

Case No. : <u>GTS20250626008-1-03</u>	
Ambient Condition: <u>22</u> °C, <u>52</u> %RH,	
Test Date: <u>2025.7.3</u>	Test Engineer: <u>Evan ouyang</u>

Appendix A.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.960	2417.040	0.5	PASS
		2437	10.080	2431.960	2442.040	0.5	PASS
		2462	10.040	2456.960	2467.000	0.5	PASS
11G	Ant1	2412	16.080	2404.080	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	14.840	2454.440	2469.280	0.5	PASS
11N20SISO	Ant1	2412	13.760	2405.720	2419.480	0.5	PASS
		2437	17.280	2428.480	2445.760	0.5	PASS
		2462	15.280	2454.200	2469.480	0.5	PASS
11N40SISO	Ant1	2422	34.160	2405.760	2439.920	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	35.600	2434.320	2469.920	0.5	PASS

Test Graphs

11B_Ant1_2412



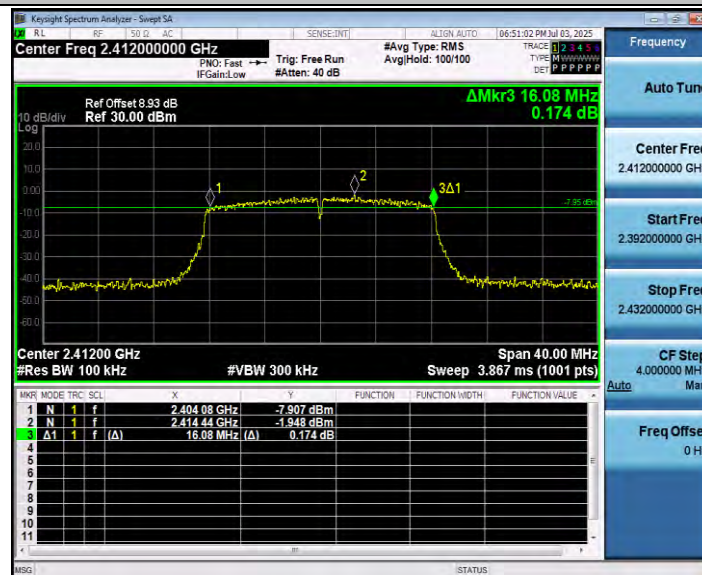
11B_Ant1_2437



11B_Ant1_2462



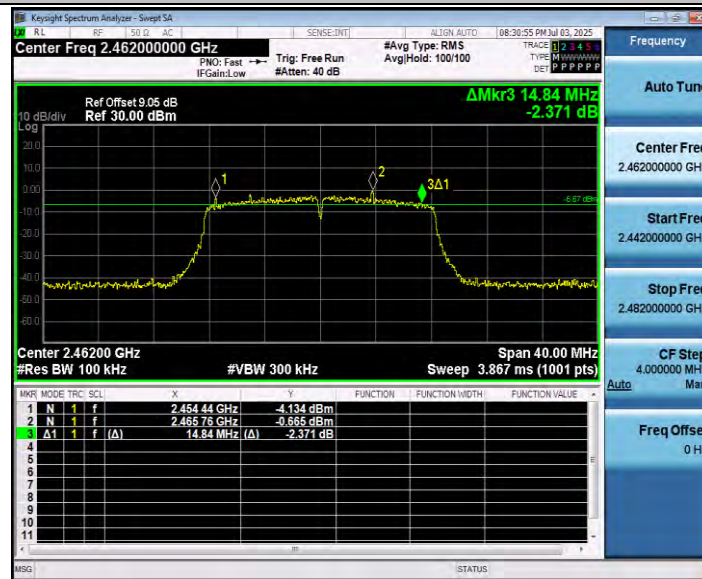
11G_Ant1_2412



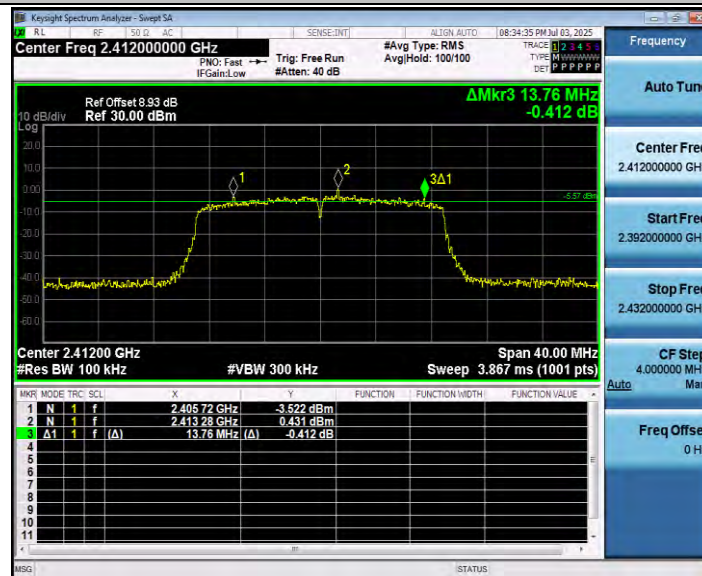
11G_Ant1_2437



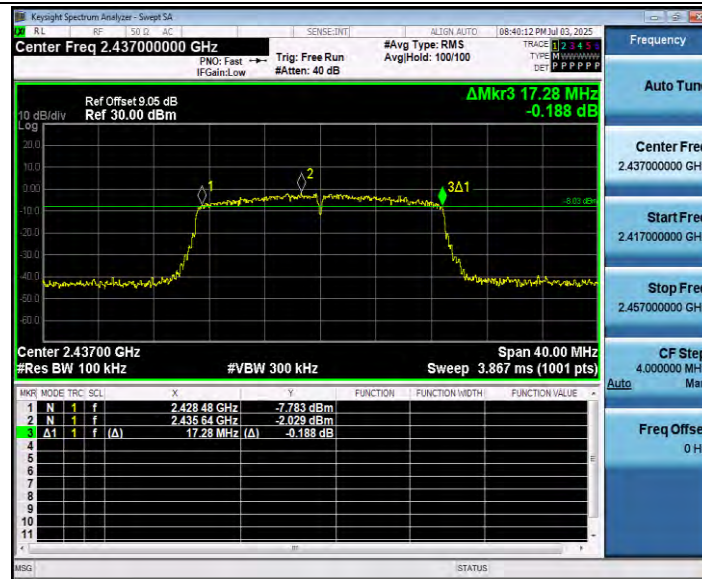
11G_Ant1_2462



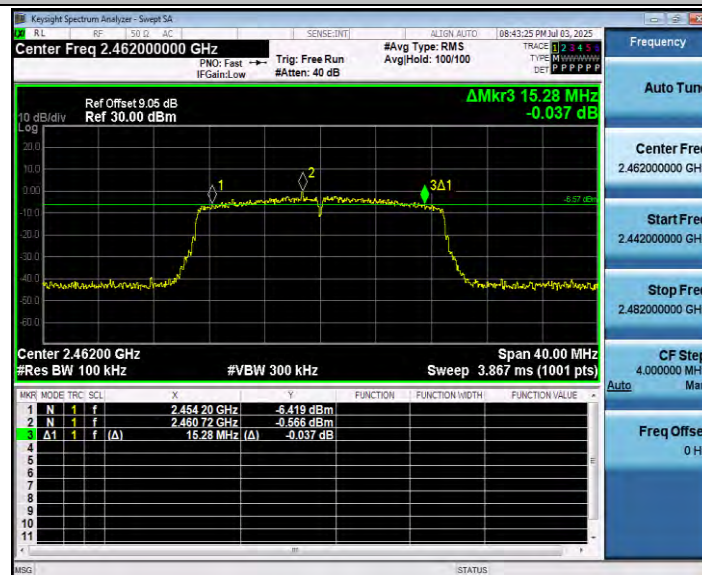
11N20SISO_Ant1_2412



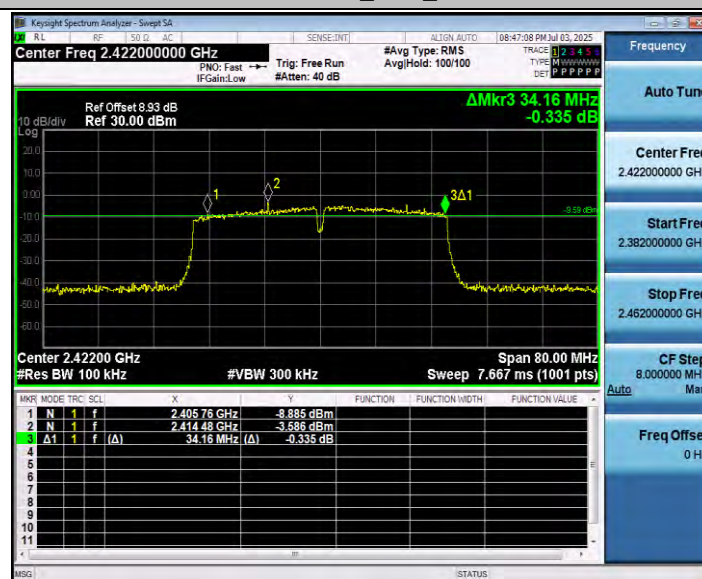
11N20SISO_Ant1_2437



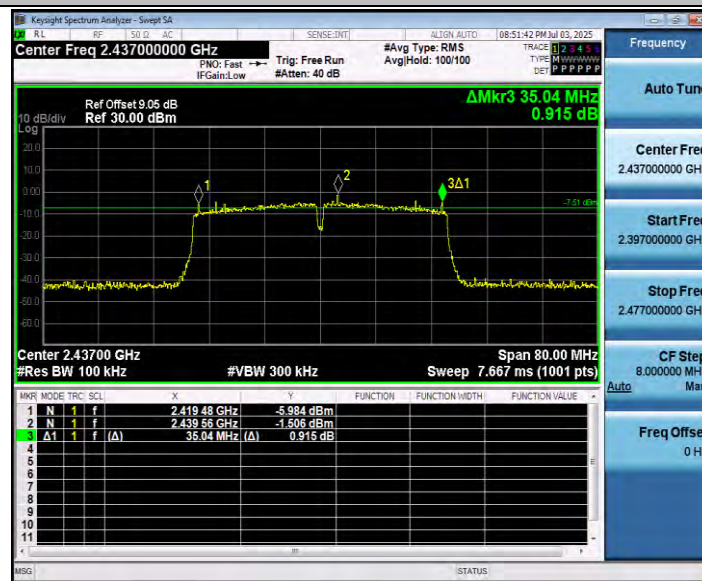
11N20SISO_Ant1_2462



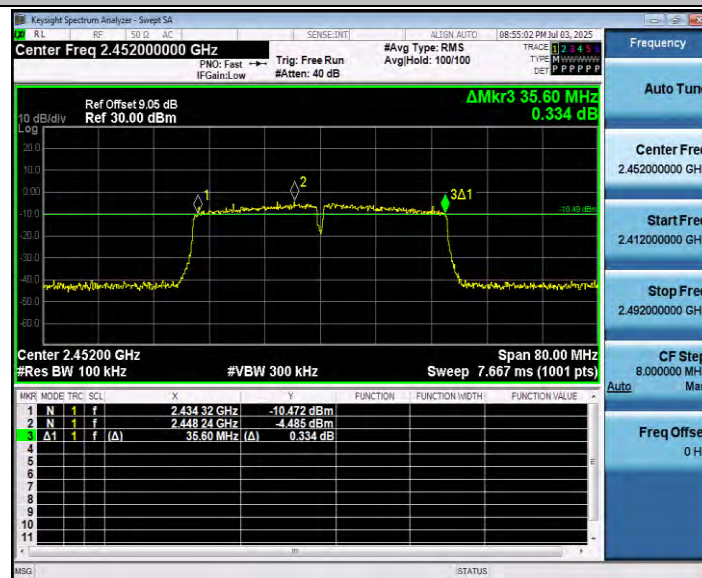
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



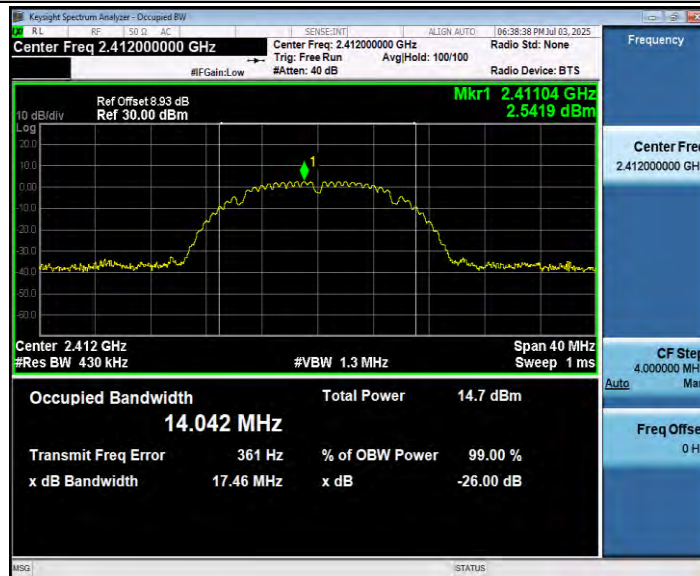
Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.042	2404.9794	2419.0214	---	---
		2437	14.009	2430.0288	2444.0378	---	---
		2462	13.997	2455.0030	2469.0000	---	---
11G	Ant1	2412	16.328	2403.8761	2420.2041	---	---
		2437	16.322	2428.8516	2445.1736	---	---
		2462	16.295	2453.8502	2470.1452	---	---
11N20SISO	Ant1	2412	17.372	2403.3475	2420.7195	---	---
		2437	17.460	2428.2727	2445.7327	---	---
		2462	17.435	2453.2650	2470.7000	---	---
11N40SISO	Ant1	2422	35.827	2404.1920	2440.0190	---	---
		2437	35.803	2419.1386	2454.9416	---	---
		2452	35.835	2434.1155	2469.9505	---	---

