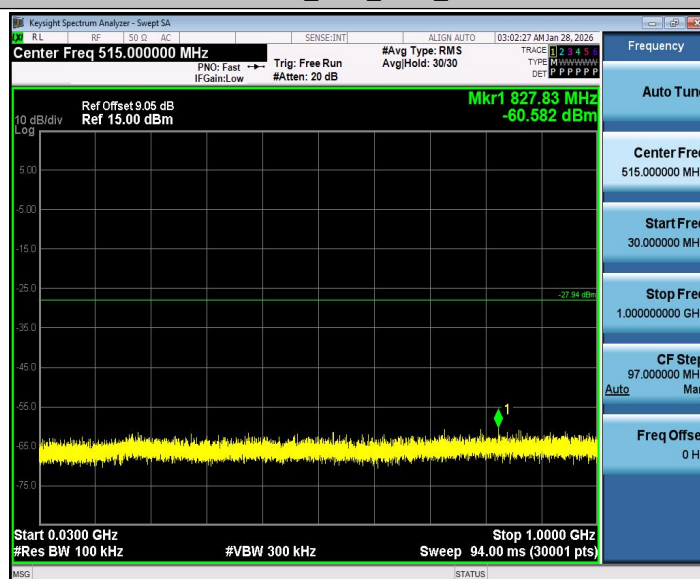


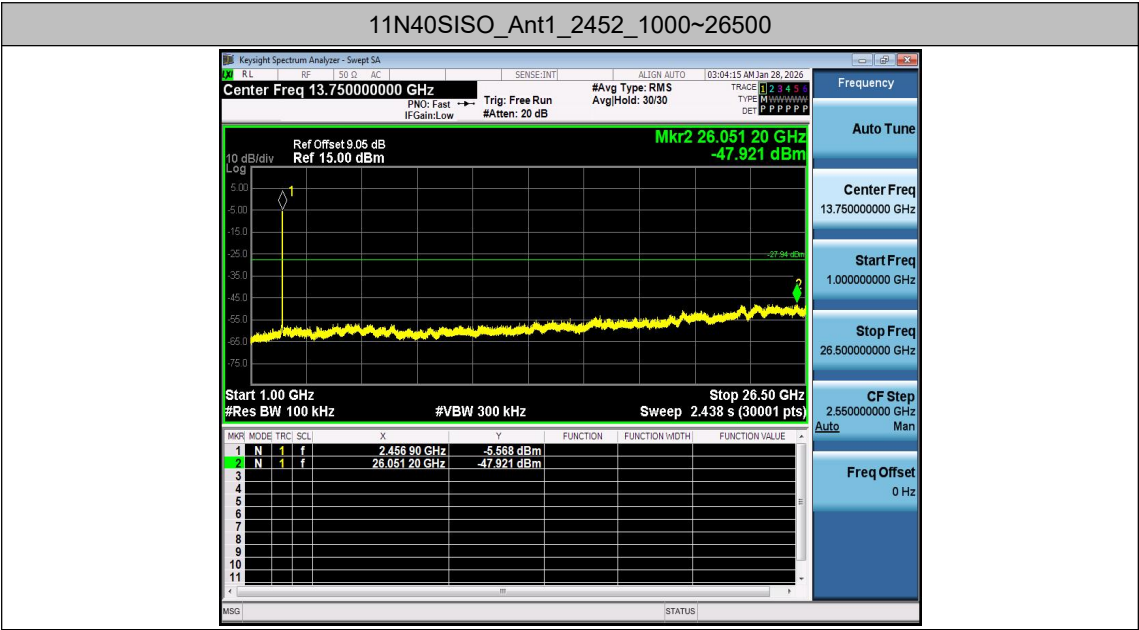


11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



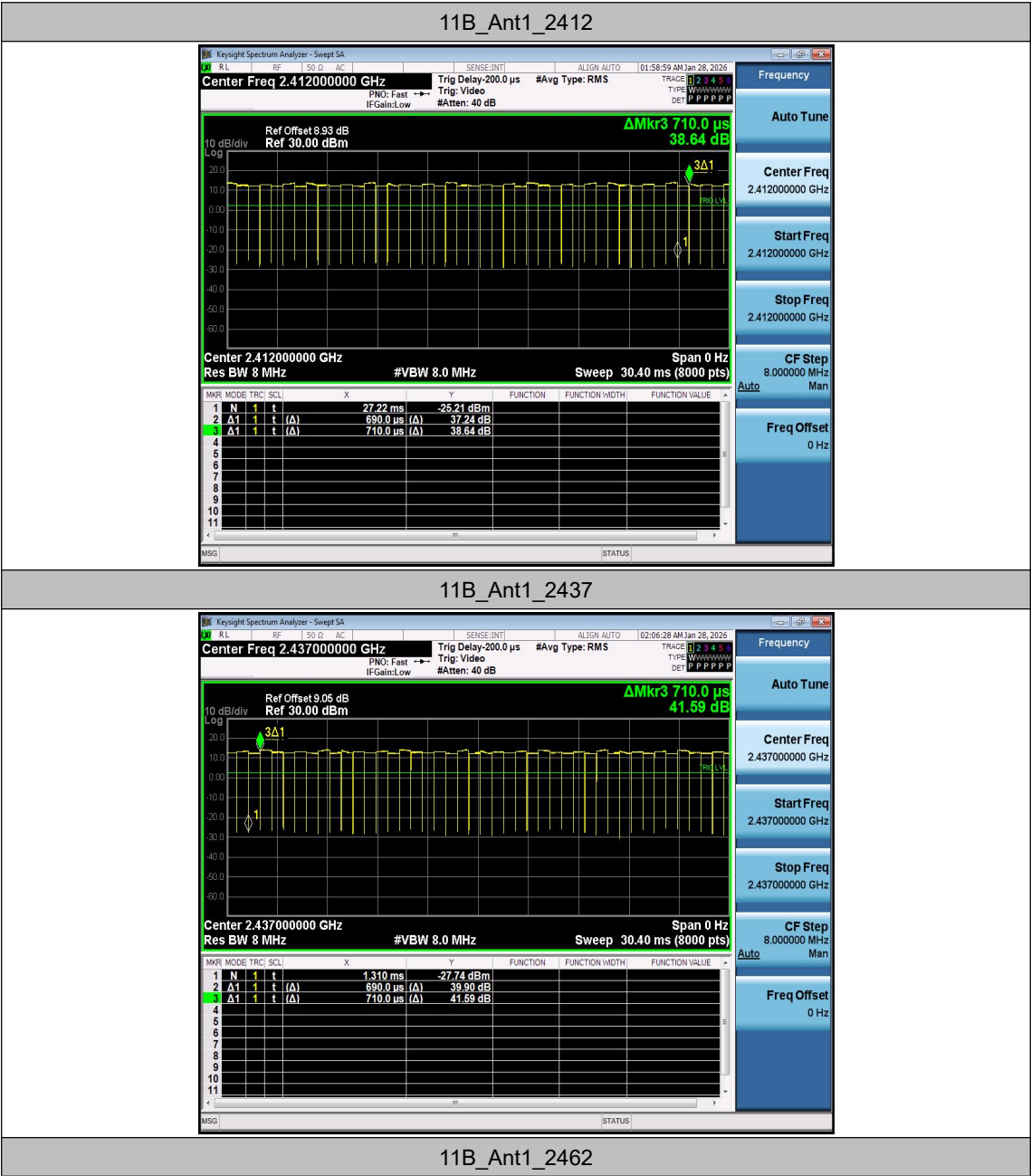


Appendix 7: Duty Cycle

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	0.69	0.71	97.18	0.12	1.45
		2437	0.69	0.71	97.18	0.12	1.45
		2462	0.68	0.70	97.14	0.13	1.47
11G	Ant1	2412	2.10	2.12	99.06	0.04	0.48
		2437	2.09	2.11	99.05	0.04	0.48
		2462	2.09	2.11	99.05	0.04	0.48
11N20SISO	Ant1	2412	5.43	5.44	99.82	0.01	0.18
		2437	5.43	5.45	99.63	0.02	0.18
		2462	5.43	5.44	99.82	0.01	0.18
11N40SISO	Ant1	2422	5.43	5.45	99.63	0.02	0.18
		2437	5.43	5.44	99.82	0.01	0.18
		2452	5.43	5.45	99.63	0.02	0.18

Test Graphs



11B_Ant1_2437

Keysight Spectrum Analyzer - Swept SA

RF: 150.0 AC

SENSE:INT

ALIGN: AUTO

02:06:28 AM Jan 28, 2026

Center Freq 2.437000000 GHz

Trig Delay: 200.0 μ s

#Avg Type: RMS

TRIGGER: PNO: Fast IFGain: Low

Trig: Video

#Atten: 40 dB

TRACE 1 2 3 4 5

TYPE W W W W W W W W

DET P P P P P P P P

Ref Offset 9.05 dB

Ref 30.00 dBm

Δ Mkr3 710.0 μ s

41.59 dB

3 Δ 1

1

Center 2.437000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 30.40 ms (8000 pts)

Span 0 Hz

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION (WIDTH)	FUNCTION VALUE
1	N	1	t	1.310 ms	-27.74 dBm			
2	Δ 1	1	t	690.0 μ s (Δ)	39.90 dB			
3	Δ 1	1	t	710.0 μ s (Δ)	41.59 dB			
4								
5								
6								
7								
8								
9								
10								
11								

