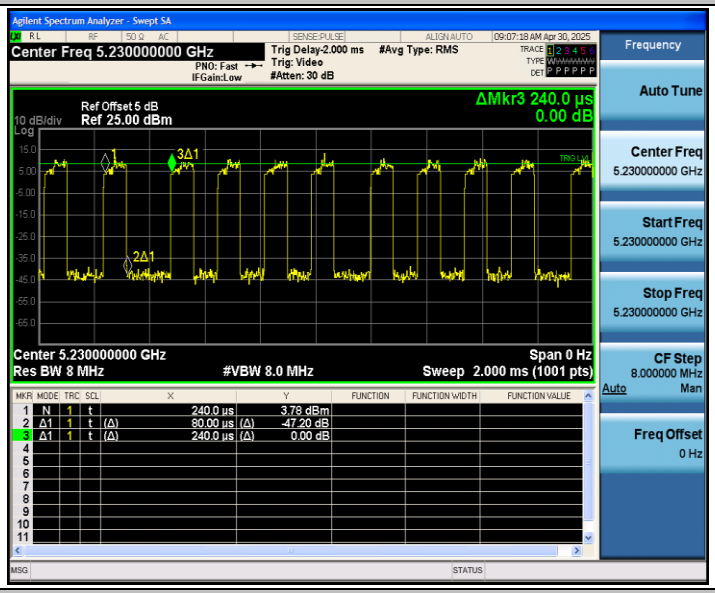
11AX20SISO_Ant1_5745



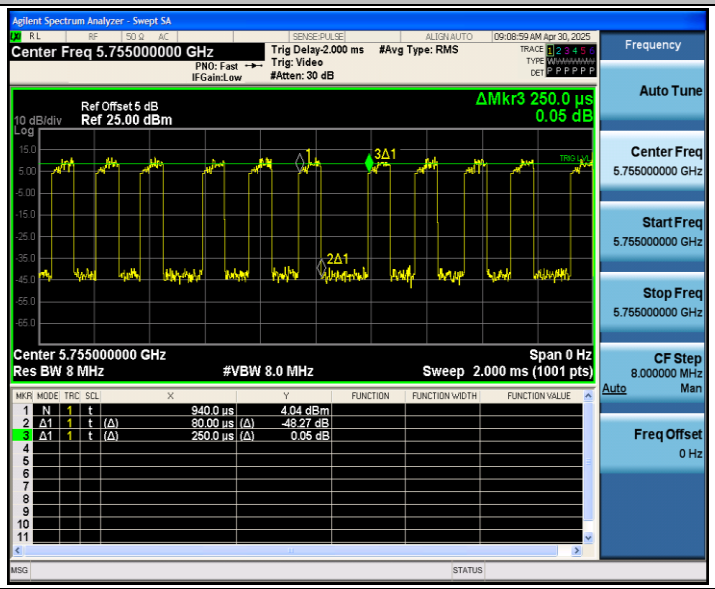
11AX20SISO_Ant1_5785

11AX20SISO_Ant1_5825

11AX40SISO_Ant1_5190

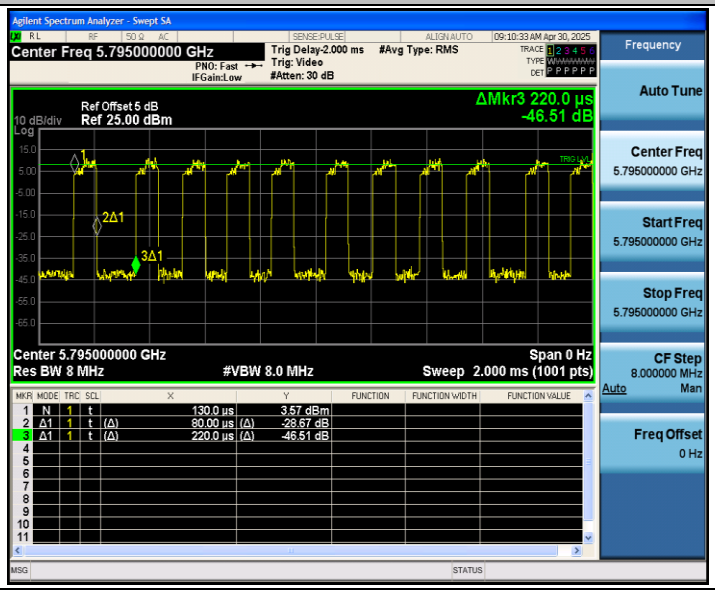


11AX40SISO_Ant1_5230



11AX40SISO_Ant1_5755



11AX40SISO_Ant1_5795


Appendix C: Maximum conducted output power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	8.37	3.01	11.38	≤23.98	PASS
		5220	8.69	3.83	12.52	≤23.98	PASS
		5240	8.89	3.01	11.90	≤23.98	PASS
		5745	7.63	3.74	11.37	≤30.00	PASS
		5785	6.96	3.90	10.86	≤30.00	PASS
		5825	7.17	3.20	10.37	≤30.00	PASS
11N20SISO	Ant1	5180	8.35	4.50	12.85	≤23.98	PASS
		5220	8.62	4.21	12.83	≤23.98	PASS
		5240	8.91	3.74	12.65	≤23.98	PASS
		5745	7.66	3.90	11.56	≤30.00	PASS
		5785	7.05	3.57	10.62	≤30.00	PASS
		5825	7.15	3.90	11.05	≤30.00	PASS
11N40SISO	Ant1	5190	5.68	4.59	10.27	≤23.98	PASS
		5230	6.11	4.97	11.08	≤23.98	PASS
		5755	5.98	5.35	11.33	≤30.00	PASS
		5795	5.57	5.35	10.92	≤30.00	PASS
11AC20SISO	Ant1	5180	8.61	2.83	11.44	≤23.98	PASS
		5220	8.71	3.52	12.23	≤23.98	PASS
		5240	9.01	3.19	12.20	≤23.98	PASS
		5745	7.90	4.12	12.02	≤30.00	PASS
		5785	7.22	2.83	10.05	≤30.00	PASS
		5825	7.36	3.68	11.04	≤30.00	PASS
11AC40SISO	Ant1	5190	5.89	4.77	10.66	≤23.98	PASS
		5230	6.31	5.59	11.90	≤23.98	PASS
		5755	6.12	4.95	11.07	≤30.00	PASS
		5795	5.65	5.59	11.24	≤30.00	PASS
11AX20SISO	Ant1	5180	8.67	3.68	12.35	≤23.98	PASS
		5220	8.87	4.12	12.99	≤23.98	PASS
		5240	9.15	4.06	13.21	≤23.98	PASS
		5745	7.79	4.26	12.05	≤30.00	PASS
		5785	7.26	4.12	11.38	≤30.00	PASS
		5825	7.45	2.63	10.08	≤30.00	PASS
11AX40SISO	Ant1	5190	6.14	4.39	10.53	≤23.98	PASS
		5230	6.33	4.77	11.10	≤23.98	PASS
		5755	6.20	4.95	11.15	≤30.00	PASS
		5795	5.76	4.39	10.15	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/1MHz] For 5.2G / Result [dBm/300KHz] For 5.8G	RBW Factor (dB)	Duty factor (dB)	Result [dBm/MHz] For 5.2G / Result [dBm/500kHz] For 5.8G	Limit[dBm/MHz] For 5.2G / Limit[dBm/MHz] For 5.8G	Verdict
