

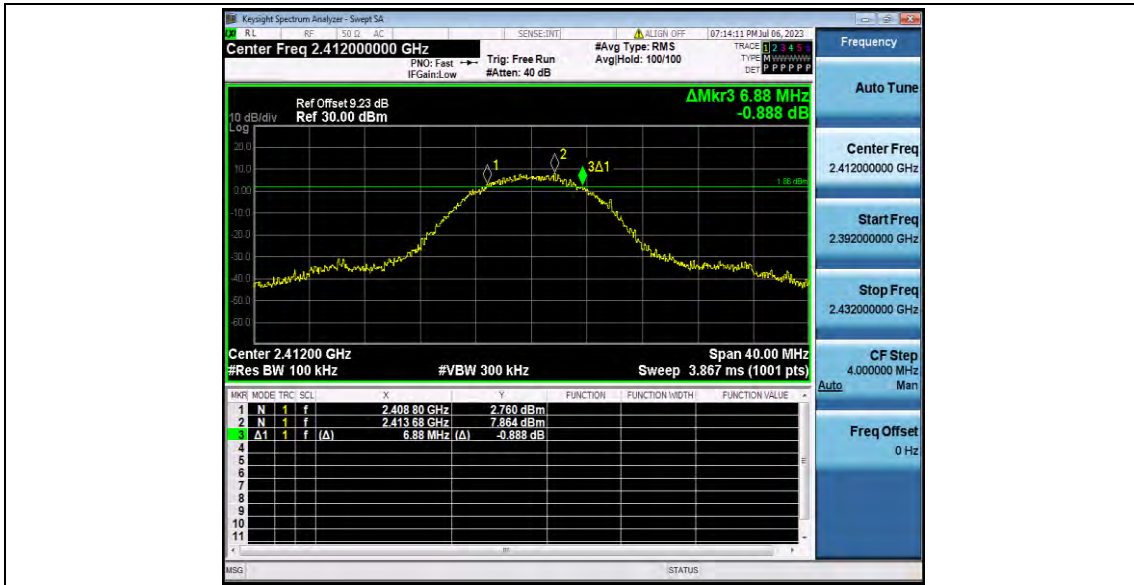
Case No. : <u>GTS20220803009-1-40</u>
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,
Test Date: <u>2023.7.6</u> Test Engineer: <u>Evan Ouyang</u>

Appendix C.1: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	6.880	2408.800	2415.680	0.5	PASS
		2437	6.960	2433.600	2440.560	0.5	PASS
		2462	7.560	2458.240	2465.800	0.5	PASS
11G	Ant1	2412	15.040	2404.440	2419.480	0.5	PASS
		2437	15.320	2429.400	2444.720	0.5	PASS
		2462	13.880	2455.680	2469.560	0.5	PASS
11N20SISO	Ant1	2412	15.120	2404.440	2419.560	0.5	PASS
		2437	14.920	2429.520	2444.440	0.5	PASS
		2462	15.160	2454.400	2469.560	0.5	PASS

Test Graphs



11B_Ant1_2412



11B_Ant1_2437



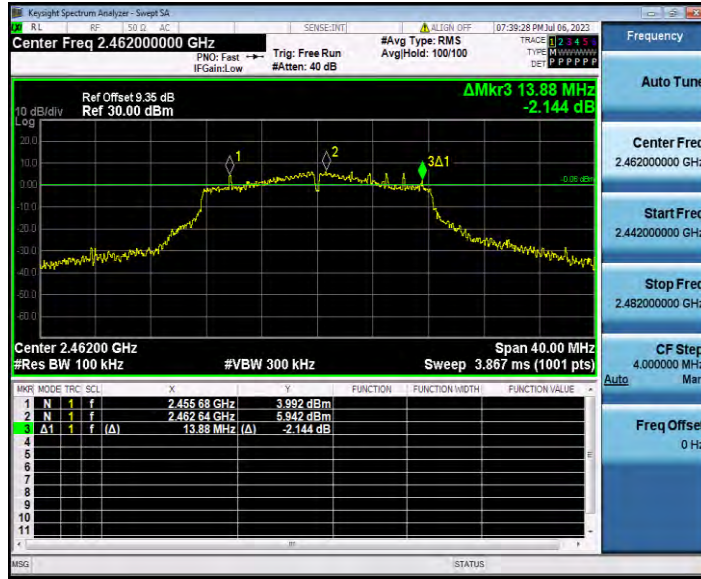
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

Appendix C.2: Occupied Channel Bandwidth

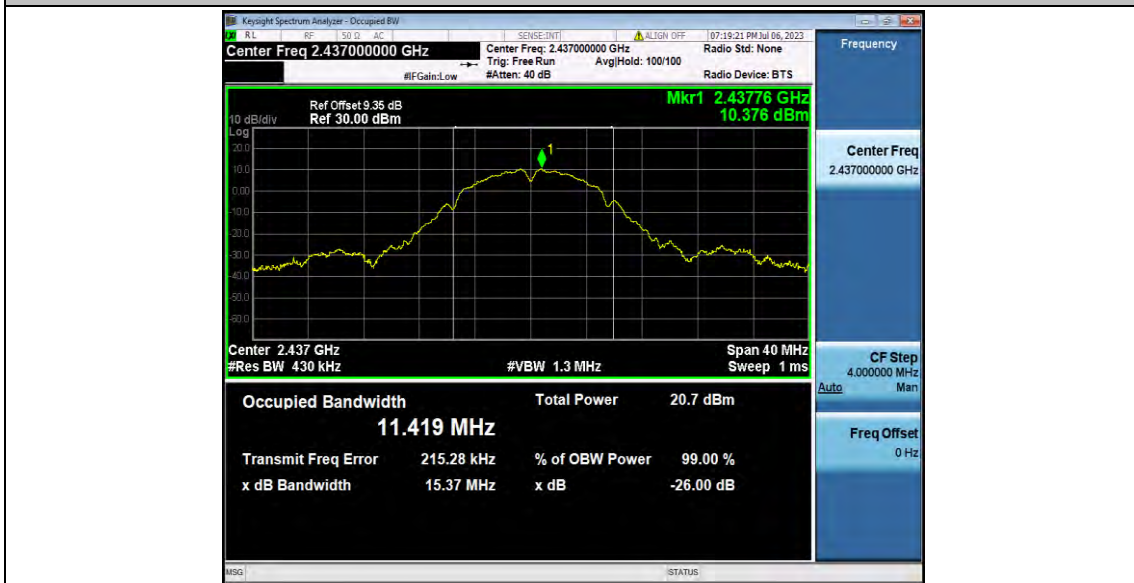
Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.068	2406.518	2417.586	---	---
		2437	11.419	2431.506	2442.925	---	---
		2462	11.672	2456.263	2467.935	---	---
11G	Ant1	2412	17.139	2403.466	2420.605	---	---
		2437	16.985	2428.596	2445.581	---	---
		2462	16.714	2453.683	2470.397	---	---
11N20SISO	Ant1	2412	18.238	2402.992	2421.230	---	---
		2437	18.055	2428.069	2446.124	---	---
		2462	17.886	2453.136	2471.022	---	---

Test Graphs



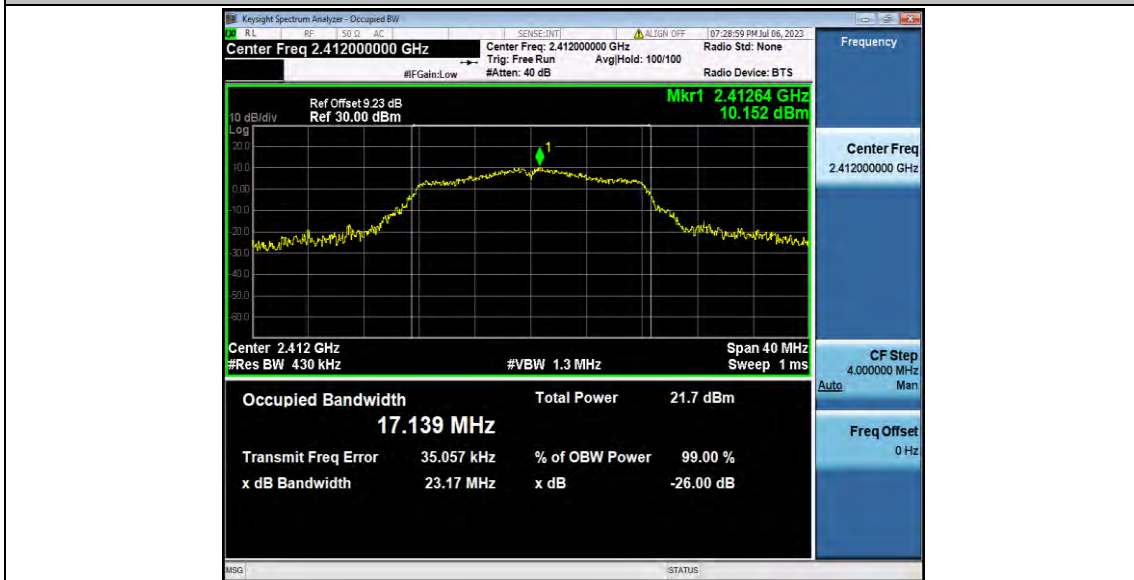
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