MSG

STATUS

Frequency

Auto Tune

Center Freq 2.437000000 GHz

Start Freq 2.437000000 GHz

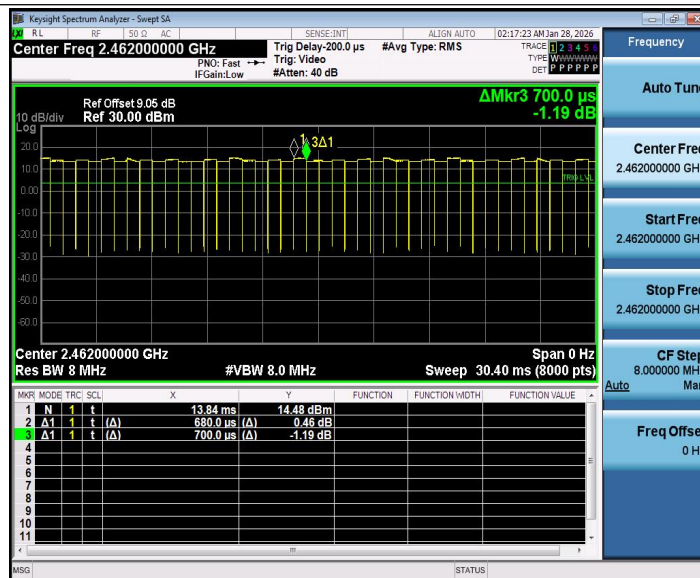
Stop Freq 2.437000000 GHz

CF Step 8.000000 MHz

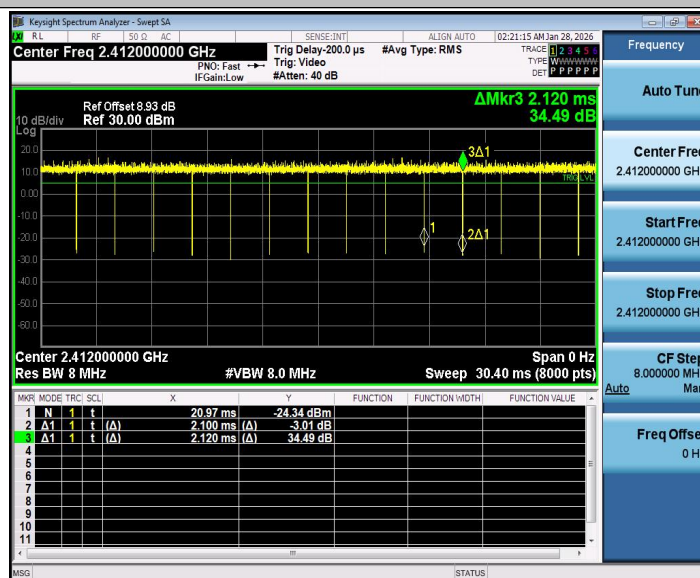
Man

Freq Offset 0 Hz

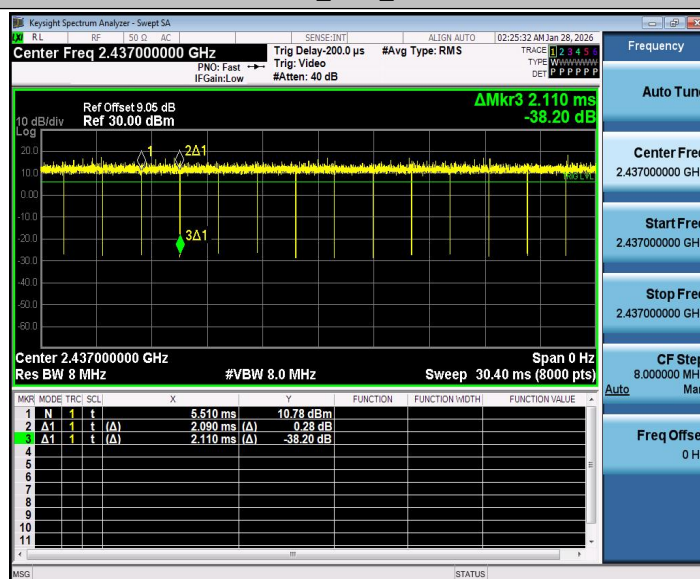
11B_Ant1_2462



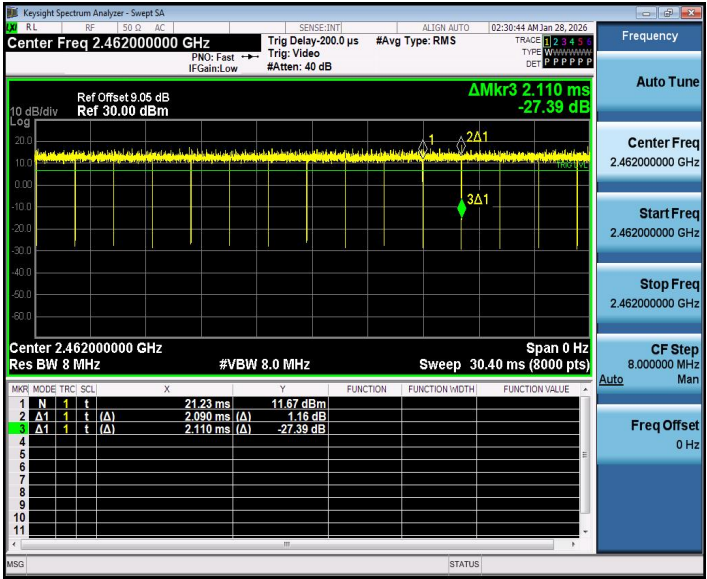
11G_Ant1_2412



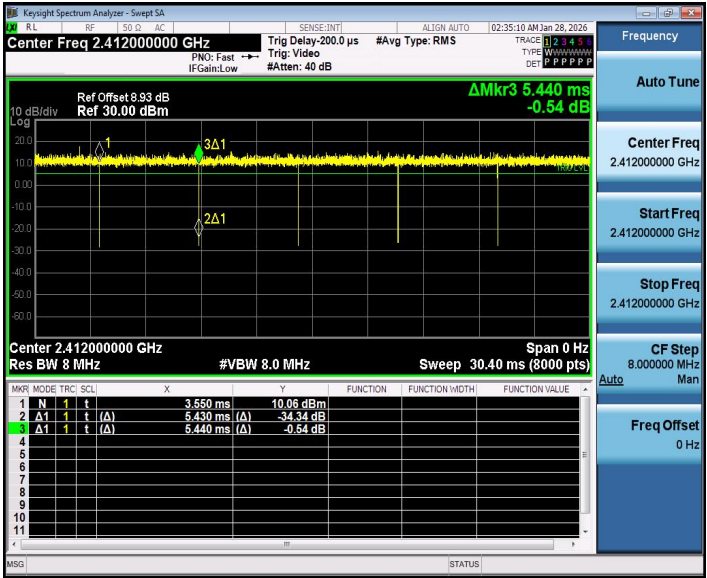
11G_Ant1_2437



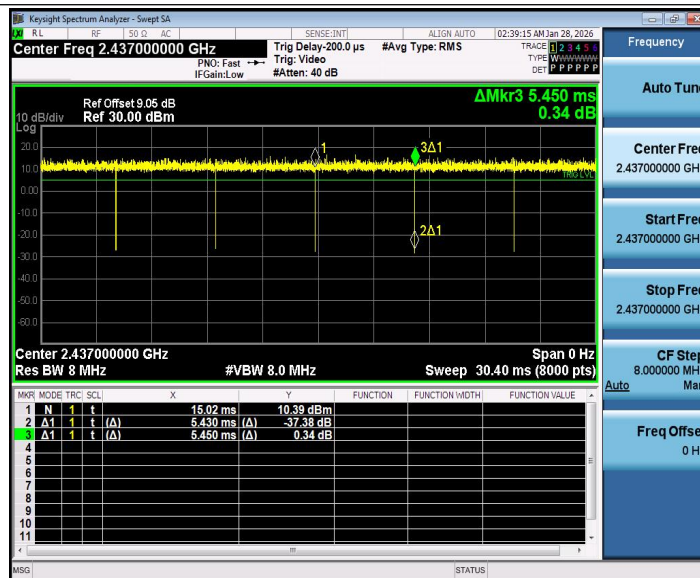
11G_Ant1_2462



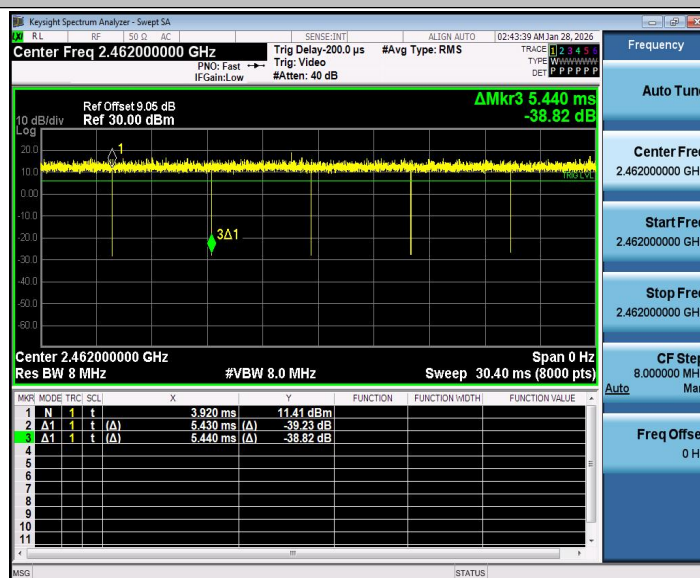
11N20SISO_Ant1_2412



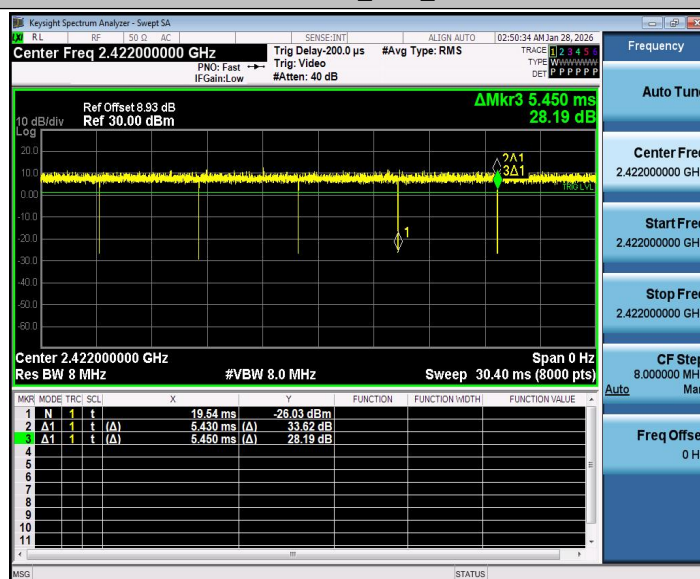
11N20SISO_Ant1_2437

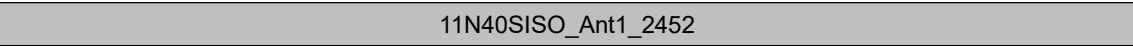


11N20SISO_Ant1_2462



11N40SISO_Ant1_2422





Appendix A.8: Emissions in Restricted Bands

Test Result

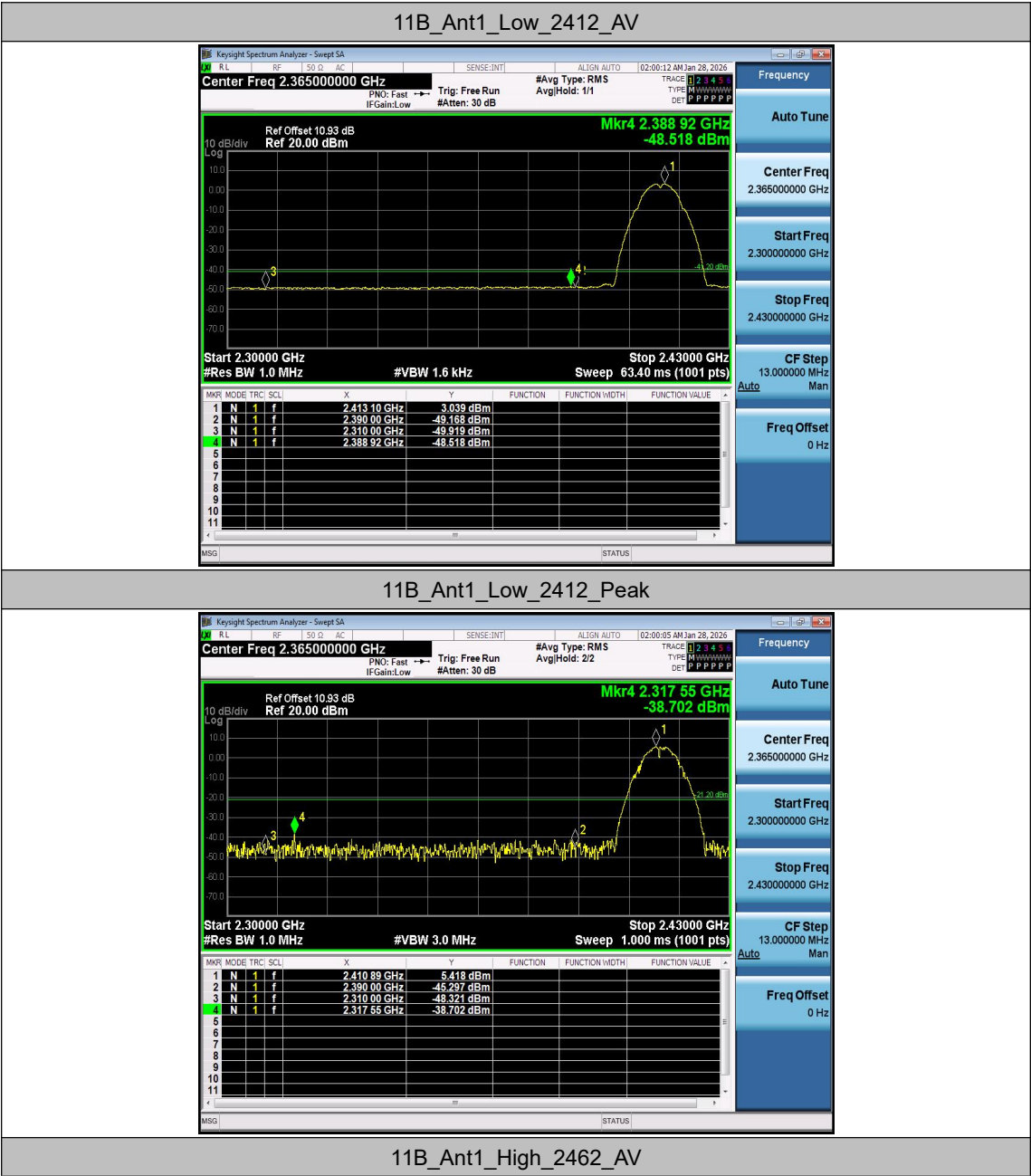
TestMode	Antenna	ChName	Frequenc y[MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-49.92	≤-41.20	45.28	≤54	PASS
