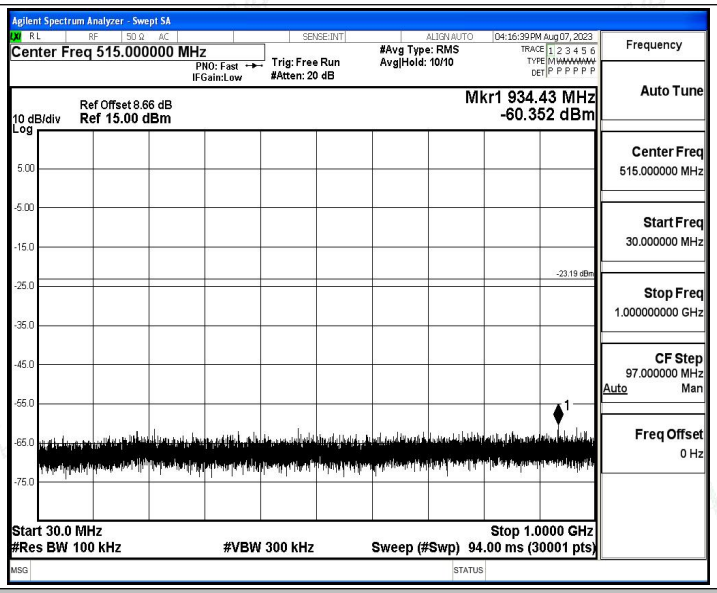
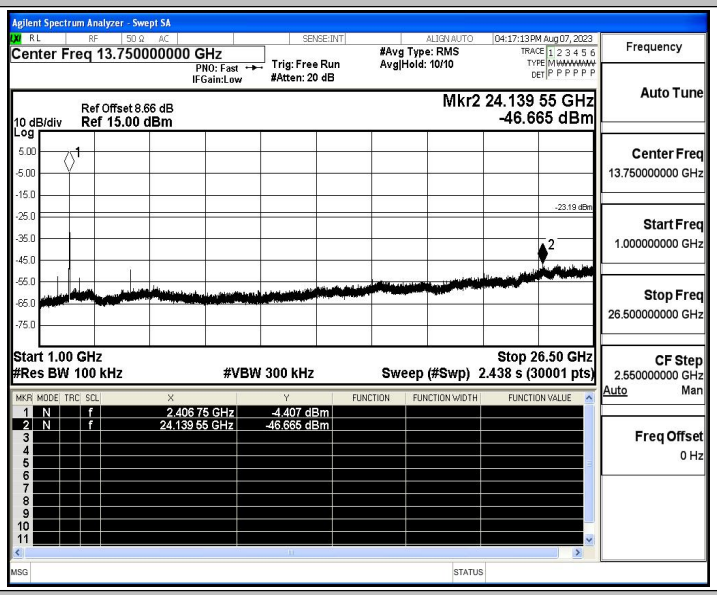
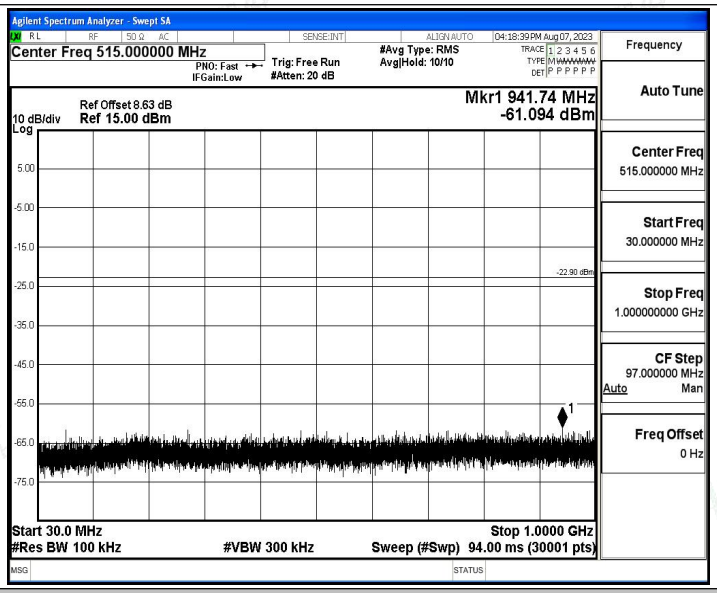