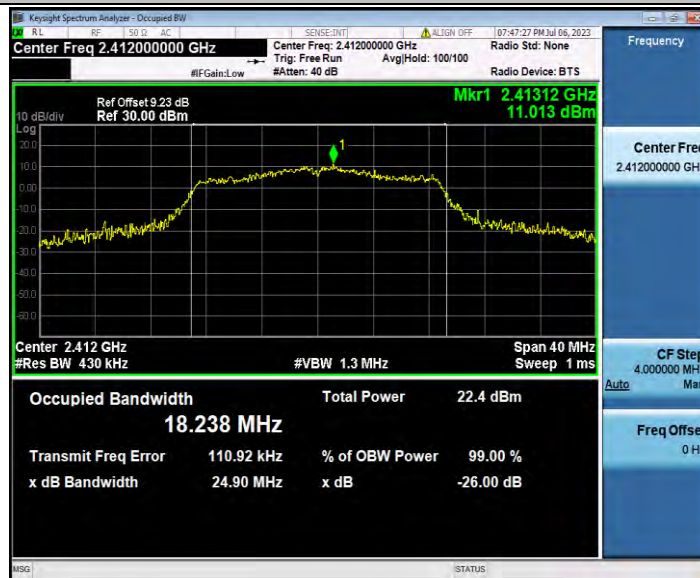
11G_Ant1_2412



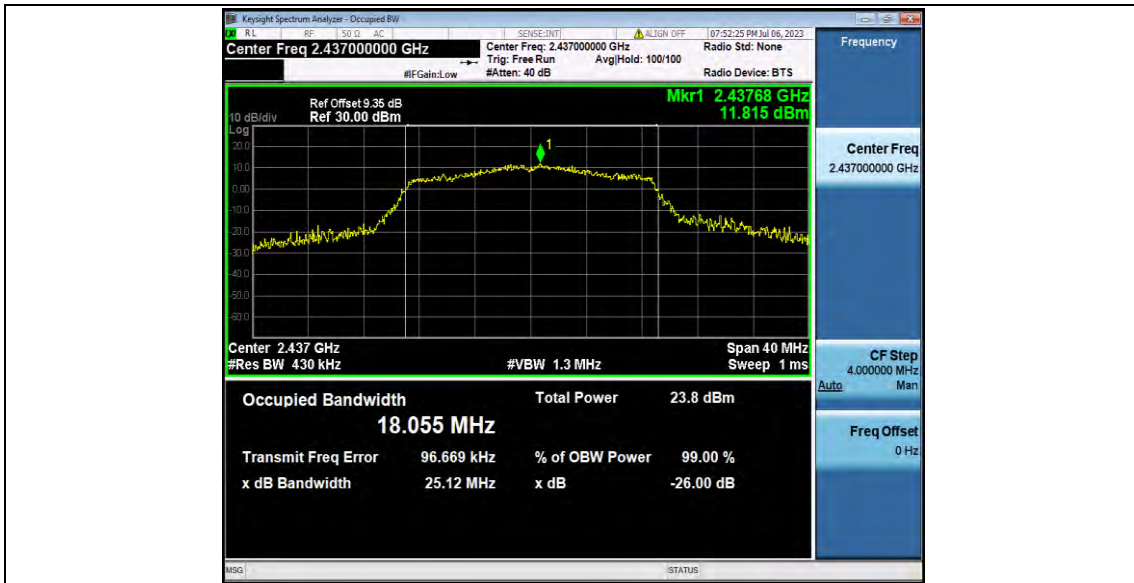
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

Appendix C.3: Maximum conducted output power

Test Result Peak

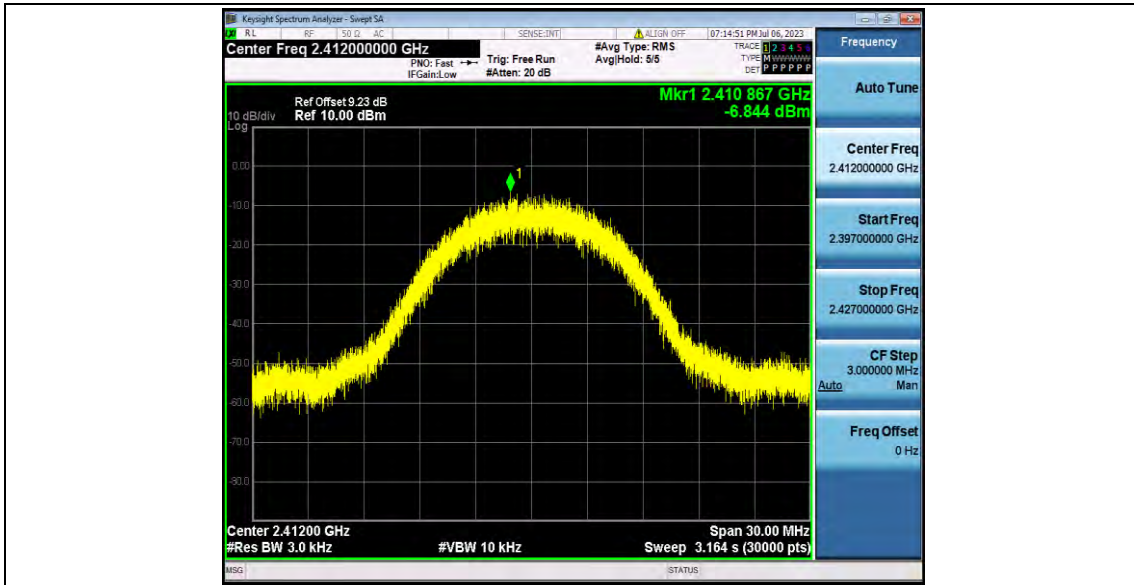
Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	21.79	≤30.00	PASS
		2437	20.37	≤30.00	PASS
		2462	20.92	≤30.00	PASS
11G	Ant1	2412	22.93	≤30.00	PASS
		2437	24.22	≤30.00	PASS
		2462	24.70	≤30.00	PASS
11N20SISO	Ant1	2412	23.51	≤30.00	PASS
		2437	24.83	≤30.00	PASS
		2462	25.38	≤30.00	PASS

Appendix C.4: Maximum power spectral density

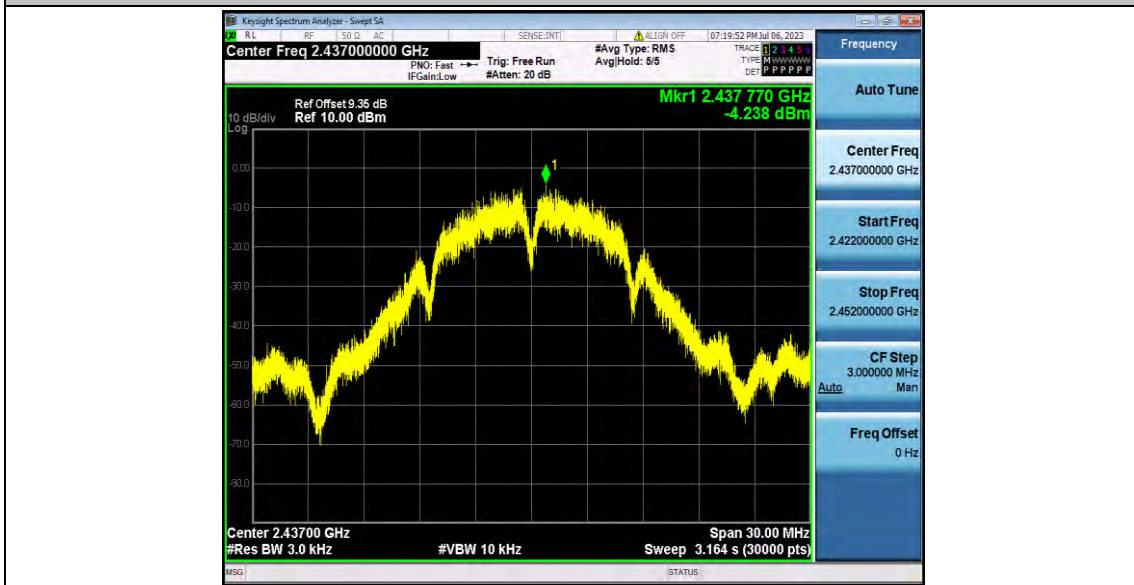
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.84	≤8.00	PASS
		2437	-4.24	≤8.00	PASS
		2462	-4.07	≤8.00	PASS
11G	Ant1	2412	-8.44	≤8.00	PASS
		2437	-6.05	≤8.00	PASS
		2462	-5.12	≤8.00	PASS
11N20SISO	Ant1	2412	-6.98	≤8.00	PASS
		2437	-4.62	≤8.00	PASS
		2462	-5.46	≤8.00	PASS