				AV	2388.920	-48.52	≤-41.20	46.68	≤54	PASS
				AV	2390.000	-49.17	≤-41.20	46.03	≤54	PASS
				Peak	2310.000	-48.32	≤-21.20	46.88	≤74	PASS
				Peak	2317.550	-38.7	≤-21.20	56.50	≤74	PASS
				Peak	2390.000	-45.3	≤-21.20	49.90	≤74	PASS
		High	2462	AV	2483.500	-48.88	≤-41.20	46.32	≤54	PASS
				AV	2497.860	-48.3	≤-41.20	46.90	≤54	PASS
				AV	2500.000	-48.71	≤-41.20	46.49	≤54	PASS
				Peak	2483.500	-43.74	≤-21.20	51.46	≤74	PASS
				Peak	2484.770	-40.98	≤-21.20	54.22	≤74	PASS
				Peak	2500.000	-46.88	≤-21.20	48.32	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.6	≤-41.20	45.60	≤54	PASS
				AV	2389.960	-49.04	≤-41.20	46.16	≤54	PASS
				AV	2390.000	-49.04	≤-41.20	46.16	≤54	PASS
				Peak	2310.000	-48.97	≤-21.20	46.23	≤74	PASS
				Peak	2359.150	-40.88	≤-21.20	54.32	≤74	PASS
				Peak	2390.000	-52.43	≤-21.20	42.77	≤74	PASS
		High	2462	AV	2483.500	-49.04	≤-41.20	46.16	≤54	PASS
