

Case No. : <u>CTA24081600303</u>	
Ambient Condition: <u>22</u> °C, <u>53</u> %RH	
According Standard: ■Part15C	
Test Date: <u>2024.8.19</u>	Test Engineer: <u>Lushan Kong</u>

Appendix C.1: DTS Bandwidth

Test Result

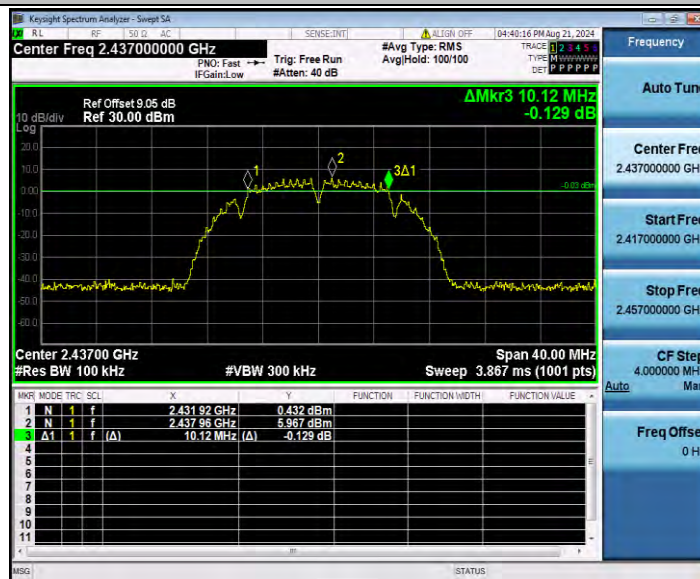
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	10.080	2406.960	2417.040	0.5	PASS
		2437	10.120	2431.920	2442.040	0.5	PASS
		2462	9.680	2457.320	2467.000	0.5	PASS
11G	Ant2	2412	16.320	2403.880	2420.200	0.5	PASS
		2437	16.360	2428.800	2445.160	0.5	PASS
		2462	16.280	2453.840	2470.120	0.5	PASS
11N20SISO	Ant2	2412	16.880	2403.880	2420.760	0.5	PASS
		2437	17.400	2428.360	2445.760	0.5	PASS
		2462	17.560	2453.200	2470.760	0.5	PASS
11N40SISO	Ant2	2422	35.680	2404.480	2440.160	0.5	PASS
		2437	35.920	2419.240	2455.160	0.5	PASS
		2452	36.320	2433.840	2470.160	0.5	PASS

Test Graphs

11B_Ant2_2412



11B_Ant2_2437



11B_Ant2_2462



11G_Ant2_2412



11G_Ant2_2437



11G_Ant2_2462



11N20SISO_Ant2_2412



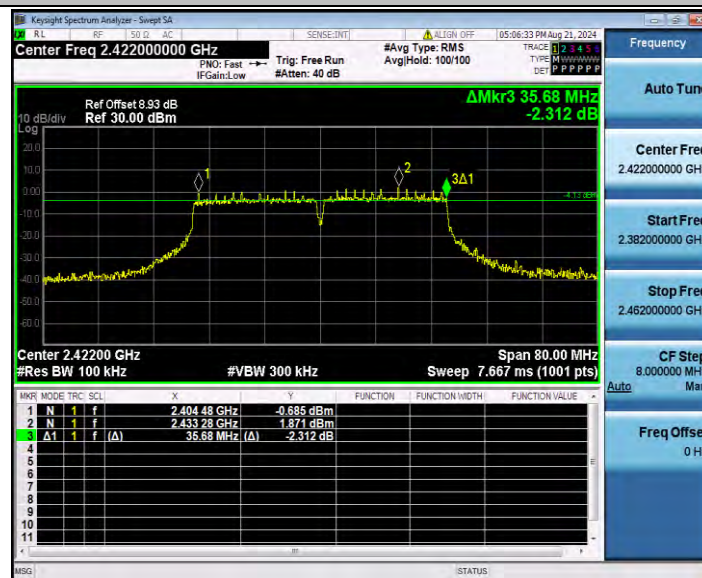
11N20SISO_Ant2_2437



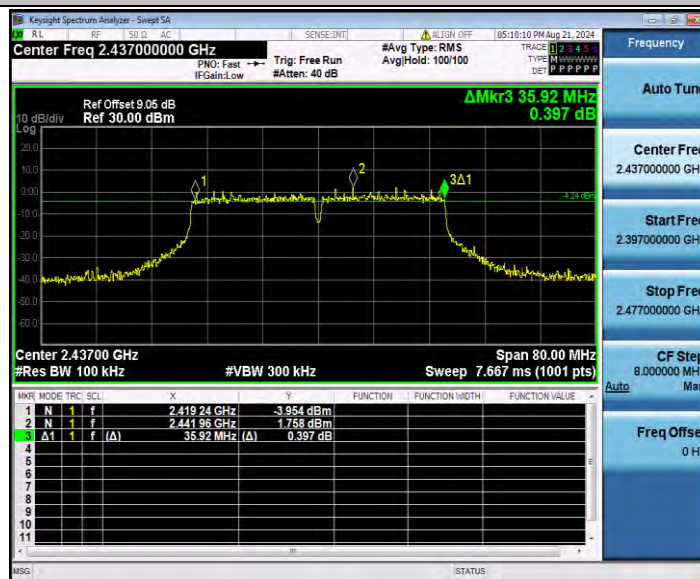
11N20SISO_Ant2_2462



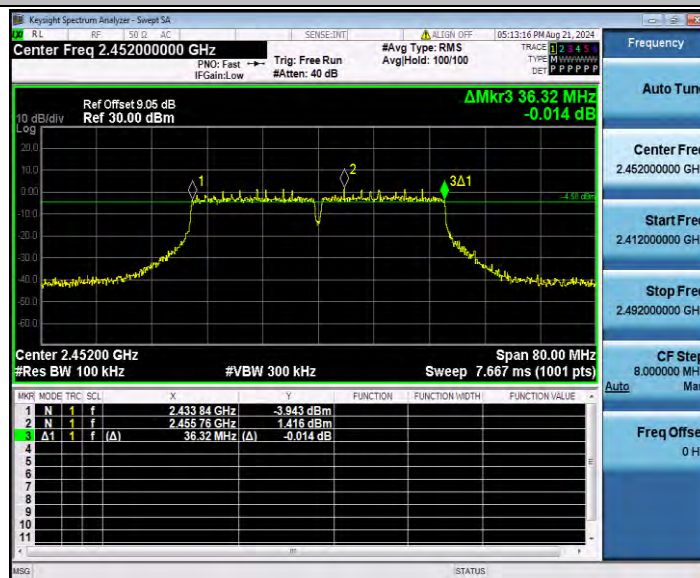
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



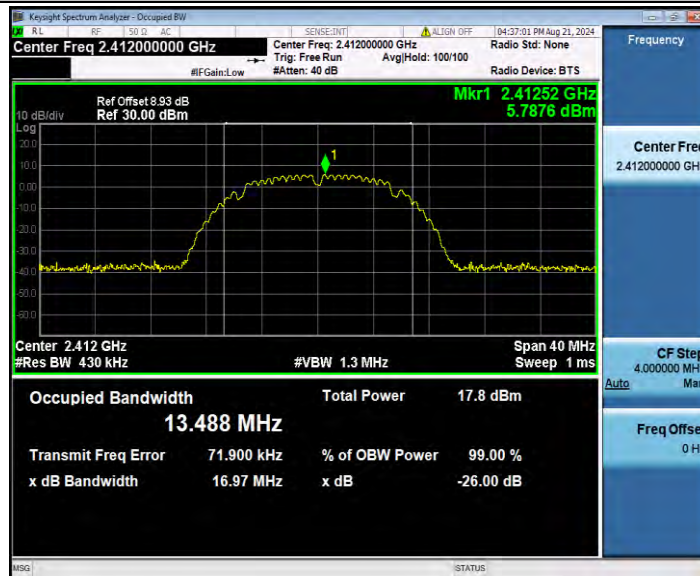
Appendix C.2: Occupied Channel Bandwidth

