

Case No. : <u>GTS20250310003-1-06</u>	
Ambient Condition: <u>22</u> °C, <u>49</u> %RH,	
Test Date: <u>2025.4.25</u>	Test Engineer: <u>Evan ouyang</u>

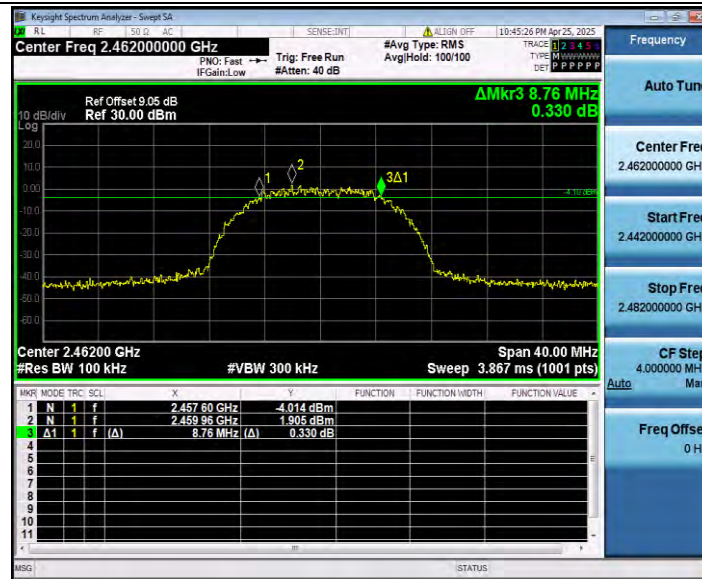
Appendix B.1: DTS Bandwidth

Test Result

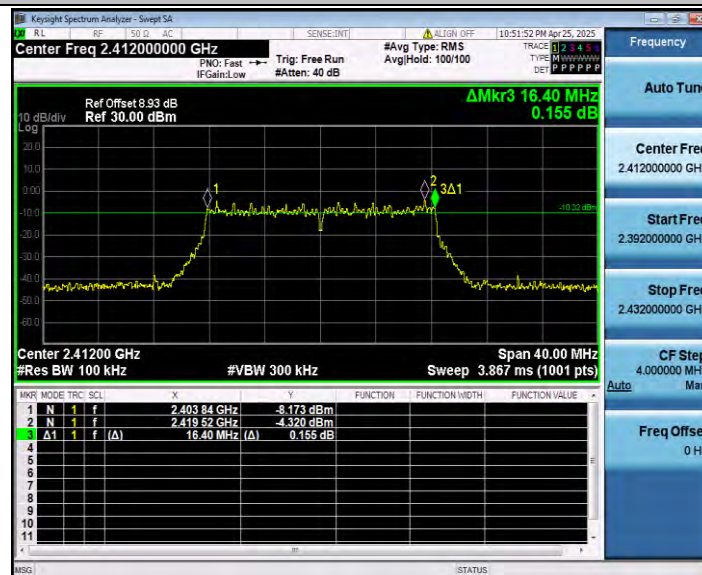
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.720	2407.640	2416.360	0.5	PASS
		2437	8.800	2432.520	2441.320	0.5	PASS
		2462	8.760	2457.600	2466.360	0.5	PASS
11G	Ant1	2412	16.400	2403.840	2420.240	0.5	PASS
		2437	16.400	2428.800	2445.200	0.5	PASS
		2462	16.400	2453.800	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.160	2403.560	2420.720	0.5	PASS
		2437	17.320	2428.440	2445.760	0.5	PASS
		2462	17.520	2453.240	2470.760	0.5	PASS
11N40SISO	Ant1	2422	36.240	2403.920	2440.160	0.5	PASS
		2437	36.320	2418.840	2455.160	0.5	PASS
		2452	35.840	2434.000	2469.840	0.5	PASS

Test Graphs

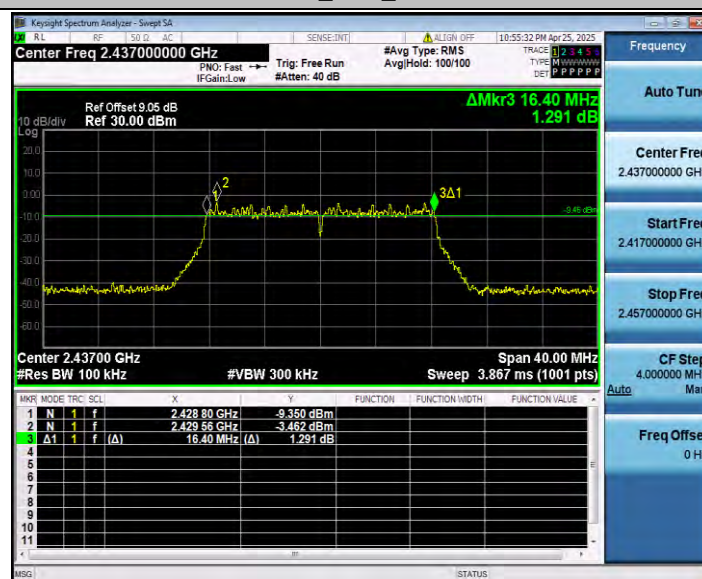




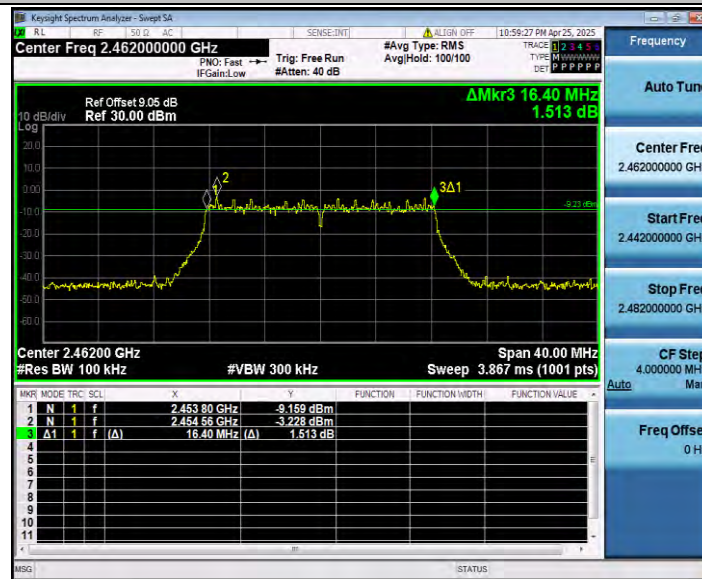
11G_Ant1_2412



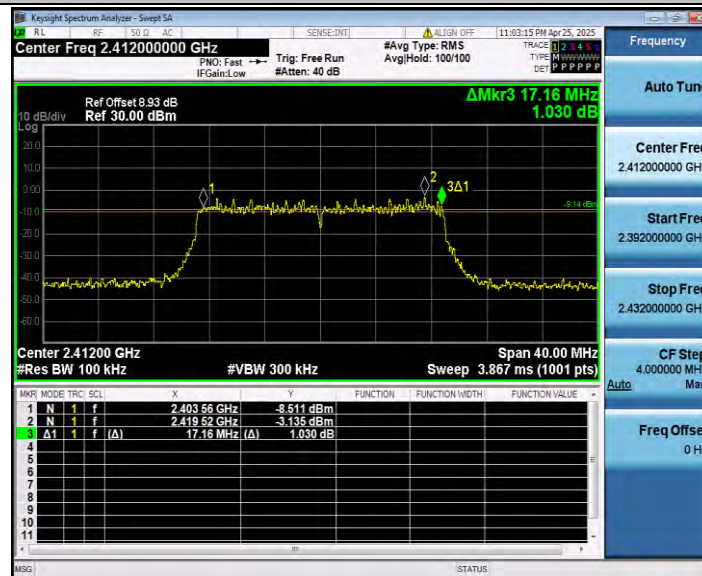
11G_Ant1_2437



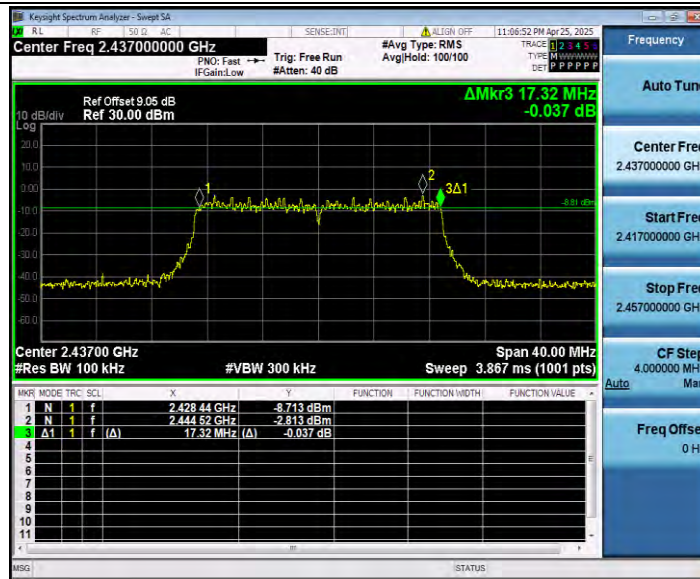
11G_Ant1_2462



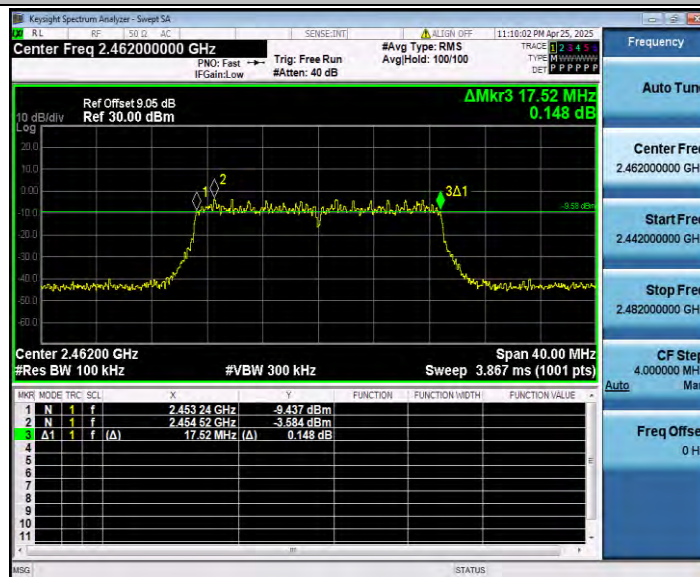
11N20SISO_Ant1_2412



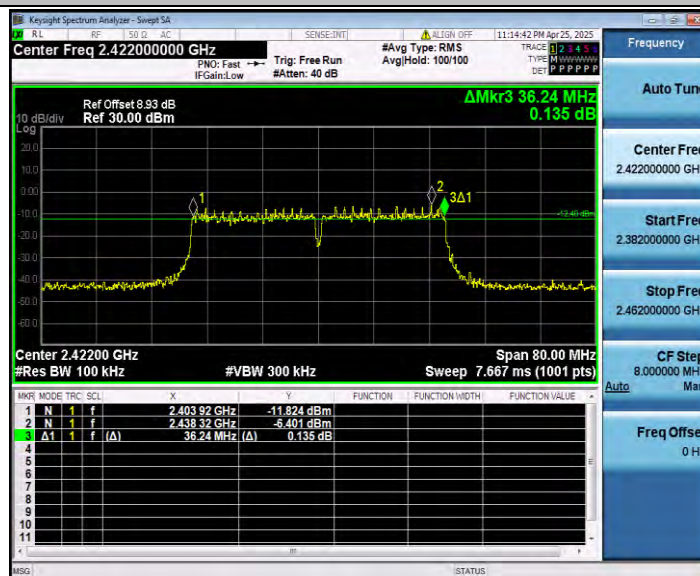
11N20SISO_Ant1_2437



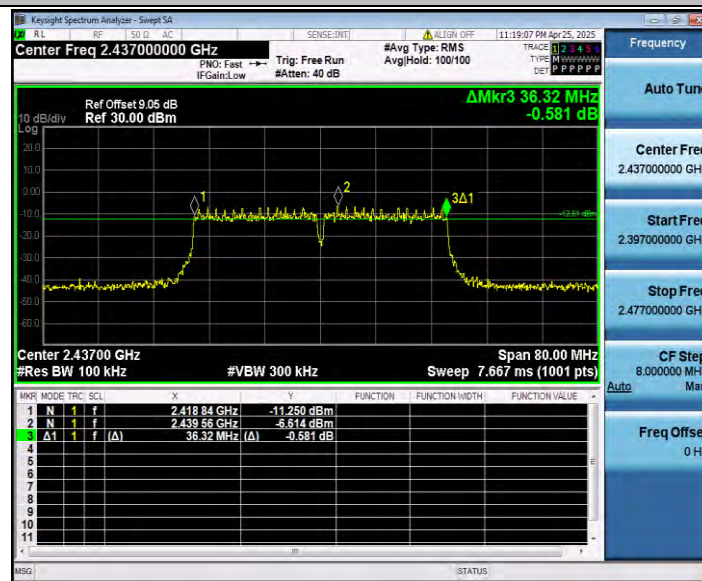
11N20SISO_Ant1_2462



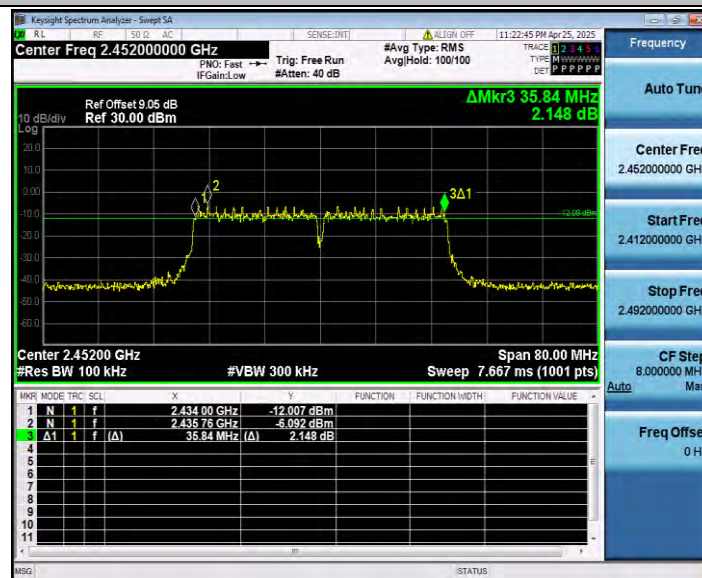
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



