

Case No. : <u>GTS20250815010-1-01</u>	
Ambient Condition: <u>21</u> °C, <u>54</u> %RH,	
Test Date: <u>2025.8.26</u>	Test Engineer: <u>Evan ouyang</u>

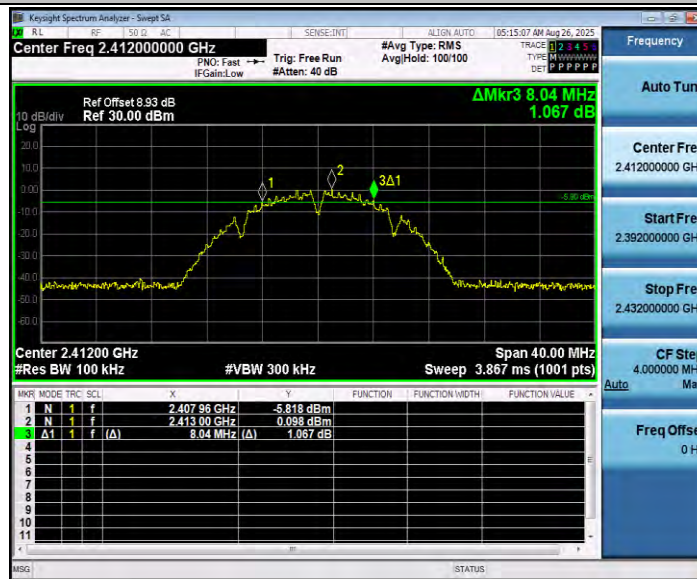
Appendix A.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.040	2407.960	2416.000	0.5	PASS
		2437	7.600	2433.440	2441.040	0.5	PASS
		2462	7.080	2458.480	2465.560	0.5	PASS
11G	Ant1	2412	15.120	2404.440	2419.560	0.5	PASS
		2437	15.040	2429.480	2444.520	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	15.920	2404.440	2420.360	0.5	PASS
		2437	13.840	2430.720	2444.560	0.5	PASS
		2462	12.800	2454.440	2467.240	0.5	PASS
11N40SISO	Ant1	2422	35.120	2404.480	2439.600	0.5	PASS
		2437	35.120	2419.480	2454.600	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



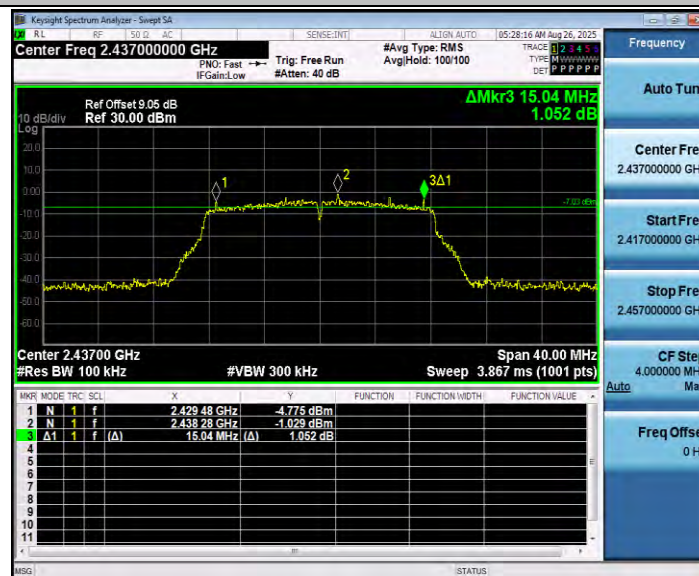
11B_Ant1_2462



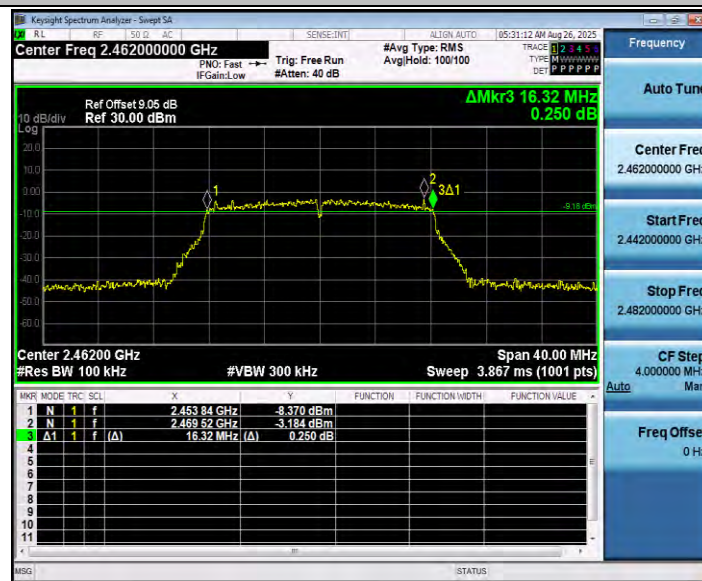
11G_Ant1_2412



11G_Ant1_2437



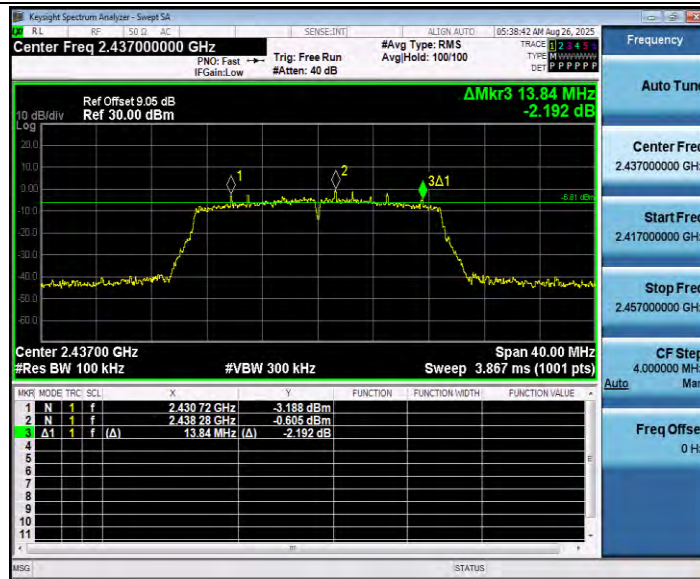
11G_Ant1_2462



11N20SISO_Ant1_2412



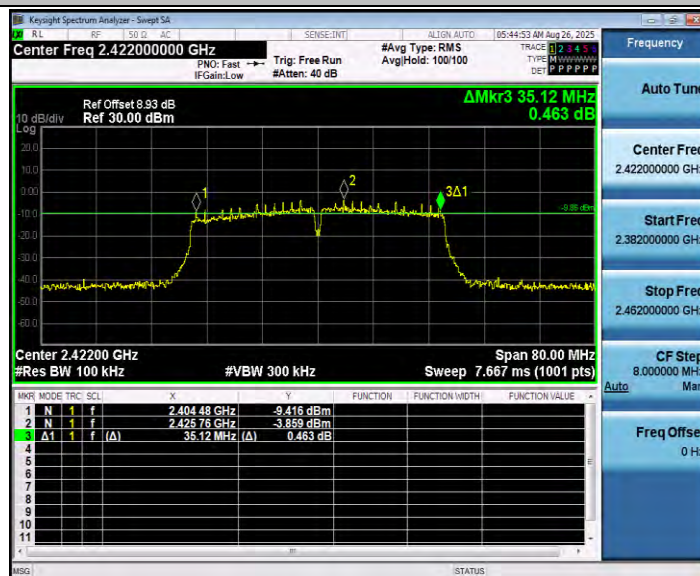
11N20SISO_Ant1_2437



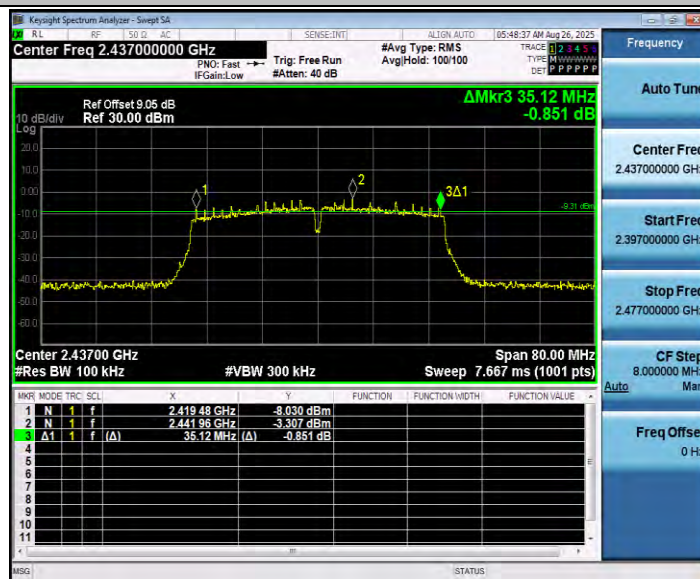
11N20SISO_Ant1_2462



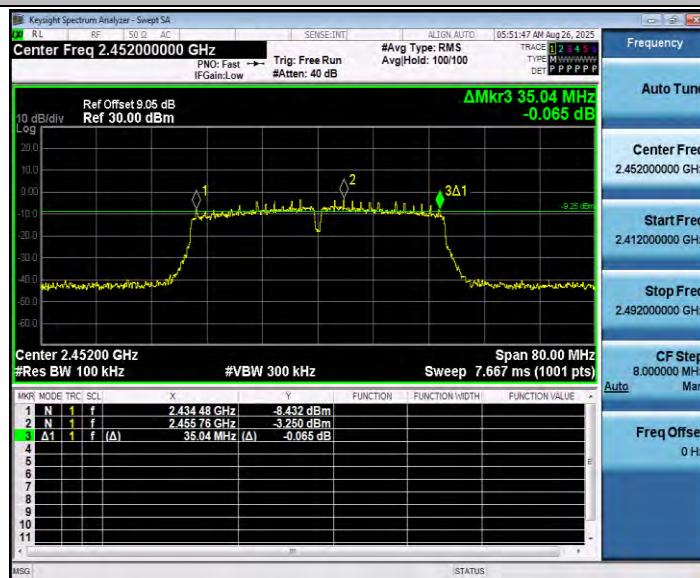
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



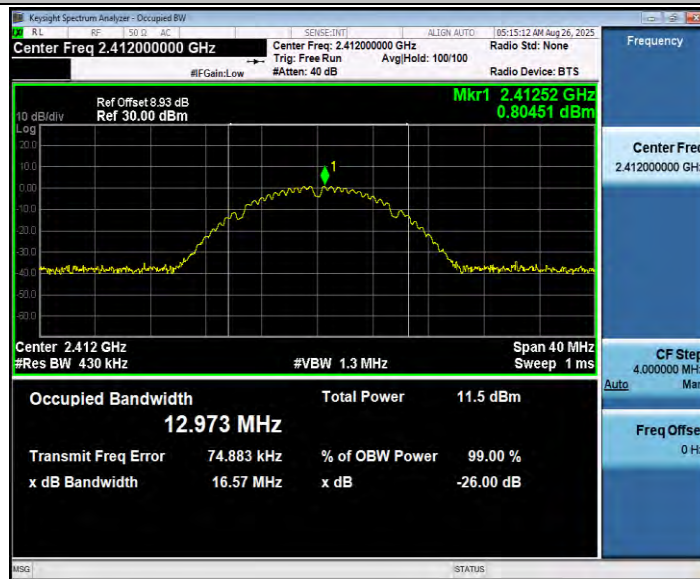
Appendix A.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.973	2405.5884	2418.5614	---	---
		2437	12.866	2430.6157	2443.4817	---	---
		2462	12.875	2455.6006	2468.4756	---	---
11G	Ant1	2412	16.934	2403.6241	2420.5581	---	---
		2437	16.820	2428.6208	2445.4408	---	---
		2462	16.853	2453.6069	2470.4599	---	---
11N20SISO	Ant1	2412	17.890	2403.1110	2421.0010	---	---
		2437	17.828	2428.1187	2445.9467	---	---
		2462	17.723	2453.1440	2470.8670	---	---
11N40SISO	Ant1	2422	36.149	2404.0662	2440.2152	---	---
		2437	36.070	2419.1225	2455.1925	---	---
		2452	36.236	2433.9941	2470.2301	---	---

Test Graphs

11B_Ant1_2412



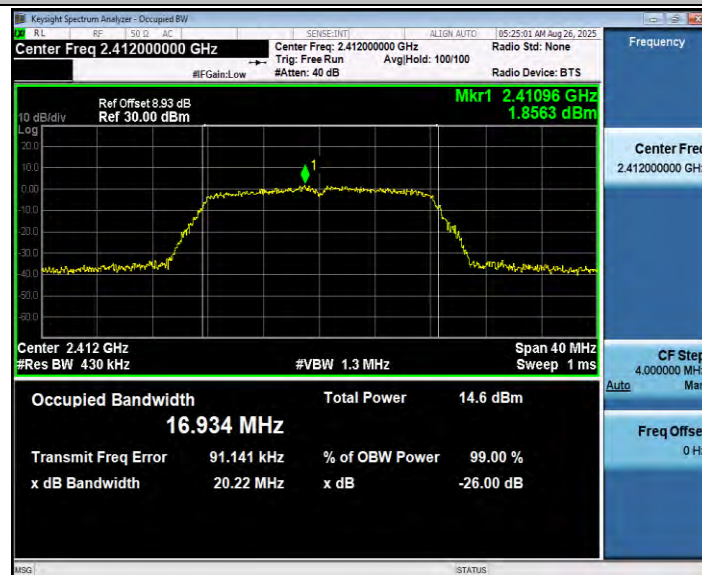
11B_Ant1_2437



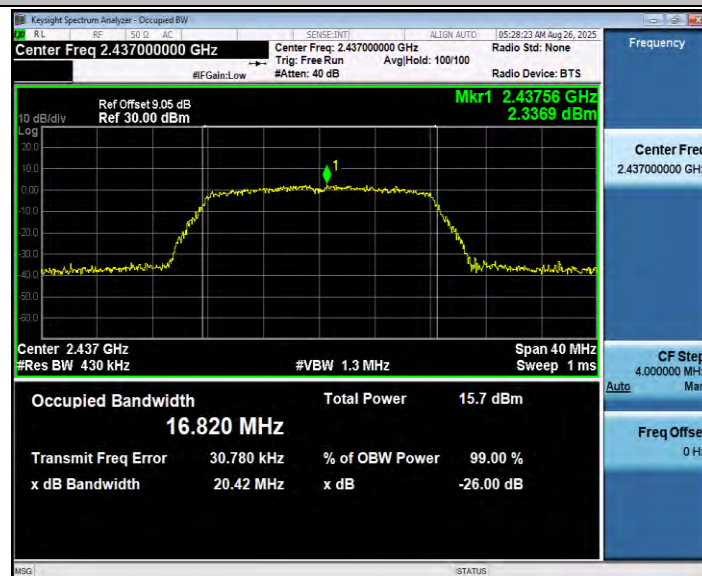
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