Test Result

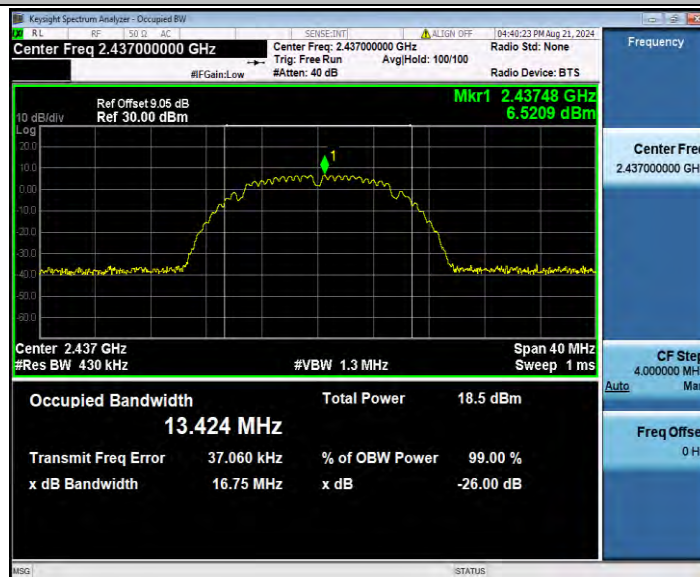
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	13.488	2405.3279	2418.8159	---	---
		2437	13.424	2430.3251	2443.7491	---	---
		2462	13.415	2455.2772	2468.6922	---	---
11G	Ant2	2412	17.282	2403.4426	2420.7246	---	---
		2437	17.183	2428.4133	2445.5963	---	---
		2462	17.093	2453.4209	2470.5139	---	---
11N20SISO	Ant2	2412	18.314	2402.9183	2421.2323	---	---
		2437	18.265	2427.9069	2446.1719	---	---
		2462	18.232	2452.8660	2471.0980	---	---
11N40SISO	Ant2	2422	36.639	2403.7874	2440.4264	---	---
		2437	36.671	2418.7812	2455.4522	---	---
		2452	36.496	2433.7777	2470.2737	---	---

Test Graphs

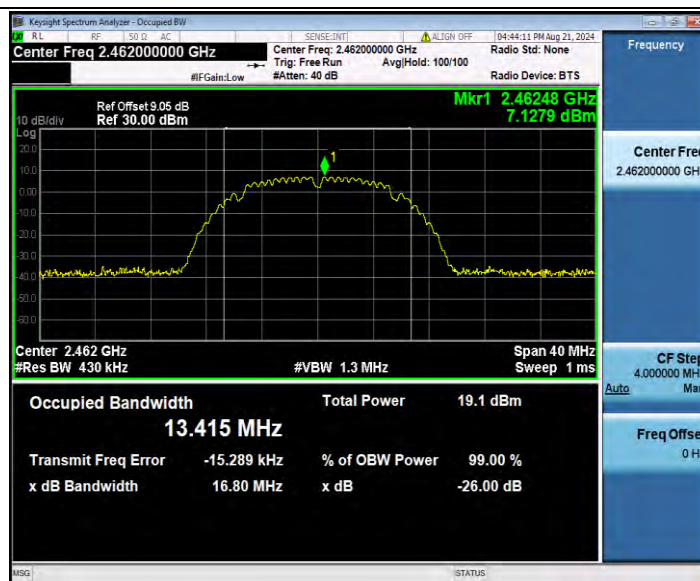
11B_Ant2_2412



11B_Ant2_2437



11B_Ant2_2462



11G_Ant2_2412



11G_Ant2_2437



11G_Ant2_2462



11N20SISO_Ant2_2412



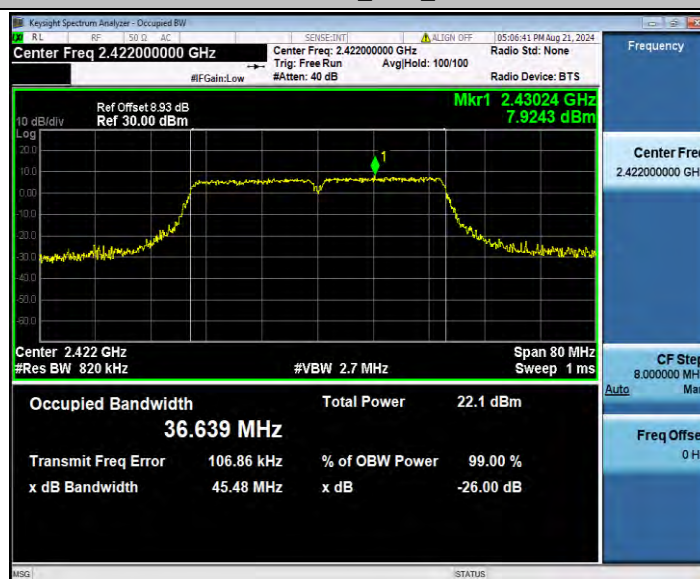
11N20SISO_Ant2_2437



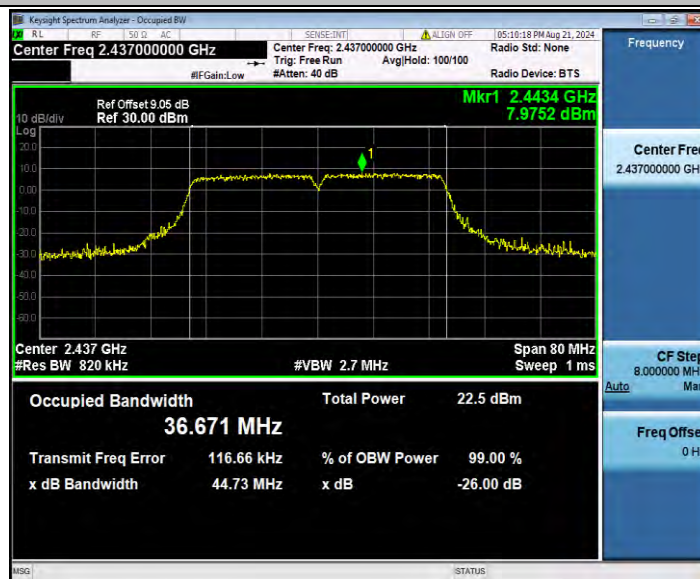
11N20SISO_Ant2_2462



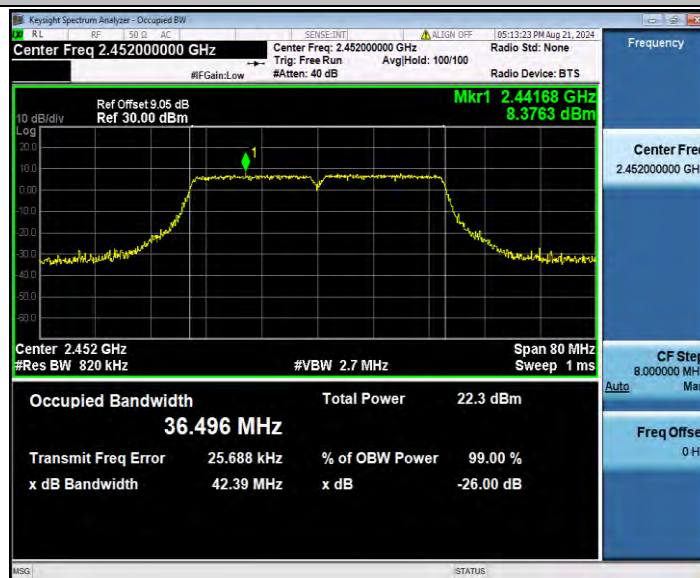
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



Appendix C.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	17.82	≤30.00	PASS
		2437	18.54	≤30.00	PASS
		2462	19.14	≤30.00	PASS
11G	Ant2	2412	22.05	≤30.00	PASS
		2437	22.63	≤30.00	PASS
		2462	23.28	≤30.00	PASS
11N20SISO	Ant2	2412	22.03	≤30.00	PASS
		2437	22.72	≤30.00	PASS
		2462	23.16	≤30.00	PASS
11N40SISO	Ant2	2422	22.43	≤30.00	PASS
		2437	22.78	≤30.00	PASS
		2452	22.60	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-7.98	≤8.00	PASS
		2437	-6.94	≤8.00	PASS
		2462	-7.04	≤8.00	PASS
11G	Ant2	2412	-9.29	≤8.00	PASS
		2437	-9.92	≤8.00	PASS
		2462	-8.88	≤8.00	PASS
11N20SISO	Ant2	2412	-10.98	≤8.00	PASS
		2437	-10.60	≤8.00	PASS
		2462	-9.33	≤8.00	PASS
11N40SISO	Ant2	2422	-12.23	≤8.00	PASS
		2437	-11.88	≤8.00	PASS
		2452	-12.46	≤8.00	PASS

Note:

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

Test Graphs

11B_Ant2_2412



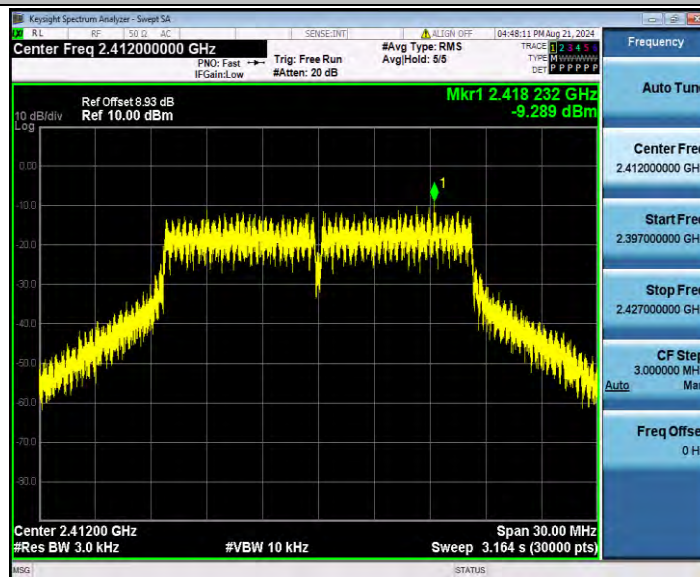
11B_Ant2_2437



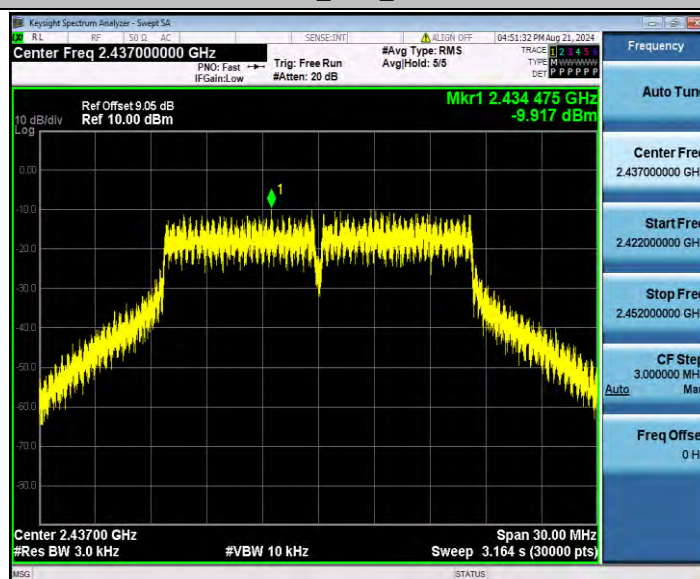
11B_Ant2_2462



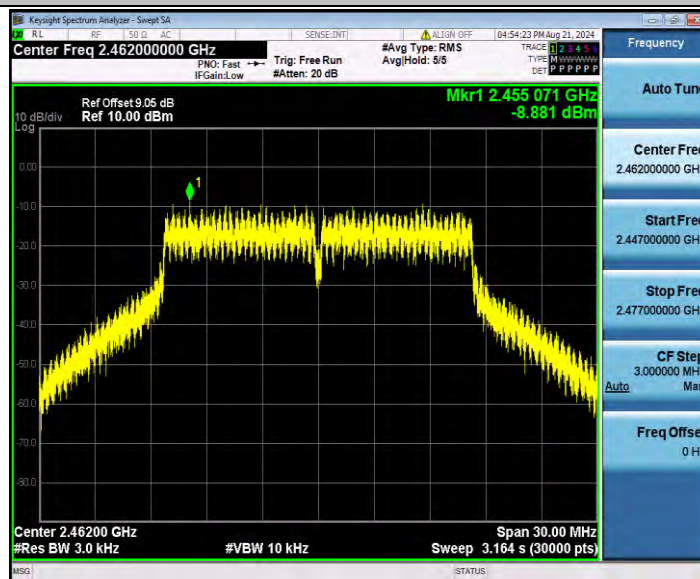
11G_Ant2_2412



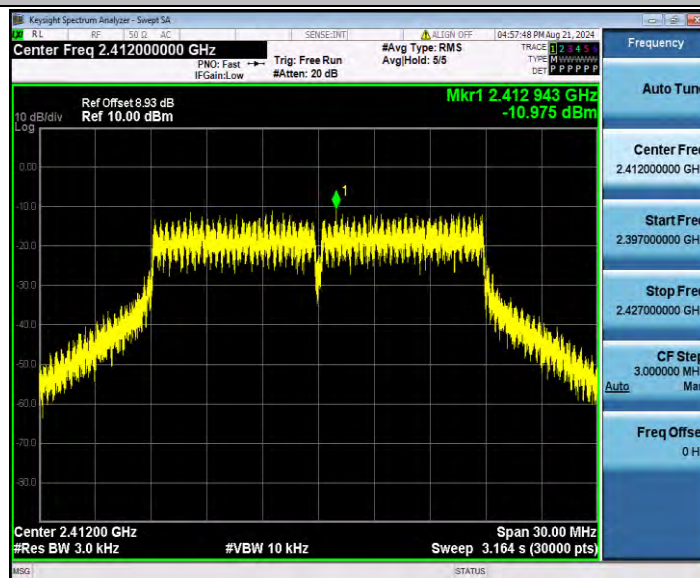
11G_Ant2_2437



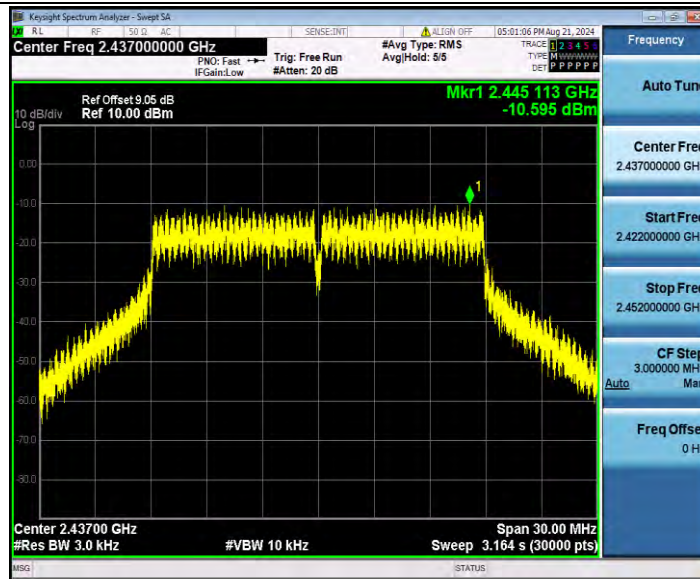
11G_Ant2_2462



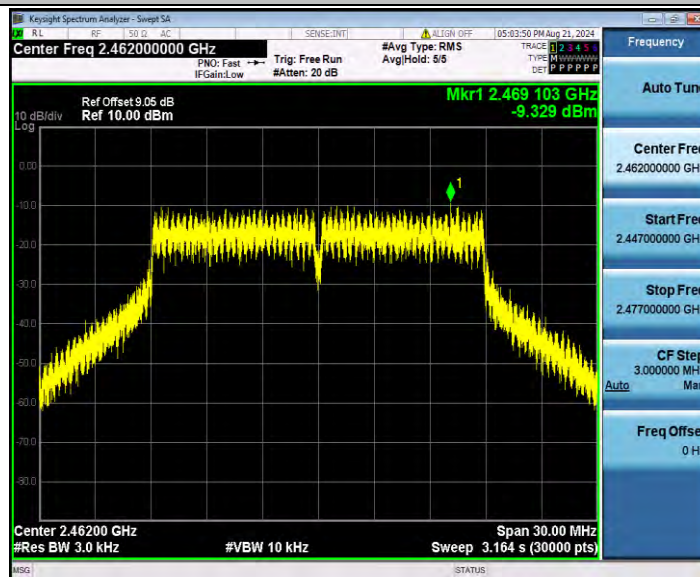
11N20SISO_Ant2_2412



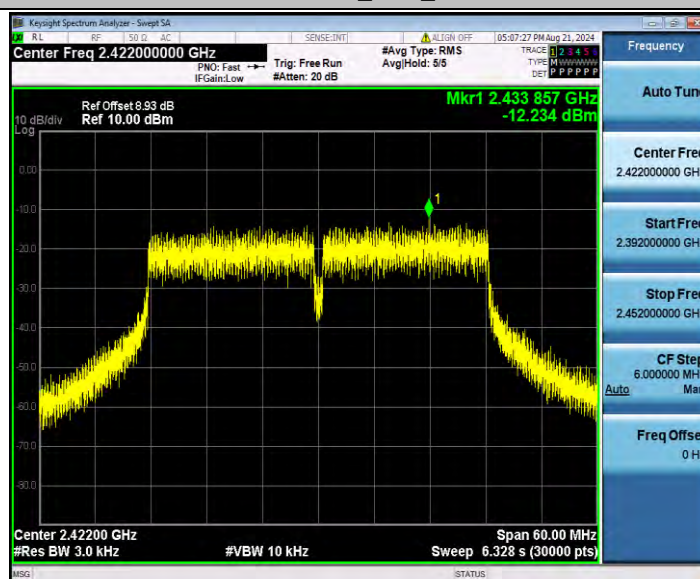
11N20SISO_Ant2_2437



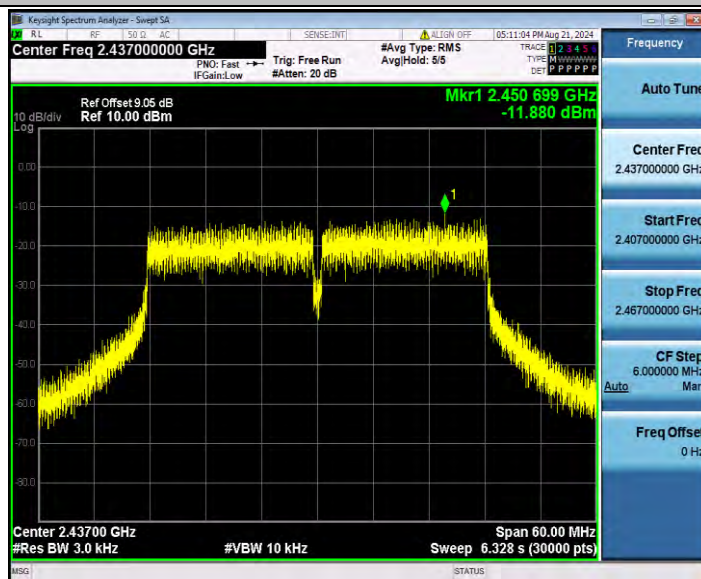
11N20SISO_Ant2_2462



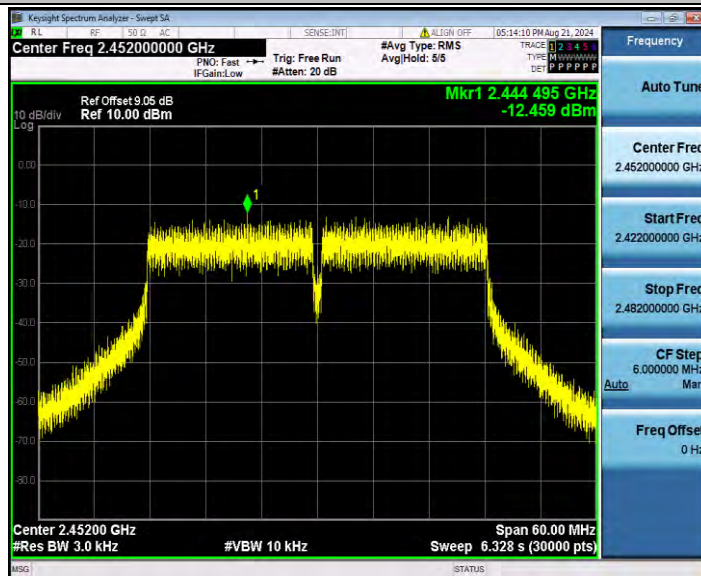
