

Case No. : <u>GTS20260409008-1-02</u>	
Ambient Condition: <u>25</u> °C, <u>56</u> %RH,	
Test Date: <u>2026.4.22-2026.5.20</u>	Test Engineer: <u>Evan ouyang</u>

Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.200	2406.920	2417.120	0.5	PASS
		2437	10.160	2431.920	2442.080	0.5	PASS
		2462	10.160	2456.920	2467.080	0.5	PASS
11G	Ant1	2412	15.680	2404.200	2419.880	0.5	PASS
		2437	15.920	2428.960	2444.880	0.5	PASS
		2462	16.080	2453.960	2470.040	0.5	PASS
11N20SISO	Ant1	2412	17.280	2403.360	2420.640	0.5	PASS
		2437	17.160	2428.440	2445.600	0.5	PASS
		2462	17.080	2453.480	2470.560	0.5	PASS
11N40SISO	Ant1	2422	35.680	2404.160	2439.840	0.5	PASS
		2437	35.920	2419.080	2455.000	0.5	PASS
		2452	35.840	2434.160	2470.000	0.5	PASS

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



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.769	2405.6373	2418.4063	---	---
		2437	12.746	2430.6219	2443.3679	---	---
		2462	12.777	2455.6195	2468.3965	---	---
11G	Ant1	2412	16.803	2403.6584	2420.4614	---	---
		2437	16.753	2428.6351	2445.3881	---	---
		2462	16.713	2453.6423	2470.3553	---	---
11N20SISO	Ant1	2412	17.958	2403.0515	2421.0095	---	---
		2437	17.978	2428.0349	2446.0129	---	---
		2462	17.930	2453.0849	2471.0149	---	---
11N40SISO	Ant1	2422	36.145	2403.9758	2440.1208	---	---
		2437	36.180	2418.9144	2455.0944	---	---
		2452	36.149	2433.9631	2470.1121	---	---

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



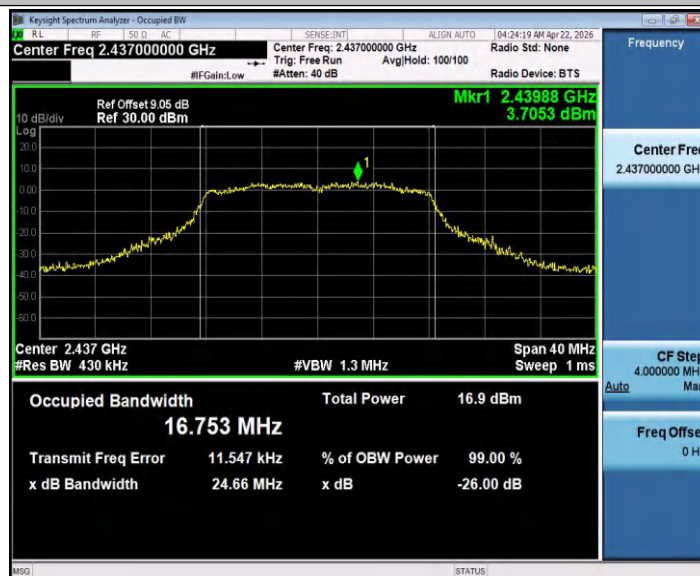
11B_Ant1_2462



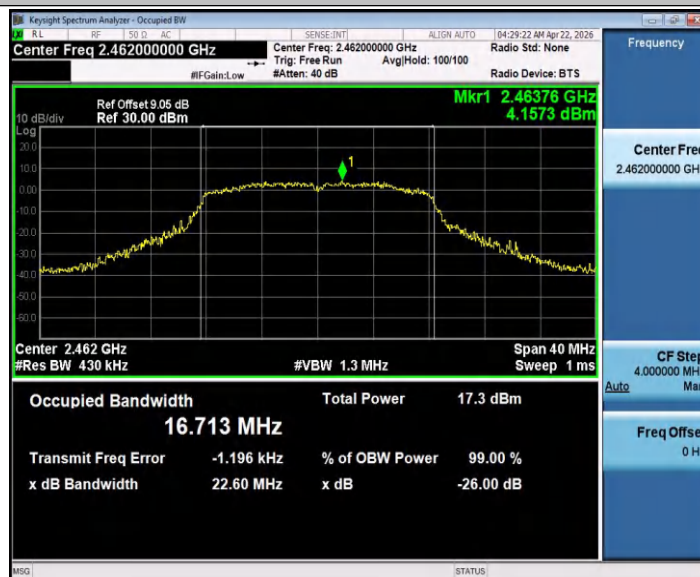
11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



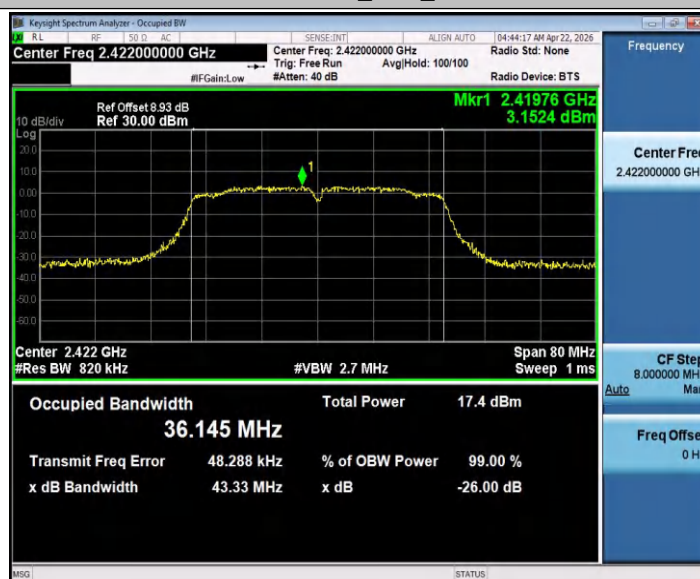
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



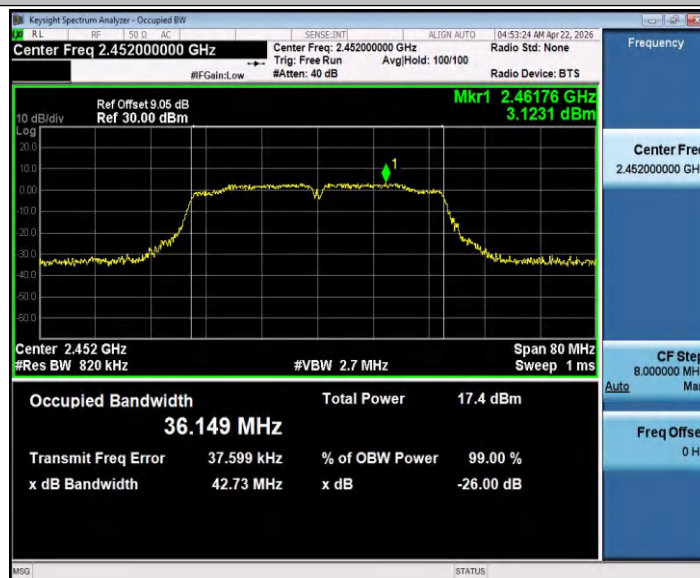
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix B.3: Maximum conducted output power

Test Result -CHP

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.85	≤30.00	PASS
		2437	13.99	≤30.00	PASS
		2462	14.39	≤30.00	PASS
11G	Ant1	2412	17.76	≤30.00	PASS
		2437	18.03	≤30.00	PASS
		2462	18.35	≤30.00	PASS
11N20SISO	Ant1	2412	17.66	≤30.00	PASS
		2437	17.92	≤30.00	PASS
		2462	18.34	≤30.00	PASS
11N40SISO	Ant1	2422	17.75	≤30.00	PASS
		2437	17.48	≤30.00	PASS
		2452	17.62	≤30.00	PASS

Appendix B.4: Maximum power spectral density

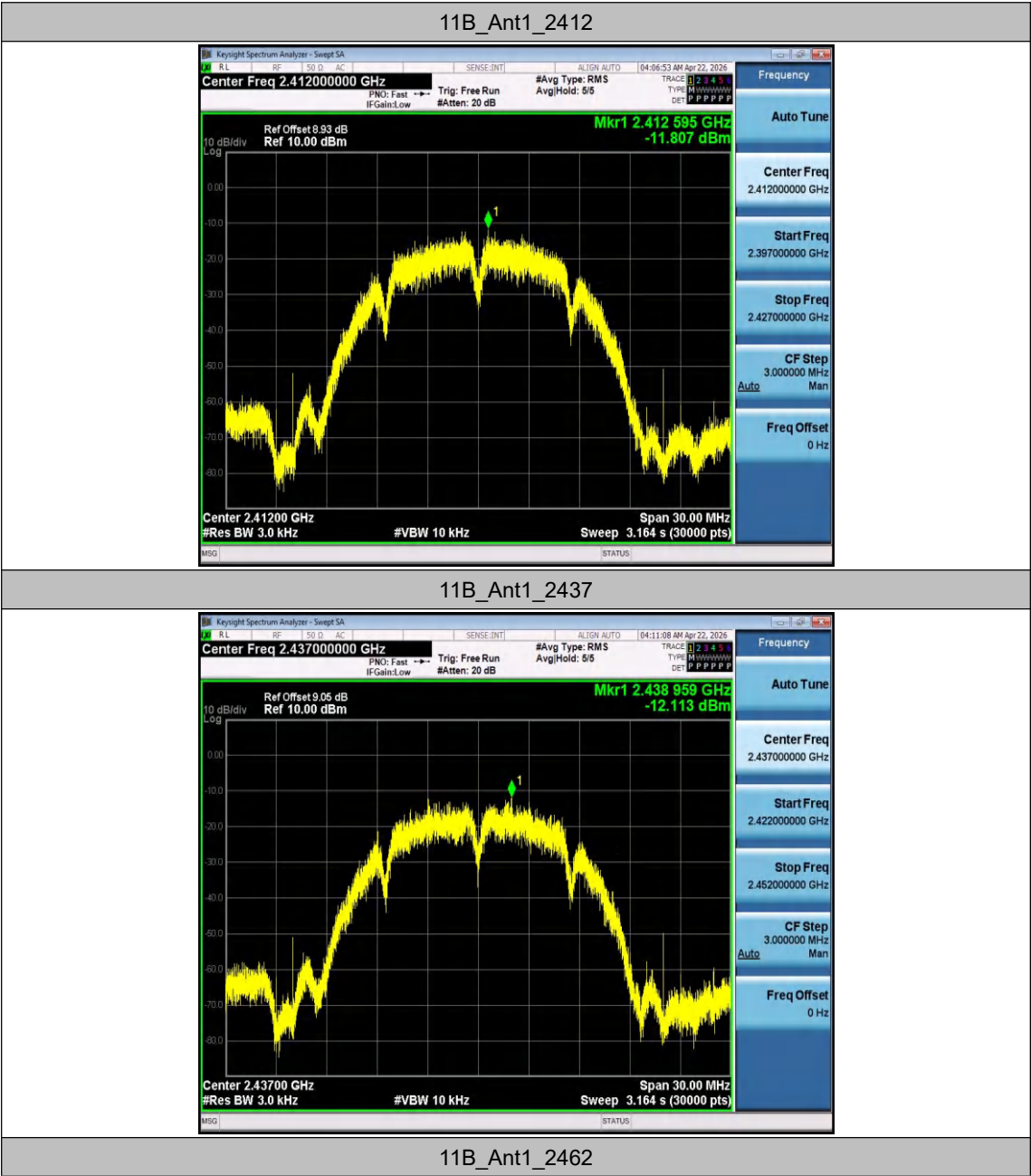
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.81	≤8.00	PASS
		2437	-12.11	≤8.00	PASS
		2462	-10.93	≤8.00	PASS
11G	Ant1	2412	-14.95	≤8.00	PASS
		2437	-14.11	≤8.00	PASS
		2462	-13.29	≤8.00	PASS
11N20SISO	Ant1	2412	-14.91	≤8.00	PASS
		2437	-14.13	≤8.00	PASS
		2462	-13.14	≤8.00	PASS
11N40SISO	Ant1	2422	-16.22	≤8.00	PASS
		2437	-17.99	≤8.00	PASS
		2452	-18.05	≤8.00	PASS