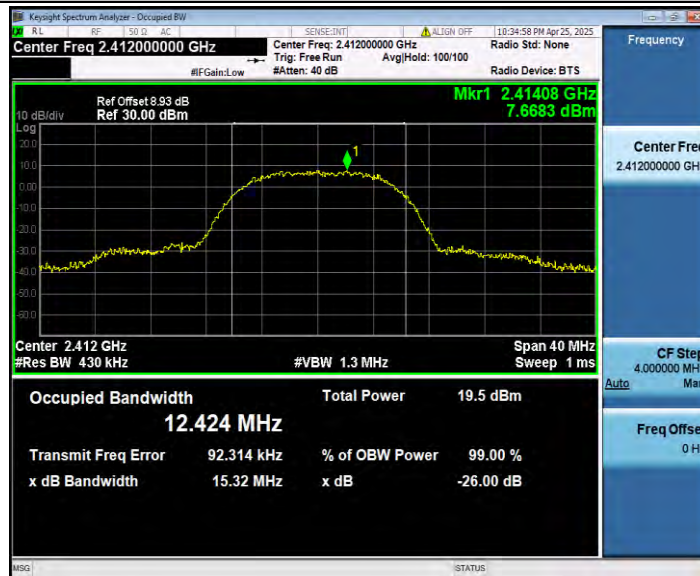
Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.424	2405.8803	2418.3043	---	---
		2437	12.216	2430.9248	2443.1408	---	---
		2462	12.221	2455.9203	2468.1413	---	---
11G	Ant1	2412	16.851	2403.6119	2420.4629	---	---
		2437	16.813	2428.6277	2445.4407	---	---
		2462	16.885	2453.5781	2470.4631	---	---
11N20SISO	Ant1	2412	17.780	2403.1835	2420.9635	---	---
		2437	17.726	2428.1952	2445.9212	---	---
		2462	17.752	2453.1406	2470.8926	---	---
11N40SISO	Ant1	2422	36.587	2403.7996	2440.3866	---	---
		2437	36.510	2418.8128	2455.3228	---	---
		2452	36.453	2433.7704	2470.2234	---	---

Test Graphs

11B_Ant1_2412



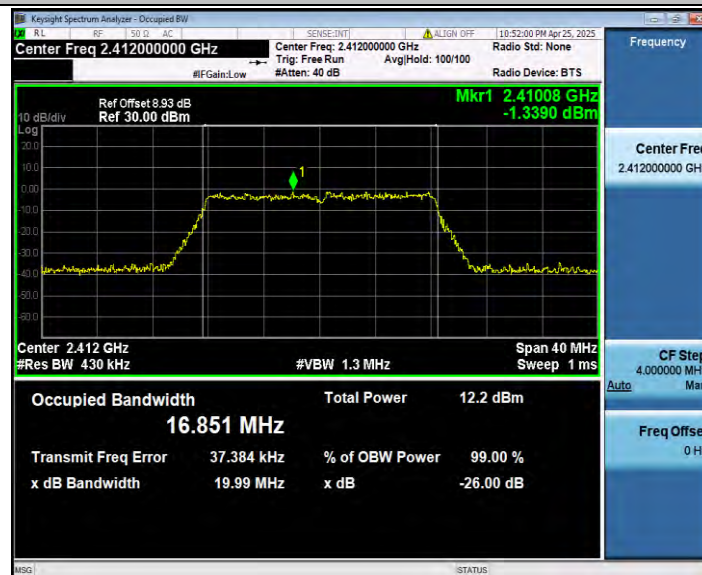
11B_Ant1_2437



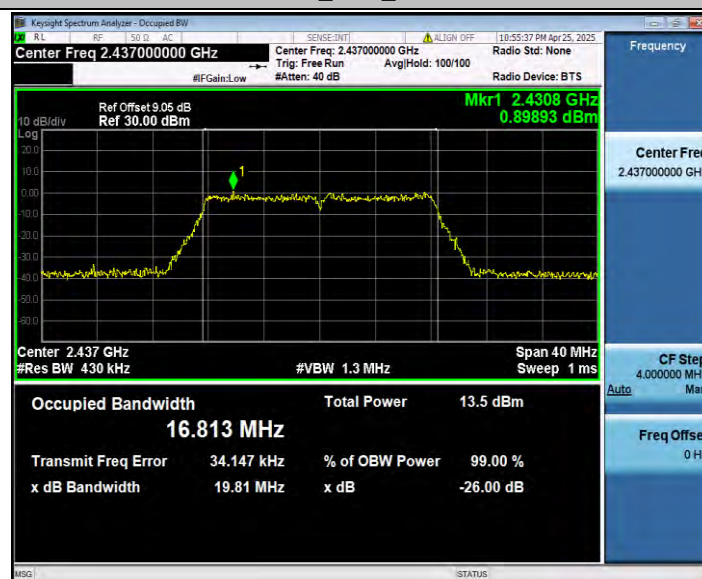
11B_Ant1_2462



11G_Ant1_2412



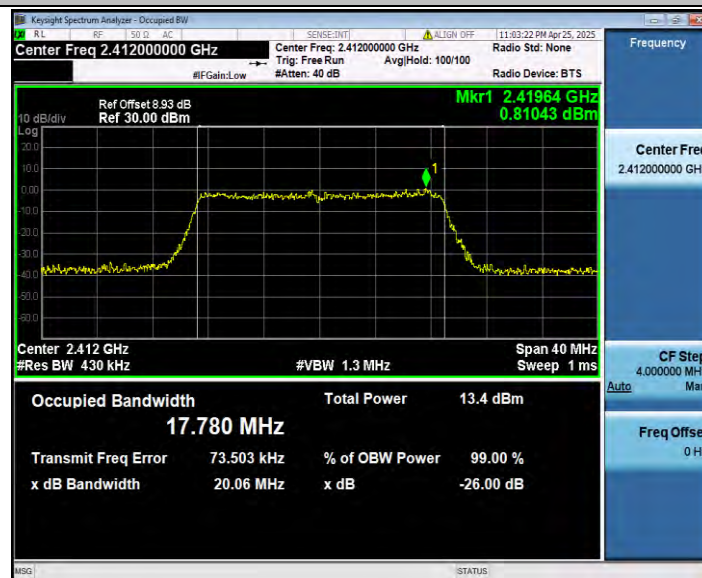
11G_Ant1_2437



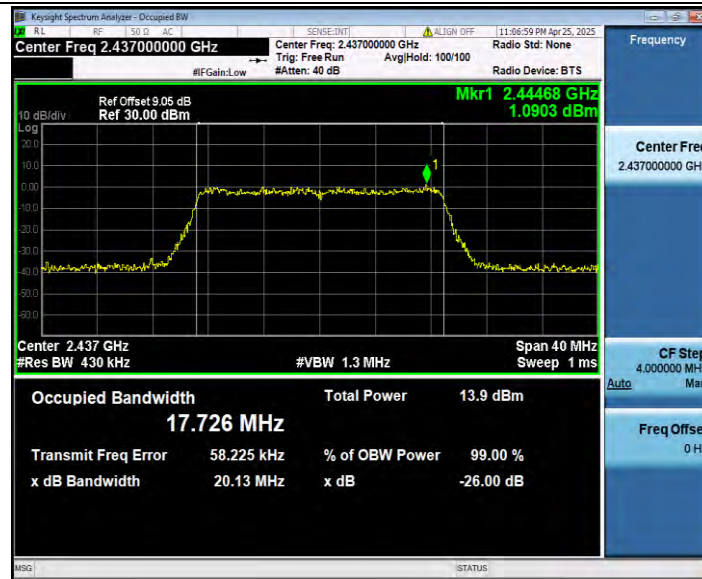
11G_Ant1_2462



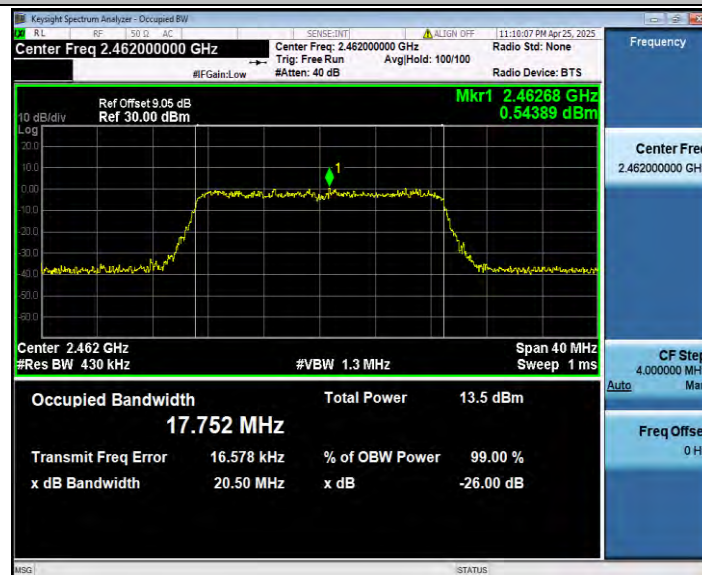
11N20SISO_Ant1_2412



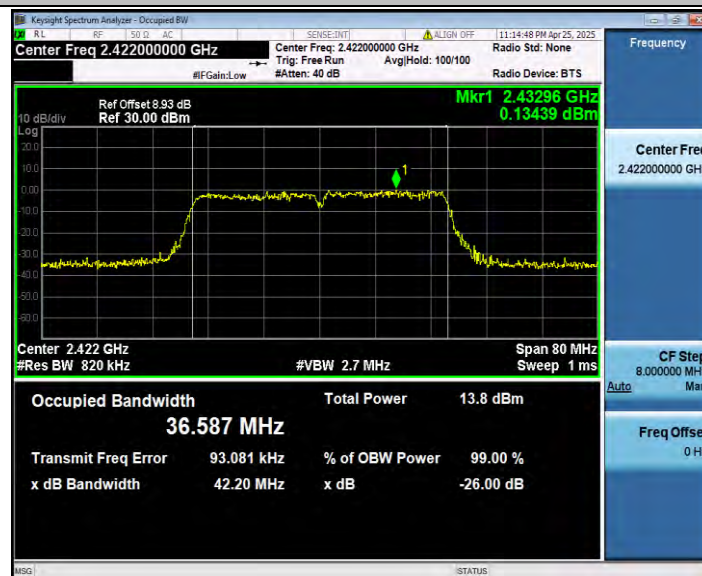
11N20SISO_Ant1_2437



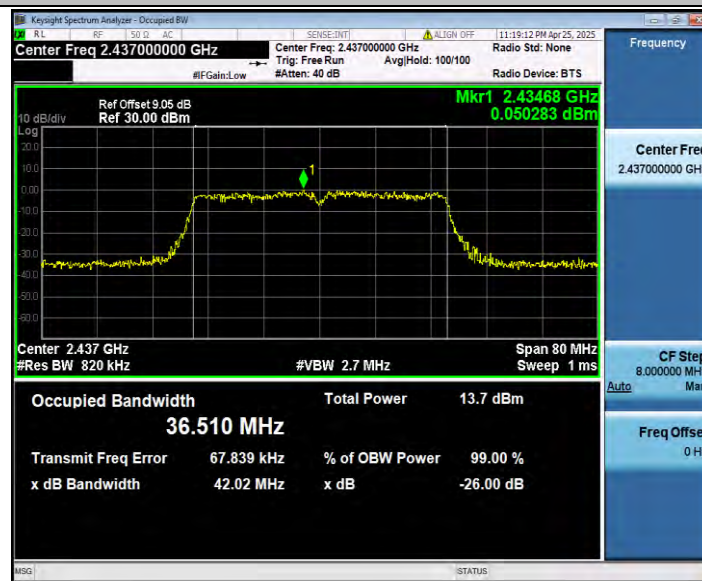
11N20SISO_Ant1_2462



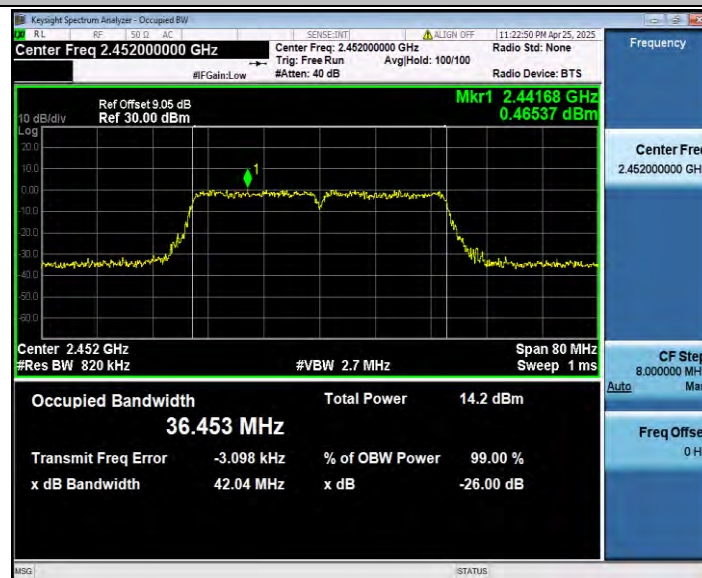
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix B.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	19.15	≤30.00	PASS
		2437	16.83	≤30.00	PASS
		2462	16.49	≤30.00	PASS
11G	Ant1	2412	13.29	≤30.00	PASS
		2437	14.50	≤30.00	PASS
		2462	14.54	≤30.00	PASS
11N20SISO	Ant1	2412	14.12	≤30.00	PASS
		2437	14.79	≤30.00	PASS
		2462	14.34	≤30.00	PASS
11N40SISO	Ant1	2422	13.90	≤30.00	PASS
		2437	13.99	≤30.00	PASS
		2452	14.27	≤30.00	PASS