				AV	2499.070	-48.88	≤-41.20	46.32	≤54	PASS
				AV	2500.000	-48.91	≤-41.20	46.29	≤54	PASS
				Peak	2483.500	-42.44	≤-21.20	52.76	≤74	PASS
				Peak	2492.690	-40.68	≤-21.20	54.52	≤74	PASS
				Peak	2500.000	-44.63	≤-21.20	50.57	≤74	PASS
11N20SIS O	Ant1	Low	2412	AV	2310.000	-49.65	≤-41.20	45.55	≤54	PASS
				AV	2389.960	-49.1	≤-41.20	46.10	≤54	PASS
				AV	2390.000	-49.1	≤-41.20	46.10	≤54	PASS
				Peak	2310.000	-46.64	≤-21.20	48.56	≤74	PASS
				Peak	2359.930	-40.97	≤-21.20	54.23	≤74	PASS
				Peak	2390.000	-48.34	≤-21.20	46.86	≤74	PASS
		High	2462	AV	2483.500	-49.05	≤-41.20	46.15	≤54	PASS
				AV	2499.950	-48.88	≤-41.20	46.32	≤54	PASS
				AV	2500.000	-48.88	≤-41.20	46.32	≤54	PASS
				Peak	2483.500	-41.6	≤-21.20	53.60	≤74	PASS
				Peak	2487.080	-40.48	≤-21.20	54.72	≤74	PASS
				Peak	2500.000	-43.98	≤-21.20	51.22	≤74	PASS
11N40SIS	Ant1	Low	2422	AV	2310.000	-49.59	≤-41.20	45.61	≤54	PASS

