

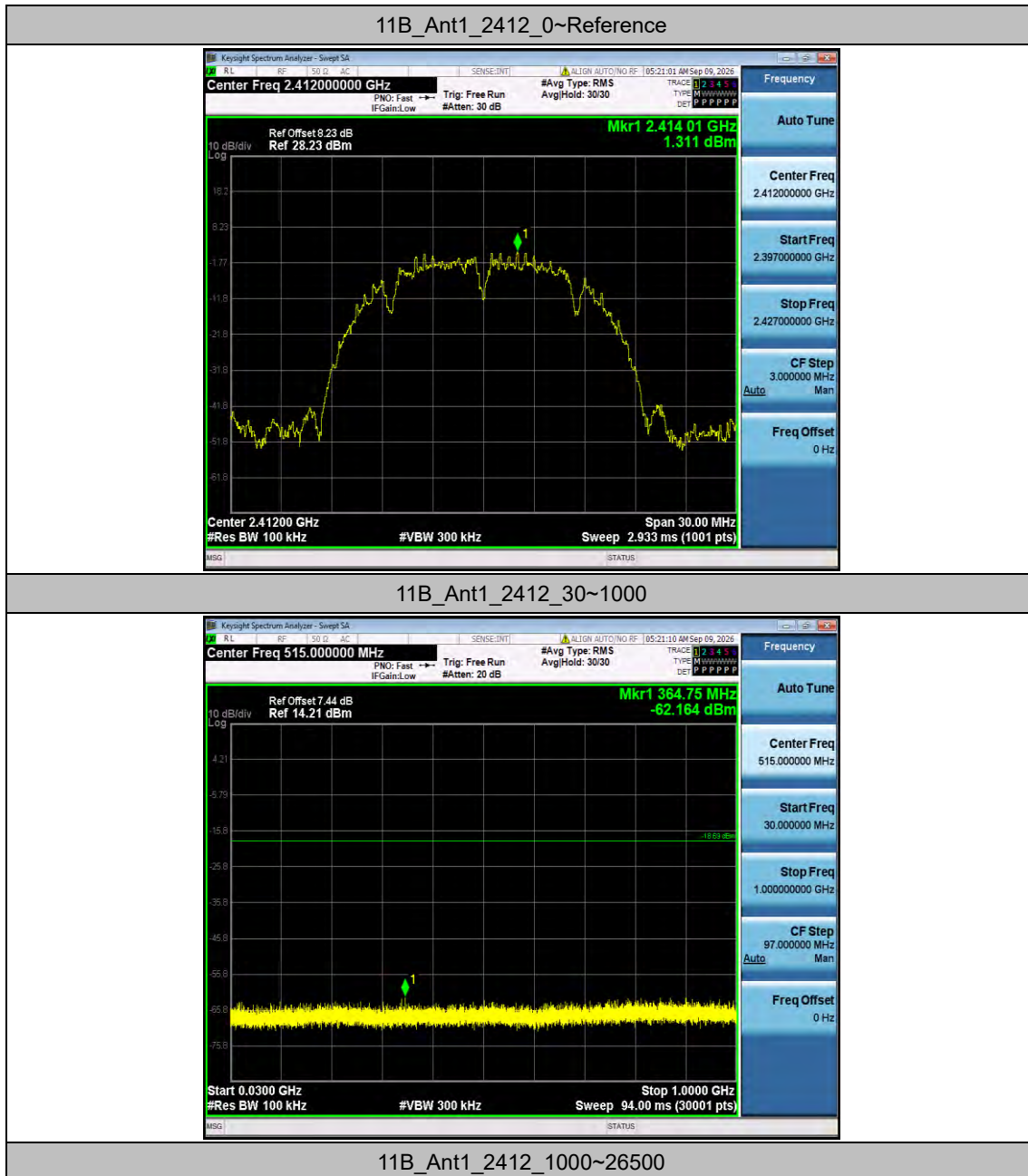
Appendix C.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.31	1.31	---	PASS
			30~1000	1.31	-62.16	≤ -18.69	PASS
			1000~26500	1.31	-48.14	≤ -18.69	PASS
		2437	Reference	1.27	1.27	---	PASS
			30~1000	1.27	-61.74	≤ -18.73	PASS
			1000~26500	1.27	-48.6	≤ -18.73	PASS
		2462	Reference	1.66	1.66	---	PASS
			30~1000	1.66	-61.78	≤ -18.34	PASS
			1000~26500	1.66	-47.33	≤ -18.34	PASS
11G	Ant1	2412	Reference	0.82	0.82	---	PASS
			30~1000	0.82	-61.79	≤ -19.18	PASS
			1000~26500	0.82	-47.77	≤ -19.18	PASS
		2437	Reference	-0.18	-0.18	---	PASS
			30~1000	-0.18	-62.13	≤ -20.18	PASS
			1000~26500	-0.18	-47.67	≤ -20.18	PASS
		2462	Reference	-2.24	-2.24	---	PASS
			30~1000	-2.24	-61.96	≤ -22.24	PASS
			1000~26500	-2.24	-48.16	≤ -22.24	PASS
11N20SISO	Ant1	2412	Reference	-1.78	-1.78	---	PASS
			30~1000	-1.78	-62.01	≤ -21.78	PASS
			1000~26500	-1.78	-47.28	≤ -21.78	PASS
		2437	Reference	-2.70	-2.70	---	PASS
			30~1000	-2.70	-61.95	≤ -22.7	PASS
			1000~26500	-2.70	-47.68	≤ -22.7	PASS
		2462	Reference	-2.67	-2.67	---	PASS
			30~1000	-2.67	-61.53	≤ -22.67	PASS
			1000~26500	-2.67	-48.05	≤ -22.67	PASS
11N40SISO	Ant1	2422	Reference	-5.01	-5.01	---	PASS
			30~1000	-5.01	-61.37	≤ -25.01	PASS
			1000~26500	-5.01	-47.27	≤ -25.01	PASS
		2437	Reference	-2.07	-2.07	---	PASS
			30~1000	-2.07	-61.09	≤ -22.07	PASS
			1000~26500	-2.07	-48.44	≤ -22.07	PASS
		2452	Reference	-3.87	-3.87	---	PASS
			30~1000	-3.87	-61.54	≤ -23.87	PASS
			1000~26500	-3.87	-48.33	≤ -23.87	PASS

11AX20SISO	Ant1	2412	Reference	-1.25	-1.25	---	PASS
			30~1000	-1.25	-62.06	≤ -21.25	PASS
			1000~26500	-1.25	-48.29	≤ -21.25	PASS
		2437	Reference	-1.23	-1.23	---	PASS
			30~1000	-1.23	-61.5	≤ -21.23	PASS
			1000~26500	-1.23	-48.06	≤ -21.23	PASS
		2462	Reference	-1.72	-1.72	---	PASS
			30~1000	-1.72	-62.14	≤ -21.72	PASS
			1000~26500	-1.72	-48.1	≤ -21.72	PASS
11AX40SISO	Ant1	2422	Reference	-5.25	-5.25	---	PASS
			30~1000	-5.25	-61.51	≤ -25.25	PASS
			1000~26500	-5.25	-47.69	≤ -25.25	PASS
		2437	Reference	-2.68	-2.68	---	PASS
			30~1000	-2.68	-61.74	≤ -22.68	PASS
			1000~26500	-2.68	-48.01	≤ -22.68	PASS
		2452	Reference	-5.53	-5.53	---	PASS
			30~1000	-5.53	-61.67	≤ -25.53	PASS
			1000~26500	-5.53	-47.92	≤ -25.53	PASS

Test Graphs



Keysight Spectrum Analyzer - Swept SA

R1 50.0 AC ALIGN AUTO/NO REF 05:26:40 AM Sep 09 2026

Center Freq 2.437000000 GHz

PNO: Fast Trig: Free Run #Avg Type: RMS
IFGain: Low #Atten: 30 dB Avg/Hold: 30/30

TRACE 1 2 3 4 5
TYPE M W W W W W W W
DET P P P P P P

Ref Offset 6.35 dB
Ref 28.35 dBm

**Mkr1 2.436 01 GHz
1.266 dBm**

10 dB/div
Log

18.4
8.35
-1.65
-11.7
-21.7
-31.7
-41.7
-51.7
-61.7

Center 2.43700 GHz
#Res BW 100 kHz
#VBW 300 kHz

Span 30.00 MHz
Sweep 2.933 ms (1001 pts)

Frequency

Auto Tune

Center Freq
2.437000000 GHz

Start Freq
2.422000000 GHz

Stop Freq
2.452000000 GHz

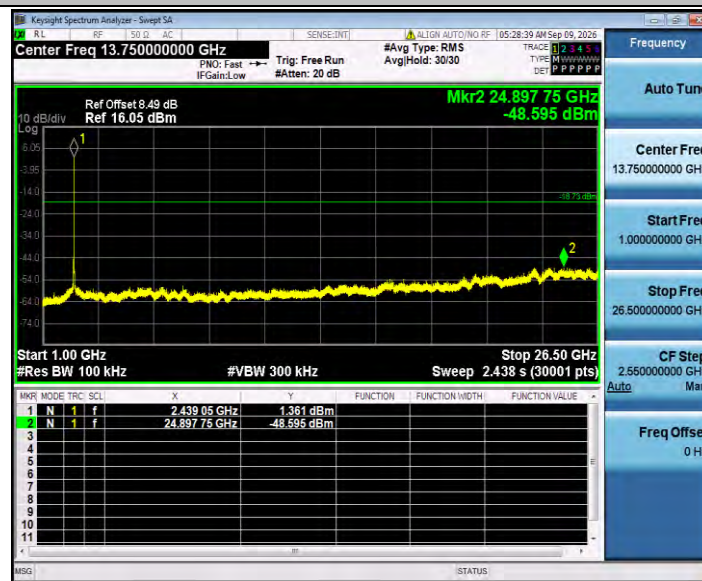
CF Step
3.000000 MHz
Auto Man

Freq Offset
0 Hz

MSO STATUS

The screenshot displays a Keysight Spectrum Analyzer interface. The main display area shows a spectrum plot with a noise floor around -65 dBm and a small peak at 782.24 MHz. The plot is overlaid with a grid. The y-axis is labeled '10 dB/div' and 'Log'. The x-axis is labeled 'Start 0.0300 GHz' and 'Stop 1.0000 GHz'. The plot area also shows 'Ref Offset 7.44 dB' and 'Ref 14.09 dBm'. The peak is labeled 'Mkr1 782.24 MHz' and '-61.743 dBm'. The interface includes a top bar with 'Keysight Spectrum Analyzer - Swept SA', a left panel with 'Center Freq 515.000000 MHz', a right panel with 'Frequency' and 'Auto Tune', and a bottom panel with 'Start 0.0300 GHz', '#Res BW 100 kHz', '#VBW 300 kHz', 'Sweep 94.00 ms (30001 pts)', and 'Stop 1.0000 GHz'. The status bar at the bottom shows 'MSG' and 'STATUS'.

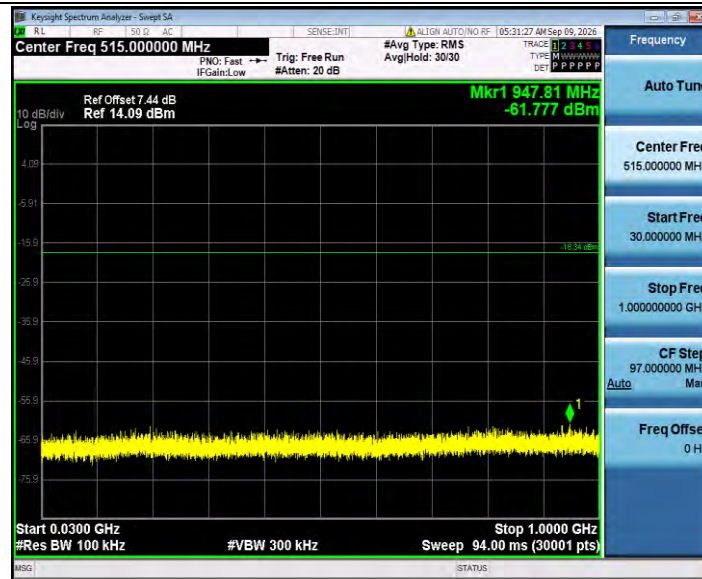
11B_Ant1_2437_1000~26500



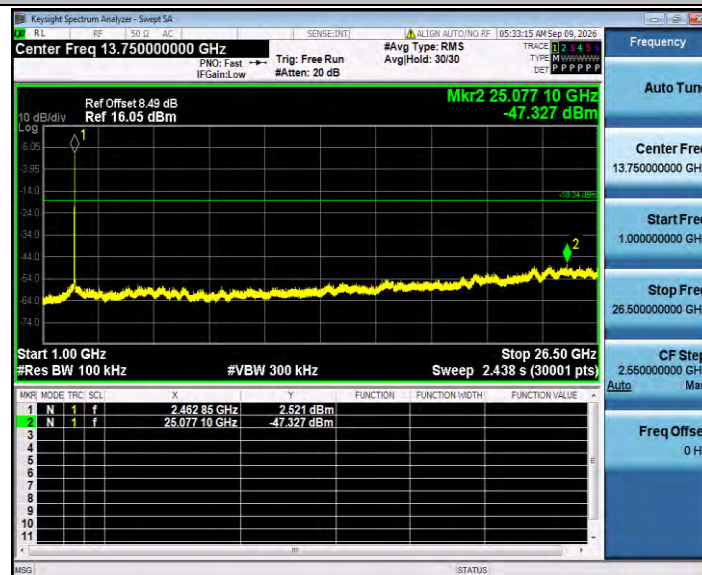
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



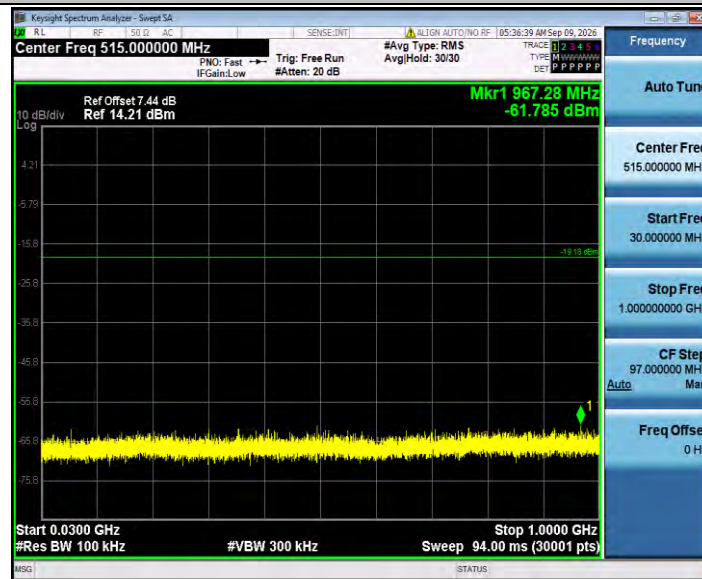
11B_Ant1_2462_1000~26500



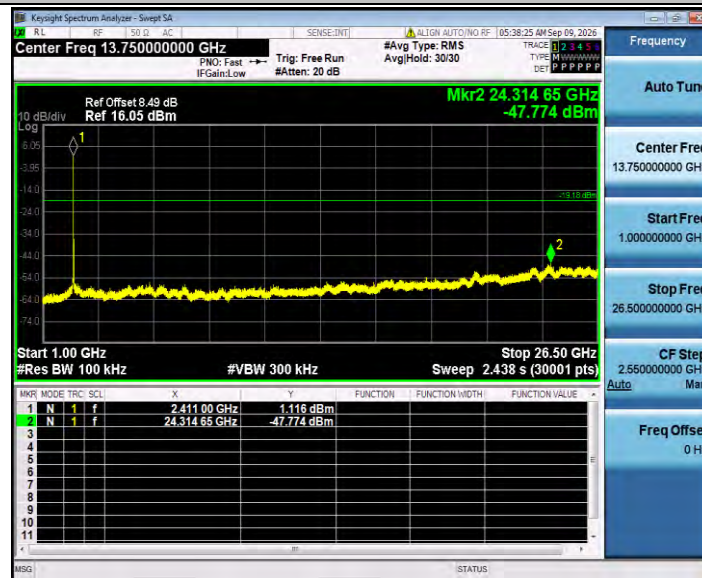
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