Test Graphs



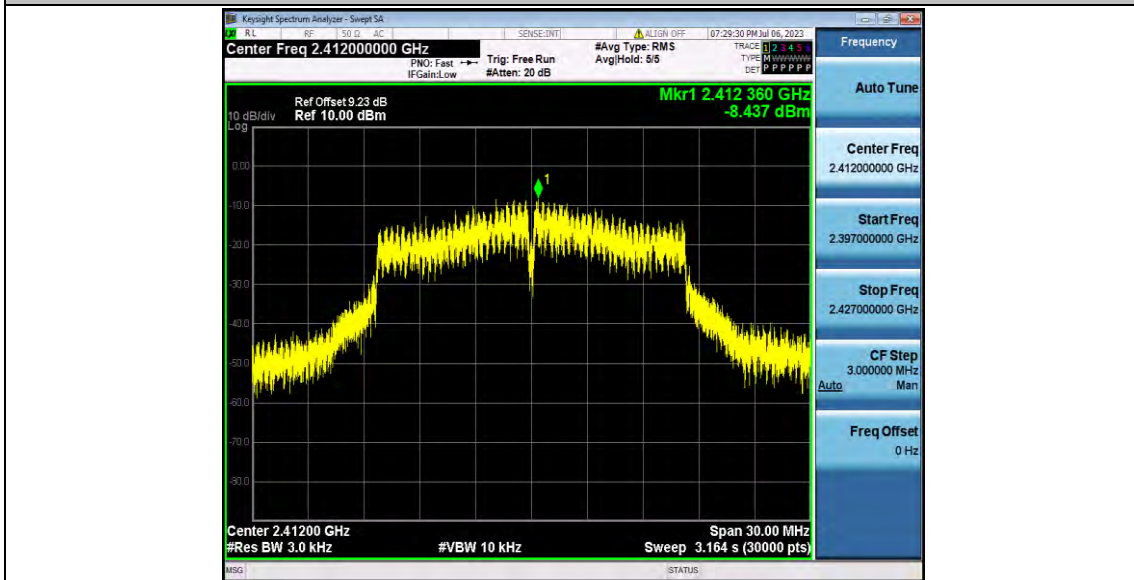
11B_Ant1_2412



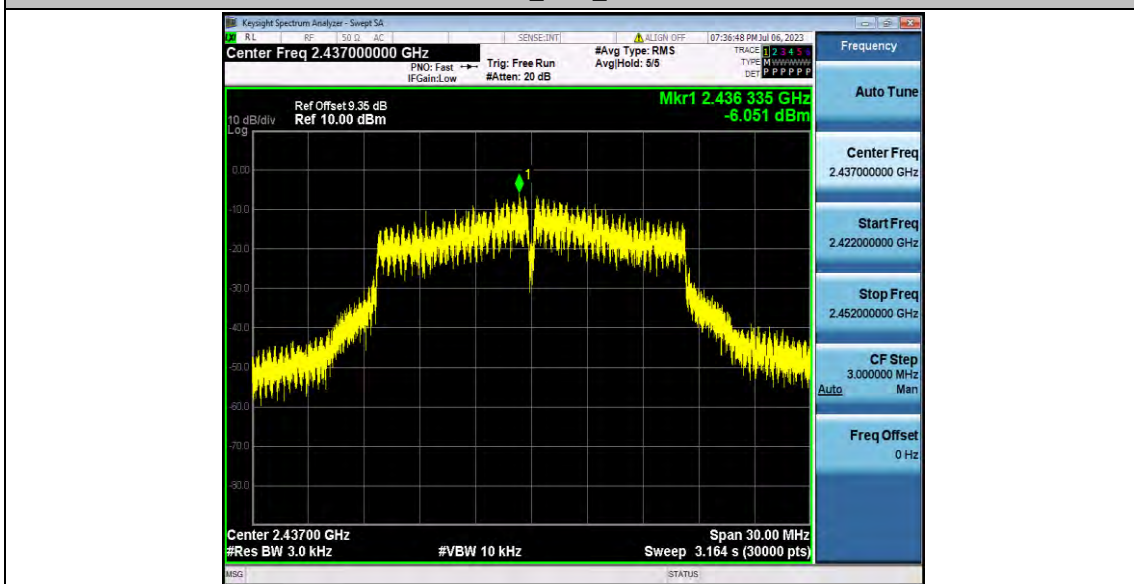
11B_Ant1_2437



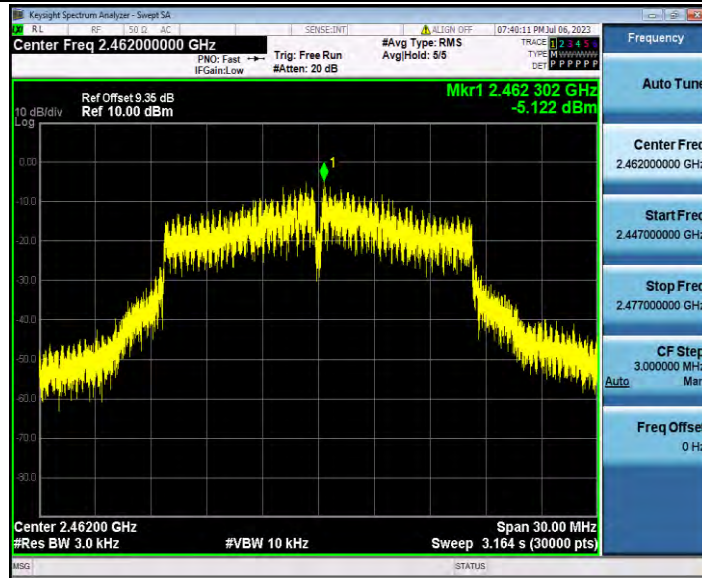
11B_Ant1_2462



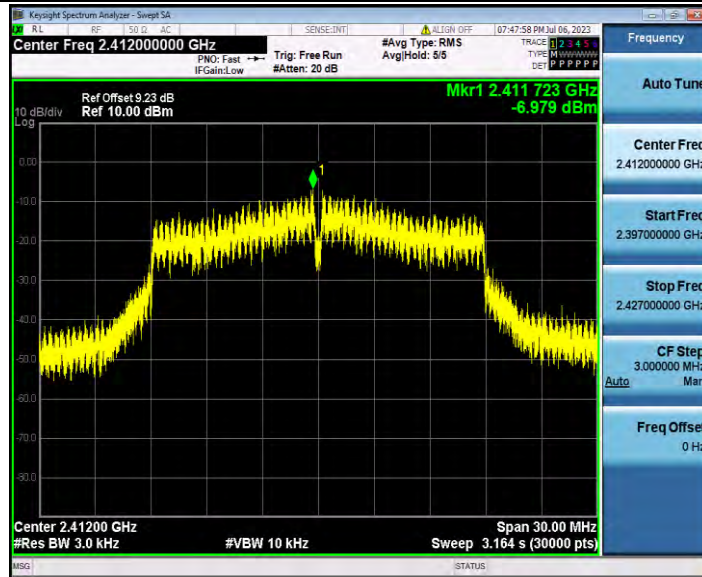
11G_Ant1_2412



11G_Ant1_2437



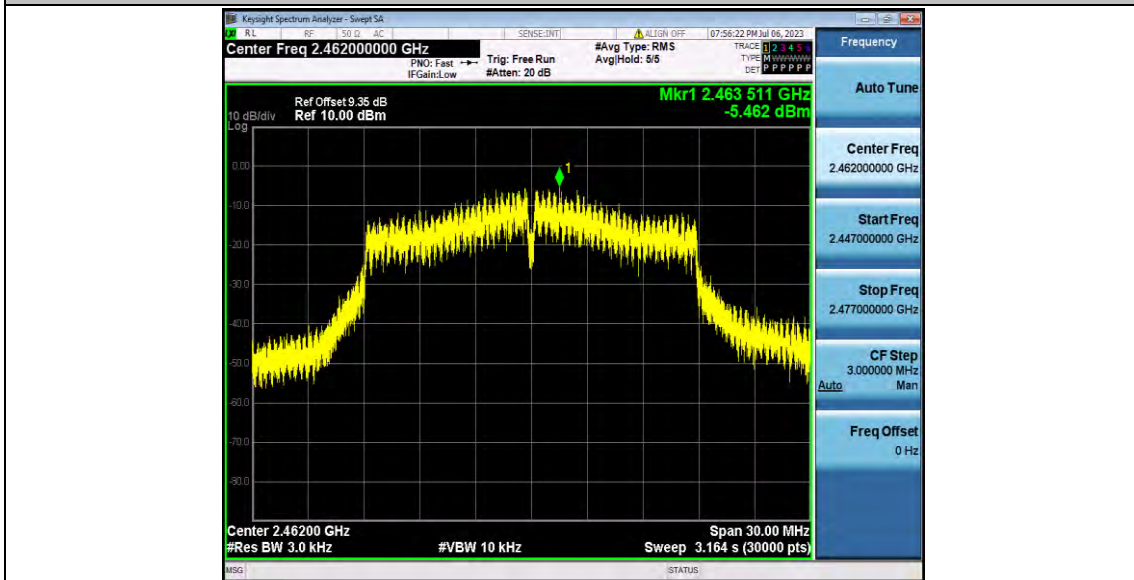
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



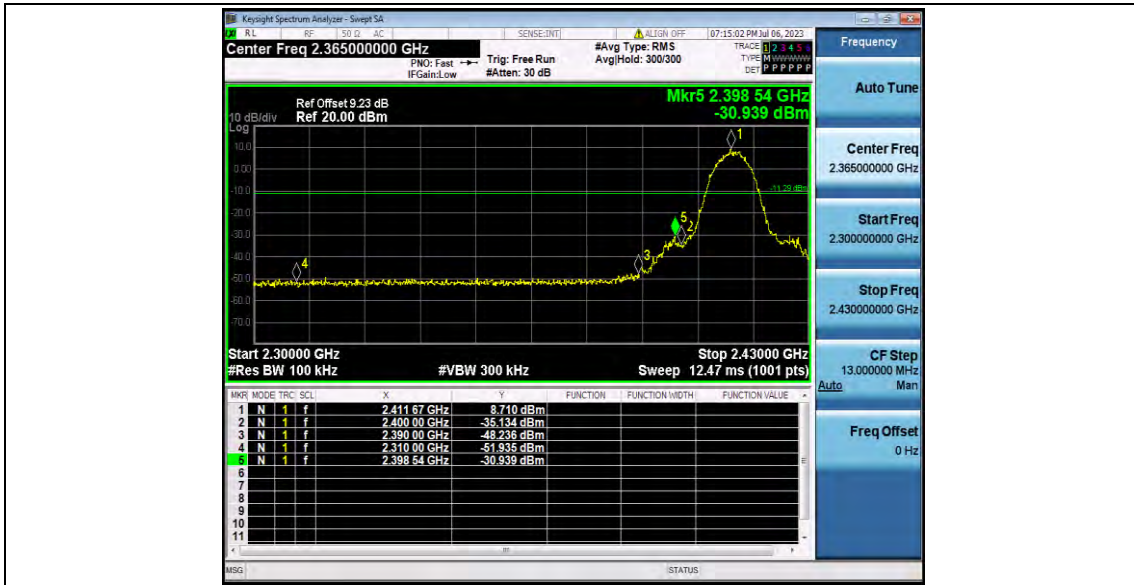
11N20SISO_Ant1_2462

Appendix C.5: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	8.71	-30.94	≤ -11.29	PASS
		High	2462	9.90	-43.13	≤ -10.1	PASS
11G	Ant1	Low	2412	4.10	-27.03	≤ -15.9	PASS
		High	2462	6.41	-37.92	≤ -13.59	PASS
11N20SISO	Ant1	Low	2412	5.17	-23.68	≤ -14.83	PASS
		High	2462	7.75	-32.54	≤ -12.25	PASS

