

Case No. : <u>GTS20220905004-1-15</u>
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, Atmos100.1Kpa,
Test Date: <u>2022.9.8</u> Test Engineer: <u>Jenny zeng</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	9.080	2407.440	2416.520	0.5	PASS
		2437	9.520	2432.000	2441.520	0.5	PASS
		2462	9.080	2457.480	2466.560	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.040	2453.840	2469.880	0.5	PASS
11N20SISO	Ant1	2412	16.920	2403.600	2420.520	0.5	PASS
		2437	16.920	2428.600	2445.520	0.5	PASS
		2462	16.880	2453.640	2470.520	0.5	PASS

Test Graphs

11B_Ant1_2412



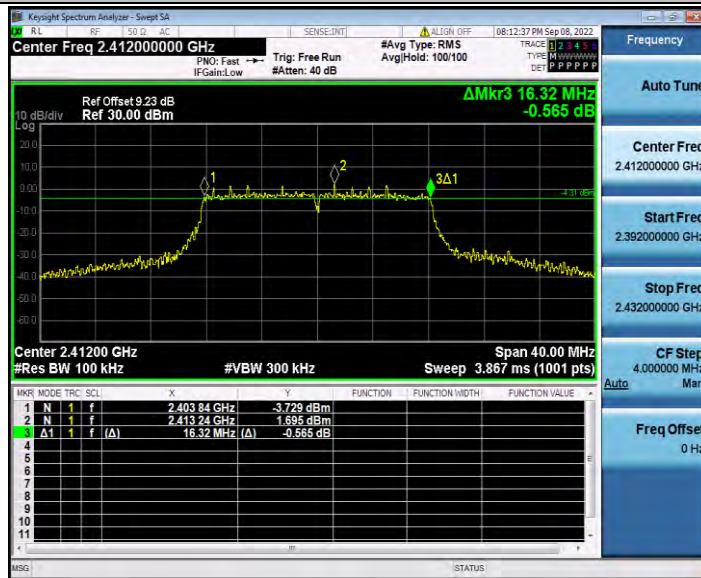
11B_Ant1_2437



11B_Ant1_2462



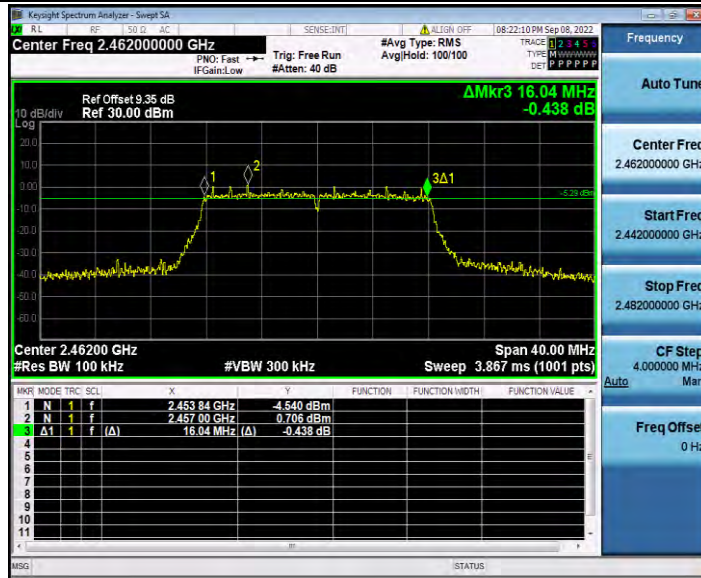
11G_Ant1_2412



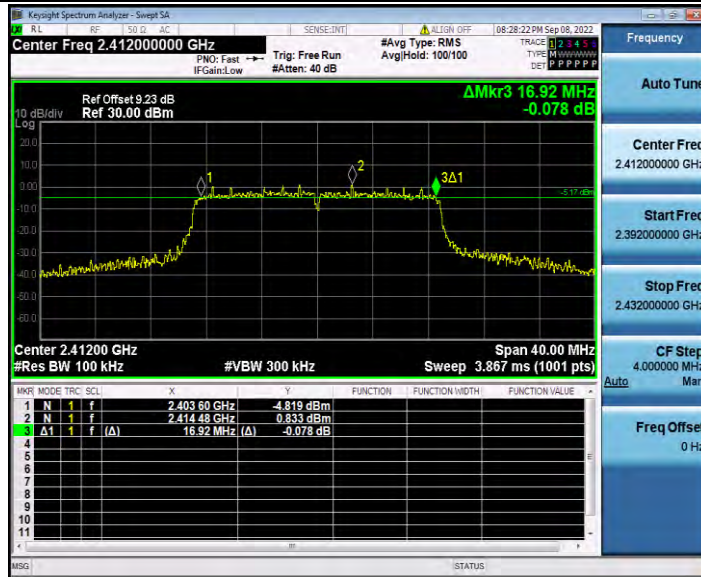
11G_Ant1_2437



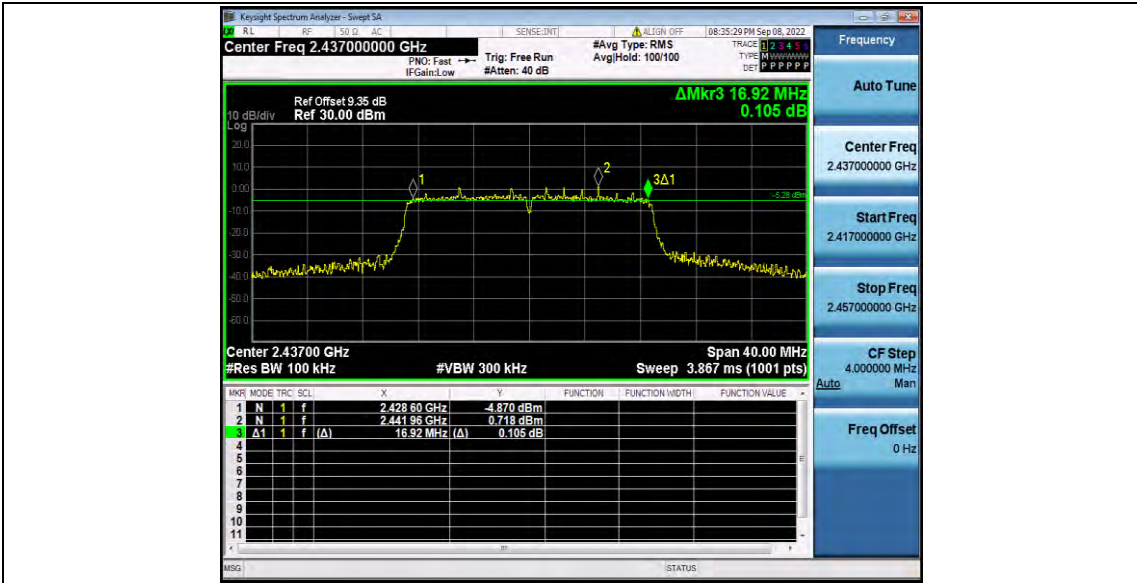
11G_Ant1_2462



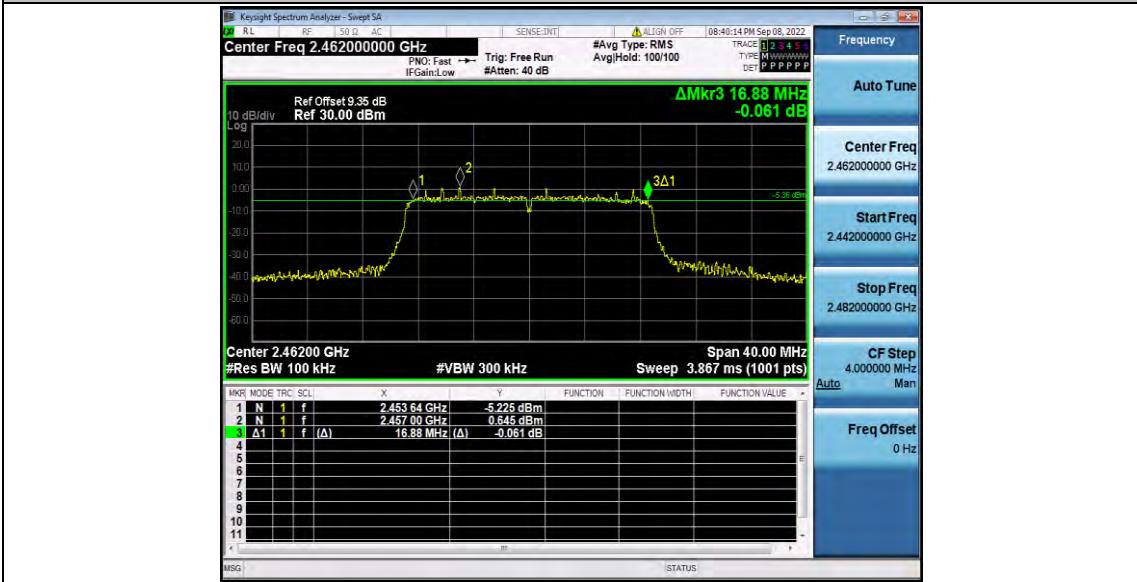
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



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	13.218	2405.424	2418.642	---	---