Note:

1. The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

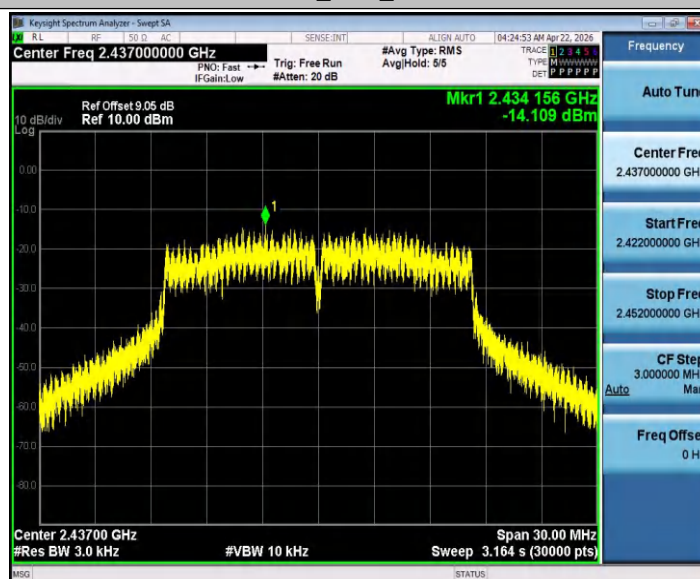




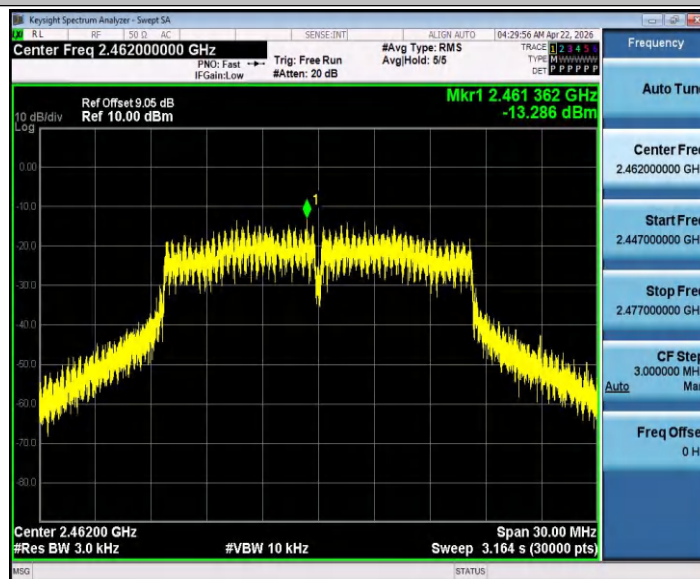
11G_Ant1_2412



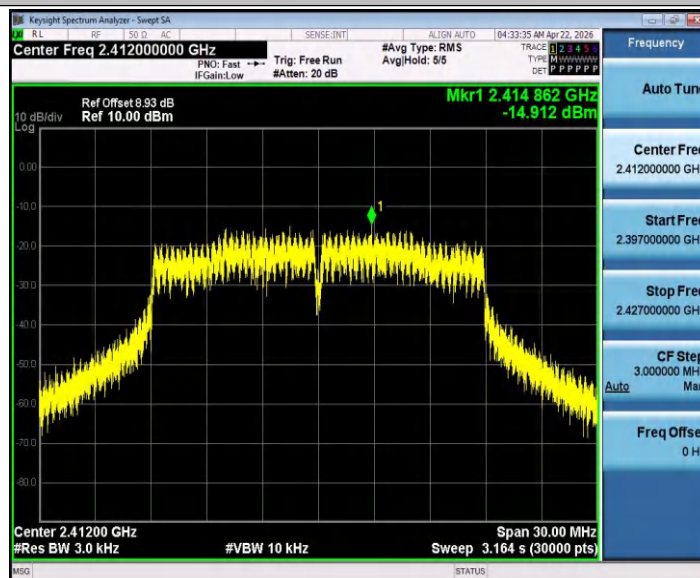
11G_Ant1_2437



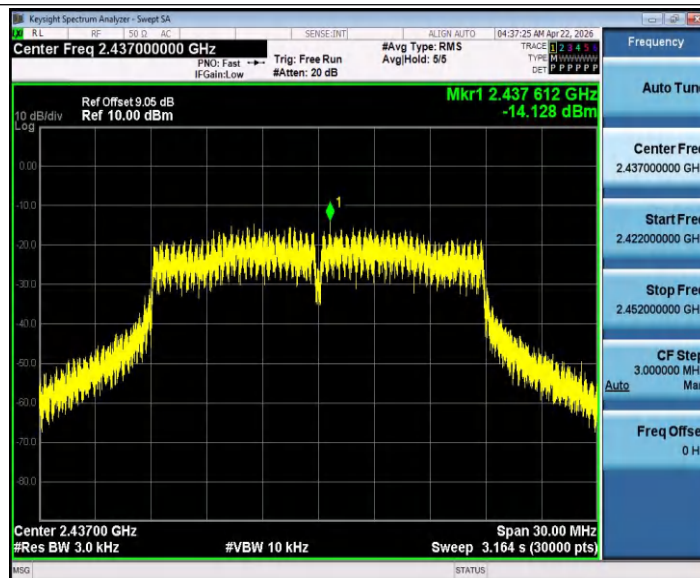
11G_Ant1_2462



11N20SISO_Ant1_2412



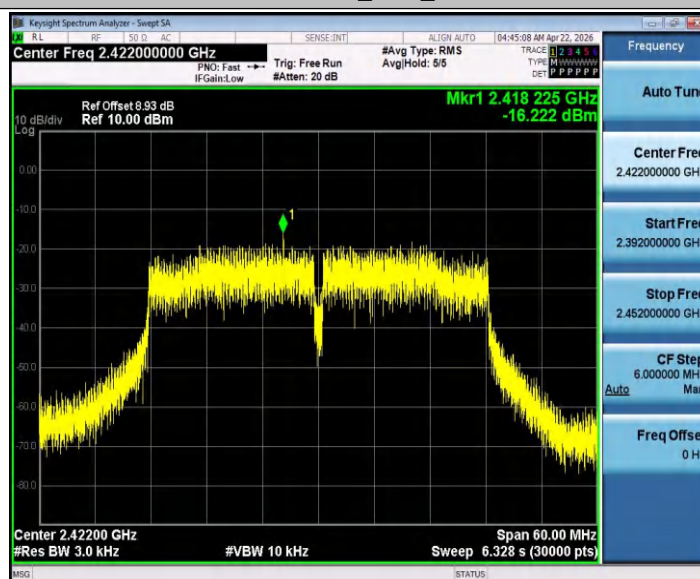
11N20SISO_Ant1_2437



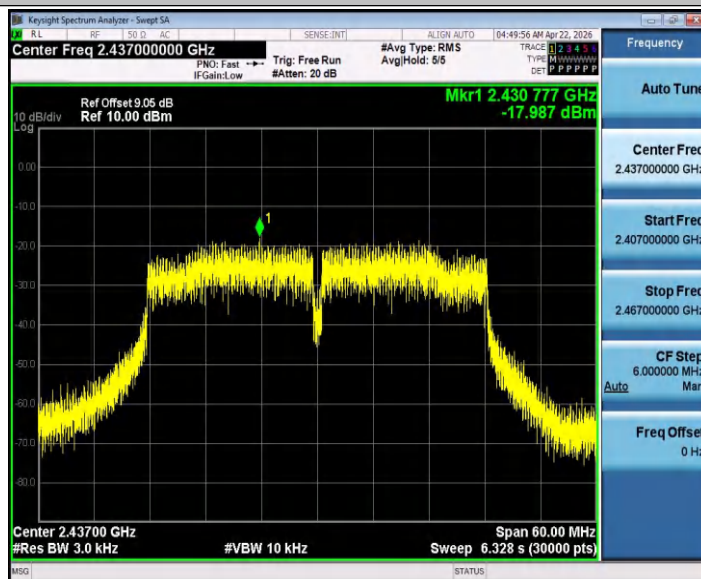
11N20SISO_Ant1_2462



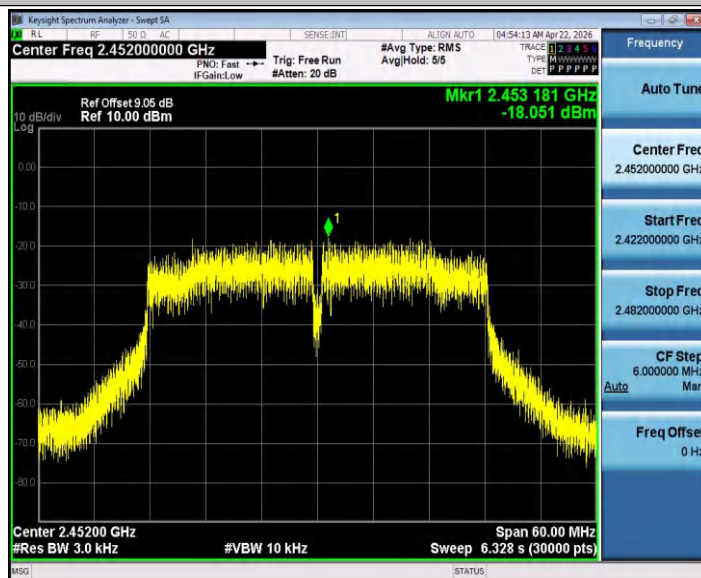
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



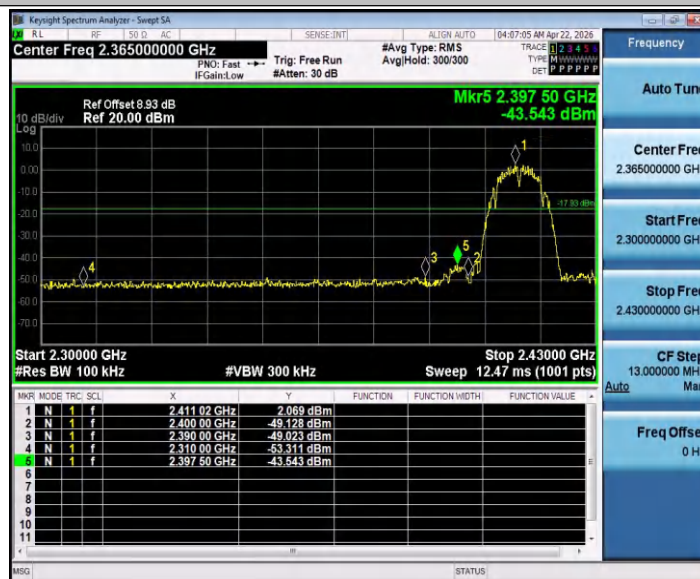
Appendix B.5: Band edge measurements

Test Result

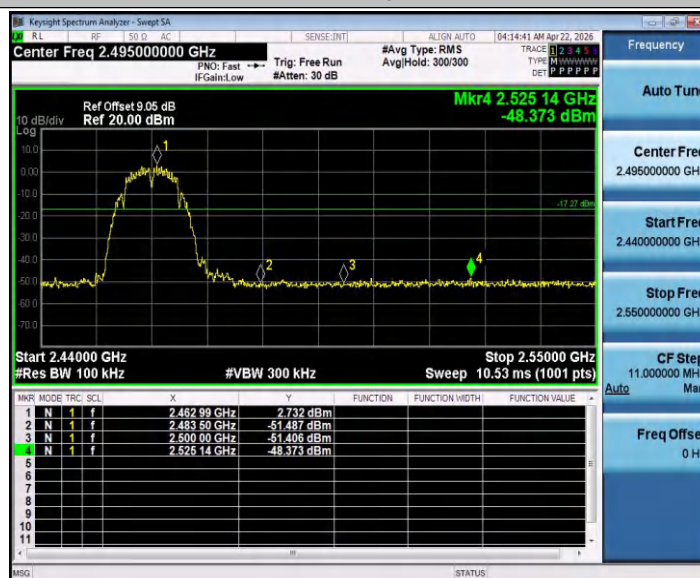
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.07	-43.54	≤-17.93	PASS
		High	2462	2.73	-48.37	≤-17.27	PASS
11G	Ant1	Low	2412	0.33	-29.75	≤-19.67	PASS
		High	2462	0.72	-47.41	≤-19.28	PASS
11N20SISO	Ant1	Low	2412	0.56	-30.66	≤-19.44	PASS
		High	2462	1.33	-47.18	≤-18.67	PASS
11N40SISO	Ant1	Low	2422	-2.54	-34.52	≤-22.54	PASS
		High	2452	-2.84	-42.04	≤-22.84	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412