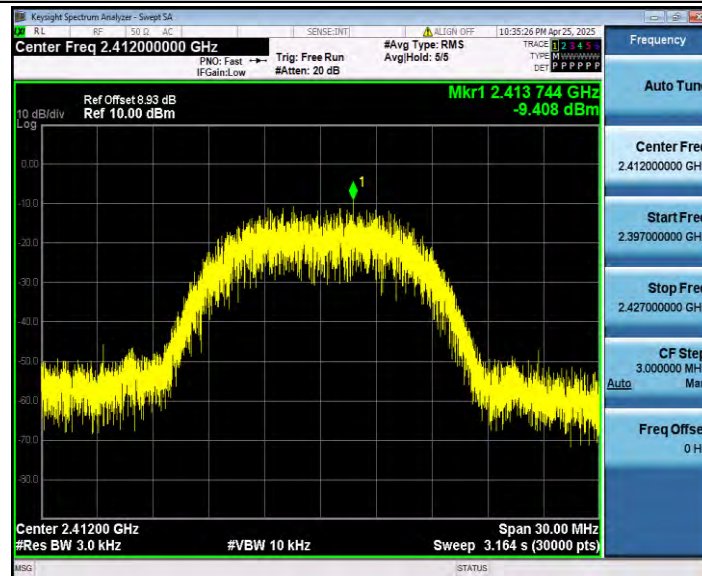
Appendix B.4: Maximum power spectral density

Test Result

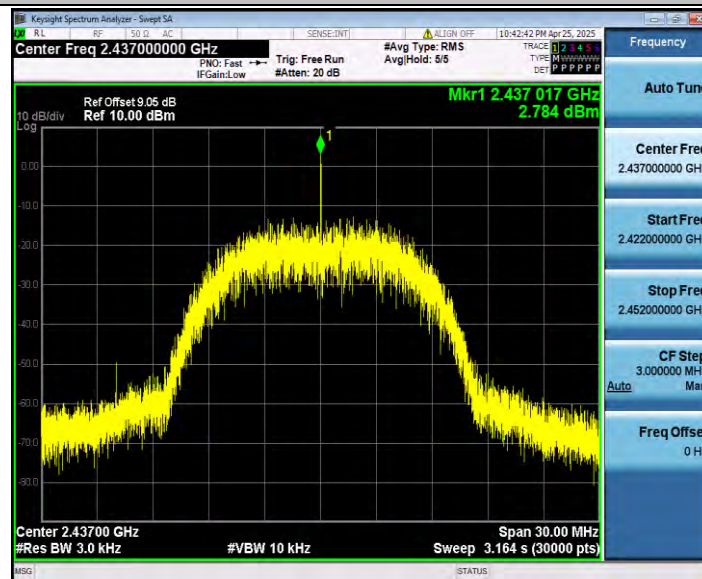
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.41	≤8.00	PASS
		2437	2.78	≤8.00	PASS
		2462	-5.97	≤8.00	PASS
11G	Ant1	2412	-19.56	≤8.00	PASS
		2437	-19.80	≤8.00	PASS
		2462	-20.34	≤8.00	PASS
11N20SISO	Ant1	2412	-19.62	≤8.00	PASS
		2437	-18.96	≤8.00	PASS
		2462	-19.24	≤8.00	PASS
11N40SISO	Ant1	2422	-23.32	≤8.00	PASS
		2437	-22.51	≤8.00	PASS
		2452	-22.13	≤8.00	PASS

Test Graphs

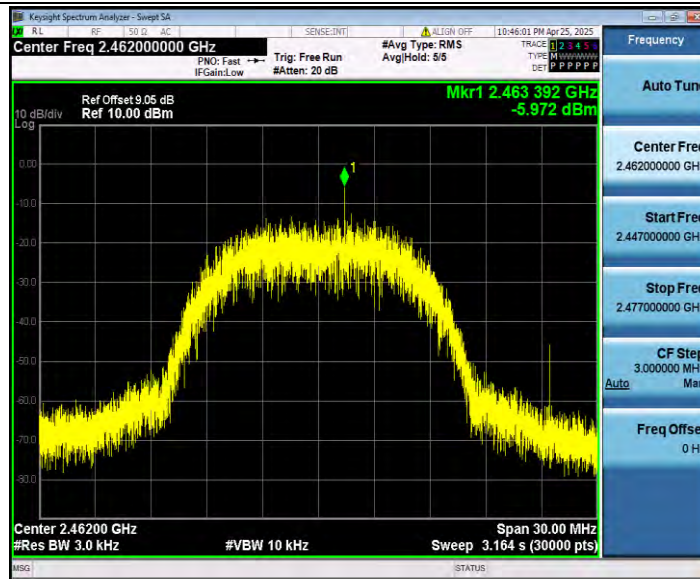
11B_Ant1_2412



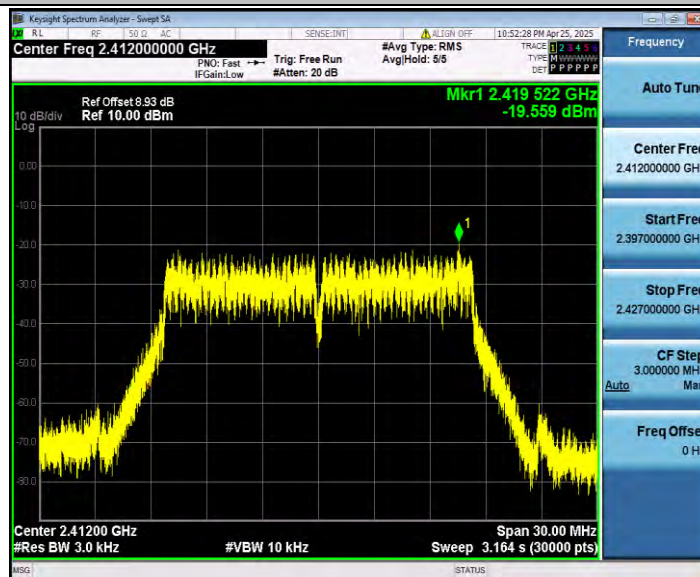
11B_Ant1_2437



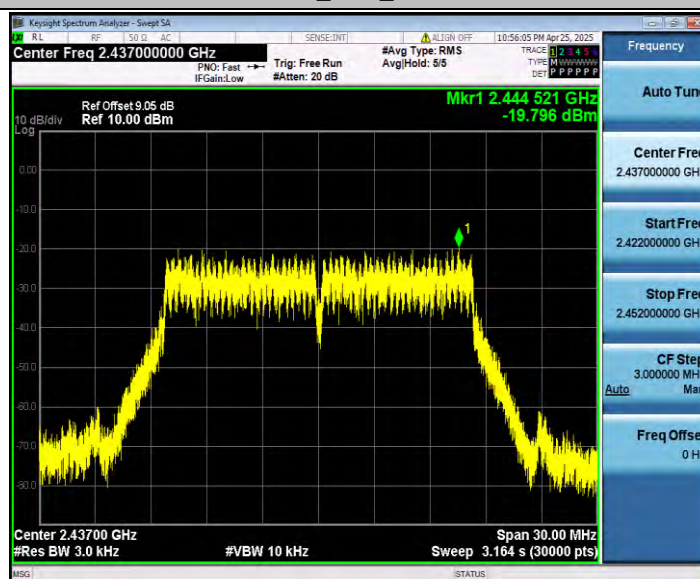
11B_Ant1_2462



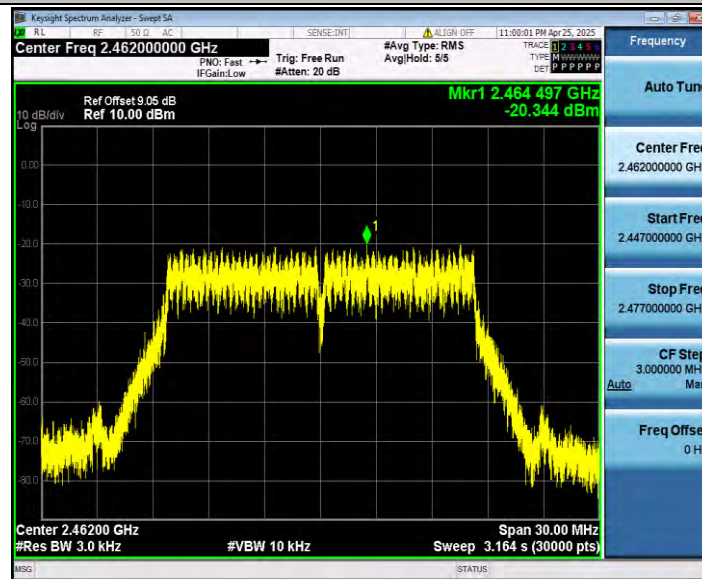
11G_Ant1_2412



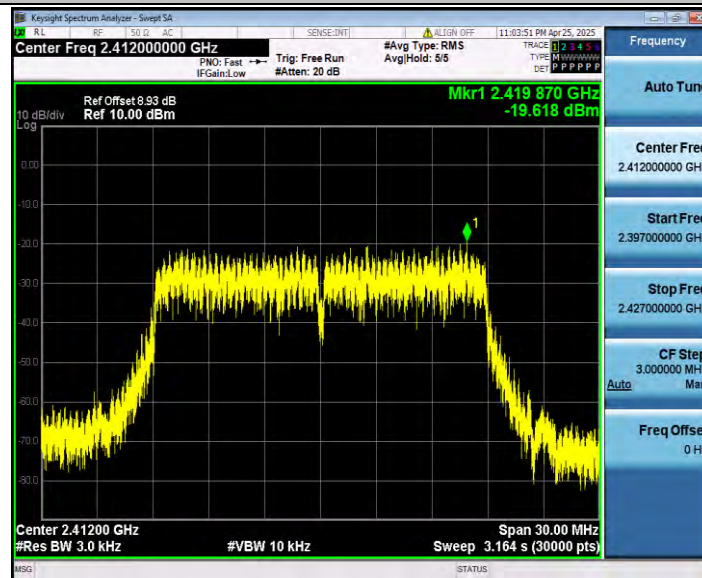
11G_Ant1_2437



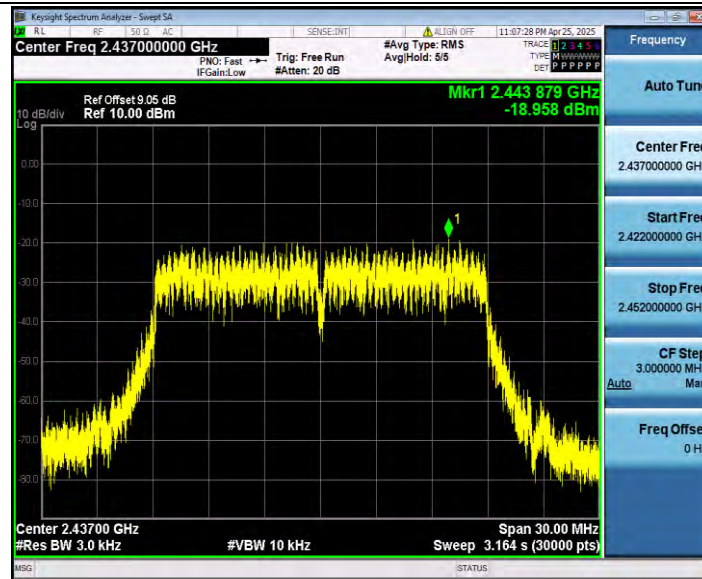
11G_Ant1_2462



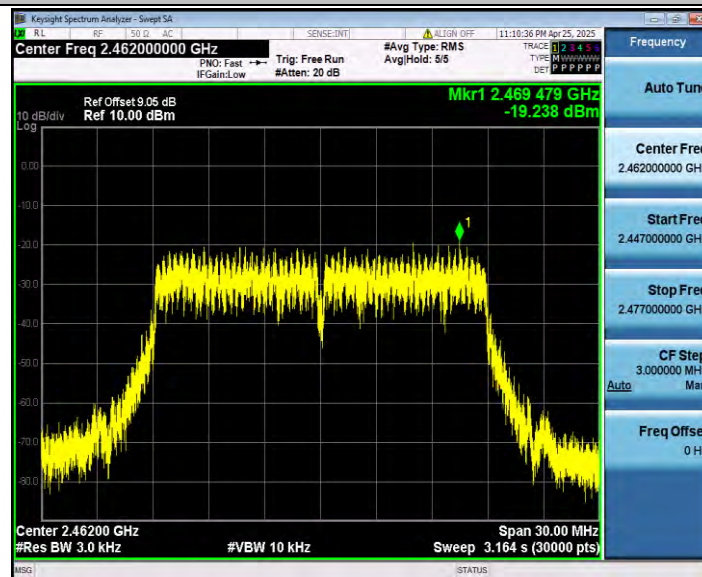
11N20SISO_Ant1_2412



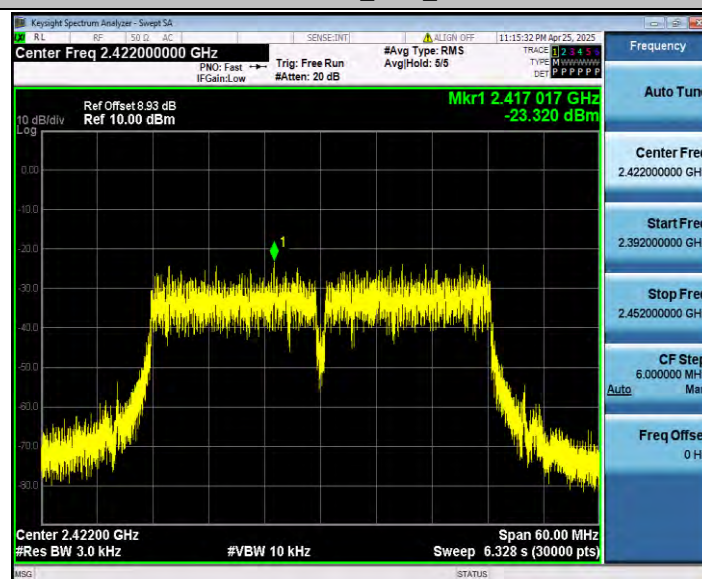
11N20SISO_Ant1_2437



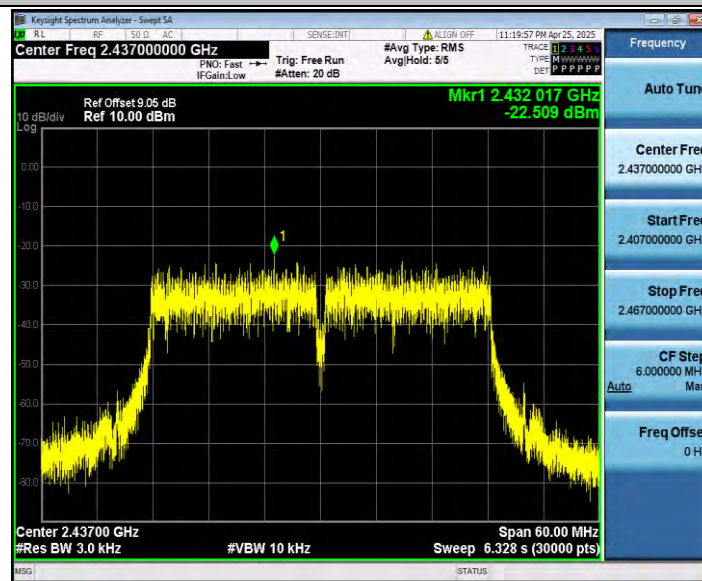
11N20SISO_Ant1_2462



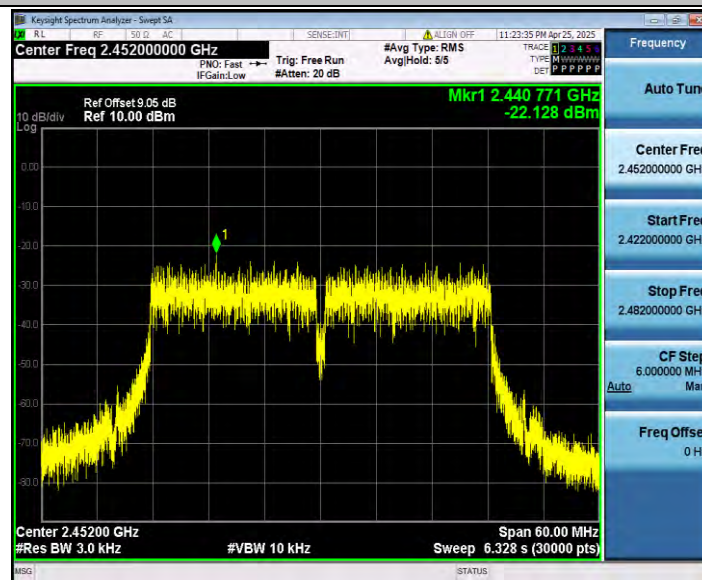
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