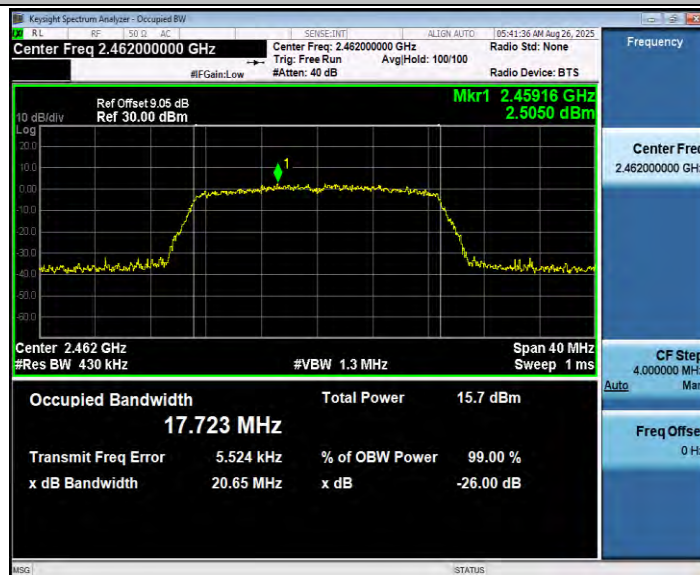
11N20SISO_Ant1_2412



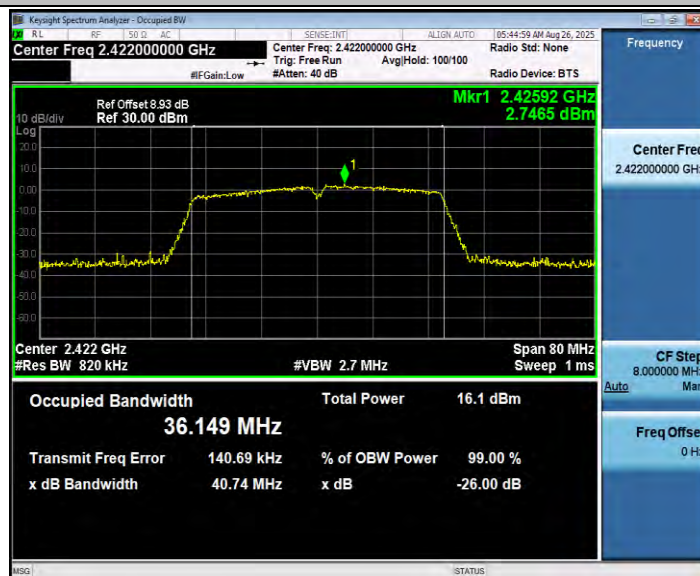
11N20SISO_Ant1_2437

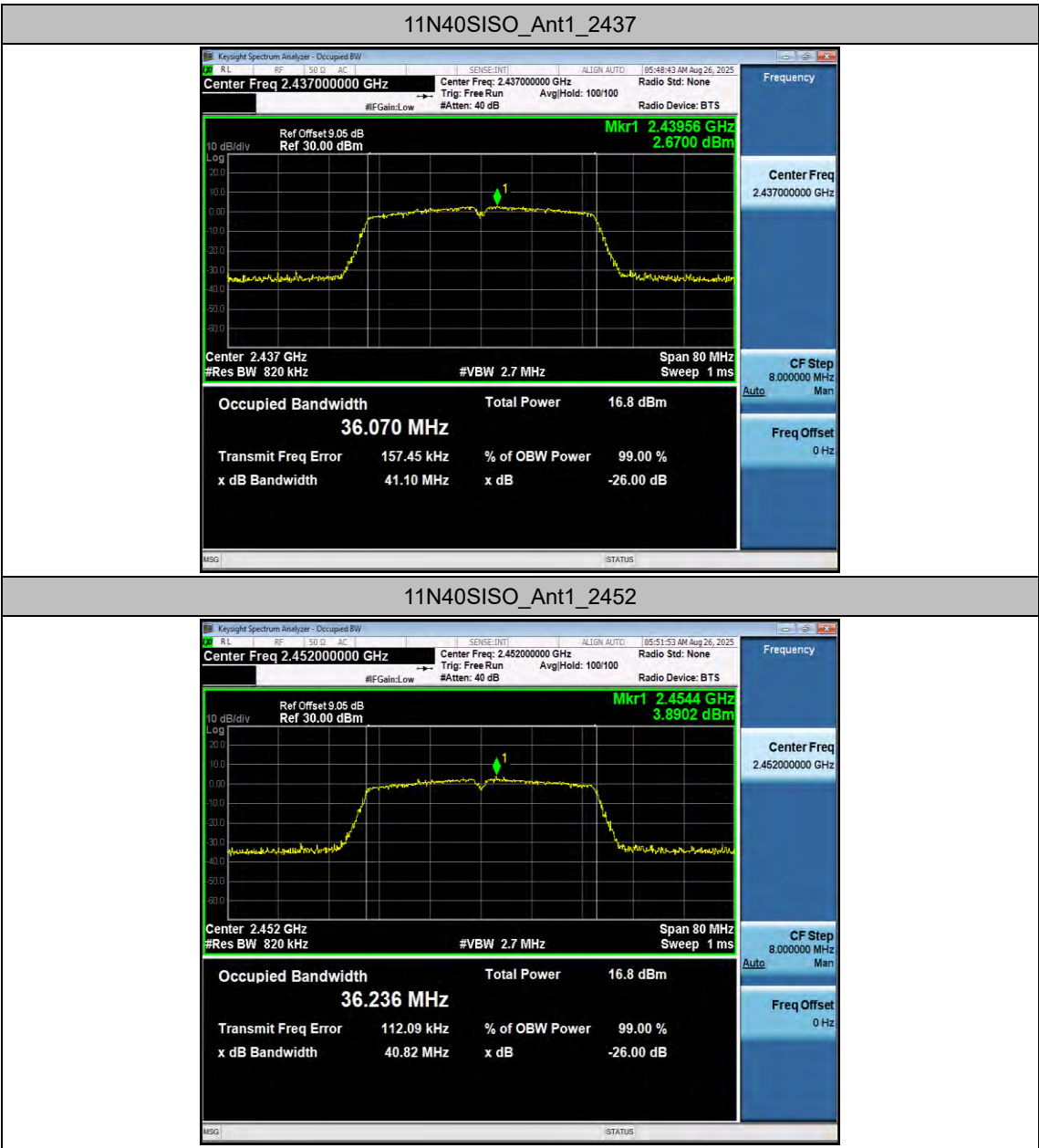


11N20SISO_Ant1_2462



11N40SISO_Ant1_2422





Appendix A.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Set Power	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	---	11.75	≤30.00	PASS
		2437	---	12.90	≤30.00	PASS
		2462	---	13.03	≤30.00	PASS
11G	Ant1	2412	---	15.84	≤30.00	PASS
		2437	---	16.87	≤30.00	PASS
		2462	---	17.08	≤30.00	PASS
11N20SISO	Ant1	2412	---	15.66	≤30.00	PASS
		2437	---	16.67	≤30.00	PASS
		2462	---	16.78	≤30.00	PASS
11N40SISO	Ant1	2422	---	16.50	≤30.00	PASS
		2437	---	17.11	≤30.00	PASS
		2452	---	17.17	≤30.00	PASS

Appendix A.4: Maximum power spectral density

Test Result

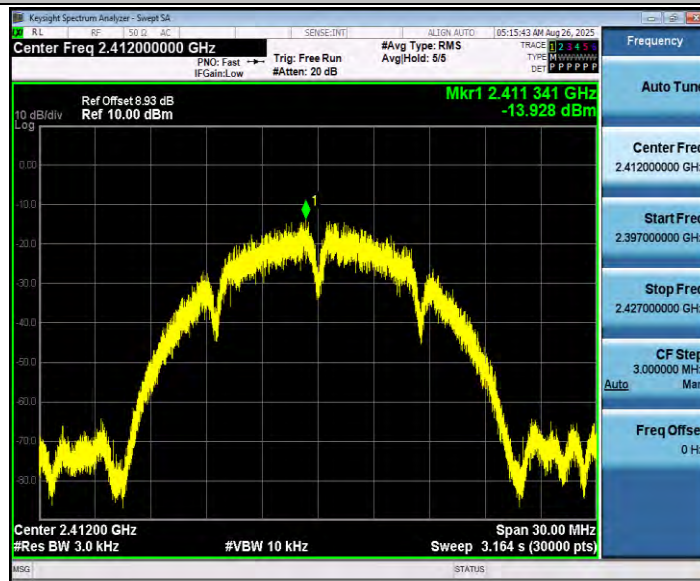
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-13.93	≤8.00	PASS
		2437	-11.64	≤8.00	PASS
		2462	-12.43	≤8.00	PASS
11G	Ant1	2412	-14.61	≤8.00	PASS
		2437	-15.26	≤8.00	PASS
		2462	-14.65	≤8.00	PASS
11N20SISO	Ant1	2412	-16.78	≤8.00	PASS
		2437	-15.23	≤8.00	PASS
		2462	-14.26	≤8.00	PASS
11N40SISO	Ant1	2422	-18.86	≤8.00	PASS
		2437	-16.94	≤8.00	PASS
		2452	-17.71	≤8.00	PASS

Note:

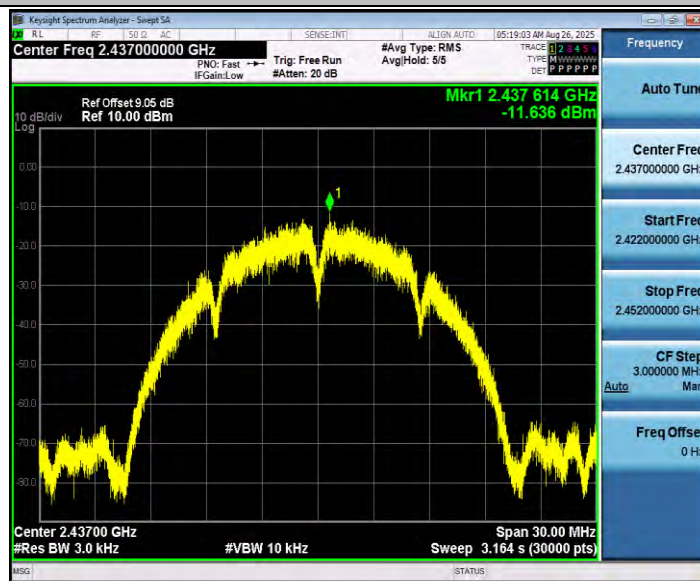
1. The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11B_Ant1_2412