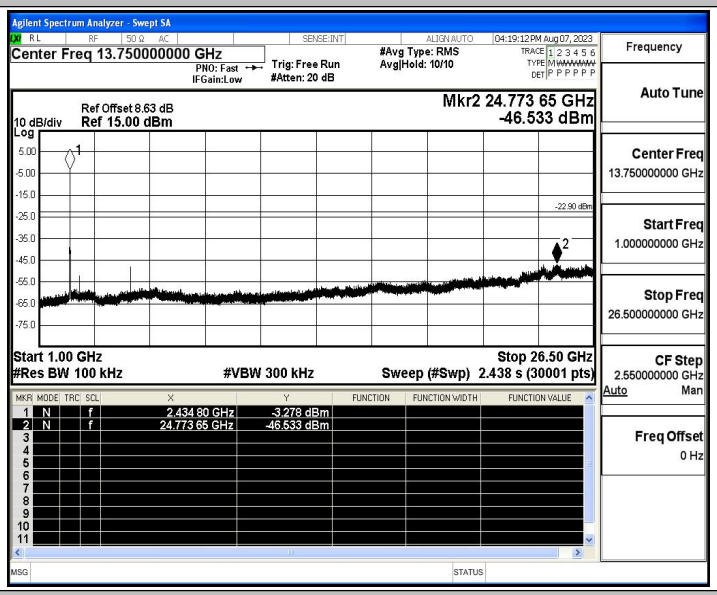
11G_Ant1_2412_1000~26500



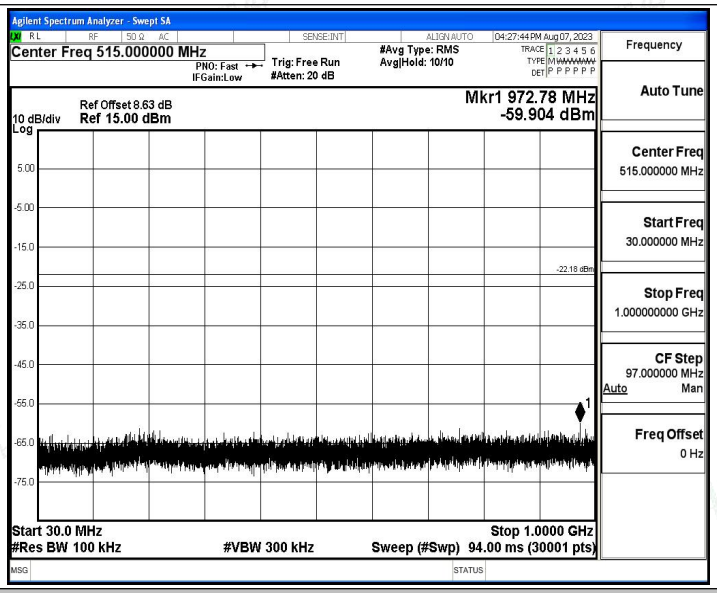
11G_Ant1_2437_30~1000



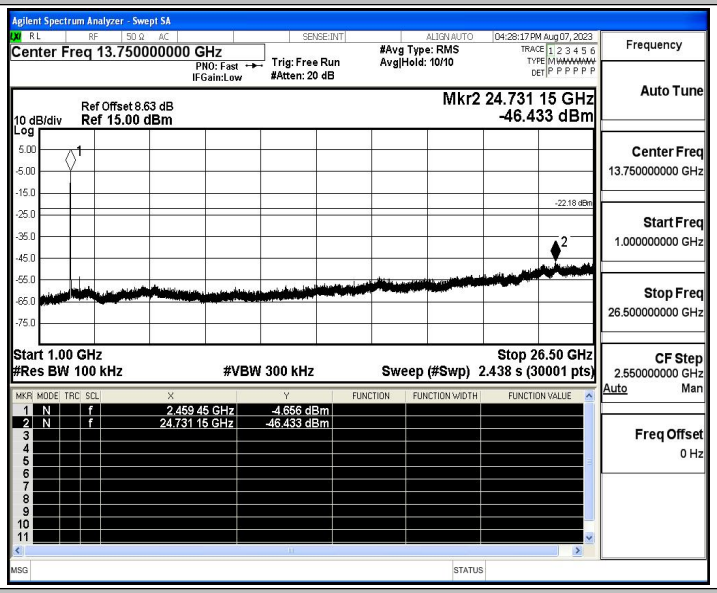
11G_Ant1_2437_1000~26500



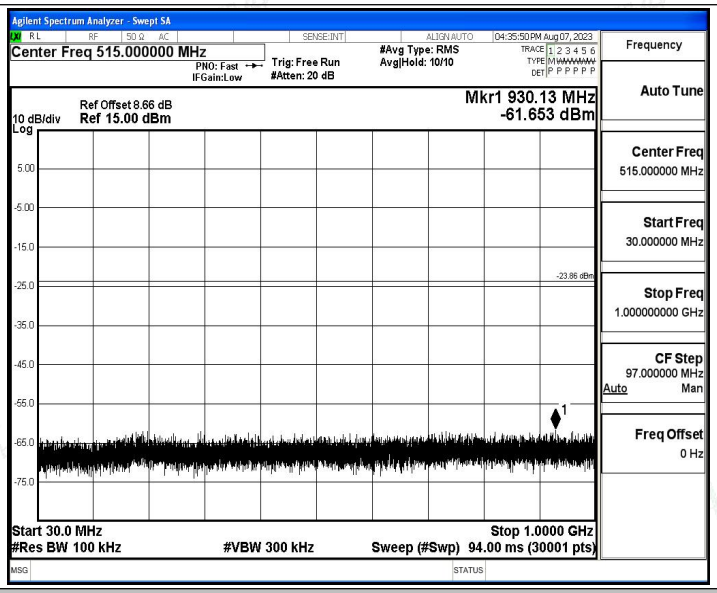
11G_Ant1_2462_30~1000



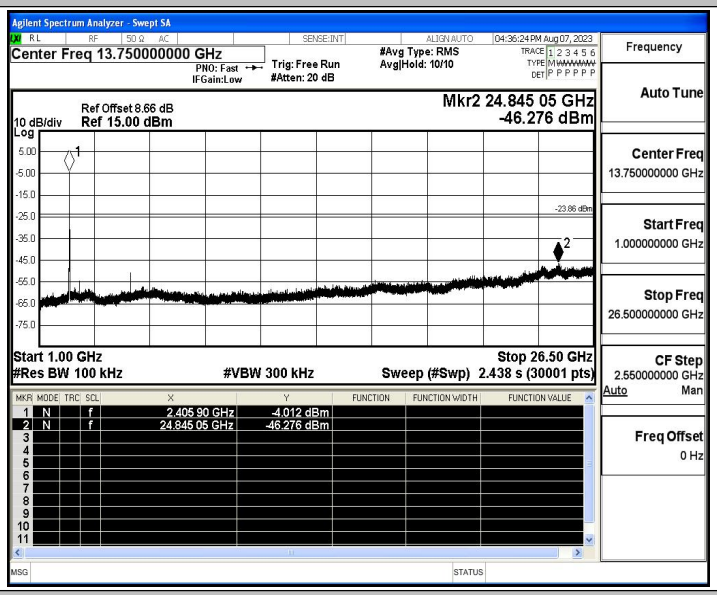
11G_Ant1_2462_1000~26500