11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452



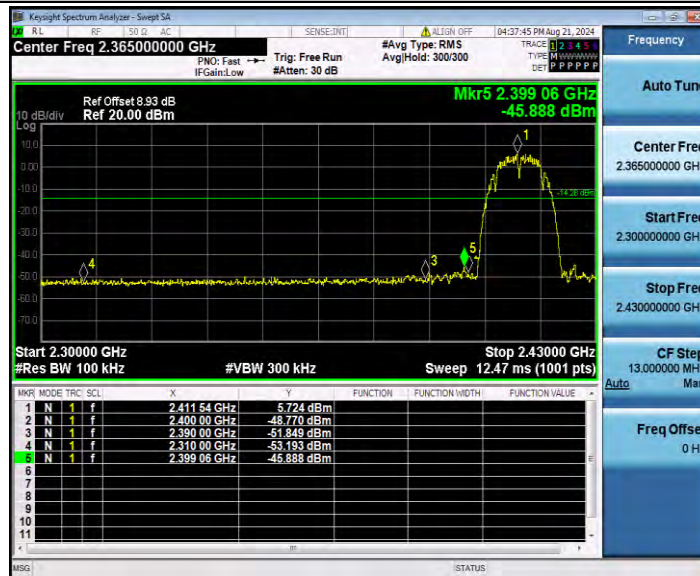
Appendix C.5: Band edge measurements

Test Result

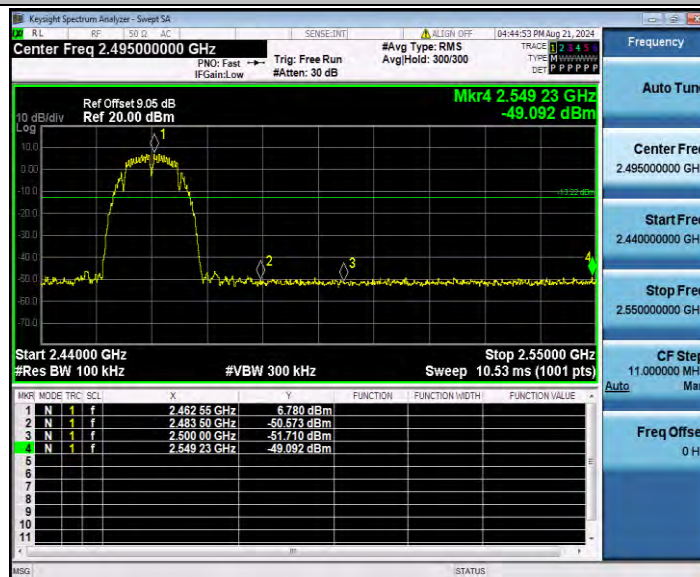
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	5.72	-45.89	≤ -14.28	PASS
		High	2462	6.78	-49.09	≤ -13.22	PASS
11G	Ant2	Low	2412	4.25	-24.52	≤ -15.75	PASS
		High	2462	5.58	-44.79	≤ -14.42	PASS
11N20SISO	Ant2	Low	2412	4.55	-24.71	≤ -15.45	PASS
		High	2462	5.66	-44.73	≤ -14.34	PASS
11N40SISO	Ant2	Low	2422	1.19	-26.08	≤ -18.81	PASS
		High	2452	1.78	-41.09	≤ -18.22	PASS

