

Case No. : <u>GTS20231018011-1-87</u>	
Ambient Condition: <u>24</u> °C, <u>49</u> %RH,	
Test Date: <u>2024.1.19</u>	Test Engineer: <u>Evan ouyang</u>

Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant0	2412	8.080	2407.960	2416.040	0.5	PASS
		2437	8.040	2433.000	2441.040	0.5	PASS
		2462	8.080	2457.960	2466.040	0.5	PASS
11G	Ant0	2412	15.080	2404.480	2419.560	0.5	PASS
		2437	15.440	2429.440	2444.880	0.5	PASS
		2462	16.280	2453.880	2470.160	0.5	PASS
11N20SISO	Ant0	2412	15.080	2404.480	2419.560	0.5	PASS
		2437	18.520	2427.520	2446.040	0.5	PASS
		2462	16.360	2453.840	2470.200	0.5	PASS
11AX20SISO	Ant0	2412	18.040	2403.440	2421.480	0.5	PASS
		2437	18.560	2427.680	2446.240	0.5	PASS
		2462	18.120	2453.280	2471.400	0.5	PASS

Test Graphs

11B_Ant0_2412



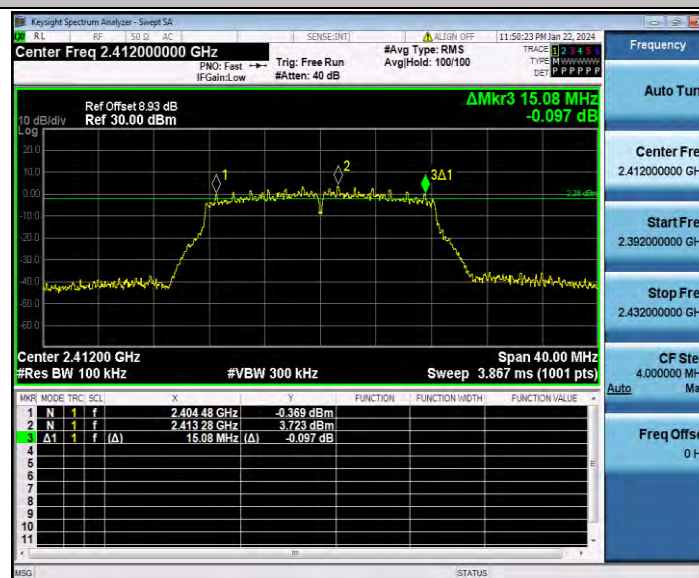
11B_Ant0_2437



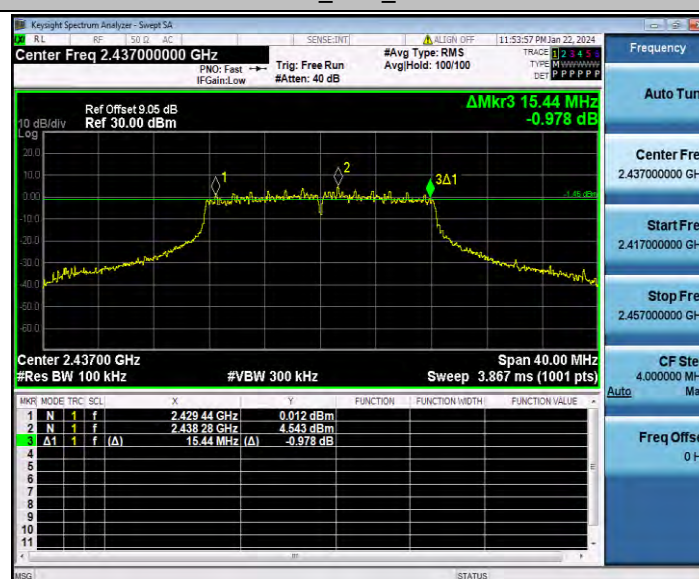
11B_Ant0_2462