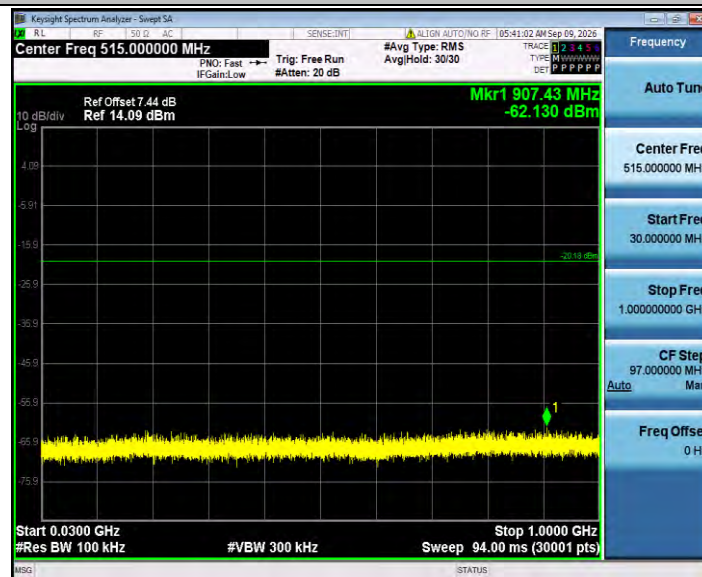
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



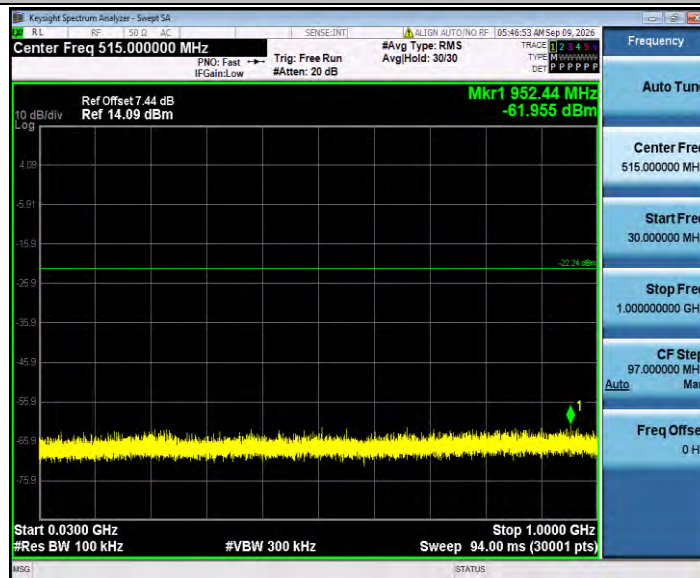
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



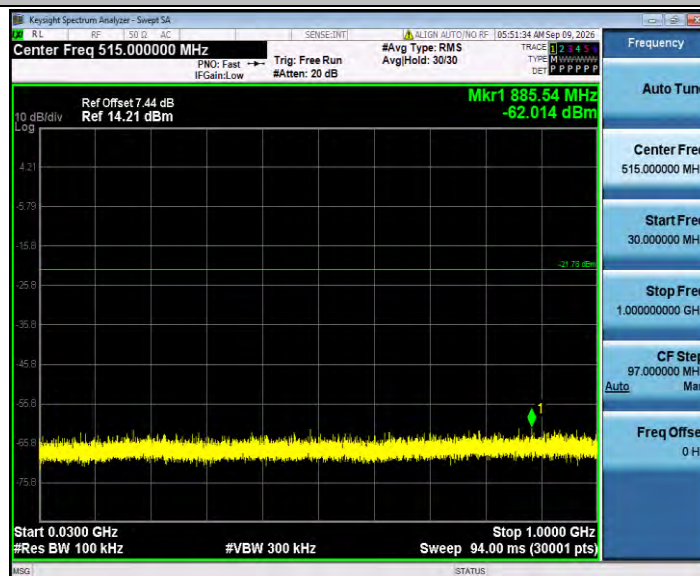
11G_Ant1_2462_1000~26500



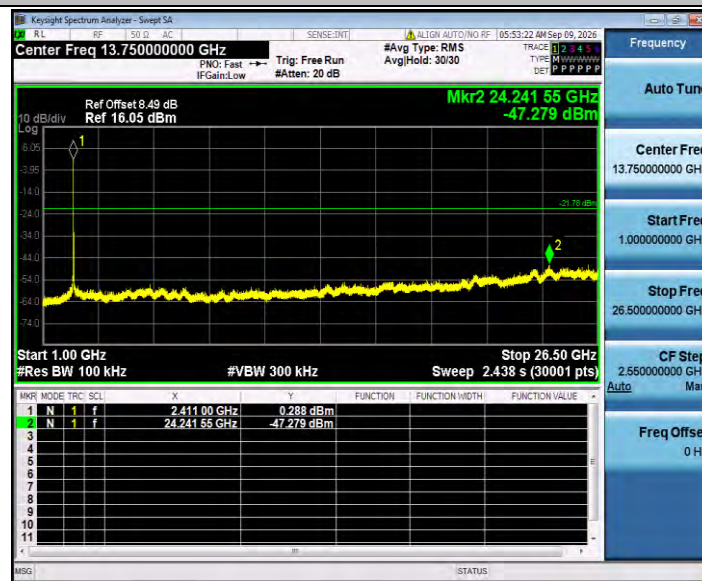
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



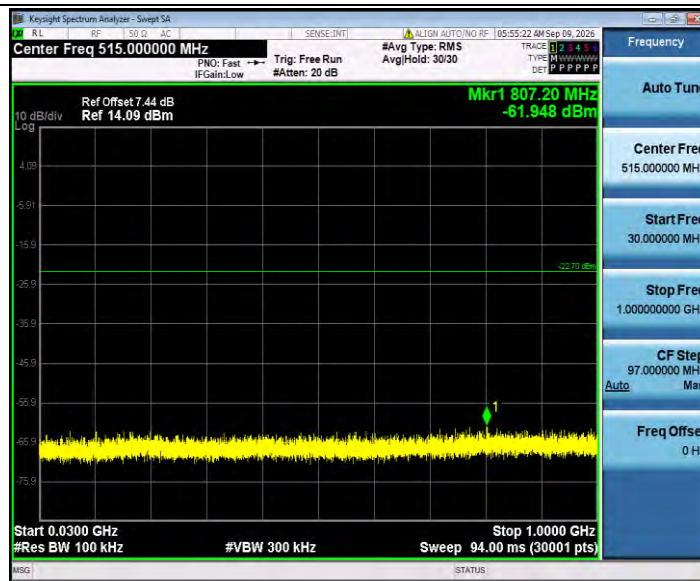
11N20SISO_Ant1_2412_1000~26500



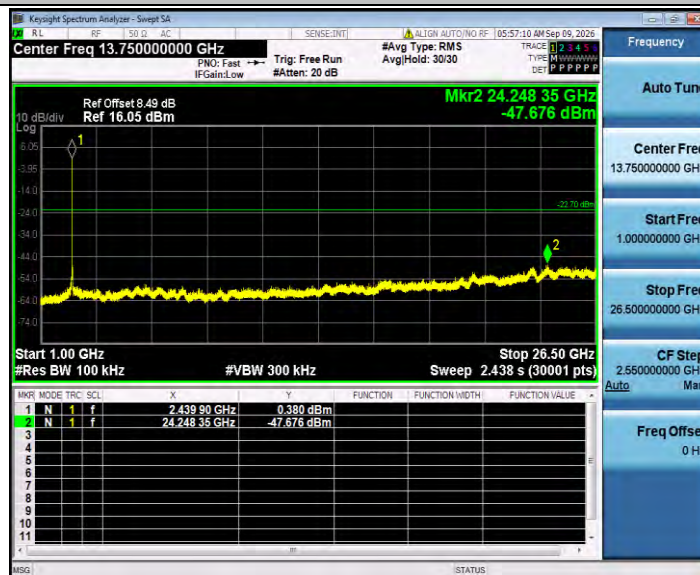
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000

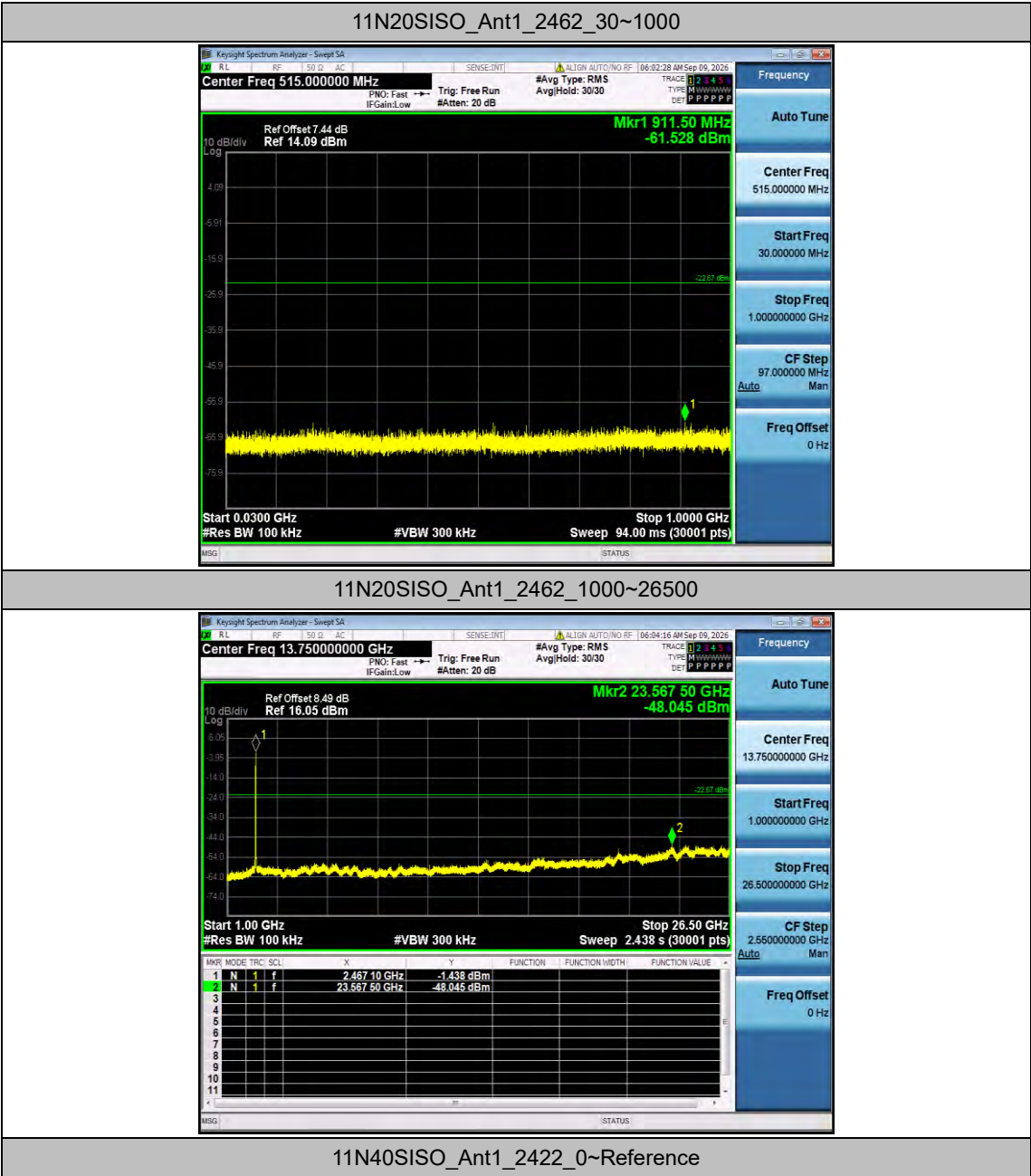


11N20SISO_Ant1_2437_1000~26500



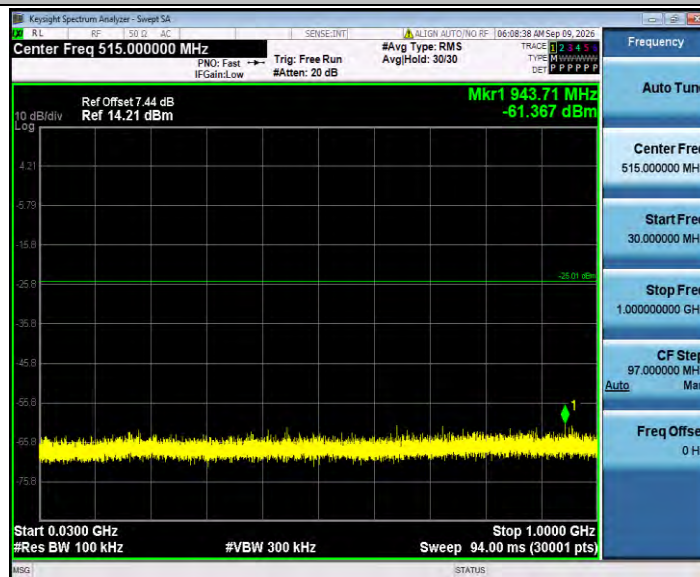
11N20SISO_Ant1_2462_0~Reference







11N40SISO_Ant1_2422_30~1000



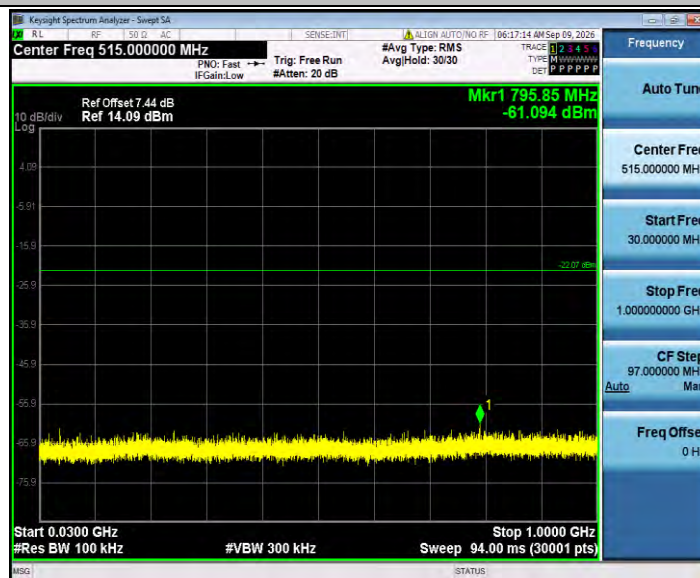
11N40SISO_Ant1_2422_1000~26500



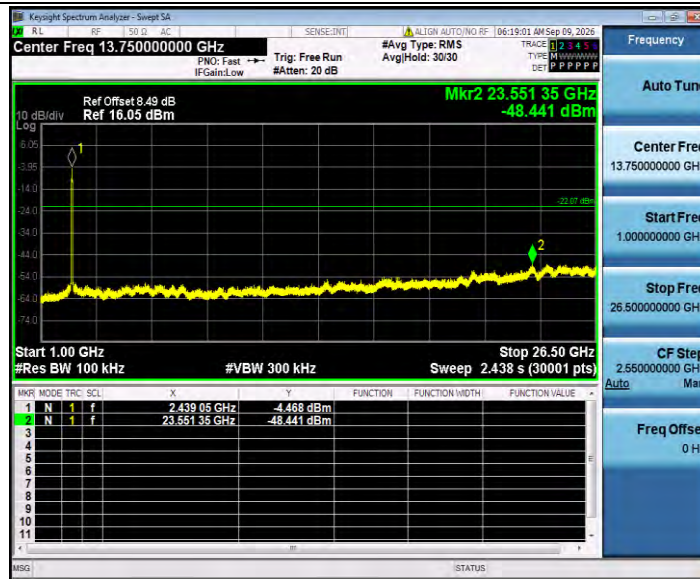
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