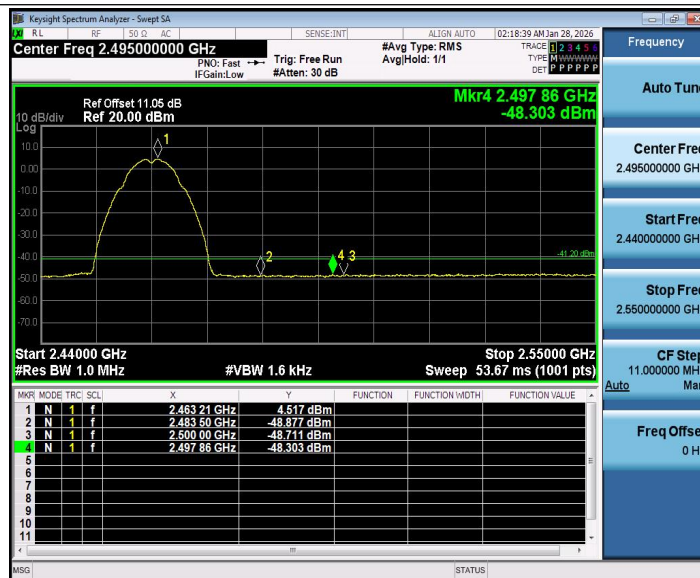
O				AV	2389.700	-49.05	≤ -41.20	46.15	≤ 54	PASS
				AV	2390.000	-49.05	≤ -41.20	46.15	≤ 54	PASS
				Peak	2310.000	-46.75	≤ -21.20	48.45	≤ 74	PASS
				Peak	2376.200	-40.65	≤ -21.20	54.55	≤ 74	PASS
				Peak	2390.000	-40.54	≤ -21.20	54.66	≤ 74	PASS
		High	2452	AV	2483.500	-48.99	≤ -41.20	46.21	≤ 54	PASS
				AV	2499.875	-48.9	≤ -41.20	46.30	≤ 54	PASS
				AV	2500.000	-48.9	≤ -41.20	46.30	≤ 54	PASS
				Peak	2483.500	-46.62	≤ -21.20	48.58	≤ 74	PASS
				Peak	2494.125	-40.31	≤ -21.20	54.89	≤ 74	PASS
				Peak	2500.000	-45.85	≤ -21.20	49.35	≤ 74	PASS

Note:

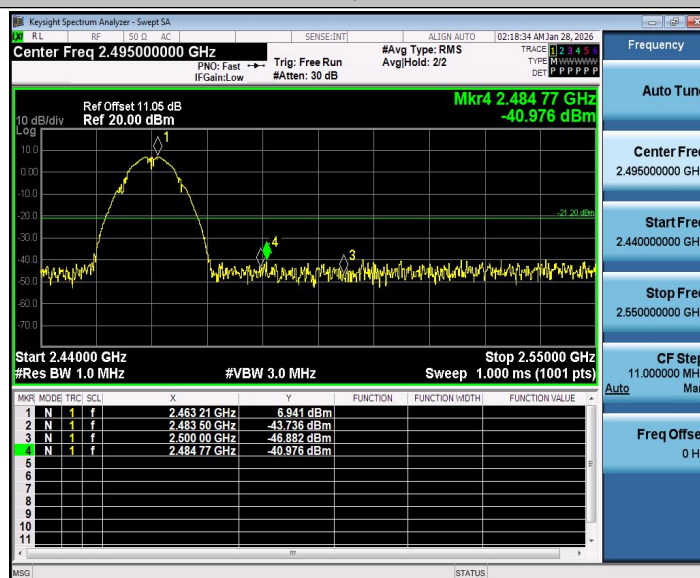
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