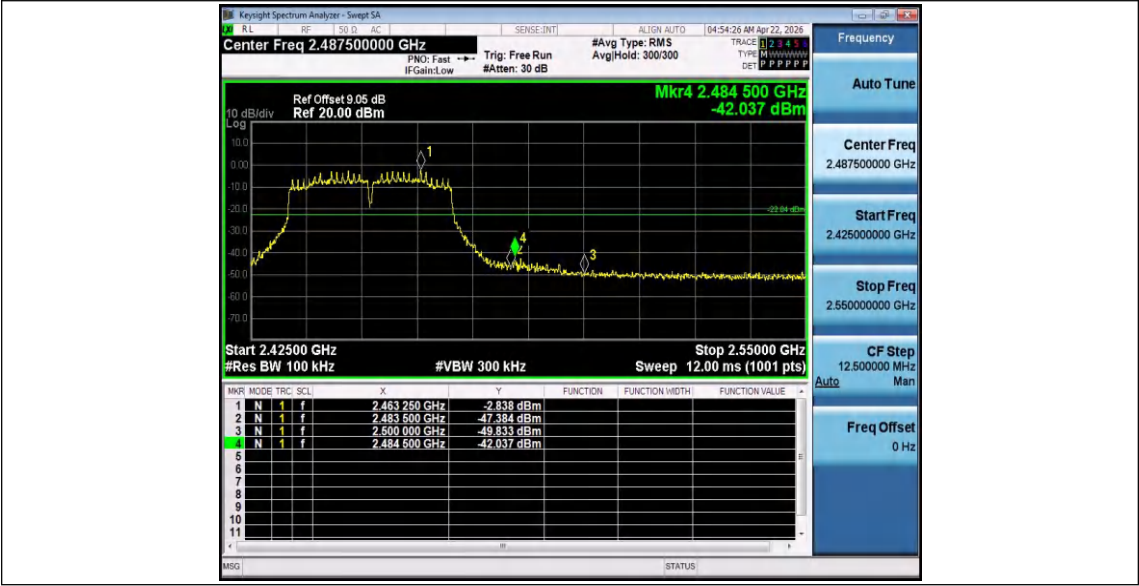
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412







Appendix B.6: Conducted Spurious Emission

Test Result

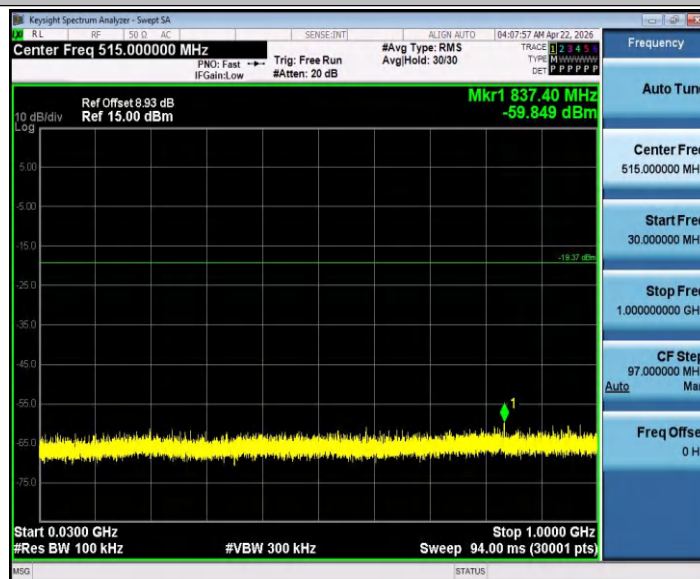
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	0.63	0.63	---	PASS
			30~1000	0.63	-59.85	≤-19.37	PASS
			1000~26500	0.63	-48.04	≤-19.37	PASS
		2437	Reference	0.85	0.85	---	PASS
			30~1000	0.85	-60.21	≤-19.15	PASS
			1000~26500	0.85	-47.55	≤-19.15	PASS
		2462	Reference	1.32	1.32	---	PASS
			30~1000	1.32	-60.19	≤-18.68	PASS
			1000~26500	1.32	-47.31	≤-18.68	PASS
11G	Ant1	2412	Reference	-1.52	-1.52	---	PASS
			30~1000	-1.52	-59.95	≤-21.52	PASS
			1000~26500	-1.52	-47.98	≤-21.52	PASS
		2437	Reference	-3.49	-3.49	---	PASS
			30~1000	-3.49	-60.49	≤-23.49	PASS
			1000~26500	-3.49	-46.87	≤-23.49	PASS
		2462	Reference	-2.54	-2.54	---	PASS
			30~1000	-2.54	-59.83	≤-22.54	PASS
			1000~26500	-2.54	-47.03	≤-22.54	PASS
11N20SISO	Ant1	2412	Reference	-3.96	-3.96	---	PASS
			30~1000	-3.96	-59.81	≤-23.96	PASS
			1000~26500	-3.96	-47.93	≤-23.96	PASS
		2437	Reference	-2.62	-2.62	---	PASS
			30~1000	-2.62	-60.11	≤-22.62	PASS
			1000~26500	-2.62	-47.92	≤-22.62	PASS
		2462	Reference	-2.75	-2.75	---	PASS
			30~1000	-2.75	-60.71	≤-22.75	PASS
			1000~26500	-2.75	-47.74	≤-22.75	PASS
11N40SISO	Ant1	2422	Reference	-3.50	-3.50	---	PASS
			30~1000	-3.50	-59.25	≤-23.5	PASS
			1000~26500	-3.50	-47.67	≤-23.5	PASS
		2437	Reference	-4.34	-4.34	---	PASS
			30~1000	-4.34	-60.82	≤-24.34	PASS
			1000~26500	-4.34	-47.91	≤-24.34	PASS
		2452	Reference	-3.29	-3.29	---	PASS
			30~1000	-3.29	-60.87	≤-23.29	PASS
			1000~26500	-3.29	-47.47	≤-23.29	PASS

Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



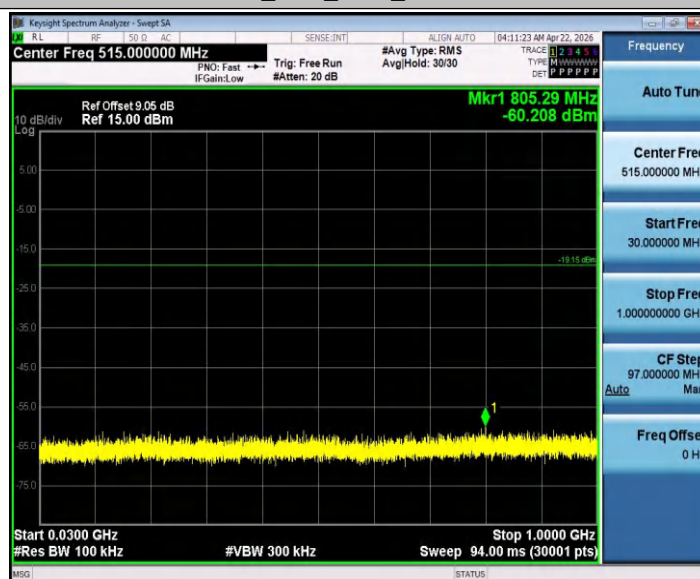
11B_Ant1_2412_1000~26500

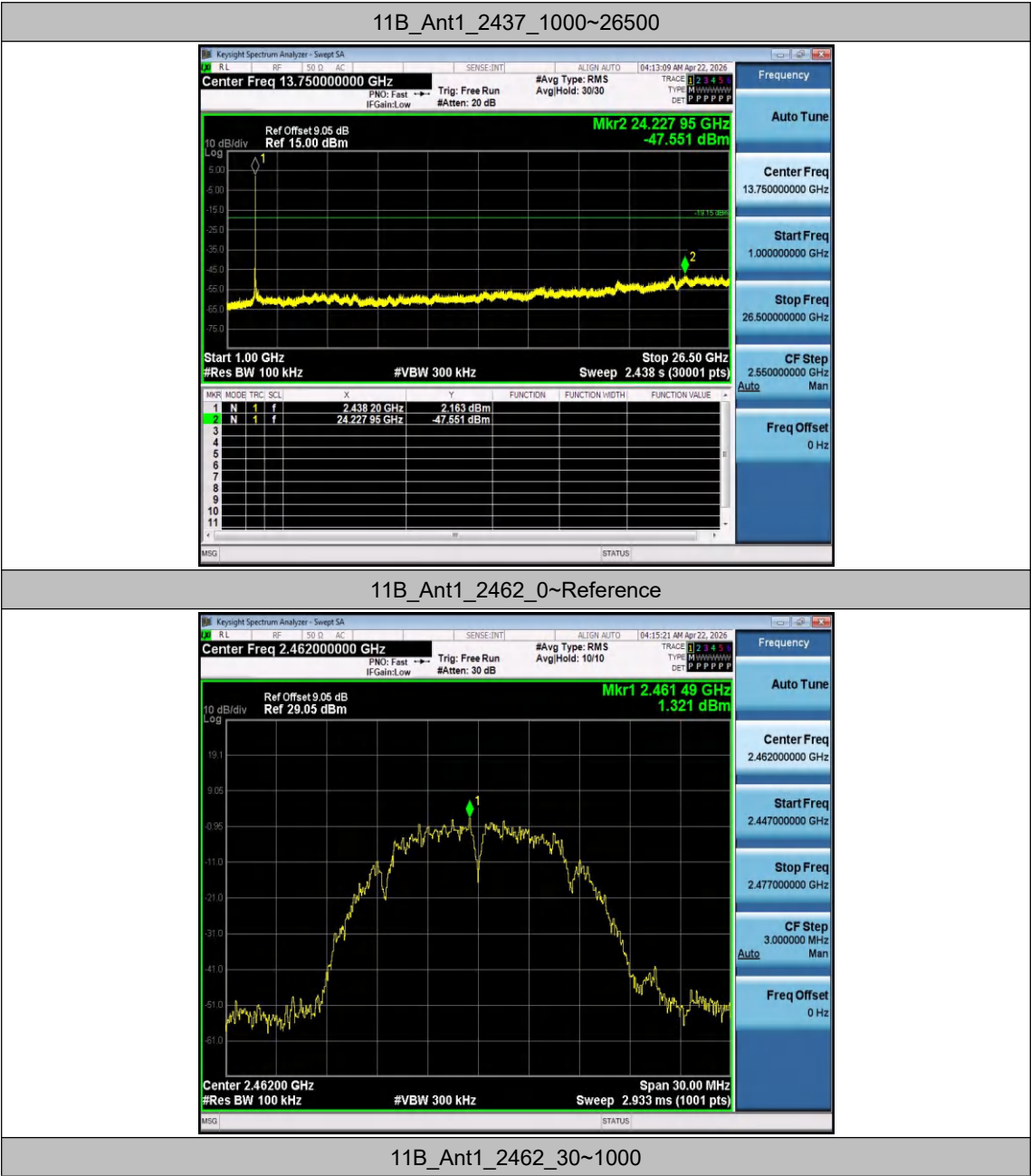


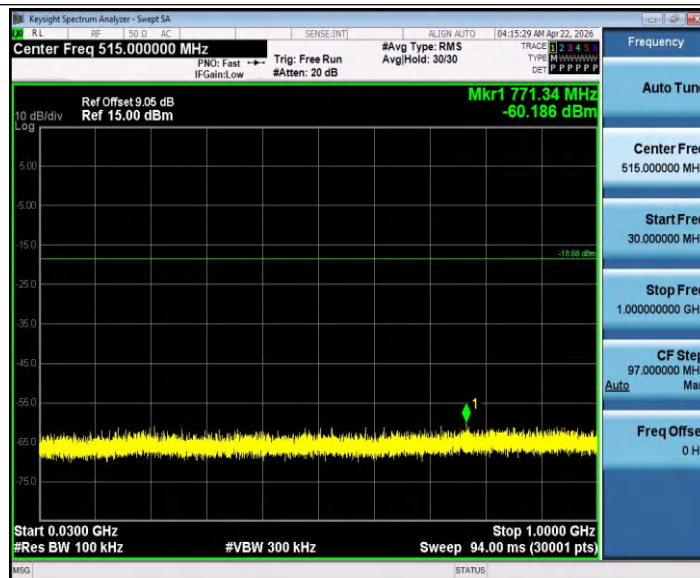
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