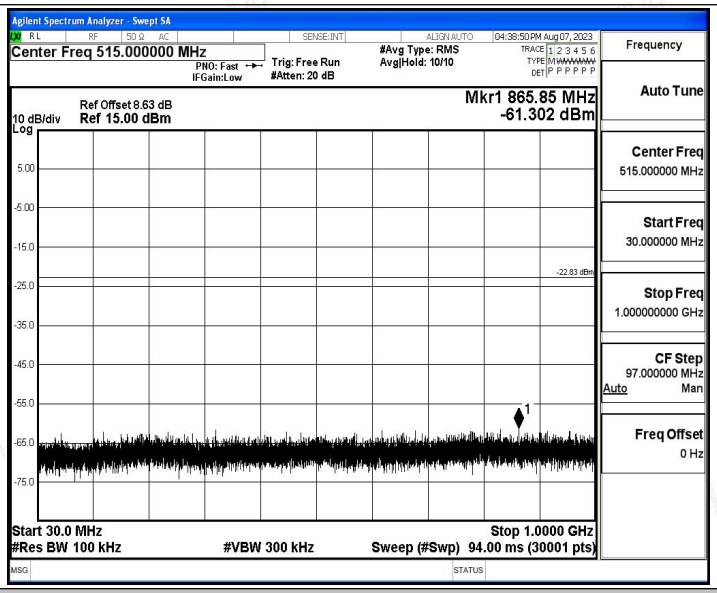
11N20SISO_Ant1_2412_30~1000



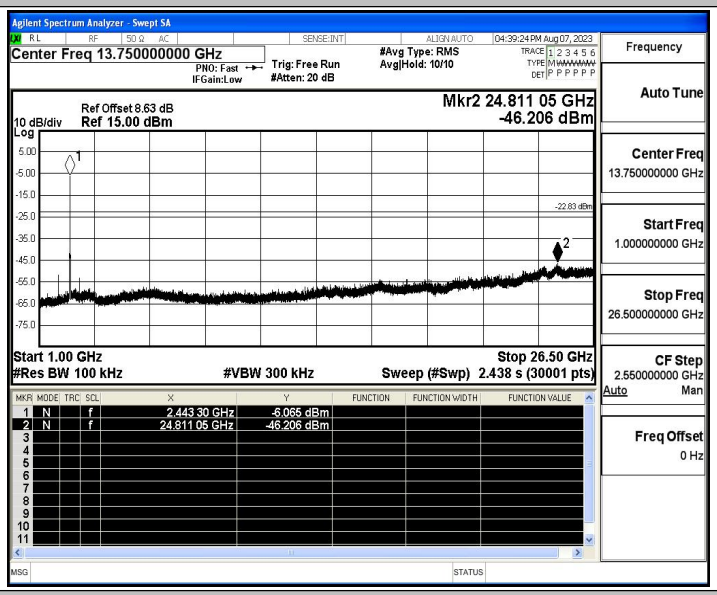
11N20SISO_Ant1_2412_1000~26500



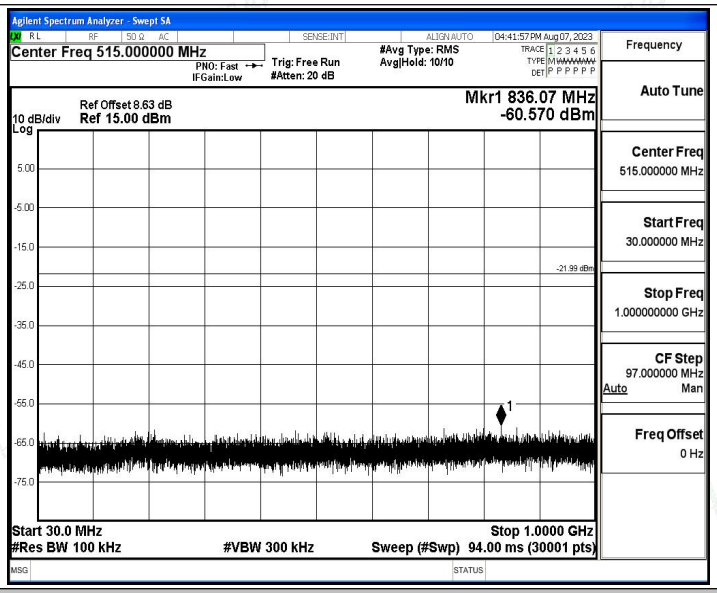
11N20SISO_Ant1_2437_30~1000



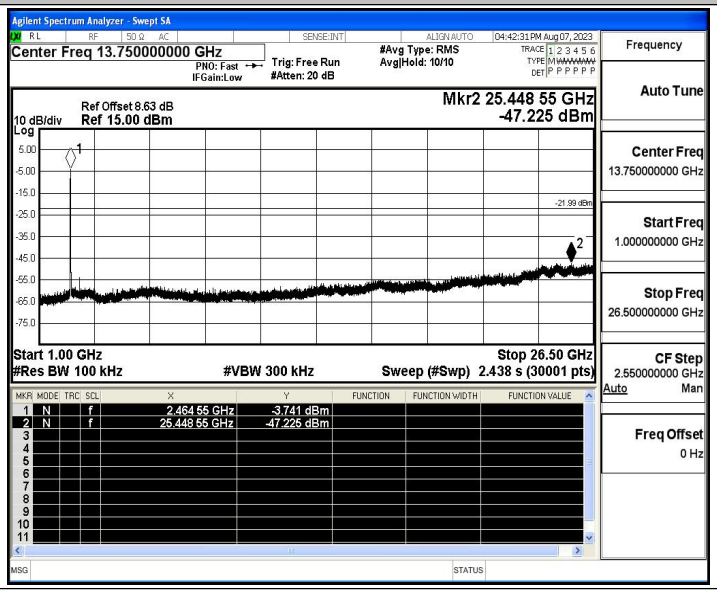
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500