		2437	13.185	2430.435	2443.620	---	---
		2462	13.036	2455.485	2468.521	---	---
11G	Ant1	2412	16.849	2403.588	2420.437	---	---
		2437	16.829	2428.588	2445.417	---	---
		2462	16.792	2453.582	2470.374	---	---
11N20SISO	Ant1	2412	17.697	2403.153	2420.850	---	---
		2437	17.647	2428.174	2445.821	---	---
		2462	17.606	2453.178	2470.784	---	---

Test Graphs

11B_Ant1_2412



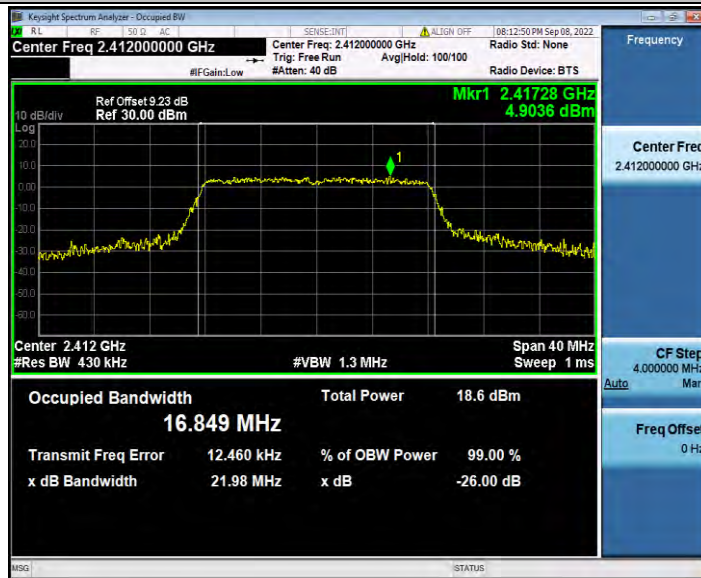
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix A.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	20.77	≤30.00	PASS
		2437	20.09	≤30.00	PASS
		2462	20.15	≤30.00	PASS
11G	Ant1	2412	21.73	≤30.00	PASS
		2437	21.92	≤30.00	PASS
		2462	21.83	≤30.00	PASS
11N20SISO	Ant1	2412	21.58	≤30.00	PASS
		2437	21.77	≤30.00	PASS
		2462	21.82	≤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	-7.73	≤8.00	PASS
		2437	-8.68	≤8.00	PASS
		2462	-8.89	≤8.00	PASS
11G	Ant1	2412	-12.89	≤8.00	PASS
		2437	-13.11	≤8.00	PASS
		2462	-11.68	≤8.00	PASS
11N20SISO	Ant1	2412	-13.35	≤8.00	PASS
		2437	-13.69	≤8.00	PASS
		2462	-14.21	≤8.00	PASS