Test Graphs

11B_Ant1_2412



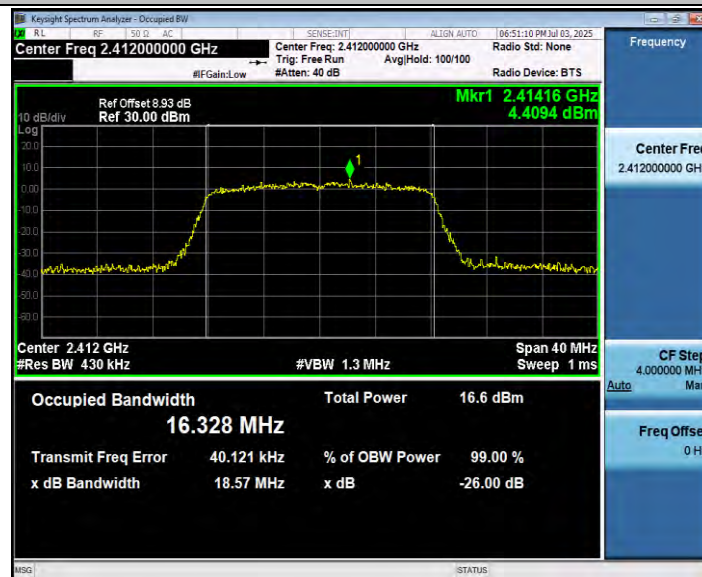
11B_Ant1_2437



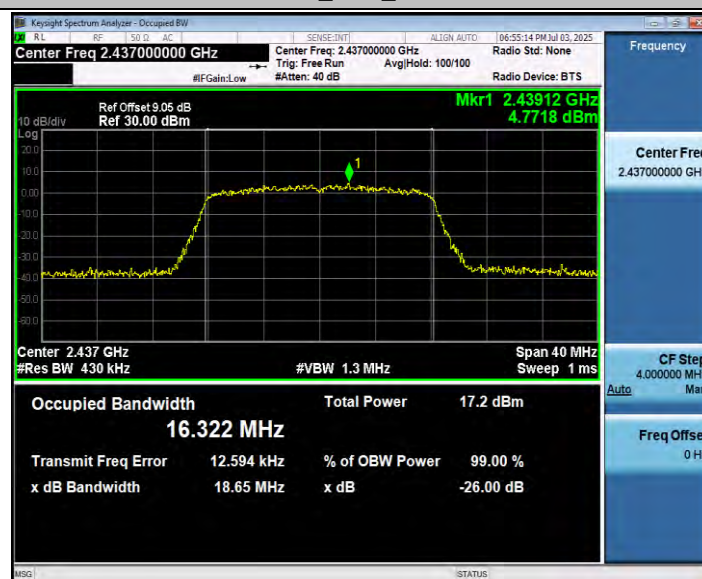
11B_Ant1_2462



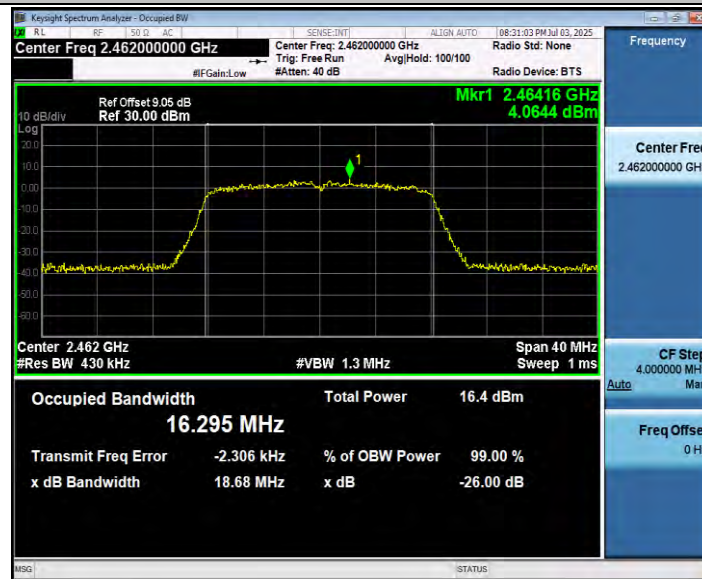
11G_Ant1_2412



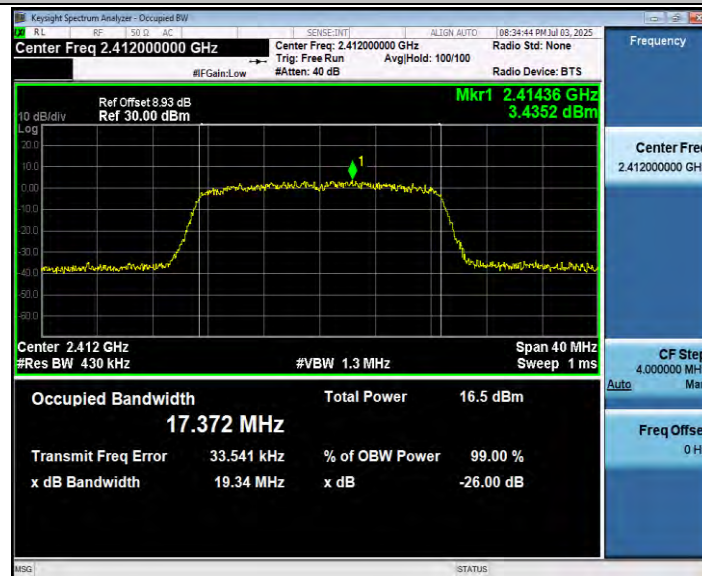
11G_Ant1_2437



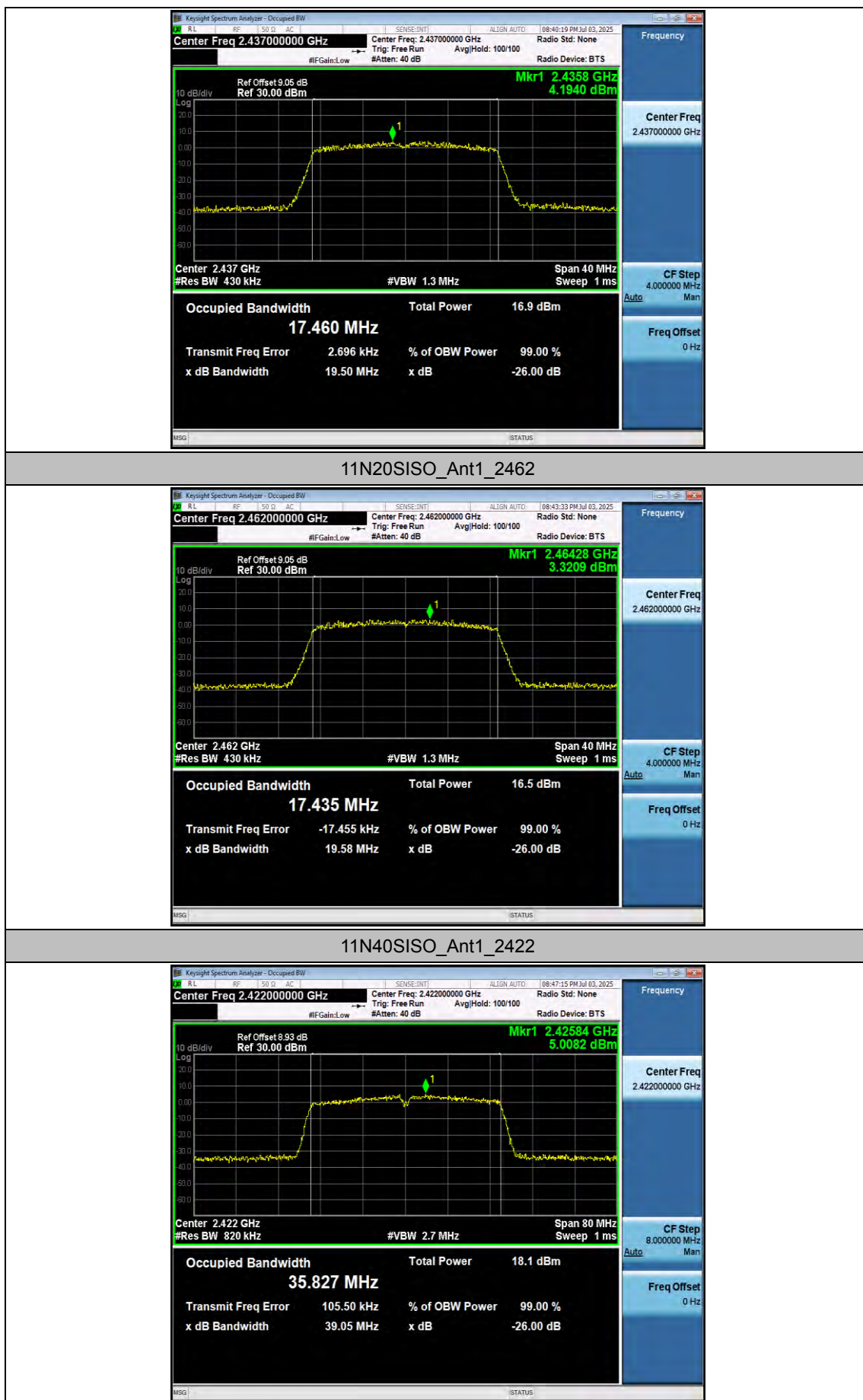
11G_Ant1_2462



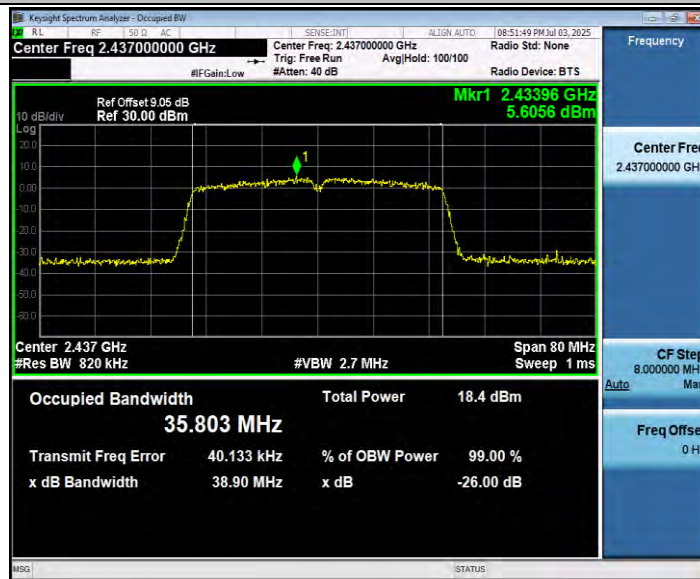
11N20SISO_Ant1_2412



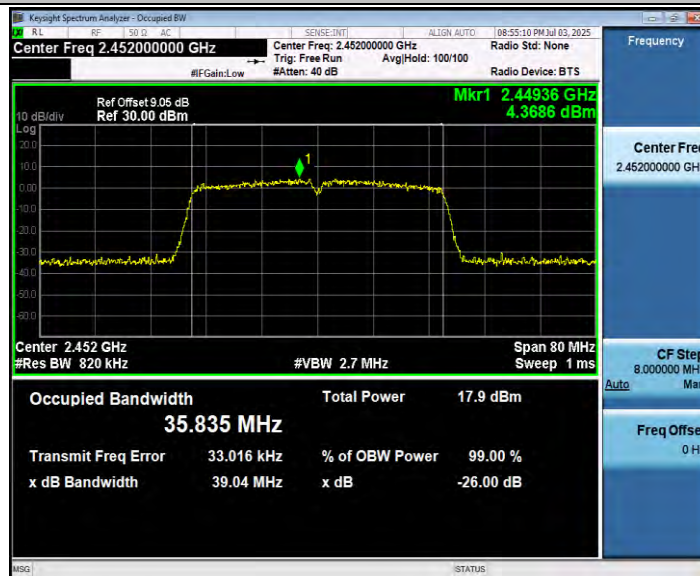
11N20SISO_Ant1_2437



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.3: Maximum conducted output power

Test Mode	Antenna	Frequency [MHz]	Set Power	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	---	14.74	≤30.00	PASS
		2437	---	15.44	≤30.00	PASS
		2462	---	15.94	≤30.00	PASS
11G	Ant1	2412	---	17.87	≤30.00	PASS
		2437	---	18.43	≤30.00	PASS
		2462	---	17.73	≤30.00	PASS
11N20SI SO	Ant1	2412	---	17.58	≤30.00	PASS
		2437	---	18.20	≤30.00	PASS
		2462	---	17.84	≤30.00	PASS
11N40SI SO	Ant1	2422	---	18.30	≤30.00	PASS
		2437	---	18.56	≤30.00	PASS
		2452	---	18.07	≤30.00	PASS