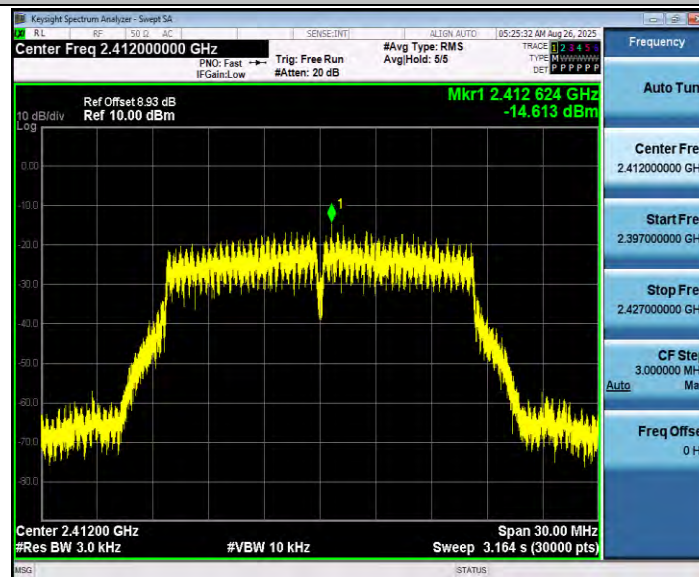
11B_Ant1_2437



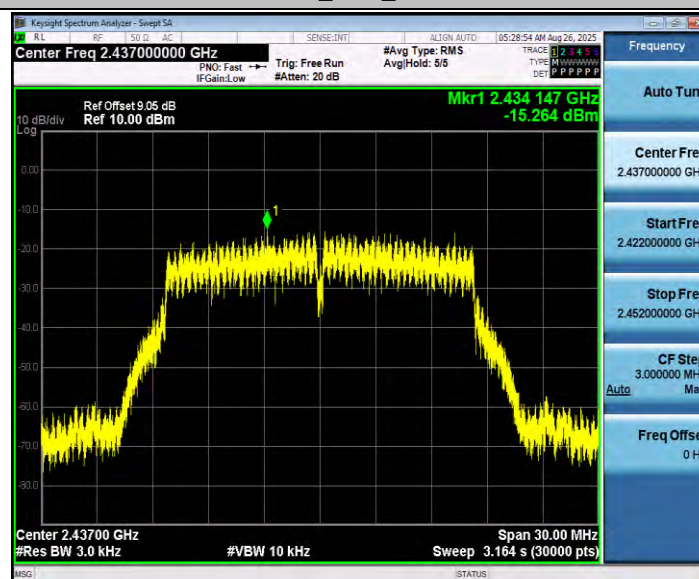
11B_Ant1_2462



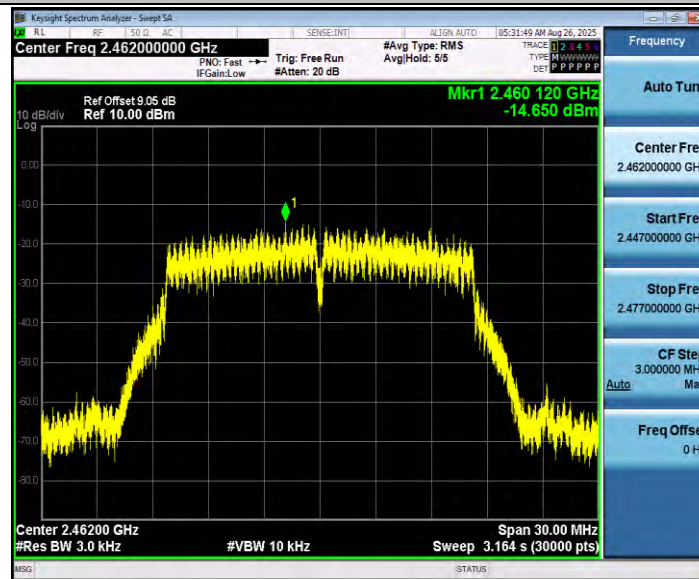
11G_Ant1_2412



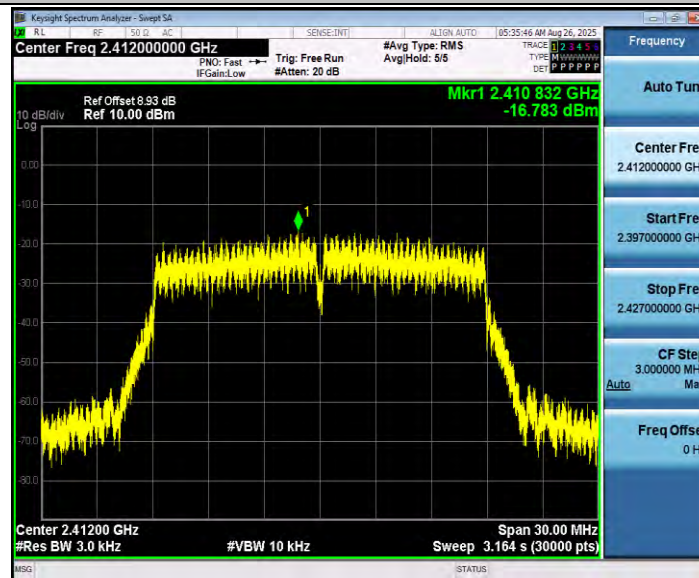
11G_Ant1_2437



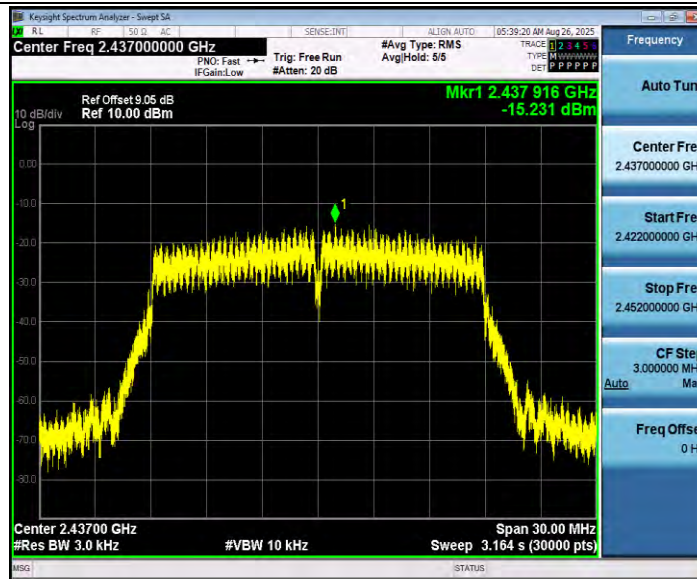
11G_Ant1_2462



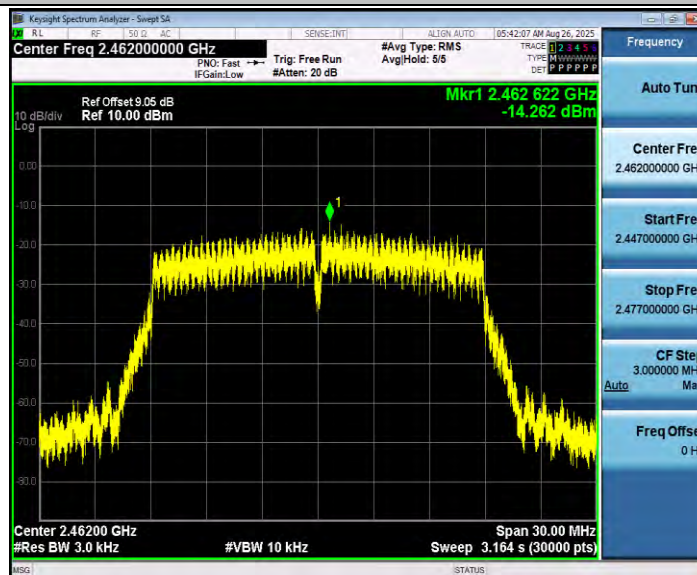
11N20SISO_Ant1_2412



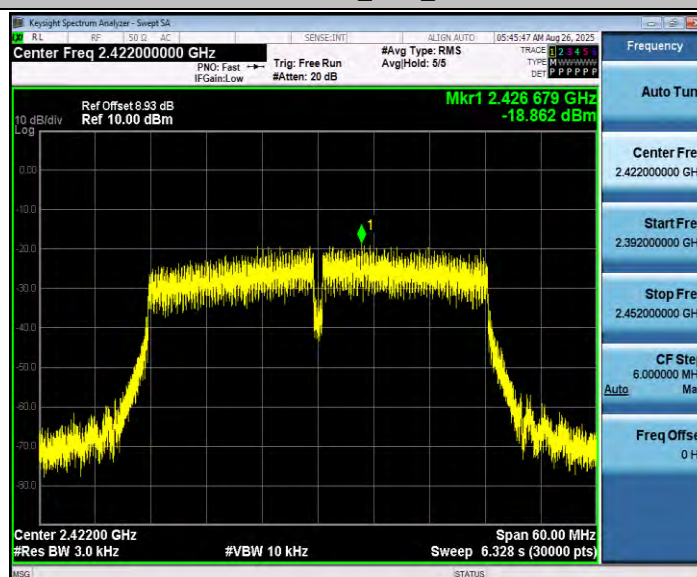
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



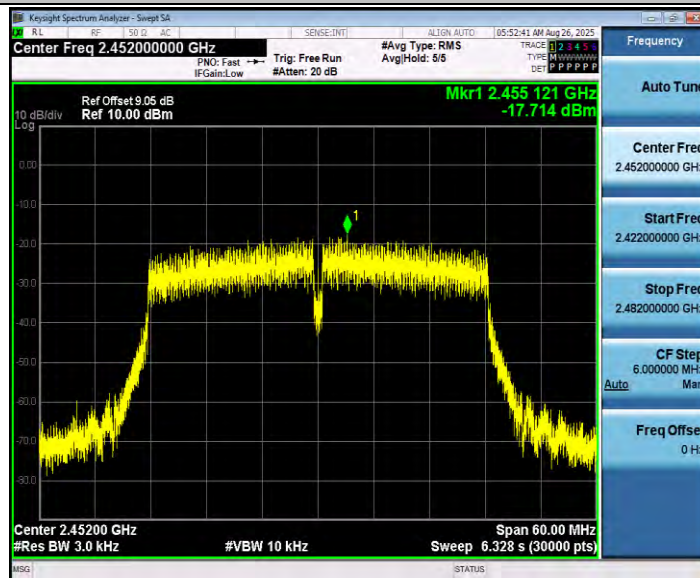
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



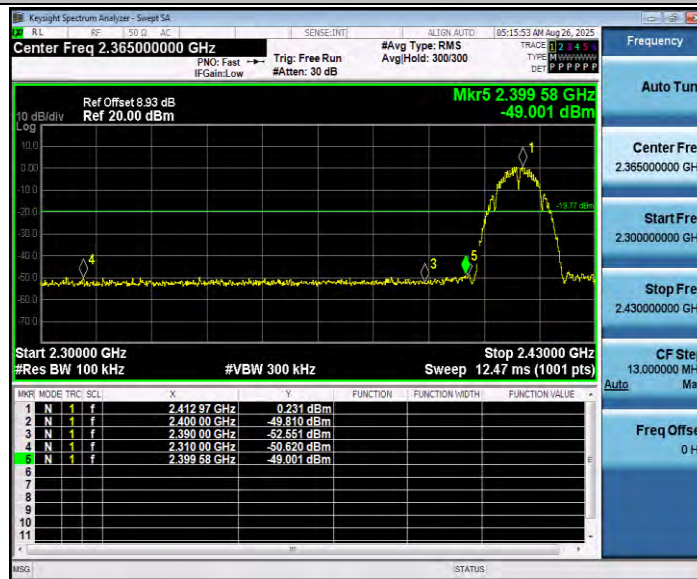
Appendix A.5: Band edge measurements

Test Result

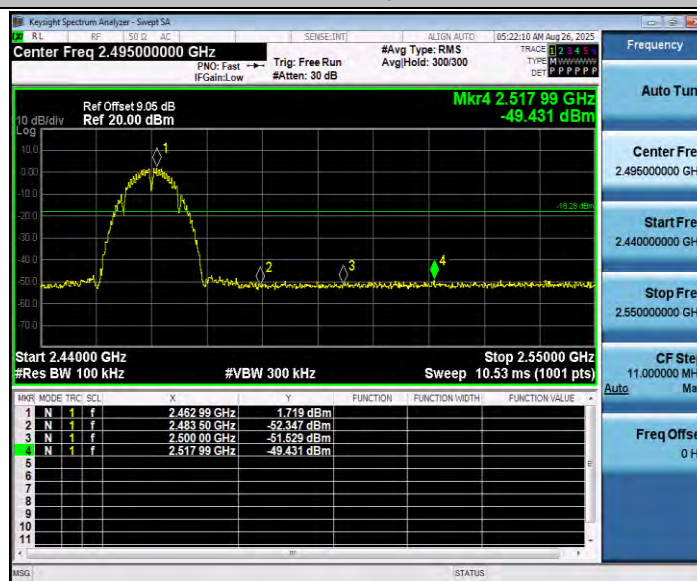
TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	0.23	-49	≤-19.77	PASS
		High	2462	1.72	-49.43	≤-18.28	PASS
11G	Ant1	Low	2412	-2.32	-41.25	≤-22.32	PASS
		High	2462	0.03	-48.91	≤-19.98	PASS
11N20SISO	Ant1	Low	2412	-1.90	-41.47	≤-21.9	PASS
		High	2462	-0.80	-48.1	≤-20.8	PASS
11N40SISO	Ant1	Low	2422	-3.70	-42.62	≤-23.7	PASS
		High	2452	-3.14	-45.19	≤-23.14	PASS

Test Graphs

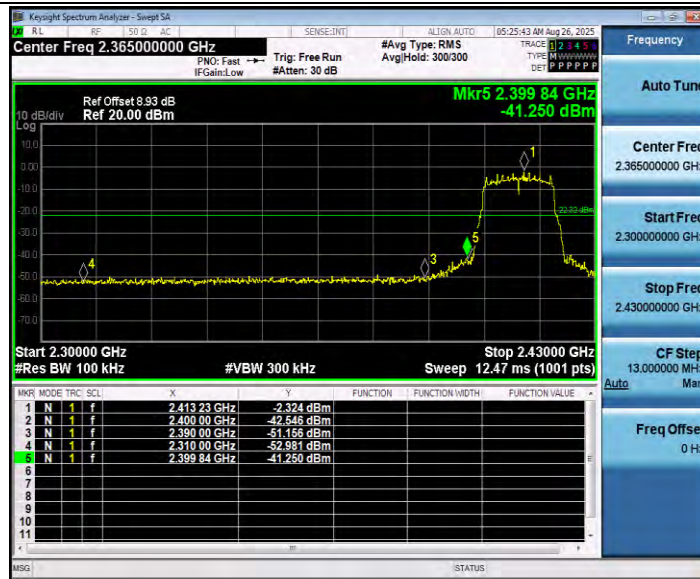
11B_Ant1_Low_2412



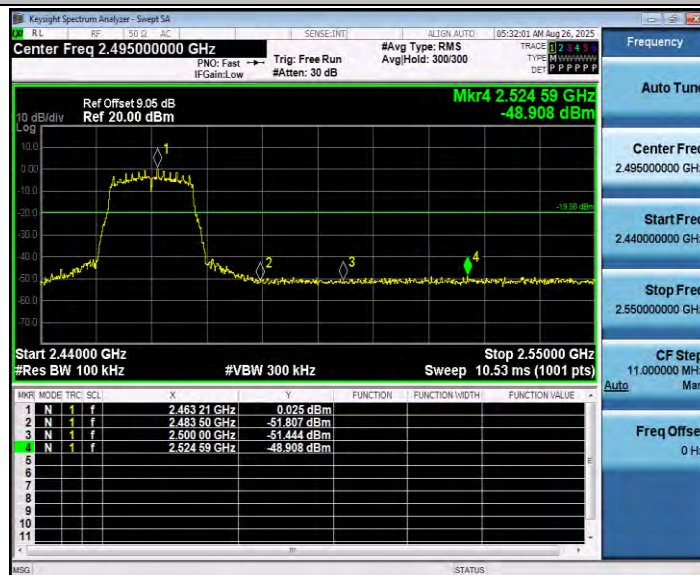
11B_Ant1_High_2462



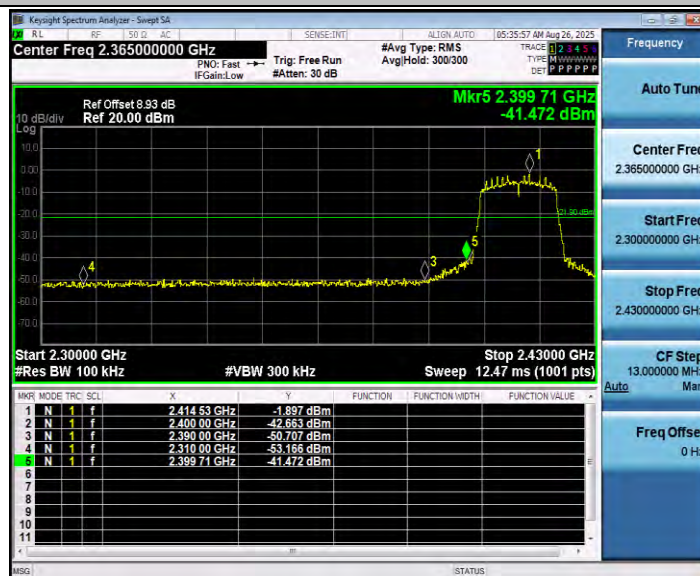
11G_Ant1_Low_2412



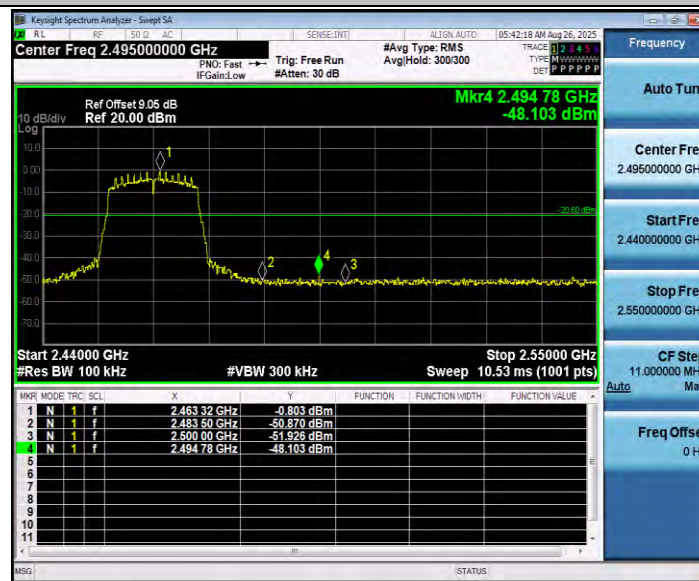
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