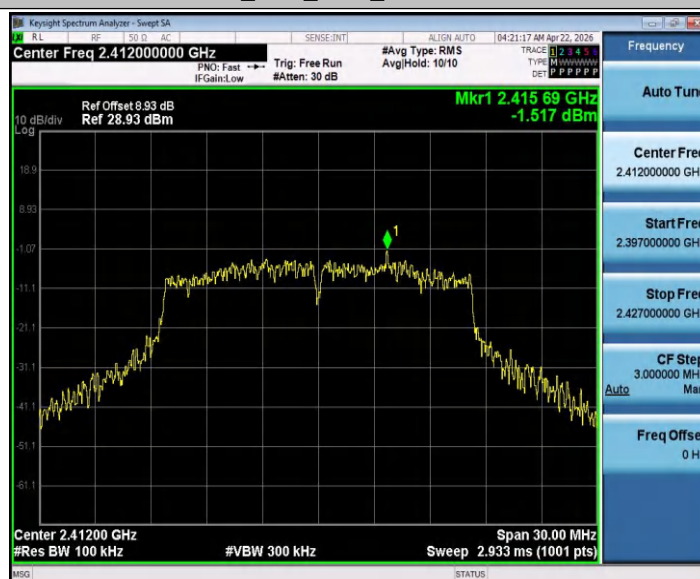




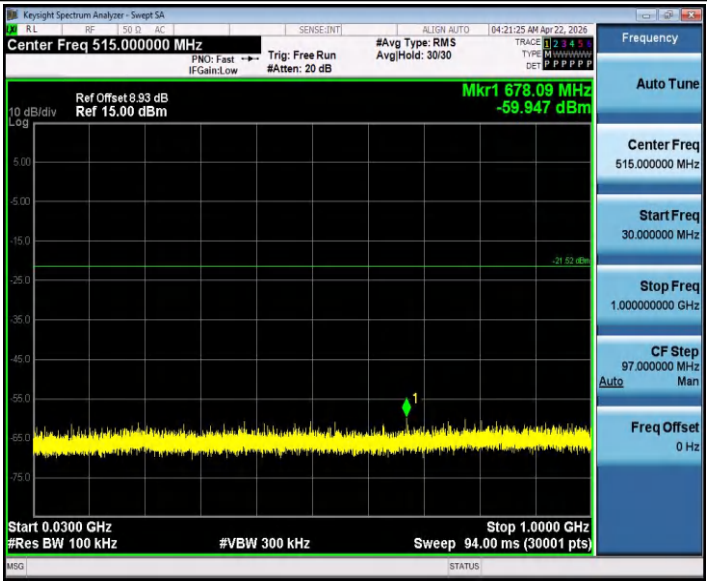
11B_Ant1_2462_1000~26500



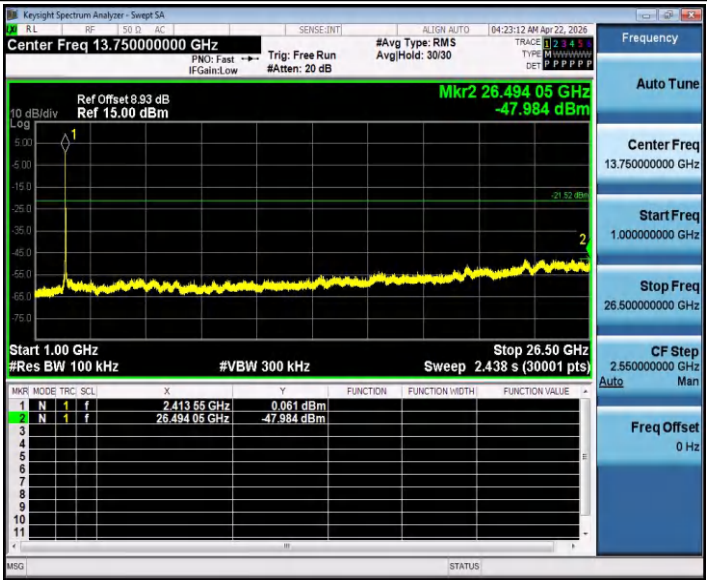
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



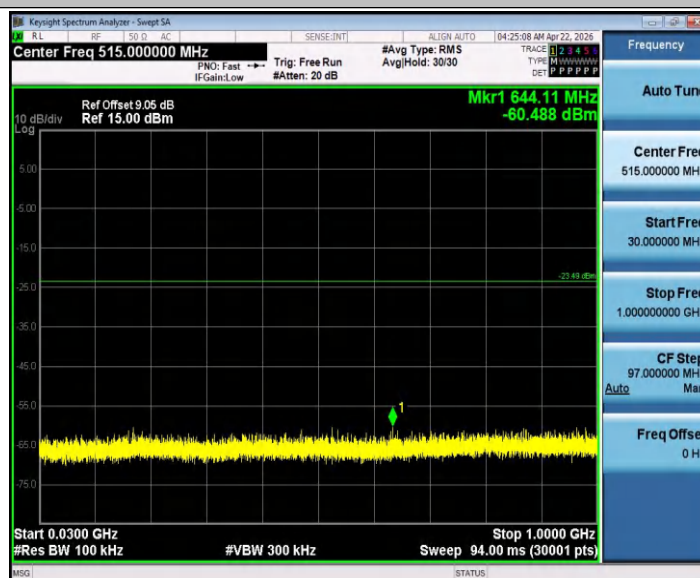
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



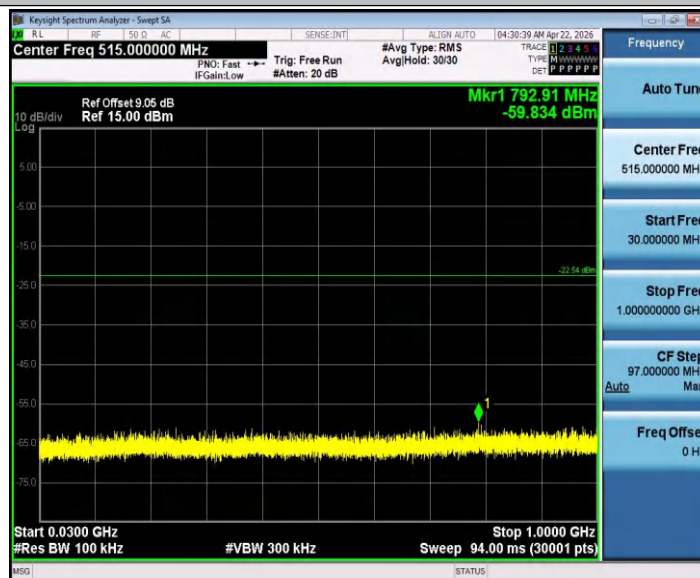
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



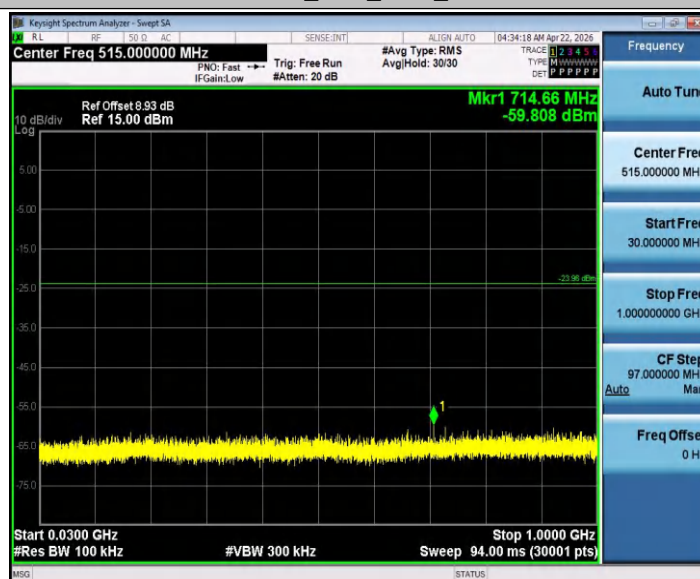
11G_Ant1_2462_1000~26500



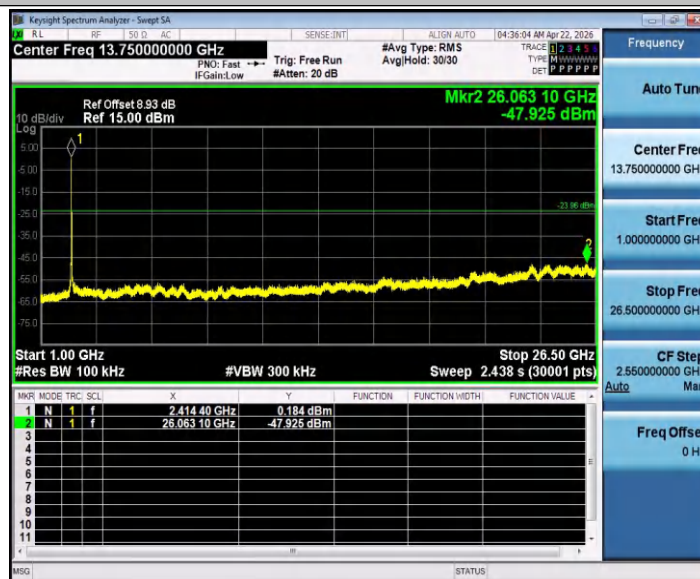
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



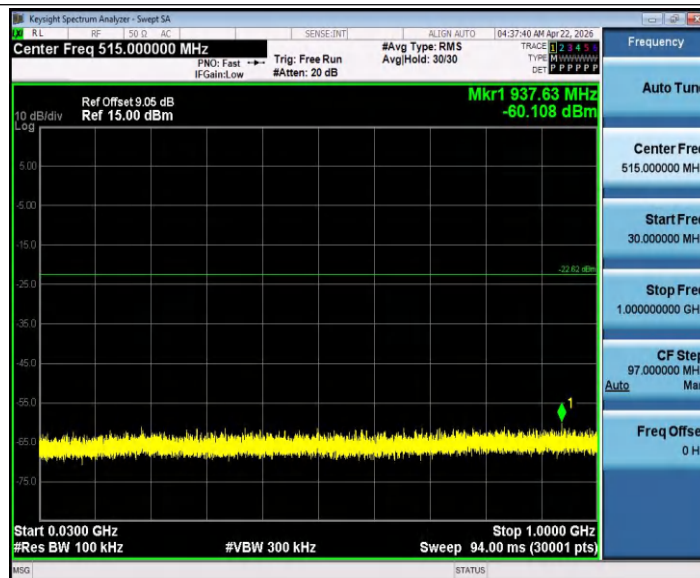
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