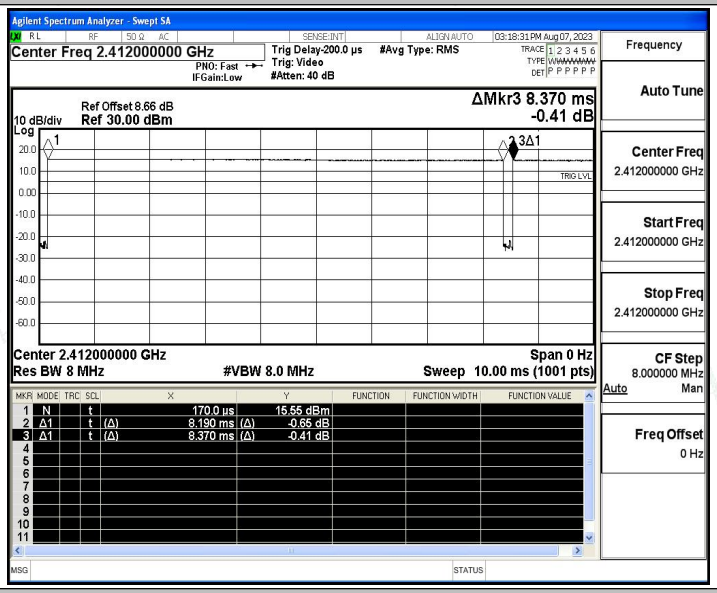
A.6 Duty Cycle

Test Result

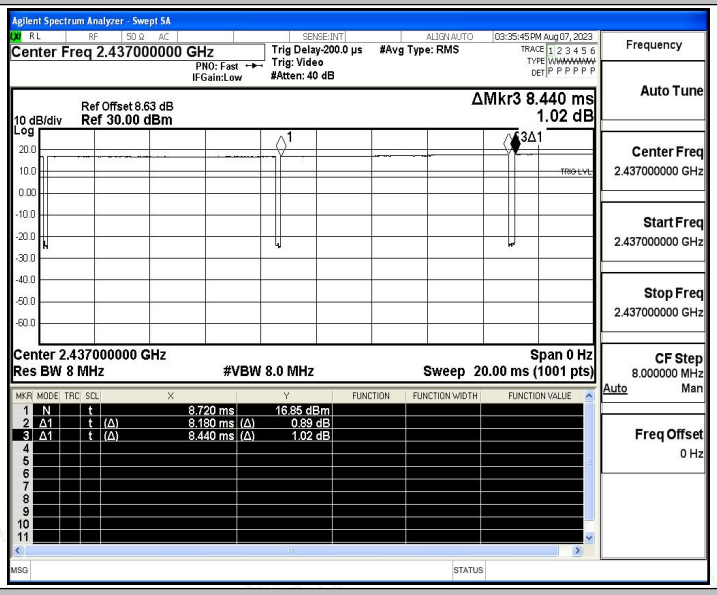
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor	Verdict	1/T
11B	Ant1	2412	8.19	8.37	97.85	0.09	---	0.12
		2437	8.18	8.44	96.92	0.14	---	0.12
		2462	8.18	8.42	97.15	0.13	---	0.12
11G	Ant1	2412	1.36	1.53	88.89	0.51	---	0.74
		2437	1.36	1.54	88.31	0.54	---	0.74
		2462	1.36	1.55	87.74	0.57	---	0.74
11N20SISO	Ant1	2412	1.15	1.32	87.12	0.60	---	0.87
		2437	1.15	1.35	85.19	0.70	---	0.87
		2462	1.15	1.19	96.64	0.15	---	0.87