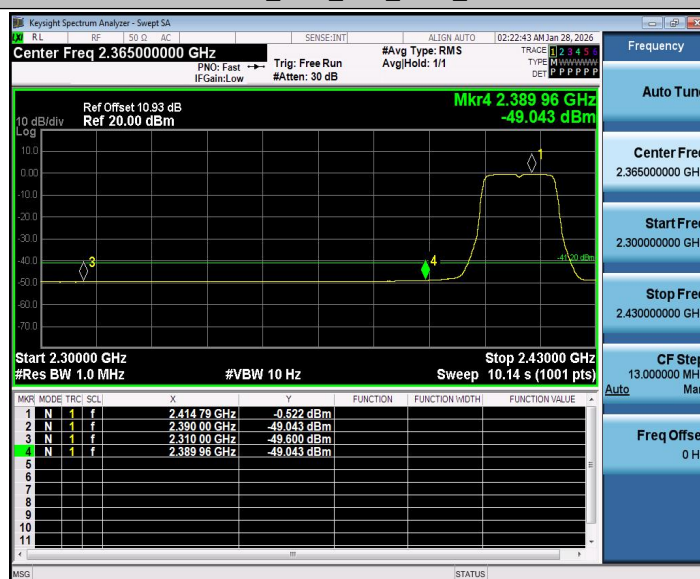


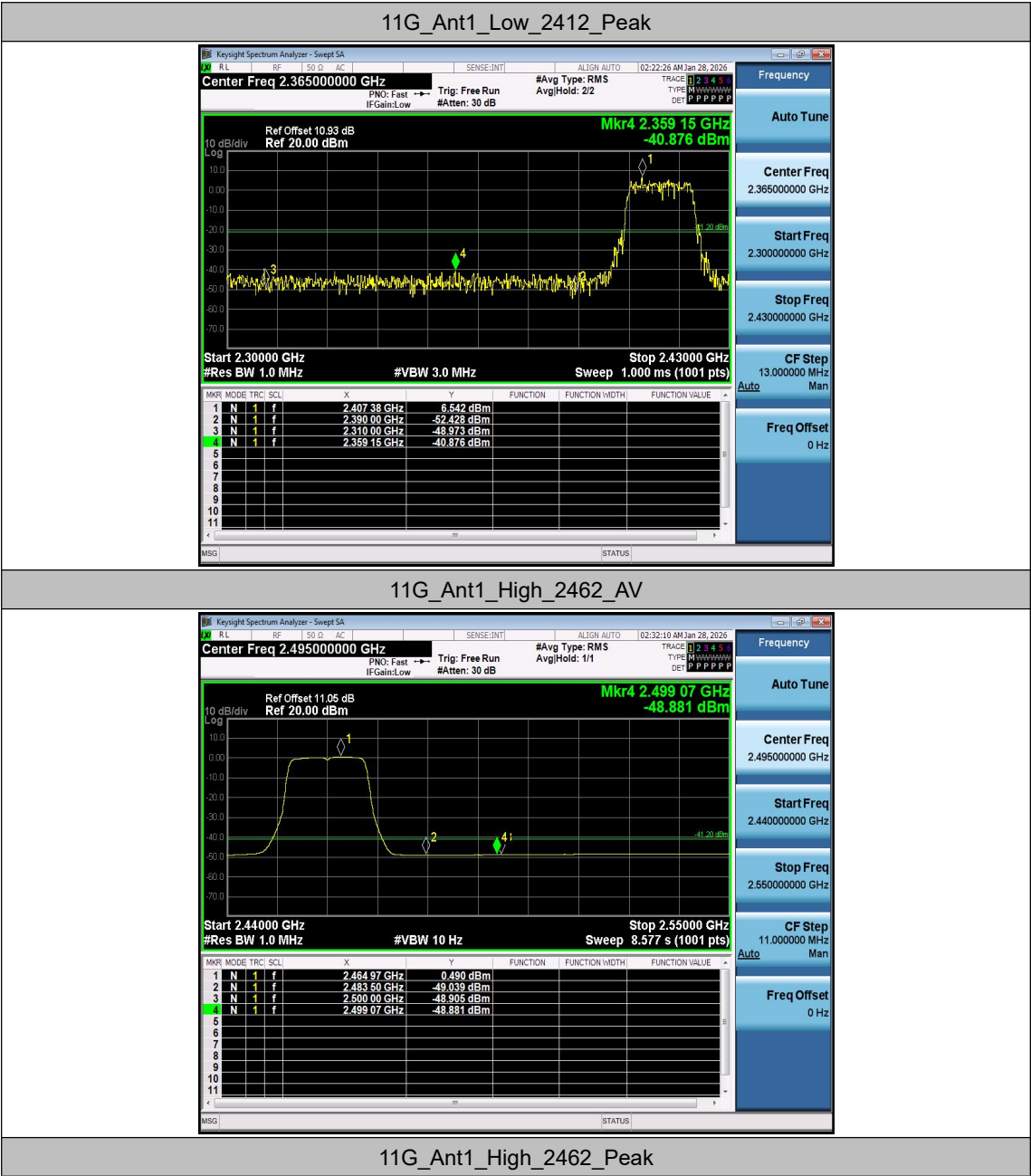


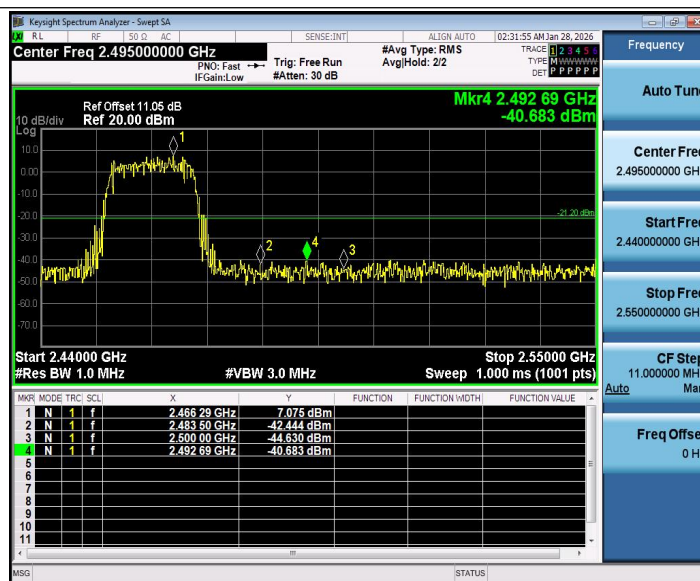
11B_Ant1_High_2462_Peak



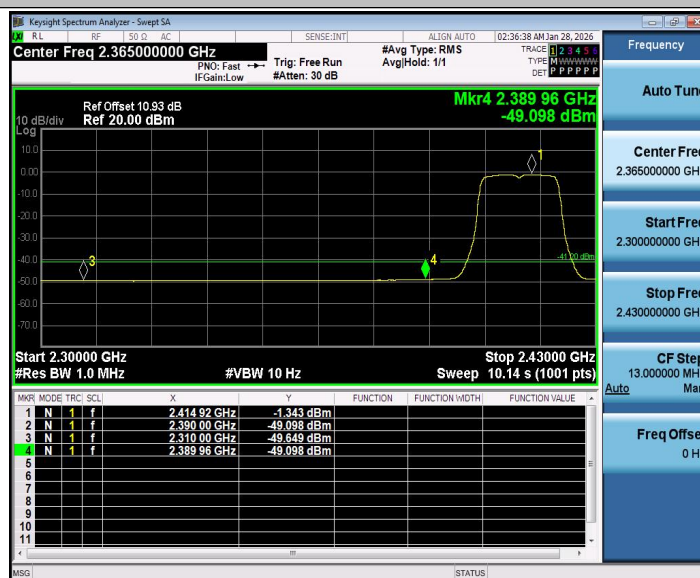
11G_Ant1_Low_2412_AV



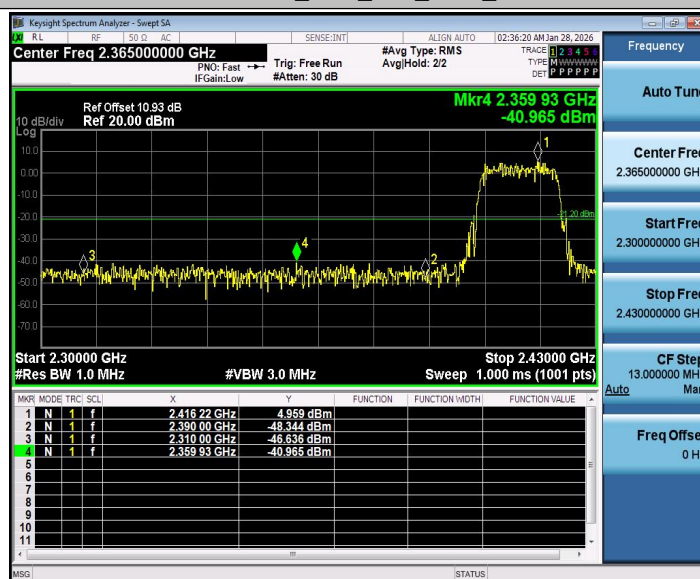




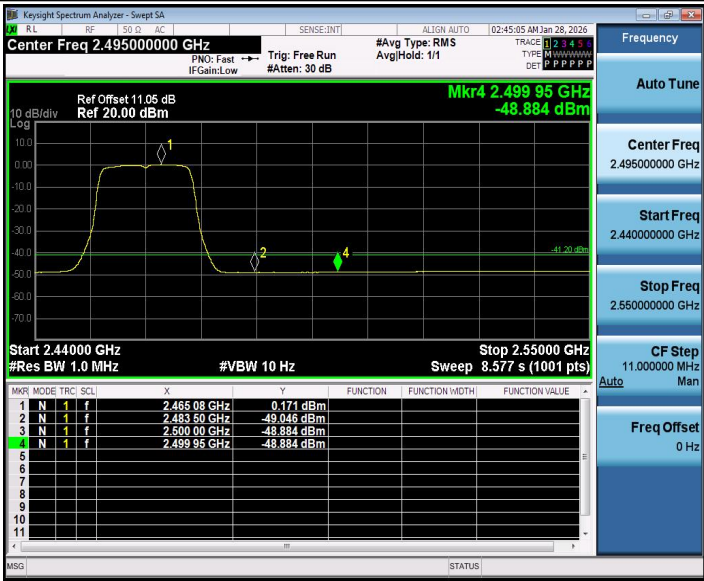