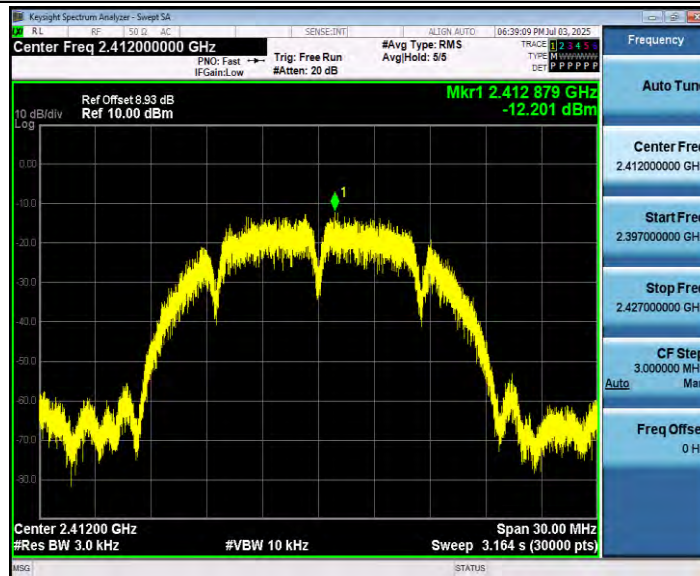
Appendix A.4: Maximum power spectral density

Test Result

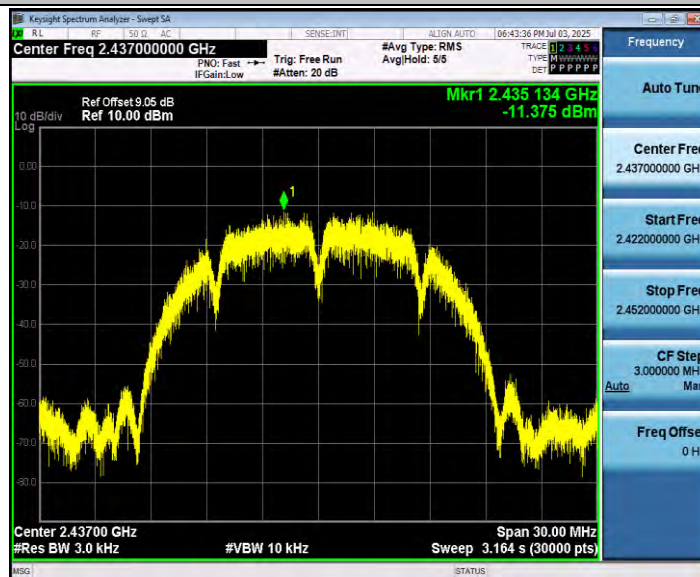
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.20	≤8.00	PASS
		2437	-11.38	≤8.00	PASS
		2462	-10.51	≤8.00	PASS
11G	Ant1	2412	-16.15	≤8.00	PASS
		2437	-15.39	≤8.00	PASS
		2462	-16.30	≤8.00	PASS
11N20SISO	Ant1	2412	-14.73	≤8.00	PASS
		2437	-14.28	≤8.00	PASS
		2462	-14.40	≤8.00	PASS
11N40SISO	Ant1	2422	-16.91	≤8.00	PASS
		2437	-16.72	≤8.00	PASS
		2452	-16.90	≤8.00	PASS

Test Graphs

11B_Ant1_2412



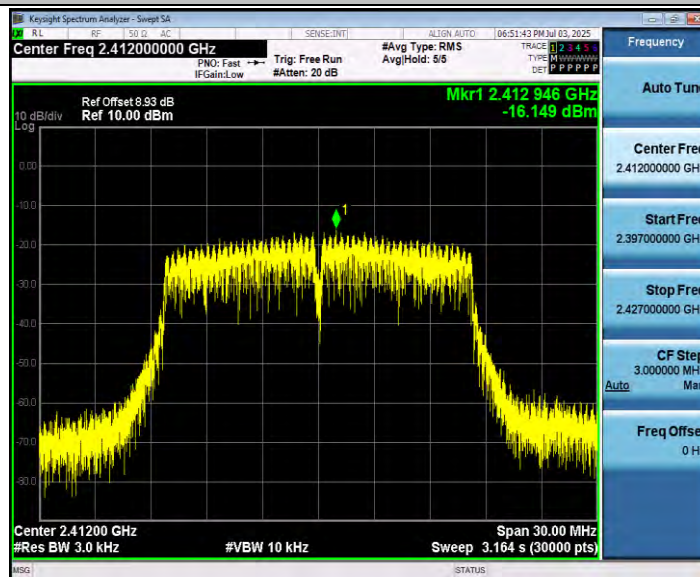
11B_Ant1_2437



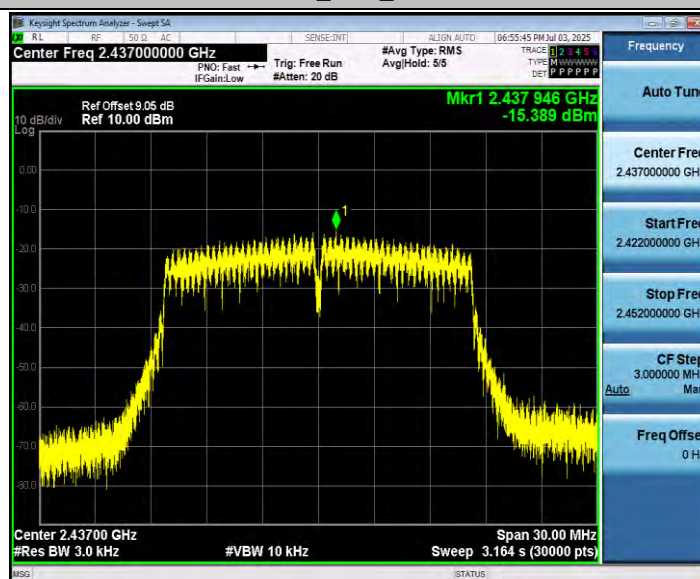
11B_Ant1_2462



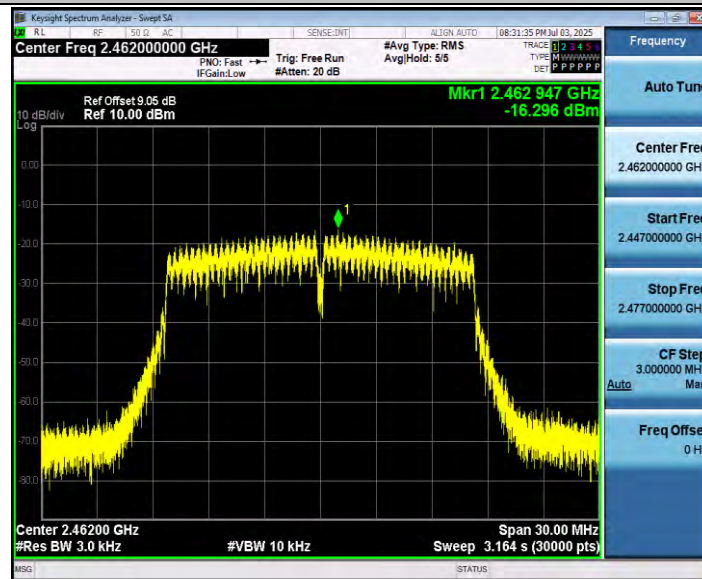
11G_Ant1_2412



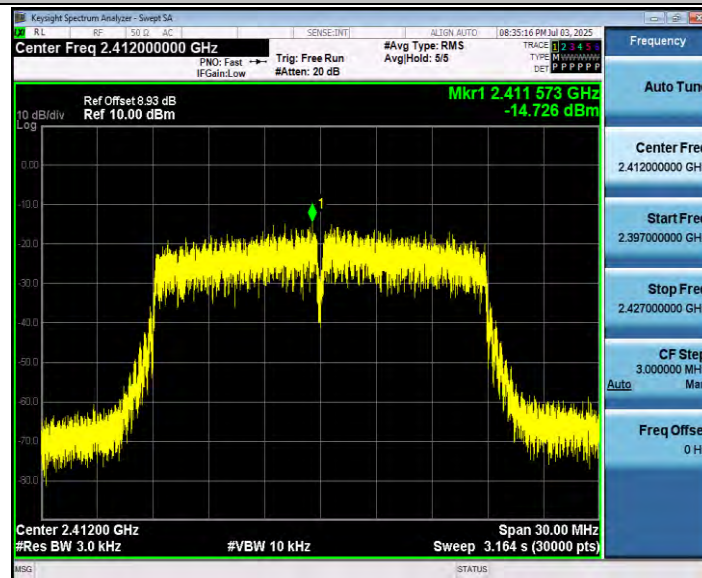
11G_Ant1_2437



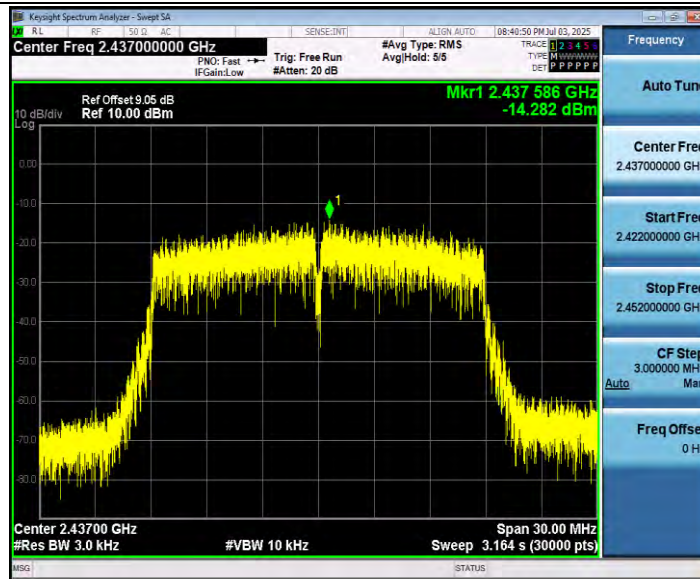
11G_Ant1_2462



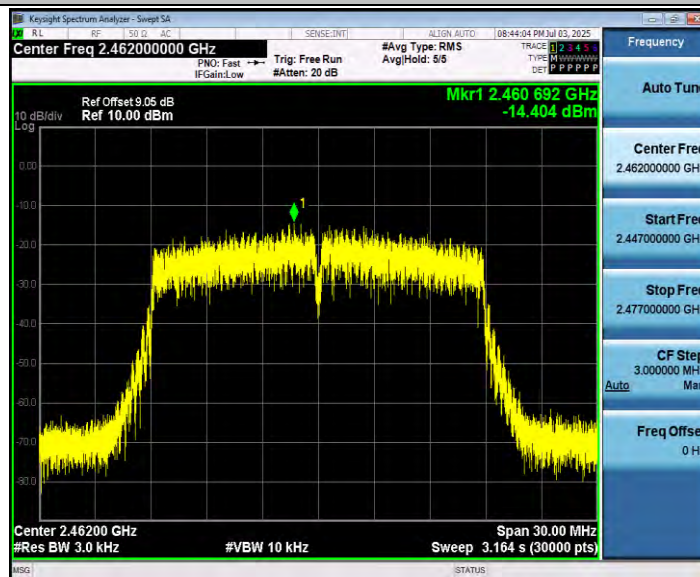
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



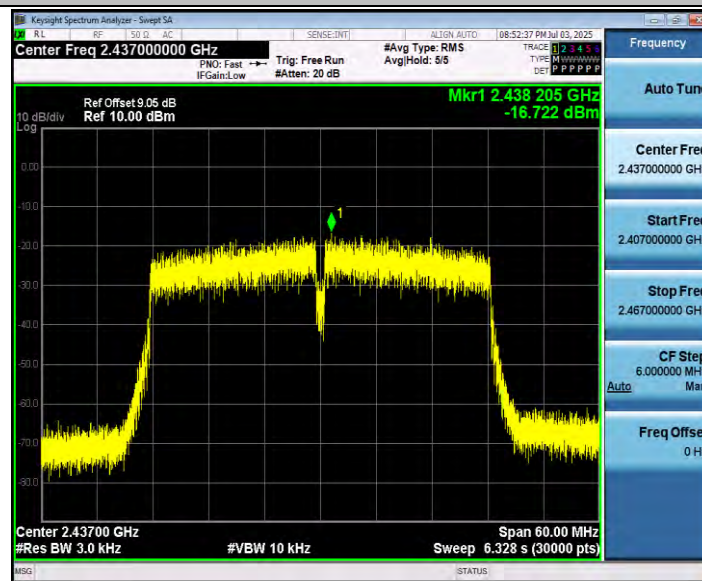
11N20SISO_Ant1_2462



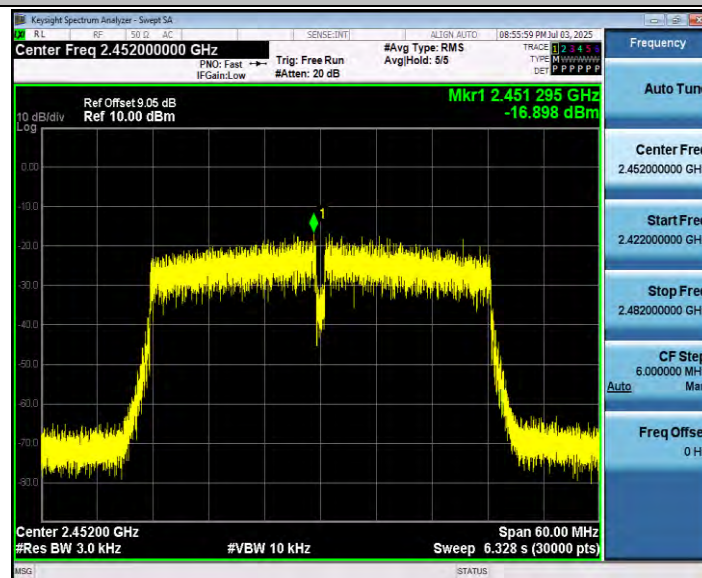
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