Test Graphs

11B_Ant2_Low_2412



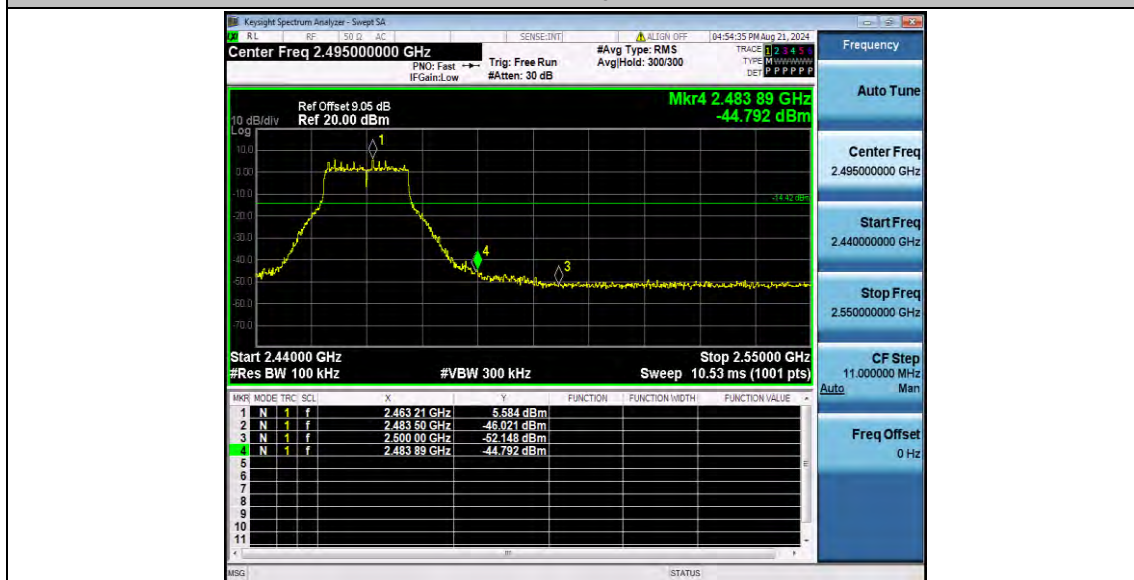
11B_Ant2_High_2462



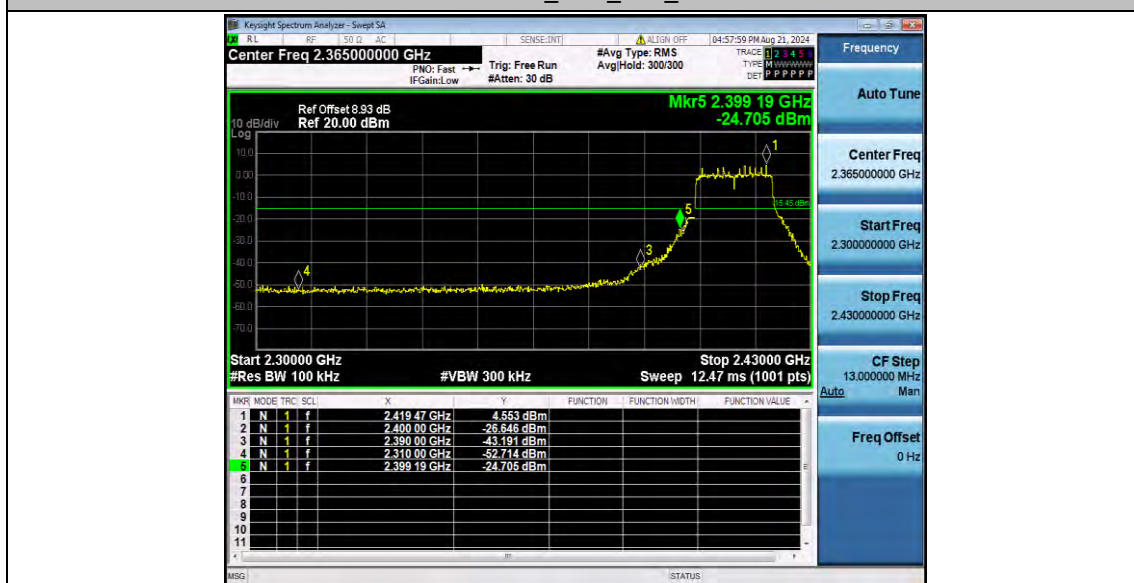
11G_Ant2_Low_2412



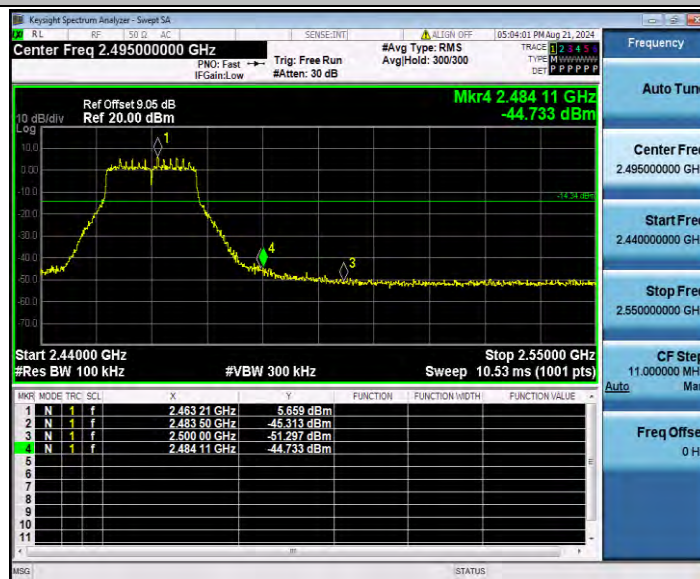
11G_Ant2_High_2462



11N20SISO_Ant2_Low_2412



11N20SISO_Ant2_High_2462



11N40SISO_Ant2_Low_2422



11N40SISO_Ant2_High_2452

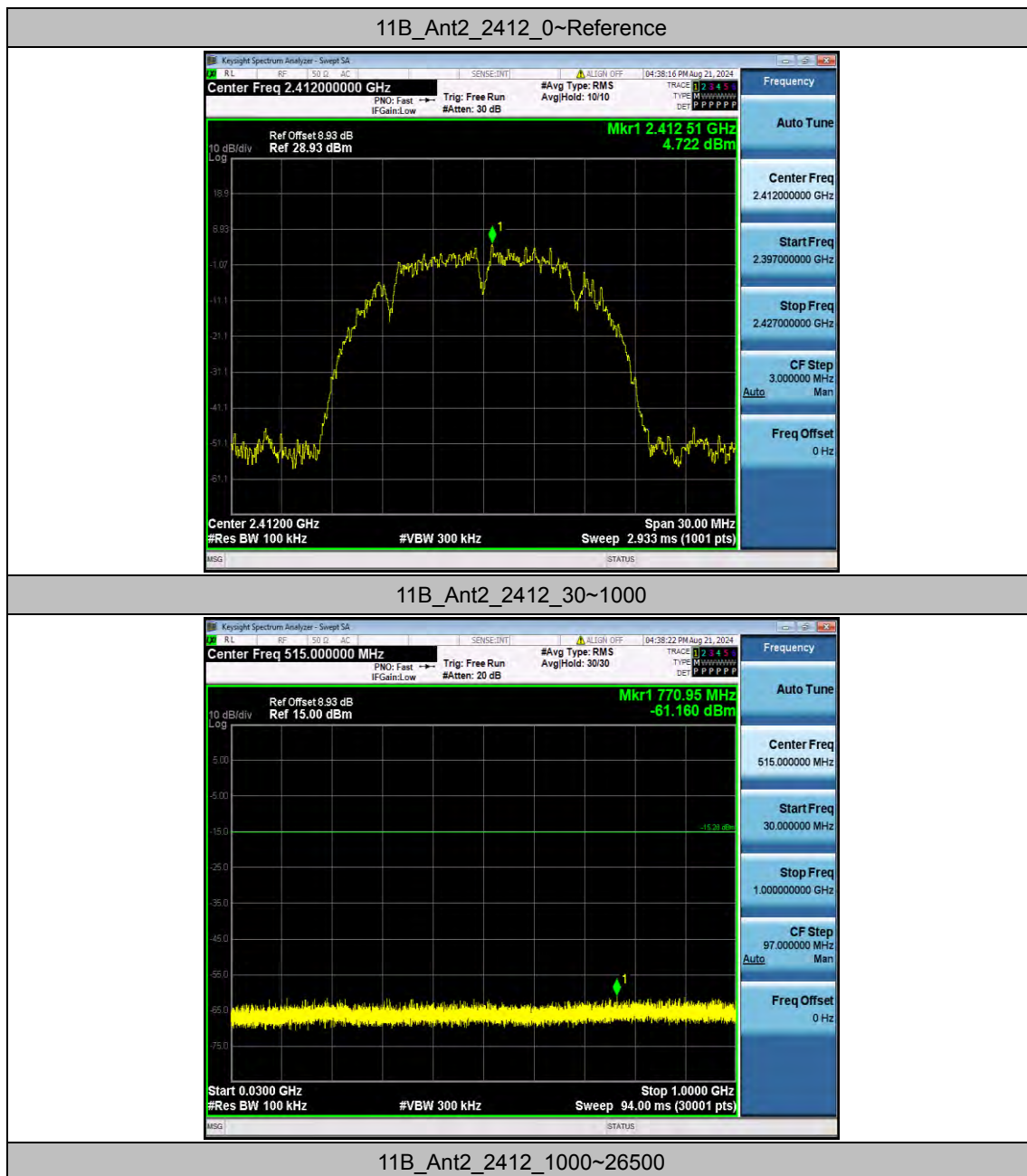


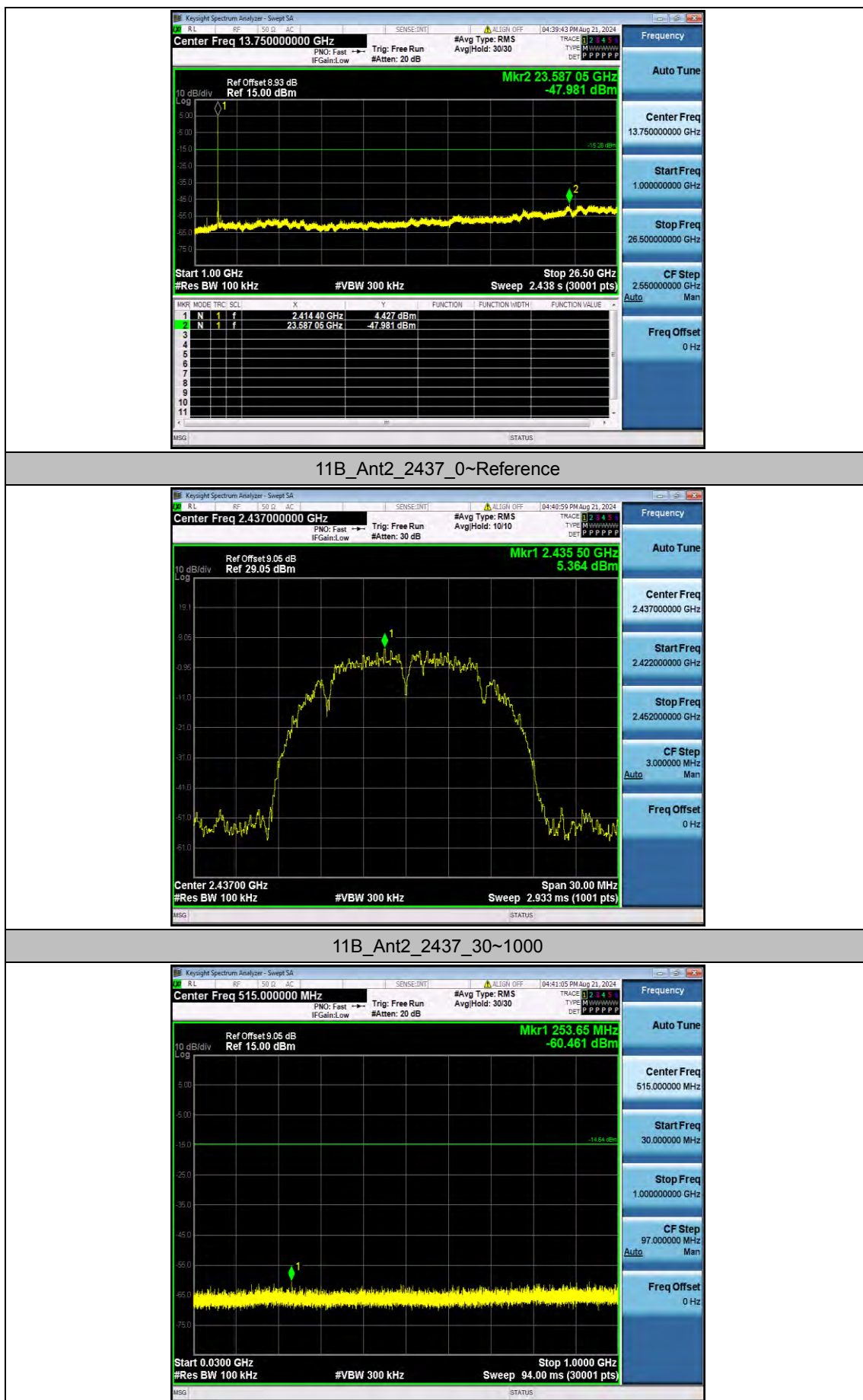
Appendix C.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	4.72	4.72	---	PASS
			30~1000	4.72	-61.16	≤ -15.28	PASS
			1000~26500	4.72	-47.98	≤ -15.28	PASS
		2437	Reference	5.36	5.36	---	PASS
			30~1000	5.36	-60.46	≤ -14.64	PASS
			1000~26500	5.36	-47.83	≤ -14.64	PASS
		2462	Reference	5.40	5.40	---	PASS
			30~1000	5.40	-60.57	≤ -14.6	PASS
			1000~26500	5.40	-47.64	≤ -14.6	PASS
11G	Ant2	2412	Reference	-0.03	-0.03	---	PASS
			30~1000	-0.03	-60.82	≤ -20.03	PASS
			1000~26500	-0.03	-48.13	≤ -20.03	PASS