Test Graphs

11B_Ant1_2412



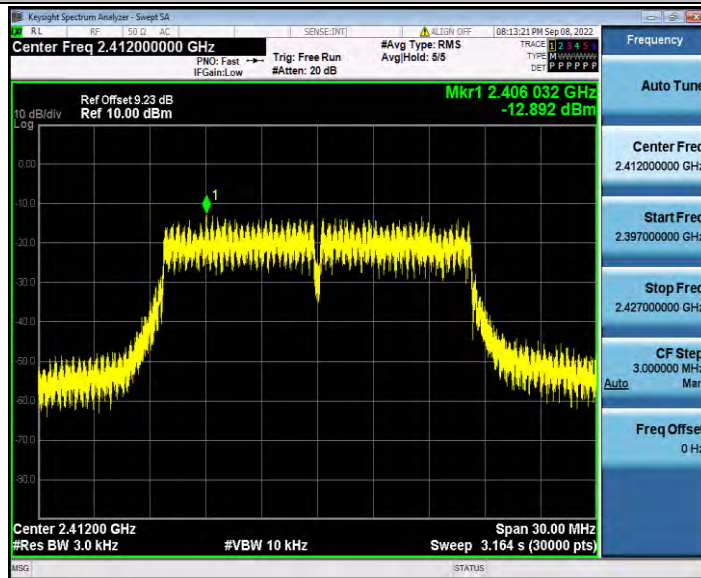
11B_Ant1_2437



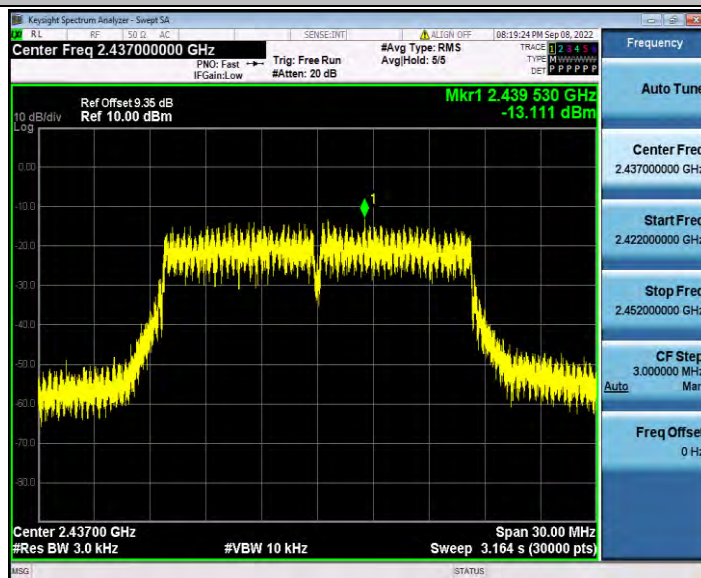
11B_Ant1_2462



11G_Ant1_2412



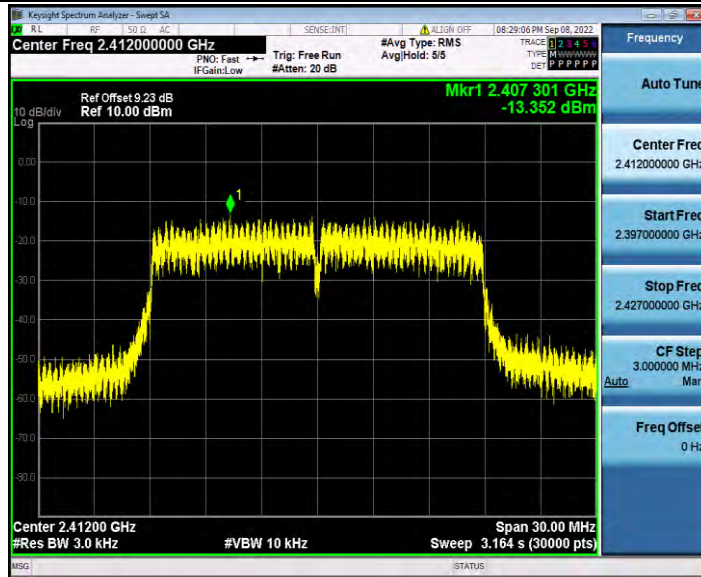
11G_Ant1_2437



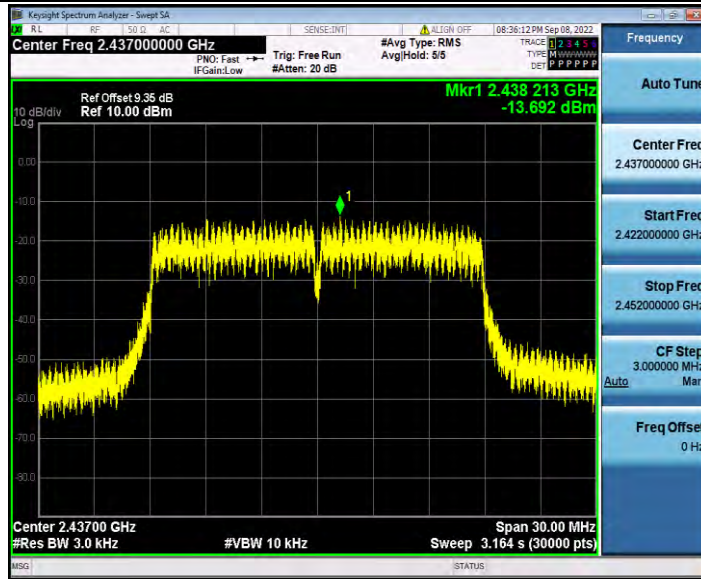
11G_Ant1_2462



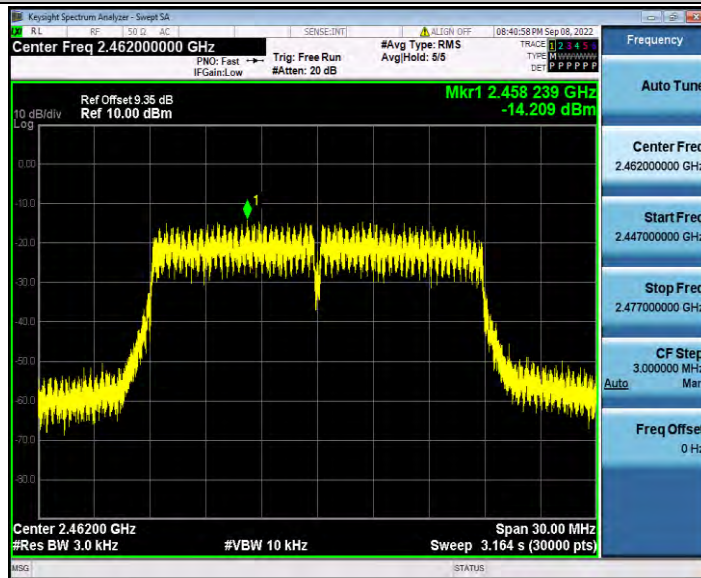
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