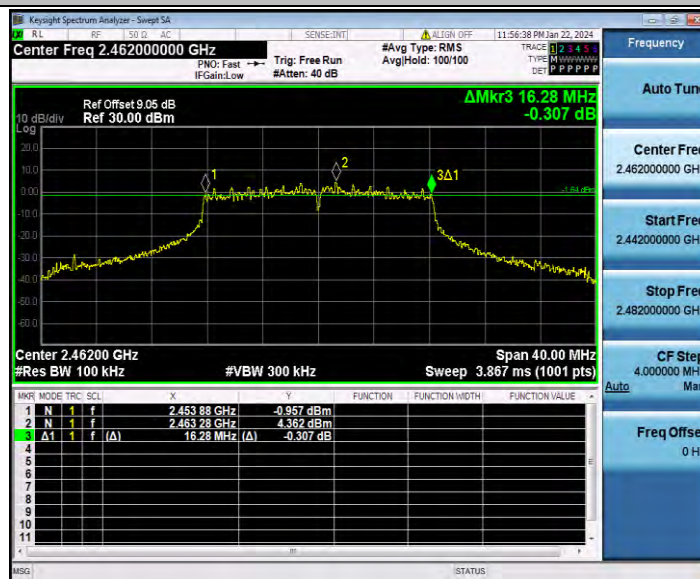
11G_Ant0_2412



11G_Ant0_2437



11G_Ant0_2462



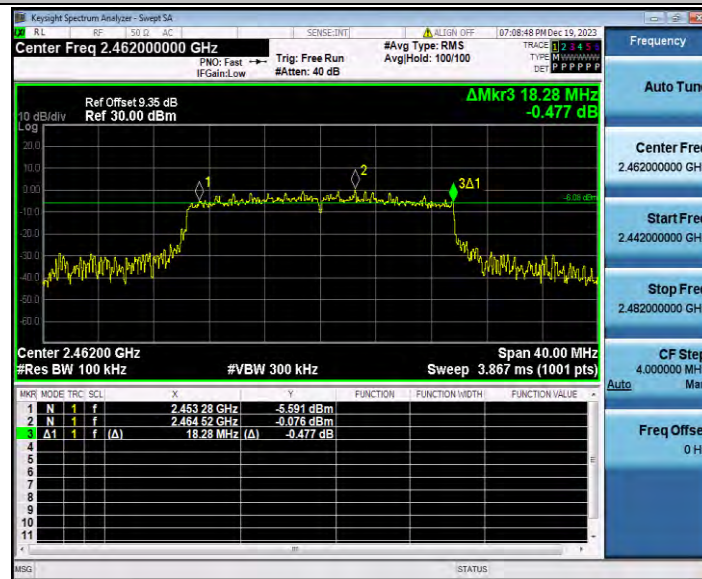
11N20SISO_Ant0_2412



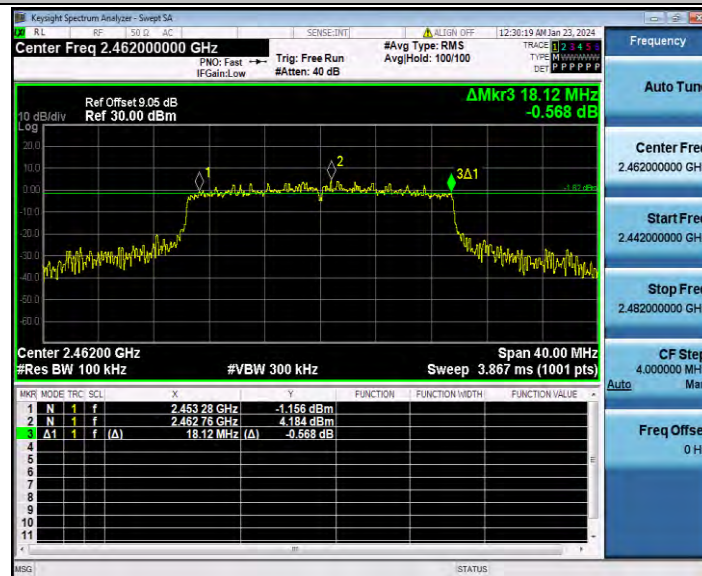
11N20SISO_Ant0_2437



11AX20SISO_Ant0_2437



11AX20SISO_Ant0_2462



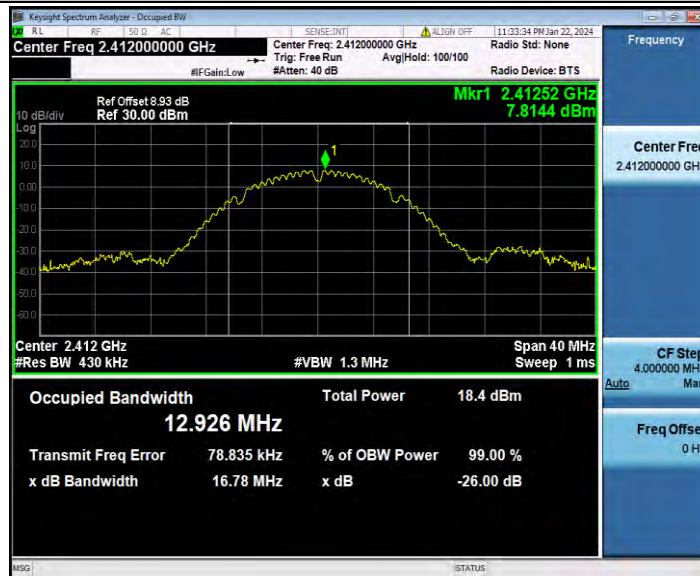
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant0	2412	12.926	2405.6158	2418.5418	---	---
		2437	13.076	2430.4724	2443.5484	---	---
		2462	13.237	2455.3684	2468.6054	---	---
11G	Ant0	2412	16.646	2403.7010	2420.3470	---	---
		2437	17.179	2428.3827	2445.5617	---	---
		2462	17.154	2453.3574	2470.5114	---	---
11N20SISO	Ant0	2412	16.675	2403.7043	2420.3793	---	---
		2437	19.160	2427.4124	2446.5724	---	---
		2462	17.312	2453.3153	2470.6273	---	---
11AX20SISO	Ant0	2412	18.823	2402.6386	2421.4616	---	---
		2437	19.138	2427.477	2446.615	---	---
		2462	19.102	2452.4758	2471.5778	---	---