		2437	Reference	1.75	1.75	---	PASS
			30~1000	1.75	-60.5	≤ -18.25	PASS
			1000~26500	1.75	-47.65	≤ -18.25	PASS
		2462	Reference	4.85	4.85	---	PASS
			30~1000	4.85	-60.48	≤ -15.15	PASS
			1000~26500	4.85	-47.8	≤ -15.15	PASS
11N20SISO	Ant2	2412	Reference	2.39	2.39	---	PASS
			30~1000	2.39	-61.02	≤ -17.61	PASS
			1000~26500	2.39	-48.09	≤ -17.61	PASS
		2437	Reference	1.13	1.13	---	PASS
			30~1000	1.13	-60.38	≤ -18.87	PASS
			1000~26500	1.13	-47.71	≤ -18.87	PASS
		2462	Reference	4.27	4.27	---	PASS
			30~1000	4.27	-59.4	≤ -15.73	PASS
			1000~26500	4.27	-48.19	≤ -15.73	PASS
11N40SISO	Ant2	2422	Reference	0.62	0.62	---	PASS
			30~1000	0.62	-60.39	≤ -19.38	PASS
			1000~26500	0.62	-47.33	≤ -19.38	PASS
		2437	Reference	1.19	1.19	---	PASS
			30~1000	1.19	-60.65	≤ -18.81	PASS
			1000~26500	1.19	-47.75	≤ -18.81	PASS
		2452	Reference	-1.42	-1.42	---	PASS
			30~1000	-1.42	-60.21	≤ -21.42	PASS
			1000~26500	-1.42	-47.79	≤ -21.42	PASS