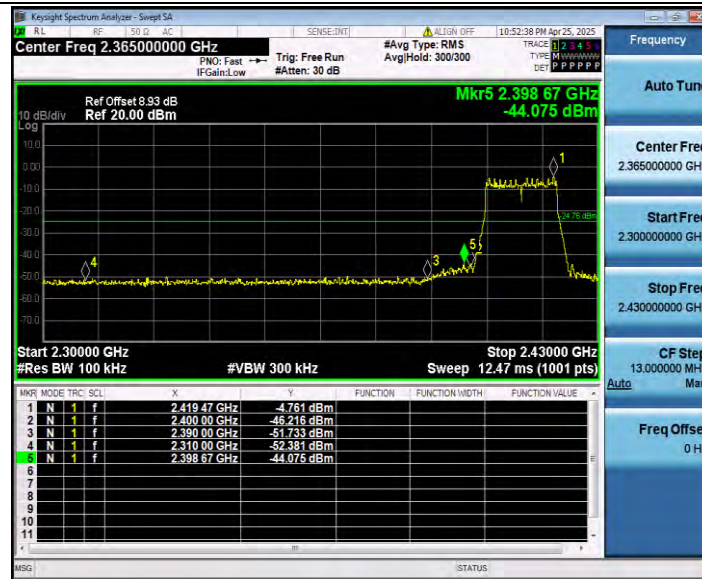
Appendix B.5: Band edge measurements

Test Result

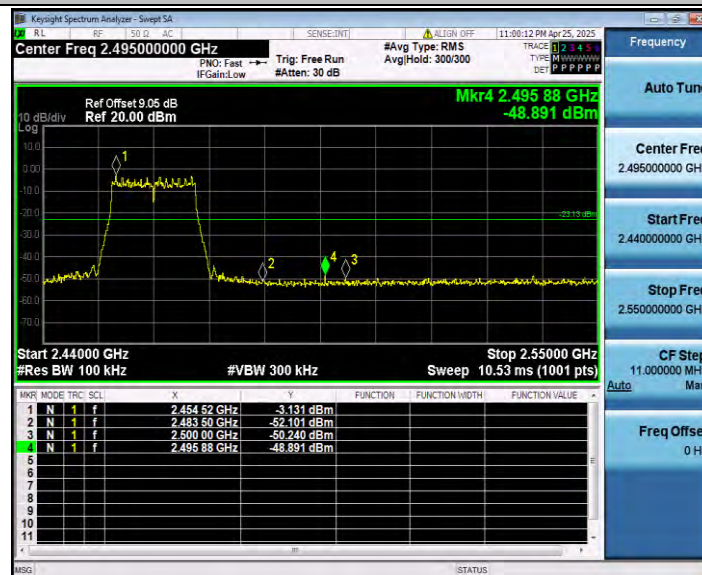
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.96	-33.01	≤ -15.04	PASS
		High	2462	2.35	-48.86	≤ -17.65	PASS
11G	Ant1	Low	2412	-4.76	-44.08	≤ -24.76	PASS
		High	2462	-3.13	-48.89	≤ -23.13	PASS
11N20SISO	Ant1	Low	2412	-3.13	-42.82	≤ -23.13	PASS
		High	2462	-3.27	-48.43	≤ -23.27	PASS
11N40SISO	Ant1	Low	2422	-6.65	-41.56	≤ -26.65	PASS
		High	2452	-6.46	-49.13	≤ -26.46	PASS

Test Graphs

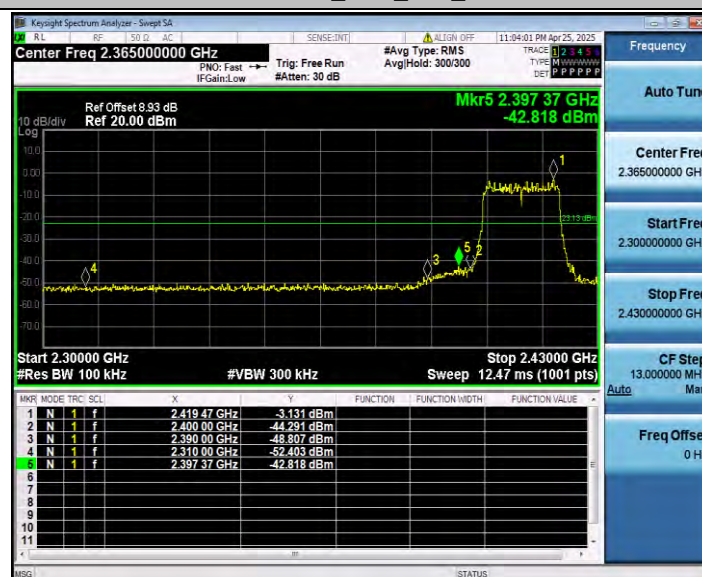




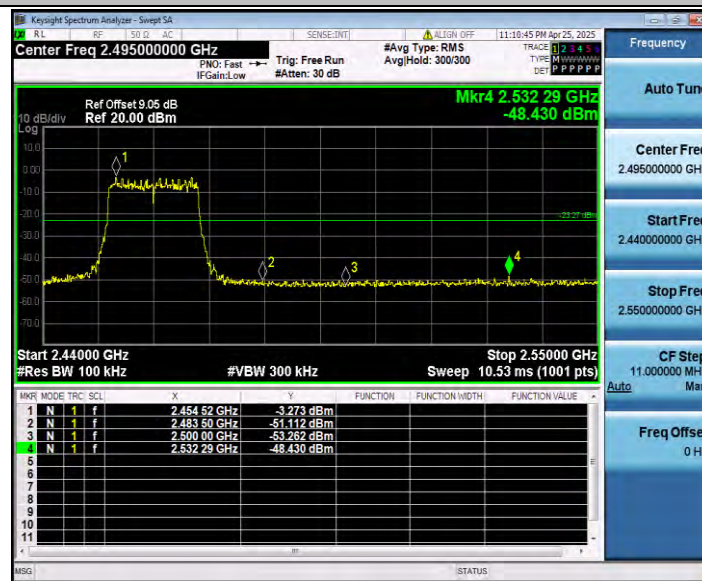
11G_Ant1_High_2462



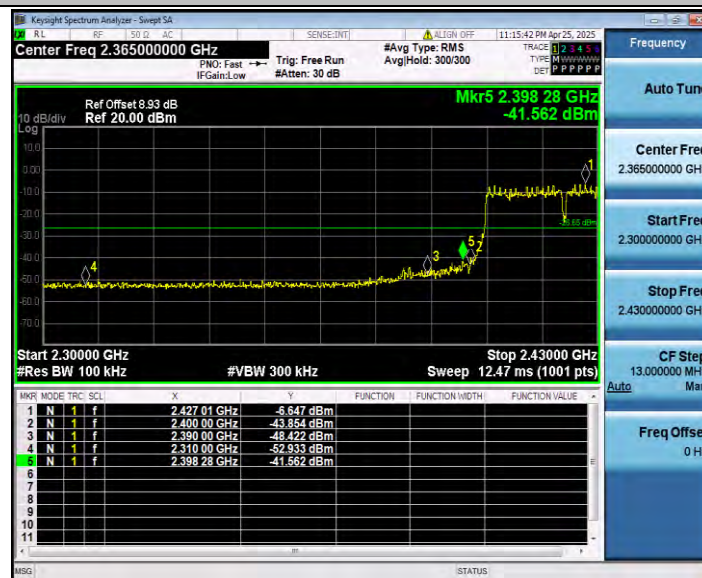
11N20SISO_Ant1_Low_2412



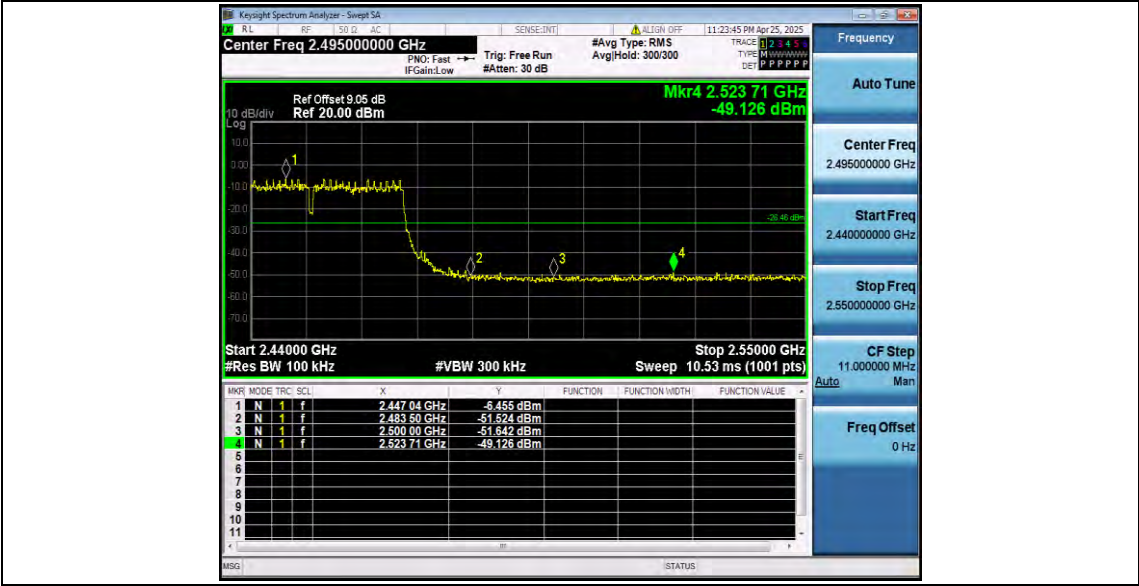
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

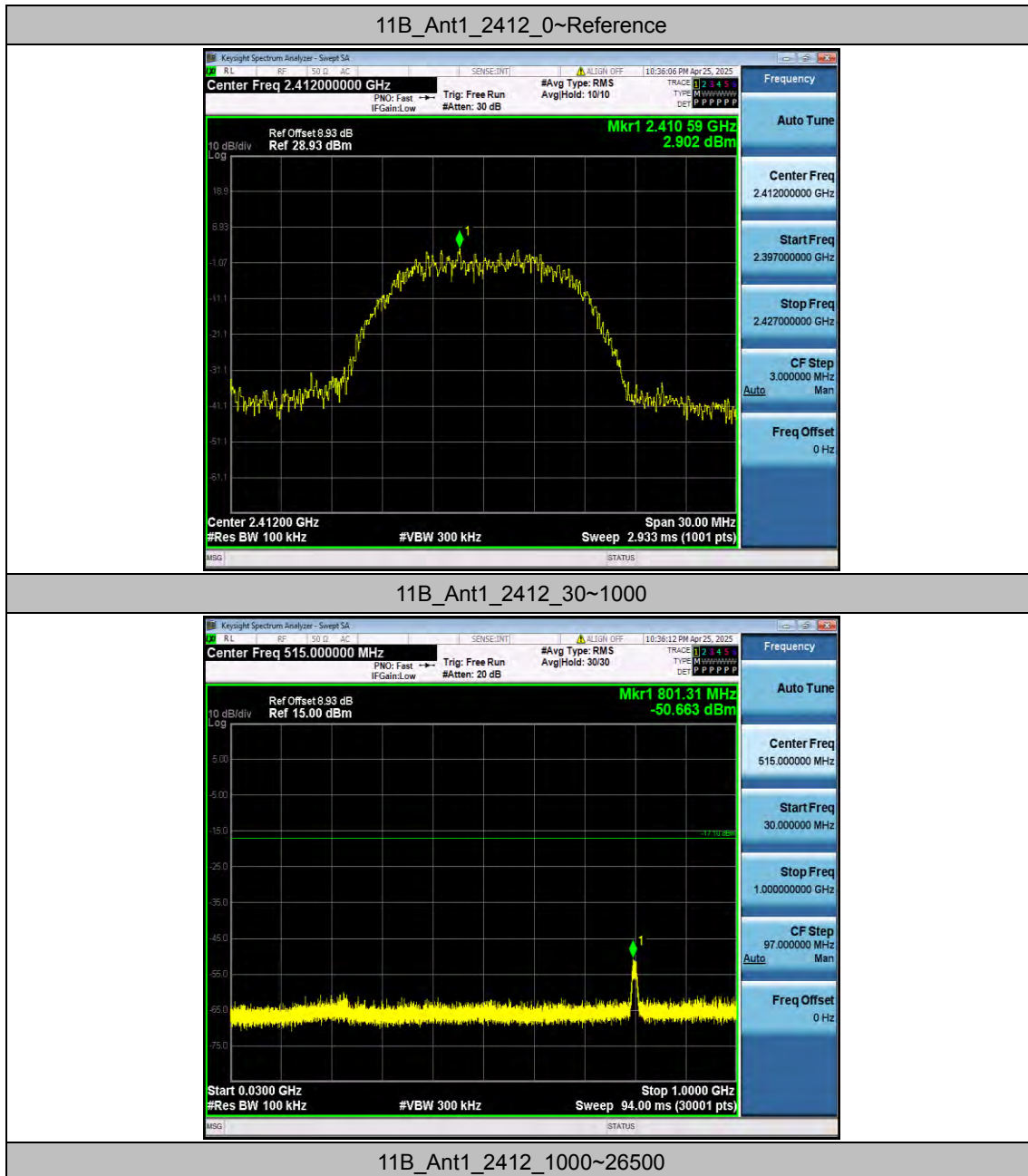


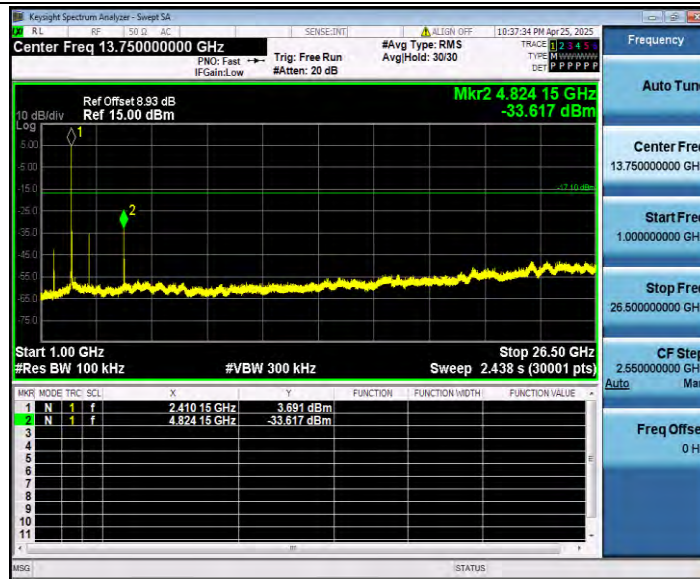
Appendix B.6: Conducted Spurious Emission