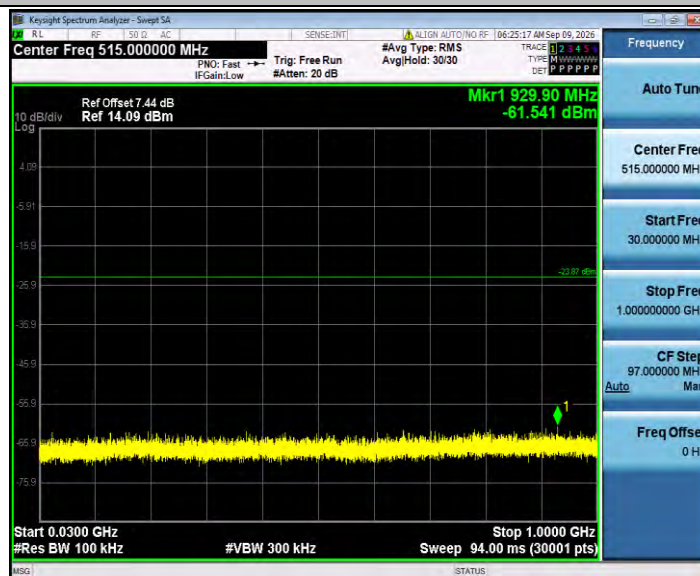
11N40SISO_Ant1_2437_1000~26500

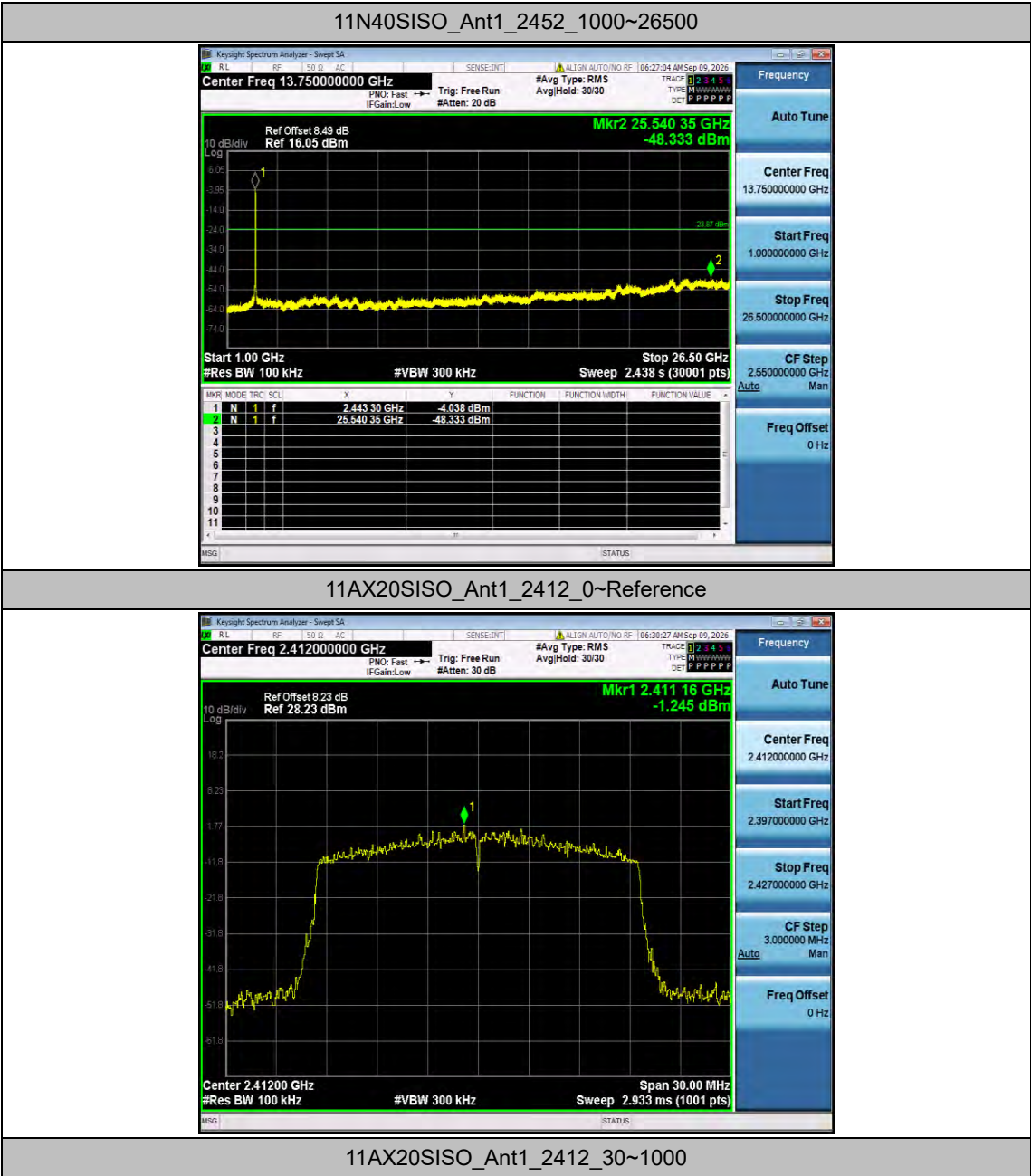


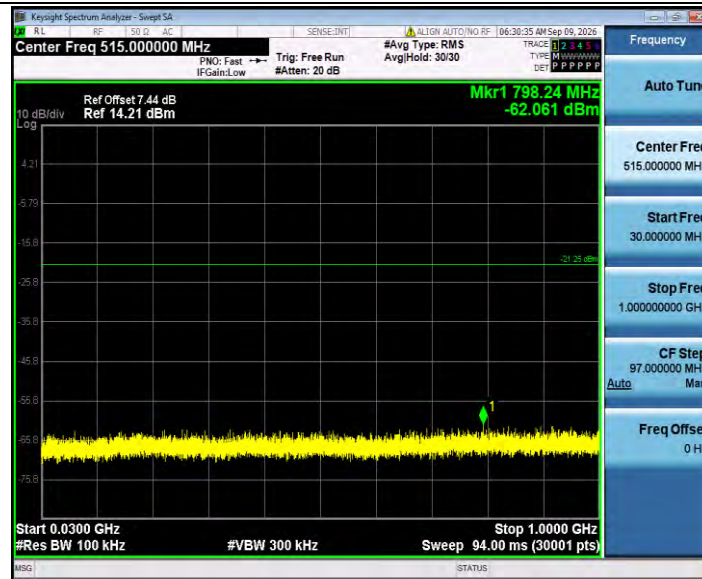
11N40SISO_Ant1_2452_0~Reference



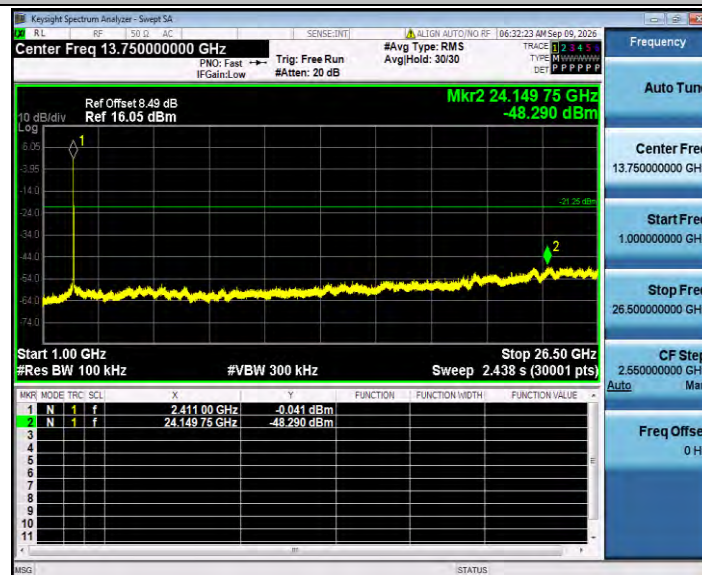
11N40SISO_Ant1_2452_30~1000







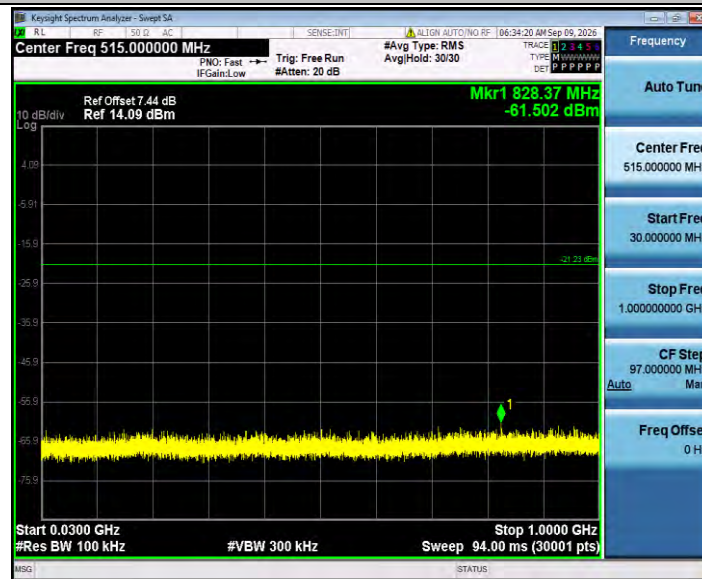
11AX20SISO_Ant1_2412_1000~26500



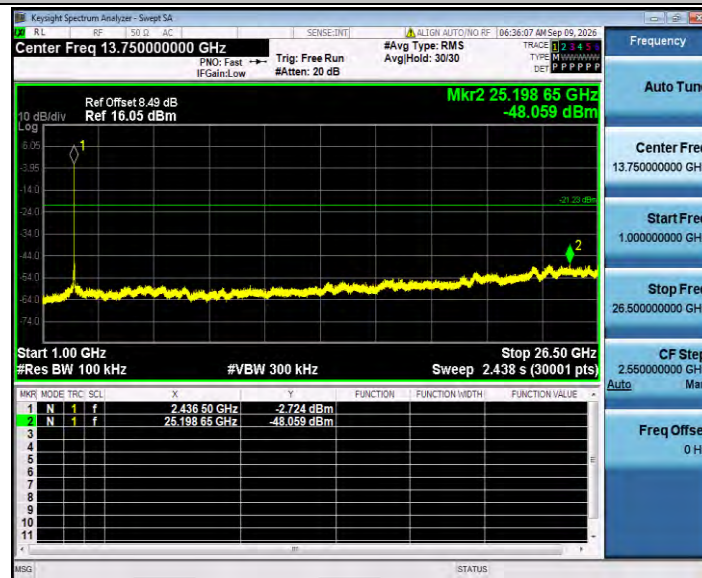
11AX20SISO_Ant1_2437_0~Reference



11AX20SISO_Ant1_2437_30~1000



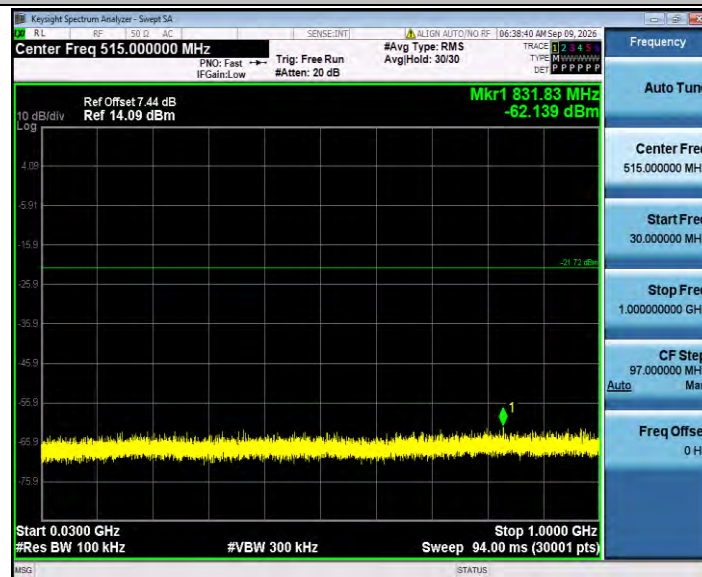
11AX20SISO_Ant1_2437_1000~26500



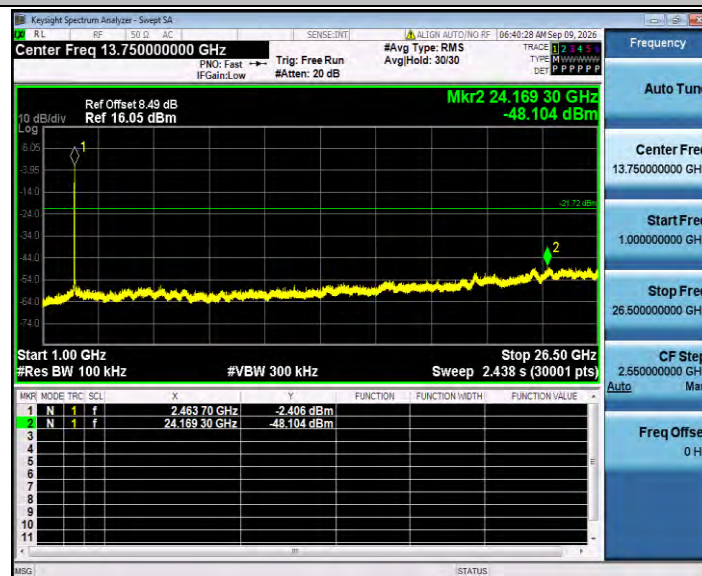
11AX20SISO_Ant1_2462_0~Reference



11AX20SISO_Ant1_2462_30~1000



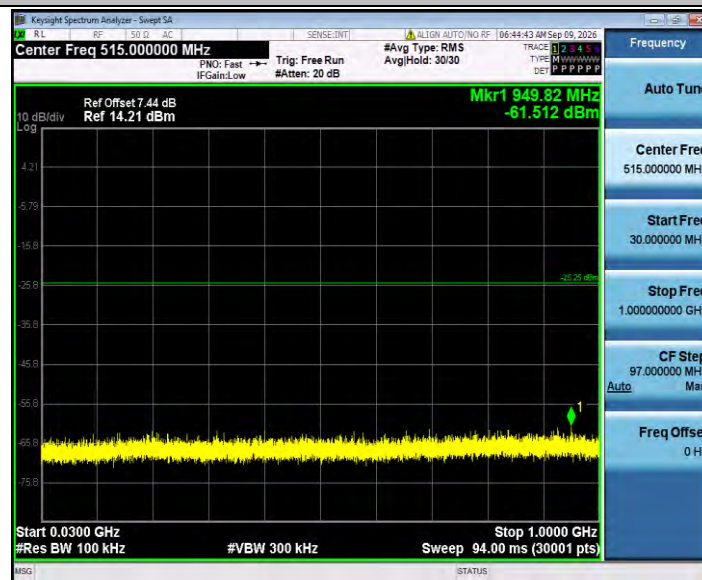
11AX20SISO_Ant1_2462_1000~26500



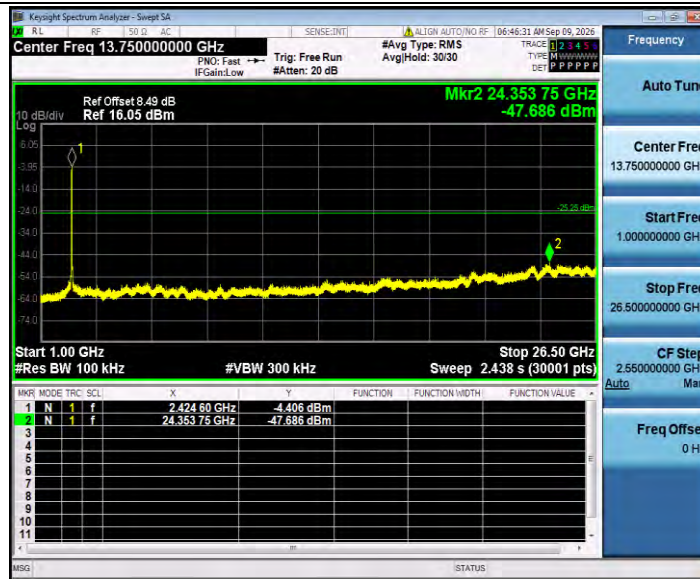
11AX40SISO_Ant1_2422_0~Reference



11AX40SISO_Ant1_2422_30~1000



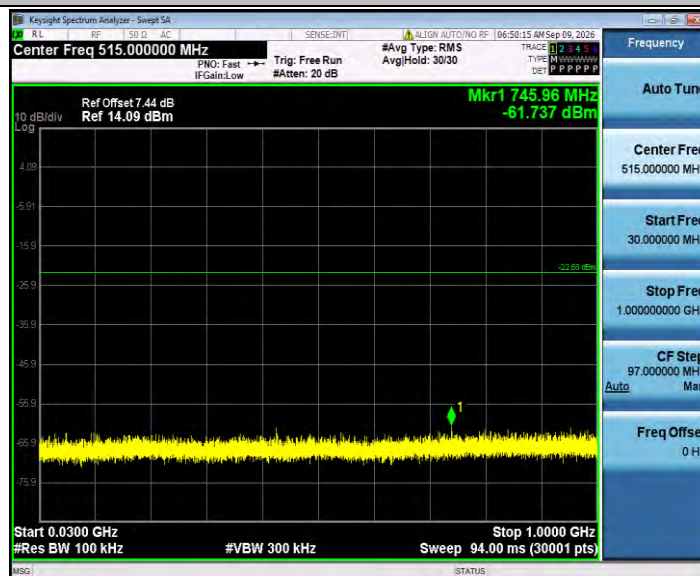
11AX40SISO_Ant1_2422_1000~26500



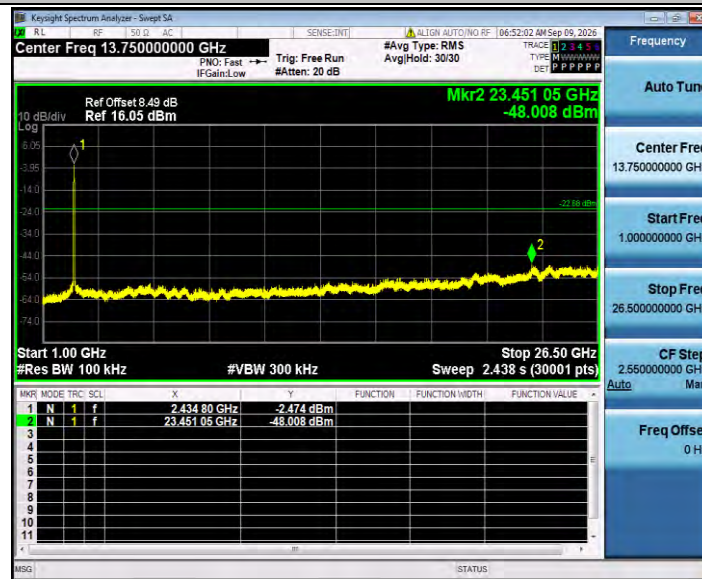
11AX40SISO_Ant1_2437_0~Reference