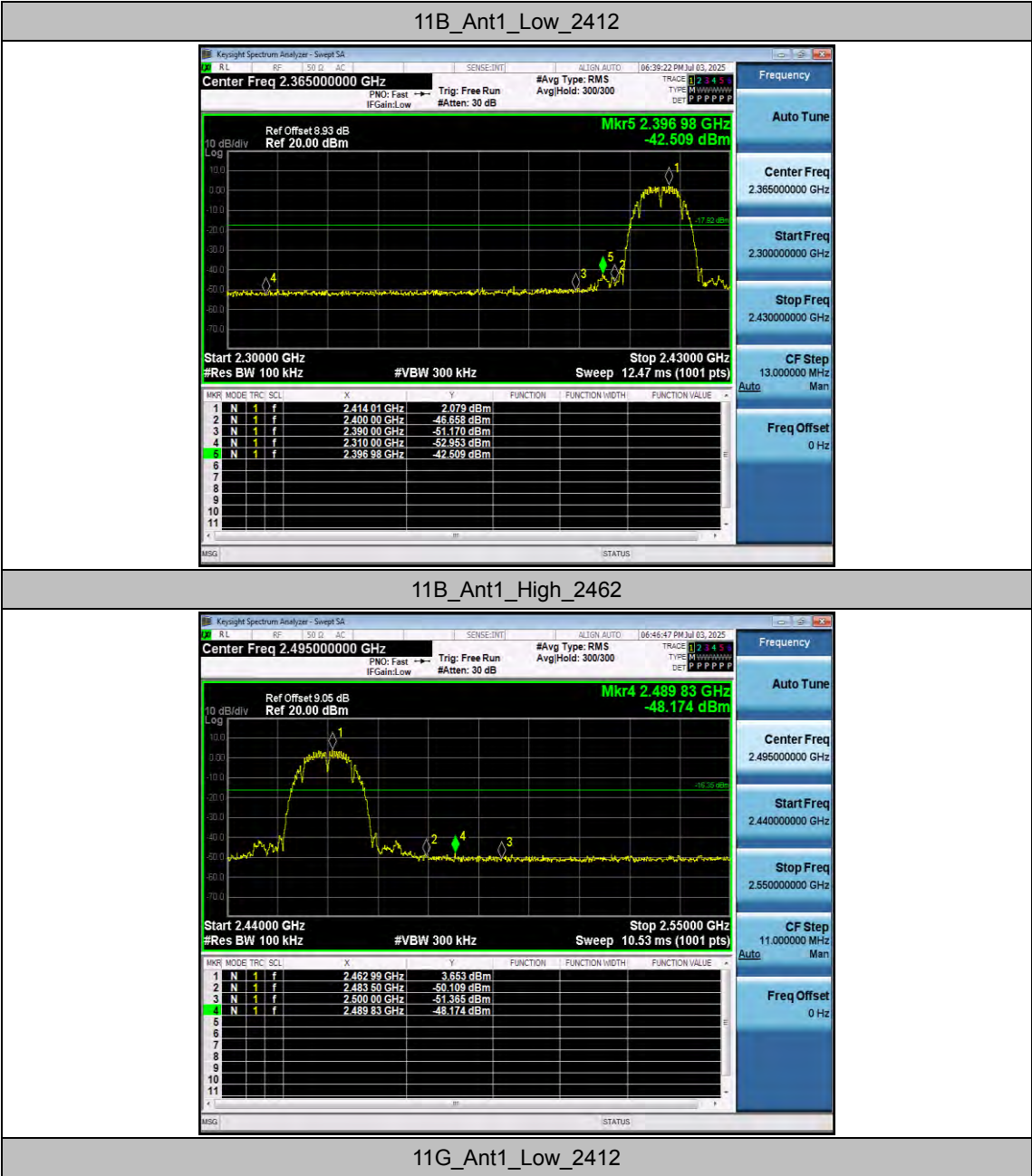


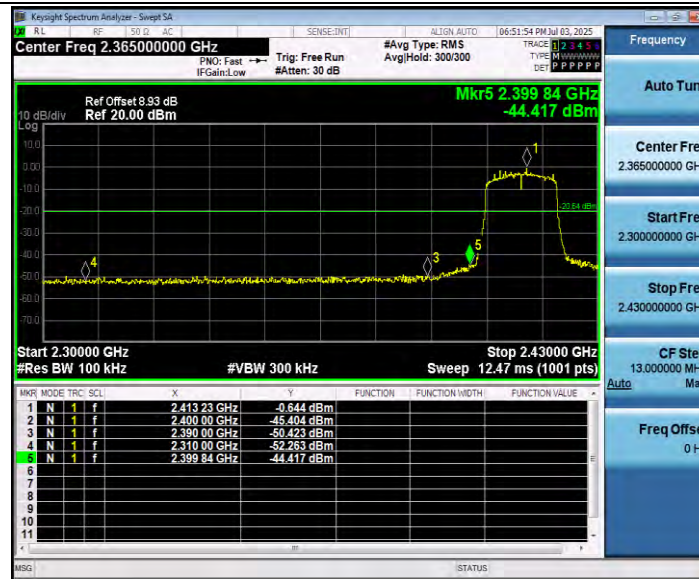
Appendix A.5: Band edge measurements

Test Result

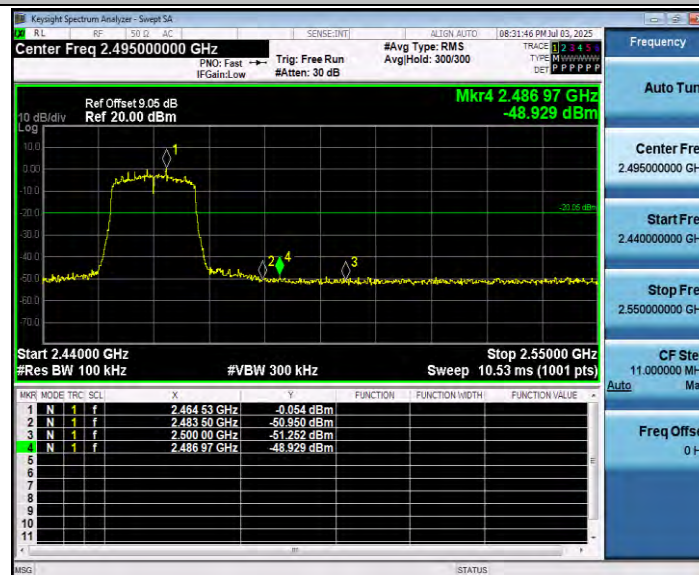
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.08	-42.51	≤-17.92	PASS
		High	2462	3.65	-48.17	≤-16.35	PASS
11G	Ant1	Low	2412	-0.64	-44.42	≤-20.64	PASS
		High	2462	-0.05	-48.93	≤-20.05	PASS
11N20SISO	Ant1	Low	2412	-1.16	-45.16	≤-21.16	PASS
		High	2462	0.36	-48.84	≤-19.64	PASS
11N40SISO	Ant1	Low	2422	-3.41	-45.68	≤-23.41	PASS
		High	2452	-3.04	-46.35	≤-23.04	PASS

Test Graphs

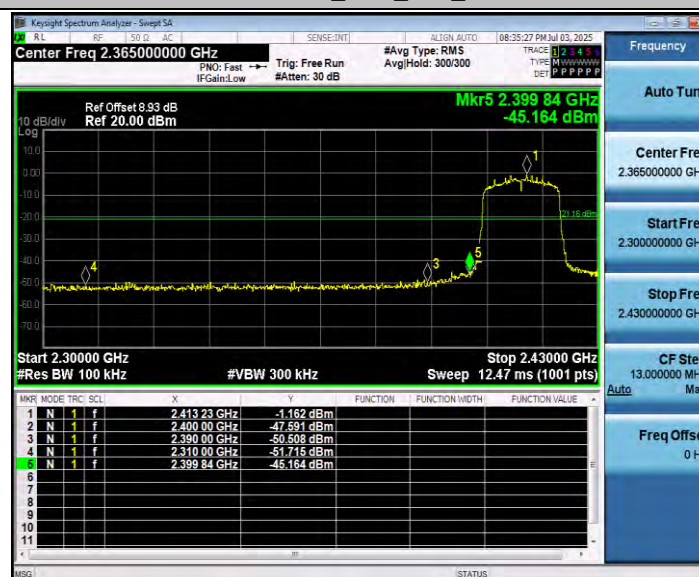




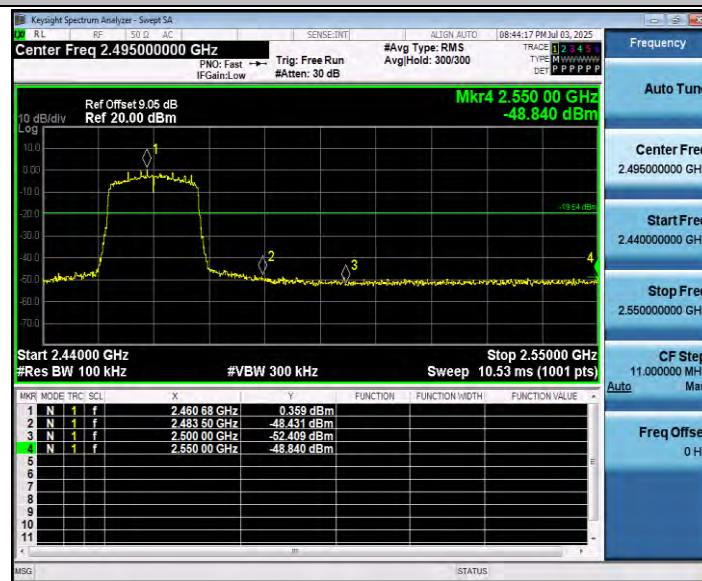
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



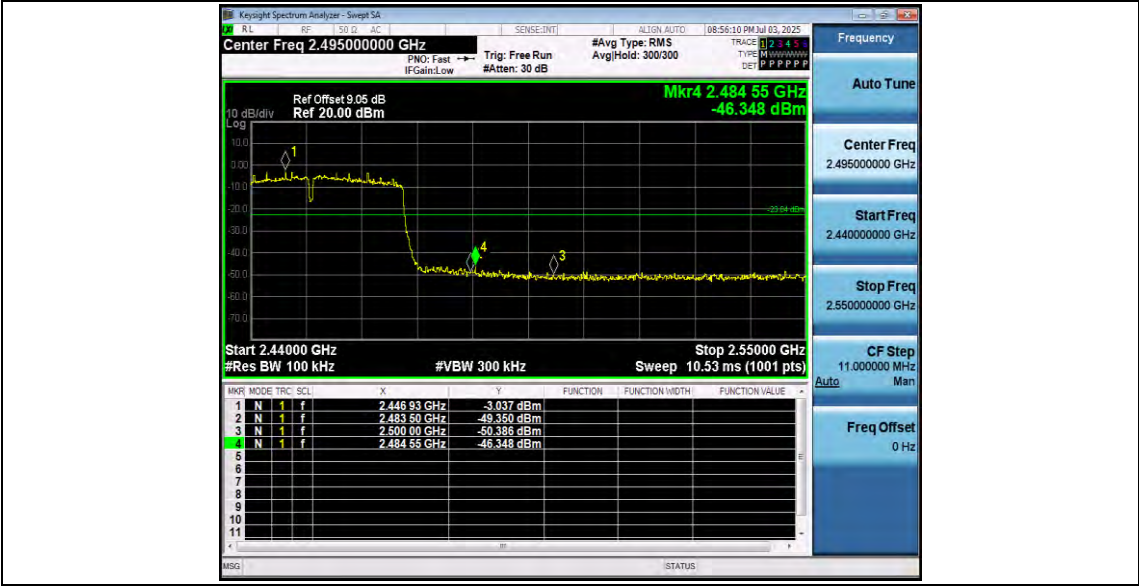
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