Test Graphs

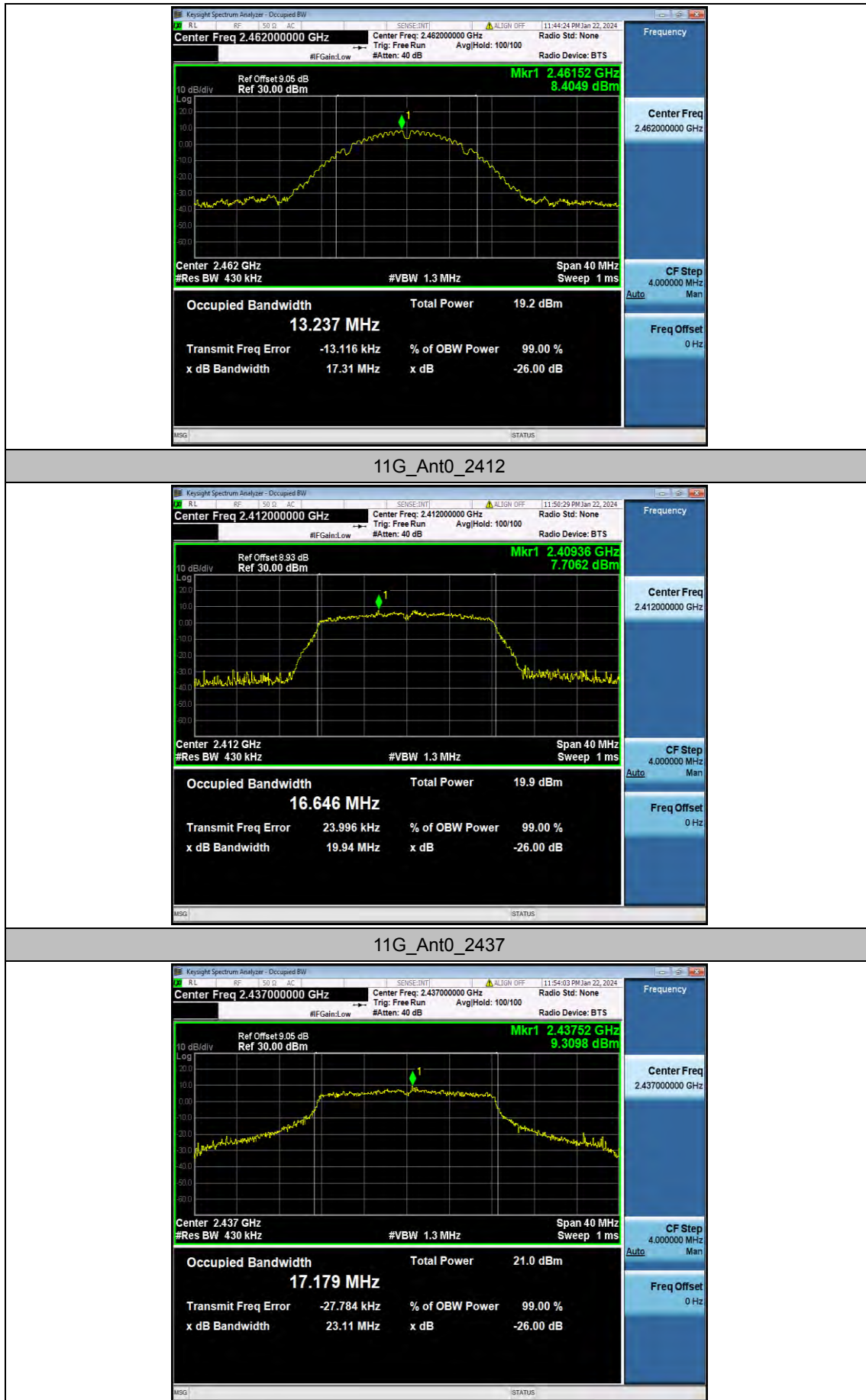
11B_Ant0_2412



11B_Ant0_2437



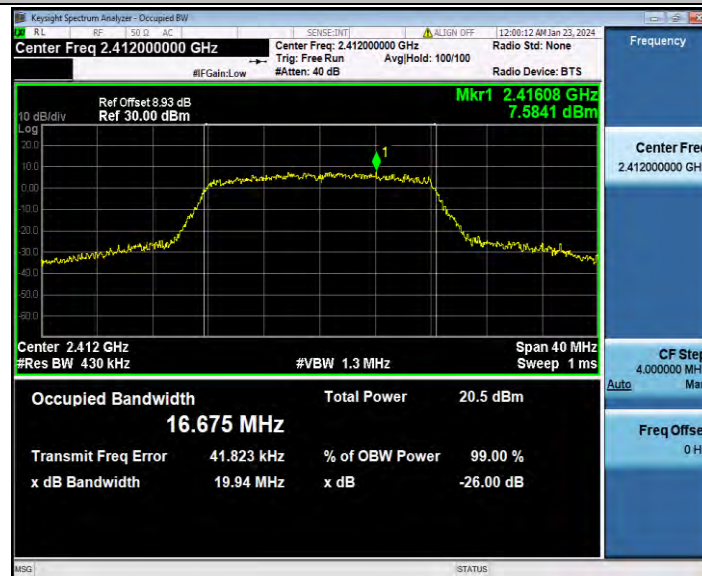
11B_Ant0_2462



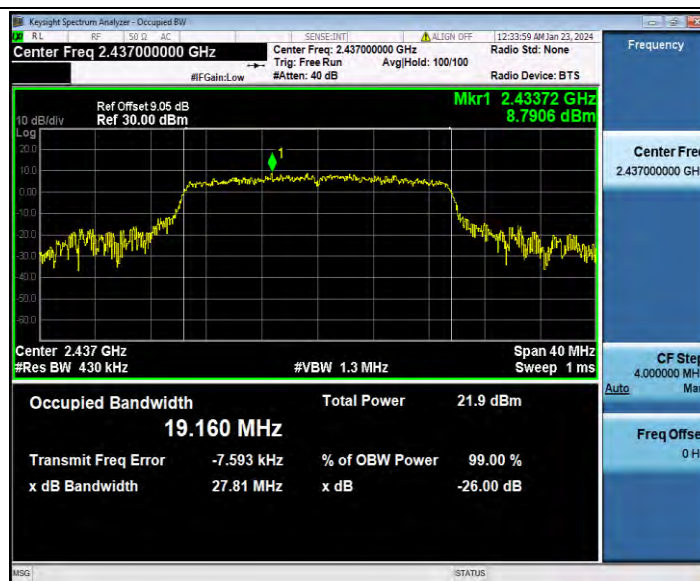
11G_Ant0_2462



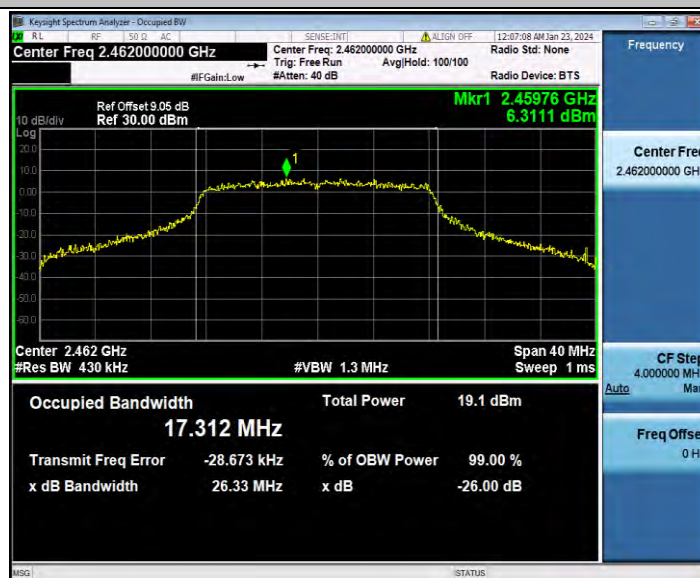
11N20SISO_Ant0_2412



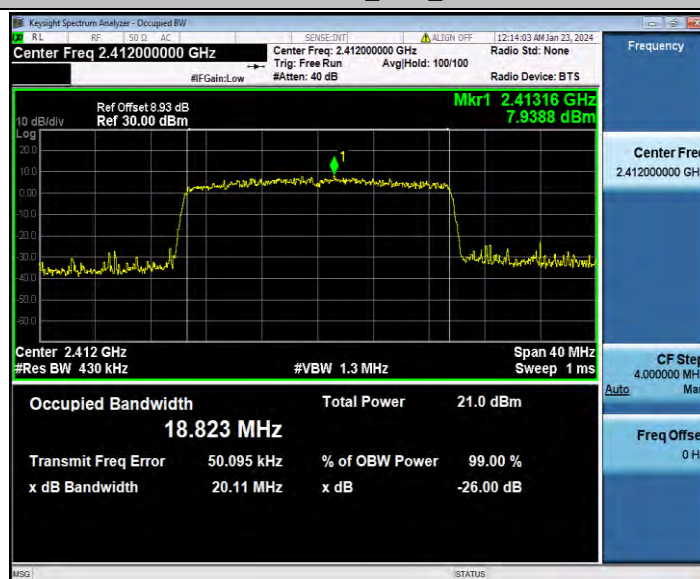
11N20SISO_Ant0_2437



11N20SISO_Ant0_2462



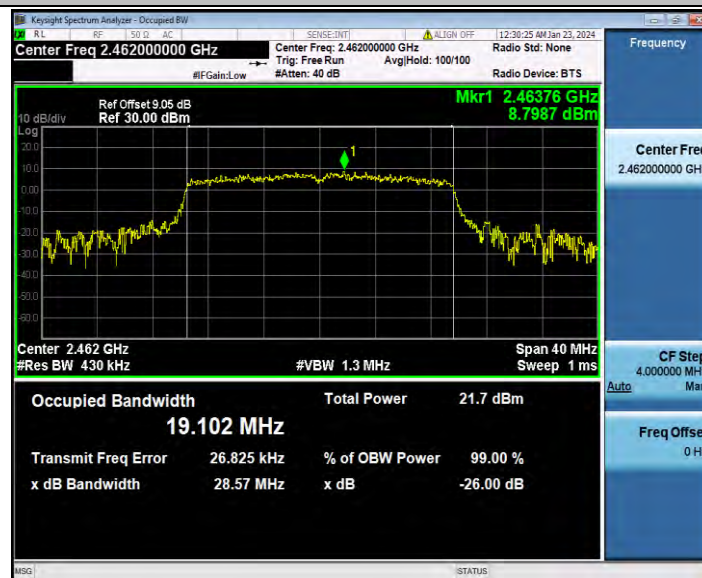
11AX20SISO_Ant0_2412



11AX20SISO_Ant0_2437



11AX20SISO_Ant0_2462



Appendix C.3: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant0	2412	18.46	0	0	18.46	≤30.00	PASS
		2437	19.13	0	0	19.13	≤30.00	PASS
		2462	19.20	0	0	19.20	≤30.00	PASS
11G	Ant0	2412	21.16	0	0	21.16	≤30.00	PASS
		2437	22.02	0	0	22.02	≤30.00	PASS
		2462	21.83	0	0	21.83	≤30.00	PASS
11N20SI SO	Ant0	2412	21.28	0	0	21.28	≤30.00	PASS
		2437	22.33	0	0	22.33	≤30.00	PASS
		2462	19.84	0	0	19.84	≤30.00	PASS
11AX20S ISO	Ant0	2412	21.37	0	0	21.37	≤30.00	PASS
		2437	21.41	0	0	21.41	≤30.00	PASS
		2462	22.21	0	0	22.21	≤30.00	PASS

Note:

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

Appendix C.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant0	2412	-8.18	≤8.00	PASS
		2437	4.99	≤8.00	PASS
		2462	-7.53	≤8.00	PASS
11G	Ant0	2412	-11.37	≤8.00	PASS
		2437	-10.89	≤8.00	PASS
		2462	-11.36	≤8.00	PASS
11N20SISO	Ant0	2412	-11.40	≤8.00	PASS
		2437	-11.47	≤8.00	PASS
		2462	-13.17	≤8.00	PASS
11AX20SISO	Ant0	2412	-11.69	≤8.00	PASS
		2437	-15.29	≤8.00	PASS
		2462	-11.59	≤8.00	PASS

Note:

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

Test Graphs

11B_Ant0_2412



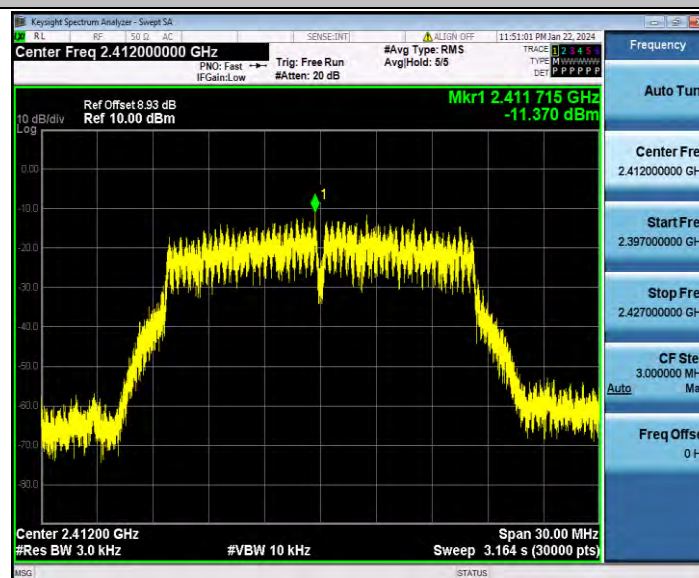
11B_Ant0_2437



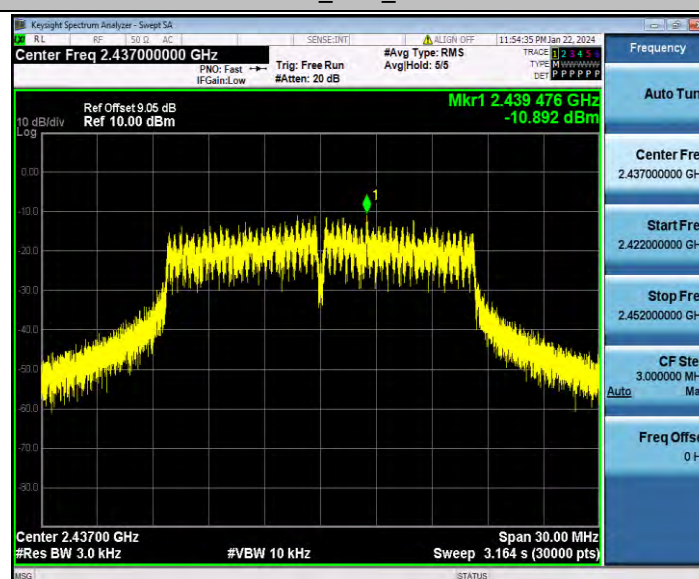
11B_Ant0_2462



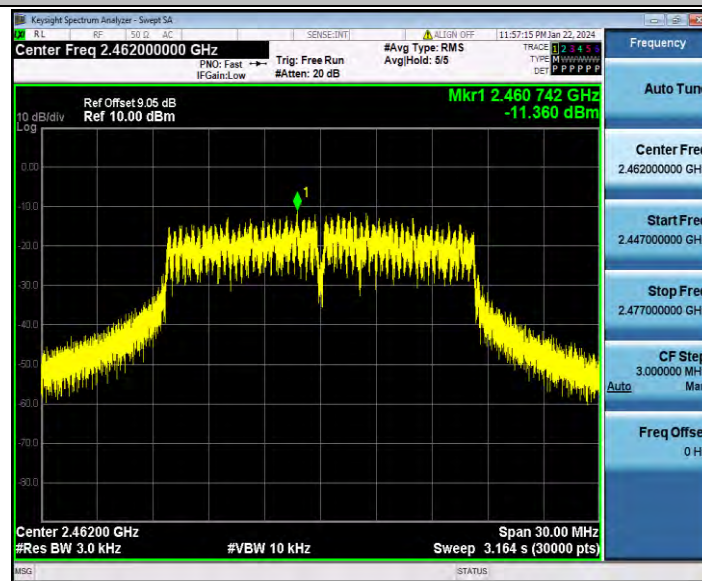
11G_Ant0_2412



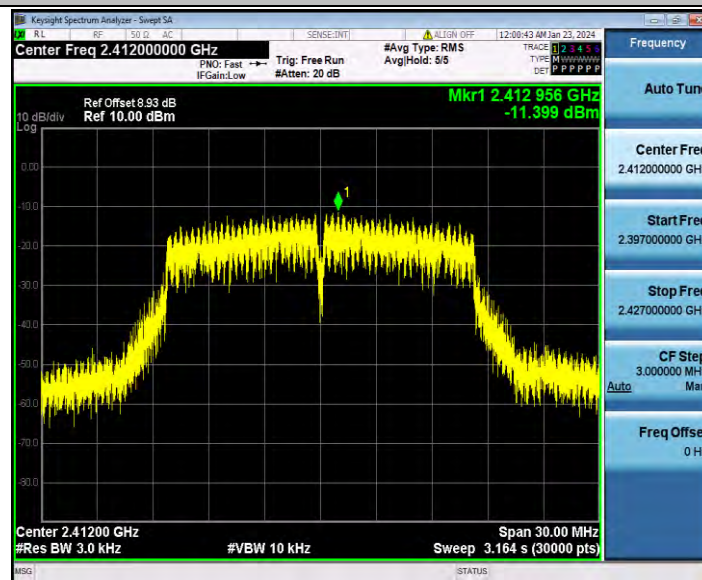
11G_Ant0_2437



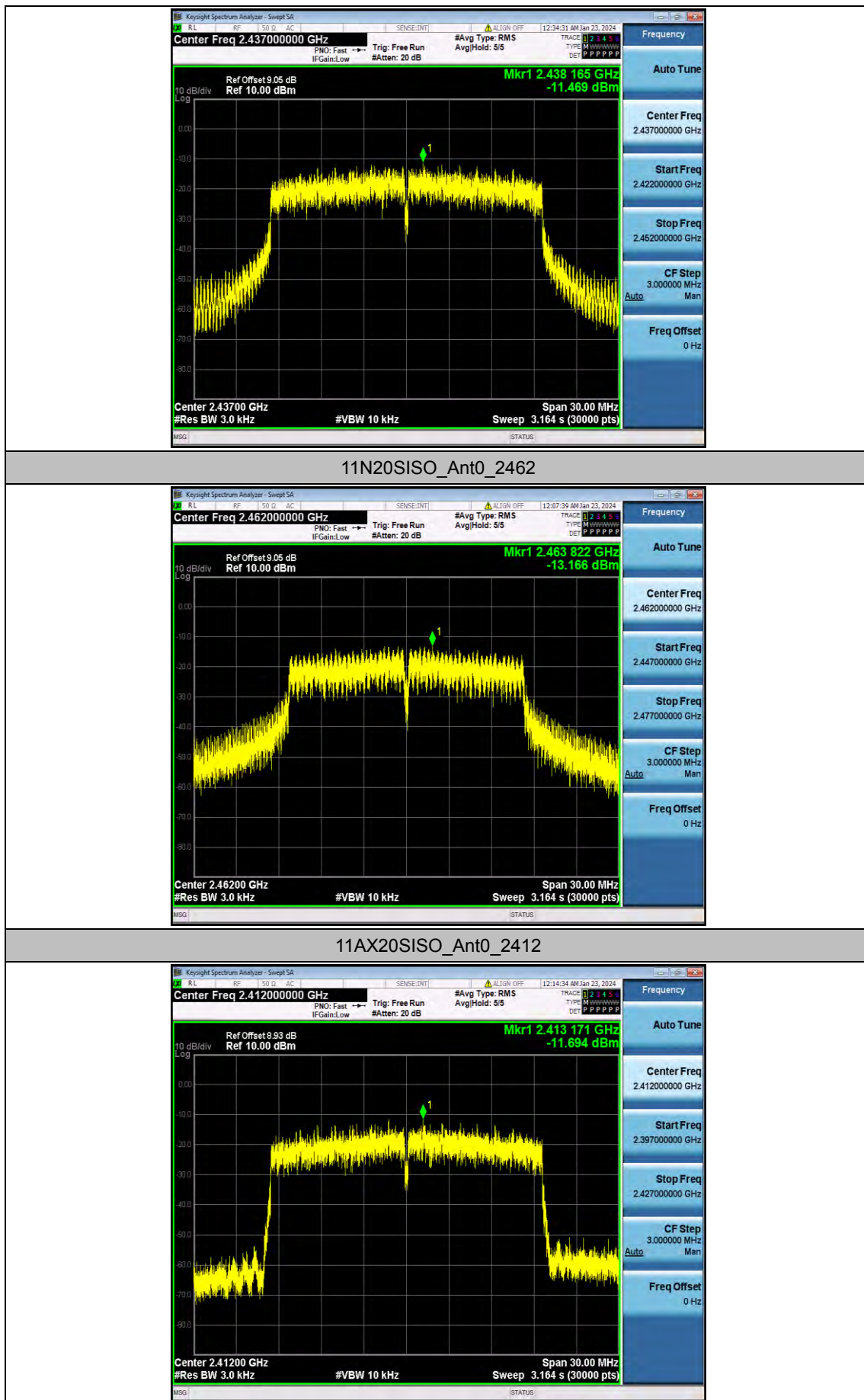
11G_Ant0_2462



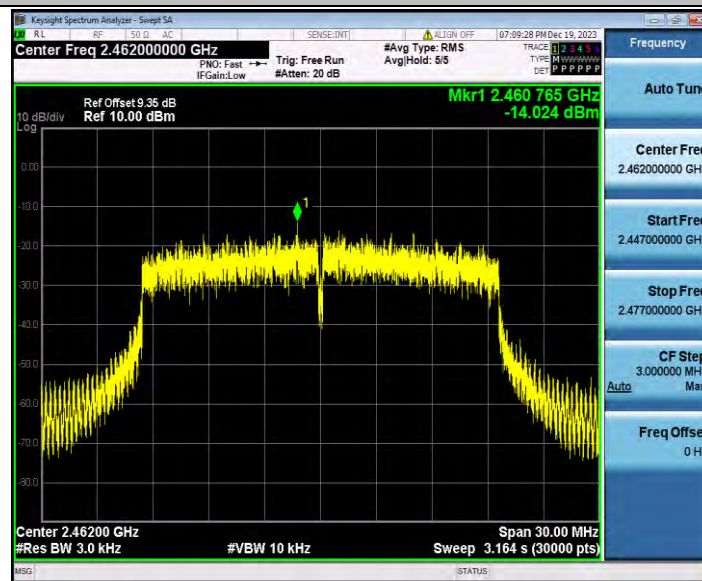
11N20SISO_Ant0_2412



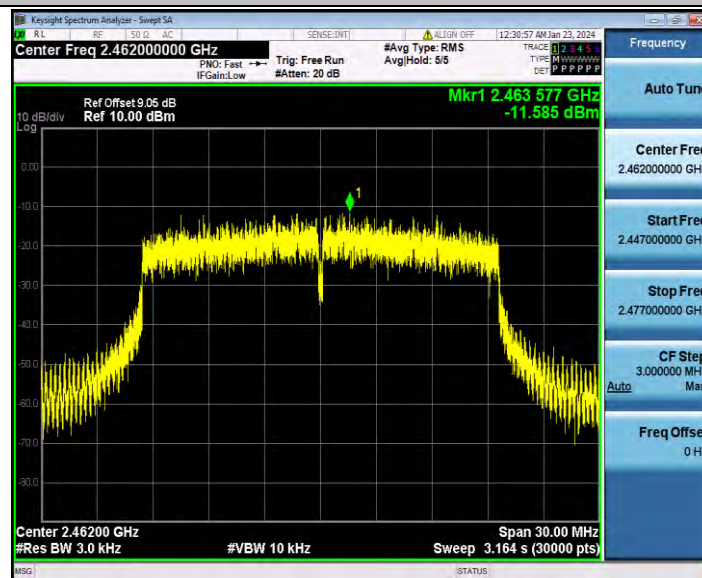
11N20SISO_Ant0_2437



11AX20SISO_Ant0_2437