11AX40SISO_Ant1_2437_30~1000



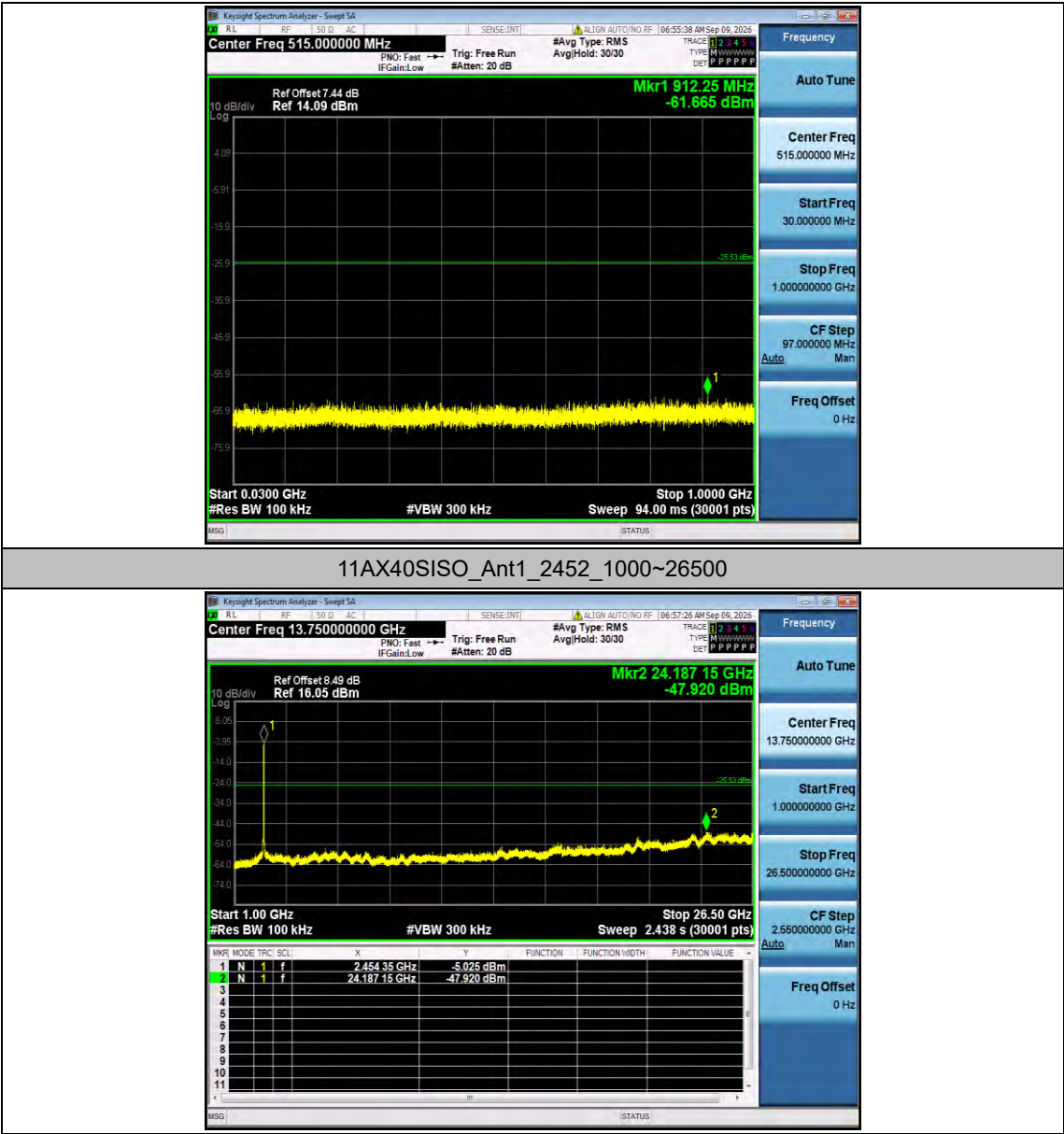
11AX40SISO_Ant1_2437_1000~26500



11AX40SISO_Ant1_2452_0~Reference



11AX40SISO_Ant1_2452_30~1000

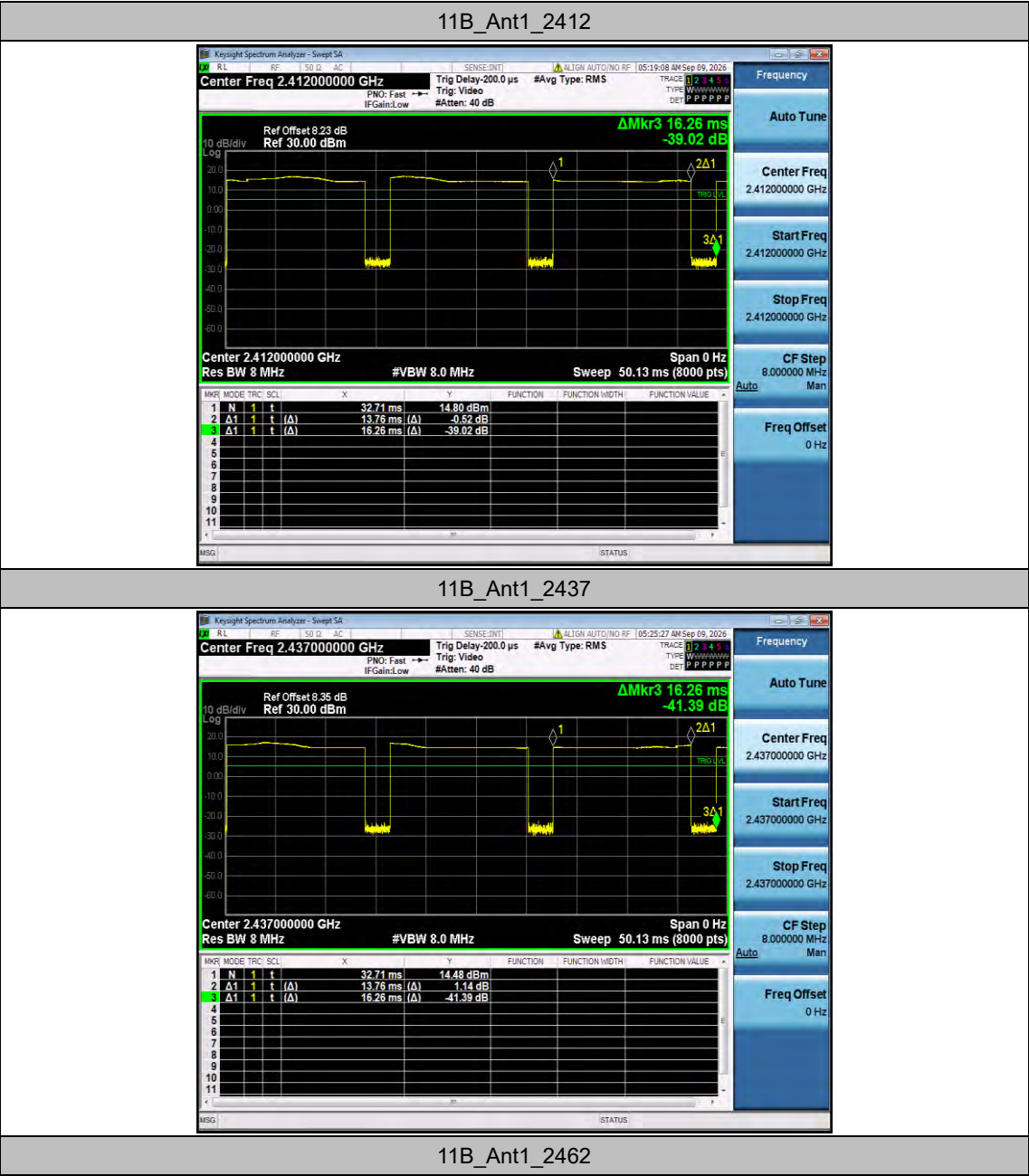


AppendixC.7: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11B	Ant1	2412	13.76	16.26	84.62	0.73	0.07
		2437	13.76	16.26	84.62	0.73	0.07
		2462	13.76	16.26	84.62	0.73	0.07
11G	Ant1	2412	2.29	4.80	47.71	3.21	0.44
		2437	2.28	4.79	47.60	3.22	0.44
		2462	2.29	4.80	47.71	3.21	0.44
11N20SISO	Ant1	2412	1.81	4.31	42.00	3.77	0.55
		2437	1.81	4.32	41.90	3.78	0.55
		2462	1.81	4.32	41.90	3.78	0.55
11N40SISO	Ant1	2422	1.77	4.28	41.36	3.83	0.56
		2437	1.76	4.27	41.22	3.85	0.57
		2452	1.76	4.27	41.22	3.85	0.57
11AX20SISO	Ant1	2412	9.49	11.99	79.15	1.02	0.11
		2437	9.49	12.00	79.08	1.02	0.11
		2462	9.48	11.99	79.07	1.02	0.11
11AX40SISO	Ant1	2422	18.71	21.21	88.21	0.54	0.05
		2437	18.70	21.21	88.17	0.55	0.05
		2452	18.71	21.21	88.21	0.54	0.05