Test Result

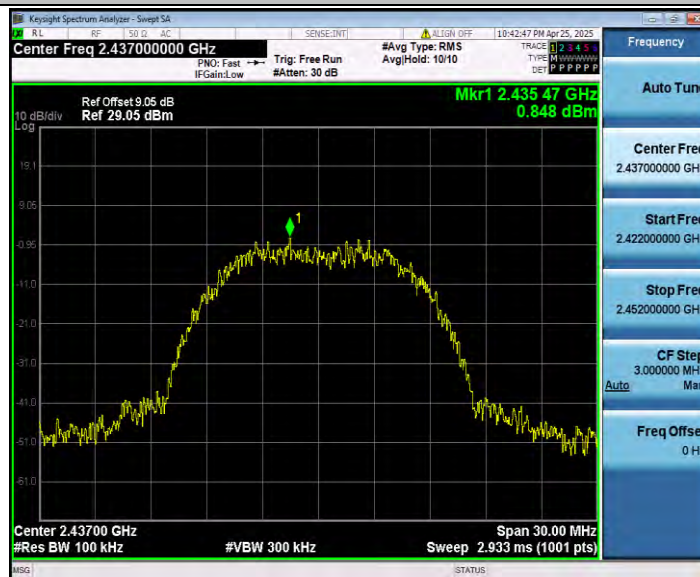
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.90	2.90	---	PASS
			30~1000	2.90	-50.66	≤ -17.1	PASS
			1000~26500	2.90	-33.62	≤ -17.1	PASS
		2437	Reference	0.85	0.85	---	PASS
			30~1000	0.85	-53.27	≤ -19.15	PASS
			1000~26500	0.85	-41.02	≤ -19.15	PASS
		2462	Reference	0.80	0.80	---	PASS
			30~1000	0.80	-55.27	≤ -19.2	PASS
			1000~26500	0.80	-42.4	≤ -19.2	PASS
11G	Ant1	2412	Reference	-4.72	-4.72	---	PASS
			30~1000	-4.72	-54.56	≤ -24.72	PASS
			1000~26500	-4.72	-37.64	≤ -24.72	PASS
		2437	Reference	-4.46	-4.46	---	PASS
			30~1000	-4.46	-55.69	≤ -24.46	PASS
			1000~26500	-4.46	-40.78	≤ -24.46	PASS
		2462	Reference	-4.07	-4.07	---	PASS
			30~1000	-4.07	-56.66	≤ -24.07	PASS
			1000~26500	-4.07	-43.9	≤ -24.07	PASS
11N20SISO	Ant1	2412	Reference	-4.24	-4.24	---	PASS
			30~1000	-4.24	-53.1	≤ -24.24	PASS
			1000~26500	-4.24	-37.61	≤ -24.24	PASS
		2437	Reference	-3.24	-3.24	---	PASS
			30~1000	-3.24	-54.3	≤ -23.24	PASS
			1000~26500	-3.24	-40.71	≤ -23.24	PASS
		2462	Reference	-4.93	-4.93	---	PASS
			30~1000	-4.93	-56.15	≤ -24.93	PASS
			1000~26500	-4.93	-43.55	≤ -24.93	PASS
11N40SISO	Ant1	2422	Reference	-6.82	-6.82	---	PASS
			30~1000	-6.82	-57.06	≤ -26.82	PASS
			1000~26500	-6.82	-39.01	≤ -26.82	PASS
		2437	Reference	-7.40	-7.40	---	PASS
			30~1000	-7.40	-57.3	≤ -27.4	PASS
			1000~26500	-7.40	-41.18	≤ -27.4	PASS
		2452	Reference	-6.70	-6.70	---	PASS
			30~1000	-6.70	-57.07	≤ -26.7	PASS
			1000~26500	-6.70	-42.72	≤ -26.7	PASS

Test Graphs

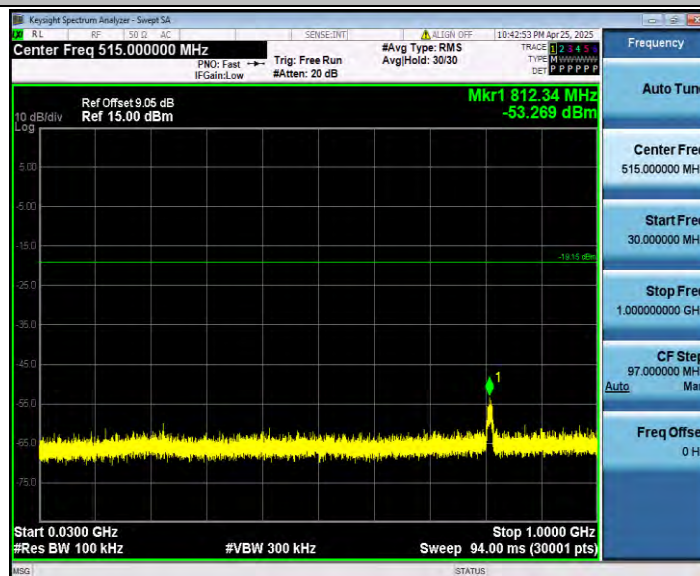




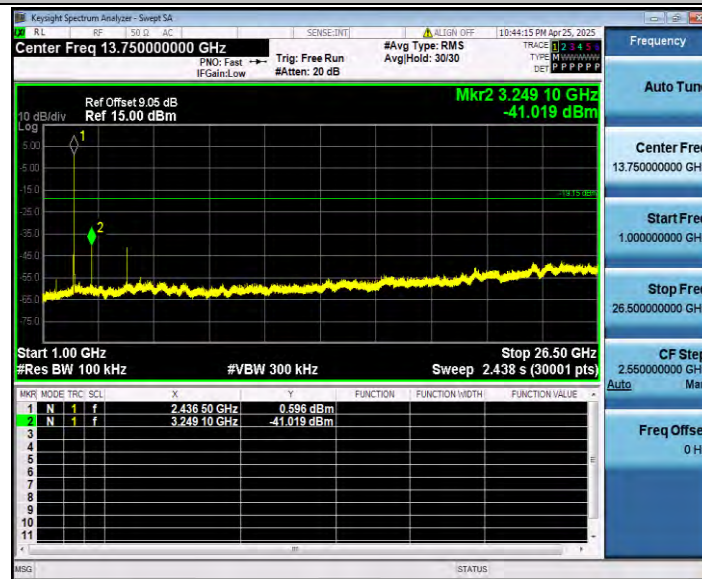
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



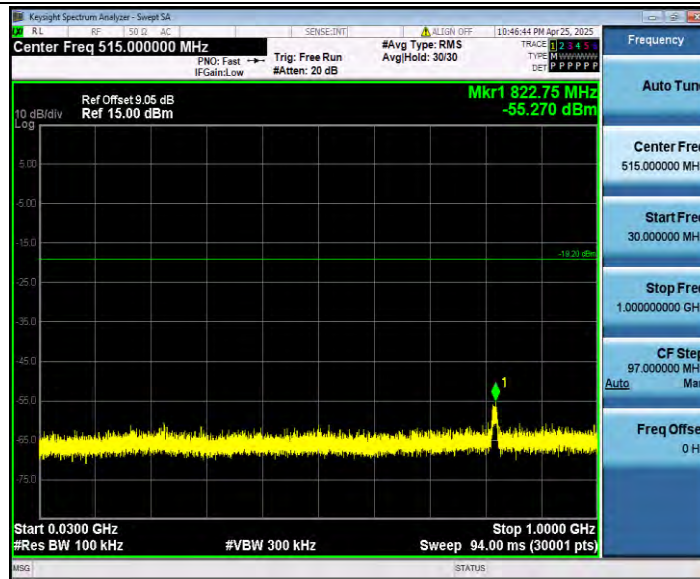
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



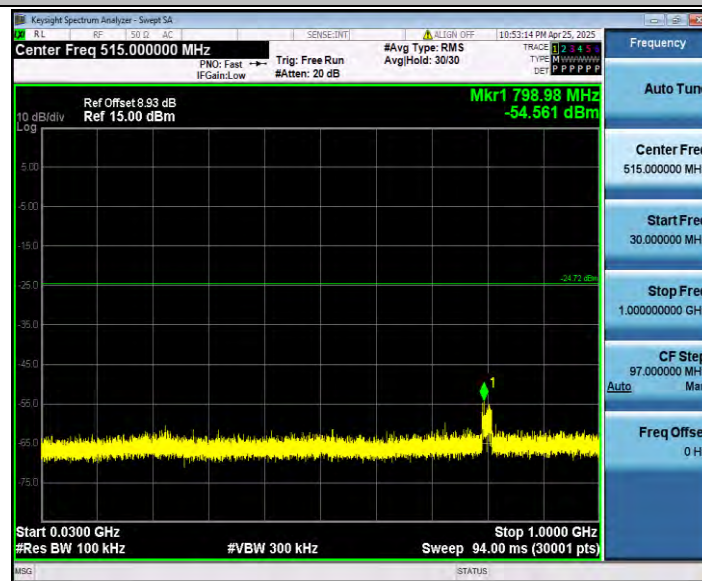
11B_Ant1_2462_1000~26500



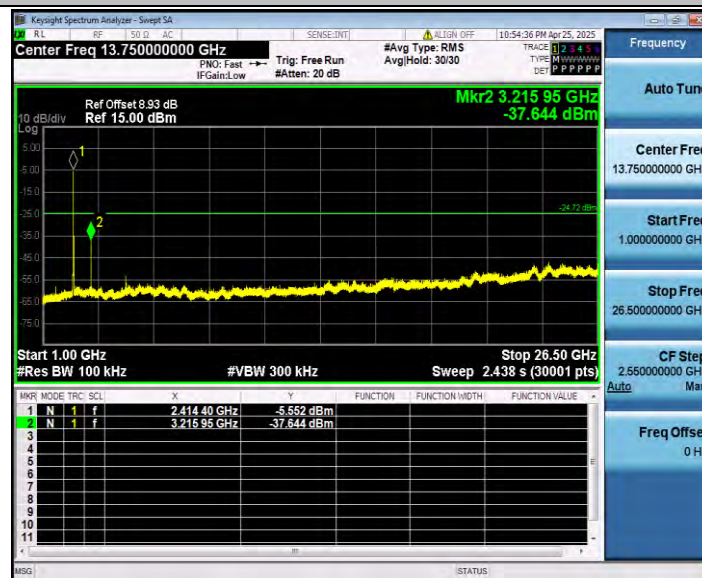
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



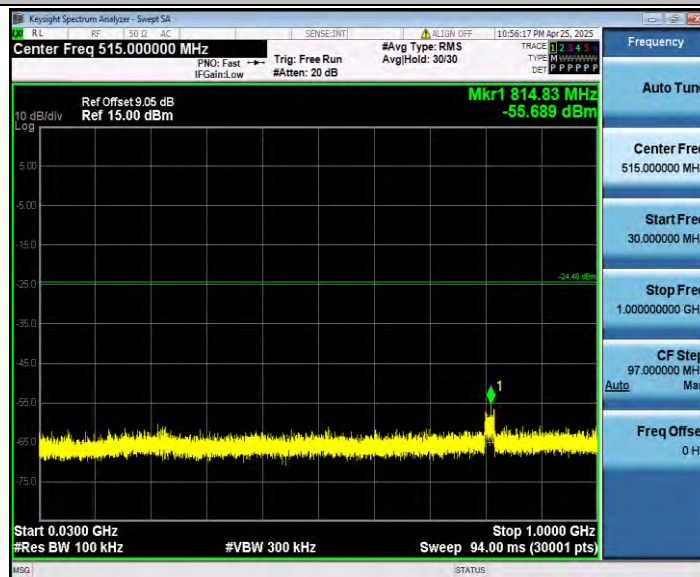
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