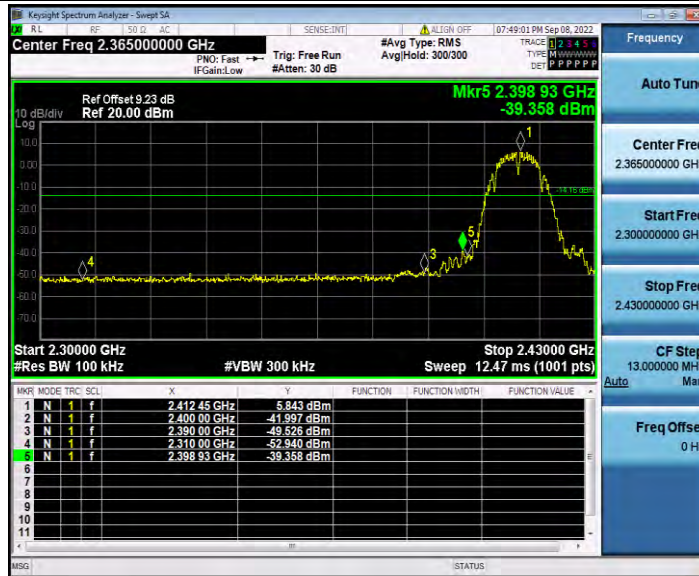
Appendix A.5: Band edge measurements

Test Result

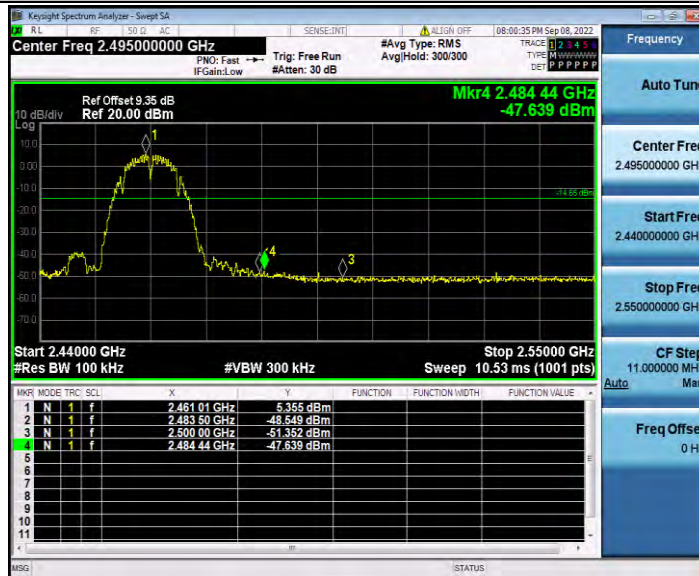
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.84	-39.36	≤-14.16	PASS
		High	2462	5.36	-47.64	≤-14.65	PASS
11G	Ant1	Low	2412	1.72	-29.17	≤-18.28	PASS
		High	2462	0.74	-44.74	≤-19.26	PASS
11N20SISO	Ant1	Low	2412	1.38	-29.72	≤-18.62	PASS
		High	2462	0.71	-44.58	≤-19.29	PASS