Test Graphs



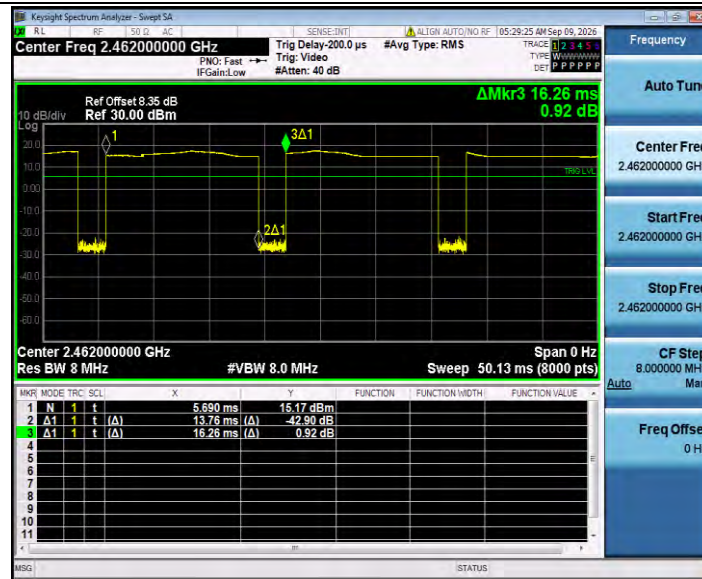
11B_Ant1_2437

Frequency

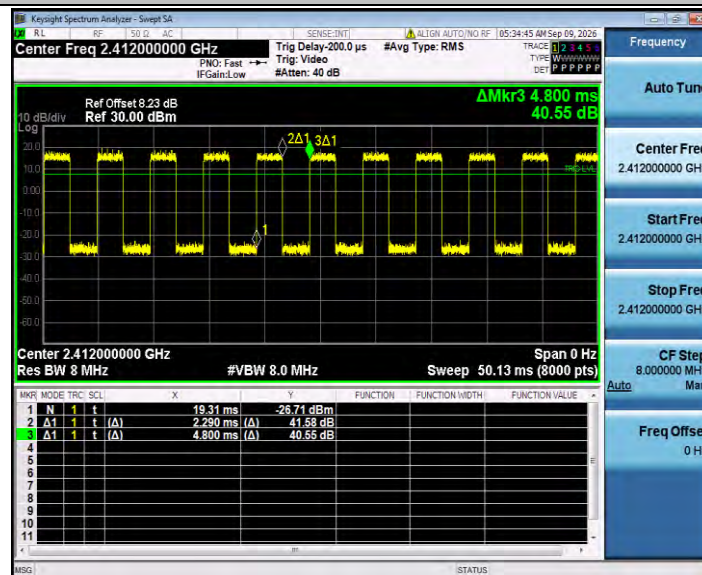
Auto Tune

Center Freq
2.437000000 GHzStart Freq
2.437000000 GHzStop Freq
2.437000000 GHzCF Step
8.000000 MHz
ManFreq Offset
0 Hz