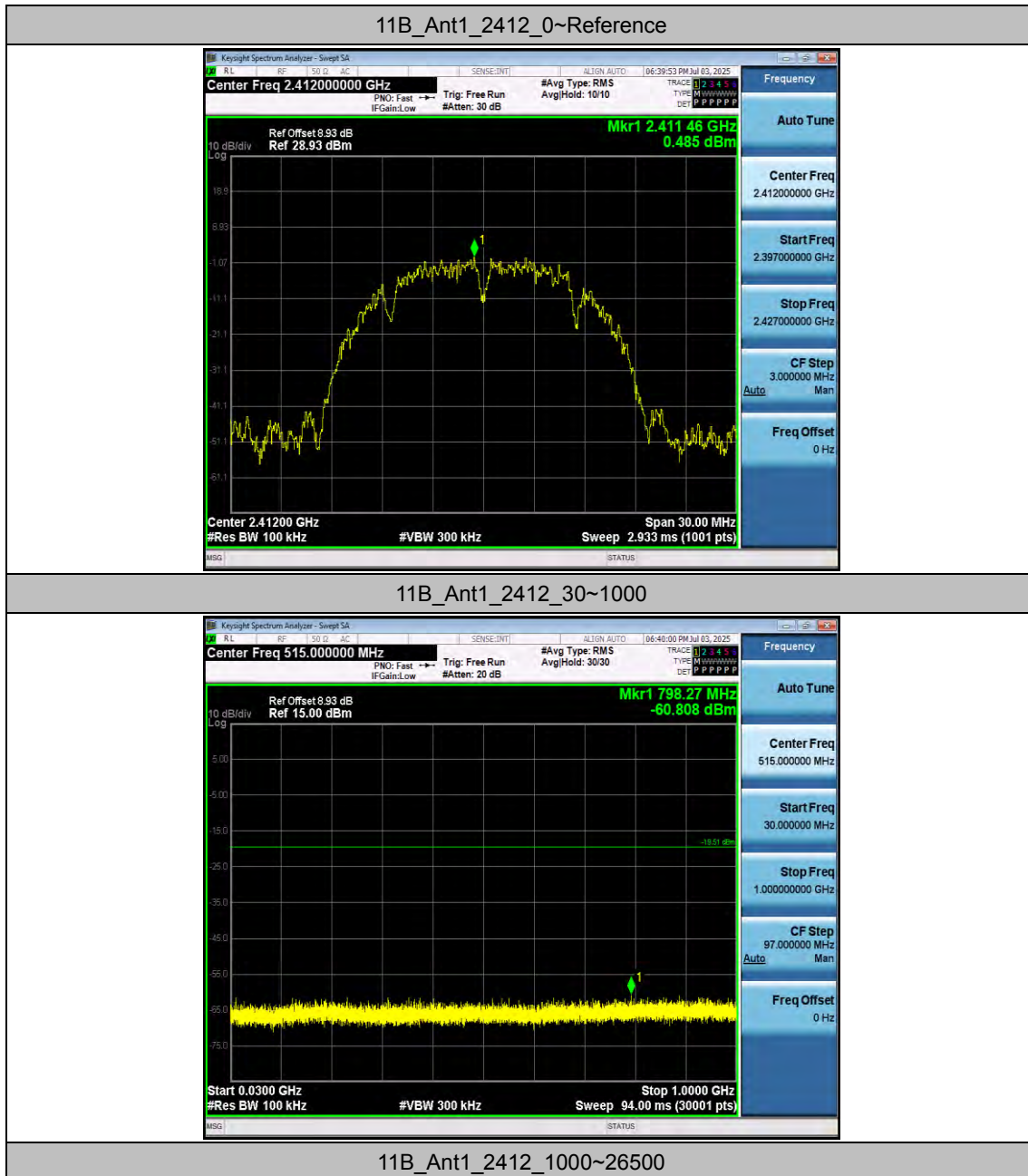


Appendix A.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	0.49	0.49	---	PASS
			30~1000	0.49	-60.81	≤ -19.51	PASS
			1000~26500	0.49	-47.32	≤ -19.51	PASS
		2437	Reference	0.39	0.39	---	PASS
			30~1000	0.39	-59.94	≤ -19.61	PASS
			1000~26500	0.39	-47.05	≤ -19.61	PASS
		2462	Reference	1.42	1.42	---	PASS
			30~1000	1.42	-60.21	≤ -18.58	PASS
			1000~26500	1.42	-47.66	≤ -18.58	PASS
11G	Ant1	2412	Reference	-3.63	-3.63	---	PASS
			30~1000	-3.63	-60.84	≤ -23.63	PASS
			1000~26500	-3.63	-47.6	≤ -23.63	PASS
		2437	Reference	-2.59	-2.59	---	PASS
			30~1000	-2.59	-59.88	≤ -22.59	PASS
			1000~26500	-2.59	-47.37	≤ -22.59	PASS
		2462	Reference	-3.66	-3.66	---	PASS
			30~1000	-3.66	-59.65	≤ -23.66	PASS
			1000~26500	-3.66	-47.75	≤ -23.66	PASS
11N20SISO	Ant1	2412	Reference	-3.73	-3.73	---	PASS
			30~1000	-3.73	-60.05	≤ -23.73	PASS
			1000~26500	-3.73	-47.93	≤ -23.73	PASS
		2437	Reference	-3.06	-3.06	---	PASS
			30~1000	-3.06	-60.14	≤ -23.06	PASS
			1000~26500	-3.06	-47.37	≤ -23.06	PASS
		2462	Reference	-3.47	-3.47	---	PASS
			30~1000	-3.47	-60.33	≤ -23.47	PASS
			1000~26500	-3.47	-47.26	≤ -23.47	PASS
11N40SISO	Ant1	2422	Reference	-5.45	-5.45	---	PASS
			30~1000	-5.45	-60.55	≤ -25.45	PASS
			1000~26500	-5.45	-47.3	≤ -25.45	PASS
		2437	Reference	-5.59	-5.59	---	PASS
			30~1000	-5.59	-60.21	≤ -25.59	PASS
			1000~26500	-5.59	-47.88	≤ -25.59	PASS
		2452	Reference	-5.45	-5.45	---	PASS
			30~1000	-5.45	-59.92	≤ -25.45	PASS
			1000~26500	-5.45	-46.62	≤ -25.45	PASS

Test Graphs

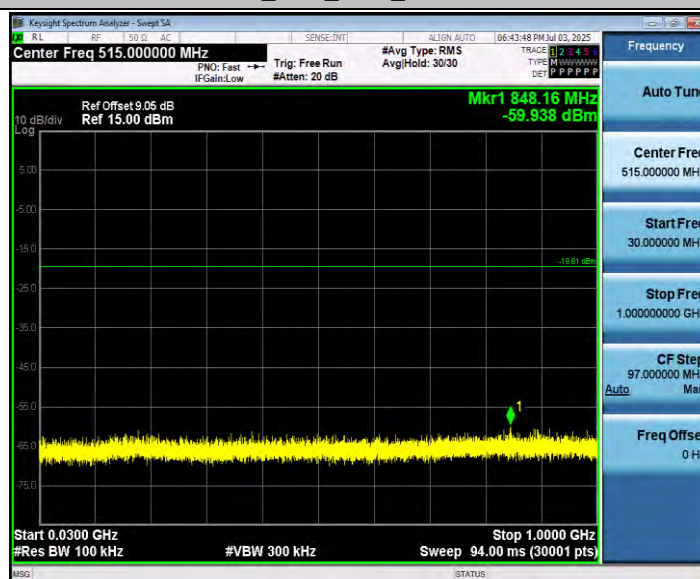




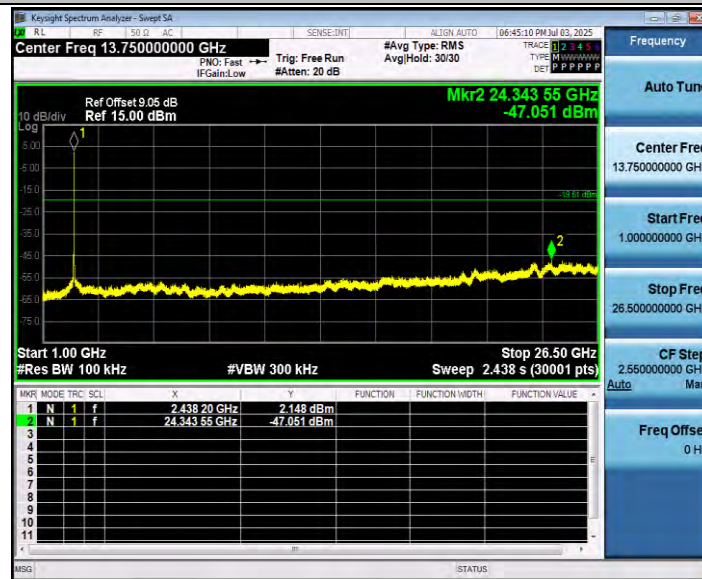
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



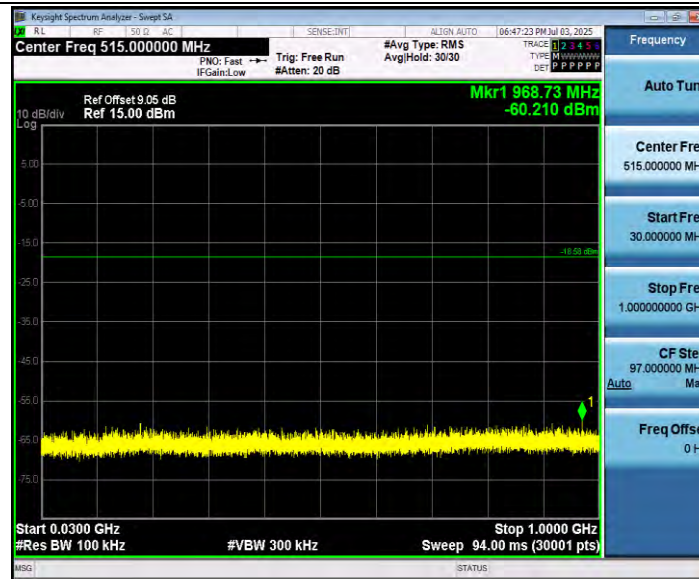
11B_Ant1_2437_1000~26500



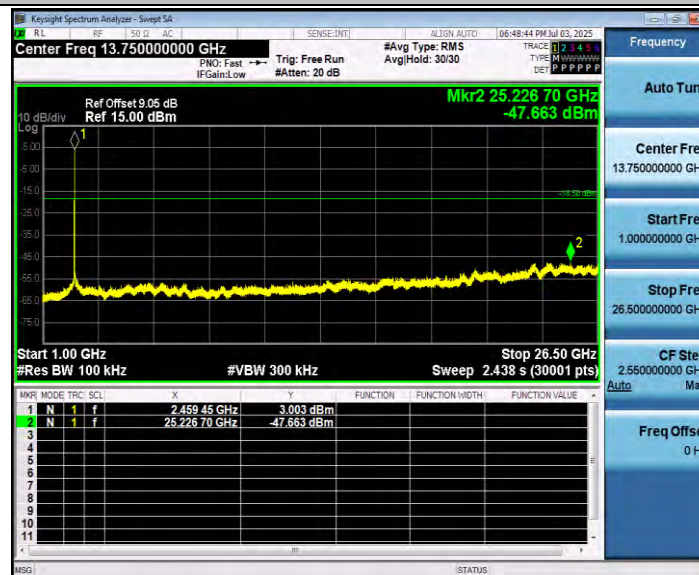
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000