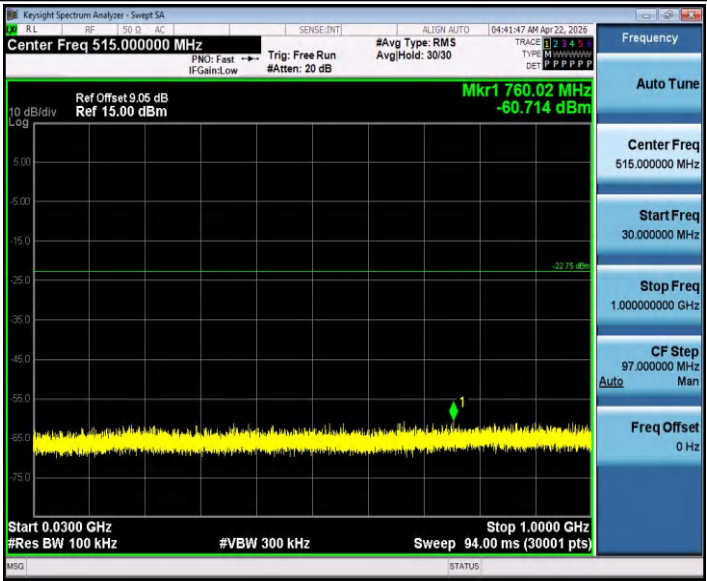
11N20SISO_Ant1_2437_1000~26500



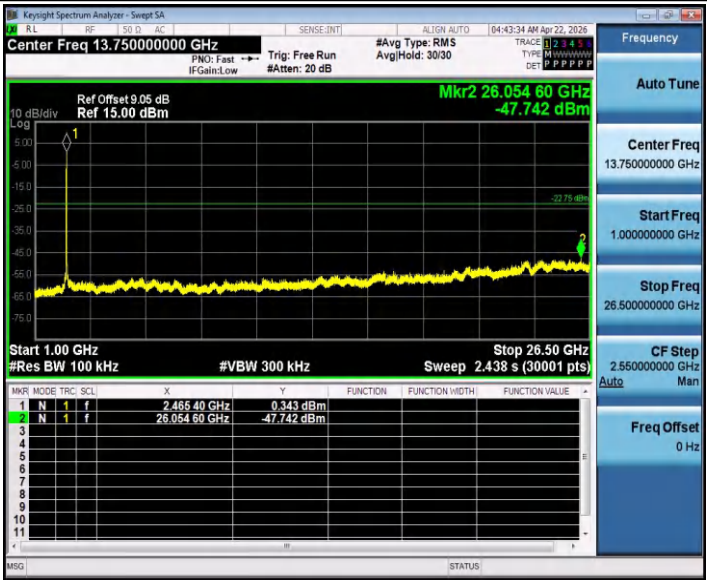
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



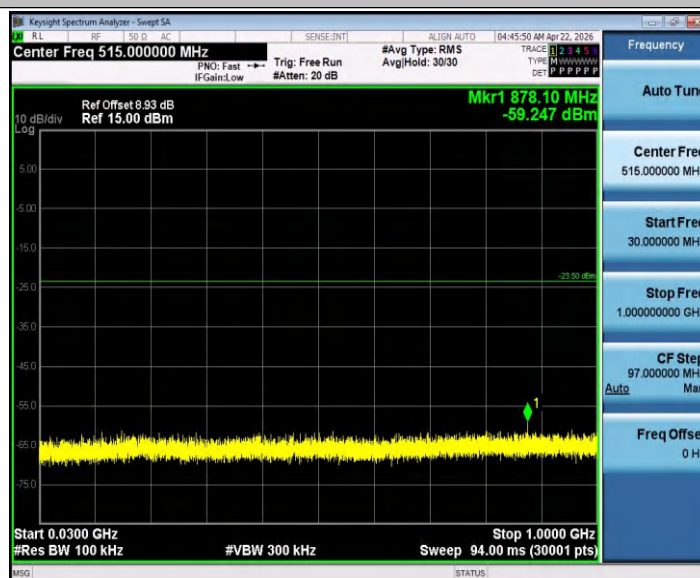
11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



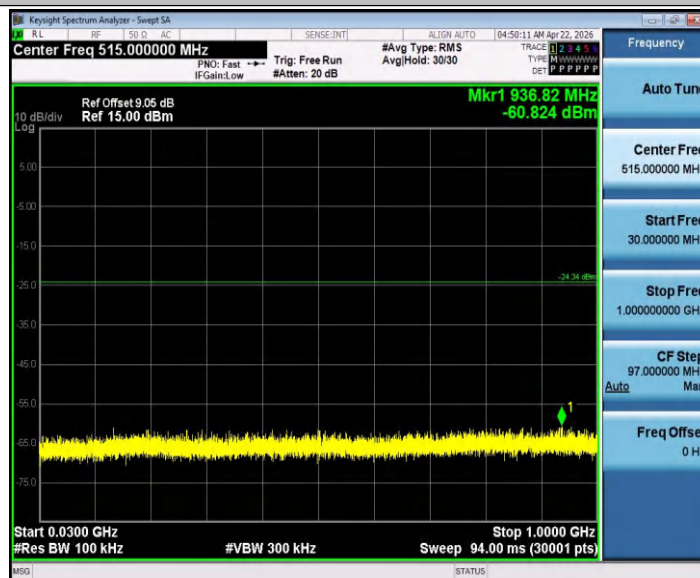
11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



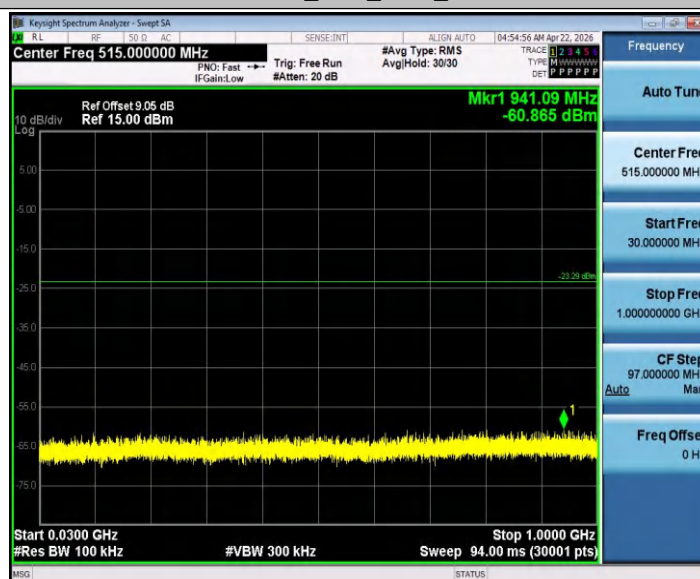
11N40SISO_Ant1_2437_1000~26500

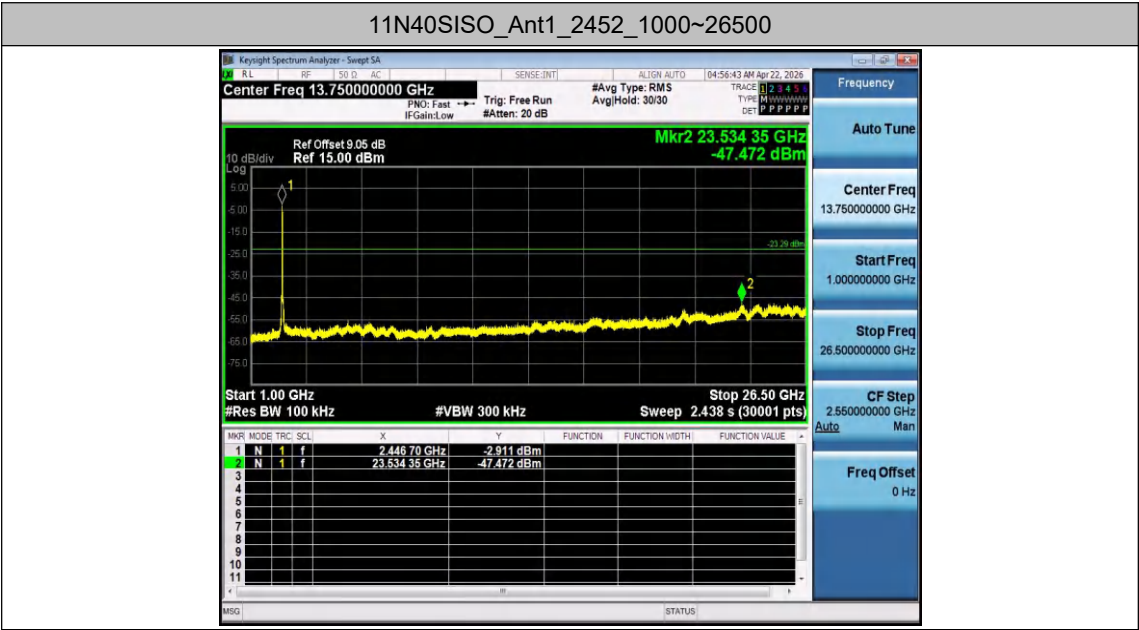


11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



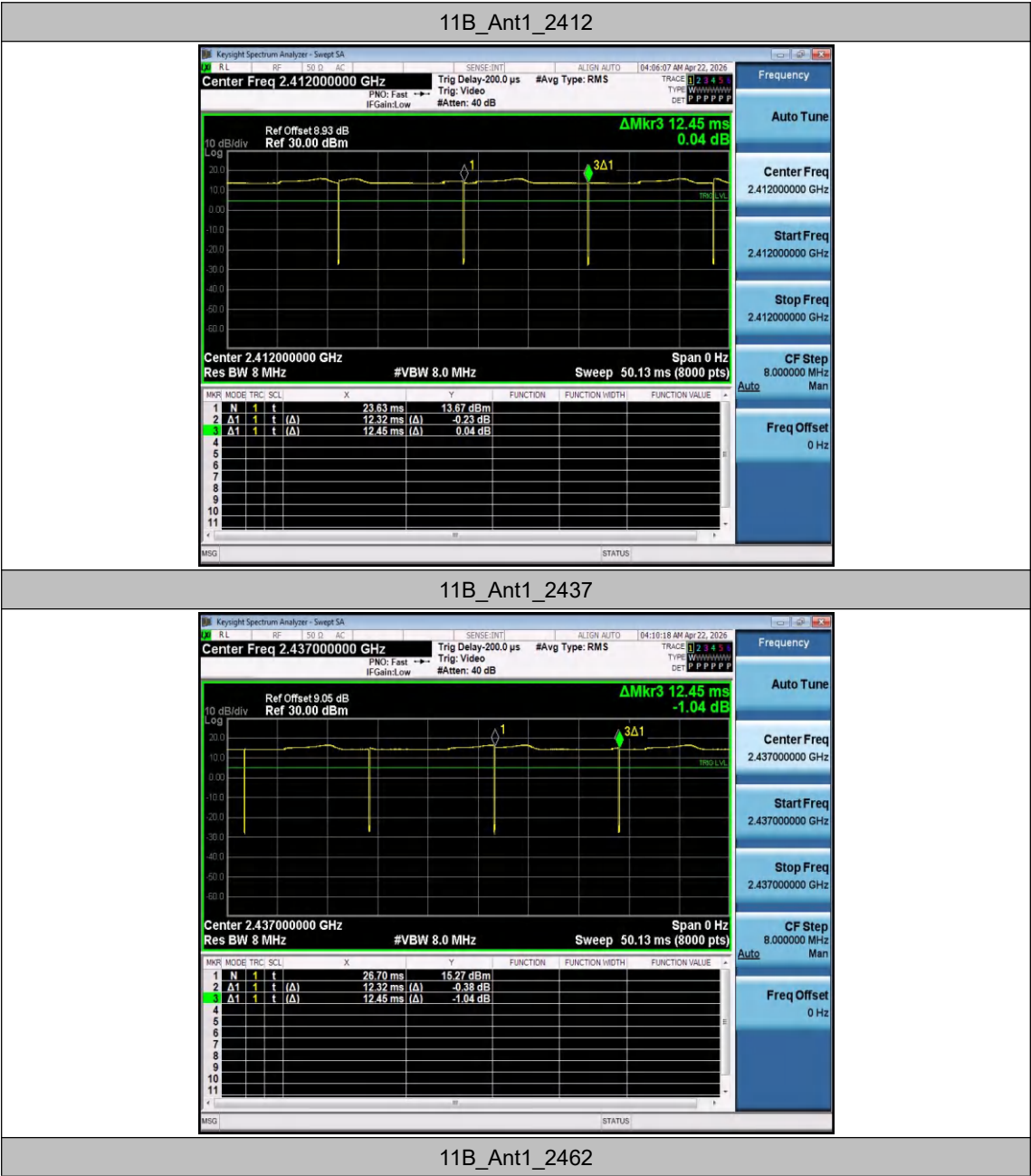


Appendix B.7: Duty Cycle

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	12.32	12.45	98.96	0.05	0.08
		2437	12.32	12.45	98.96	0.05	0.08
		2462	12.32	12.44	99.04	0.04	0.08
11G	Ant1	2412	2.04	2.15	94.88	0.23	0.49
		2437	2.04	2.15	94.88	0.23	0.49
		2462	2.05	2.16	94.91	0.23	0.49
11N20SISO	Ant1	2412	1.91	1.99	95.98	0.18	0.52
		2437	1.90	1.99	95.48	0.20	0.53
		2462	1.90	1.99	95.48	0.20	0.53
11N40SISO	Ant1	2422	0.94	1.11	84.68	0.72	1.06
		2437	0.94	1.11	84.68	0.72	1.06
		2452	0.93	1.10	84.55	0.73	1.08