Test Graphs



11B_Ant1_Low_2412



11B_Ant1_High_2462



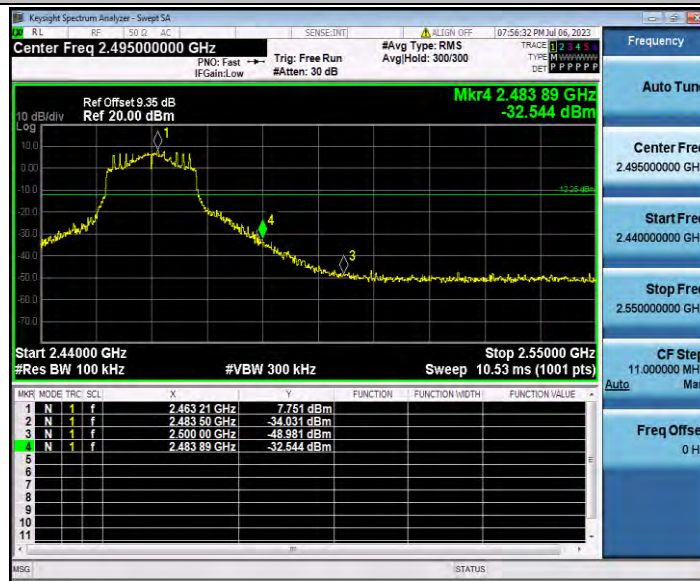
11G_Ant1_Low_2412



11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462

Appendix C.6: Conducted Spurious Emission

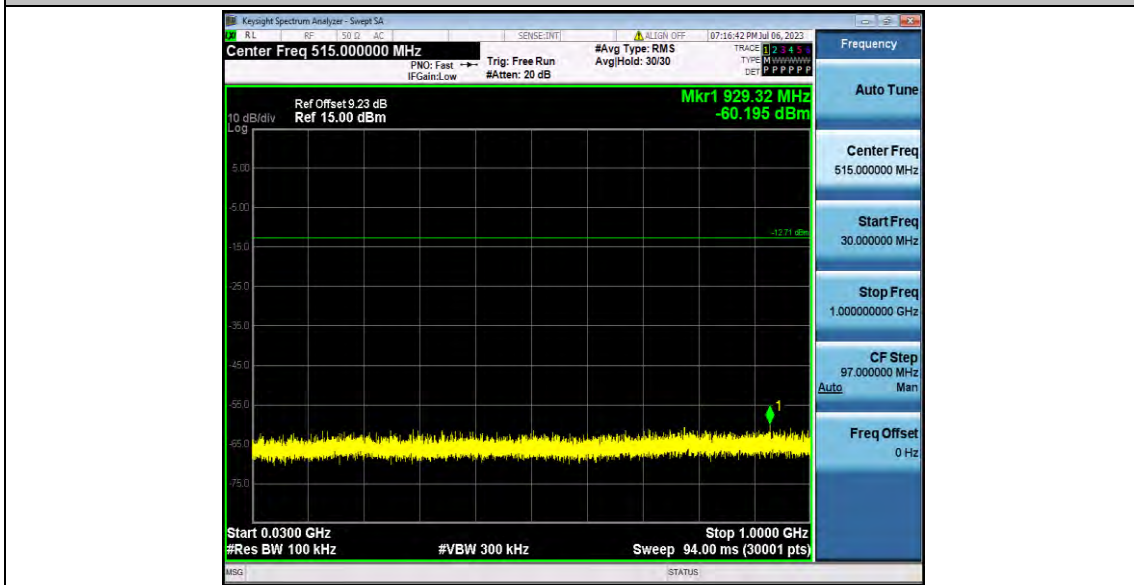
Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.29	7.29	---	PASS
			30~1000	7.29	-60.2	≤ -12.71	PASS
			1000~26500	7.29	-48.04	≤ -12.71	PASS
		2437	Reference	7.64	7.64	---	PASS
			30~1000	7.64	-59.58	≤ -12.36	PASS
			1000~26500	7.64	-47.78	≤ -12.36	PASS
		2462	Reference	9.13	9.13	---	PASS
			30~1000	9.13	-60.33	≤ -10.87	PASS
			1000~26500	9.13	-47.28	≤ -10.87	PASS
11G	Ant1	2412	Reference	3.64	3.64	---	PASS
			30~1000	3.64	-60.16	≤ -16.36	PASS
			1000~26500	3.64	-46.97	≤ -16.36	PASS
		2437	Reference	5.48	5.48	---	PASS
			30~1000	5.48	-60.42	≤ -14.52	PASS
			1000~26500	5.48	-47.85	≤ -14.52	PASS
		2462	Reference	5.84	5.84	---	PASS
			30~1000	5.84	-47.62	≤ -14.16	PASS
			1000~26500	5.84	-46.85	≤ -14.16	PASS
11N20SISO	Ant1	2412	Reference	5.11	5.11	---	PASS
			30~1000	5.11	-60.13	≤ -14.89	PASS
			1000~26500	5.11	-47.67	≤ -14.89	PASS
		2437	Reference	5.05	5.05	---	PASS
			30~1000	5.05	-59.57	≤ -14.95	PASS
			1000~26500	5.05	-46.98	≤ -14.95	PASS
		2462	Reference	6.69	6.69	---	PASS
			30~1000	6.69	-59.29	≤ -13.31	PASS
			1000~26500	6.69	-46.49	≤ -13.31	PASS

Test Graphs



11B_Ant1_2412_0~Reference



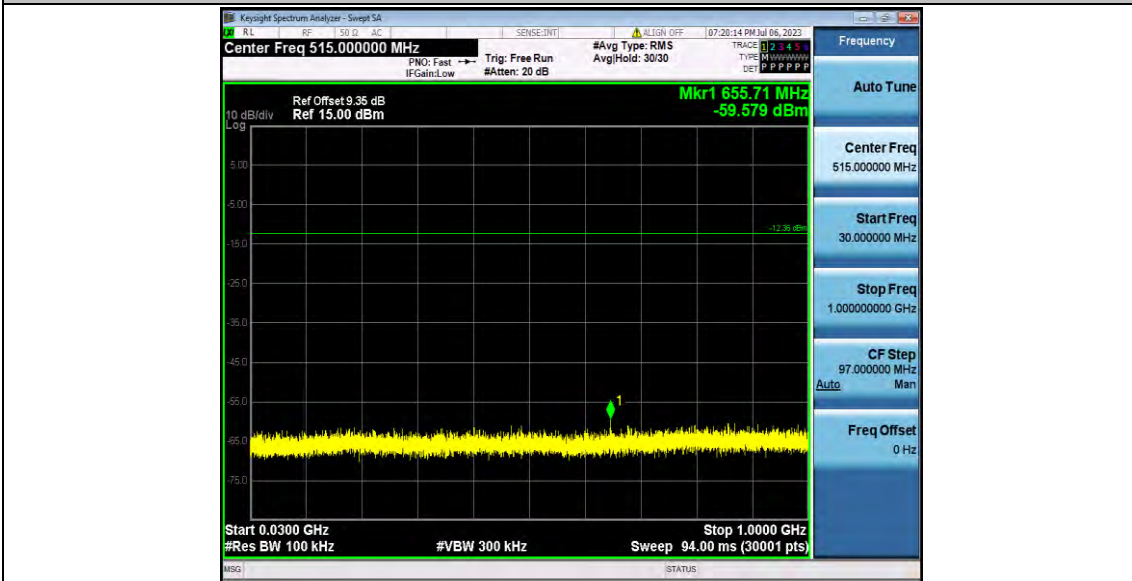
11B_Ant1_2412_30~1000



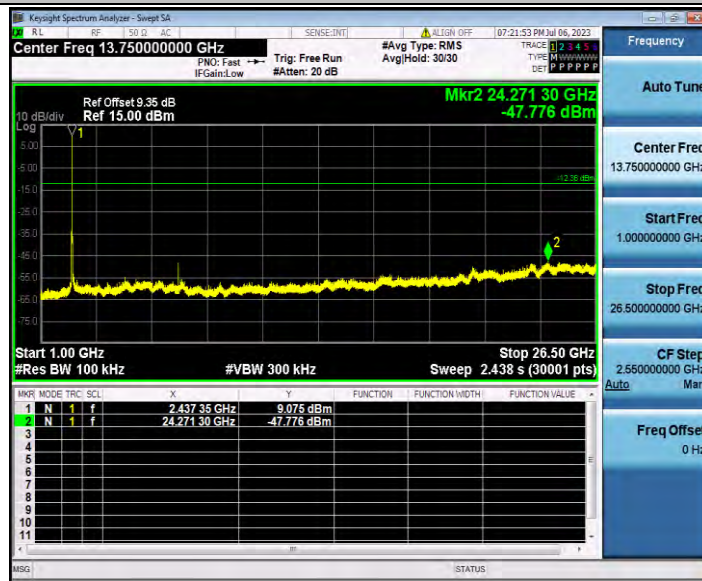
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