11N20SISO_Ant1_Low_2412_AV



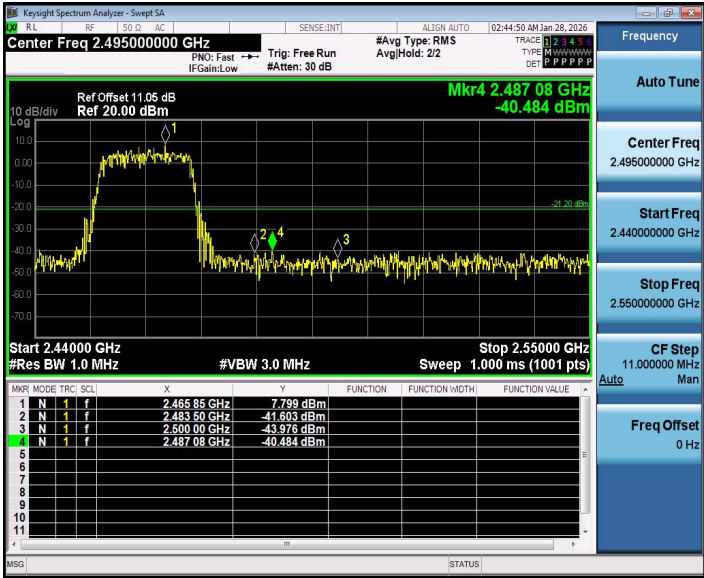
11N20SISO_Ant1_Low_2412_Peak



11N20SISO_Ant1_High_2462_AV



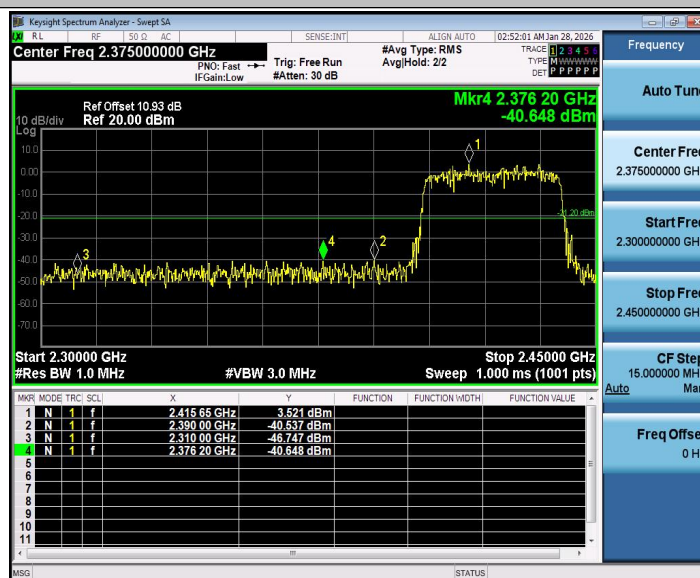
11N20SISO_Ant1_High_2462_Peak



11N40SISO_Ant1_Low_2422_AV



11N40SISO_Ant1_Low_2422_Peak



11N40SISO_Ant1_High_2452_AV