Test Graphs



11B_Ant1_2437

Keyight Spectrum Analyzer - Sweep SA

RF: 150.0 AC

SENSE: INT

ALIGN: AUTO

04:16:18 AM Apr 22, 2026

Center Freq 2.437000000 GHz

Trig Delay: 200.0 μ s

#Avg Type: RMS

TRAC: 1 2 3 4 5

TYPE: W W W W W W W

DET: P P P P P P P

Ref Offset 9.05 dB

Ref 30.00 dBm

Δ Mkr3 12.45 ms

-1.04 dB

10 dB/div

LOG

20.0

10.0

0.00

-10.0

-20.0

-30.0

-40.0

-50.0

-60.0

Center 2.437000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 50.13 ms (8000 pts)

Span 0 Hz

MARK MODE TRC: SCL

X

Y

FUNCTION

FUNCTION WIDTH

FUNCTION VALUE

1 N 1 t 26.70 ms 15.27 dBm

2 Δ 1 1 t (A) 12.32 ms (A) -0.38 dB

3 Δ 1 1 t (A) 12.45 ms (A) -1.04 dB

4

5

6

7

8

9

10

11

MSG

STATUS

Frequency

Auto Tune

Center Freq
2.437000000 GHz

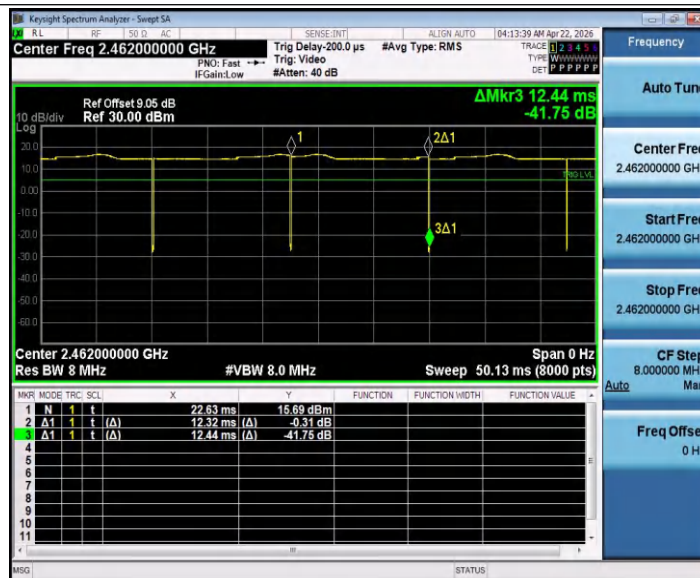
Start Freq
2.437000000 GHz

Stop Freq
2.437000000 GHz

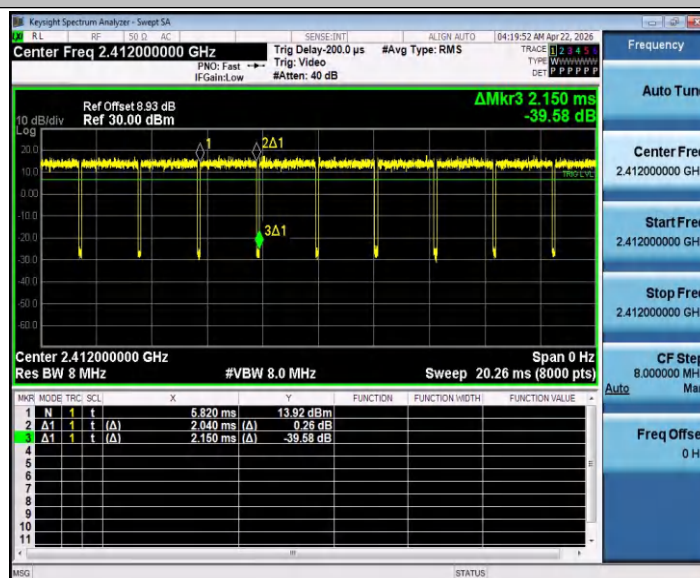
CF Step
8.000000 MHz
Man

Freq Offset
0 Hz

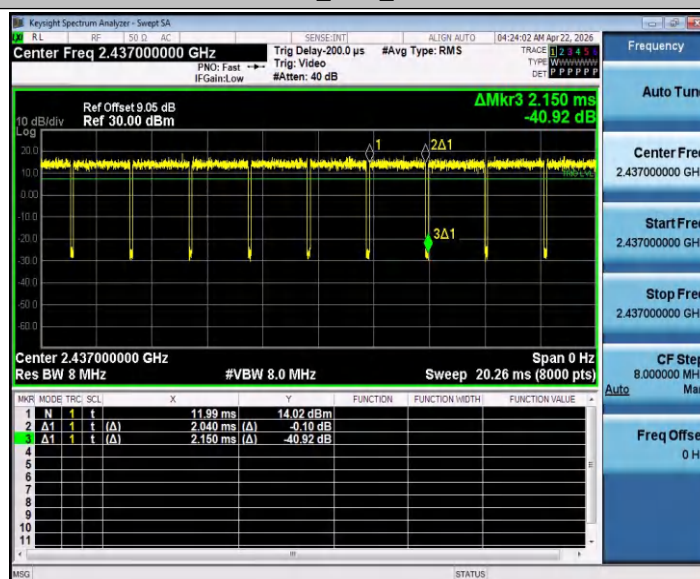
11B_Ant1_2462



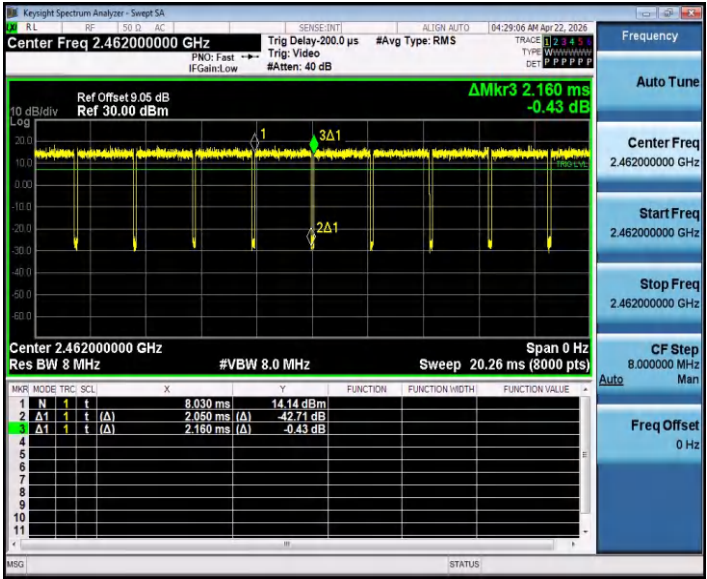
11G_Ant1_2412



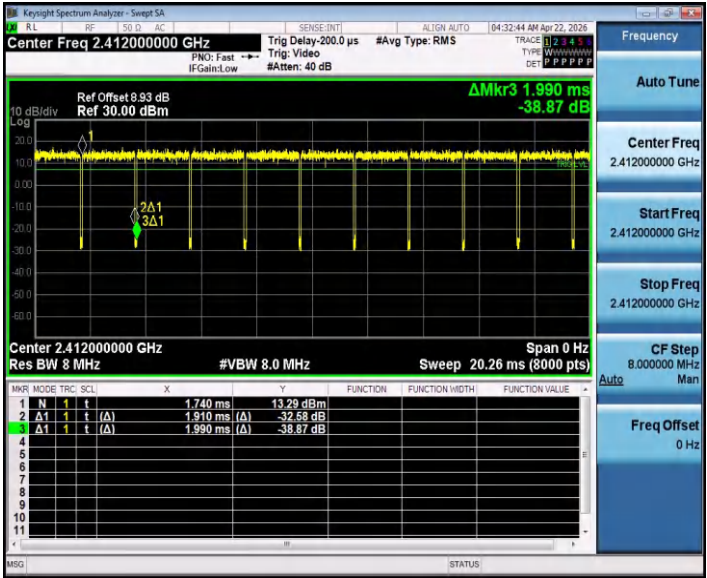
11G_Ant1_2437



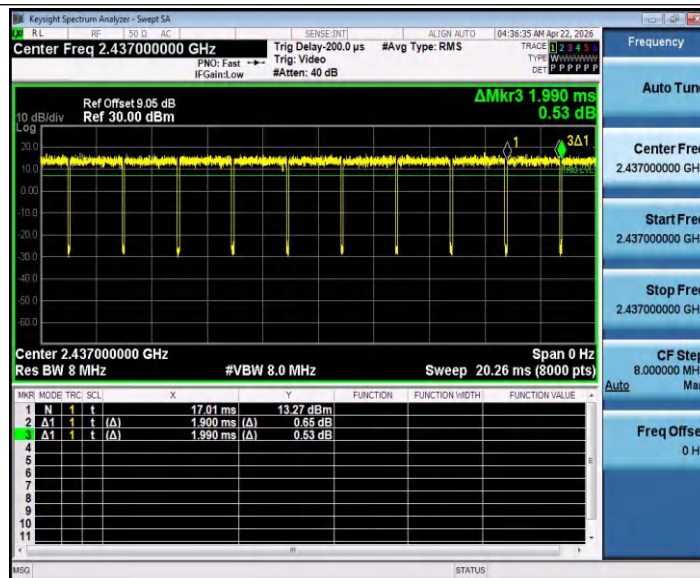
11G_Ant1_2462



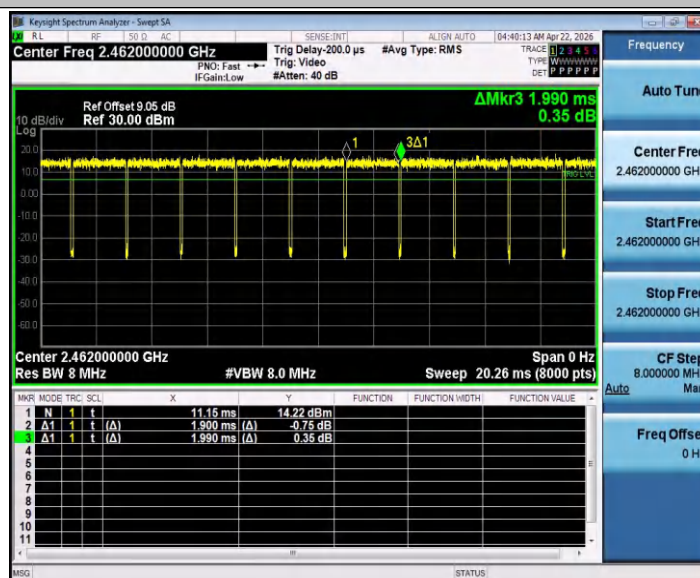
11N20SISO_Ant1_2412



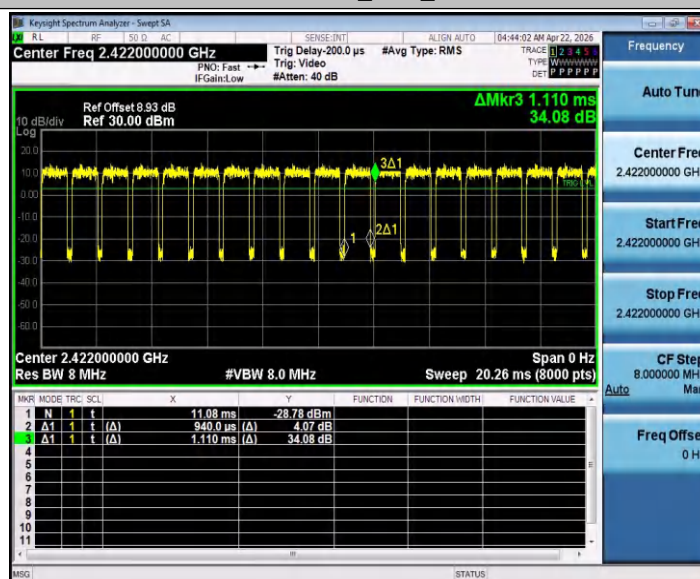
11N20SISO_Ant1_2437



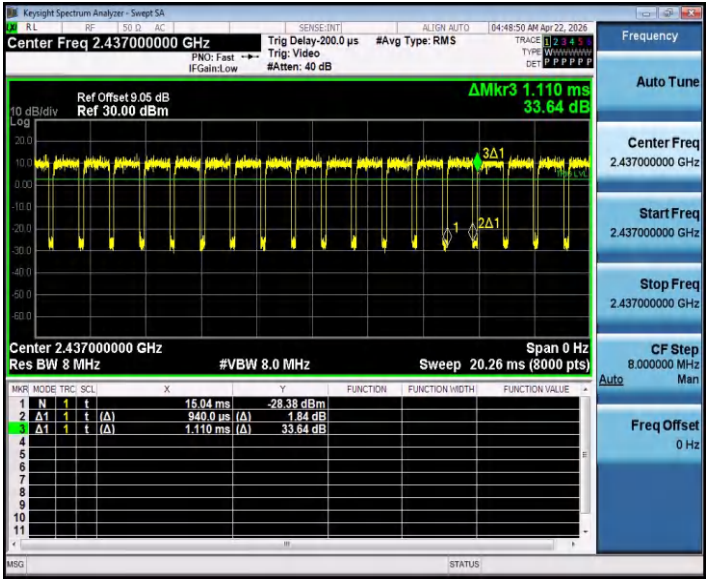
11N20SISO_Ant1_2462



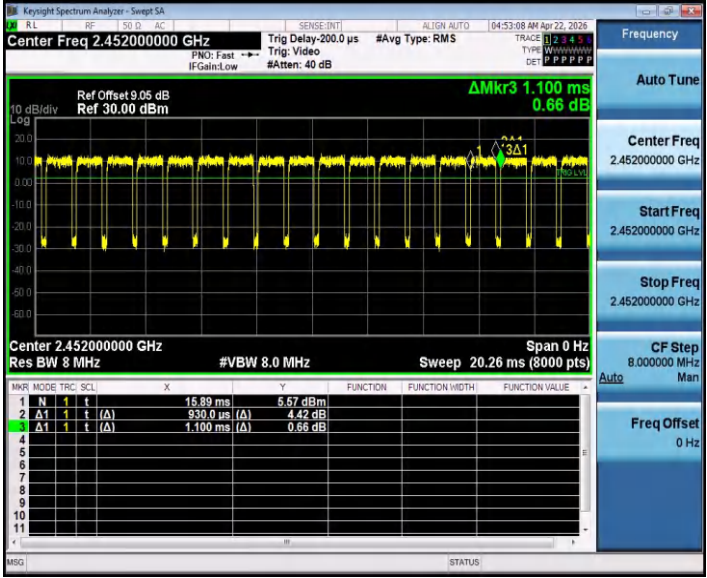
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix B.8: Emissions in Restricted Bands

Test Result

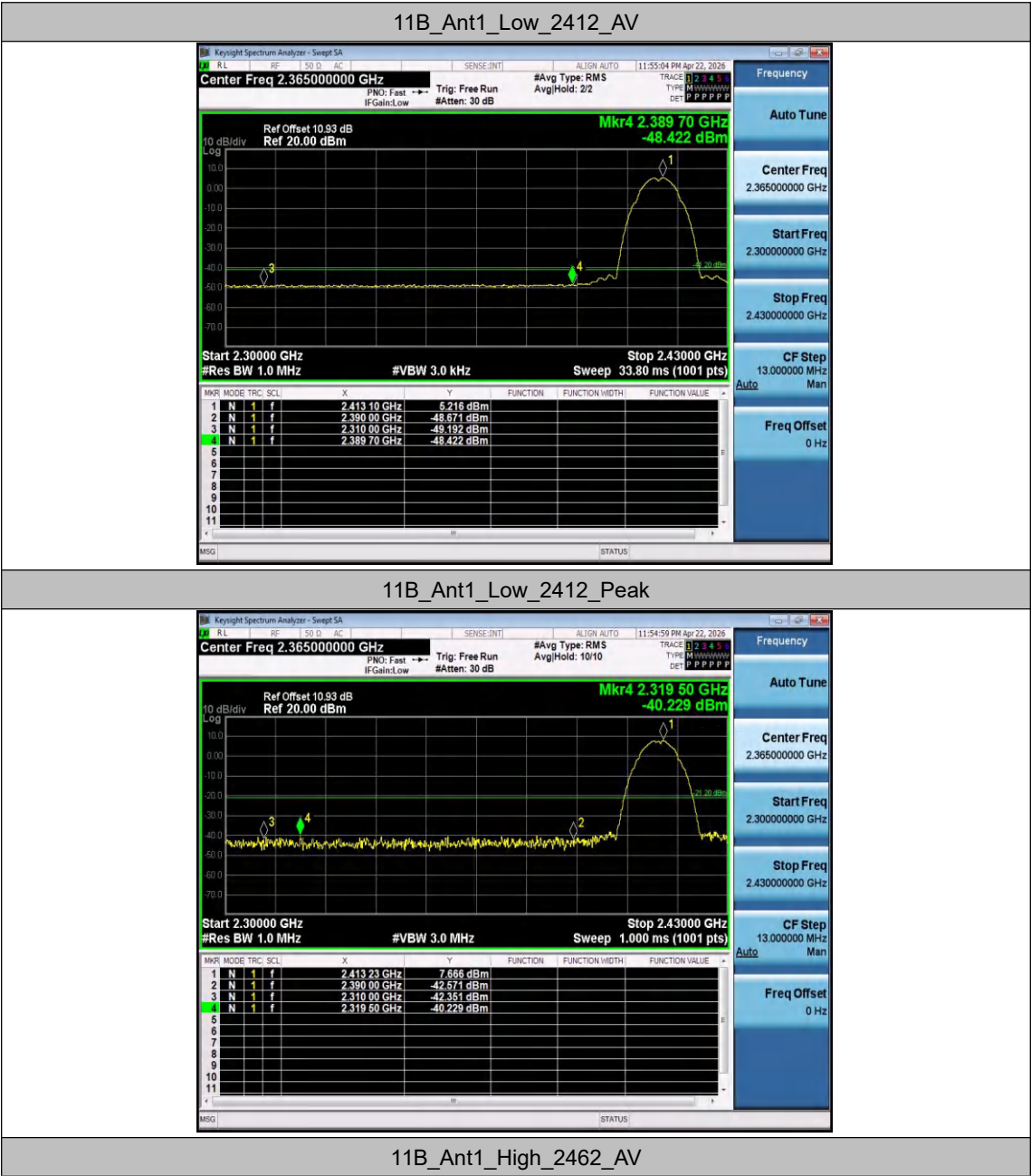
TestMode	Antenna	ChName	Frequenc y[MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-49.19	≤-41.20	46.01	≤54	PASS
				AV	2389.700	-48.42	≤-41.20	46.78	≤54	PASS