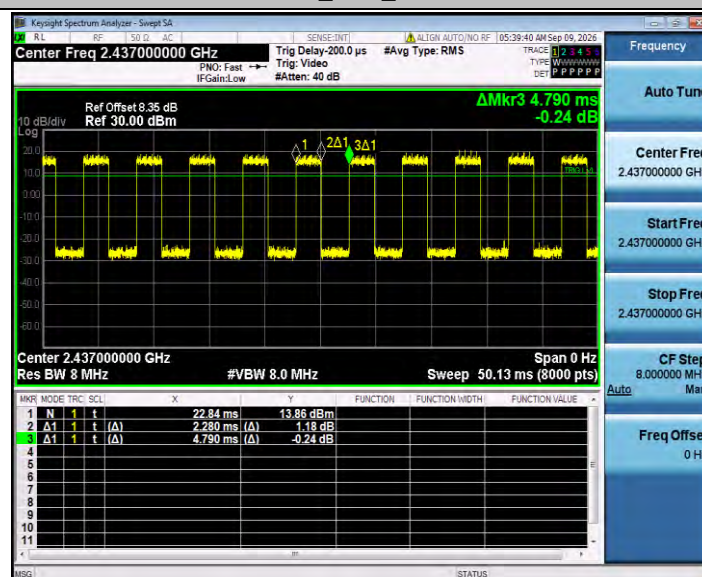
11B_Ant1_2462



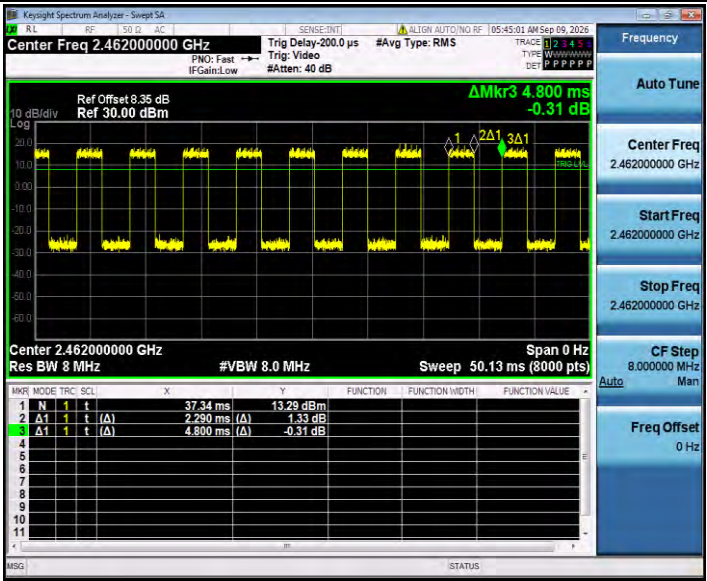
11G_Ant1_2412



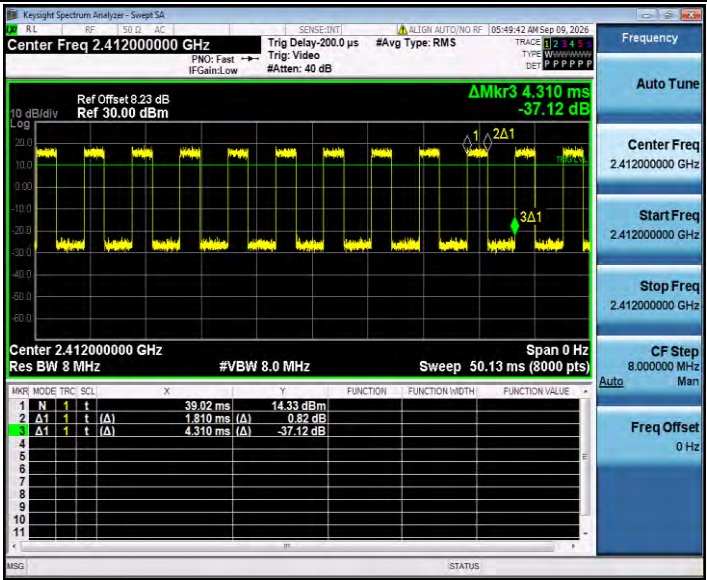
11G_Ant1_2437



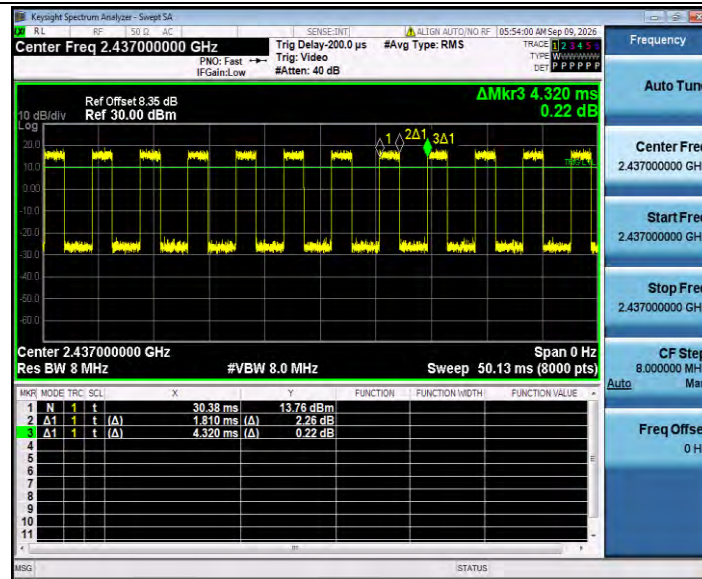
11G_Ant1_2462



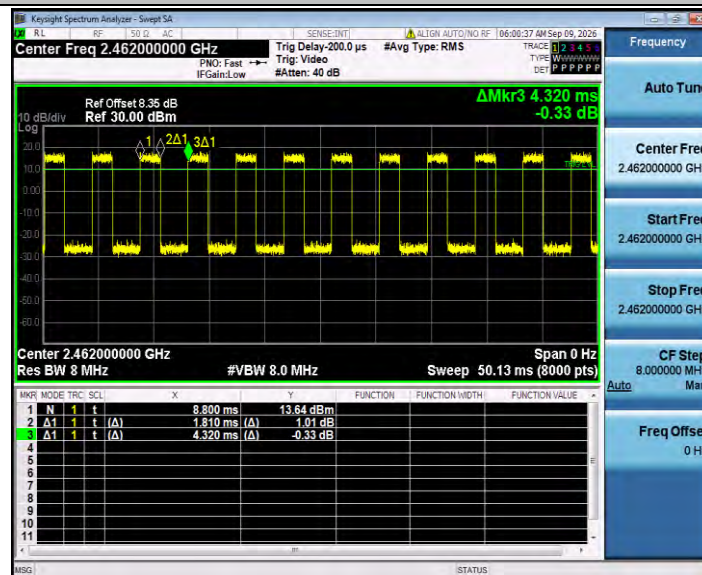
11N20SISO_Ant1_2412



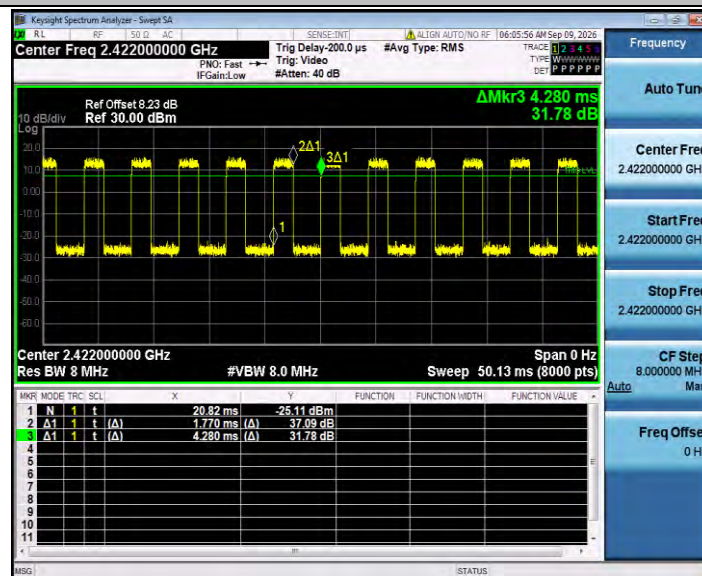
11N20SISO_Ant1_2437



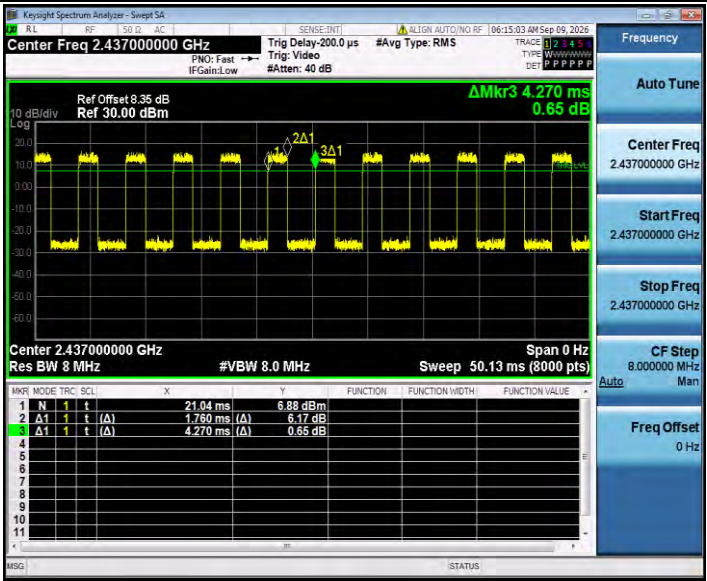
11N20SISO_Ant1_2462



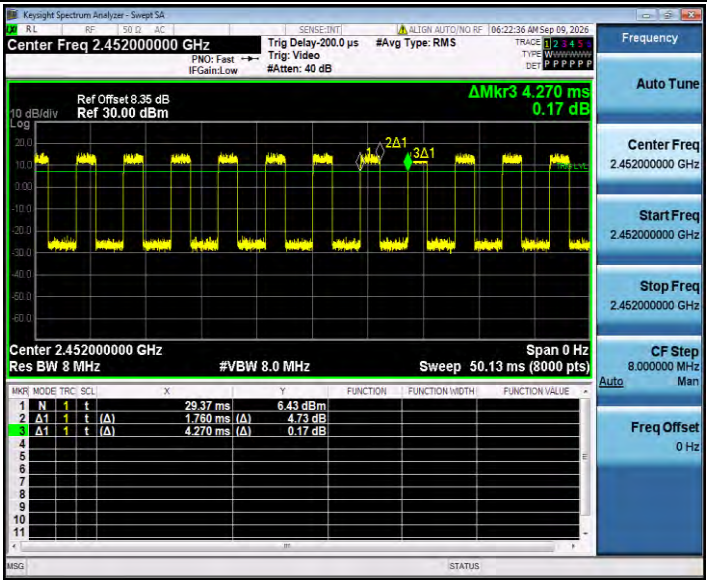
11N40SISO_Ant1_2422



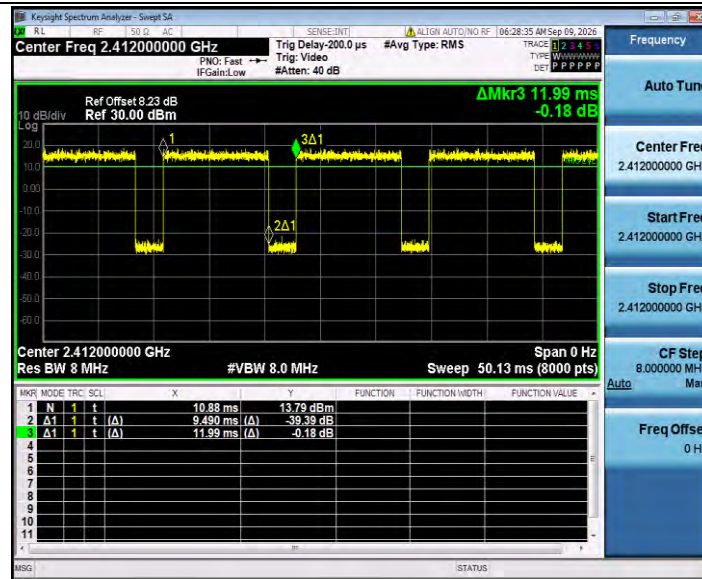
11N40SISO_Ant1_2437



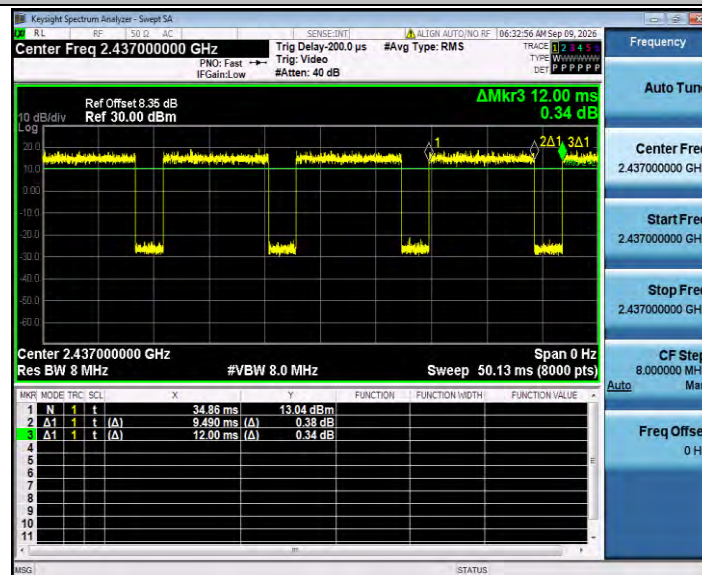
11N40SISO_Ant1_2452



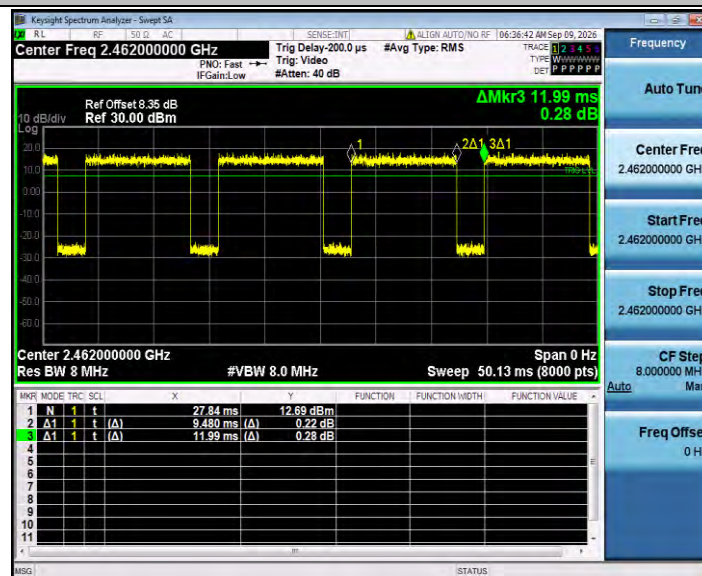
11AX20SISO_Ant1_2412



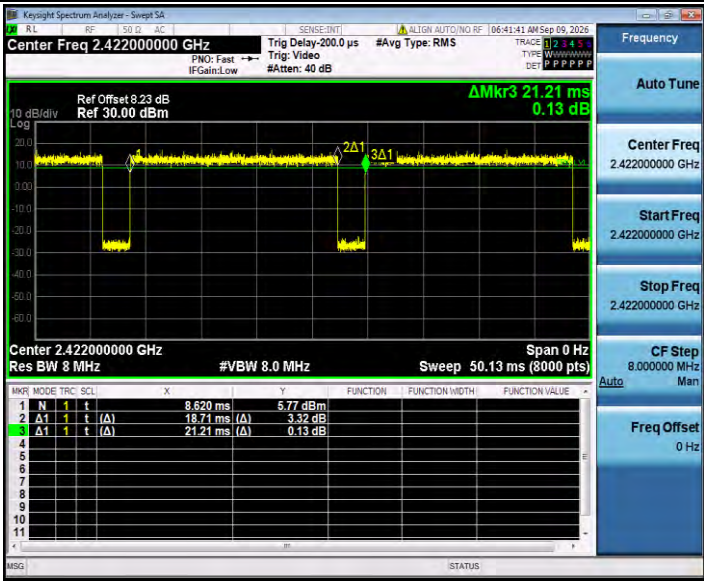
11AX20SISO_Ant1_2437



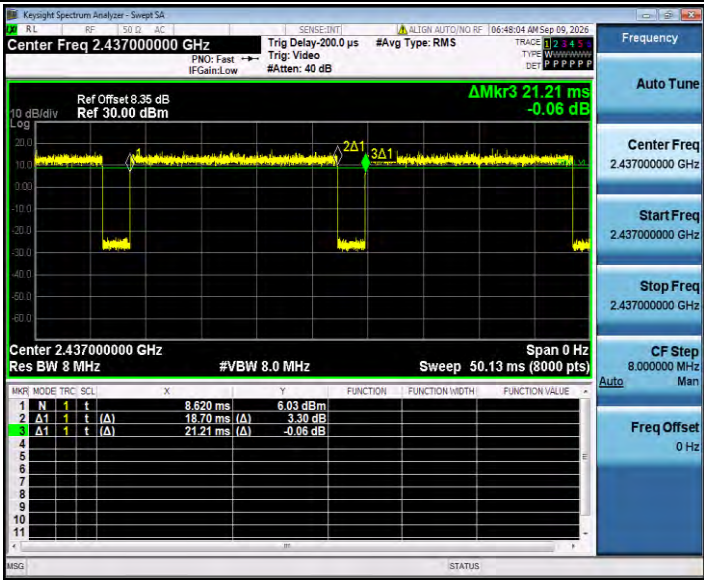
11AX20SISO_Ant1_2462



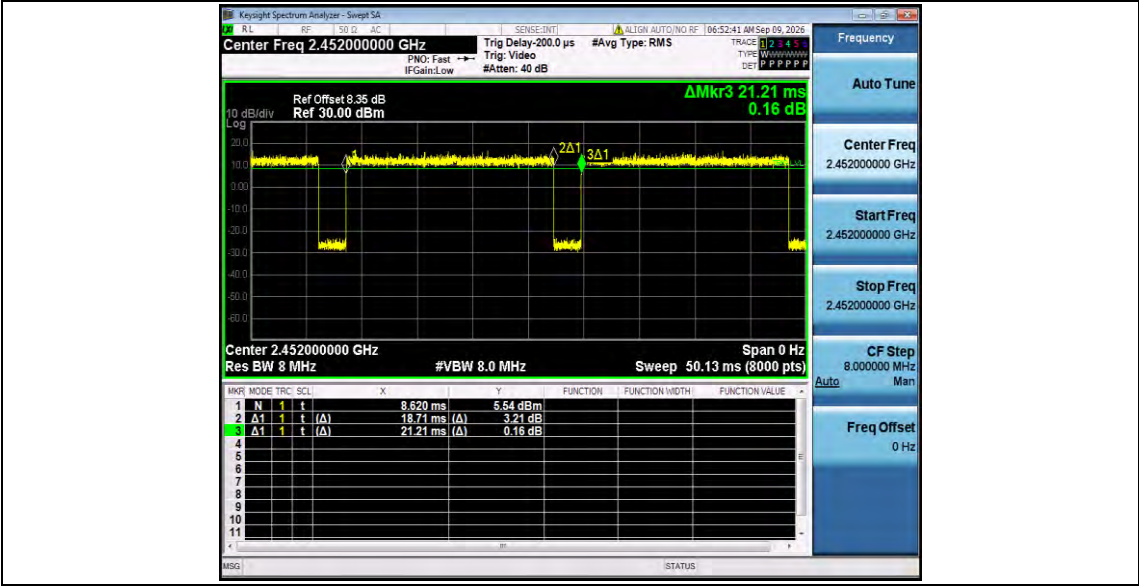
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



Appendix C.8: Emissions in Restricted Bands

Test Result

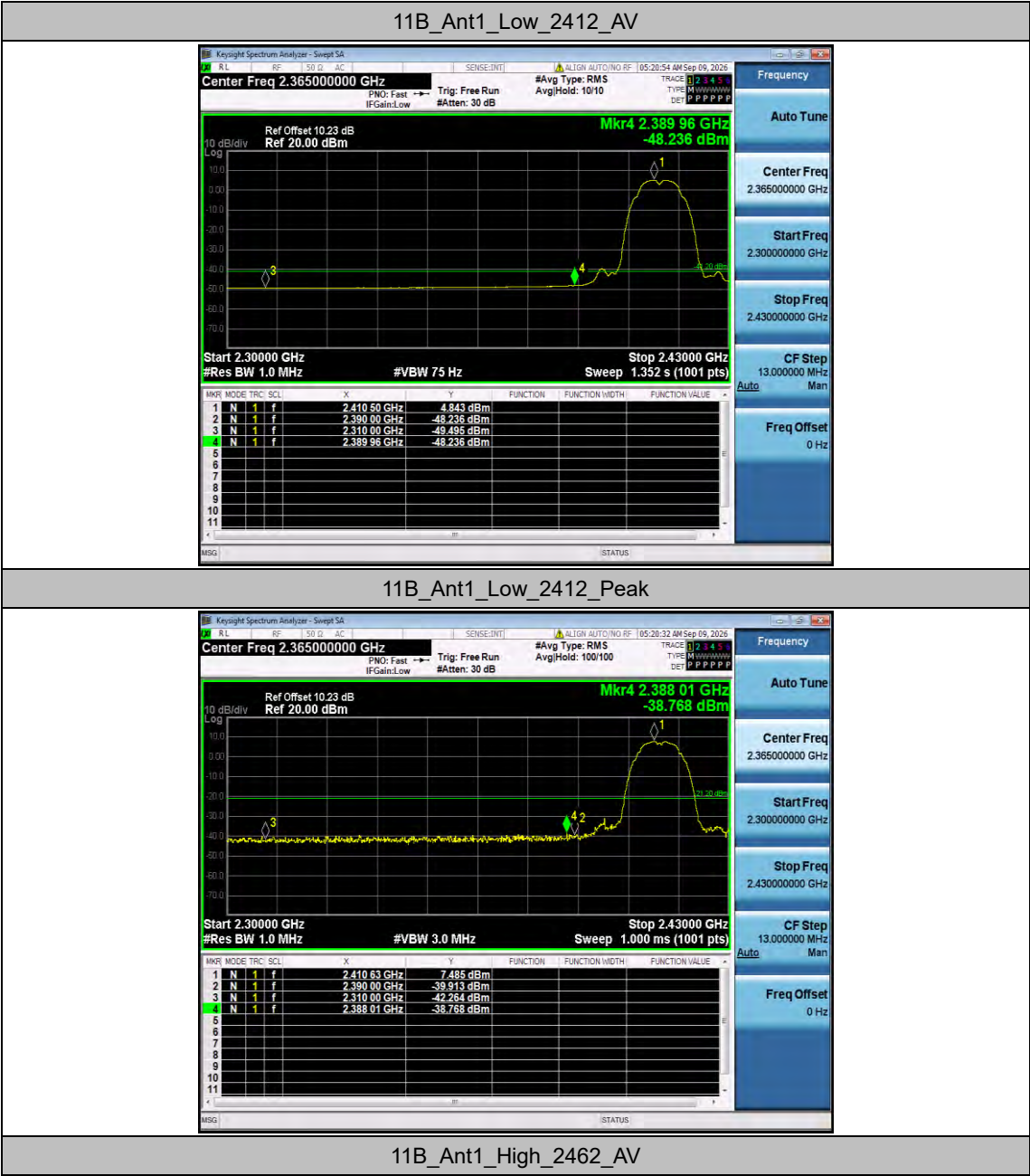
TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-49.5	≤-41.20	45.70	≤54	PASS
				AV	2389.960	-48.24	≤-41.20	46.96	≤54	PASS
				AV	2390.000	-48.24	≤-41.20	46.96	≤54	PASS
				Peak	2310.000	-42.26	≤-21.20	52.94	≤74	PASS
				Peak	2388.010	-38.77	≤-21.20	56.43	≤74	PASS
				Peak	2390.000	-39.91	≤-21.20	55.29	≤74	PASS
		High	2462	AV	2483.500	-47.82	≤-41.20	47.38	≤54	PASS
				AV	2483.890	-47.81	≤-41.20	47.39	≤54	PASS
				AV	2500.000	-48.41	≤-41.20	46.79	≤54	PASS
				Peak	2483.500	-39.8	≤-21.20	55.40	≤74	PASS
				Peak	2485.100	-38.39	≤-21.20	56.81	≤74	PASS
				Peak	2500.000	-41.65	≤-21.20	53.55	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.54	≤-41.20	45.66	≤54	PASS
				AV	2389.570	-47.85	≤-41.20	47.35	≤54	PASS
				AV	2390.000	-47.99	≤-41.20	47.21	≤54	PASS
				Peak	2310.000	-42.51	≤-21.20	52.69	≤74	PASS
				Peak	2389.960	-39.21	≤-21.20	55.99	≤74	PASS
				Peak	2390.000	-39.21	≤-21.20	55.99	≤74	PASS
		High	2462	AV	2483.500	-47.36	≤-41.20	47.84	≤54	PASS
				AV	2483.890	-47.18	≤-41.20	48.02	≤54	PASS
				AV	2500.000	-48.39	≤-41.20	46.81	≤54	PASS
				Peak	2483.500	-40.85	≤-21.20	54.35	≤74	PASS
				Peak	2486.640	-37.44	≤-21.20	57.76	≤74	PASS
				Peak	2500.000	-42.19	≤-21.20	53.01	≤74	PASS
11N20SISO	Ant1	Low	2412	AV	2310.000	-49.55	≤-41.20	45.65	≤54	PASS
				AV	2389.310	-47.64	≤-41.20	47.56	≤54	PASS
				AV	2390.000	-47.84	≤-41.20	47.36	≤54	PASS
				Peak	2310.000	-43.25	≤-21.20	51.95	≤74	PASS
				Peak	2379.690	-38.01	≤-21.20	57.19	≤74	PASS
				Peak	2390.000	-38.51	≤-21.20	56.69	≤74	PASS
		High	2462	AV	2483.500	-47.04	≤-41.20	48.16	≤54	PASS
				AV	2483.670	-47.02	≤-41.20	48.18	≤54	PASS
				AV	2500.000	-48.36	≤-41.20	46.84	≤54	PASS
				Peak	2483.500	-40.64	≤-21.20	54.56	≤74	PASS
				Peak	2485.320	-38.18	≤-21.20	57.02	≤74	PASS
				Peak	2500.000	-41.72	≤-21.20	53.48	≤74	PASS