Test Graphs

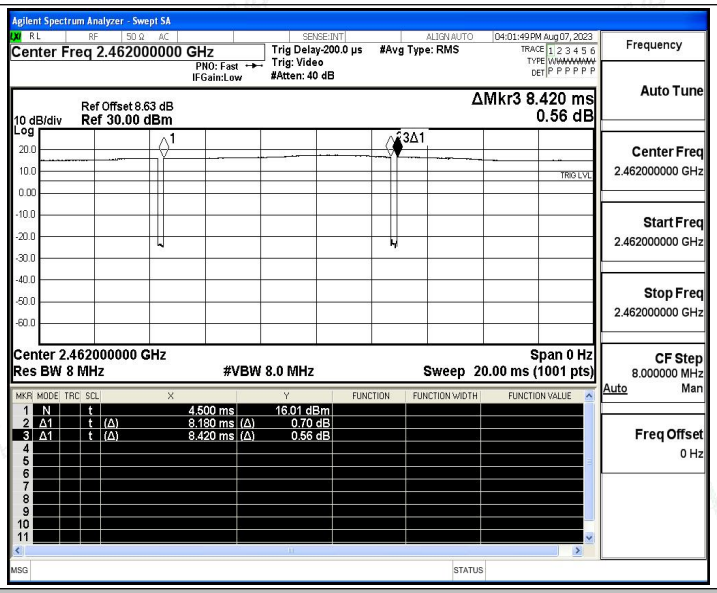
11B_Ant1_2412



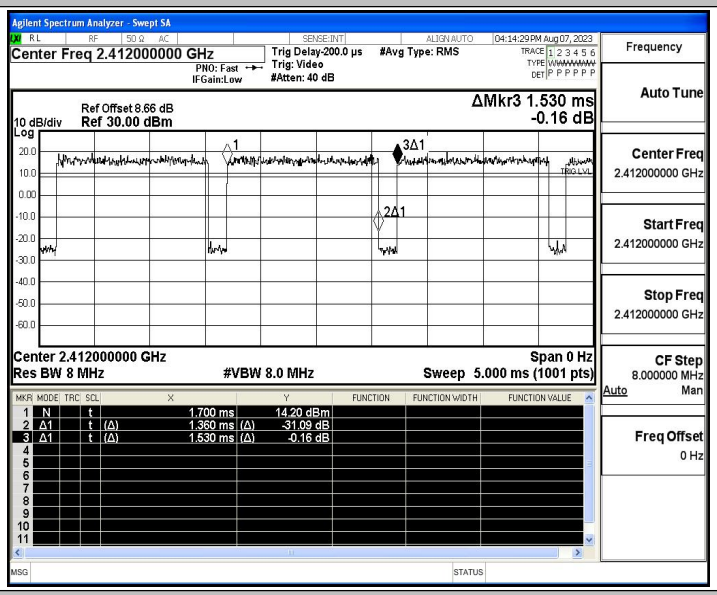
11B_Ant1_2437



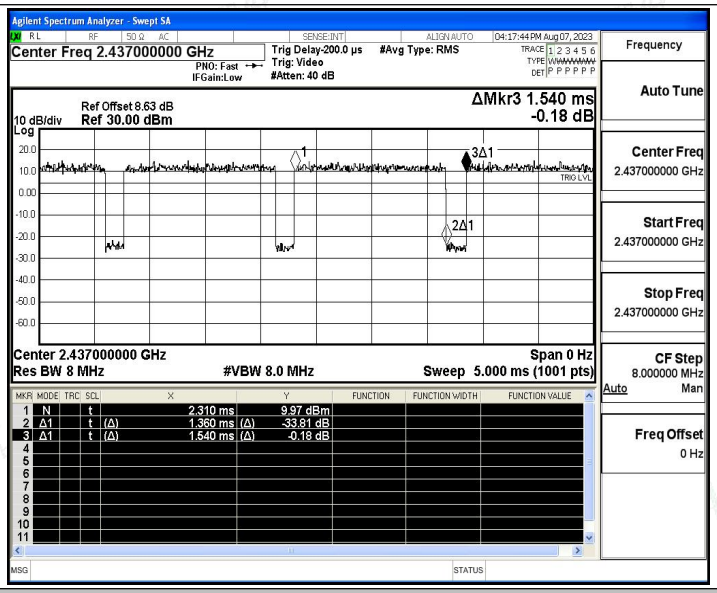
11B_Ant1_2462



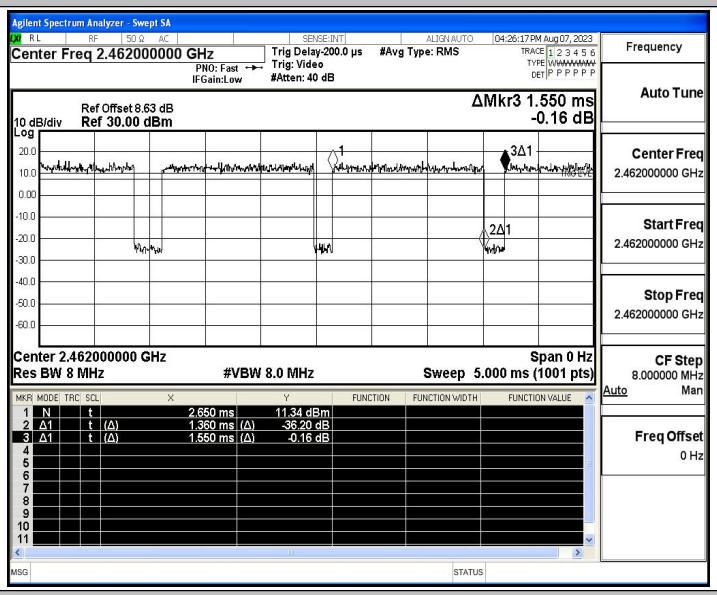
11G_Ant1_2412



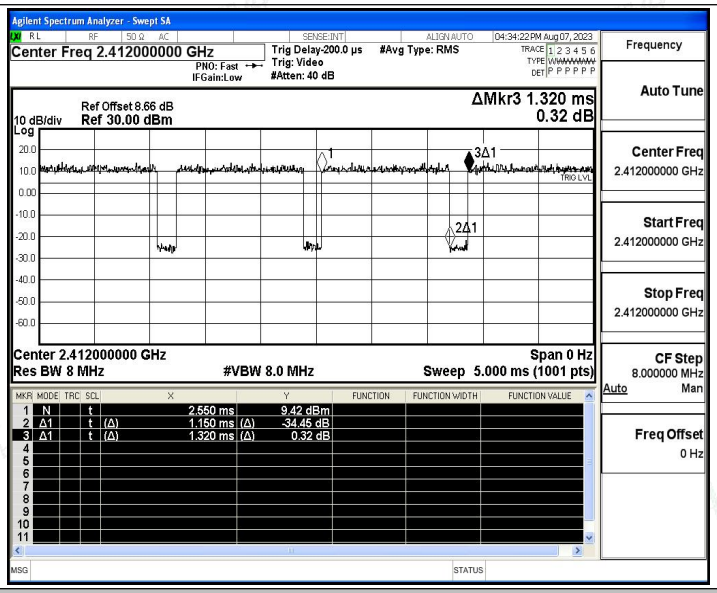
11G_Ant1_2437



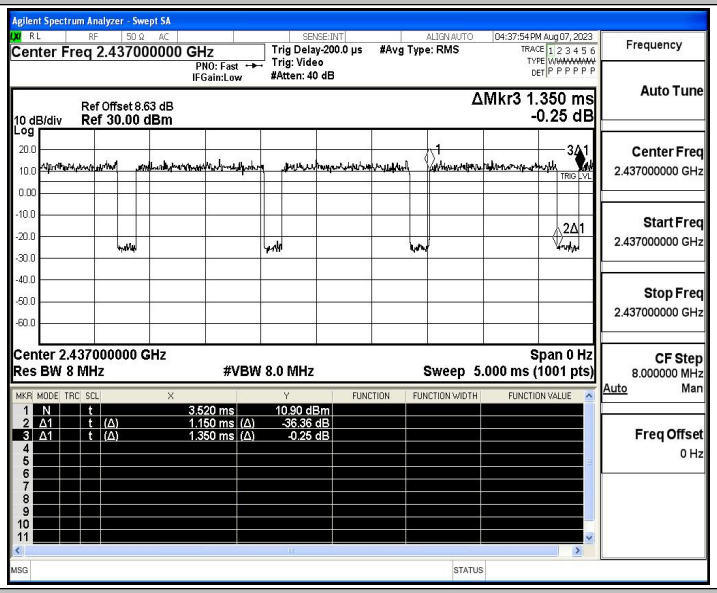
11G_Ant1_2462



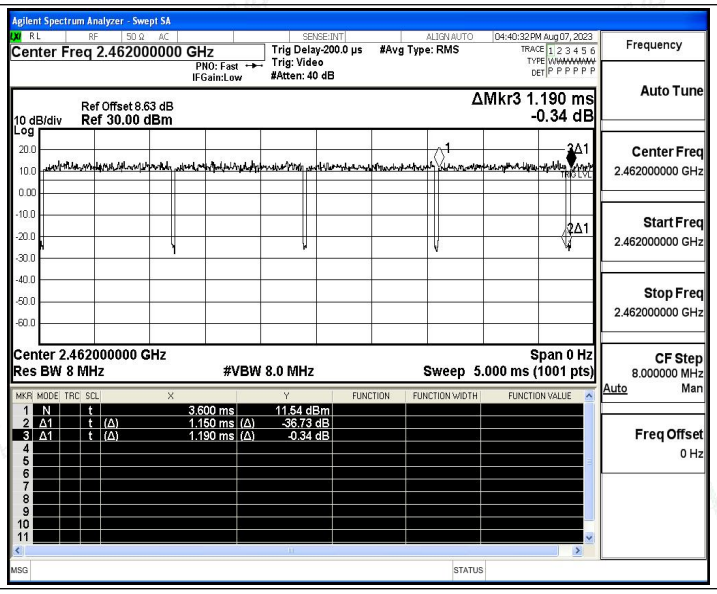
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.462000000 GHz
Trig Delay-200.0 µs
#Avg Type: RMS
PNO: Fast
IFGain:Low
Trig: Video
#Atten: 40 dB
04:40:32 PM Aug 07, 2023
Ref Offset 8.63 dB
10 dB/div Ref 30.00 dBm
Log
ΔMkr3 1.190 ms
-0.34 dB
Center 2.462000000 GHz
Res BW 8 MHz
#VBW 8.0 MHz
Span 0 Hz
Sweep 5.000 ms (1001 pts)
1 N t 3.600 ms 11.54 dBm
2 Δ1 t (Δ) 1.150 ms (Δ) -36.73 dB
3 Δ1 t (Δ) 1.190 ms (Δ) -0.34 dB
Frequency
Auto Tune
Center Freq 2.462000000 GHz
Start Freq 2.462000000 GHz
Stop Freq 2.462000000 GHz
CF Step 8.000000 MHz
Auto Man
Freq Offset 0 Hz