				AV	2390.000	-48.67	≤-41.20	46.53	≤54	PASS
				Peak	2310.000	-42.35	≤-21.20	52.85	≤74	PASS
				Peak	2319.500	-40.23	≤-21.20	54.97	≤74	PASS
				Peak	2390.000	-42.57	≤-21.20	52.63	≤74	PASS
		High	2462	AV	2483.500	-48.68	≤-41.20	46.52	≤54	PASS
				AV	2495.220	-47.85	≤-41.20	47.35	≤54	PASS
				AV	2500.000	-48.67	≤-41.20	46.53	≤54	PASS
				Peak	2483.500	-44.72	≤-21.20	50.48	≤74	PASS
				Peak	2495.000	-39.8	≤-21.20	55.40	≤74	PASS
				Peak	2500.000	-43.14	≤-21.20	52.06	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.71	≤-41.20	45.49	≤54	PASS
				AV	2386.710	-48.09	≤-41.20	47.11	≤54	PASS
				AV	2390.000	-48.22	≤-41.20	46.98	≤54	PASS
				Peak	2310.000	-45.61	≤-21.20	49.59	≤74	PASS
				Peak	2359.410	-39.25	≤-21.20	55.95	≤74	PASS
				Peak	2390.000	-43.62	≤-21.20	51.58	≤74	PASS
		High	2462	AV	2483.500	-46.58	≤-41.20	48.62	≤54	PASS
				AV	2483.890	-46.73	≤-41.20	48.47	≤54	PASS
				AV	2500.000	-48.23	≤-41.20	46.97	≤54	PASS
				Peak	2483.500	-41.7	≤-21.20	53.50	≤74	PASS
				Peak	2484.110	-39.07	≤-21.20	56.13	≤74	PASS
				Peak	2500.000	-43.1	≤-21.20	52.10	≤74	PASS
11N20SIS O	Ant1	Low	2412	AV	2310.000	-49.21	≤-41.20	45.99	≤54	PASS
				AV	2389.570	-47.51	≤-41.20	47.69	≤54	PASS
				AV	2390.000	-47.98	≤-41.20	47.22	≤54	PASS
				Peak	2310.000	-45.23	≤-21.20	49.97	≤74	PASS
				Peak	2387.490	-39.76	≤-21.20	55.44	≤74	PASS
				Peak	2390.000	-43.02	≤-21.20	52.18	≤74	PASS
		High	2462	AV	2483.500	-46.34	≤-41.20	48.86	≤54	PASS
				AV	2483.560	-46.64	≤-41.20	48.56	≤54	PASS
				AV	2500.000	-48.44	≤-41.20	46.76	≤54	PASS
				Peak	2483.500	-42.89	≤-21.20	52.31	≤74	PASS
				Peak	2484.000	-39.17	≤-21.20	56.03	≤74	PASS
				Peak	2500.000	-44.78	≤-21.20	50.42	≤74	PASS
11N40SIS	Ant1	Low	2422	AV	2310.000	-49.01	≤-41.20	46.19	≤54	PASS