Test Graphs

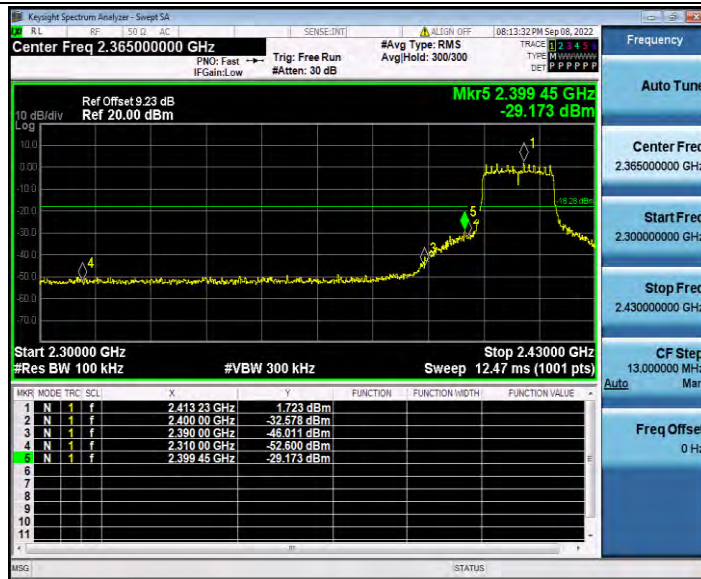
11B_Ant1_Low_2412



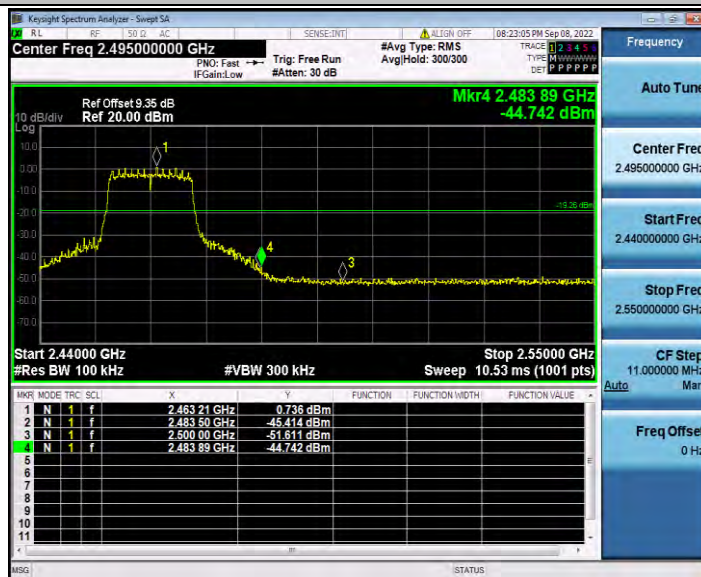
11B_Ant1_High_2462



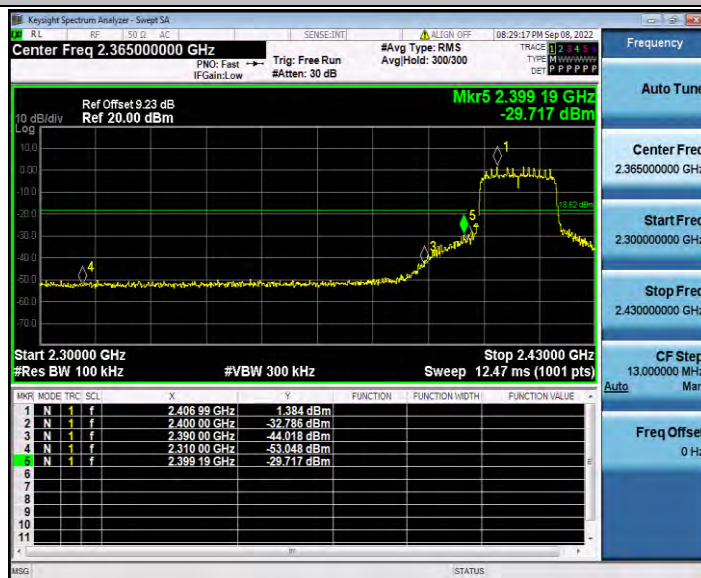
11G_Ant1_Low_2412



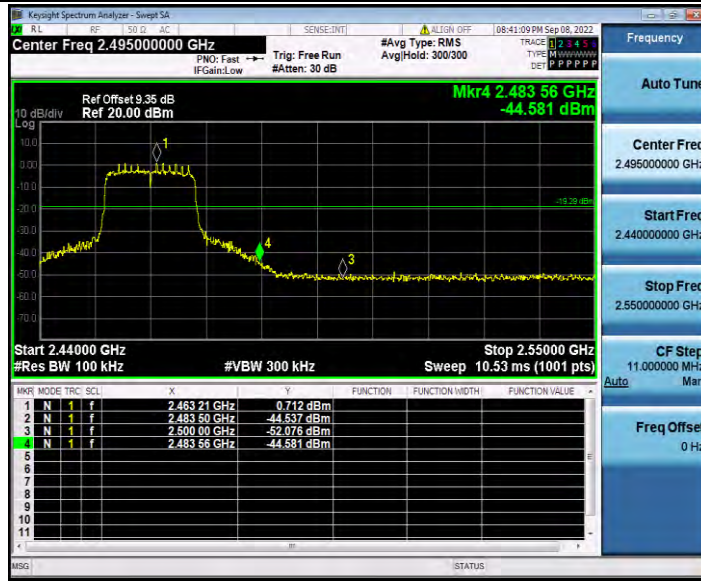
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



Appendix A.6: Conducted Spurious Emission

Test Result

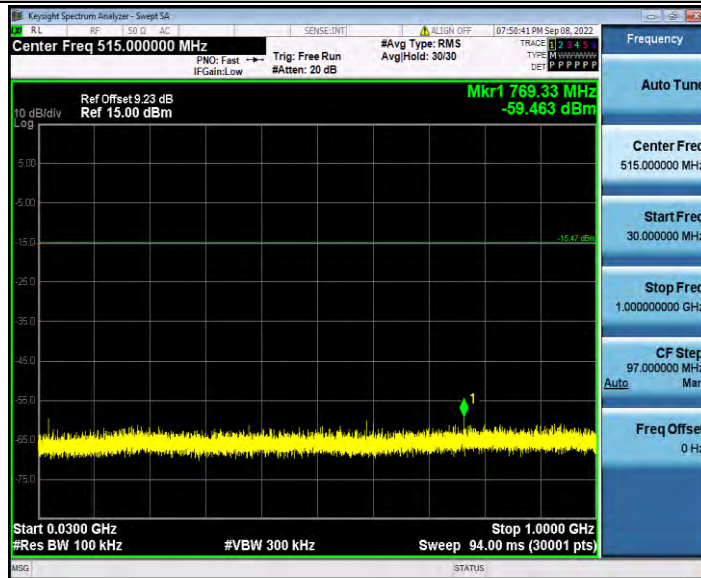
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.53	4.53	---	PASS
			30~1000	4.53	-59.46	≤-15.47	PASS
			1000~26500	4.53	-47.85	≤-15.47	PASS
		2437	Reference	3.98	3.98	---	PASS
			30~1000	3.98	-59.87	≤-16.02	PASS
			1000~26500	3.98	-34.35	≤-16.02	PASS
		2462	Reference	3.37	3.37	---	PASS
			30~1000	3.37	-60.38	≤-16.63	PASS
			1000~26500	3.37	-28.18	≤-16.63	PASS
11G	Ant1	2412	Reference	1.22	1.22	---	PASS
			30~1000	1.22	-60.23	≤-18.78	PASS
			1000~26500	1.22	-47.37	≤-18.78	PASS
		2437	Reference	-2.77	-2.77	---	PASS
			30~1000	-2.77	-59.98	≤-22.77	PASS
			1000~26500	3.98	-34.35	≤-22.77	PASS
		2462	Reference	-0.46	-0.46	---	PASS
			30~1000	-0.46	-60.27	≤-20.46	PASS
			1000~26500	-0.46	-32.49	≤-20.46	PASS
11N20SISO	Ant1	2412	Reference	0.91	0.91	---	PASS
			30~1000	0.91	-60.51	≤-19.09	PASS
			1000~26500	0.91	-31.79	≤-19.09	PASS
		2437	Reference	-0.02	-0.02	---	PASS
			30~1000	-0.02	-60.3	≤-20.02	PASS
			1000~26500	-0.02	-46.59	≤-20.02	PASS
		2462	Reference	-3.16	-3.16	---	PASS
			30~1000	-3.16	-60.23	≤-23.16	PASS
			1000~26500	-3.16	-47.49	≤-23.16	PASS

Test Graphs

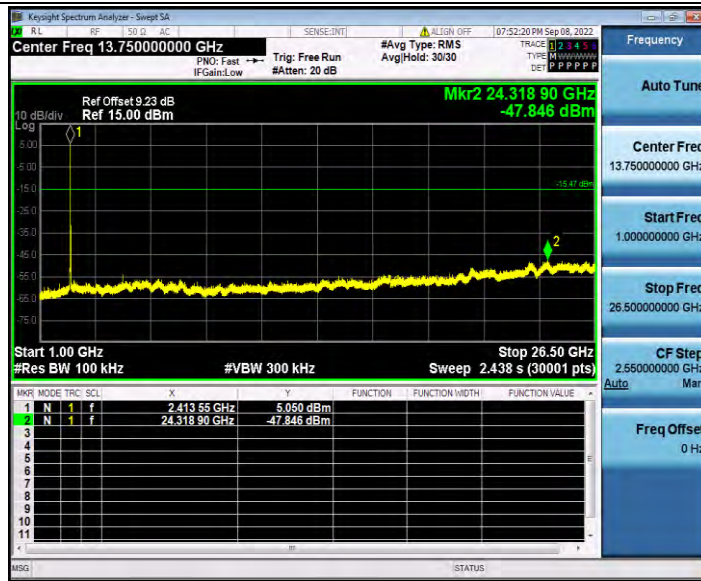
11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