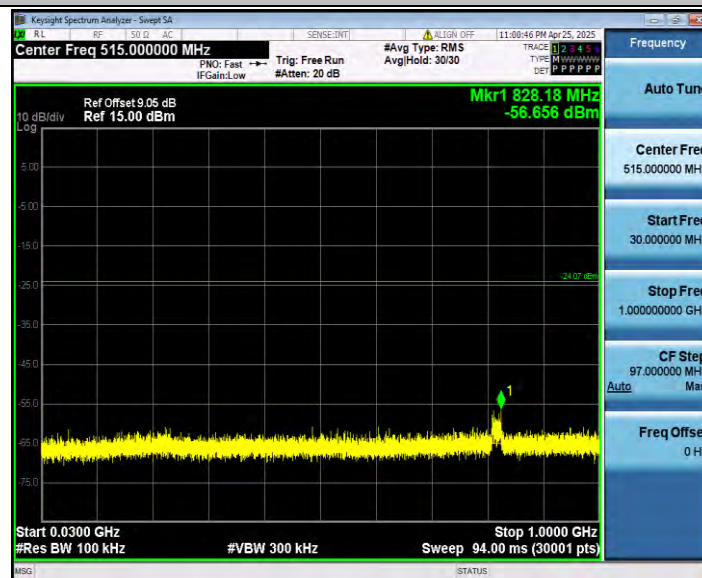
11G_Ant1_2437_1000~26500



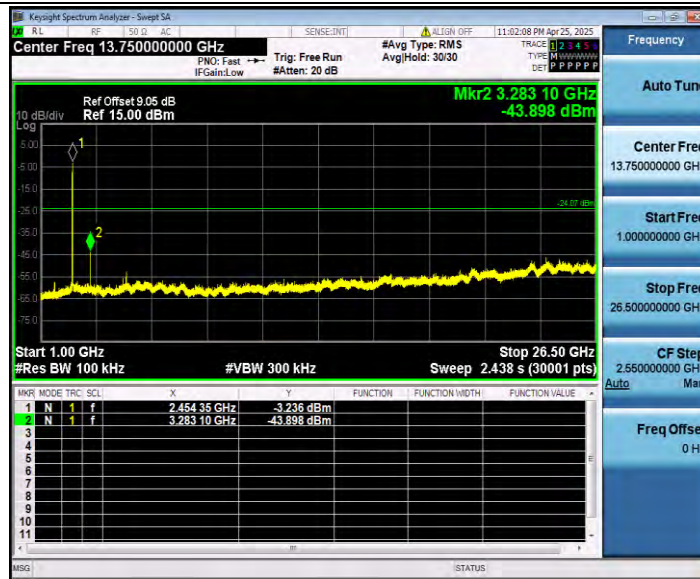
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



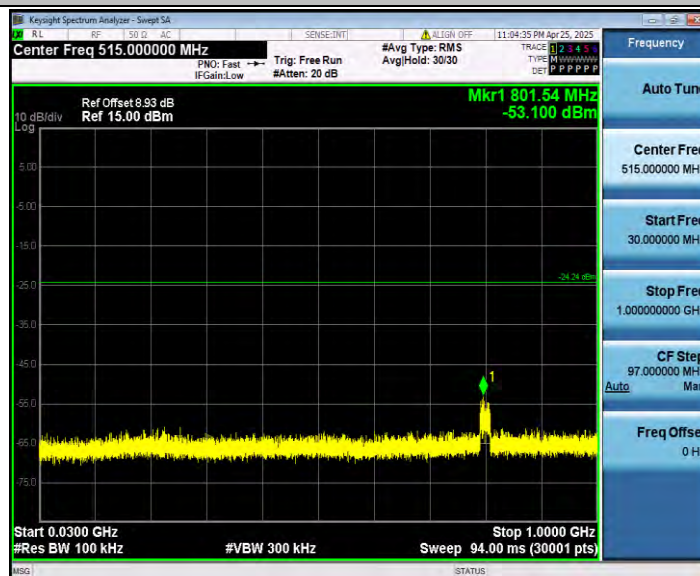
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



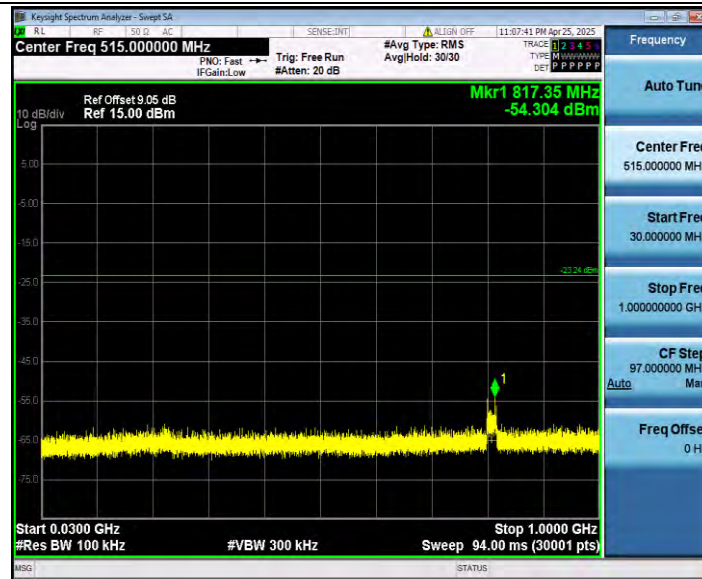
11N20SISO_Ant1_2412_1000~26500



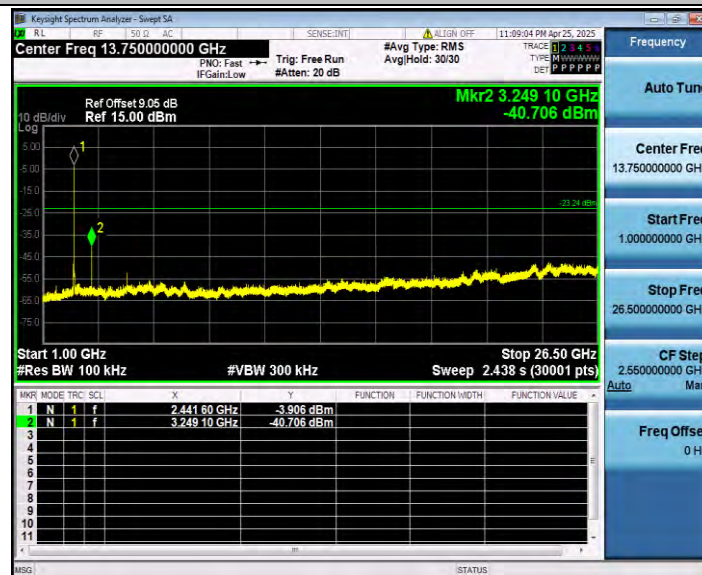
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



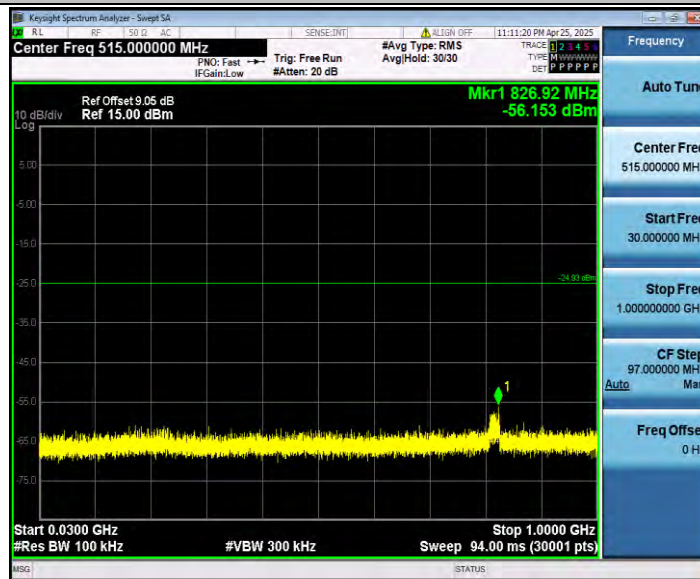
11N20SISO_Ant1_2437_1000~26500



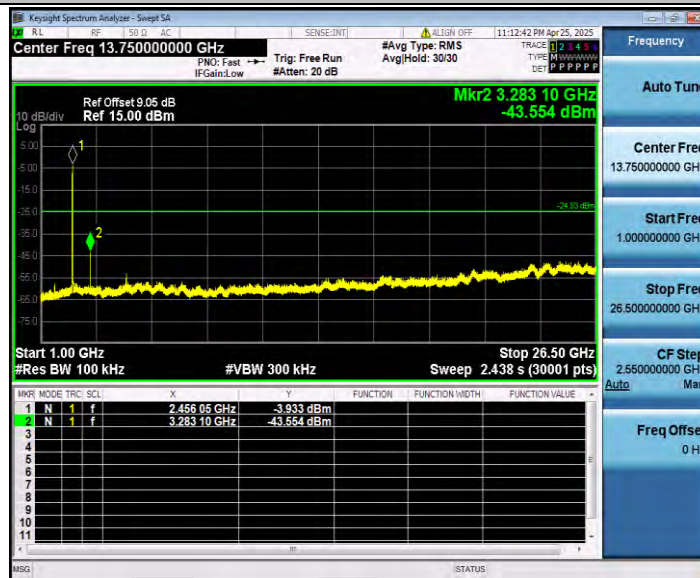
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



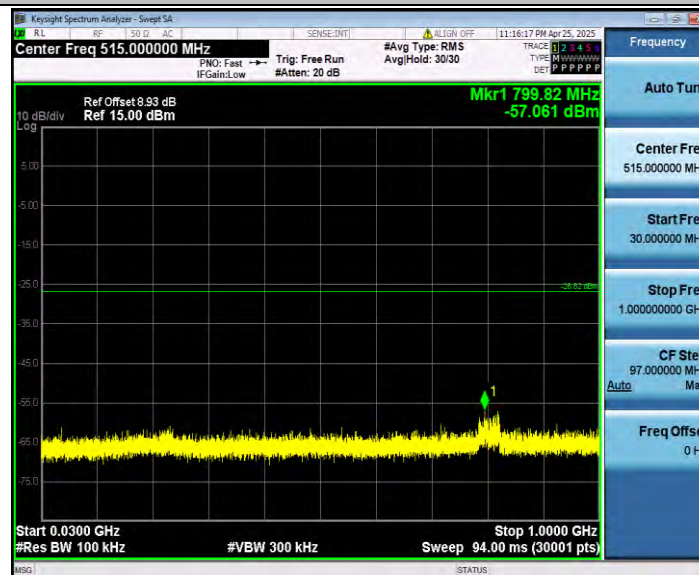
11N20SISO_Ant1_2462_1000~26500



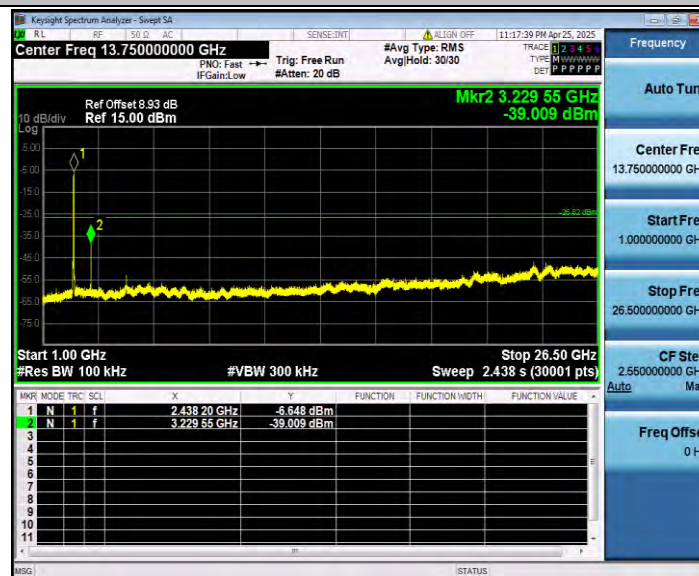
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