11AX20SISO_Ant0_2462



Appendix C.5: Band edge measurements

Test Result

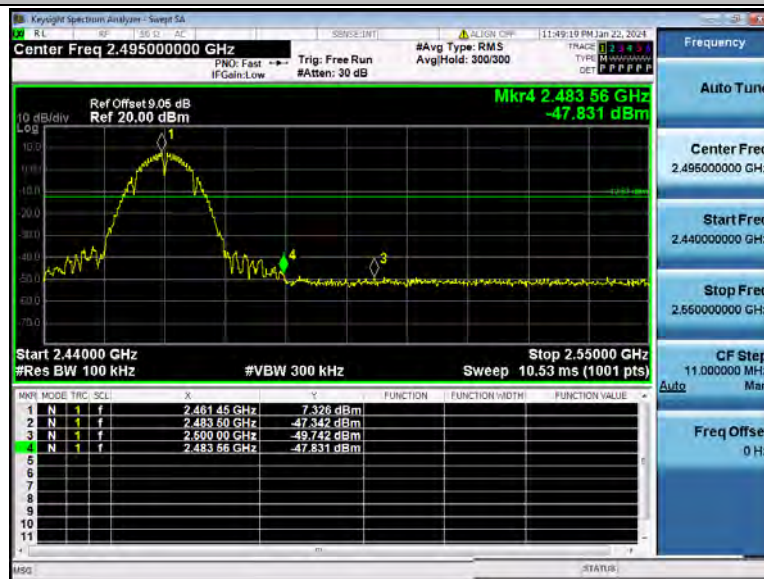
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant0	Low	2412	6.41	-34.71	≤ -13.6	PASS
		High	2462	7.33	-47.83	≤ -12.67	PASS
11G	Ant0	Low	2412	3.81	-37.7	≤ -16.2	PASS
		High	2462	4.54	-44.46	≤ -15.46	PASS
11N20 SISO	Ant0	Low	2412	4.33	-31.98	≤ -15.67	PASS
		High	2462	3.23	-45.29	≤ -16.77	PASS
11AX20SISO	Ant0	Low	2412	3.76	-35.26	≤ -16.25	PASS
		High	2462	4.30	-37.29	≤ -15.7	PASS