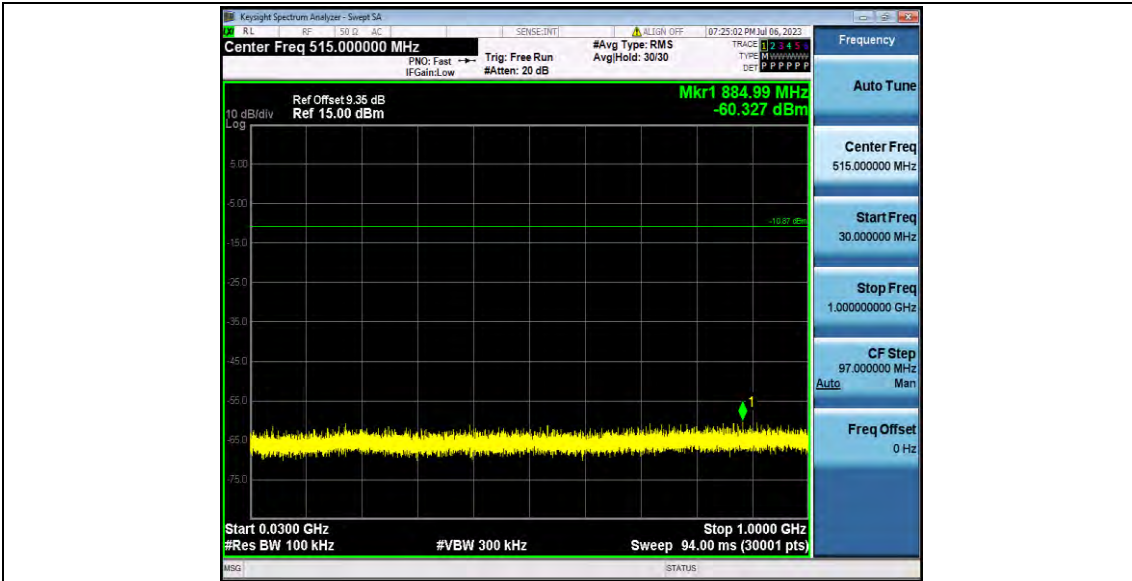
11B_Ant1_2437_30~1000



11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



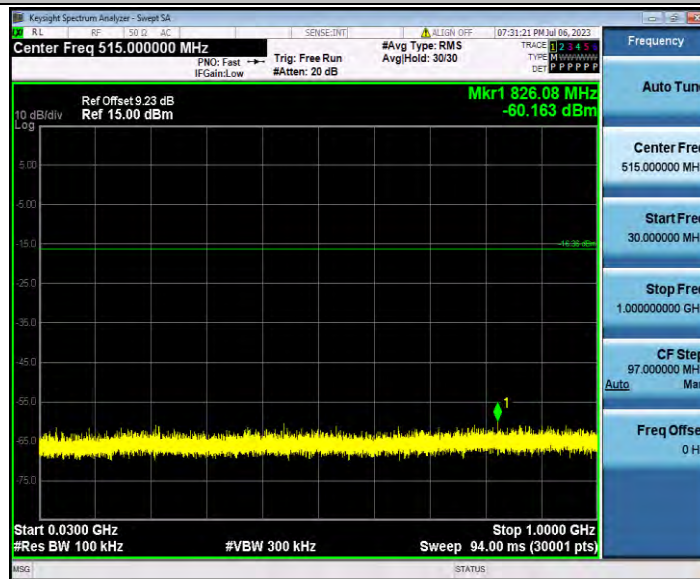
11B_Ant1_2462_30~1000



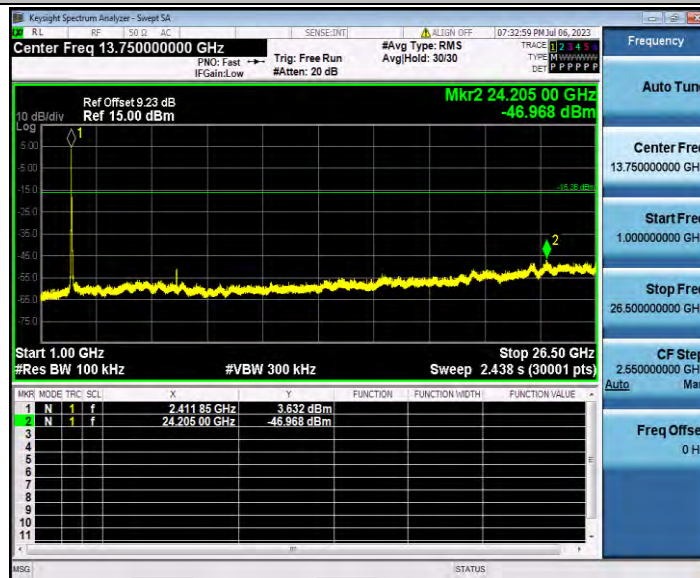
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



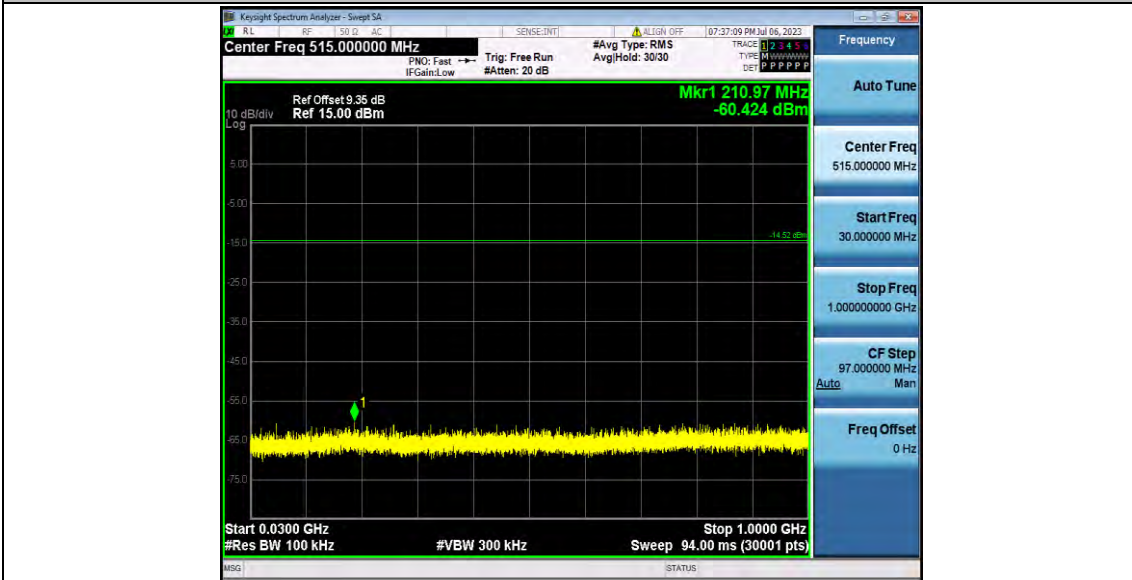
11G_Ant1_2412_30~1000



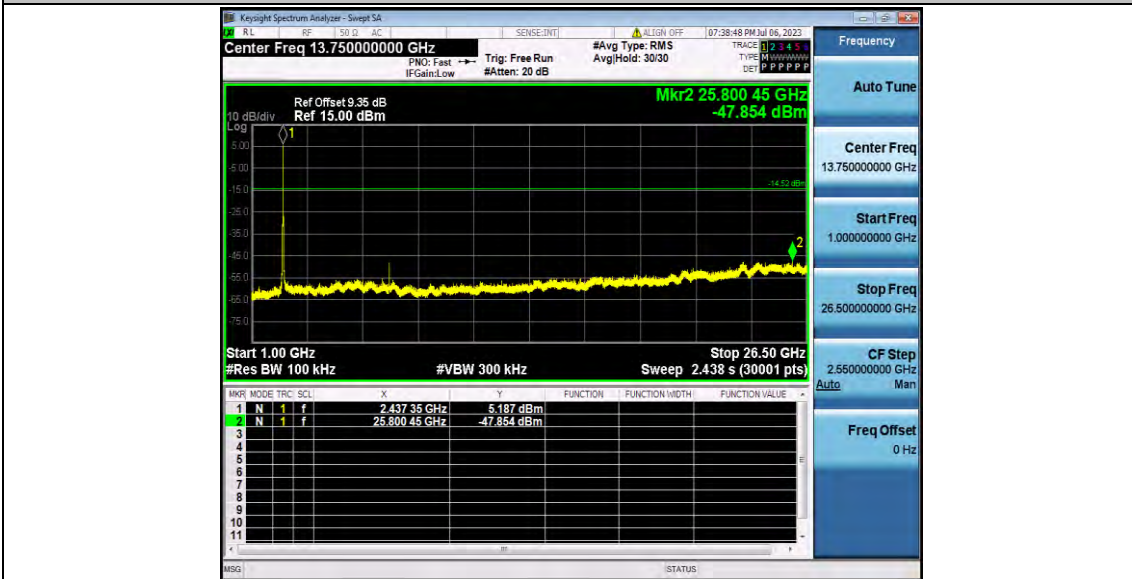
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



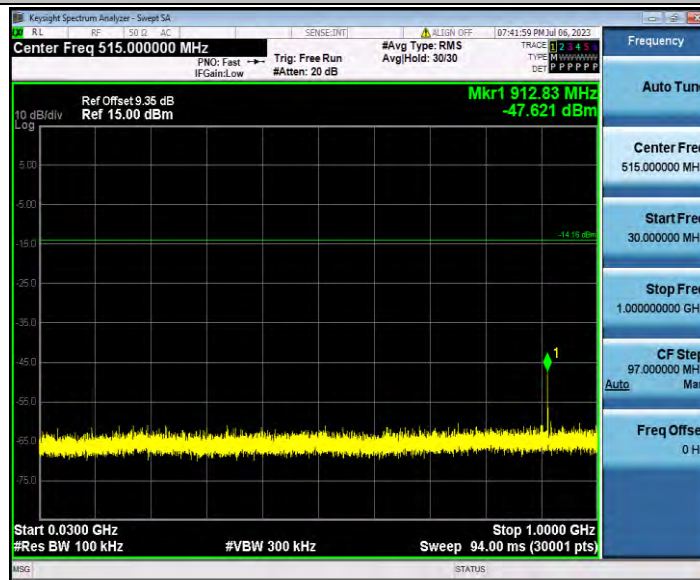
11G_Ant1_2437_30~1000



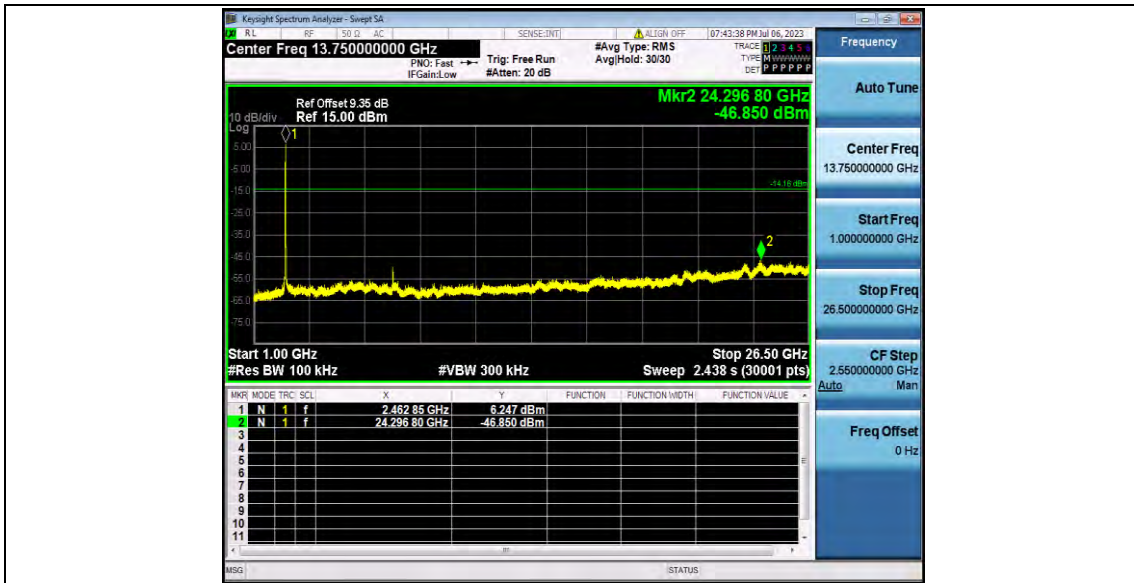
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