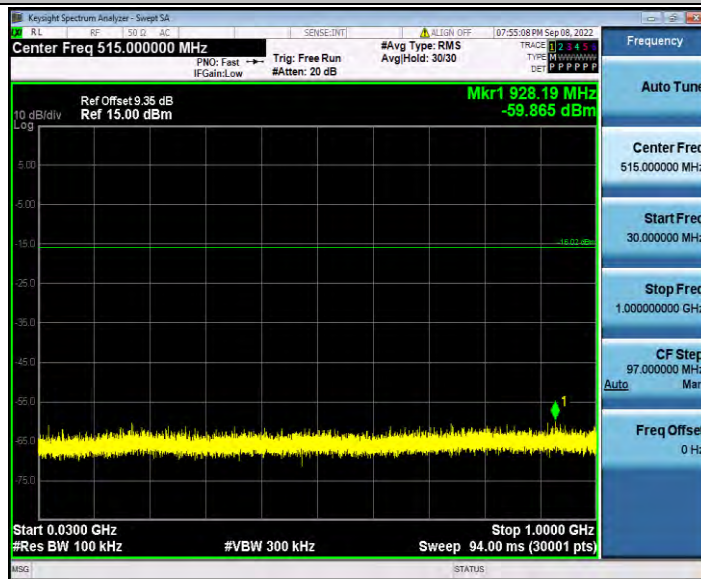
11B_Ant1_2412_1000~26500



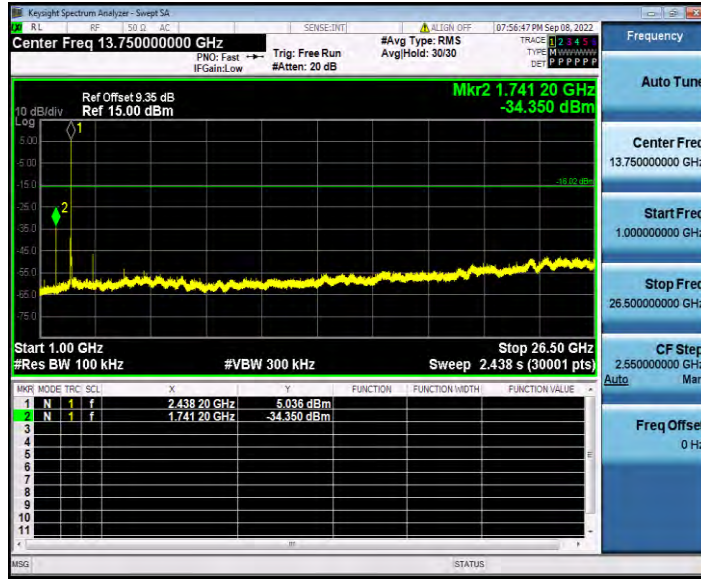
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



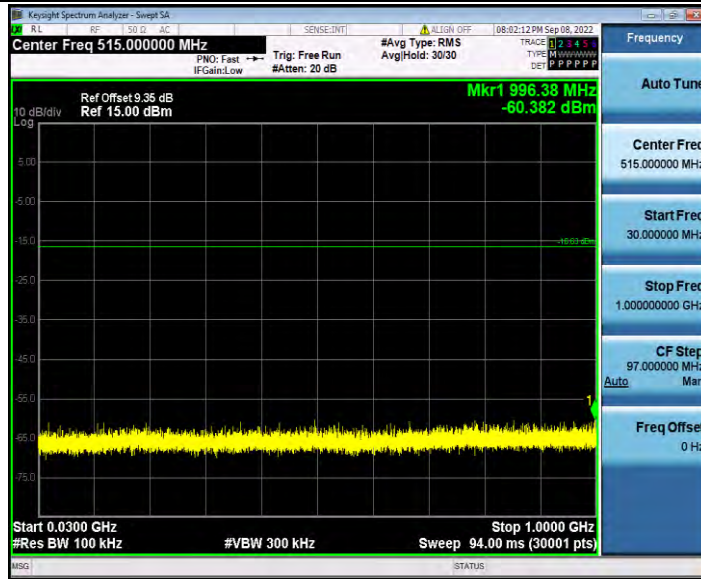
11B_Ant1_2437_1000~26500



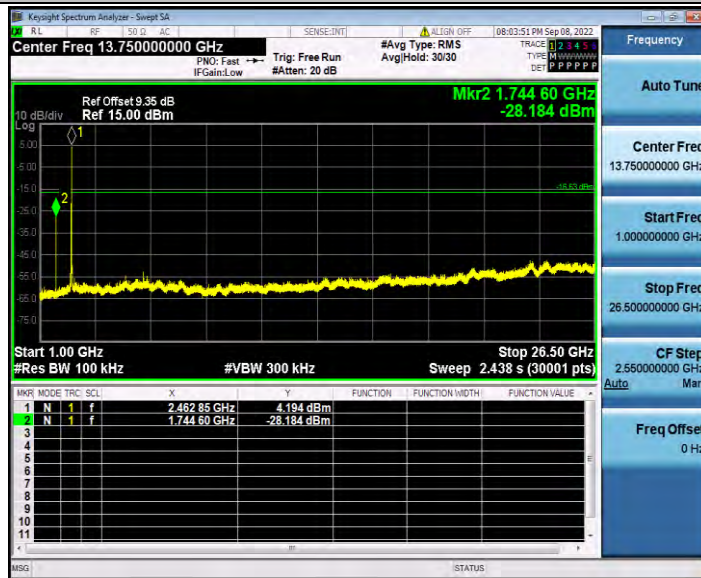
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



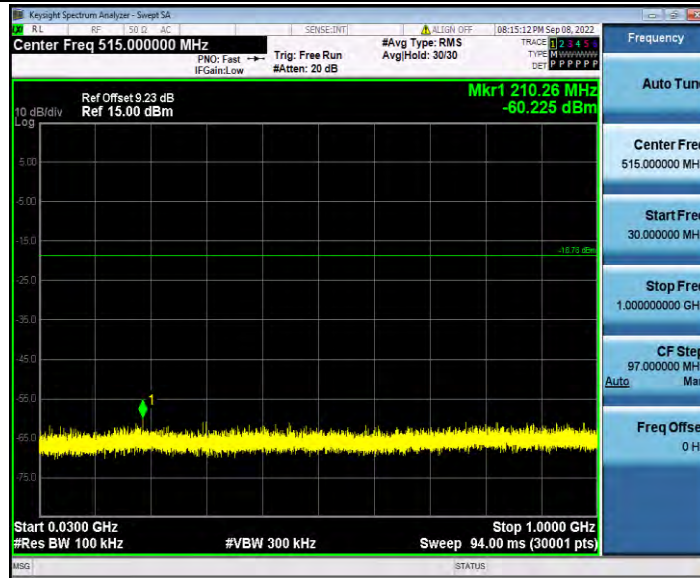
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