A.7 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Freq (MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-48.26	≤-41.20	46.94	≤54	PASS
				AV	2389.180	-45.83	≤-41.20	49.37	≤54	PASS
				AV	2390.000	-46.51	≤-41.20	48.69	≤54	PASS
				Peak	2310.000	-43.17	≤-21.20	52.03	≤74	PASS
				Peak	2381.510	-37.98	≤-21.20	57.22	≤74	PASS
				Peak	2390.000	-40.86	≤-21.20	54.34	≤74	PASS
		High	2462	AV	2483.500	-45.48	≤-41.20	49.72	≤54	PASS
				AV	2483.560	-45.61	≤-41.20	49.59	≤54	PASS
				AV	2500.000	-46.48	≤-41.20	48.72	≤54	PASS
				Peak	2483.500	-39.08	≤-21.20	56.12	≤74	PASS
				Peak	2487.740	-36.31	≤-21.20	58.89	≤74	PASS
				Peak	2500.000	-39.22	≤-21.20	55.98	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-48.03	≤-41.20	47.17	≤54	PASS
				AV	2389.960	-45.55	≤-41.20	49.65	≤54	PASS
				AV	2390.000	-45.55	≤-41.20	49.65	≤54	PASS
				Peak	2310.000	-43.47	≤-21.20	51.73	≤74	PASS
				Peak	2388.400	-34.88	≤-21.20	60.32	≤74	PASS
				Peak	2390.000	-39.79	≤-21.20	55.41	≤74	PASS
		High	2462	AV	2483.500	-44.17	≤-41.20	51.03	≤54	PASS
				AV	2483.670	-44.24	≤-41.20	50.96	≤54	PASS
				AV	2500.000	-46.93	≤-41.20	48.27	≤54	PASS
				Peak	2483.500	-39.83	≤-21.20	55.37	≤74	PASS
				Peak	2483.890	-34.89	≤-21.20	60.31	≤74	PASS
				Peak	2500.000	-41.53	≤-21.20	53.67	≤74	PASS
11N20SISO	Ant1	Low	2412	AV	2310.000	-47.94	≤-41.20	47.26	≤54	PASS
				AV	2389.960	-44.43	≤-41.20	50.77	≤54	PASS
				AV	2390.000	-44.43	≤-41.20	50.77	≤54	PASS
				Peak	2310.000	-43.54	≤-21.20	51.66	≤74	PASS
				Peak	2388.270	-30.53	≤-21.20	64.67	≤74	PASS
				Peak	2390.000	-35.36	≤-21.20	59.84	≤74	PASS
		High	2462	AV	2483.500	-42.87	≤-41.20	52.33	≤54	PASS
				AV	2484.000	-42.7	≤-41.20	52.50	≤54	PASS
				AV	2500.000	-46.87	≤-41.20	48.33	≤54	PASS
				Peak	2483.500	-38.66	≤-21.20	56.54	≤74	PASS
				Peak	2483.670	-29.35	≤-21.20	65.85	≤74	PASS

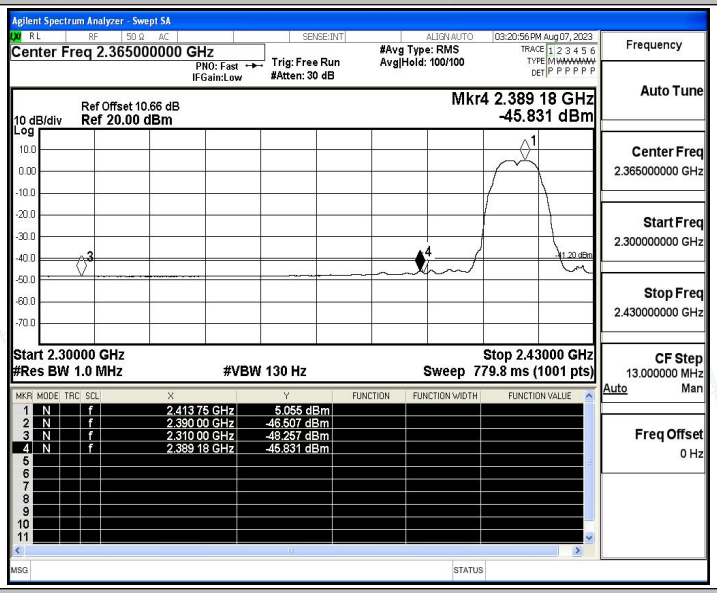
				Peak	2500.000	-43.17	≤-21.20	52.03	≤74	PASS

Note：

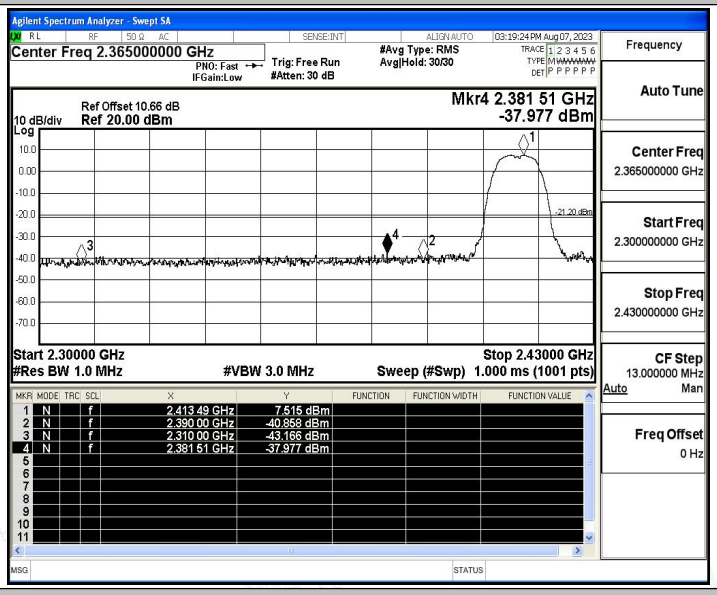
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