Test Graphs





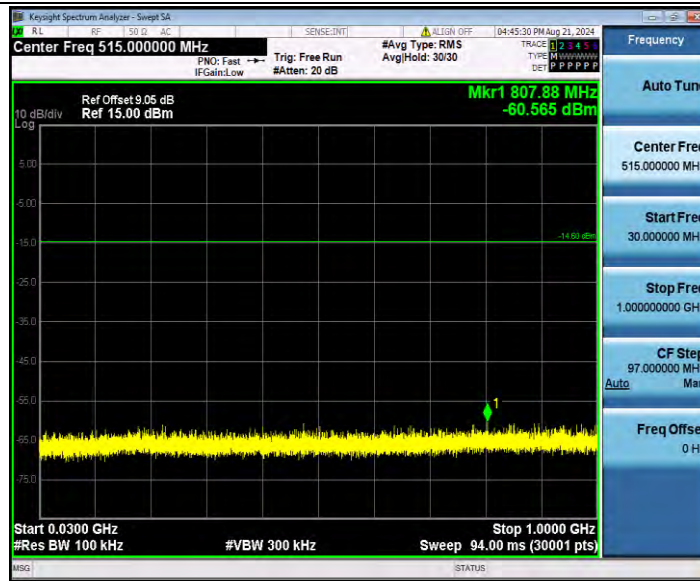
11B_Ant2_2437_1000~26500



11B_Ant2_2462_0~Reference



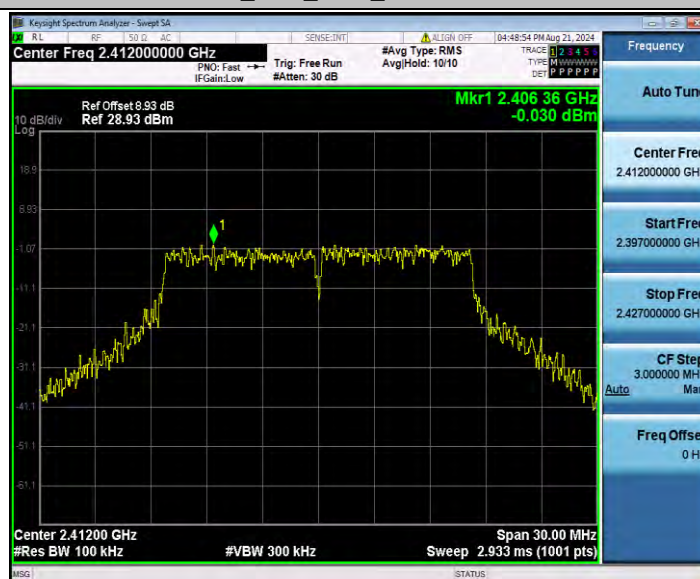
11B_Ant2_2462_30~1000



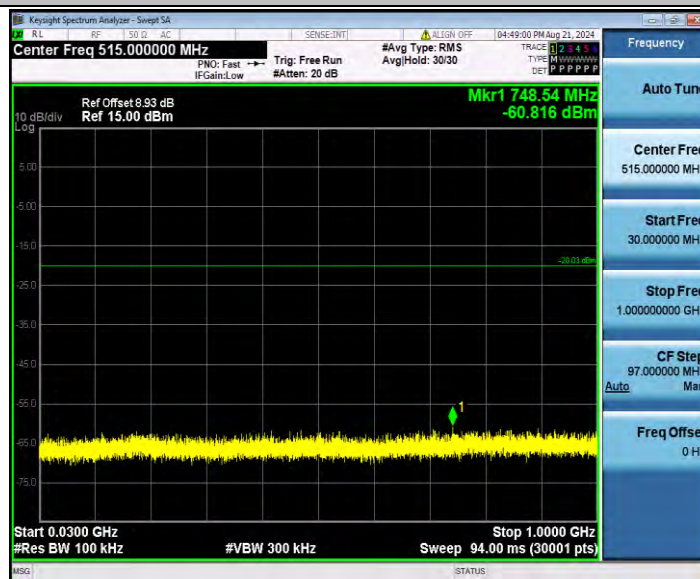
11B_Ant2_2462_1000~26500



11G_Ant2_2412_0~Reference



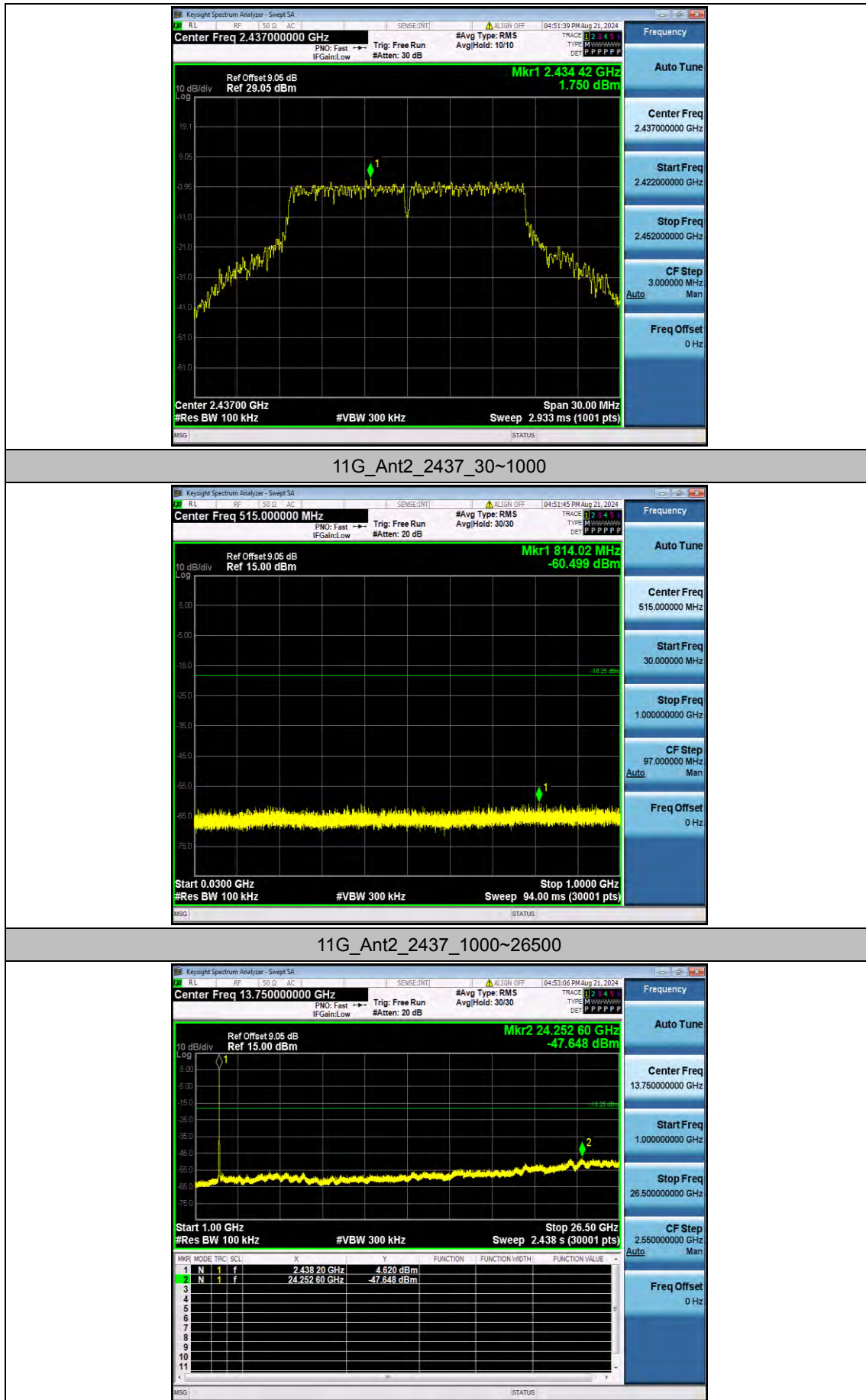
11G_Ant2_2412_30~1000



11G_Ant2_2412_1000~26500



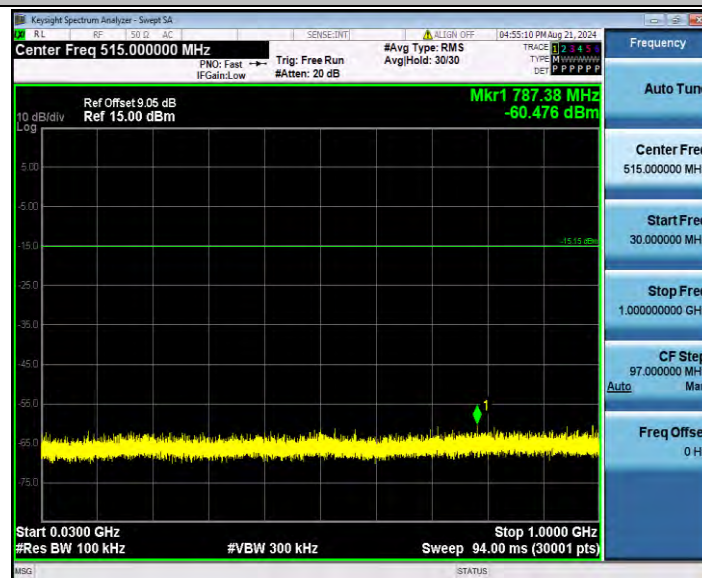
11G_Ant2_2437_0~Reference



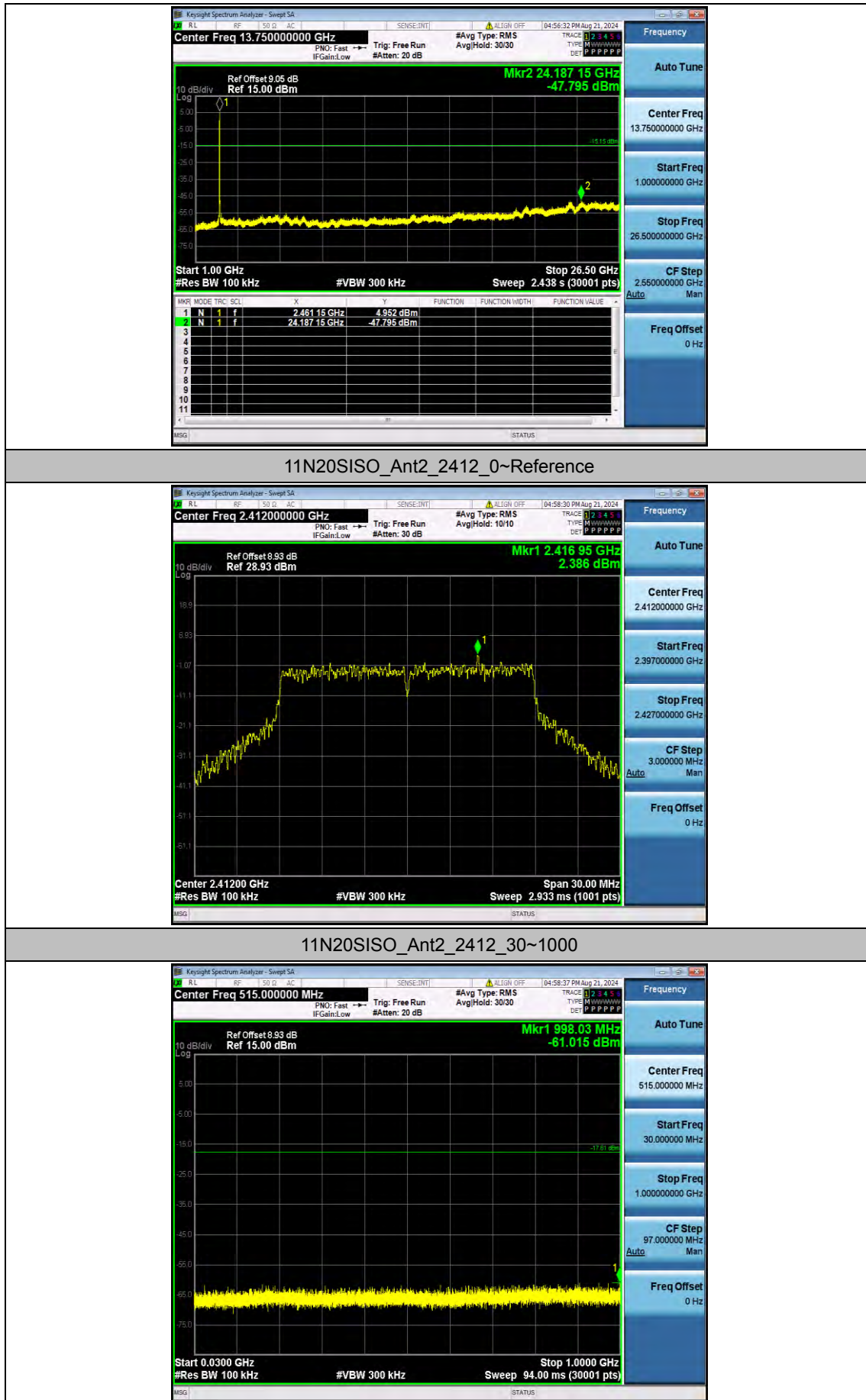
11G_Ant2_2462_0~Reference



11G_Ant2_2462_30~1000



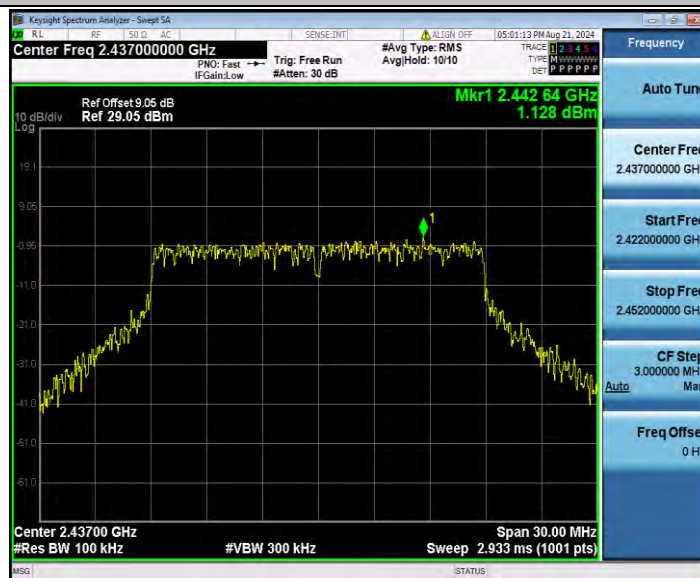
11G_Ant2_2462_1000~26500