11N40SISO	Ant1	Low	2422	AV	2310.000	-49.3	≤ -41.20	45.90	≤ 54	PASS
				AV	2389.550	-46.84	≤ -41.20	48.36	≤ 54	PASS
				AV	2390.000	-46.85	≤ -41.20	48.35	≤ 54	PASS
				Peak	2310.000	-43.89	≤ -21.20	51.31	≤ 74	PASS
				Peak	2388.350	-37.17	≤ -21.20	58.03	≤ 74	PASS
				Peak	2390.000	-41.1	≤ -21.20	54.10	≤ 74	PASS
		High	2452	AV	2483.500	-46.72	≤ -41.20	48.48	≤ 54	PASS
				AV	2486.375	-46.74	≤ -41.20	48.46	≤ 54	PASS
				AV	2500.000	-48.16	≤ -41.20	47.04	≤ 54	PASS
				Peak	2483.500	-40.14	≤ -21.20	55.06	≤ 74	PASS
				Peak	2486.625	-37.83	≤ -21.20	57.37	≤ 74	PASS
				Peak	2500.000	-41.21	≤ -21.20	53.99	≤ 74	PASS
11AX20SISO	Ant1	Low	2412	AV	2310.000	-49.62	≤ -41.20	45.58	≤ 54	PASS
				AV	2389.830	-48.07	≤ -41.20	47.13	≤ 54	PASS
				AV	2390.000	-48.09	≤ -41.20	47.11	≤ 54	PASS
				Peak	2310.000	-42.01	≤ -21.20	53.19	≤ 74	PASS
				Peak	2389.440	-38.87	≤ -21.20	56.33	≤ 74	PASS
				Peak	2390.000	-40.92	≤ -21.20	54.28	≤ 74	PASS
		High	2462	AV	2483.500	-47.45	≤ -41.20	47.75	≤ 54	PASS
				AV	2483.670	-47.43	≤ -41.20	47.77	≤ 54	PASS
				AV	2500.000	-48.58	≤ -41.20	46.62	≤ 54	PASS
				Peak	2483.500	-41.74	≤ -21.20	53.46	≤ 74	PASS
				Peak	2486.310	-38.02	≤ -21.20	57.18	≤ 74	PASS
				Peak	2500.000	-41.87	≤ -21.20	53.33	≤ 74	PASS
11AX40SISO	Ant1	Low	2422	AV	2310.000	-49.54	≤ -41.20	45.66	≤ 54	PASS
				AV	2389.850	-47.39	≤ -41.20	47.81	≤ 54	PASS
				AV	2390.000	-47.31	≤ -41.20	47.89	≤ 54	PASS
				Peak	2310.000	-41.19	≤ -21.20	54.01	≤ 74	PASS
				Peak	2389.100	-38.43	≤ -21.20	56.77	≤ 74	PASS
				Peak	2390.000	-40.59	≤ -21.20	54.61	≤ 74	PASS
		High	2452	AV	2483.500	-47.02	≤ -41.20	48.18	≤ 54	PASS
				AV	2483.750	-47.01	≤ -41.20	48.19	≤ 54	PASS
				AV	2500.000	-48.45	≤ -41.20	46.75	≤ 54	PASS
				Peak	2483.500	-38.91	≤ -21.20	56.29	≤ 74	PASS
				Peak	2484.625	-37.19	≤ -21.20	58.01	≤ 74	PASS
				Peak	2500.000	-39.03	≤ -21.20	56.17	≤ 74	PASS

Note:

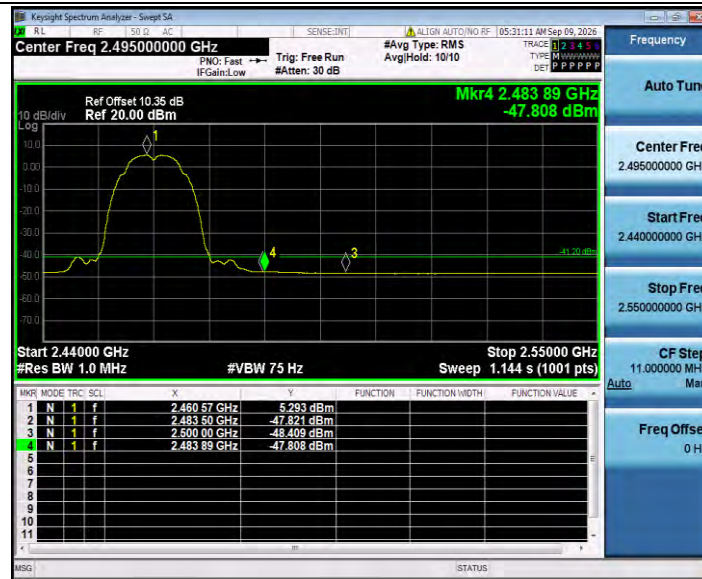
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