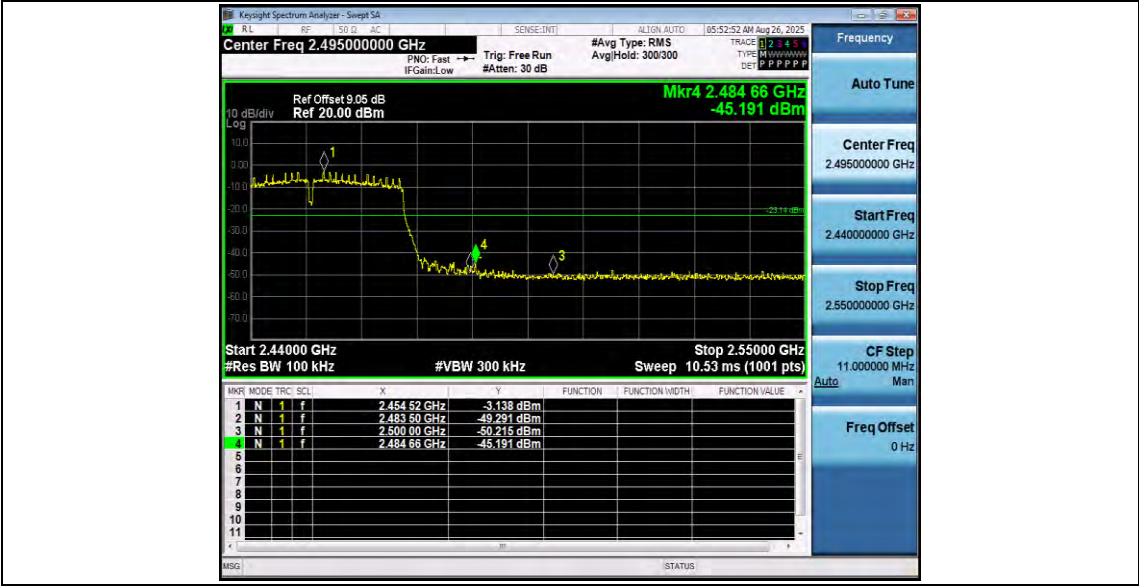
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

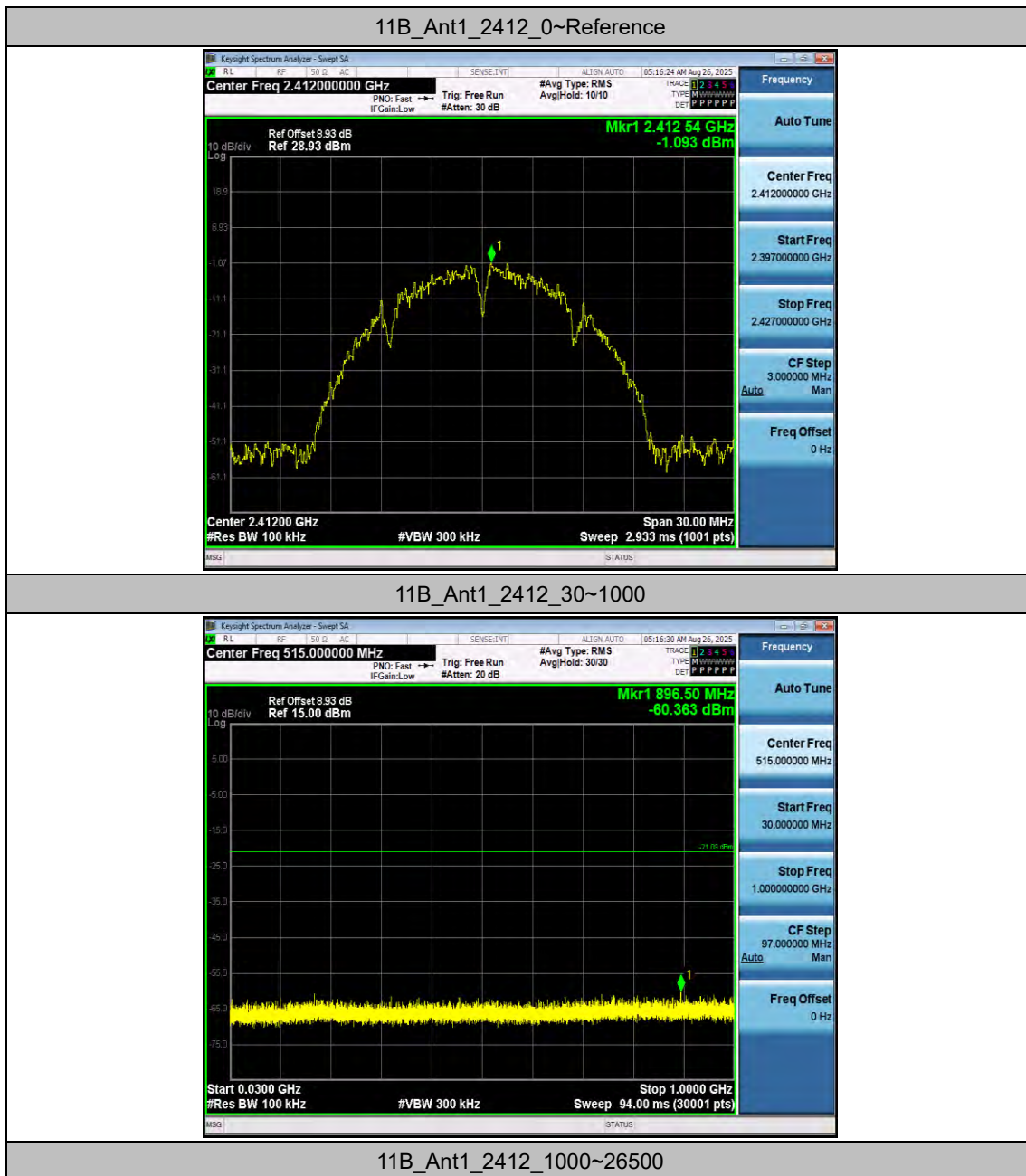


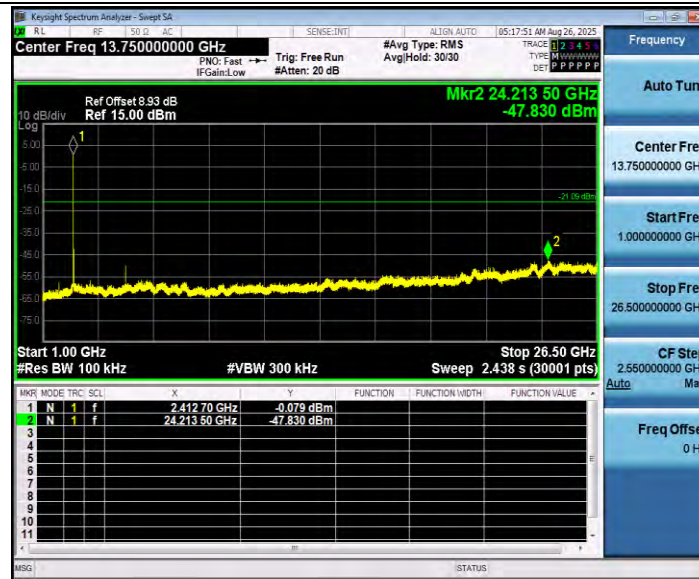
Appendix A.6: Conducted Spurious Emission

Test Result

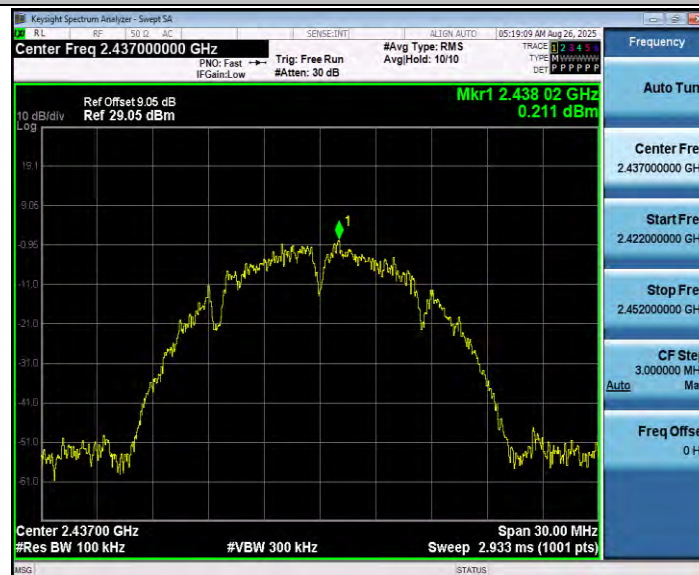
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-1.09	-1.09	---	PASS
			30~1000	-1.09	-60.36	≤-21.09	PASS
			1000~26500	-1.09	-47.83	≤-21.09	PASS
		2437	Reference	0.21	0.21	---	PASS
			30~1000	0.21	-60.85	≤-19.79	PASS
			1000~26500	0.21	-47.78	≤-19.79	PASS
		2462	Reference	-0.40	-0.40	---	PASS
			30~1000	-0.40	-48.91	≤-20.4	PASS
			1000~26500	-0.40	-47.53	≤-20.4	PASS
11G	Ant1	2412	Reference	-5.63	-5.63	---	PASS
			30~1000	-5.63	-58.16	≤-25.63	PASS
			1000~26500	-5.63	-47.75	≤-25.63	PASS
		2437	Reference	-4.10	-4.10	---	PASS
			30~1000	-4.10	-60.18	≤-24.1	PASS
			1000~26500	-4.10	-47.01	≤-24.1	PASS
		2462	Reference	-0.78	-0.78	---	PASS
			30~1000	-0.78	-60.45	≤-20.78	PASS
			1000~26500	-0.78	-47.57	≤-20.78	PASS
11N20SISO	Ant1	2412	Reference	-4.54	-4.54	---	PASS
			30~1000	-4.54	-60.59	≤-24.54	PASS
			1000~26500	-4.54	-47.16	≤-24.54	PASS
		2437	Reference	-1.81	-1.81	---	PASS
			30~1000	-1.81	-59.24	≤-21.81	PASS
			1000~26500	-1.81	-48.12	≤-21.81	PASS
		2462	Reference	-4.41	-4.41	---	PASS
			30~1000	-4.41	-60.12	≤-24.41	PASS
			1000~26500	-4.41	-47.36	≤-24.41	PASS
11N40SISO	Ant1	2422	Reference	-3.73	-3.73	---	PASS
			30~1000	-3.73	-59.71	≤-23.73	PASS
			1000~26500	-3.73	-47.73	≤-23.73	PASS
		2437	Reference	-5.57	-5.57	---	PASS
			30~1000	-5.57	-60.68	≤-25.57	PASS
			1000~26500	-5.57	-47.54	≤-25.57	PASS
		2452	Reference	-3.38	-3.38	---	PASS
			30~1000	-3.38	-60.52	≤-23.38	PASS
			1000~26500	-3.38	-47	≤-23.38	PASS

Test Graphs

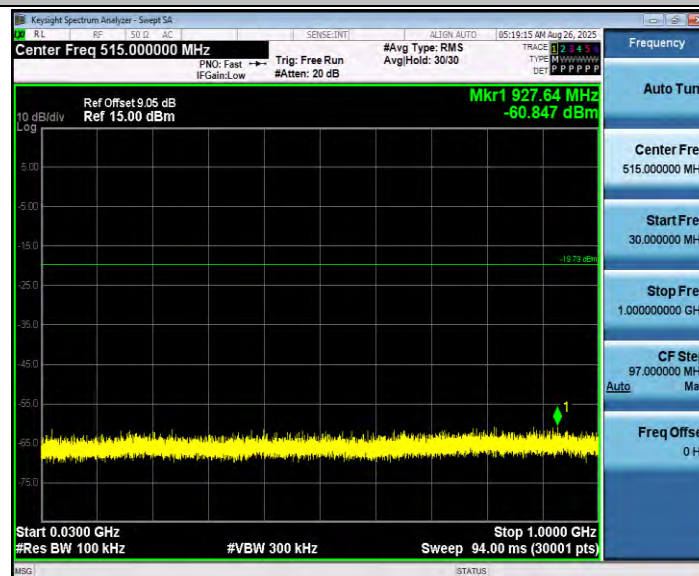




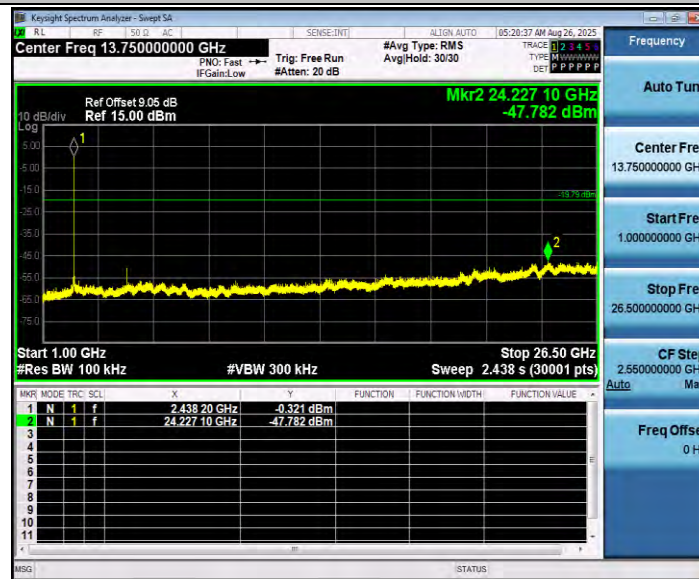
11B_Ant1_2437_0~Reference



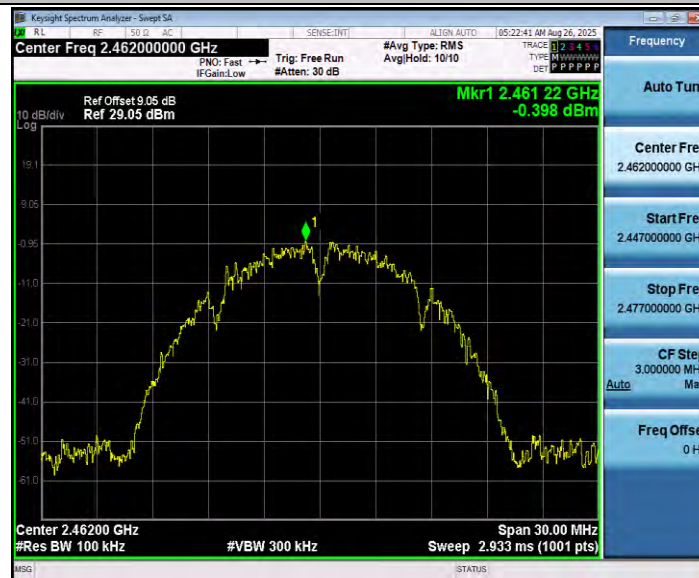
11B_Ant1_2437_30~1000



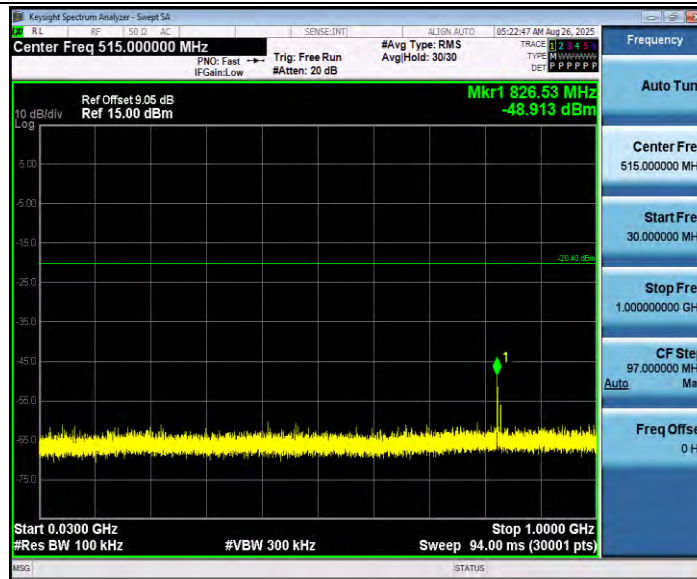
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