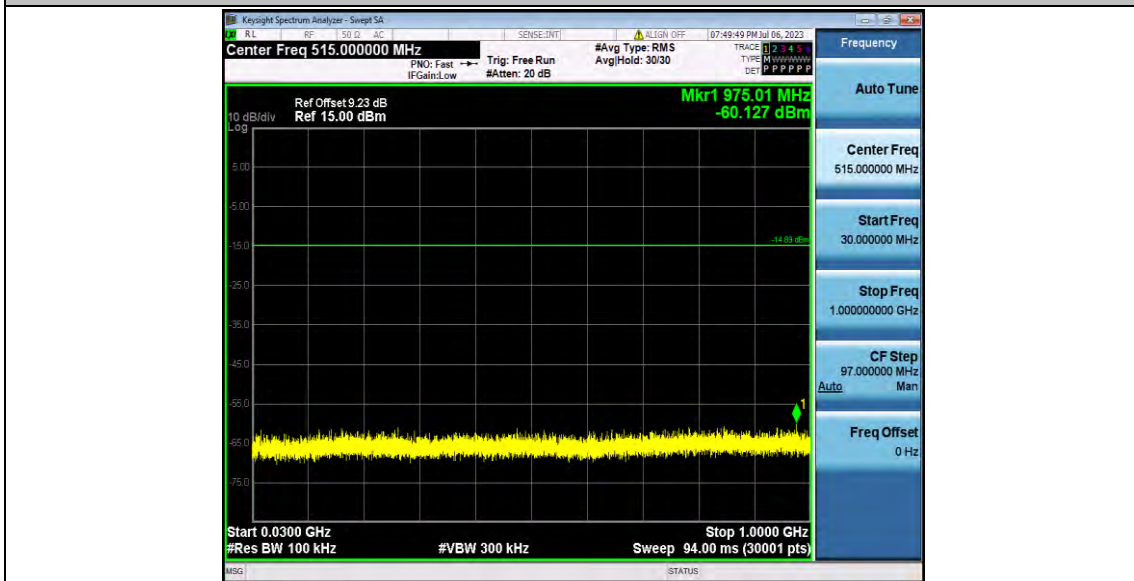
11G_Ant1_2462_30~1000



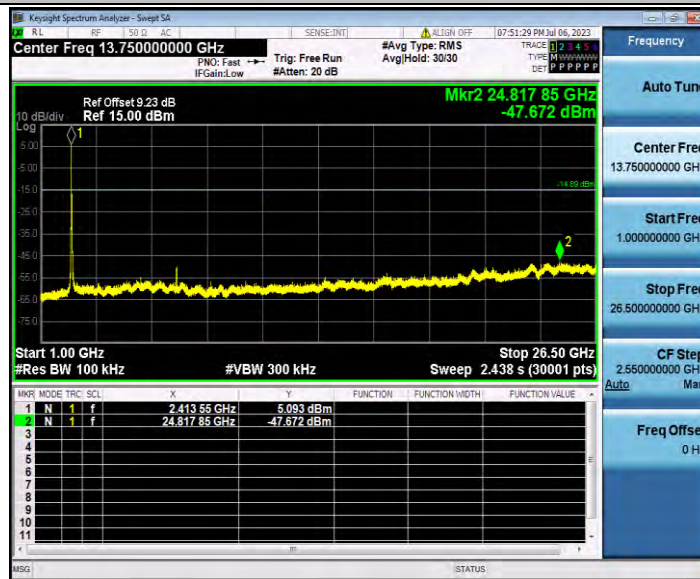
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



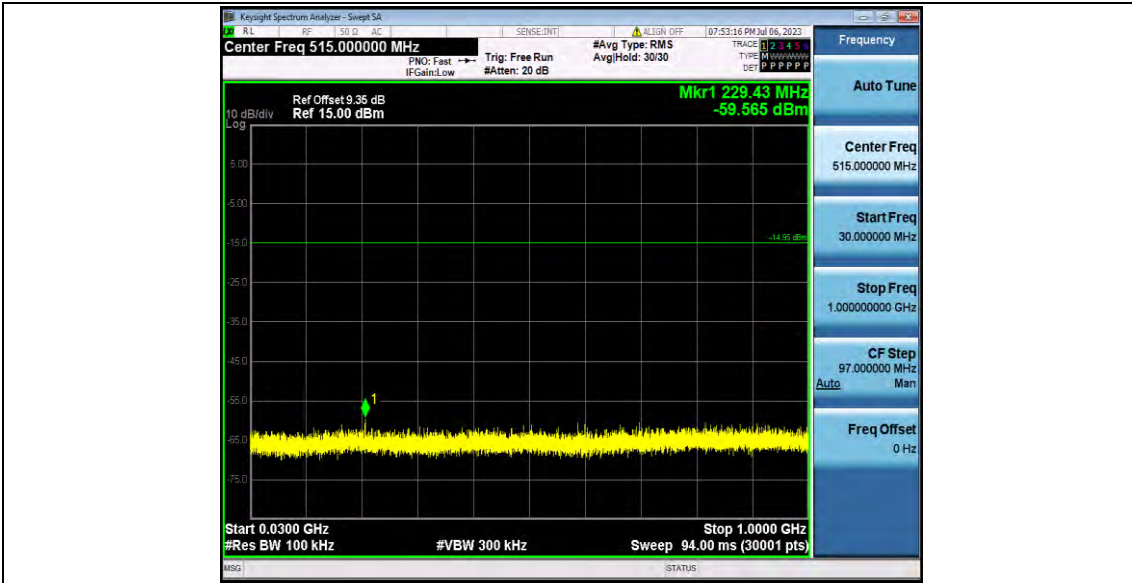
11N20SISO_Ant1_2412_30~1000



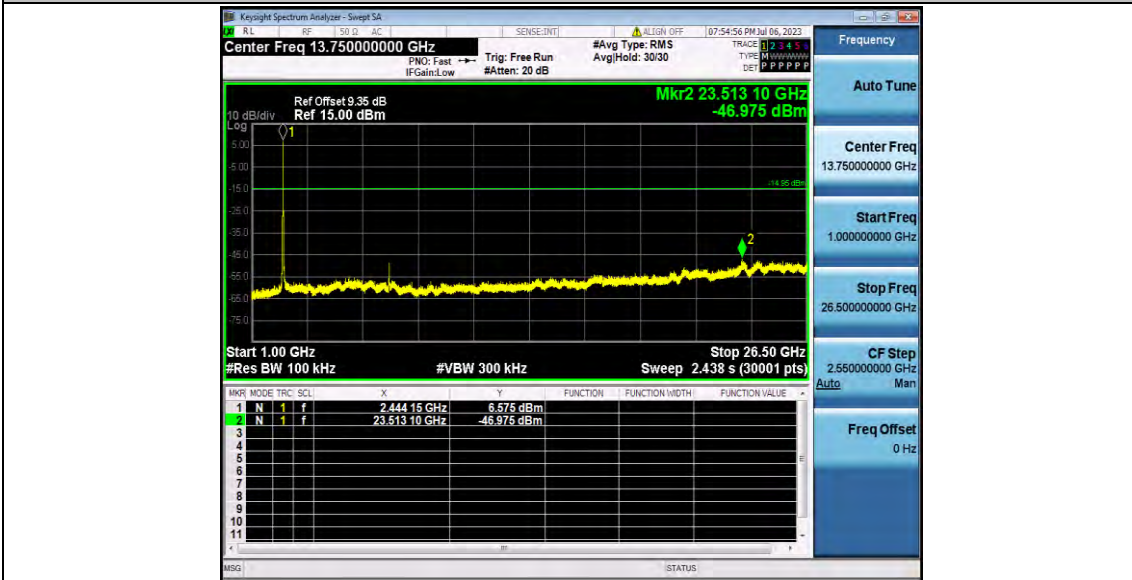
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



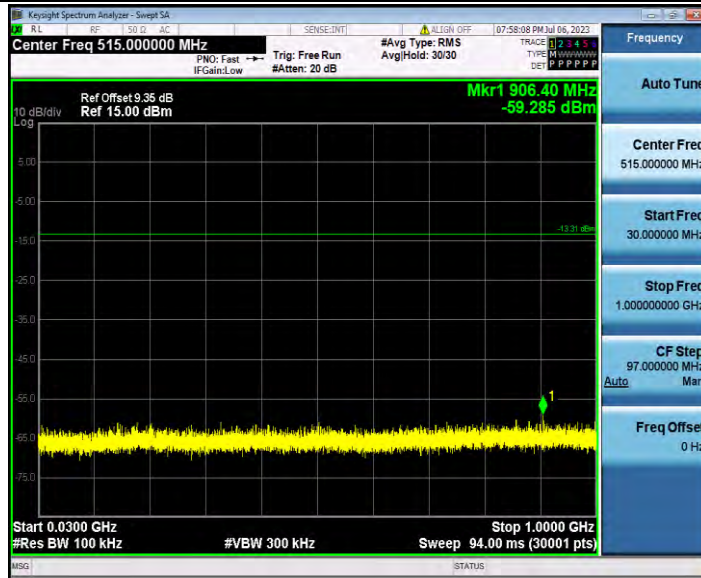
11N20SISO_Ant1_2437_30~1000



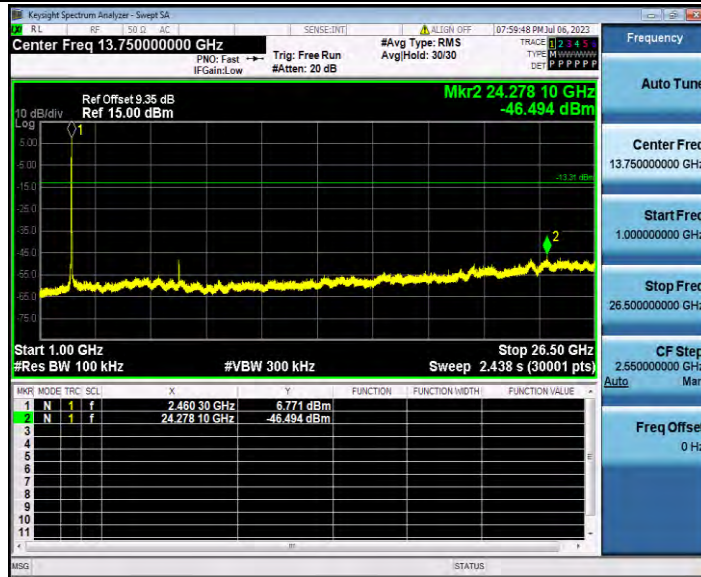
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500