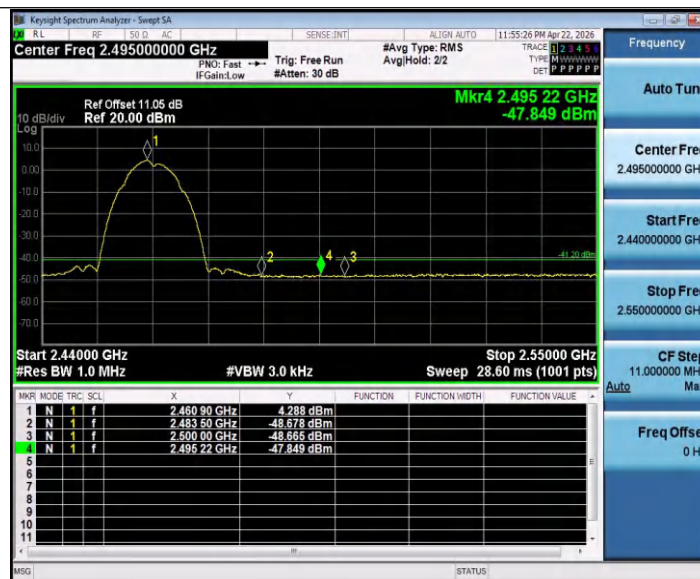
O				AV	2389.400	-45.08	≤ -41.20	50.12	≤ 54	PASS
				AV	2390.000	-46.35	≤ -41.20	48.85	≤ 54	PASS
				Peak	2310.000	-44.13	≤ -21.20	51.07	≤ 74	PASS
				Peak	2388.800	-31.04	≤ -21.20	64.16	≤ 74	PASS
				Peak	2390.000	-39.78	≤ -21.20	55.42	≤ 74	PASS
		High	2452	AV	2483.500	-46.1	≤ -41.20	49.10	≤ 54	PASS
				AV	2484.000	-45.59	≤ -41.20	49.61	≤ 54	PASS
				AV	2500.000	-48.63	≤ -41.20	46.57	≤ 54	PASS
				Peak	2483.500	-42.83	≤ -21.20	52.37	≤ 74	PASS
				Peak	2484.750	-38.52	≤ -21.20	56.68	≤ 74	PASS
				Peak	2500.000	-43.88	≤ -21.20	51.32	≤ 74	PASS

Note:

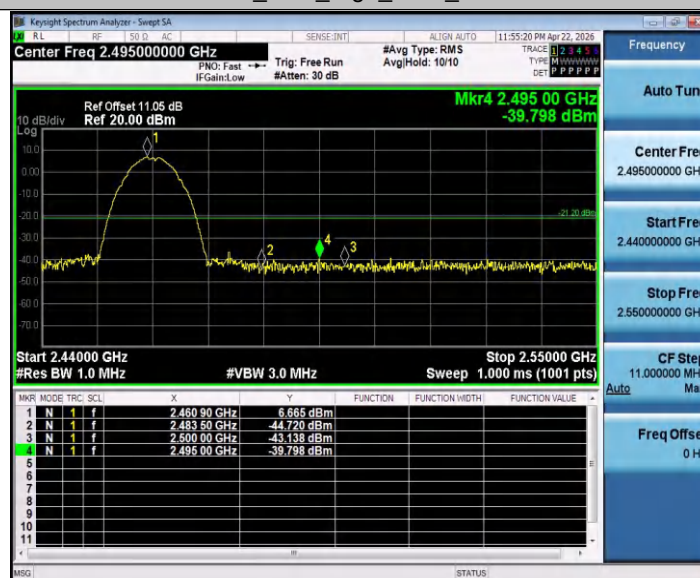
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

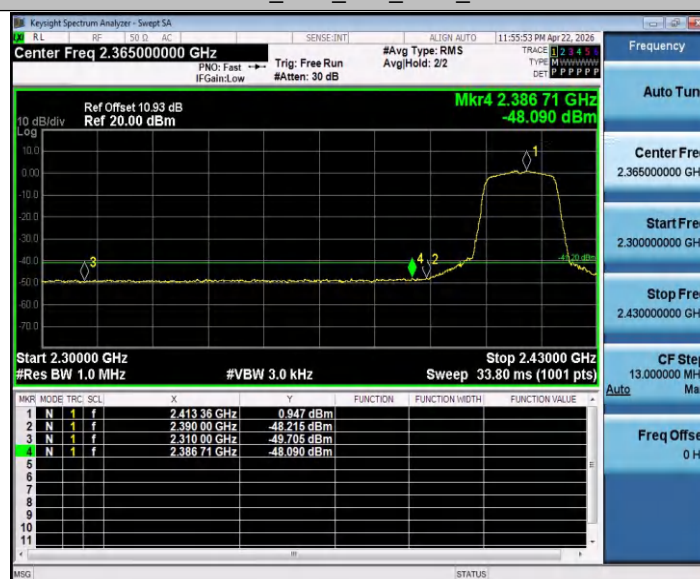




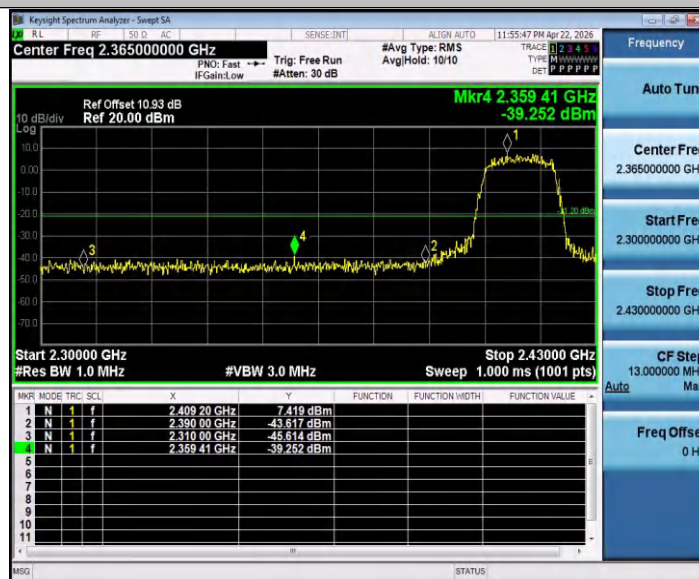
11B_Ant1_High_2462_Peak



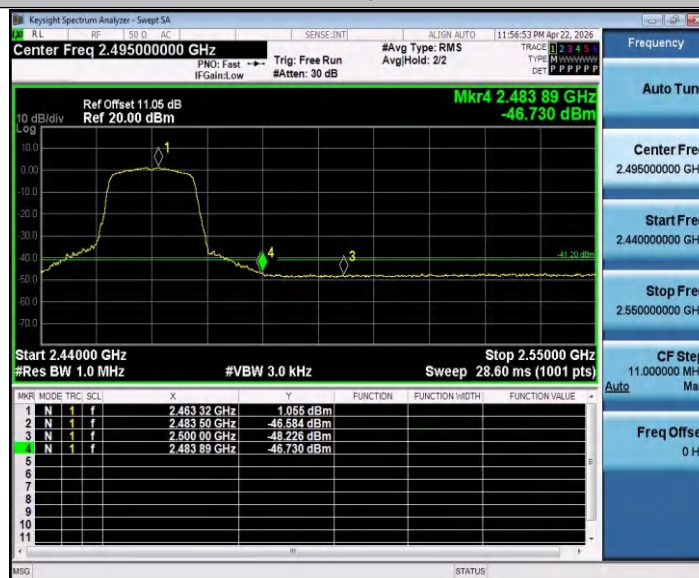
11G_Ant1_Low_2412_AV



11G_Ant1_Low_2412_Peak



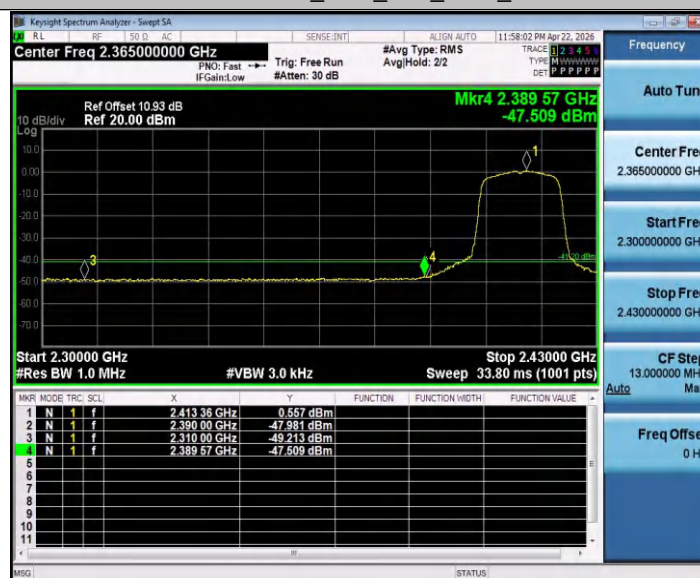
11G_Ant1_High_2462_AV



11G_Ant1_High_2462_Peak

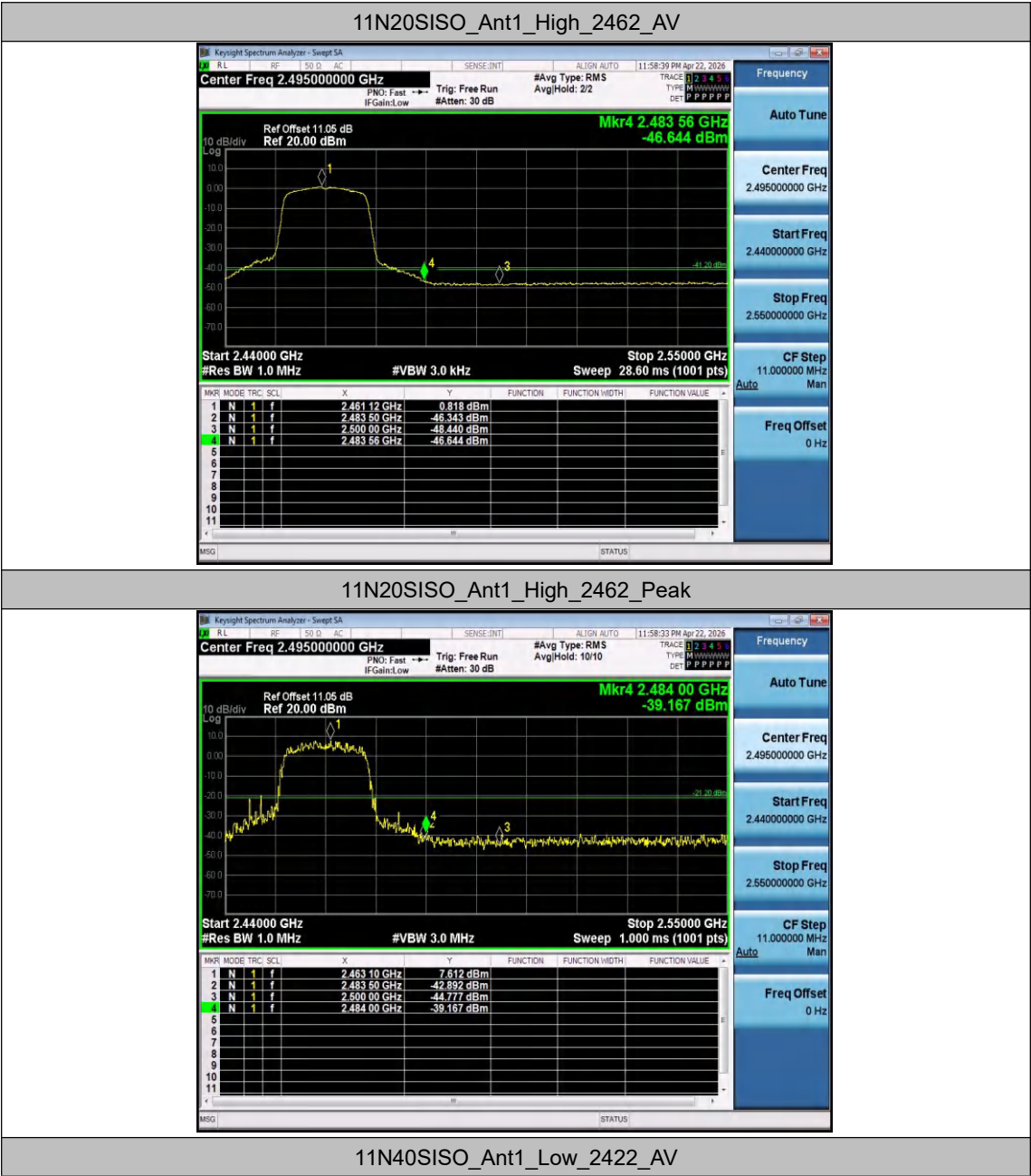


11N20SISO_Ant1_Low_2412_AV



11N20SISO_Ant1_Low_2412_Peak







11N40SISO_Ant1_Low_2422_Peak



11N40SISO_Ant1_High_2452_AV