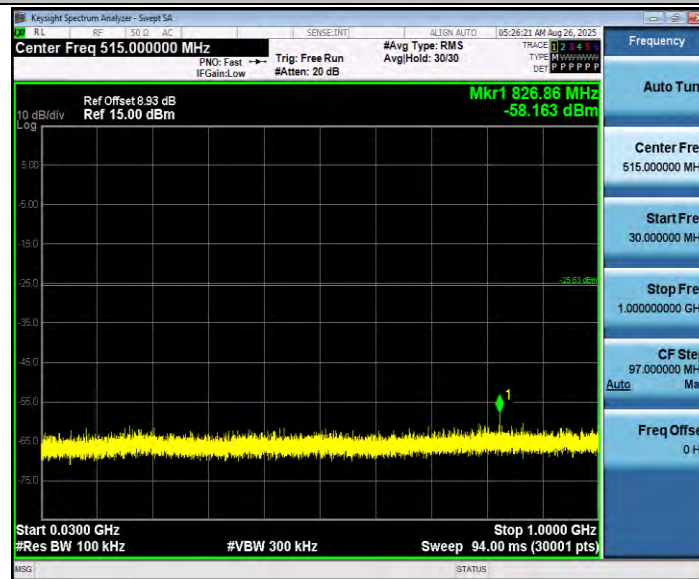
11B_Ant1_2462_1000~26500



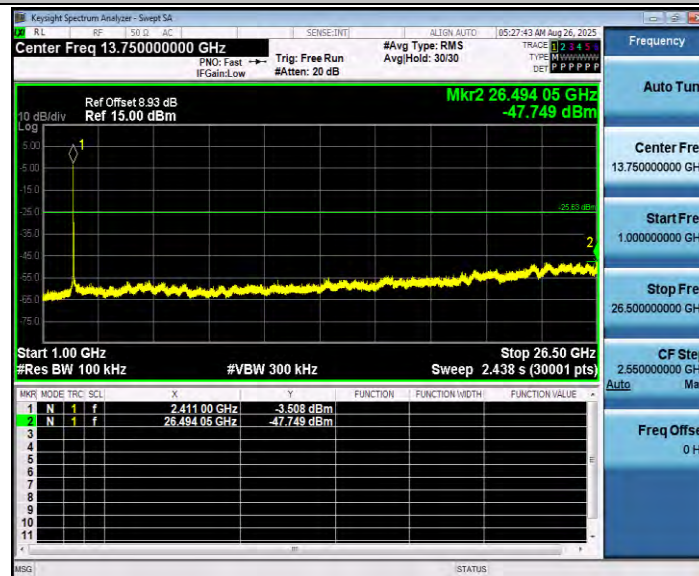
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



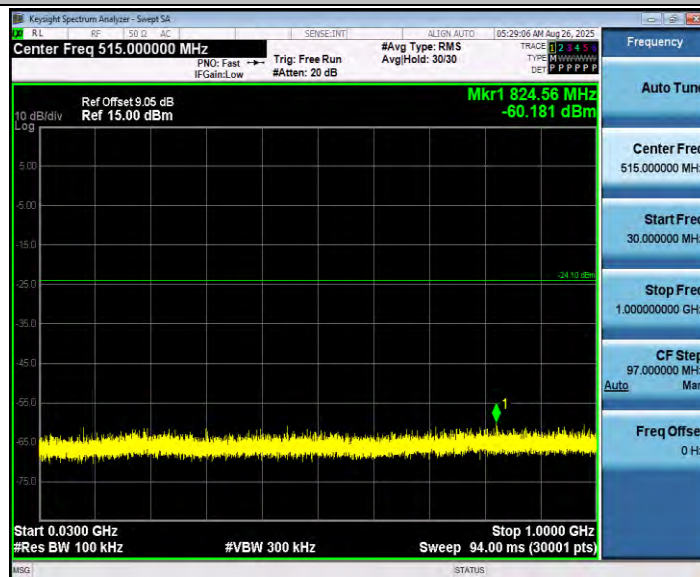
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



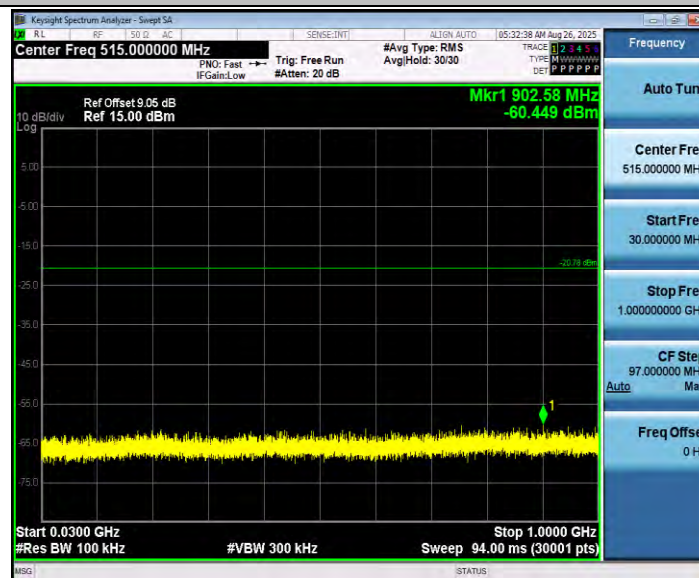
11G_Ant1_2437_1000~26500



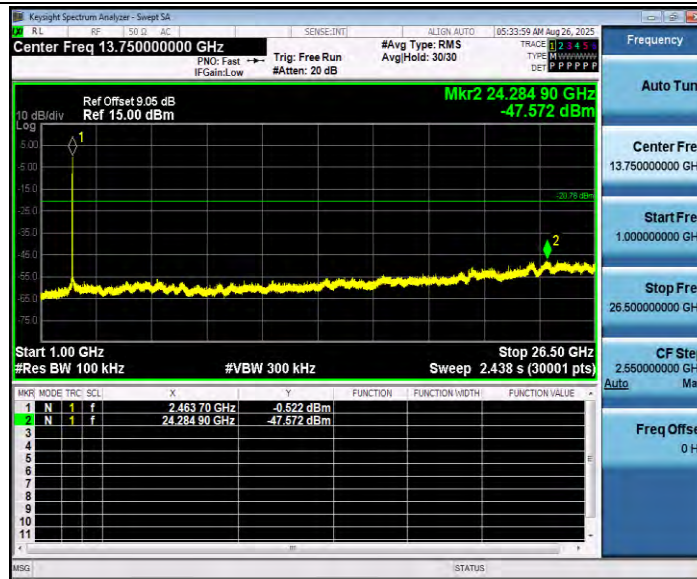
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



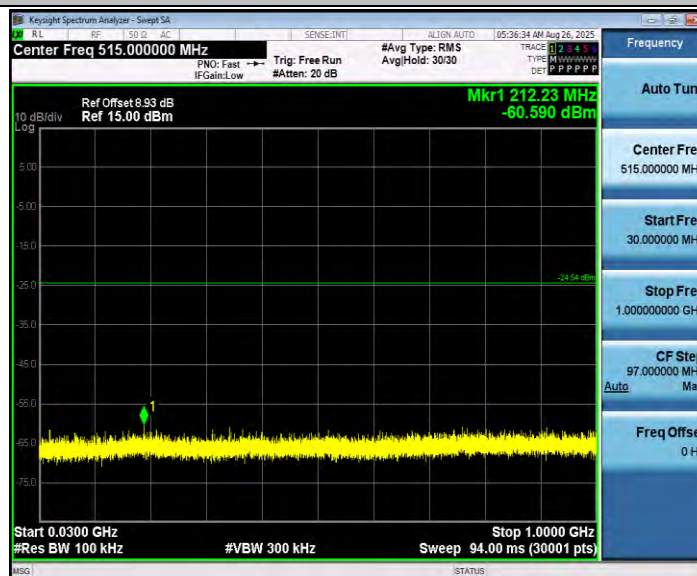
11G_Ant1_2462_1000~26500



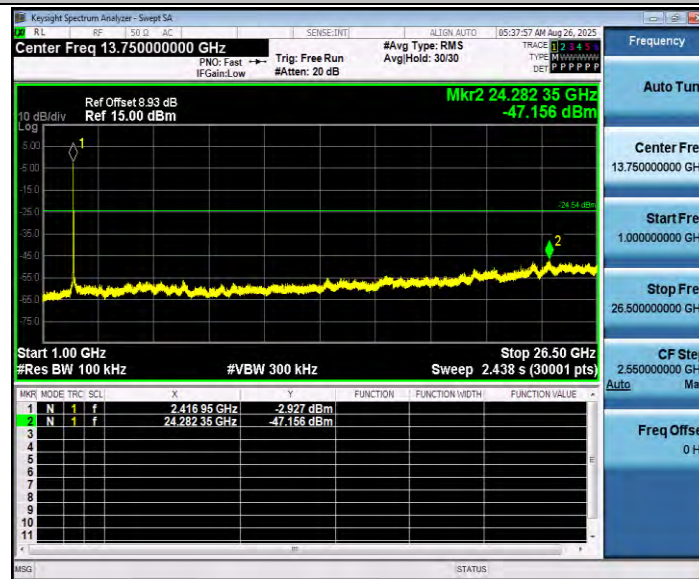
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



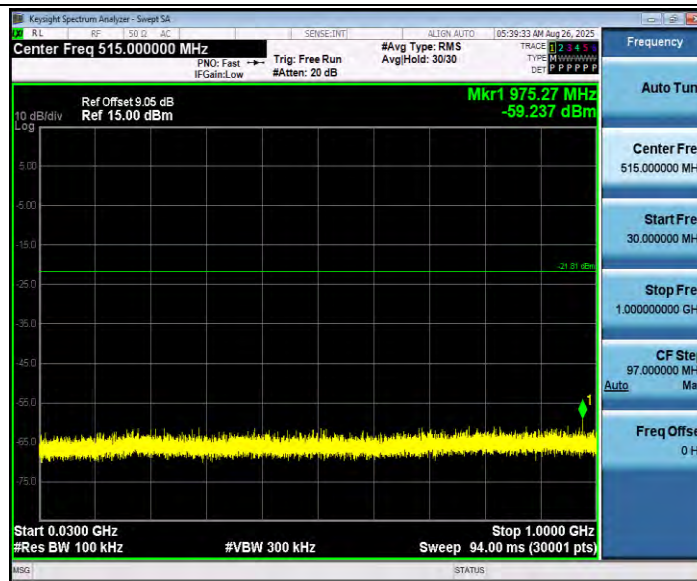
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



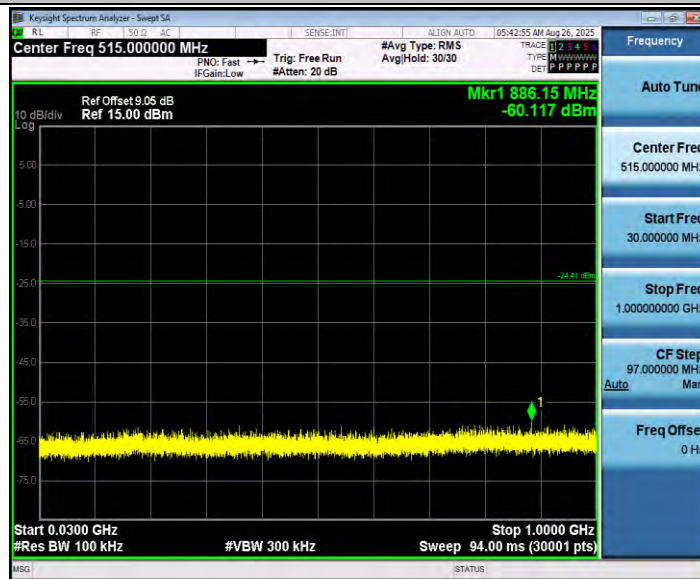
11N20SISO_Ant1_2437_1000~26500



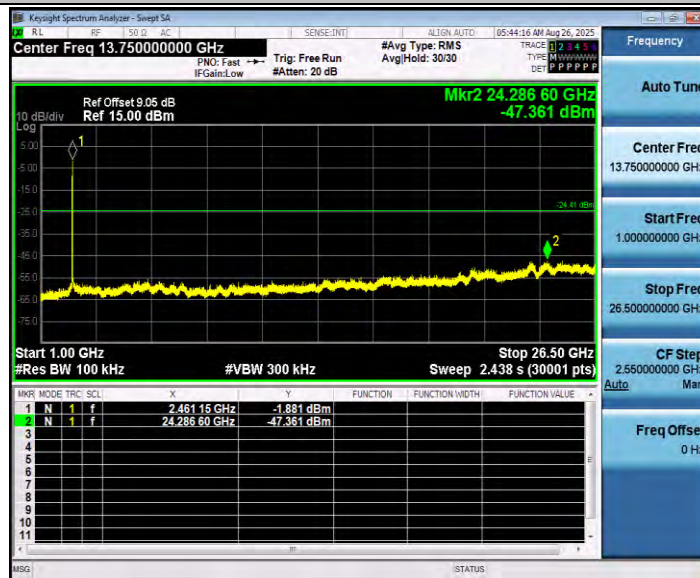
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



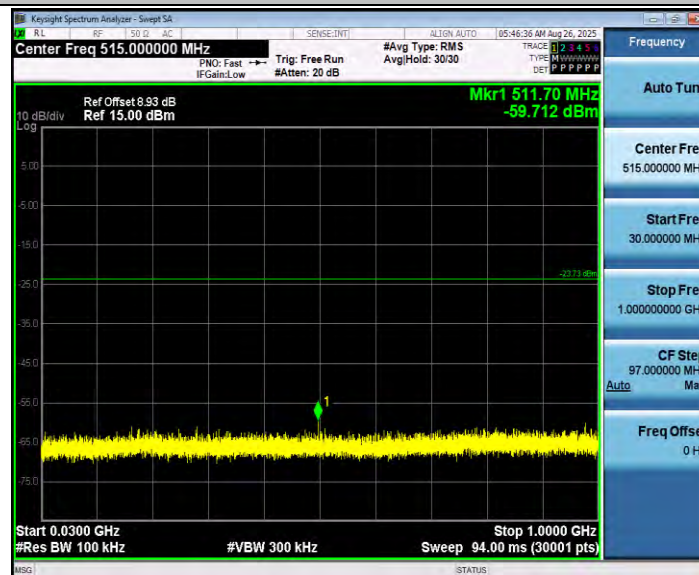
11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