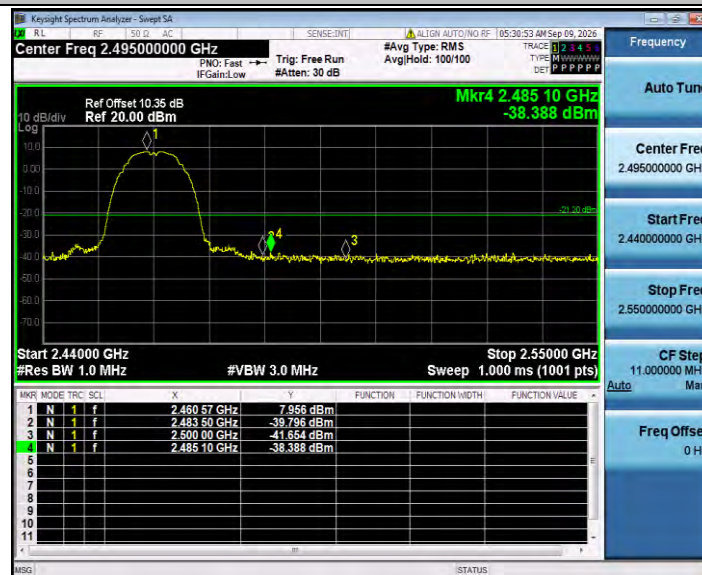


11B_Ant1_Low_2412_Peak

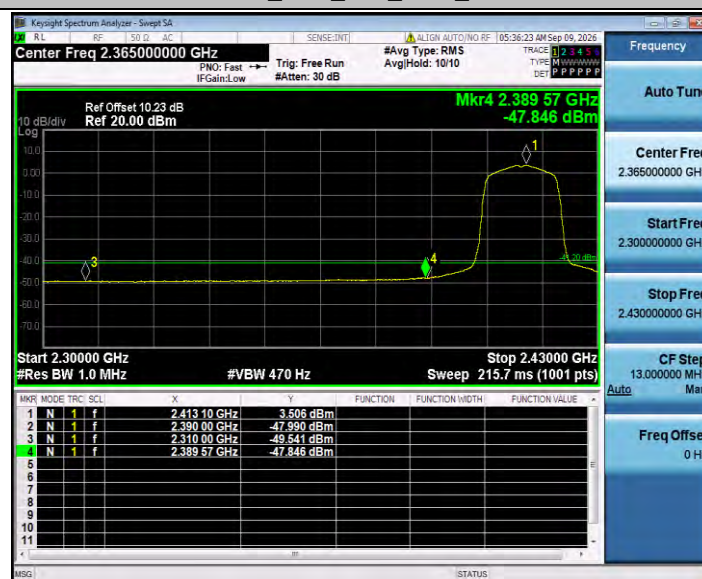
11B_Ant1_High_2462_AV

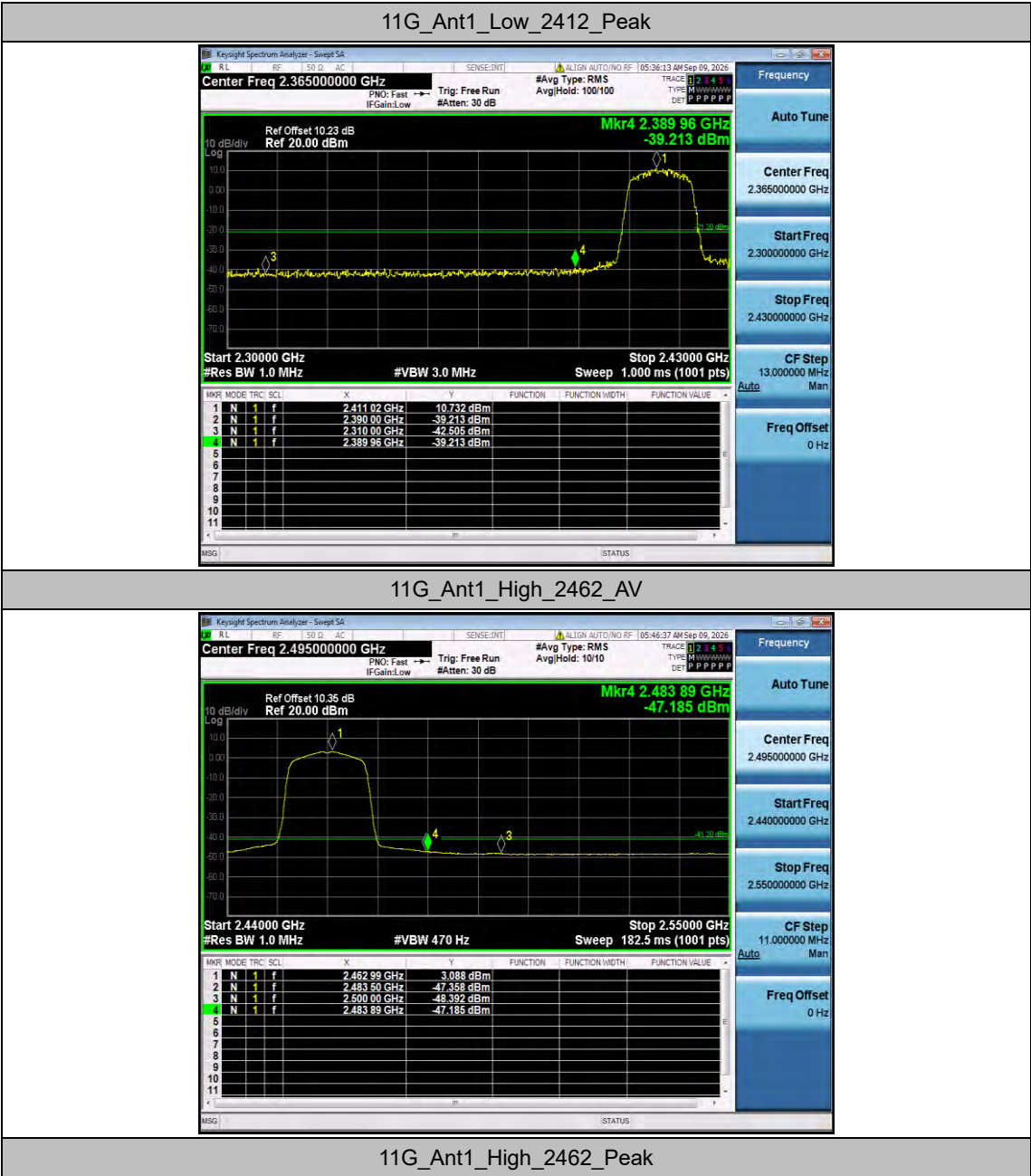


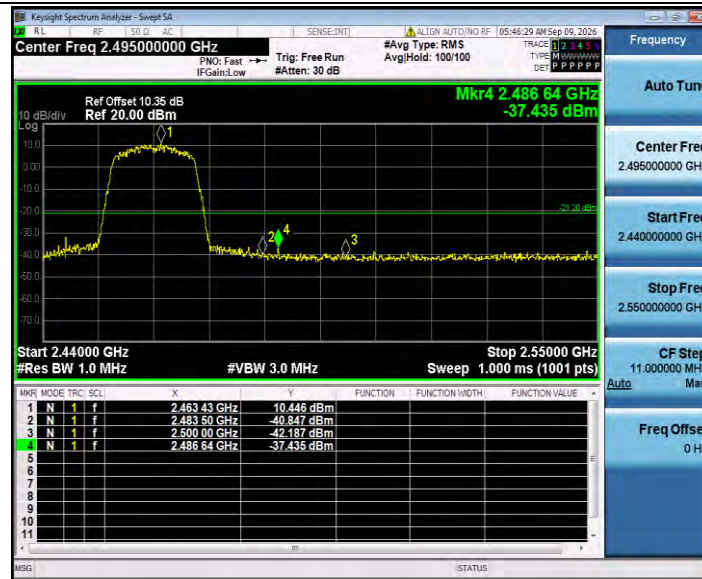
11B_Ant1_High_2462_Peak



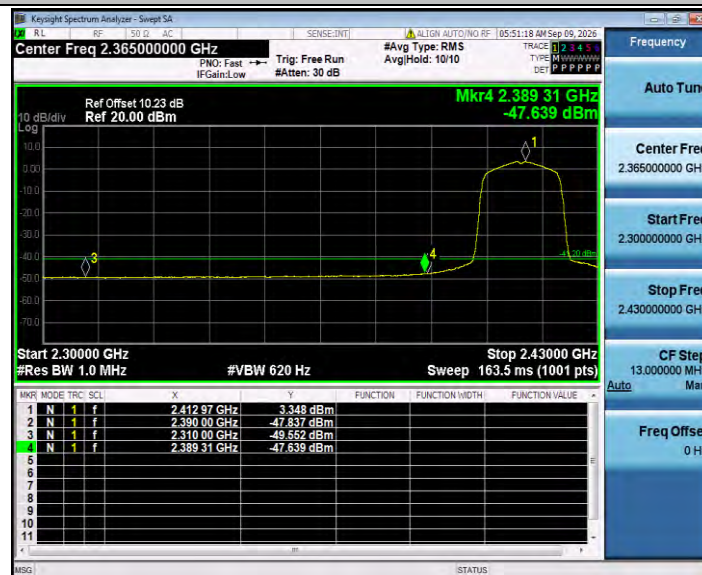
11G_Ant1_Low_2412_AV



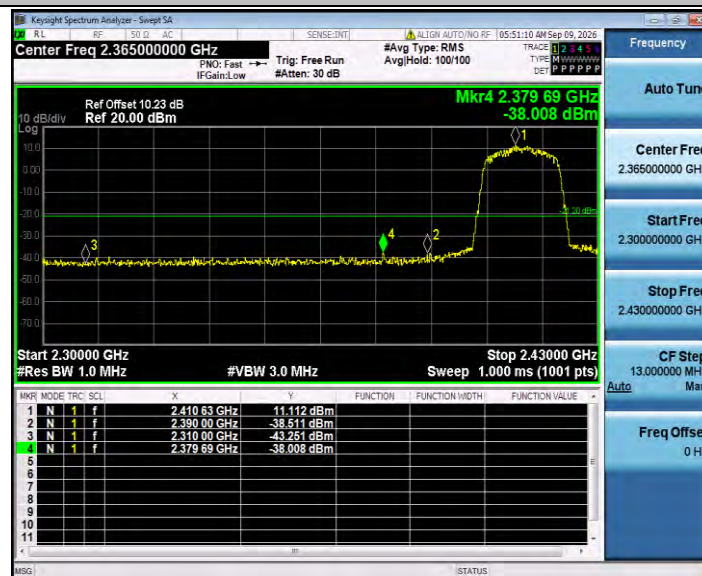


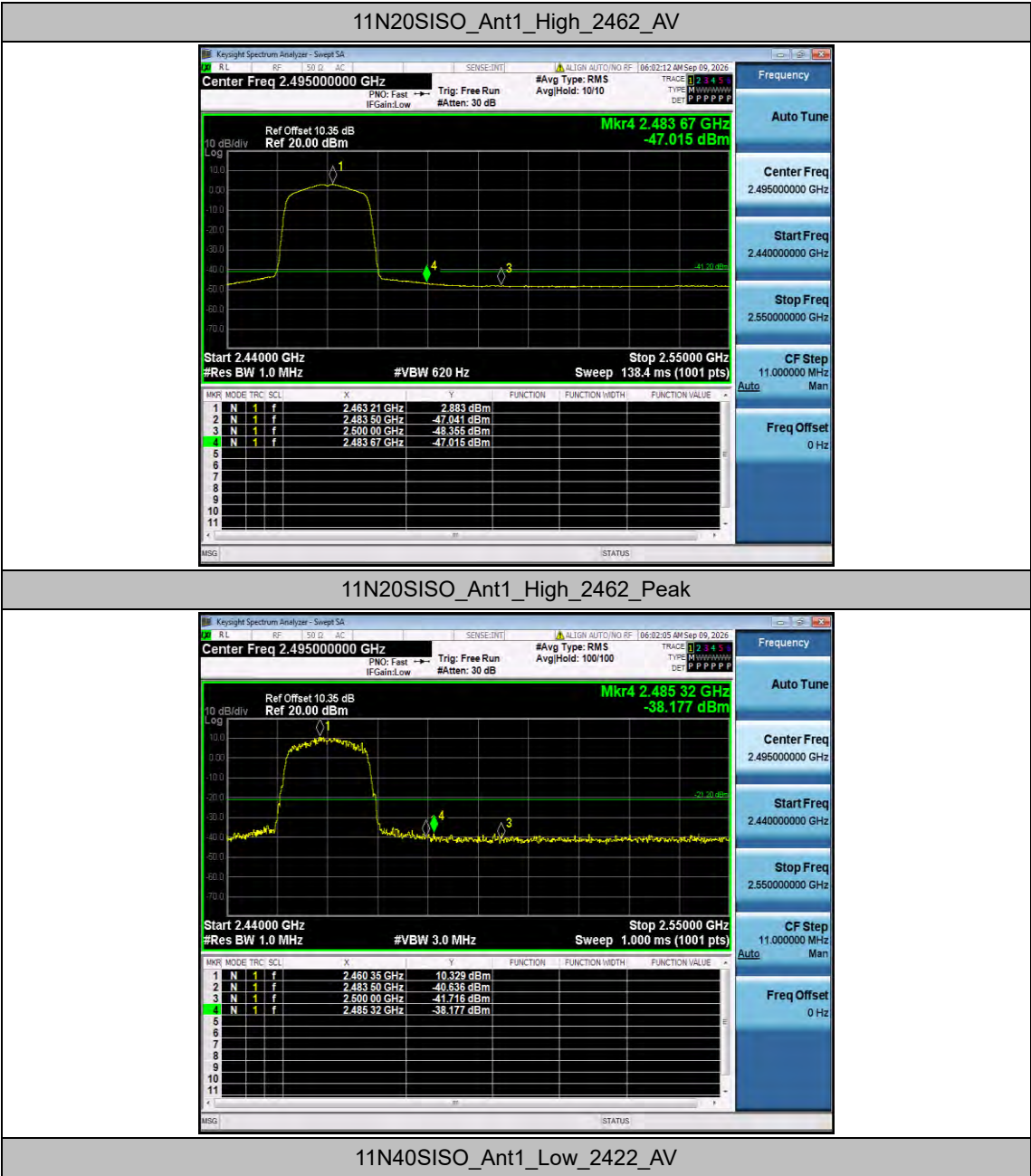


11N20SISO_Ant1_Low_2412_AV



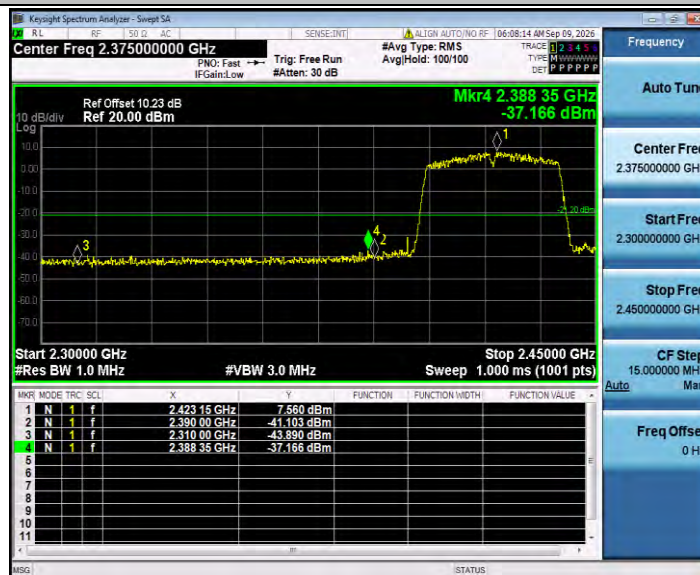
11N20SISO_Ant1_Low_2412_Peak



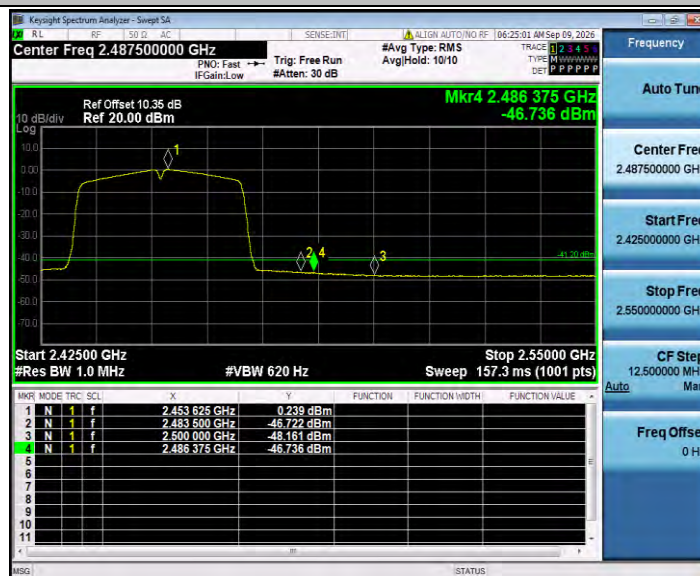




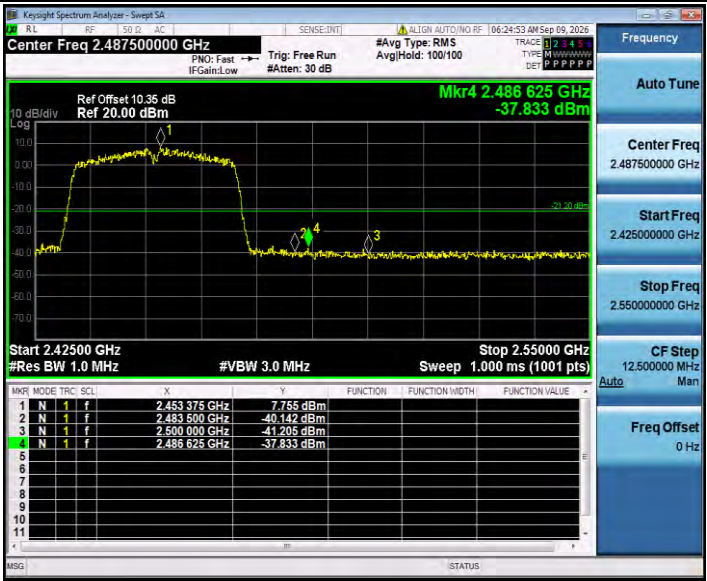
11N40SISO_Ant1_Low_2422_Peak



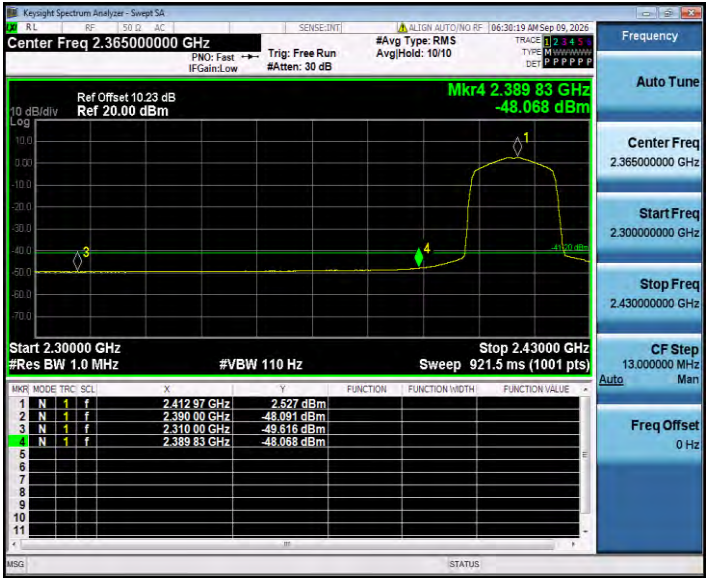
11N40SISO_Ant1_High_2452_AV



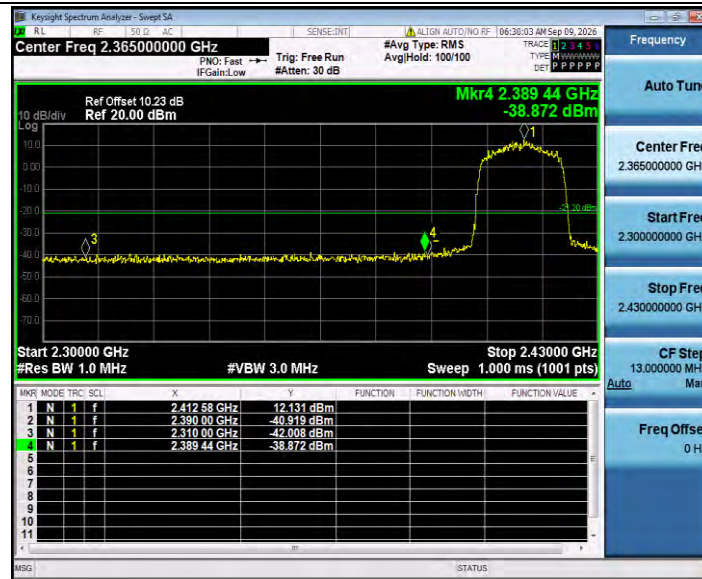
11N40SISO_Ant1_High_2452_Peak



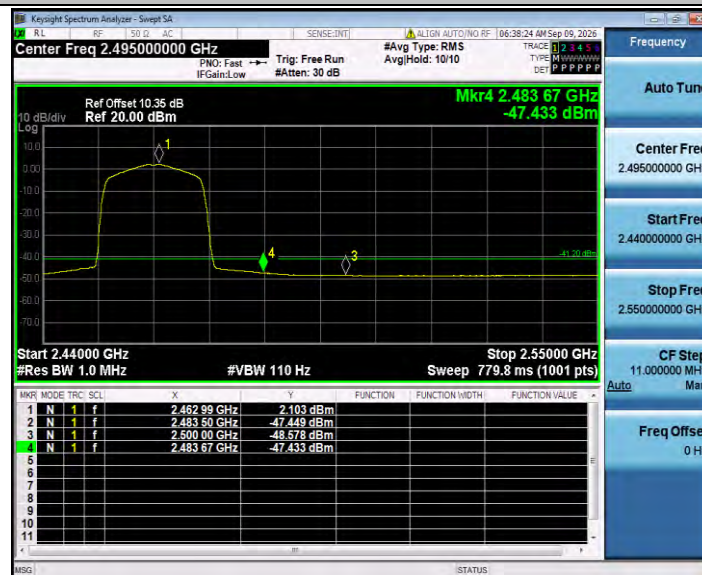
11AX20SISO_Ant1_Low_2412_AV



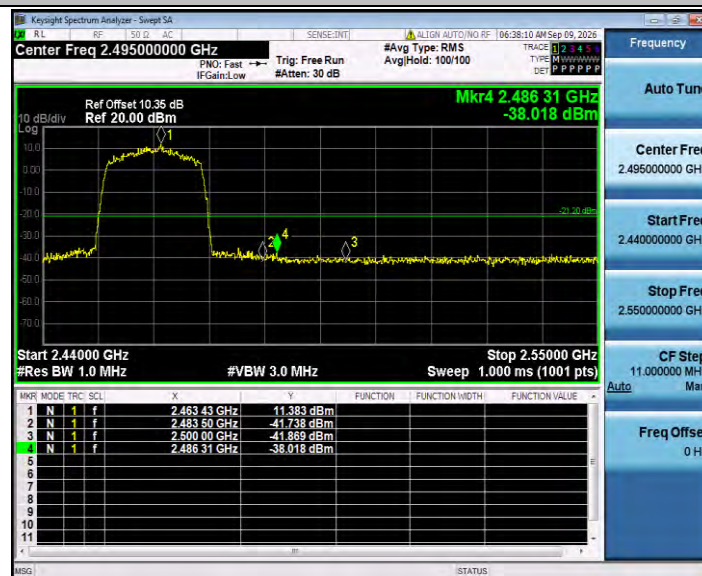
11AX20SISO_Ant1_Low_2412_Peak



11AX20SISO_Ant1_High_2462_AV



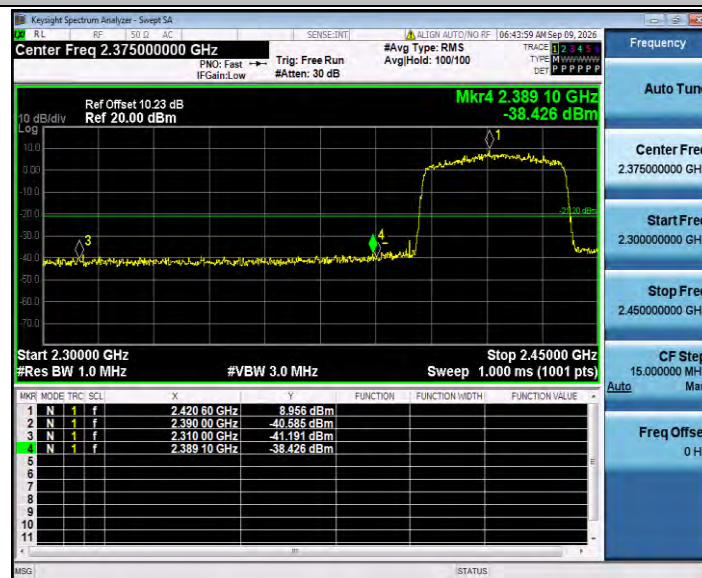
11AX20SISO_Ant1_High_2462_Peak



11AX40SISO_Ant1_Low_2422_AV



11AX40SISO_Ant1_Low_2422_Peak



11AX40SISO_Ant1_High_2452_AV