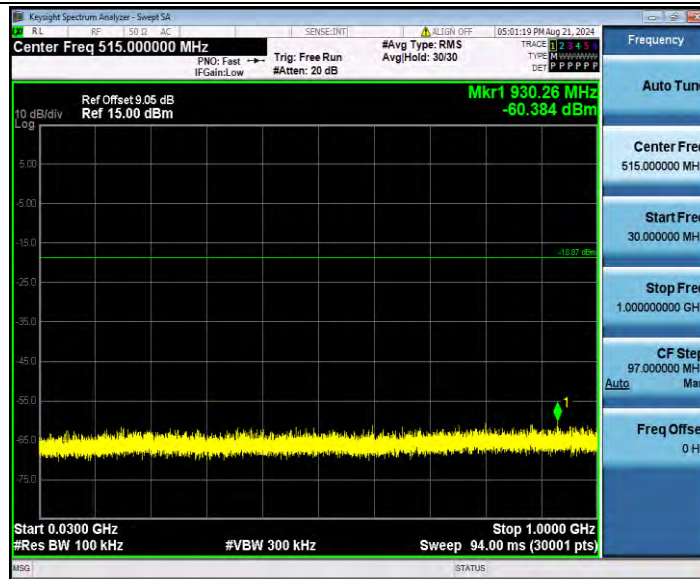
11N20SISO_Ant2_2412_1000~26500



11N20SISO_Ant2_2437_0~Reference



11N20SISO_Ant2_2437_30~1000



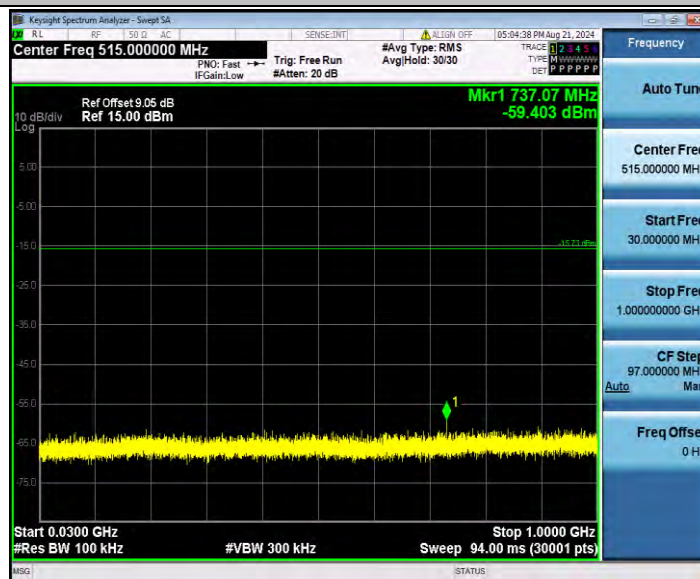
11N20SISO_Ant2_2437_1000~26500



11N20SISO_Ant2_2462_0~Reference



11N20SISO_Ant2_2462_30~1000



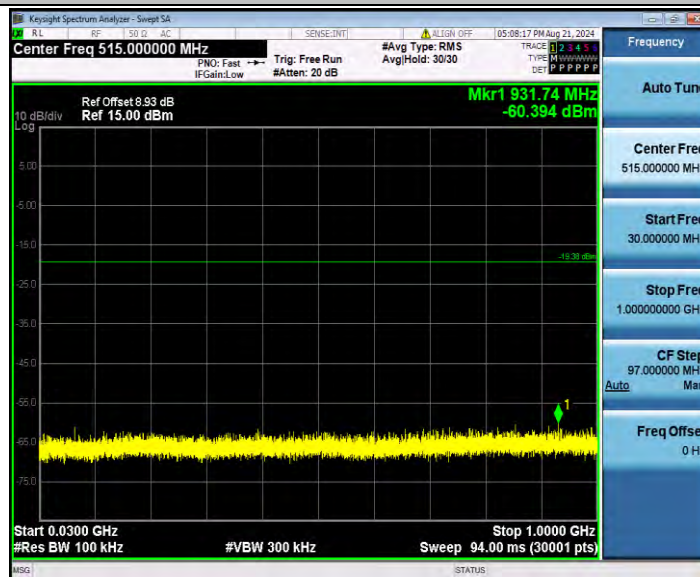
11N20SISO_Ant2_2462_1000~26500



11N40SISO_Ant2_2422_0~Reference



11N40SISO_Ant2_2422_30~1000



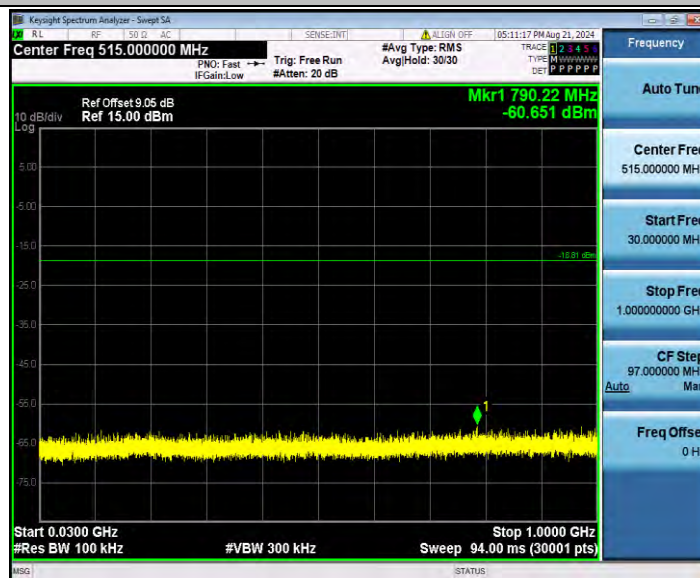
11N40SISO_Ant2_2422_1000~26500



11N40SISO_Ant2_2437_0~Reference



11N40SISO_Ant2_2437_30~1000



11N40SISO_Ant2_2437_1000~26500