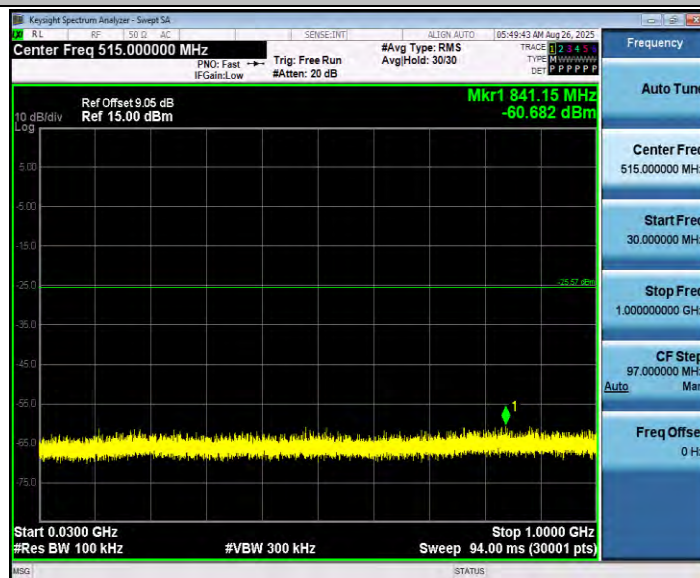
11N40SISO_Ant1_2422_1000~26500



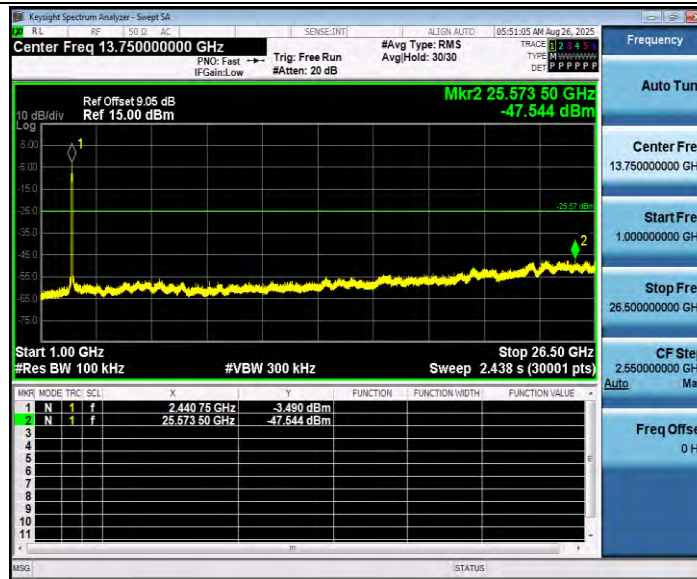
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



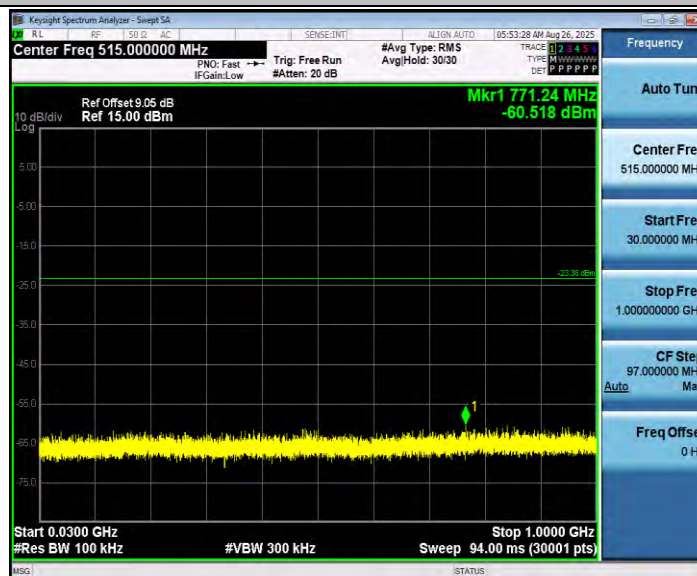
11N40SISO_Ant1_2437_1000~26500

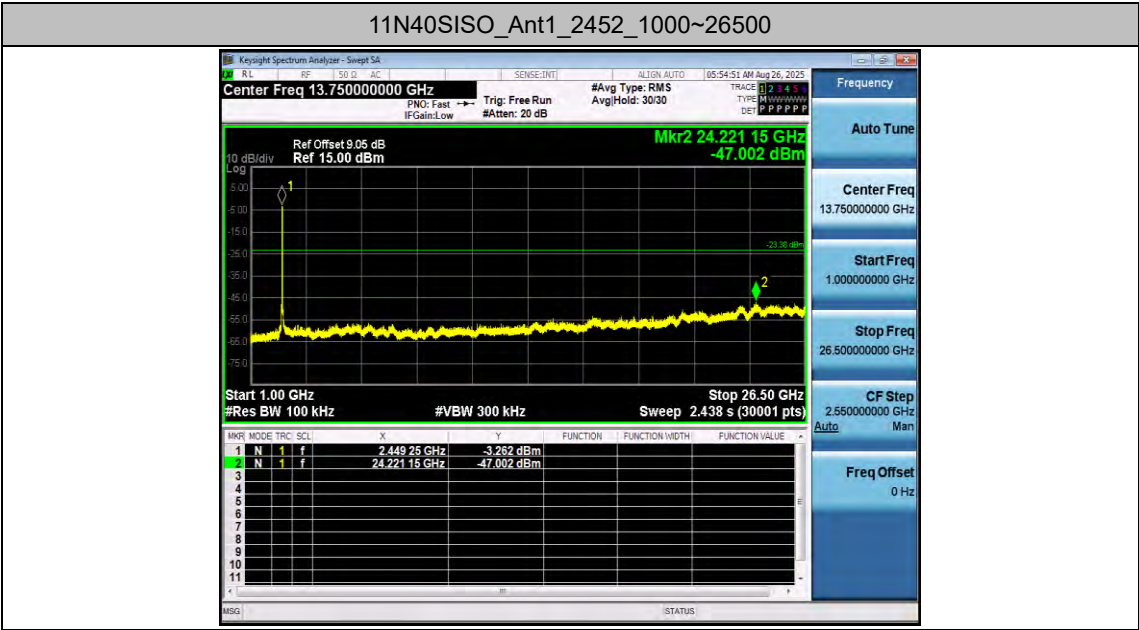


11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000





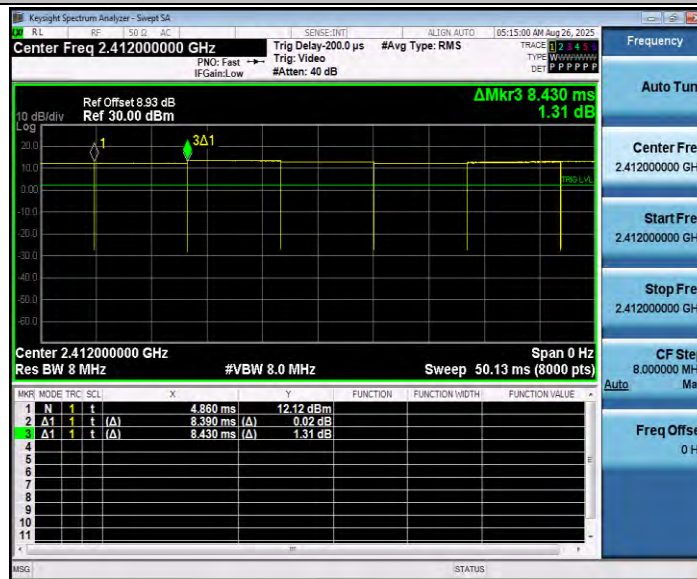
Appendix A.7: Duty Cycle

Test Result

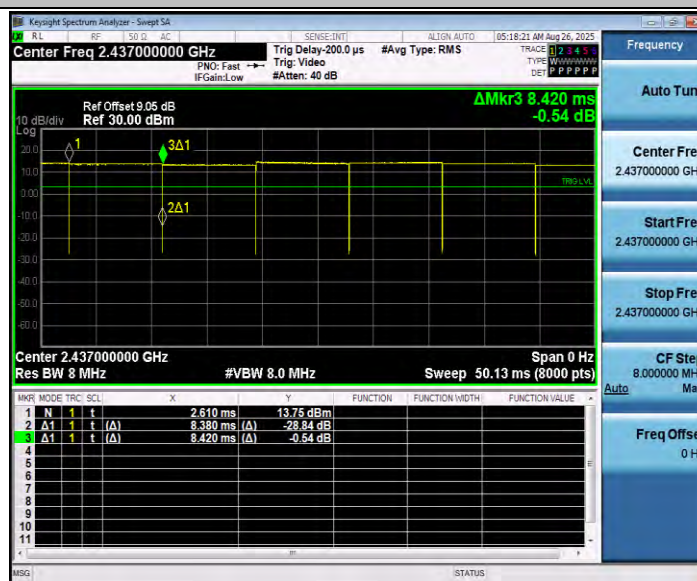
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11B	Ant1	2412	8.39	8.43	99.53	0.02	0.12
		2437	8.38	8.42	99.52	0.02	0.12
		2462	8.39	8.43	99.53	0.02	0.12
11G	Ant1	2412	1.39	1.44	96.53	0.15	0.72
		2437	1.39	1.44	96.53	0.15	0.72
		2462	1.39	1.44	96.53	0.15	0.72
11N20SISO	Ant1	2412	1.30	1.34	97.01	0.13	0.77
		2437	1.30	1.35	96.30	0.16	0.77
		2462	1.30	1.35	96.30	0.16	0.77
11N40SISO	Ant1	2422	0.64	0.69	92.75	0.33	1.56
		2437	0.65	0.70	92.86	0.32	1.54
		2452	0.64	0.69	92.75	0.33	1.56