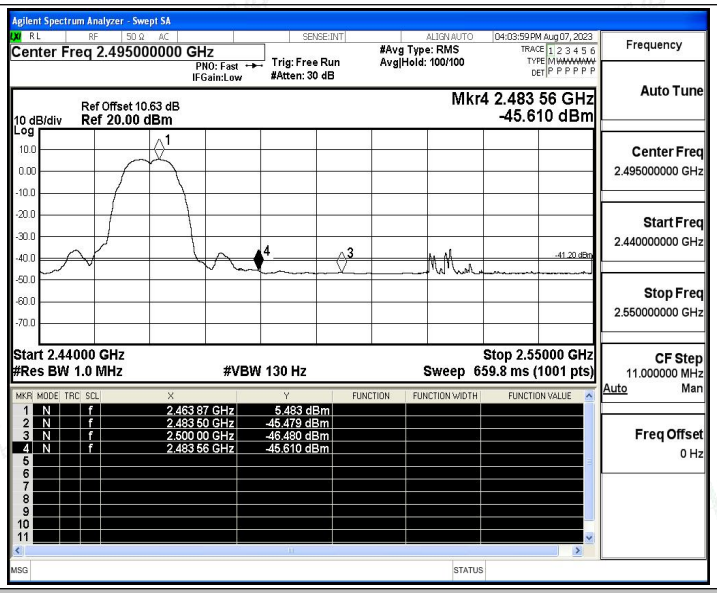
11B_Ant1_Low_2412_AV



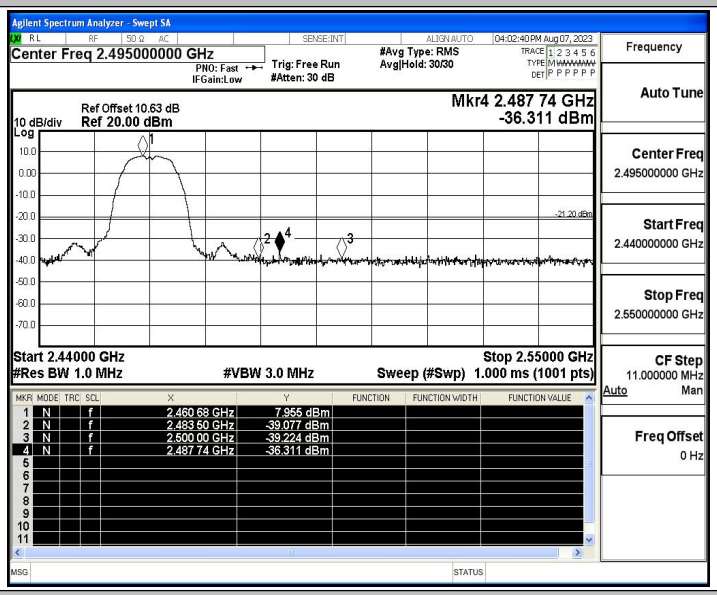
11B_Ant1_Low_2412_Peak



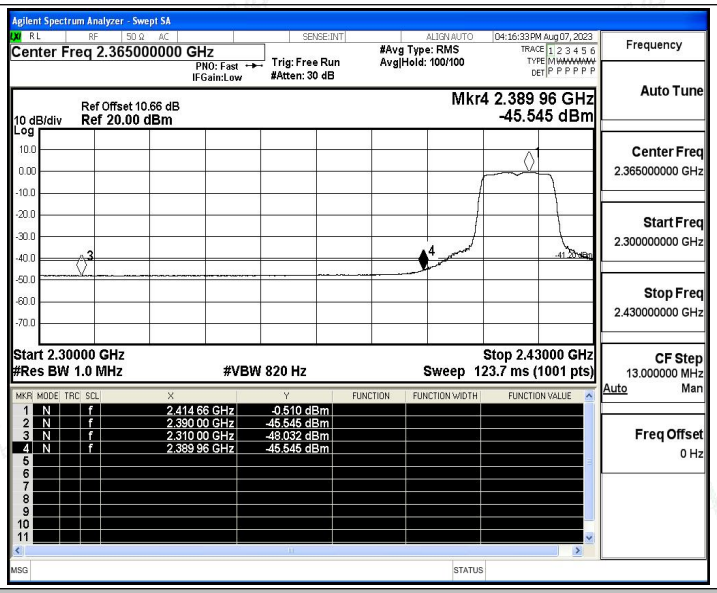
11B_Ant1_High_2462_AV



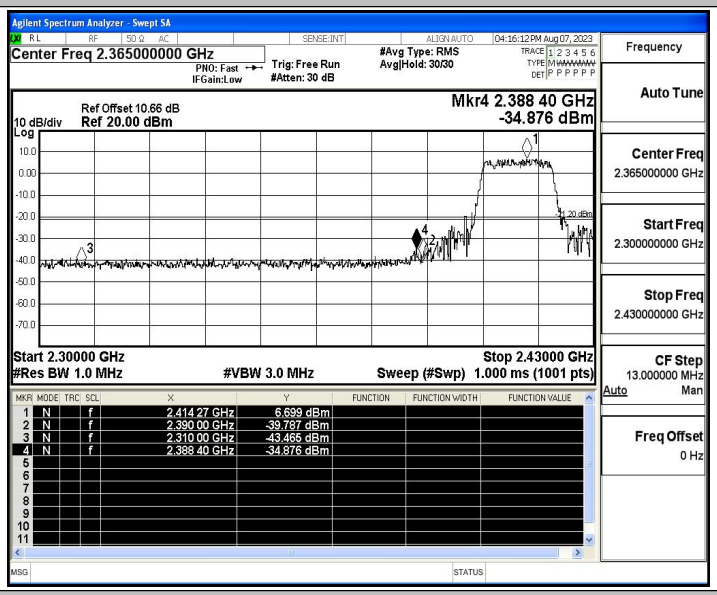
11B_Ant1_High_2462_Peak



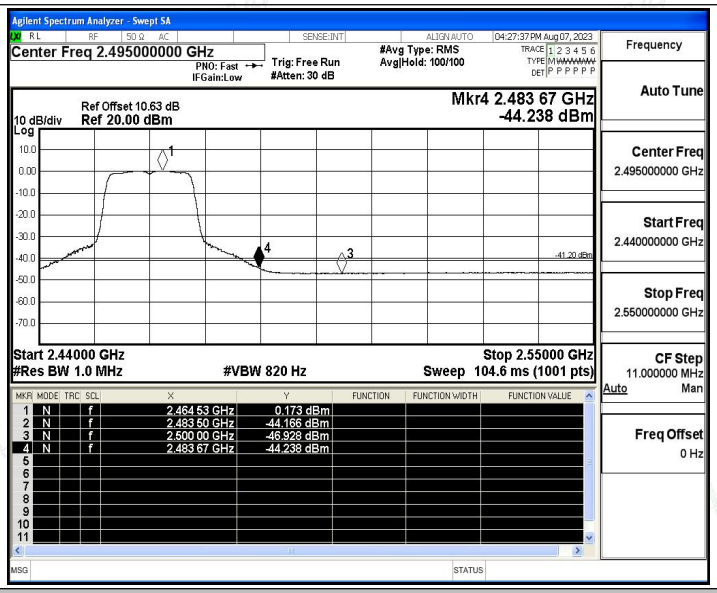
11G_Ant1_Low_2412_AV



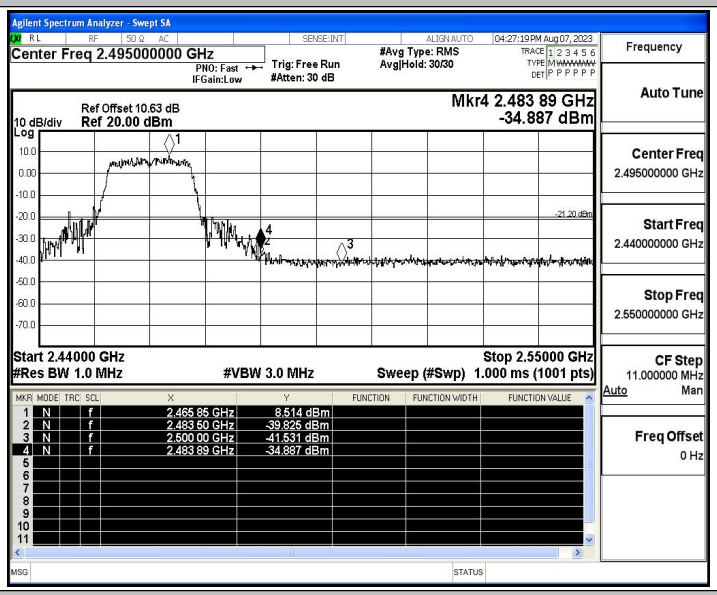