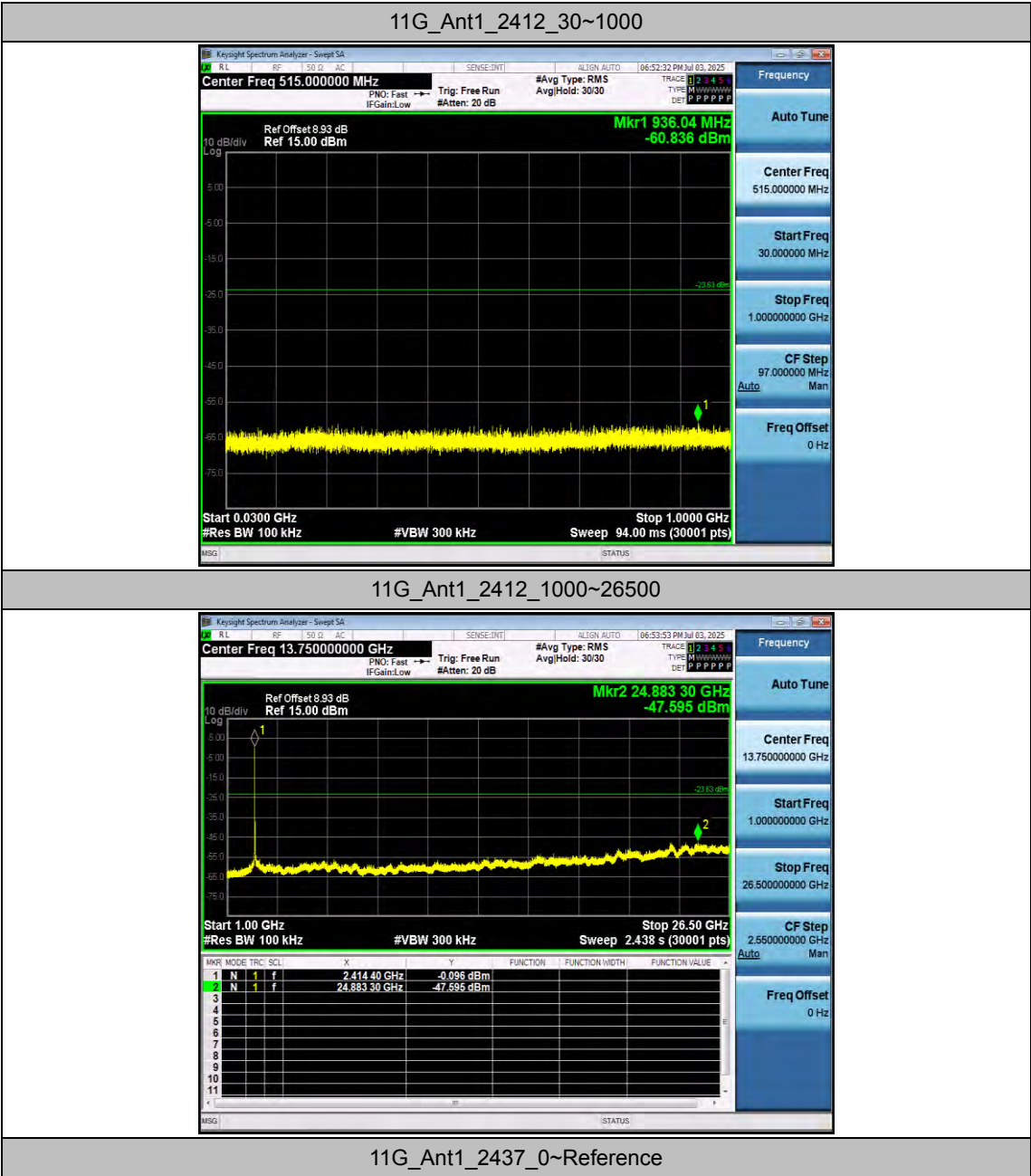


11B_Ant1_2462_1000~26500



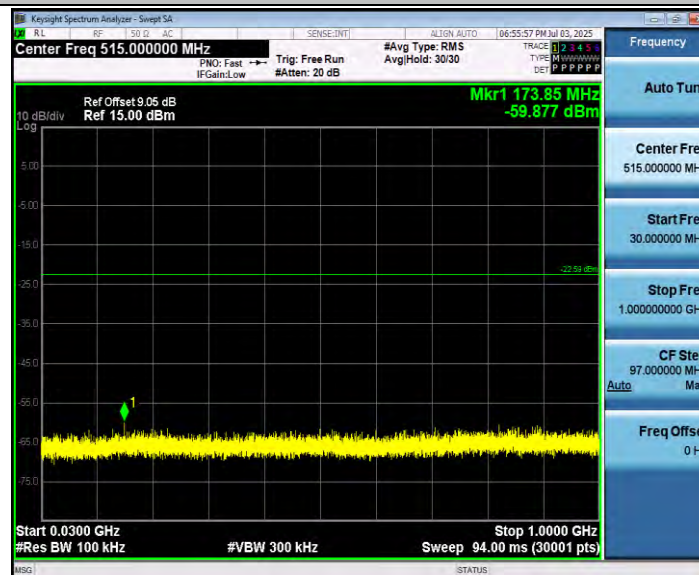
11G_Ant1_2412_0~Reference







11G_Ant1_2437_30~1000



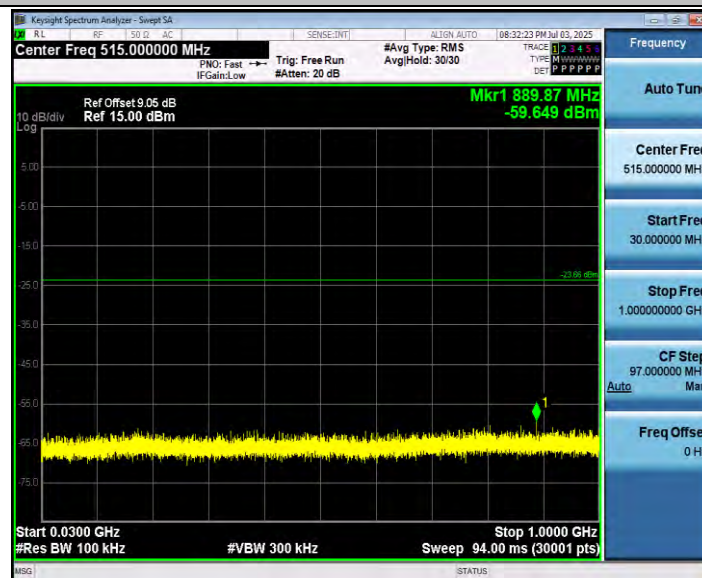
11G_Ant1_2437_1000~26500



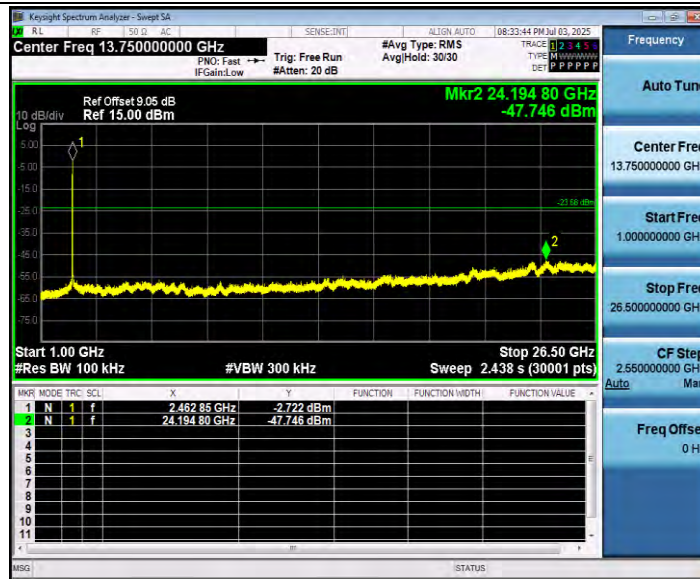
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



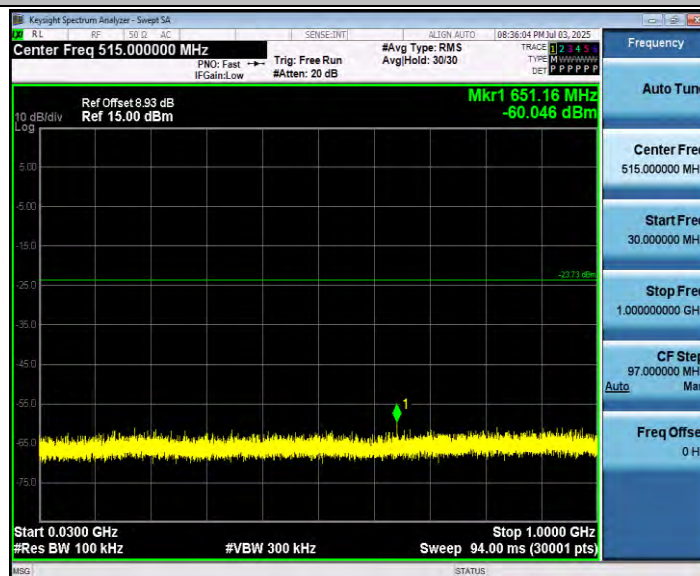
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



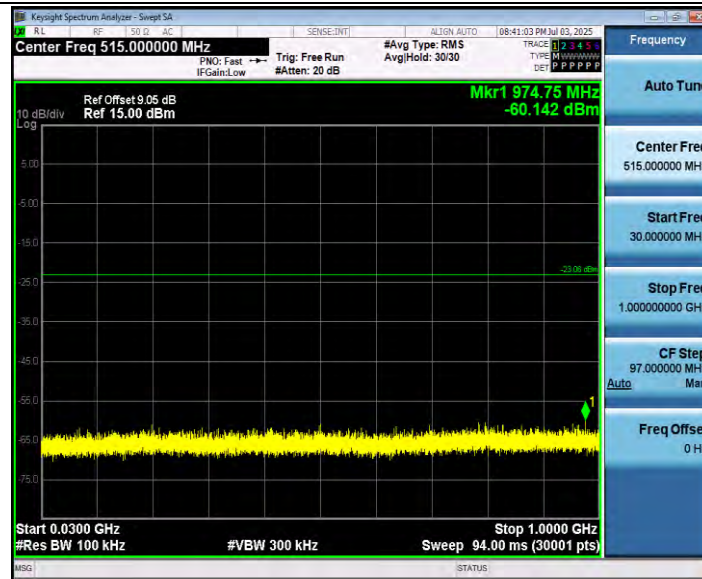
11N20SISO_Ant1_2412_1000~26500



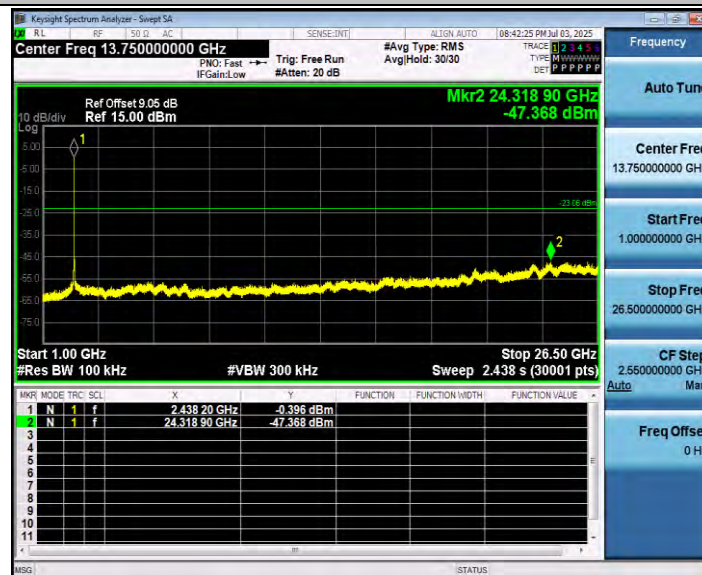
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



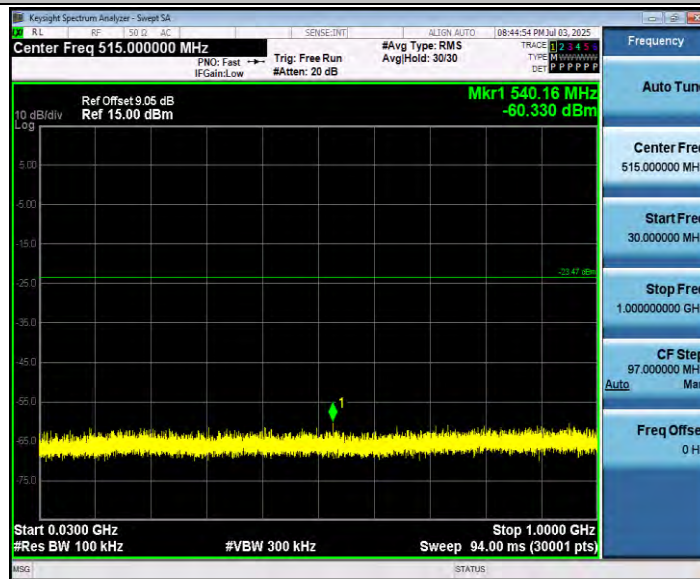
11N20SISO_Ant1_2437_1000~26500



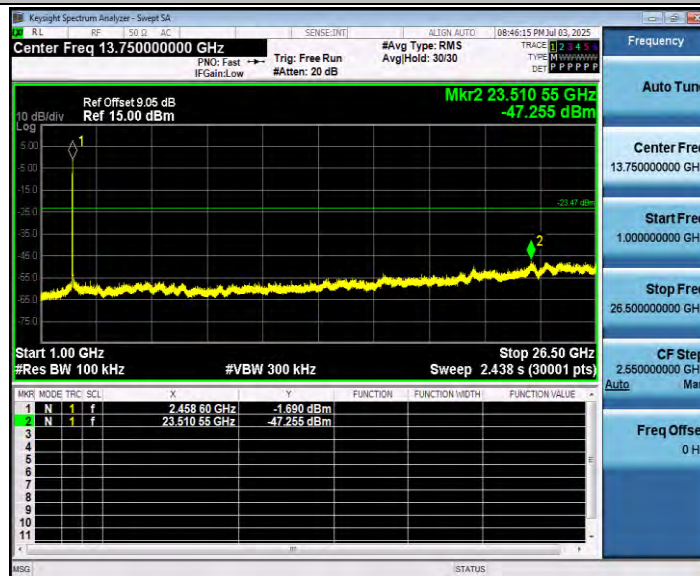
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



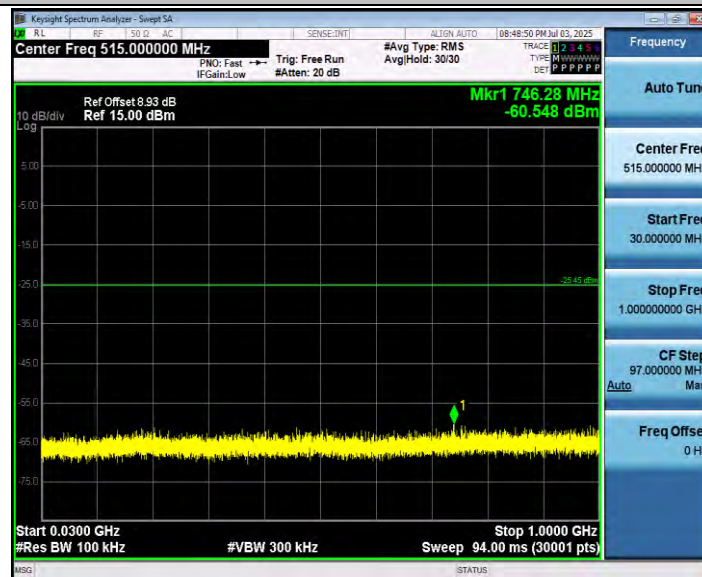
11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



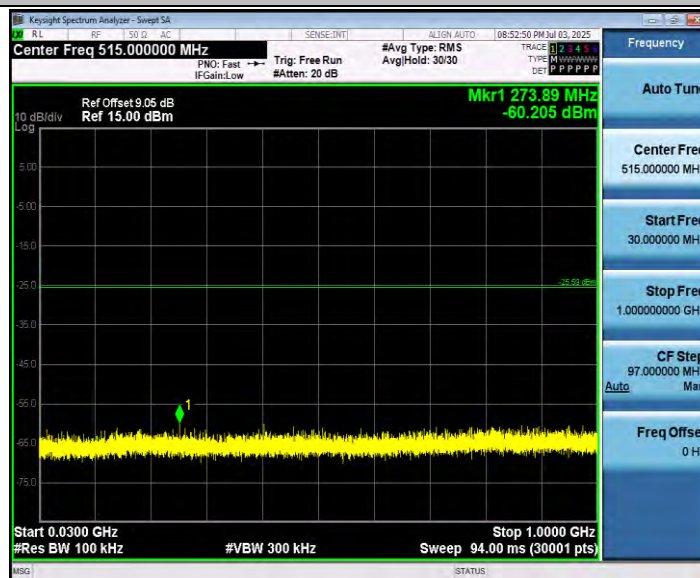
11N40SISO_Ant1_2422_1000~26500



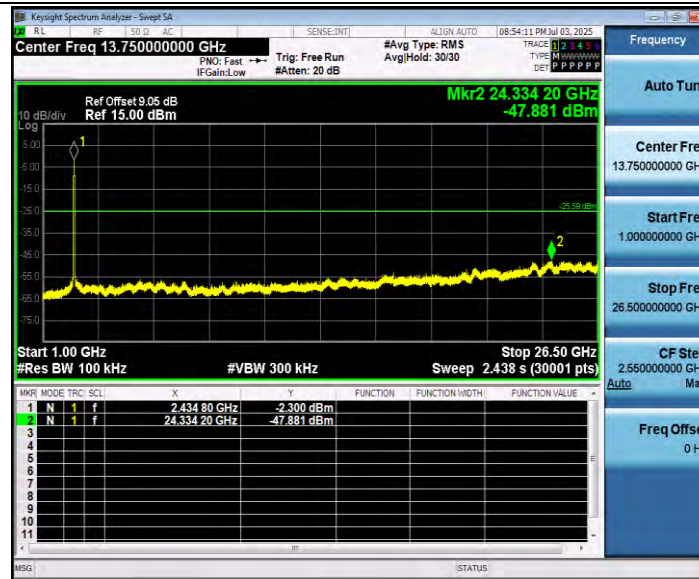
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