Test Graphs

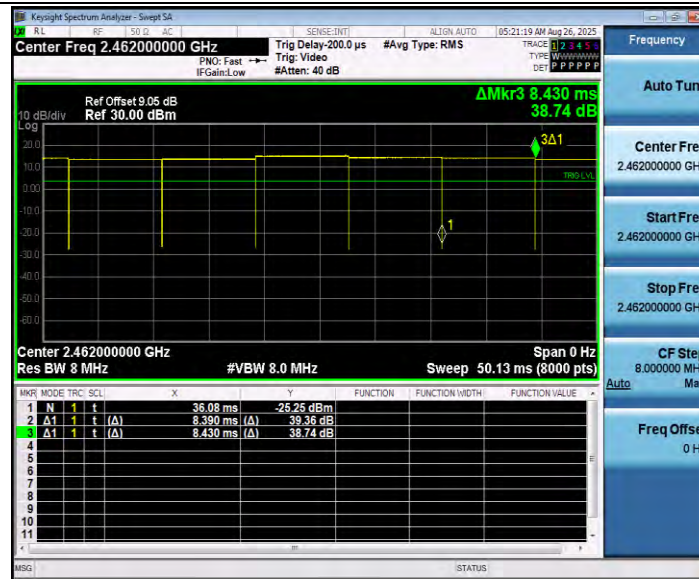
11B_Ant1_2412



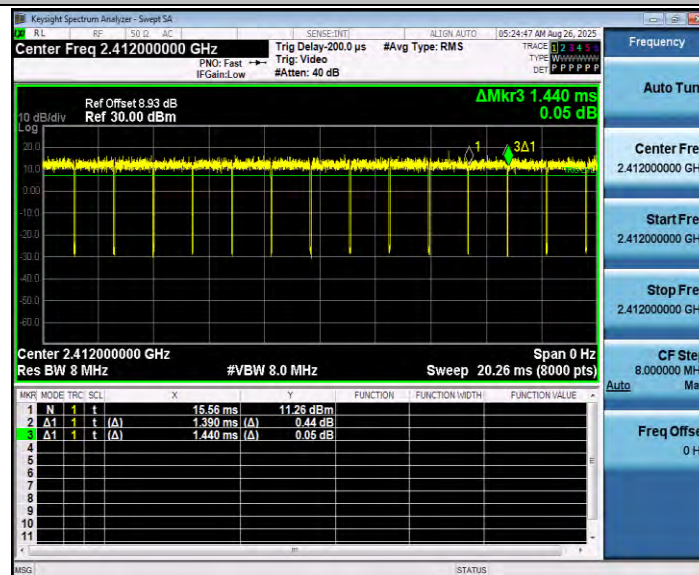
11B_Ant1_2437



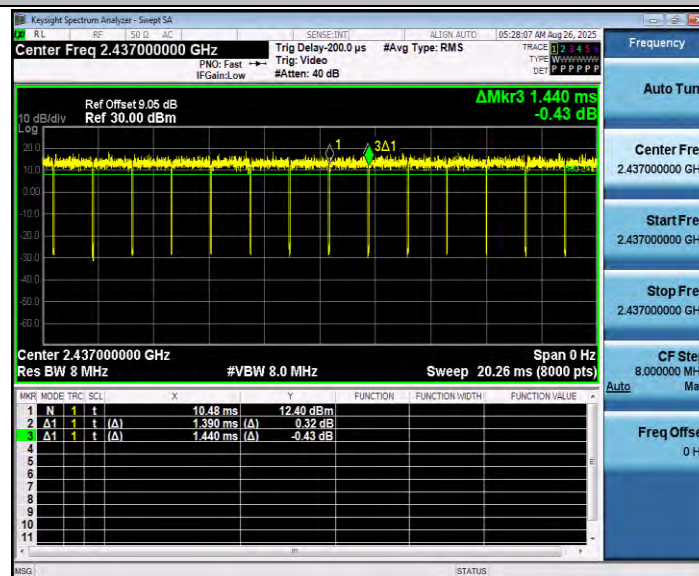
11B_Ant1_2462



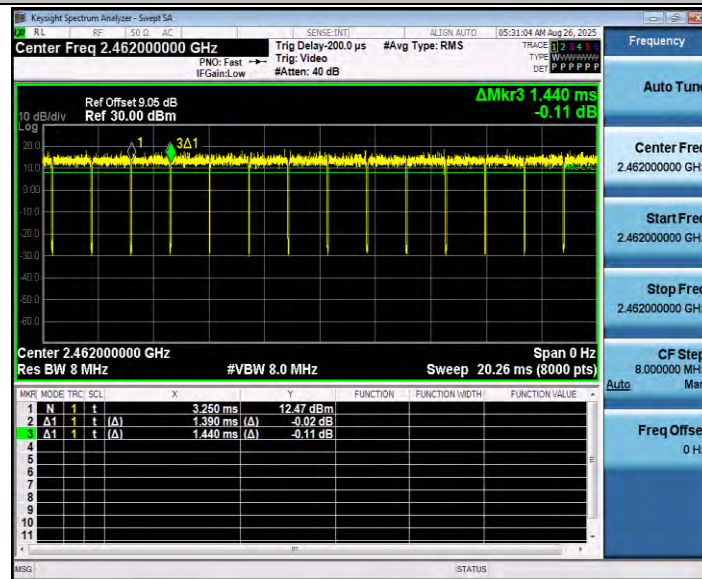
11G_Ant1_2412



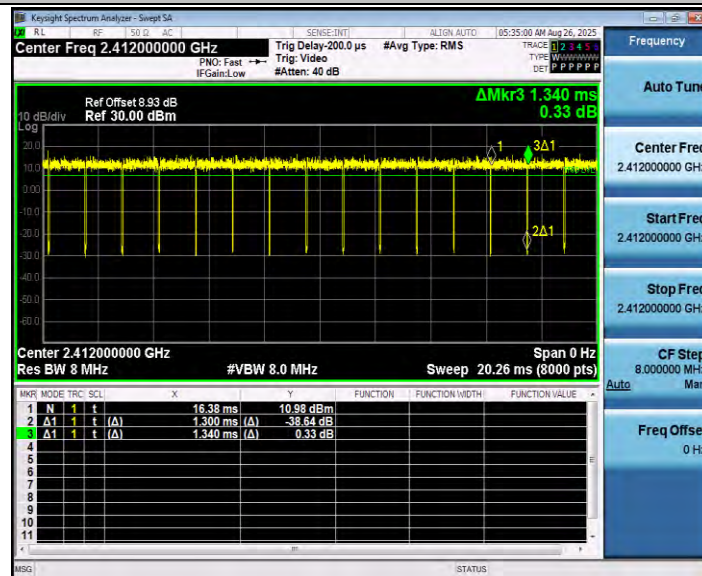
11G_Ant1_2437



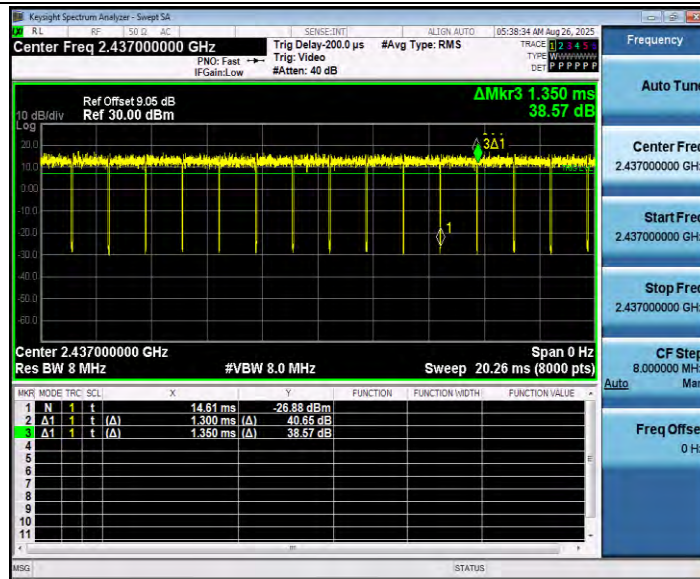
11G_Ant1_2462



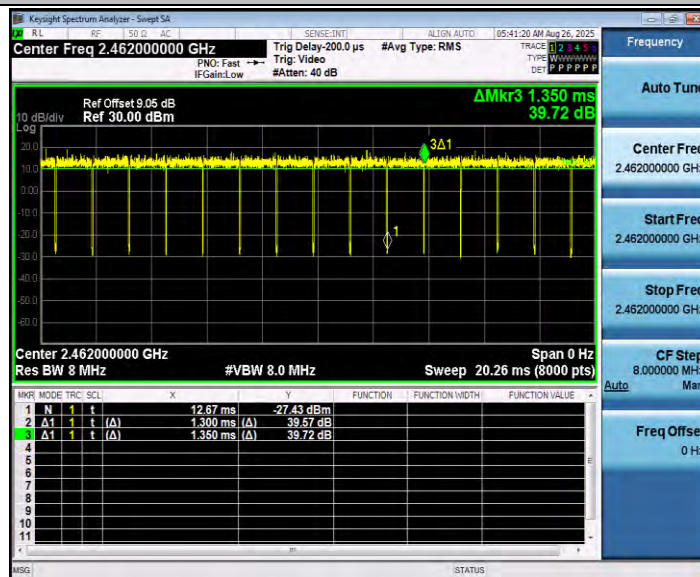
11N20SISO_Ant1_2412



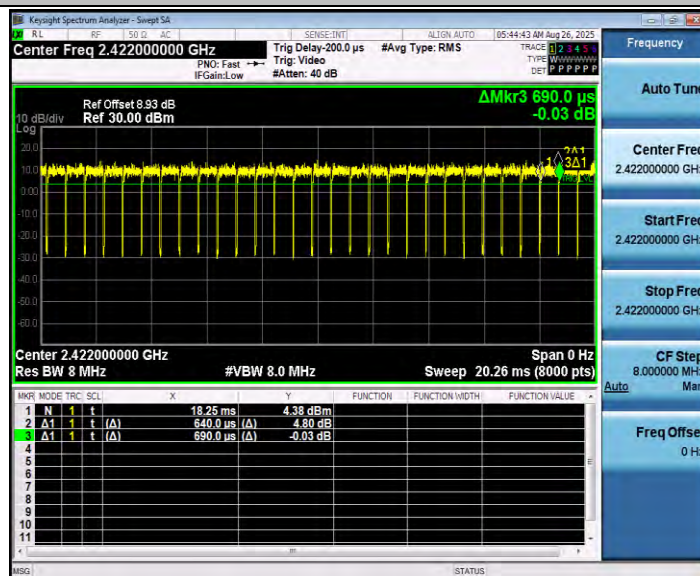
11N20SISO_Ant1_2437



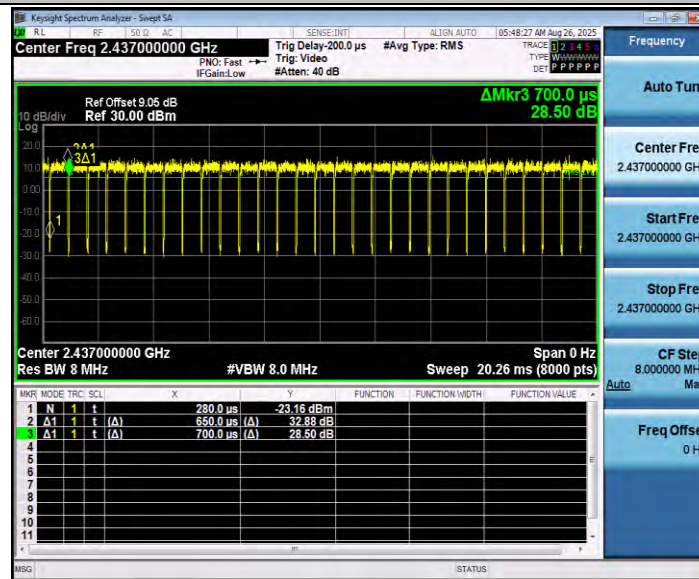
11N20SISO_Ant1_2462



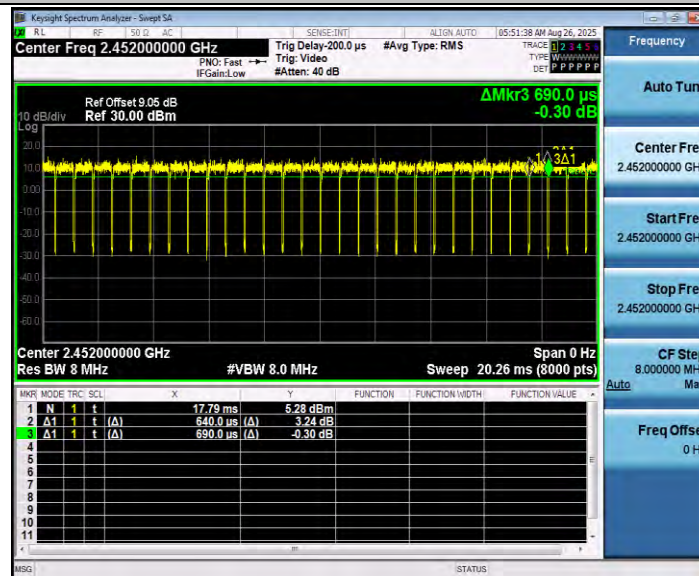
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix A.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	-49.51	≤-41.20	45.69	≤54	PASS
				AV	2386.320	-48.95	≤-41.20	46.25	≤54	PASS
				AV	2390.000	-49.02	≤-41.20	46.18	≤54	PASS
				Peak	2310.000	-43.99	≤-21.20	51.21	≤74	PASS
				Peak	2313.780	-40.05	≤-21.20	55.15	≤74	PASS
				Peak	2390.000	-45.5	≤-21.20	49.70	≤74	PASS
		High	2462	AV	2483.500	-48.8	≤-41.20	46.40	≤54	PASS
				AV	2499.620	-48.55	≤-41.20	46.65	≤54	PASS
				AV	2500.000	-48.56	≤-41.20	46.64	≤54	PASS
				Peak	2483.500	-45.53	≤-21.20	49.67	≤74	PASS
				Peak	2488.180	-40.51	≤-21.20	54.69	≤74	PASS
				Peak	2500.000	-46.11	≤-21.20	49.09	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.32	≤-41.20	45.88	≤54	PASS
				AV	2389.960	-48.11	≤-41.20	47.09	≤54	PASS
				AV	2390.000	-48.11	≤-41.20	47.09	≤54	PASS
				Peak	2310.000	-44.04	≤-21.20	51.16	≤74	PASS
				Peak	2346.410	-39.76	≤-21.20	55.44	≤74	PASS
				Peak	2390.000	-46.29	≤-21.20	48.91	≤74	PASS
		High	2462	AV	2483.500	-48	≤-41.20	47.20	≤54	PASS
				AV	2483.890	-47.96	≤-41.20	47.24	≤54	PASS
				AV	2500.000	-48.08	≤-41.20	47.12	≤54	PASS
				Peak	2483.500	-44.97	≤-21.20	50.23	≤74	PASS
				Peak	2483.560	-39.81	≤-21.20	55.39	≤74	PASS
				Peak	2500.000	-46.68	≤-21.20	48.52	≤74	PASS
11N20SIS O	Ant1	Low	2412	AV	2310.000	-49.27	≤-41.20	45.93	≤54	PASS
				AV	2389.960	-47.81	≤-41.20	47.39	≤54	PASS
				AV	2390.000	-47.81	≤-41.20	47.39	≤54	PASS
				Peak	2310.000	-43.19	≤-21.20	52.01	≤74	PASS
				Peak	2380.080	-39.09	≤-21.20	56.11	≤74	PASS
				Peak	2390.000	-43.36	≤-21.20	51.84	≤74	PASS
		High	2462	AV	2483.500	-47.87	≤-41.20	47.33	≤54	PASS
				AV	2483.560	-47.9	≤-41.20	47.30	≤54	PASS
				AV	2500.000	-48.08	≤-41.20	47.12	≤54	PASS
				Peak	2483.500	-43.84	≤-21.20	51.36	≤74	PASS
				Peak	2484.550	-39.81	≤-21.20	55.39	≤74	PASS
				Peak	2500.000	-48.8	≤-21.20	46.40	≤74	PASS
11N40SIS	Ant1	Low	2422	AV	2310.000	-49.3	≤-41.20	45.90	≤54	PASS

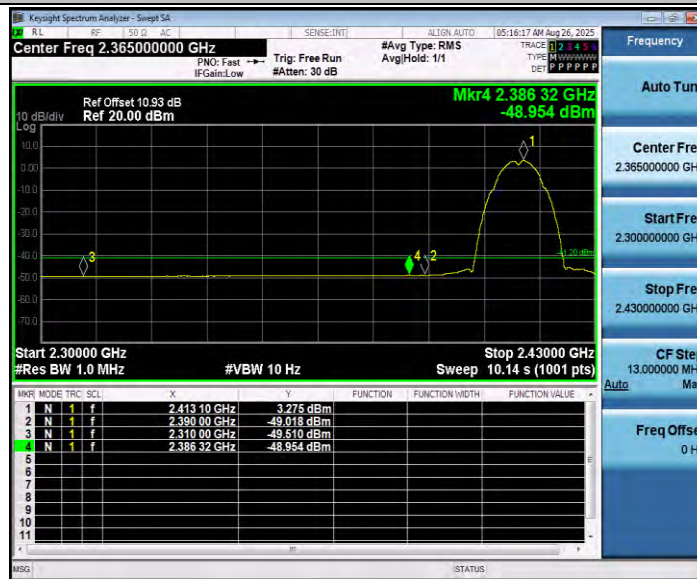
O				AV	2389.830	-46.46	≤ -41.20	48.74	≤ 54	PASS
				AV	2390.000	-46.46	≤ -41.20	48.74	≤ 54	PASS
				Peak	2310.000	-47.37	≤ -21.20	47.83	≤ 74	PASS
				Peak	2387.620	-32.01	≤ -21.20	63.19	≤ 74	PASS
				Peak	2390.000	-42.97	≤ -21.20	52.23	≤ 74	PASS
		High	2452	AV	2483.500	-46.6	≤ -41.20	48.60	≤ 54	PASS
				AV	2484.000	-46.5	≤ -41.20	48.70	≤ 54	PASS
				AV	2500.000	-47.81	≤ -41.20	47.39	≤ 54	PASS
				Peak	2483.500	-41.49	≤ -21.20	53.71	≤ 74	PASS
				Peak	2483.780	-37.93	≤ -21.20	57.27	≤ 74	PASS
				Peak	2500.000	-44.49	≤ -21.20	50.71	≤ 74	PASS

Note:

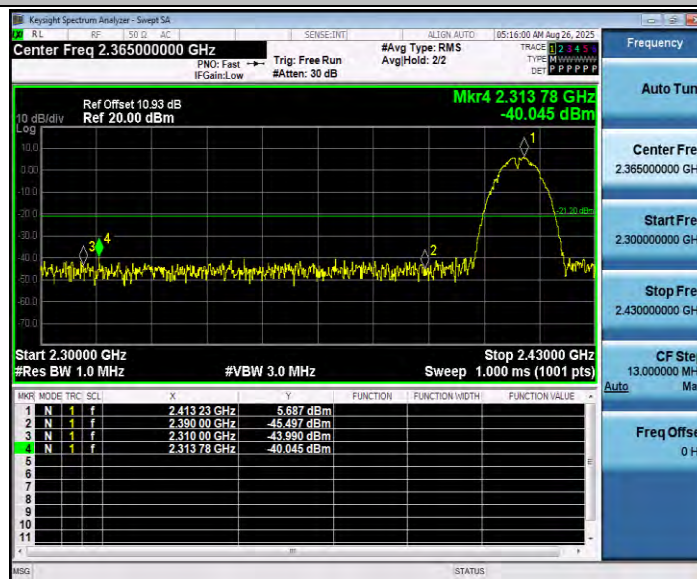
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