Appendix C.7: Emissions in Restricted Bands

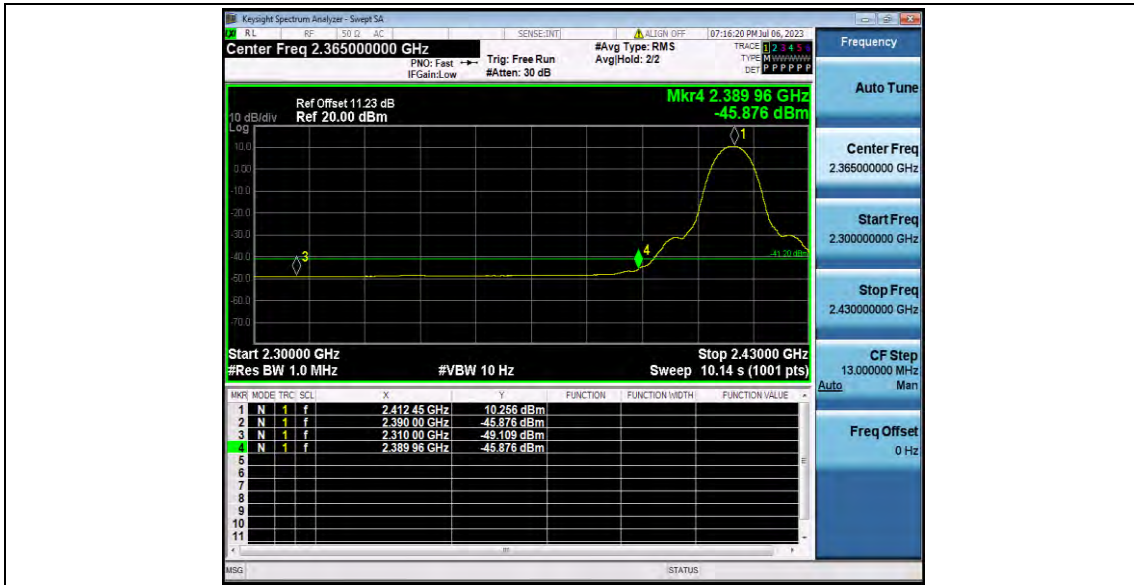
Test Result

Test Mode	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	-49.11	≤-41.20	46.09	≤54	PASS
				AV	2389.960	-45.88	≤-41.20	49.32	≤54	PASS
				AV	2390.000	-45.88	≤-41.20	49.32	≤54	PASS
				Peak	2310.000	-48.62	≤-21.20	46.58	≤74	PASS
				Peak	2383.980	-39.03	≤-21.20	56.17	≤74	PASS
				Peak	2390.000	-43.56	≤-21.20	51.64	≤74	PASS
		High	2462	AV	2483.500	-47.66	≤-41.20	47.54	≤54	PASS
				AV	2483.560	-47.67	≤-41.20	47.53	≤54	PASS
				AV	2500.000	-48.01	≤-41.20	47.19	≤54	PASS
				Peak	2483.500	-43.98	≤-21.20	51.22	≤74	PASS
				Peak	2484.550	-39.96	≤-21.20	55.24	≤74	PASS
				Peak	2500.000	-43.4	≤-21.20	51.80	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.33	≤-41.20	45.87	≤54	PASS
				AV	2389.960	-47.42	≤-41.20	47.78	≤54	PASS
				AV	2390.000	-47.42	≤-41.20	47.78	≤54	PASS
				Peak	2310.000	-44.8	≤-21.20	50.40	≤74	PASS
				Peak	2371.240	-40.43	≤-21.20	54.77	≤74	PASS
				Peak	2390.000	-43.79	≤-21.20	51.41	≤74	PASS
		High	2462	AV	2483.500	-46.41	≤-41.20	48.79	≤54	PASS
				AV	2483.560	-46.41	≤-41.20	48.79	≤54	PASS
				AV	2500.000	-48.26	≤-41.20	46.94	≤54	PASS
				Peak	2483.500	-44.27	≤-21.20	50.93	≤74	PASS
				Peak	2498.740	-38.46	≤-21.20	56.74	≤74	PASS
				Peak	2500.000	-45.31	≤-21.20	49.89	≤74	PASS
11N20SIS O	Ant1	Low	2412	AV	2310.000	-49.33	≤-41.20	45.87	≤54	PASS
				AV	2389.960	-47.49	≤-41.20	47.71	≤54	PASS
				AV	2390.000	-47.49	≤-41.20	47.71	≤54	PASS
				Peak	2310.000	-48.2	≤-21.20	47.00	≤74	PASS
				Peak	2385.930	-39.8	≤-21.20	55.40	≤74	PASS
				Peak	2390.000	-42.07	≤-21.20	53.13	≤74	PASS
		High	2462	AV	2483.500	-47.11	≤-41.20	48.09	≤54	PASS
				AV	2483.560	-47.09	≤-41.20	48.11	≤54	PASS
				AV	2500.000	-48.3	≤-41.20	46.90	≤54	PASS
				Peak	2483.500	-44.92	≤-21.20	50.28	≤74	PASS
				Peak	2489.940	-41.21	≤-21.20	53.99	≤74	PASS
				Peak	2500.000	-42.17	≤-21.20	53.03	≤74	PASS

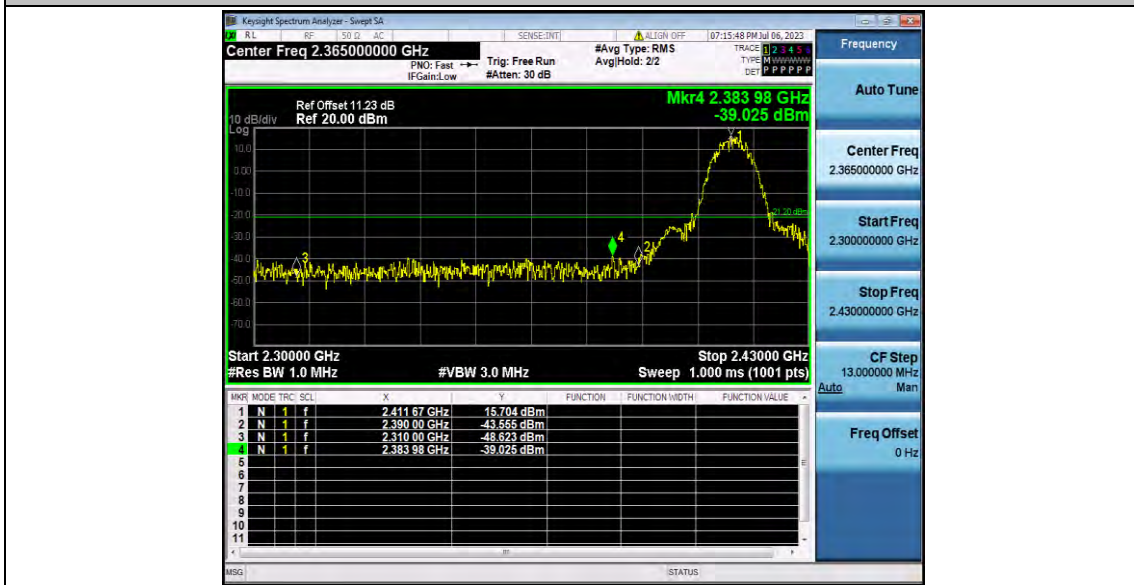
Note:

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.