Test Graphs

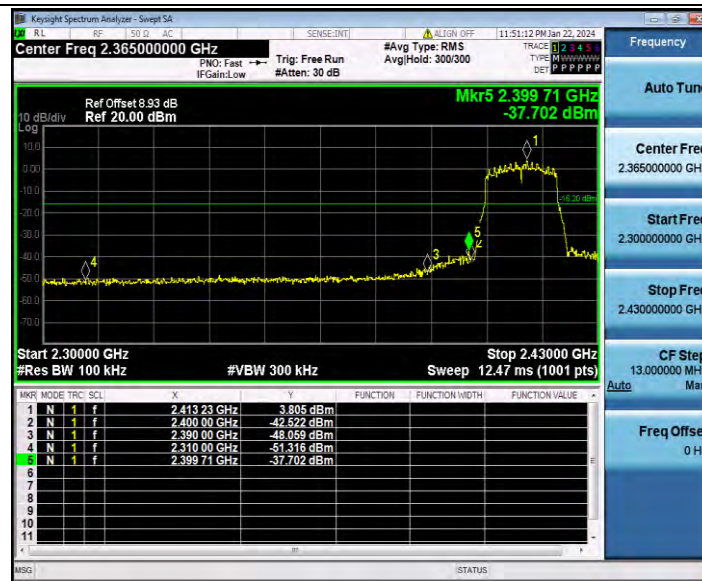
11B_Ant0_Low_2412



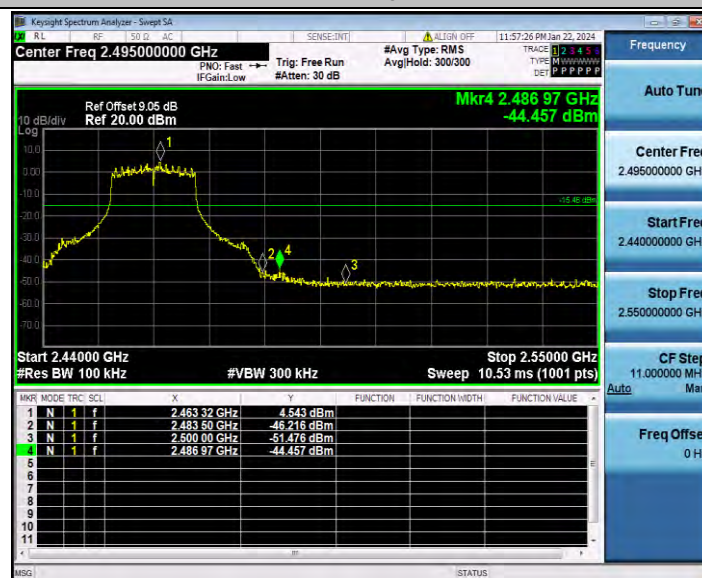
11B_Ant0_High_2462



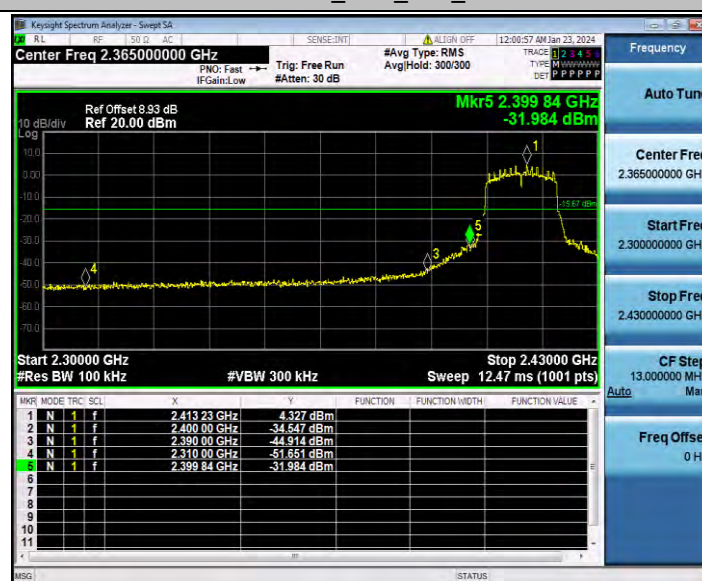
11G_Ant0_Low_2412