11A	Ant1	5180	-2.255	/	3.01	0.75	≤11.00	PASS
		5220	-1.993	/	3.83	1.84	≤11.00	PASS
		5240	-1.589	/	3.01	1.42	≤11.00	PASS
		5745	-7.035	2.22	3.74	-1.08	≤30.00	PASS
		5785	-8.000	2.22	3.90	-1.88	≤30.00	PASS
		5825	-8.103	2.22	3.20	-2.68	≤30.00	PASS
11N20SISO	Ant1	5180	-2.512	/	4.50	1.99	≤11.00	PASS
		5220	-1.804	/	4.21	2.41	≤11.00	PASS
		5240	-2.039	/	3.74	1.70	≤11.00	PASS
		5745	-7.300	2.22	3.90	-1.18	≤30.00	PASS
		5785	-8.355	2.22	3.57	-2.57	≤30.00	PASS
		5825	7.650	2.22	3.90	-1.53	≤30.00	PASS
11N40SISO	Ant1	5190	-7.501	/	4.59	-2.91	≤11.00	PASS
		5230	-6.975	/	4.97	-2.01	≤11.00	PASS
		5755	-11.167	2.22	5.35	-3.60	≤30.00	PASS
		5795	-11.657	2.22	5.35	-4.09	≤30.00	PASS
11AC20SISO	Ant1	5180	-1.878	/	2.83	0.95	≤11.00	PASS

		5220	-2.242	/	3.52	1.28	≤11.00	PASS
		5240	-1.820	/	3.19	1.37	≤11.00	PASS
		5745	-7.675	2.22	4.12	-1.34	≤30.00	PASS
		5785	-7.609	2.22	2.83	-2.56	≤30.00	PASS
		5825	-8.022	2.22	3.68	-2.12	≤30.00	PASS
11AC40SISO	Ant1	5190	-7.547	/	4.77	-2.78	≤11.00	PASS
		5230	-7.143	/	5.59	-1.55	≤11.00	PASS
		5755	-11.739	2.22	4.95	-4.57	≤30.00	PASS
		5795	-11.374	2.22	5.59	-3.56	≤30.00	PASS
11AX20SISO	Ant1	5180	-1.523	/	3.68	2.16	≤11.00	PASS
		5220	-2.020	/	4.12	2.10	≤11.00	PASS
		5240	-1.706	/	4.06	2.35	≤11.00	PASS
		5745	-7.505	2.22	4.26	-1.03	≤30.00	PASS
		5785	-7.739	2.22	4.12	-1.40	≤30.00	PASS
		5825	-7.789	2.22	2.63	-2.94	≤30.00	PASS
11AX40SISO	Ant1	5190	-6.698	/	4.39	-2.31	≤11.00	PASS
		5230	-7.009	/	4.77	-2.24	≤11.00	PASS
		5755	-10.752	2.22	4.95	-3.58	≤30.00	PASS
		5795	-11.652	2.22	4.39	-5.04	≤30.00	PASS

Note：1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

P.S.D(dBm/500KHz)= P.S.D(dBm/300KHz)+10 log (500 kHz/300KHz).

2. RBW factor= 10 log (500 KHz /300 KHz) = 2.22 dB