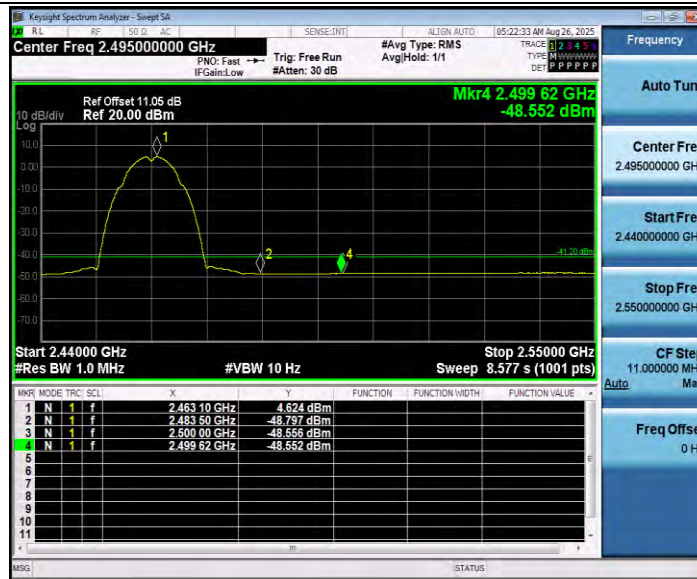
11B_Ant1_Low_2412_AV



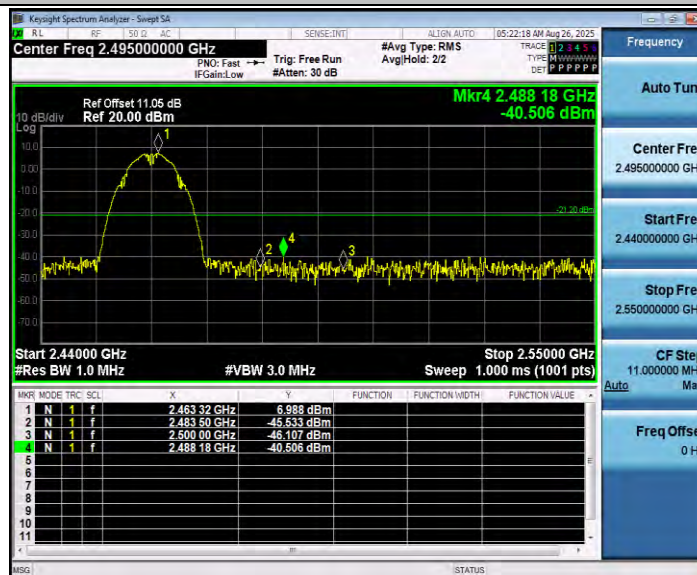
11B_Ant1_Low_2412_Peak



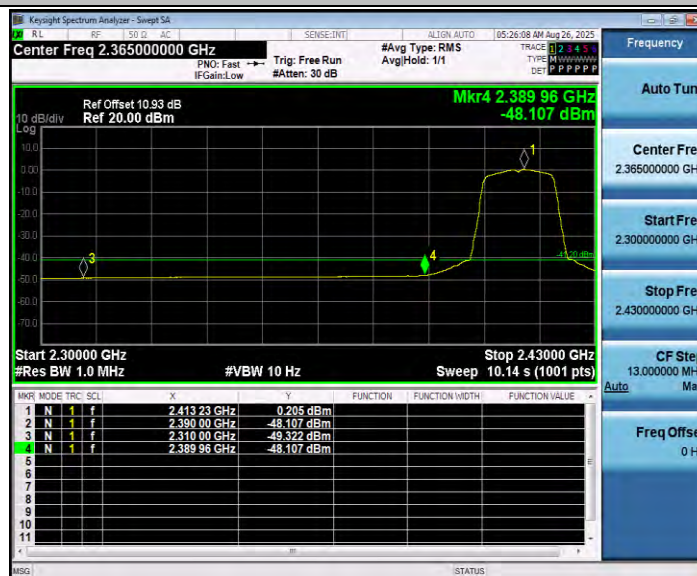
11B_Ant1_High_2462_AV



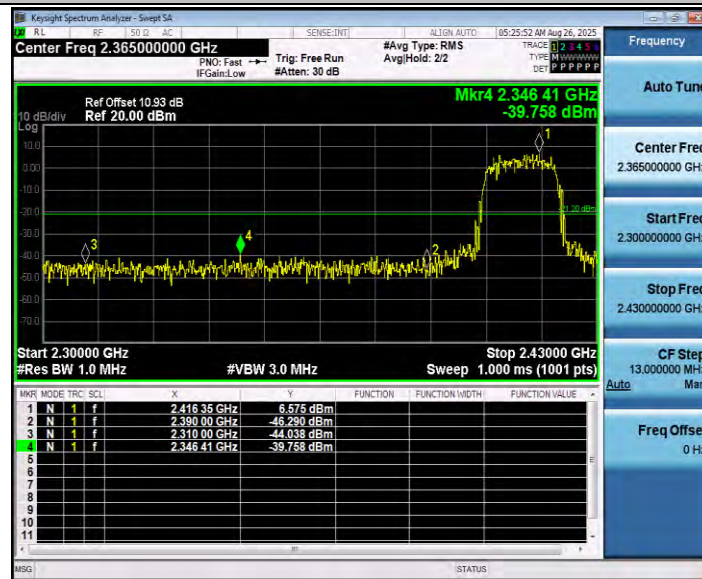
11B_Ant1_High_2462_Peak



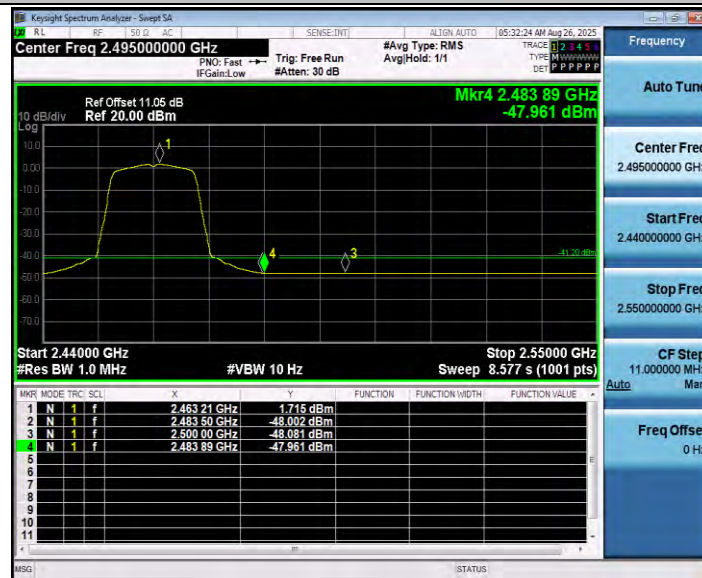
11G_Ant1_Low_2412_AV



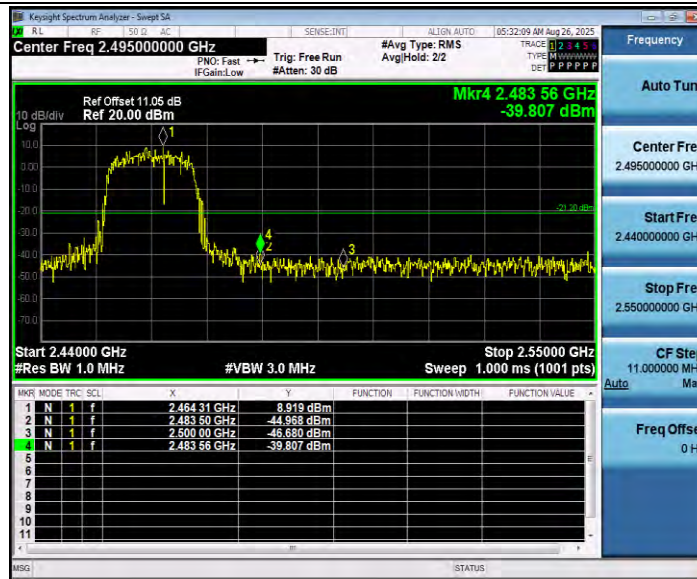
11G_Ant1_Low_2412_Peak



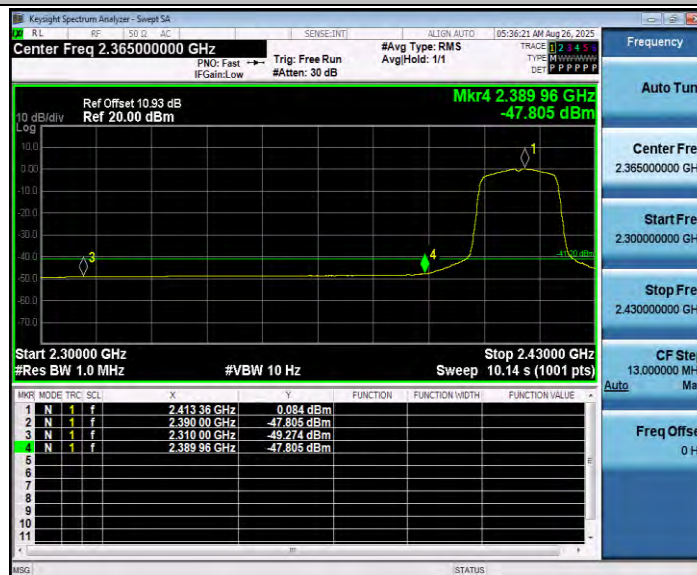
11G_Ant1_High_2462_AV



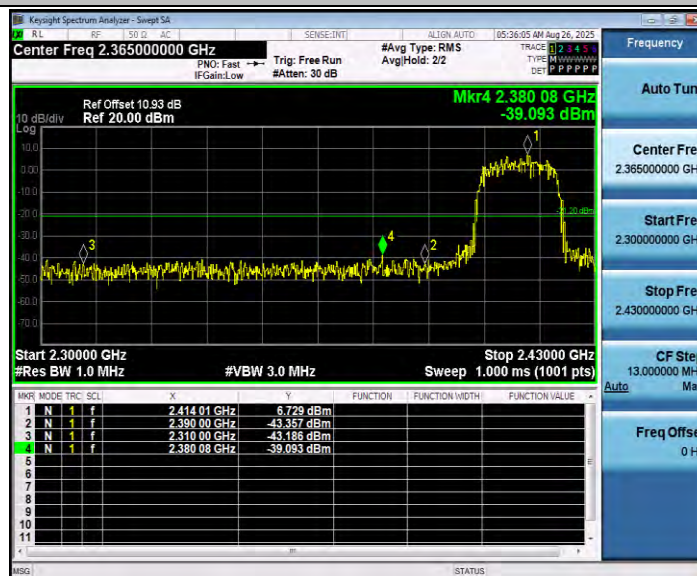
11G_Ant1_High_2462_Peak



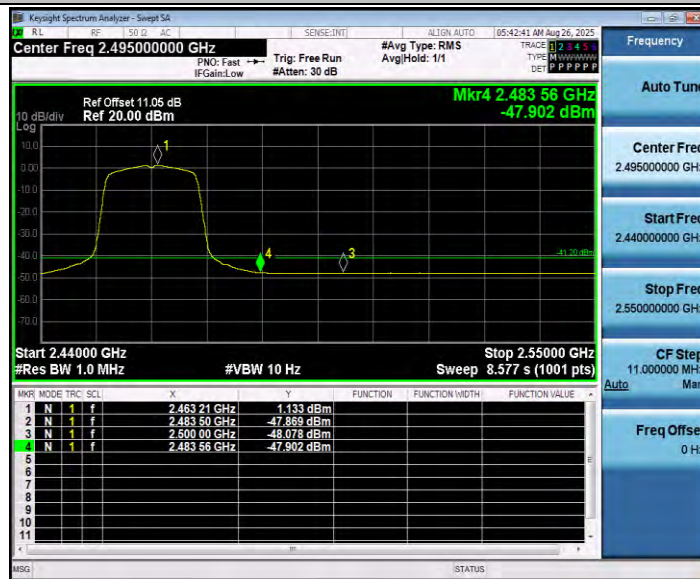
11N20SISO_Ant1_Low_2412_AV



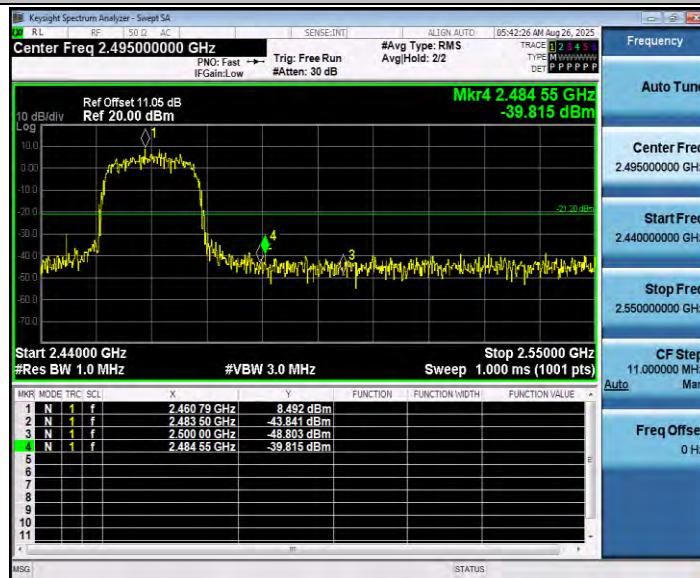
11N20SISO_Ant1_Low_2412_Peak



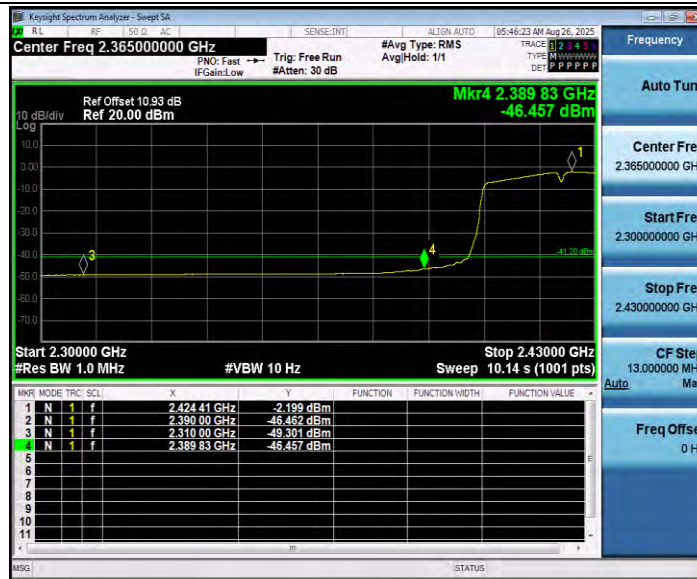
11N20SISO_Ant1_High_2462_AV



11N20SISO_Ant1_High_2462_Peak



11N40SISO_Ant1_Low_2422_AV



11N40SISO_Ant1_Low_2422_Peak



11N40SISO_Ant1_High_2452_AV