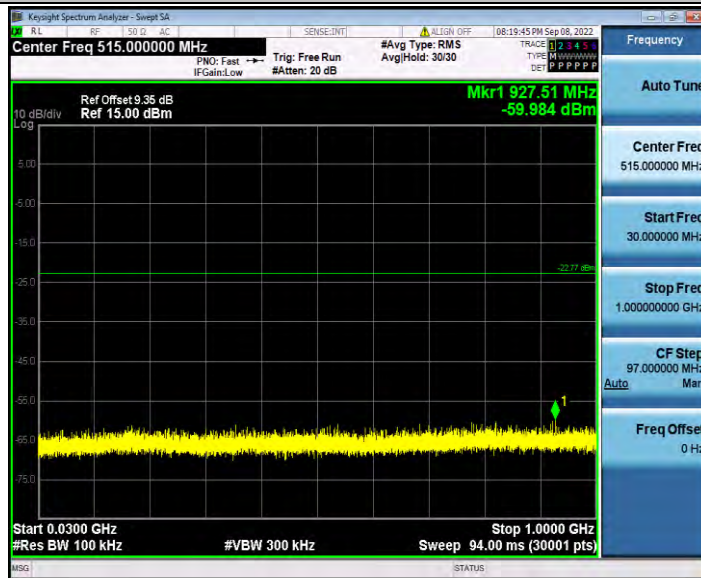
11G_Ant1_2412_1000~26500



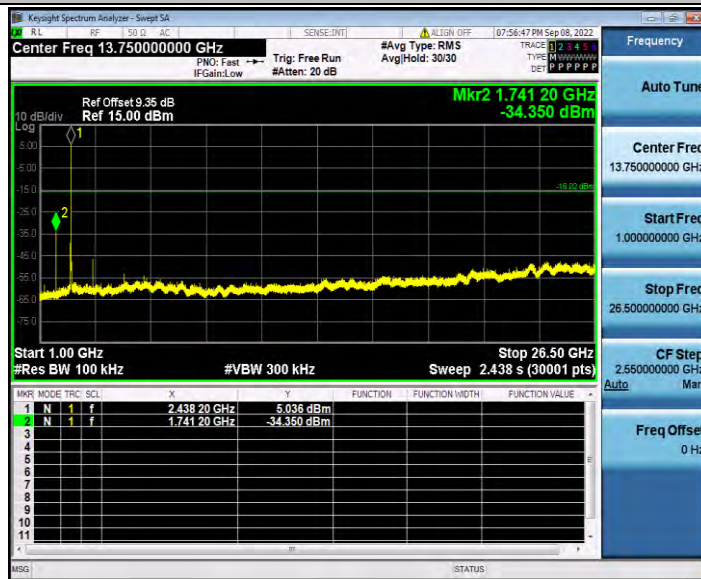
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



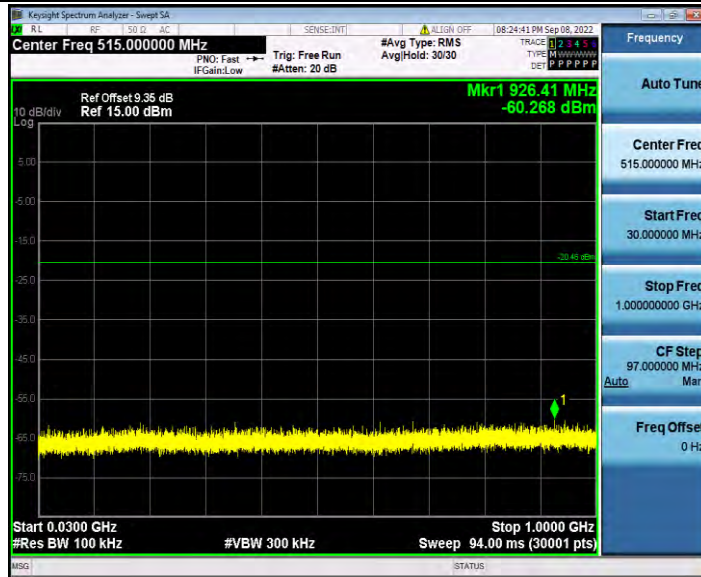
11G_Ant1_2437_1000~26500



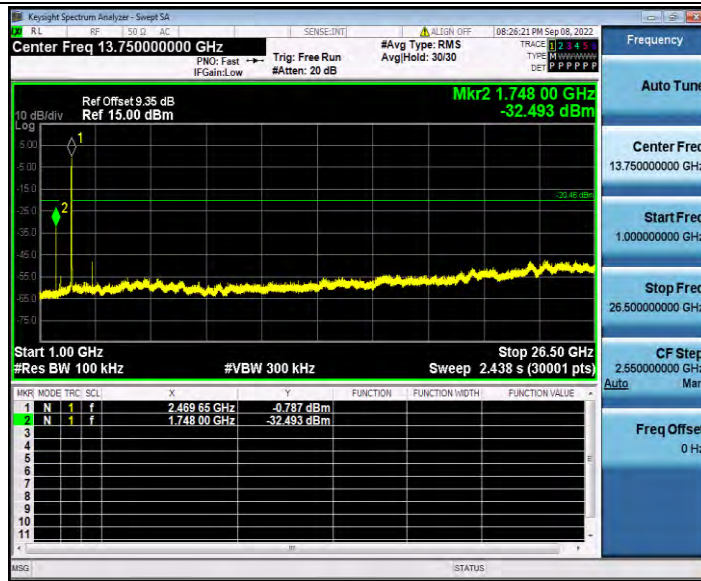
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