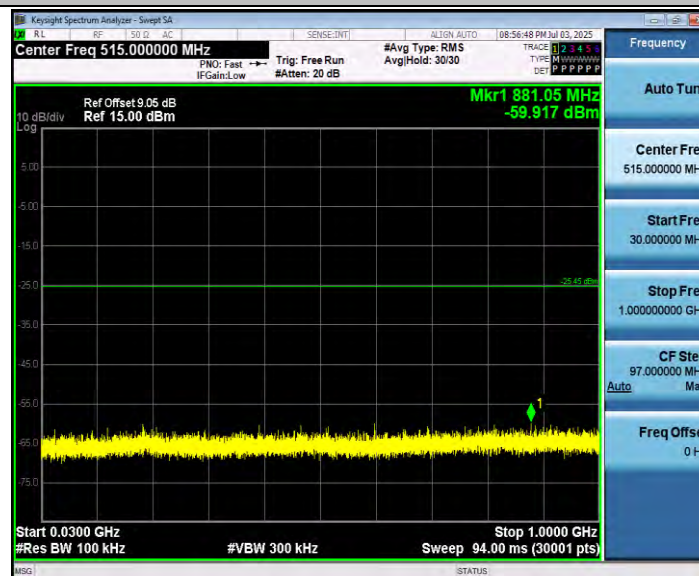
11N40SISO_Ant1_2437_1000~26500

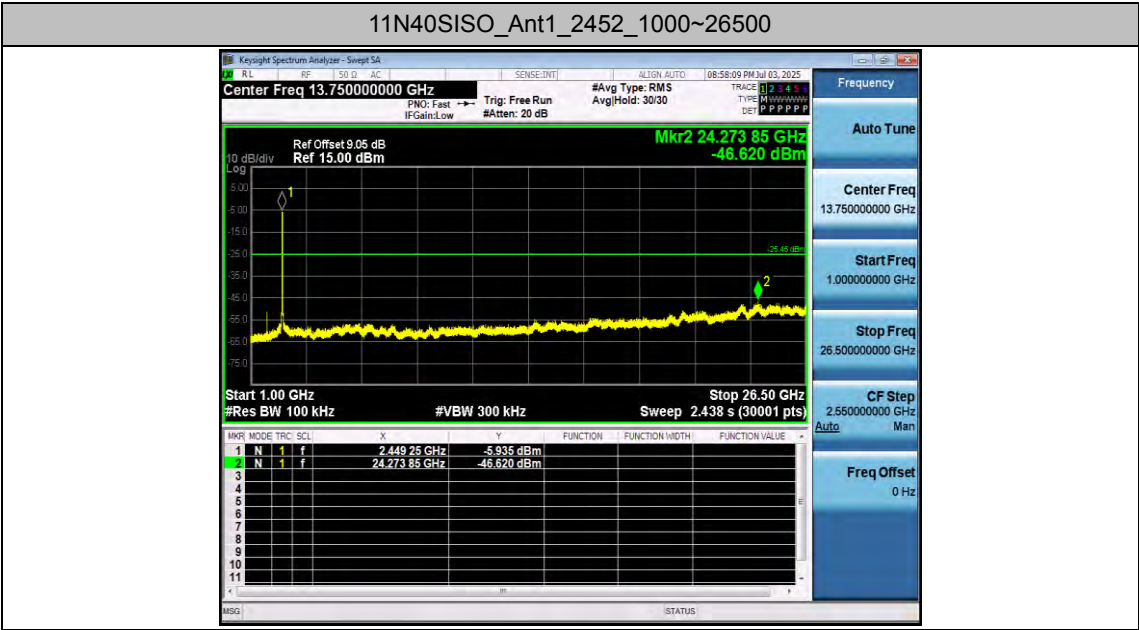


11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000





Appendix A.7: Emissions in Restricted Bands

Test Result

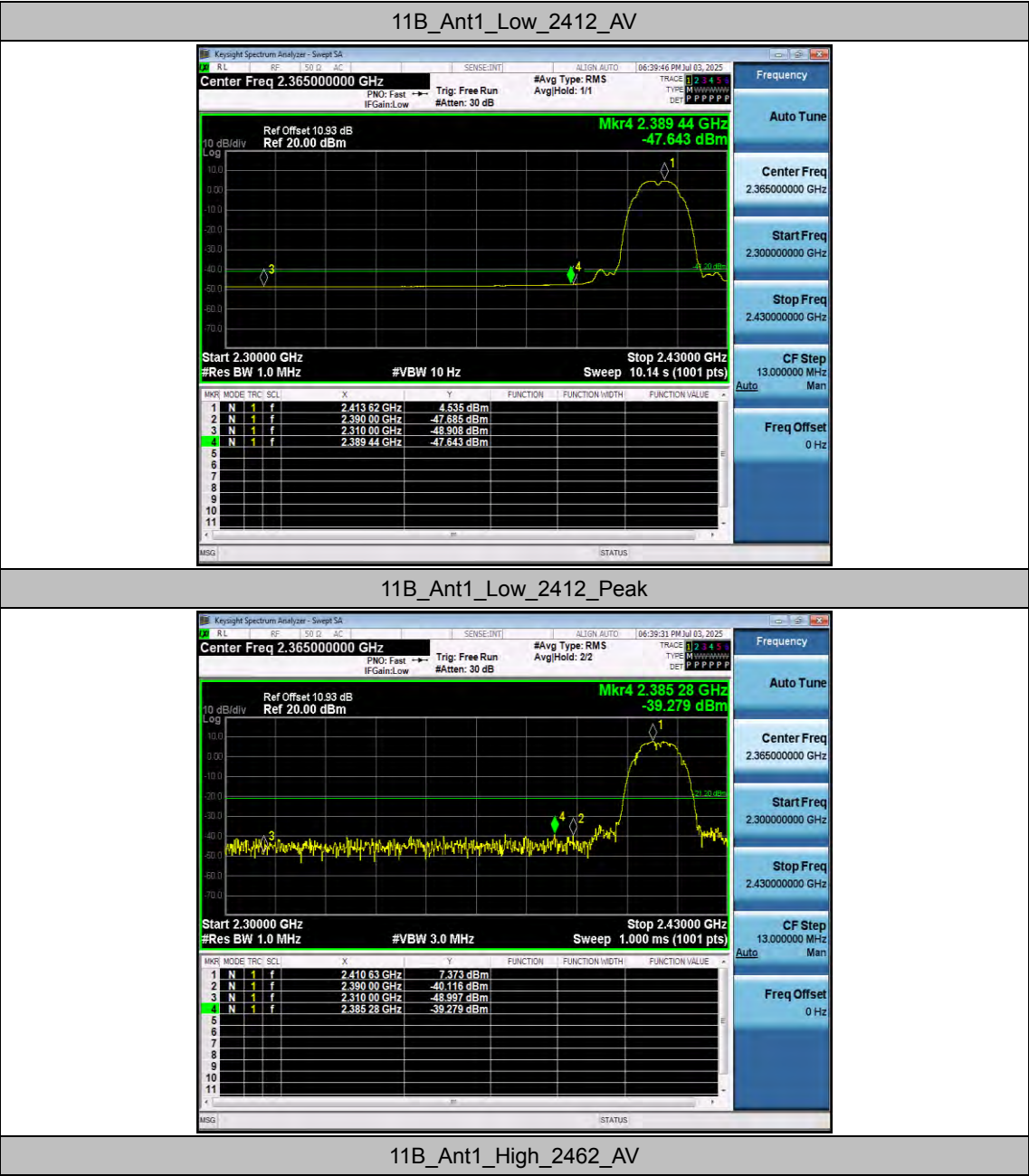
TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-48.91	≤-41.20	46.29	≤54	PASS
				AV	2389.440	-47.64	≤-41.20	47.56	≤54	PASS
				AV	2390.000	-47.69	≤-41.20	47.51	≤54	PASS
				Peak	2310.000	-49	≤-21.20	46.20	≤74	PASS
				Peak	2385.280	-39.28	≤-21.20	55.92	≤74	PASS
				Peak	2390.000	-40.12	≤-21.20	55.08	≤74	PASS
		High	2462	AV	2483.500	-47.17	≤-41.20	48.03	≤54	PASS
				AV	2483.560	-47.15	≤-41.20	48.05	≤54	PASS
				AV	2500.000	-47.74	≤-41.20	47.46	≤54	PASS
				Peak	2483.500	-48.93	≤-21.20	46.27	≤74	PASS
				Peak	2496.980	-39.33	≤-21.20	55.87	≤74	PASS
				Peak	2500.000	-39.98	≤-21.20	55.22	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.15	≤-41.20	46.05	≤54	PASS
				AV	2389.960	-47.8	≤-41.20	47.40	≤54	PASS
				AV	2390.000	-47.8	≤-41.20	47.40	≤54	PASS
				Peak	2310.000	-43.9	≤-21.20	51.30	≤74	PASS
				Peak	2310.790	-39.92	≤-21.20	55.28	≤74	PASS
				Peak	2390.000	-40.4	≤-21.20	54.80	≤74	PASS
		High	2462	AV	2483.500	-47.49	≤-41.20	47.71	≤54	PASS
				AV	2483.560	-47.48	≤-41.20	47.72	≤54	PASS
				AV	2500.000	-48.14	≤-41.20	47.06	≤54	PASS
				Peak	2483.500	-44.97	≤-21.20	50.23	≤74	PASS
				Peak	2484.110	-38.9	≤-21.20	56.30	≤74	PASS
				Peak	2500.000	-45.17	≤-21.20	50.03	≤74	PASS
11N20SISO	Ant1	Low	2412	AV	2310.000	-49.35	≤-41.20	45.85	≤54	PASS
				AV	2389.960	-48.01	≤-41.20	47.19	≤54	PASS
				AV	2390.000	-48.01	≤-41.20	47.19	≤54	PASS
				Peak	2310.000	-45.78	≤-21.20	49.42	≤74	PASS
				Peak	2350.310	-40.85	≤-21.20	54.35	≤74	PASS
				Peak	2390.000	-43.37	≤-21.20	51.83	≤74	PASS
		High	2462	AV	2483.500	-47.28	≤-41.20	47.92	≤54	PASS
				AV	2483.560	-47.34	≤-41.20	47.86	≤54	PASS
				AV	2500.000	-48.13	≤-41.20	47.07	≤54	PASS
				Peak	2483.500	-46.52	≤-21.20	48.68	≤74	PASS

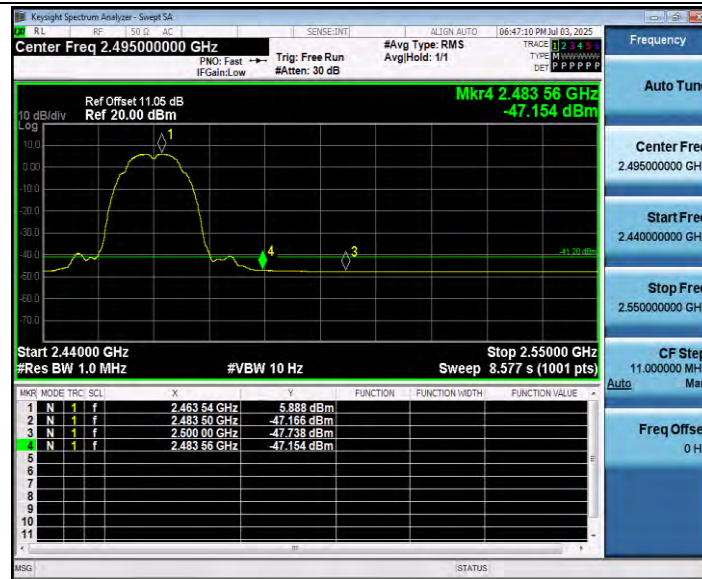
11N40SIS O	Ant1			Peak	2491.700	-39.98	≤ -21.20	55.22	≤ 74	PASS
				Peak	2500.000	-44.72	≤ -21.20	50.48	≤ 74	PASS
		Low	2422	AV	2310.000	-49.02	≤ -41.20	46.18	≤ 54	PASS
				AV	2389.960	-46.68	≤ -41.20	48.52	≤ 54	PASS
				AV	2390.000	-46.68	≤ -41.20	48.52	≤ 54	PASS
				Peak	2310.000	-46.23	≤ -21.20	48.97	≤ 74	PASS
				Peak	2377.610	-39.68	≤ -21.20	55.52	≤ 74	PASS
				Peak	2390.000	-46.95	≤ -21.20	48.25	≤ 74	PASS
		High	2452	AV	2483.500	-46.48	≤ -41.20	48.72	≤ 54	PASS
				AV	2483.560	-46.47	≤ -41.20	48.73	≤ 54	PASS
				AV	2500.000	-48.11	≤ -41.20	47.09	≤ 54	PASS
				Peak	2483.500	-43.9	≤ -21.20	51.30	≤ 74	PASS
				Peak	2487.960	-36.82	≤ -21.20	58.38	≤ 74	PASS
				Peak	2500.000	-43.78	≤ -21.20	51.42	≤ 74	PASS

Note:

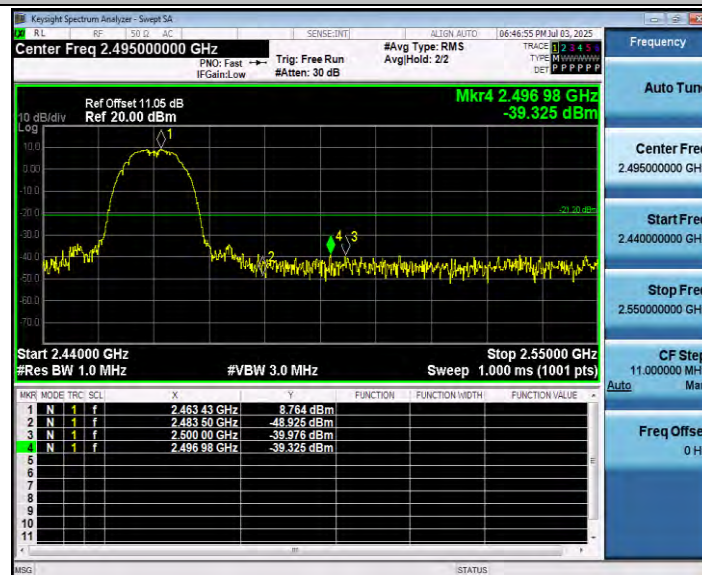
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

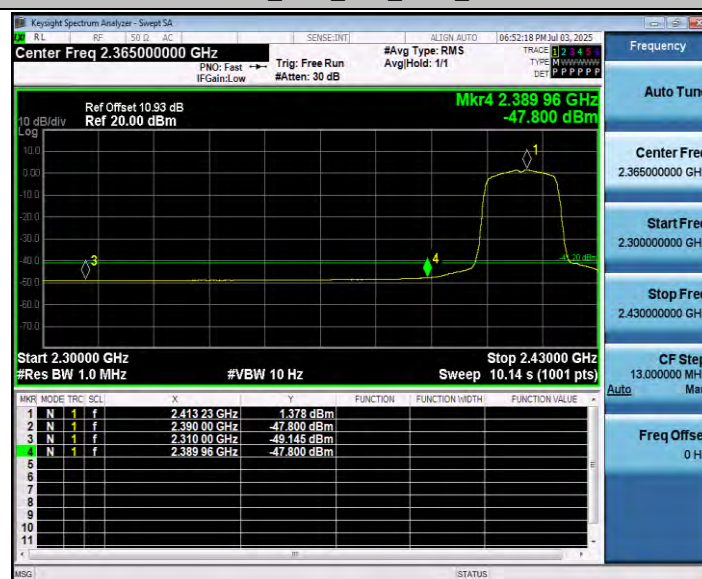




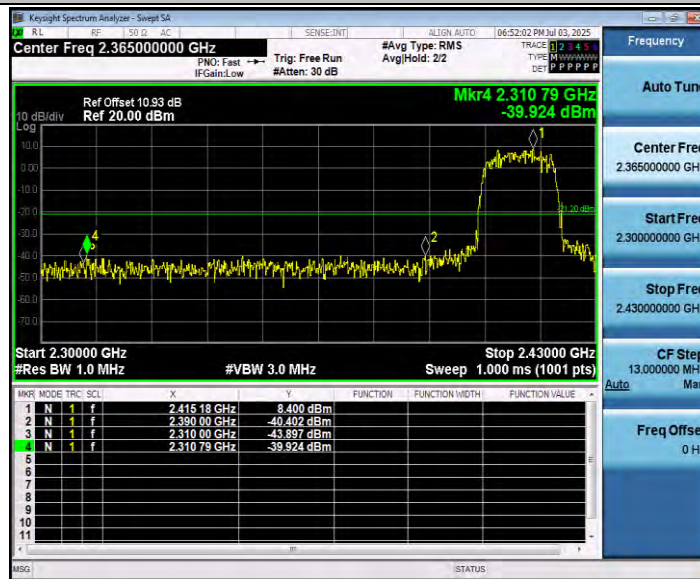
11B_Ant1_High_2462_Peak



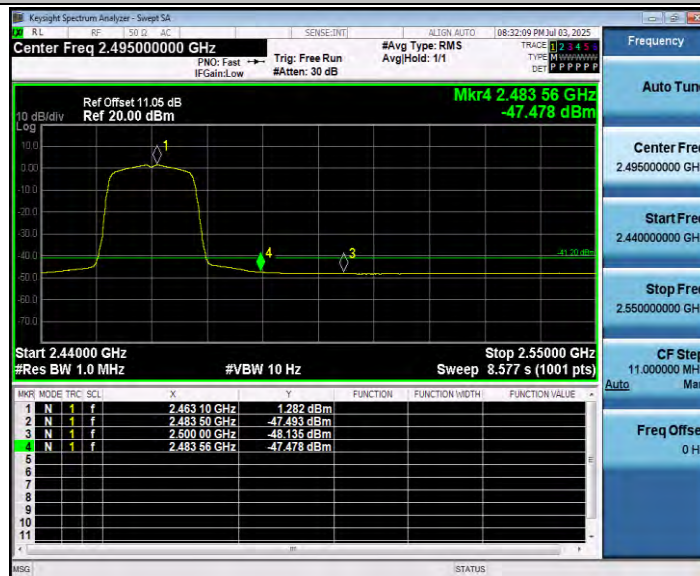
11G_Ant1_Low_2412_AV



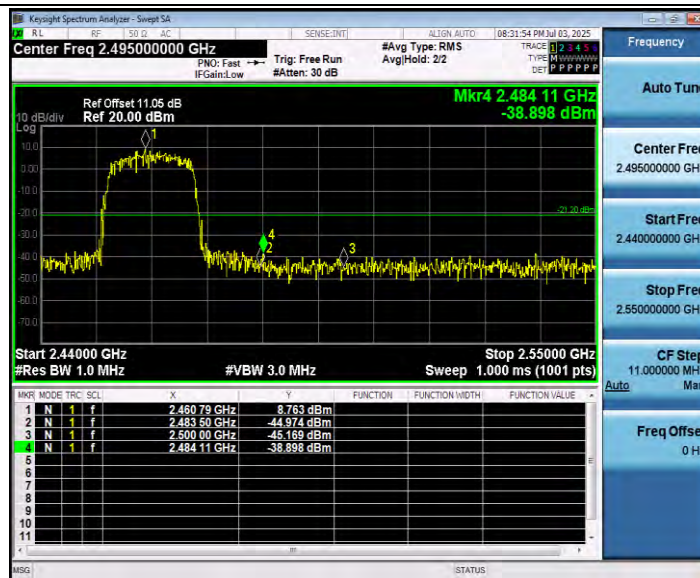
11G_Ant1_Low_2412_Peak



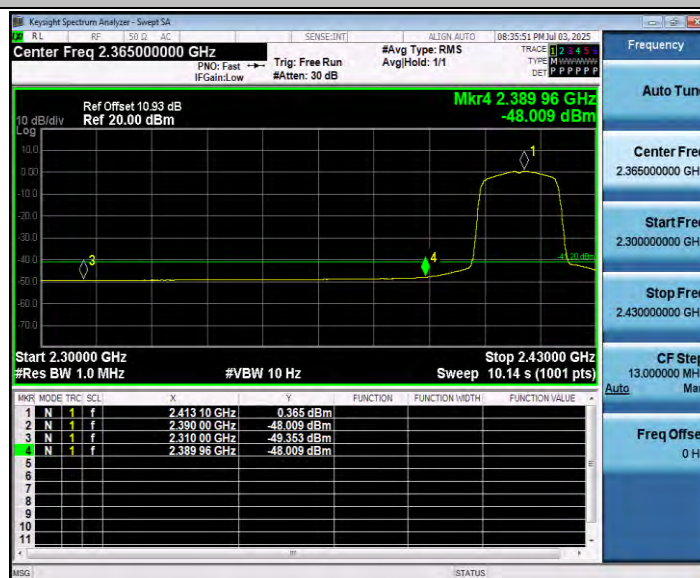
11G_Ant1_High_2462_AV



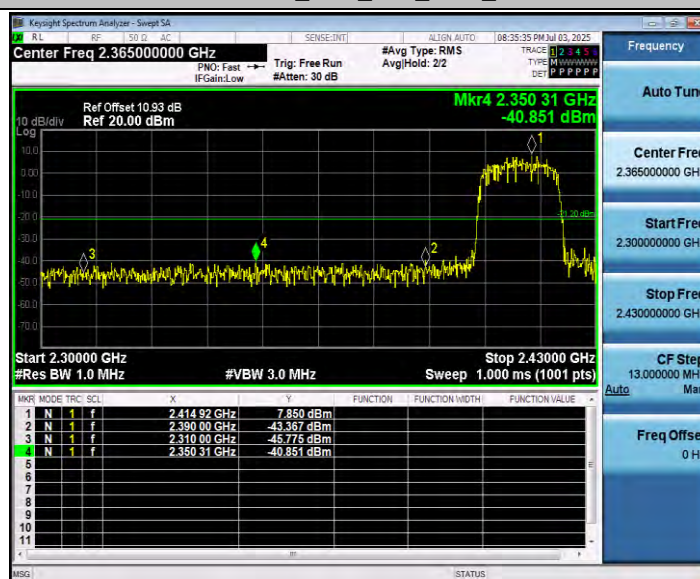
11G_Ant1_High_2462_Peak



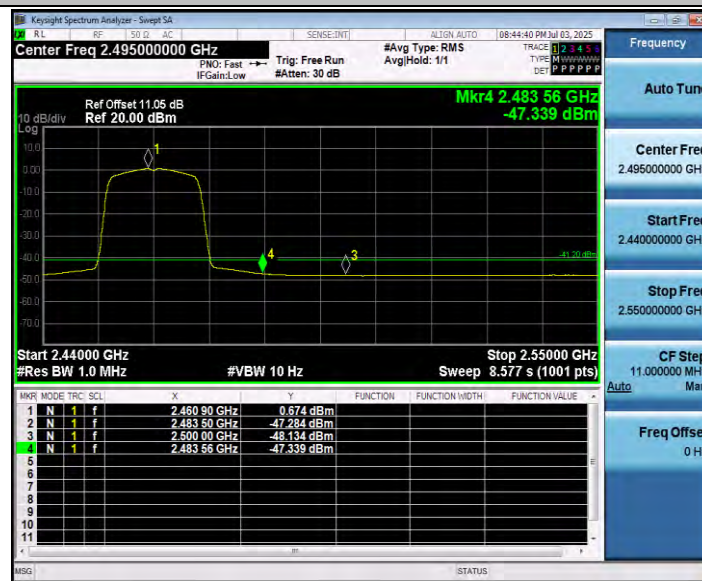
11N20SISO_Ant1_Low_2412_AV



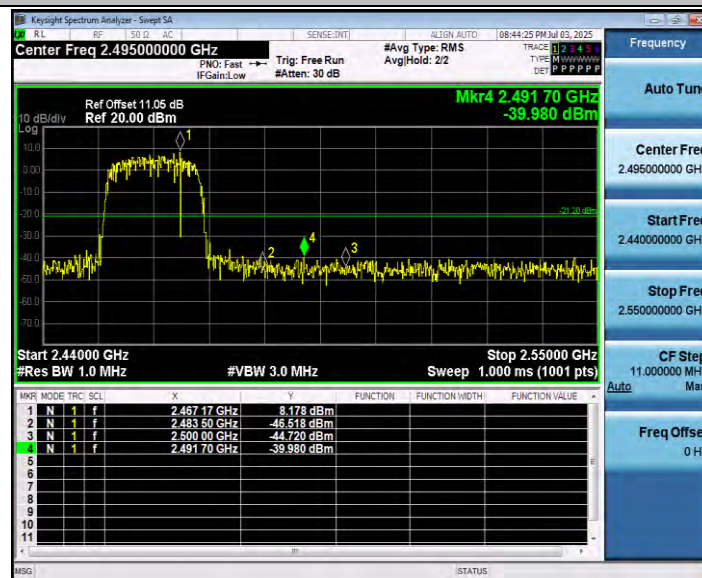
11N20SISO_Ant1_Low_2412_Peak



11N20SISO_Ant1_High_2462_AV



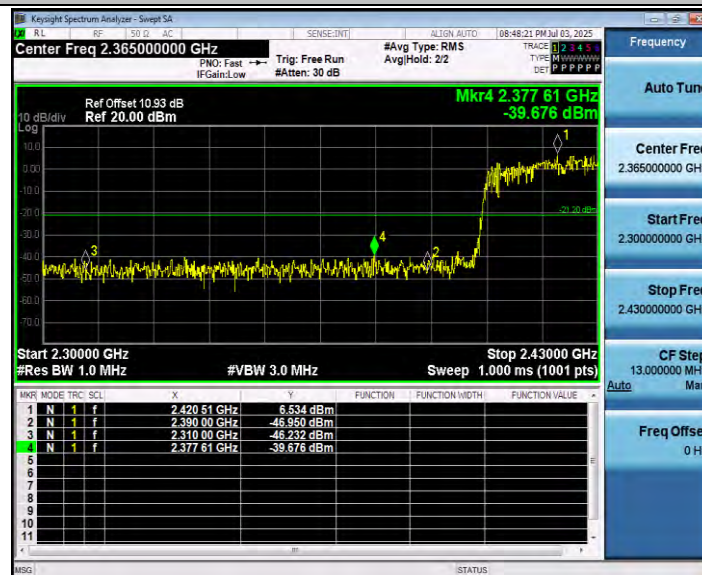
11N20SISO_Ant1_High_2462_Peak



11N40SISO_Ant1_Low_2422_AV



11N40SISO_Ant1_Low_2422_Peak



11N40SISO_Ant1_High_2452_AV