11G_Ant1_Low_2412_Peak



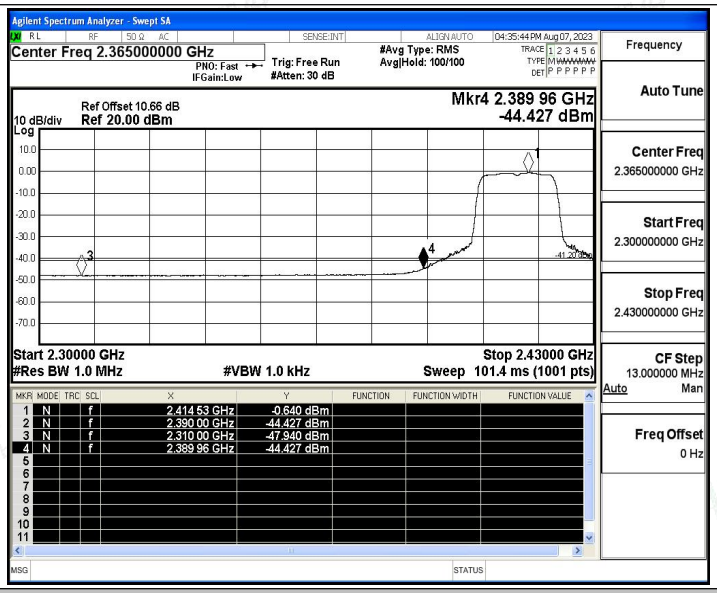
11G_Ant1_High_2462_AV



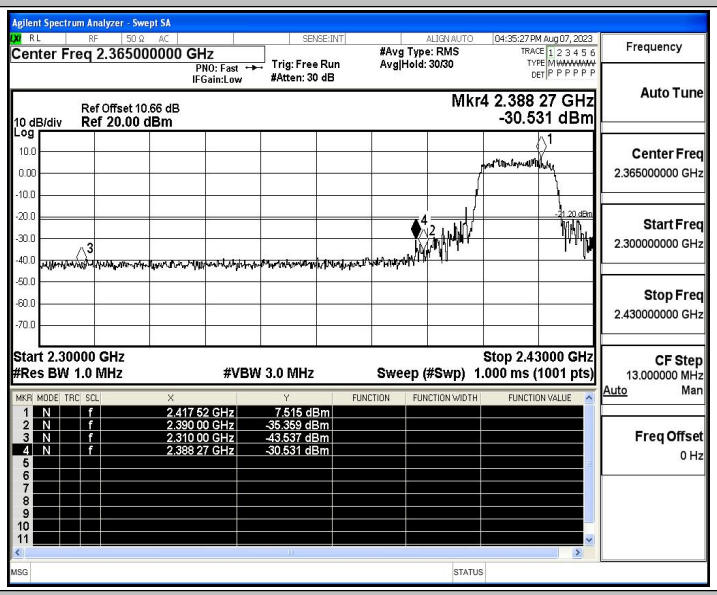
11G_Ant1_High_2462_Peak



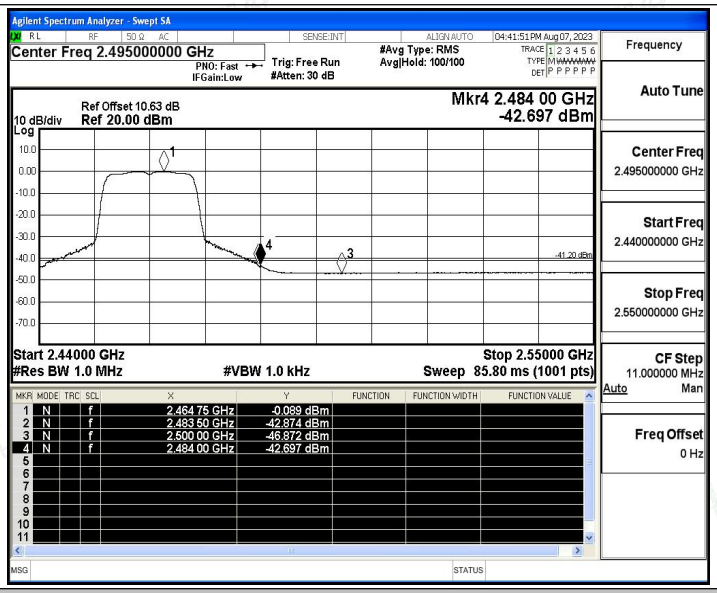
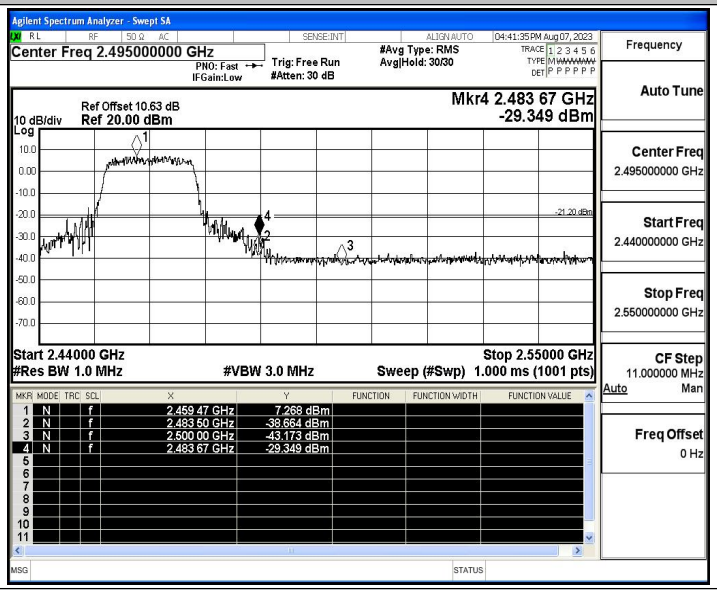
11N20SISO_Ant1_Low_2412_AV



11N20SISO_Ant1_Low_2412_Peak



11N20SISO_Ant1_High_2462_AV



11N20SISO_Ant1_High_2462_Peak