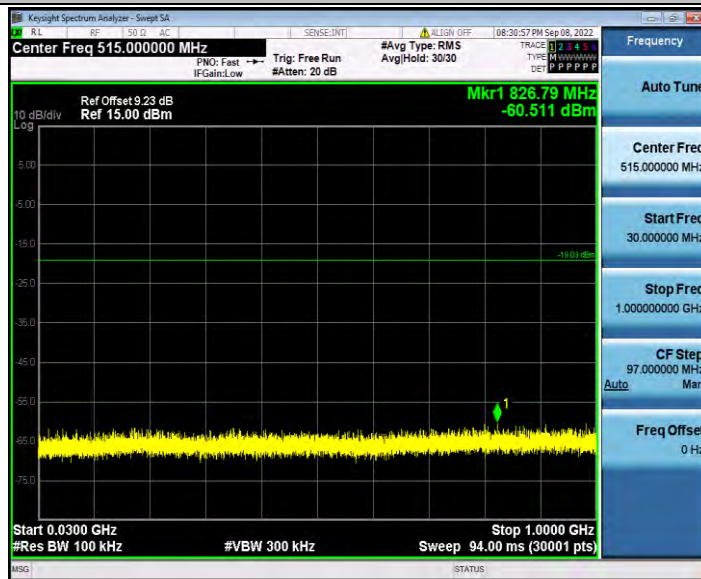
11G_Ant1_2462_1000~26500



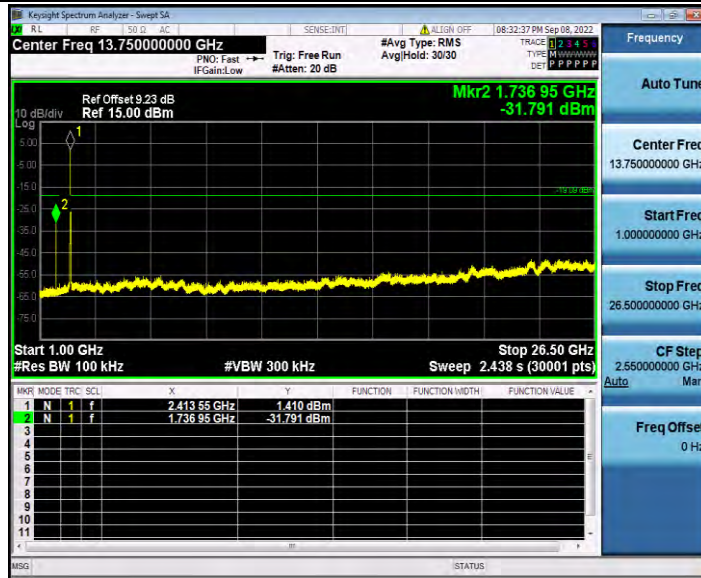
11N20SISO_Ant1_2412_0~Reference



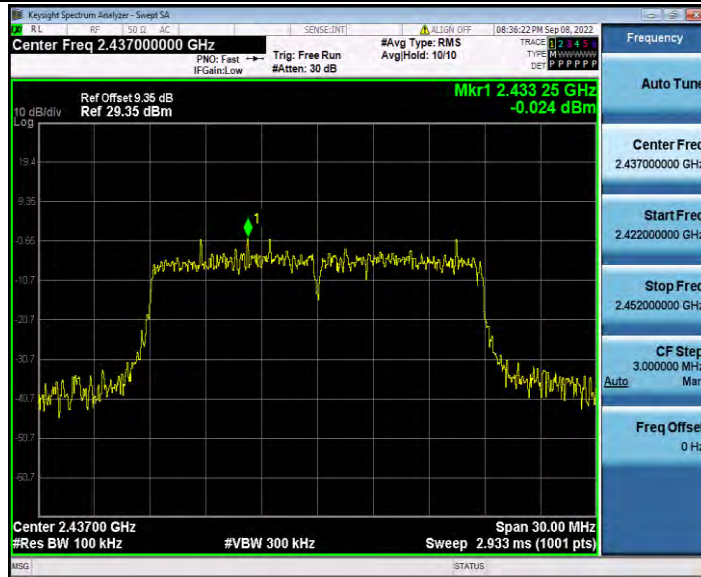
11N20SISO_Ant1_2412_30~1000



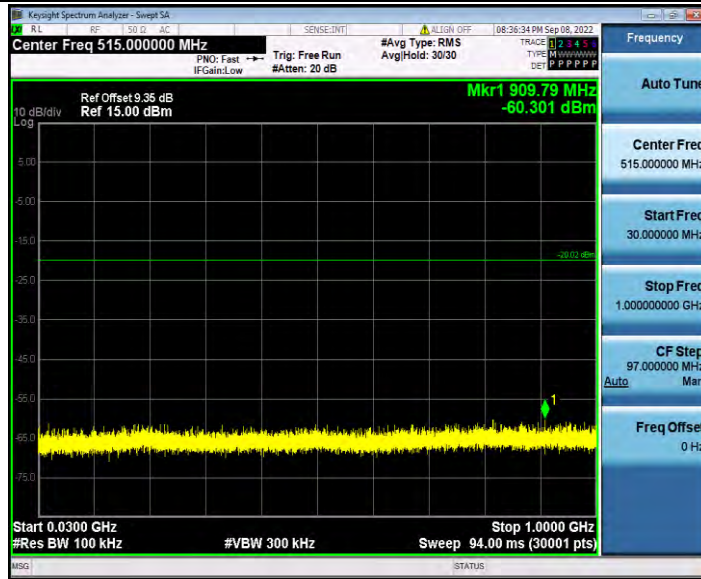
11N20SISO_Ant1_2412_1000~26500



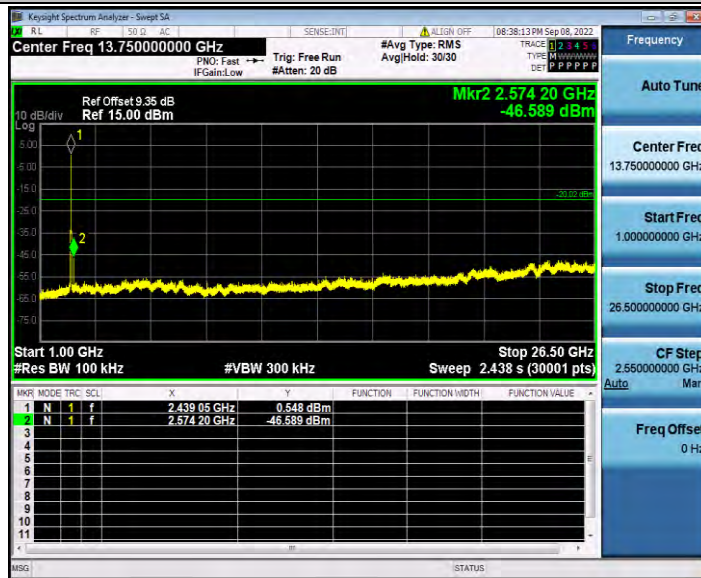
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



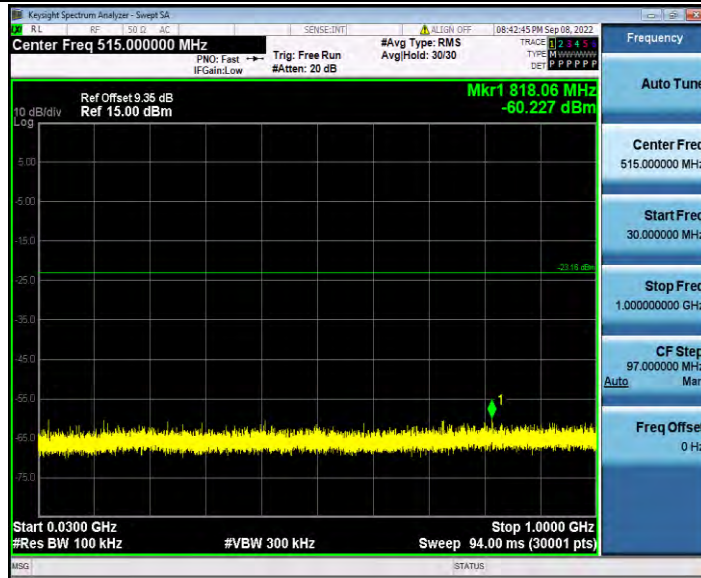
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500