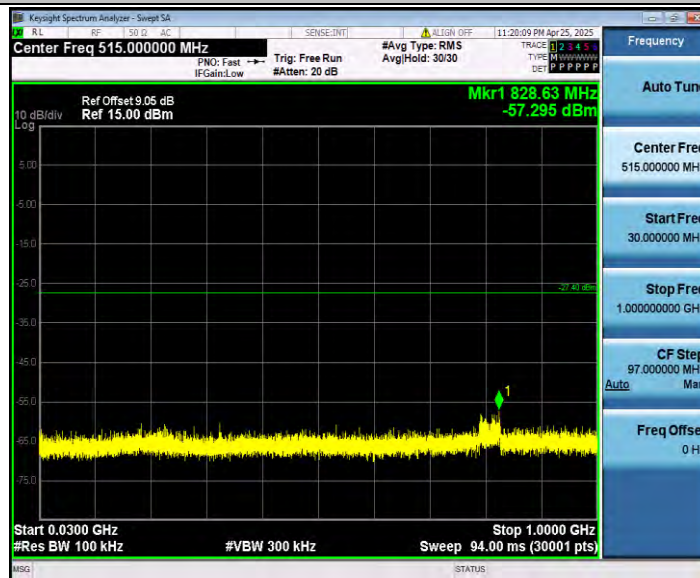
11N40SISO_Ant1_2422_1000~26500



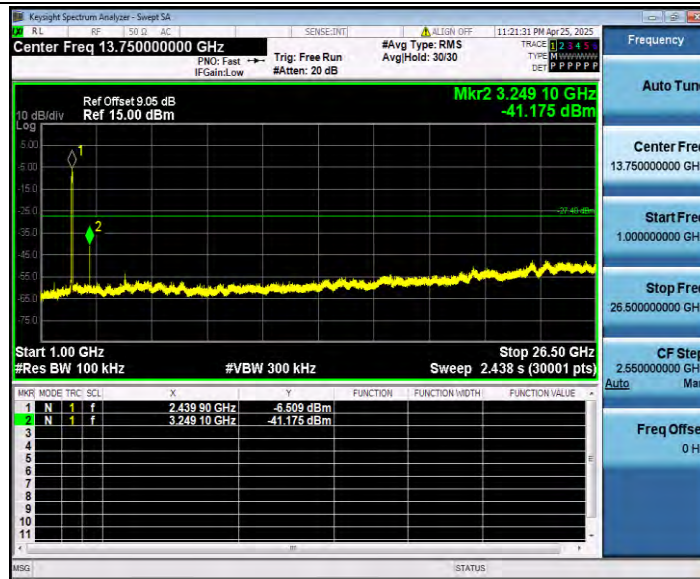
11N40SISO_Ant1_2437_0~Reference



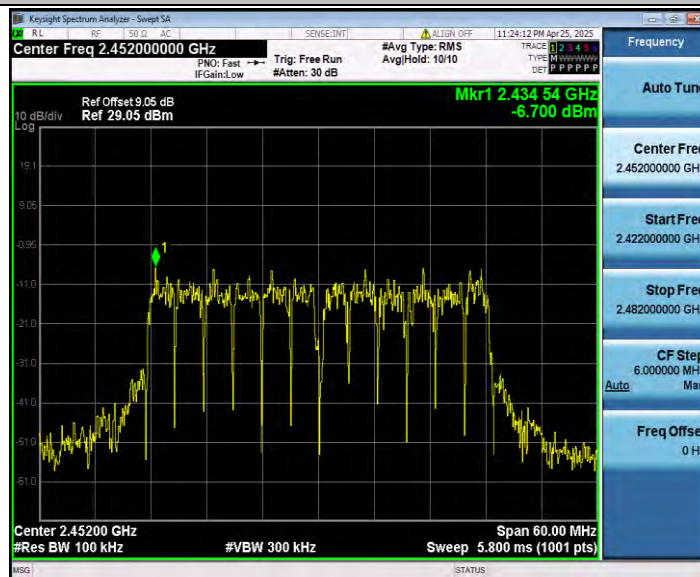
11N40SISO_Ant1_2437_30~1000



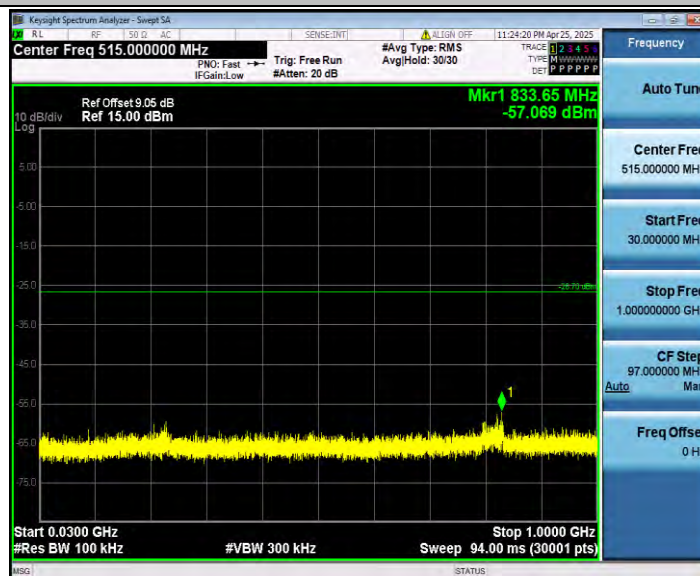
11N40SISO_Ant1_2437_1000~26500

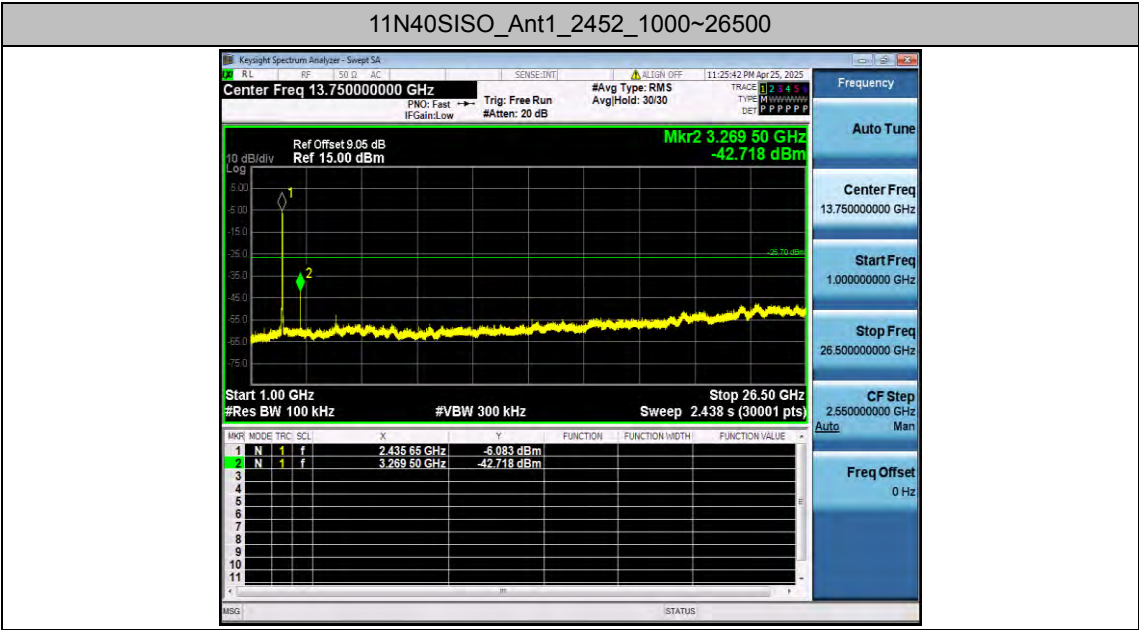


11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000





Appendix B.7: Emissions in Restricted Bands

Test Result

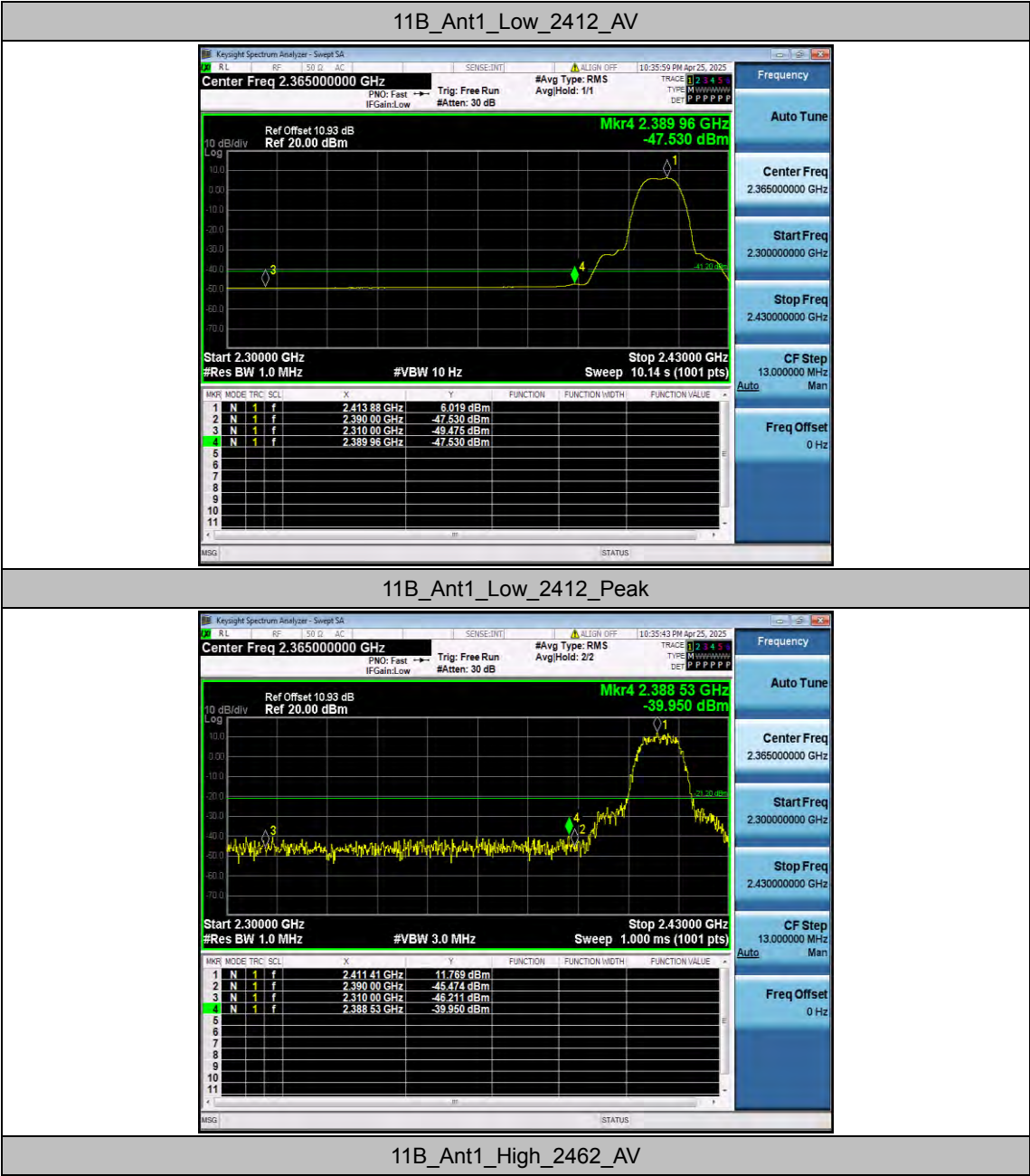
TestMode	Antenna	ChName	Frequenc y[MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-49.48	≤-41.20	45.72	≤54	PASS
				AV	2389.960	-47.53	≤-41.20	47.67	≤54	PASS
				AV	2390.000	-47.53	≤-41.20	47.67	≤54	PASS
				Peak	2310.000	-46.21	≤-21.20	48.99	≤74	PASS
				Peak	2388.530	-39.95	≤-21.20	55.25	≤74	PASS
				Peak	2390.000	-45.47	≤-21.20	49.73	≤74	PASS
		High	2462	AV	2483.500	-48.96	≤-41.20	46.24	≤54	PASS
				AV	2498.520	-48.83	≤-41.20	46.37	≤54	PASS
				AV	2500.000	-48.87	≤-41.20	46.33	≤54	PASS
				Peak	2483.500	-46.05	≤-21.20	49.15	≤74	PASS
				Peak	2495.440	-40.84	≤-21.20	54.36	≤74	PASS
				Peak	2500.000	-45.35	≤-21.20	49.85	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.62	≤-41.20	45.58	≤54	PASS
				AV	2389.960	-48.55	≤-41.20	46.65	≤54	PASS
				AV	2390.000	-48.55	≤-41.20	46.65	≤54	PASS
				Peak	2310.000	-45.12	≤-21.20	50.08	≤74	PASS
				Peak	2353.950	-39.8	≤-21.20	55.40	≤74	PASS
				Peak	2390.000	-44.57	≤-21.20	50.63	≤74	PASS
		High	2462	AV	2483.500	-48.84	≤-41.20	46.36	≤54	PASS
				AV	2499.840	-48.86	≤-41.20	46.34	≤54	PASS
				AV	2500.000	-48.88	≤-41.20	46.32	≤54	PASS
				Peak	2483.500	-44.1	≤-21.20	51.10	≤74	PASS
				Peak	2484.440	-41.19	≤-21.20	54.01	≤74	PASS
				Peak	2500.000	-47.15	≤-21.20	48.05	≤74	PASS
11N20SIS O	Ant1	Low	2412	AV	2310.000	-49.62	≤-41.20	45.58	≤54	PASS
				AV	2389.960	-47.48	≤-41.20	47.72	≤54	PASS
				AV	2390.000	-47.48	≤-41.20	47.72	≤54	PASS
				Peak	2310.000	-44.65	≤-21.20	50.55	≤74	PASS
				Peak	2328.210	-40.07	≤-21.20	55.13	≤74	PASS
				Peak	2390.000	-49.8	≤-21.20	45.40	≤74	PASS
		High	2462	AV	2483.500	-48.82	≤-41.20	46.38	≤54	PASS
				AV	2483.560	-48.83	≤-41.20	46.37	≤54	PASS
				AV	2500.000	-48.89	≤-41.20	46.31	≤54	PASS
				Peak	2483.500	-44.24	≤-21.20	50.96	≤74	PASS
				Peak	2484.330	-41.13	≤-21.20	54.07	≤74	PASS

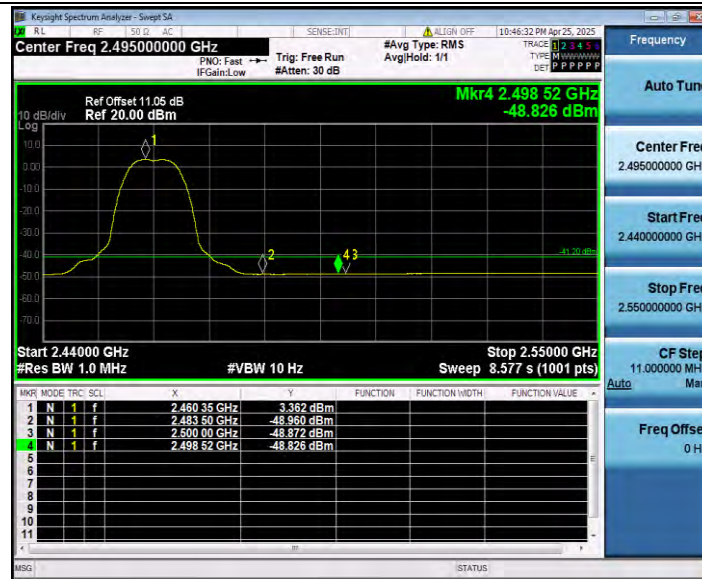
				Peak	2500.000	-50.33	≤ -21.20	44.87	≤ 74	PASS
11N40SIS O	Ant1	Low	2422	AV	2310.000	-49.58	≤ -41.20	45.62	≤ 54	PASS
				AV	2389.960	-46.52	≤ -41.20	48.68	≤ 54	PASS
				AV	2390.000	-46.52	≤ -41.20	48.68	≤ 54	PASS
				Peak	2310.000	-47.04	≤ -21.20	48.16	≤ 74	PASS
				Peak	2324.570	-40.97	≤ -21.20	54.23	≤ 74	PASS
				Peak	2390.000	-46.09	≤ -21.20	49.11	≤ 74	PASS
		High	2452	AV	2483.500	-48.4	≤ -41.20	46.80	≤ 54	PASS
				AV	2483.890	-48.39	≤ -41.20	46.81	≤ 54	PASS
				AV	2500.000	-48.84	≤ -41.20	46.36	≤ 54	PASS
				Peak	2483.500	-43.3	≤ -21.20	51.90	≤ 74	PASS
				Peak	2484.220	-39.67	≤ -21.20	55.53	≤ 74	PASS
				Peak	2500.000	-45.8	≤ -21.20	49.40	≤ 74	PASS

Note:

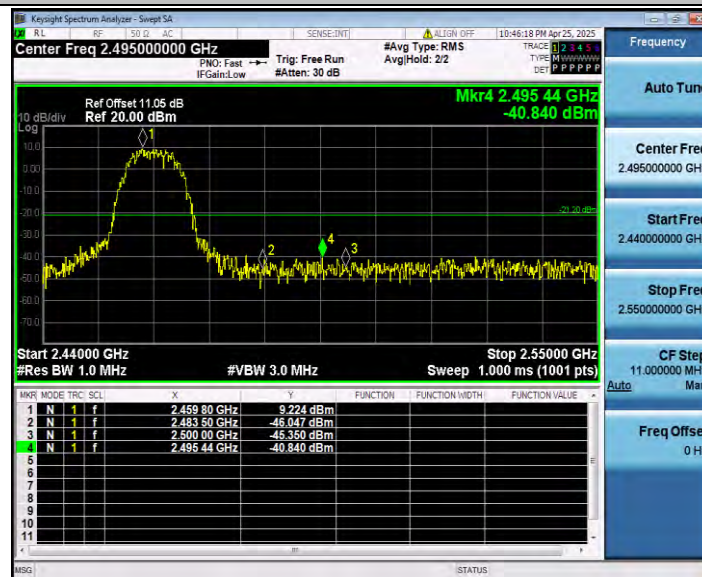
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

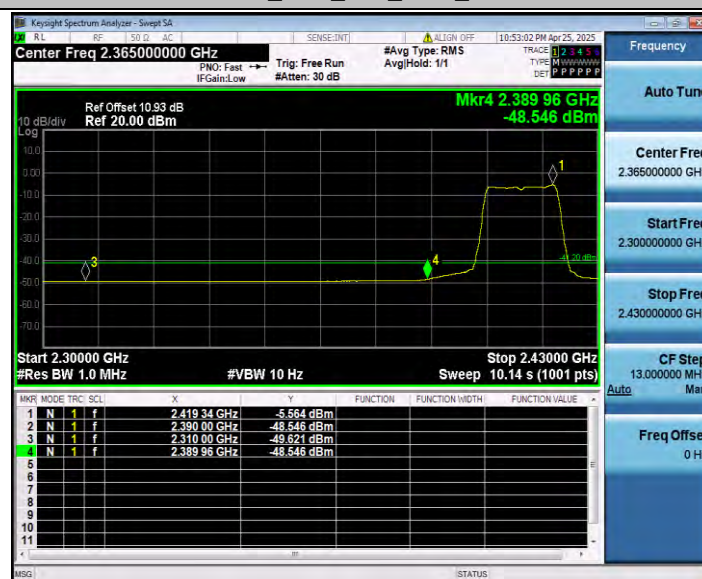




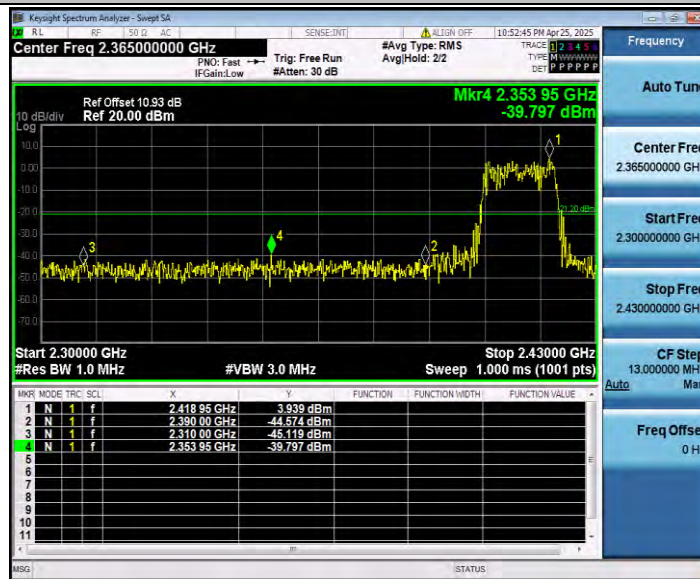
11B_Ant1_High_2462_Peak



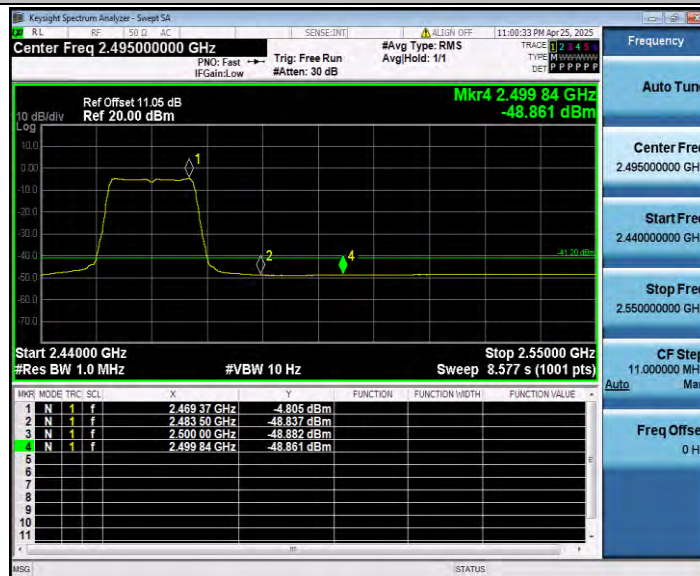
11G_Ant1_Low_2412_AV



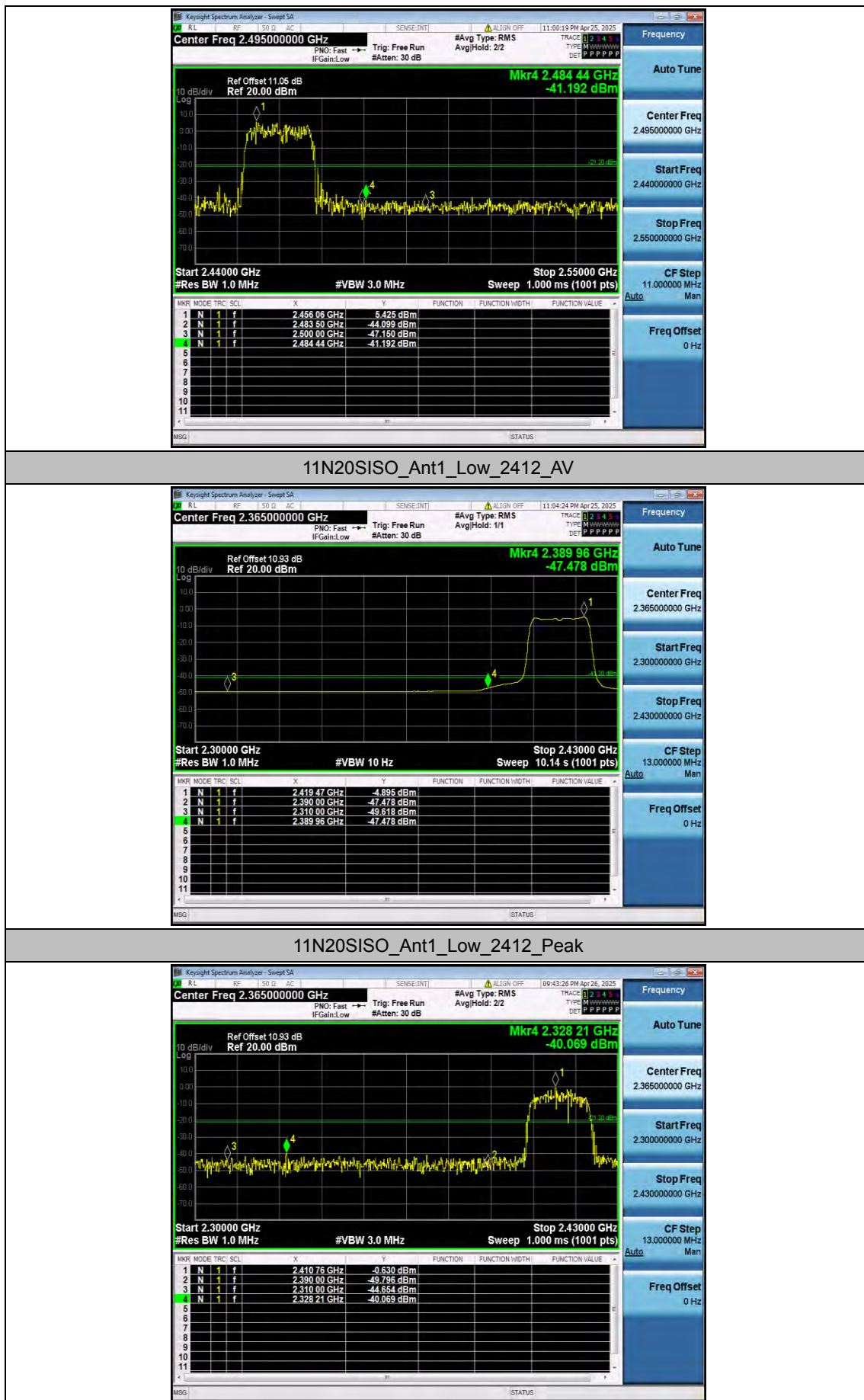
11G_Ant1_Low_2412_Peak



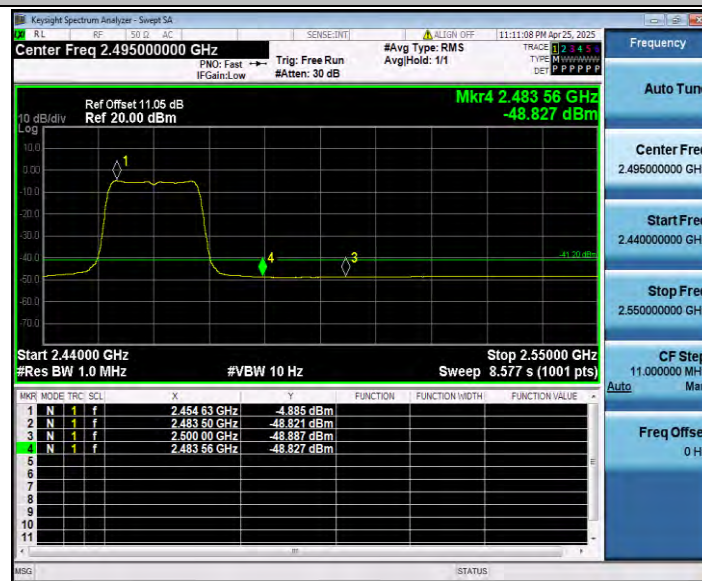
11G_Ant1_High_2462_AV



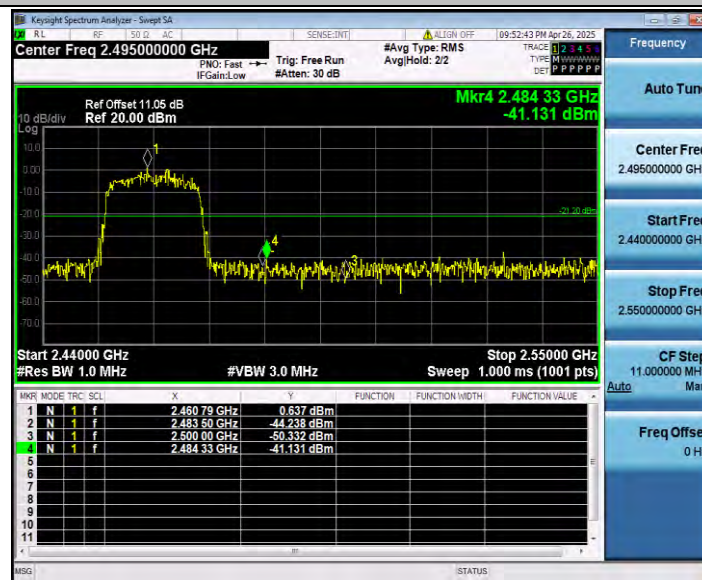
11G_Ant1_High_2462_Peak



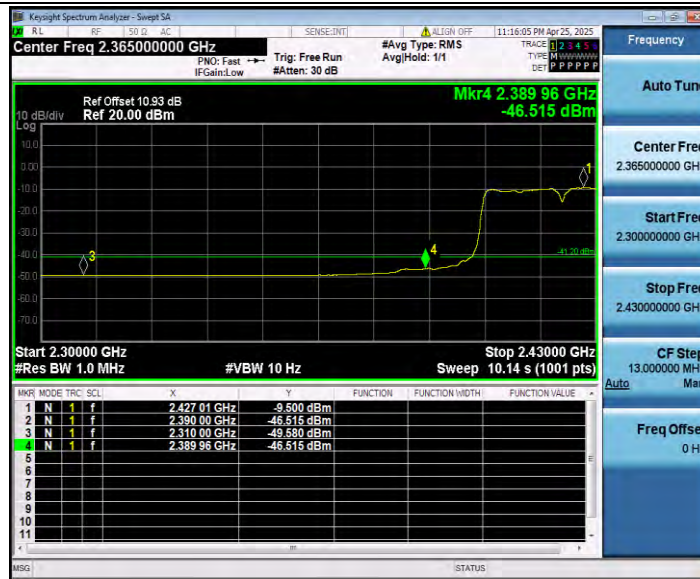
11N20SISO_Ant1_High_2462_AV



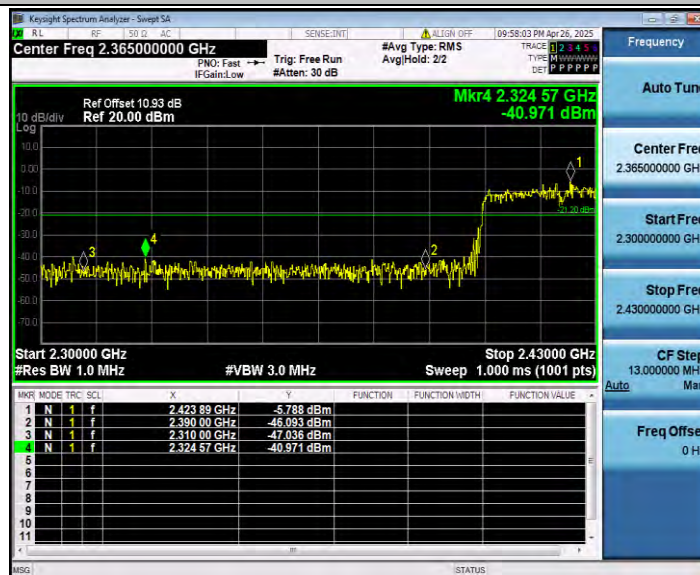
11N20SISO_Ant1_High_2462_Peak



11N40SISO_Ant1_Low_2422_AV



11N40SISO_Ant1_Low_2422_Peak



11N40SISO_Ant1_High_2452_AV