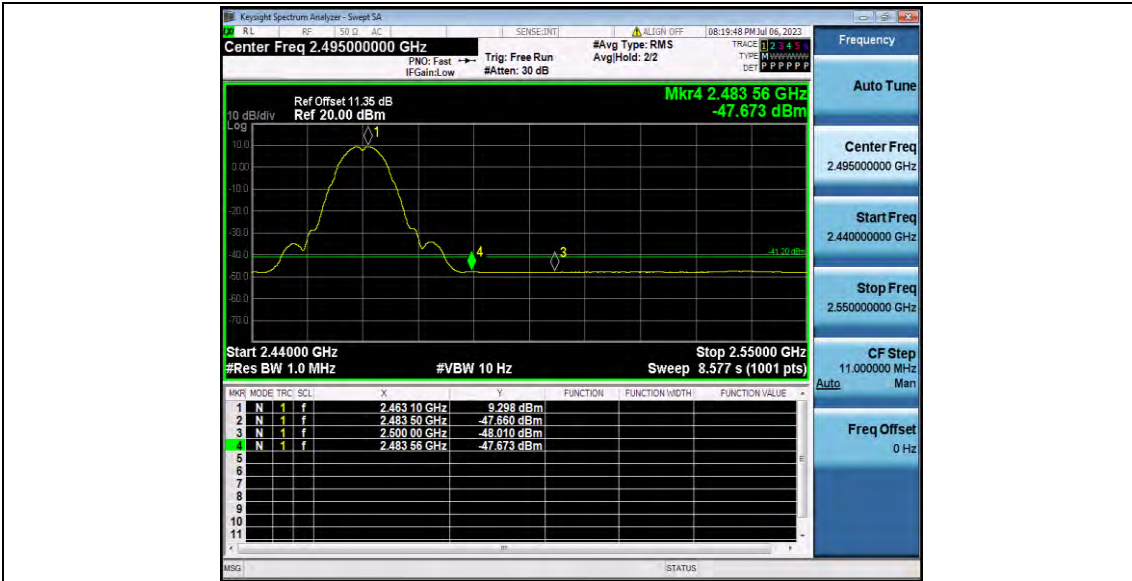
Test Graphs



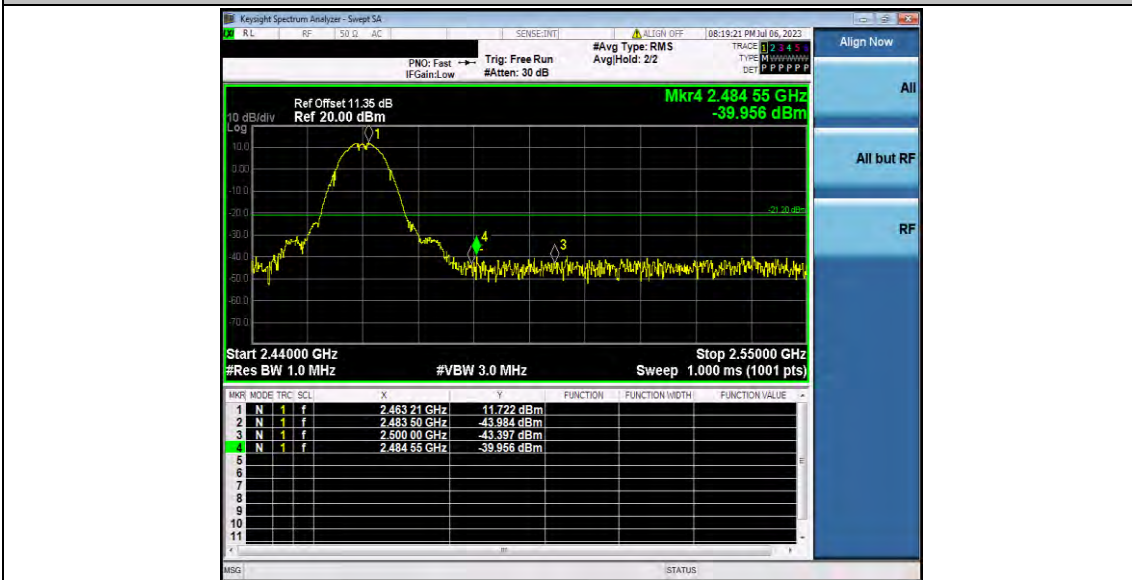
11B_Ant1_Low_2412_AV



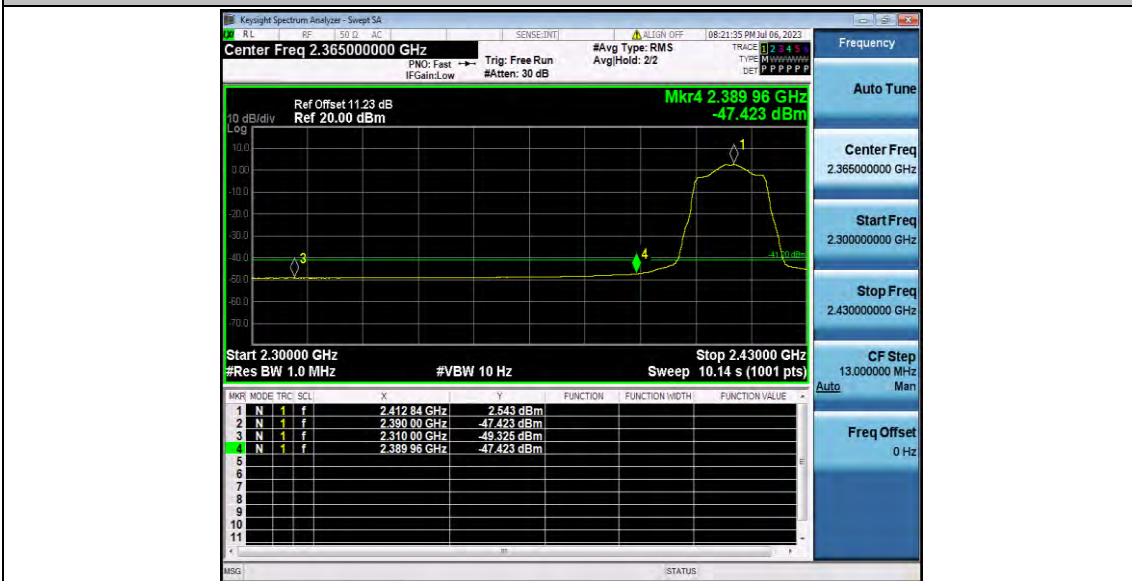
11B_Ant1_Low_2412_Peak



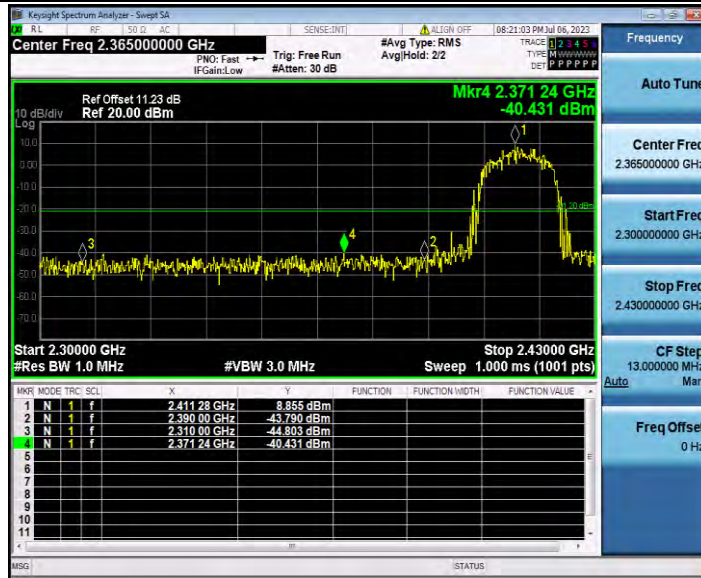
11B_Ant1_High_2462_AV



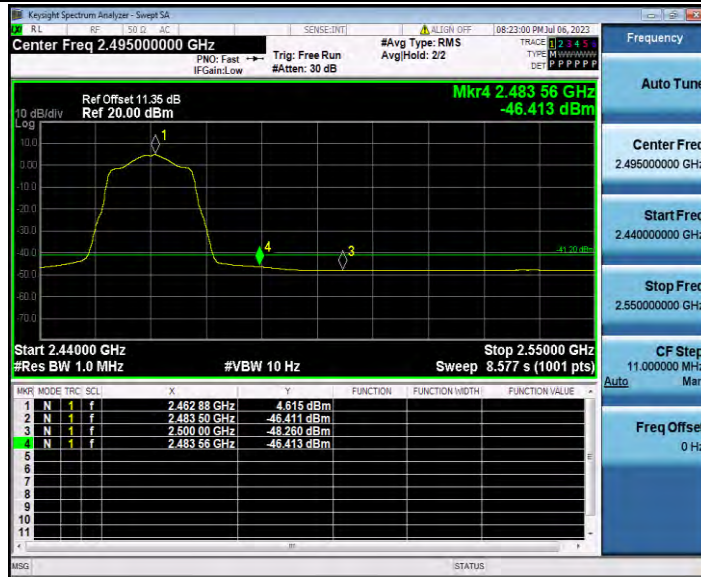
11B_Ant1_High_2462_Peak



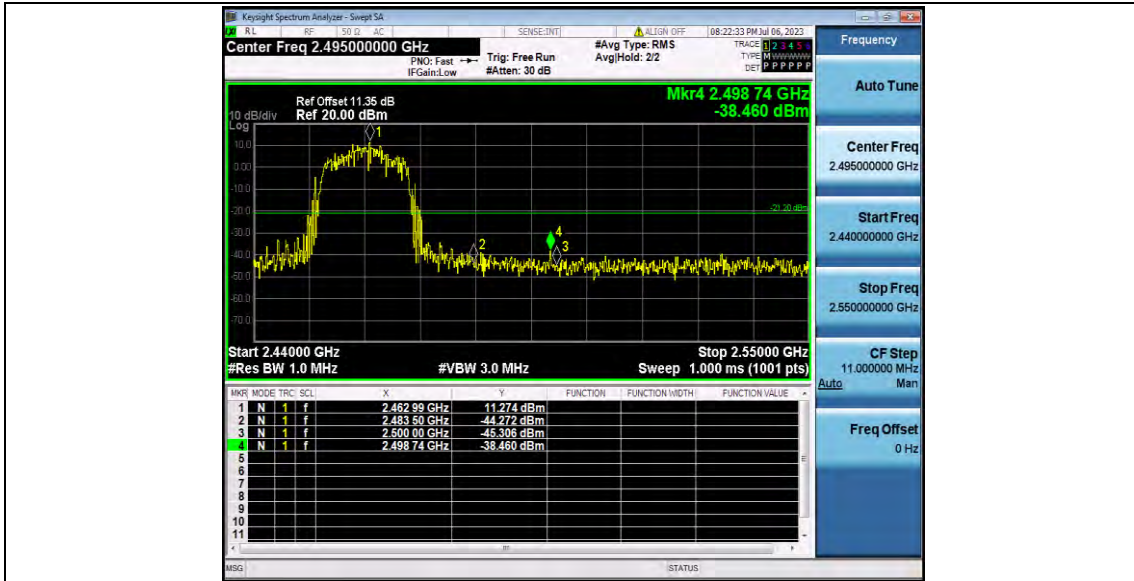
11G_Ant1_Low_2412_AV



11G_Ant1_Low_2412_Peak



11G_Ant1_High_2462_AV



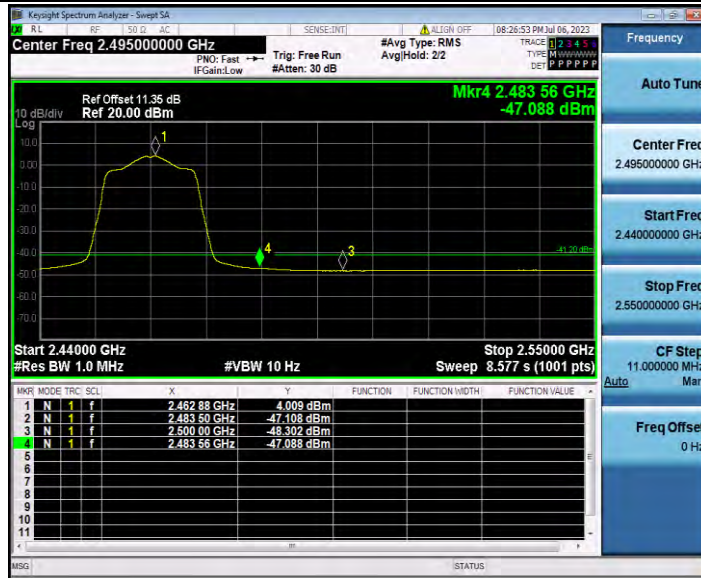
11G_Ant1_High_2462_Peak



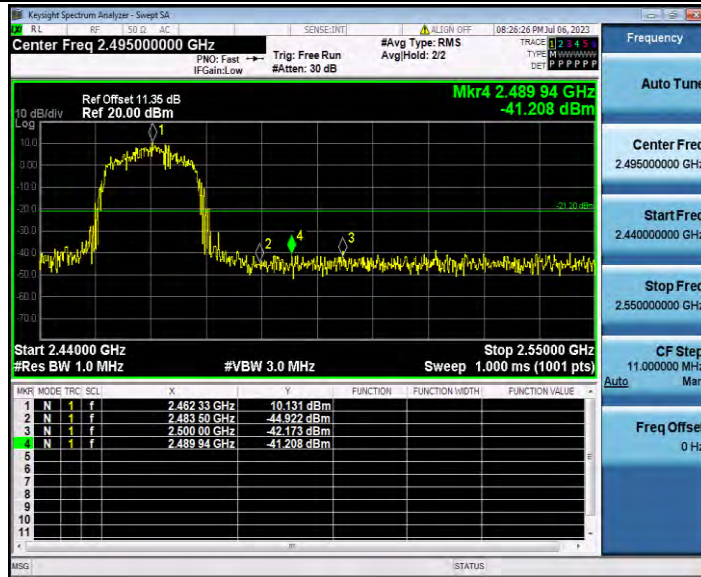
11N20SISO_Ant1_Low_2412_AV



11N20SISO_Ant1_Low_2412_Peak



11N20SISO_Ant1_High_2462_AV



11N20SISO_Ant1_High_2462_Peak