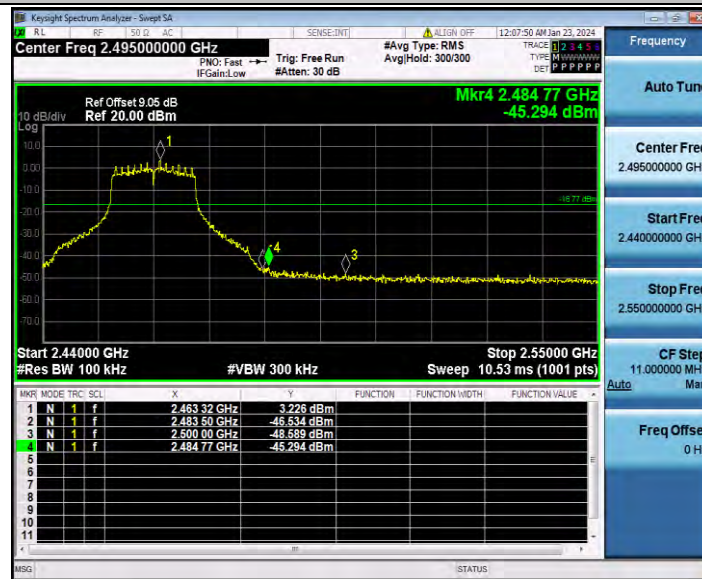
11G_Ant0_High_2462



11N20SISO_Ant0_Low_2412



11N20SISO_Ant0_High_2462



11AX20SISO_Ant0_Low_2412



11AX20SISO_Ant0_High_2462

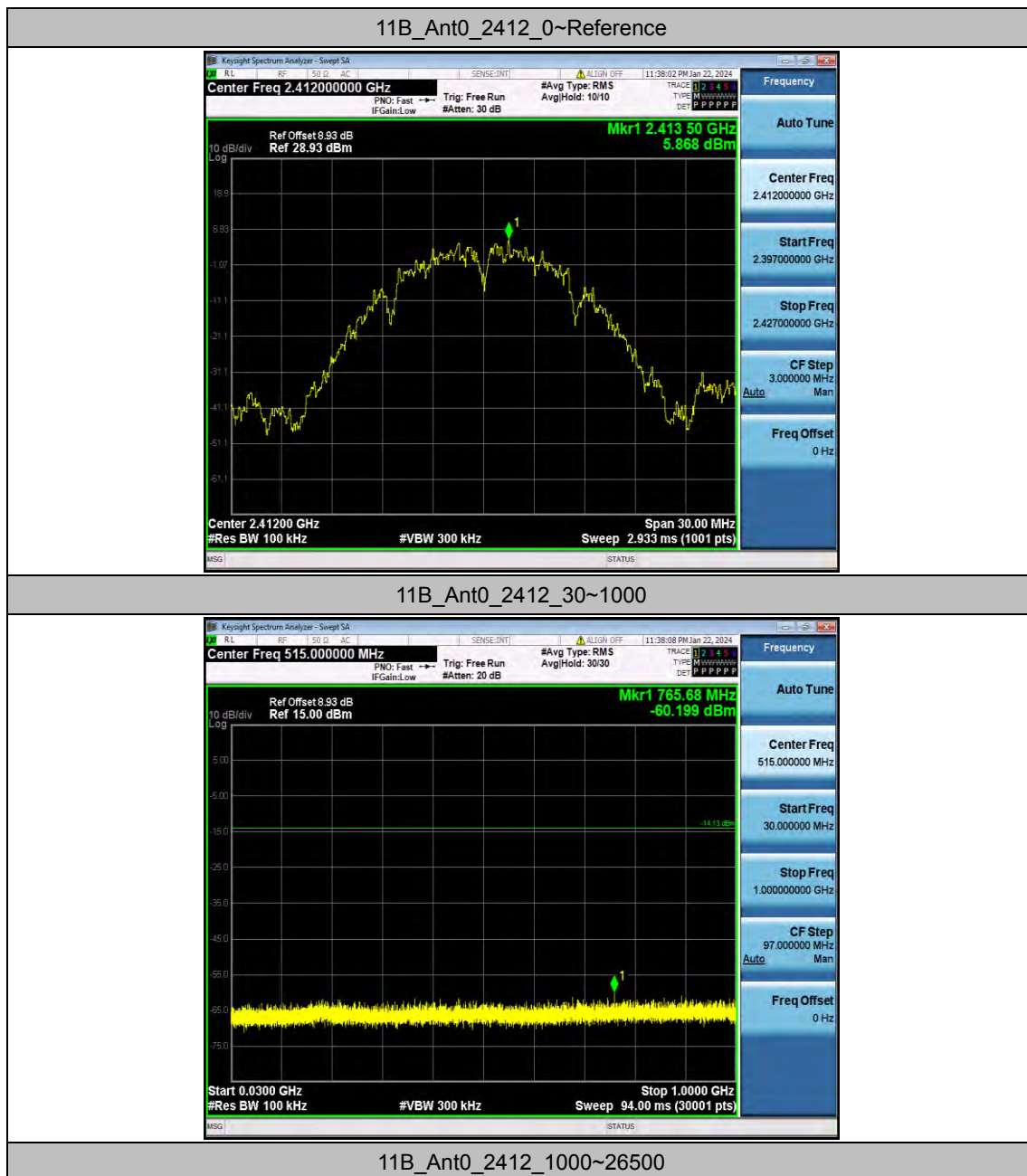


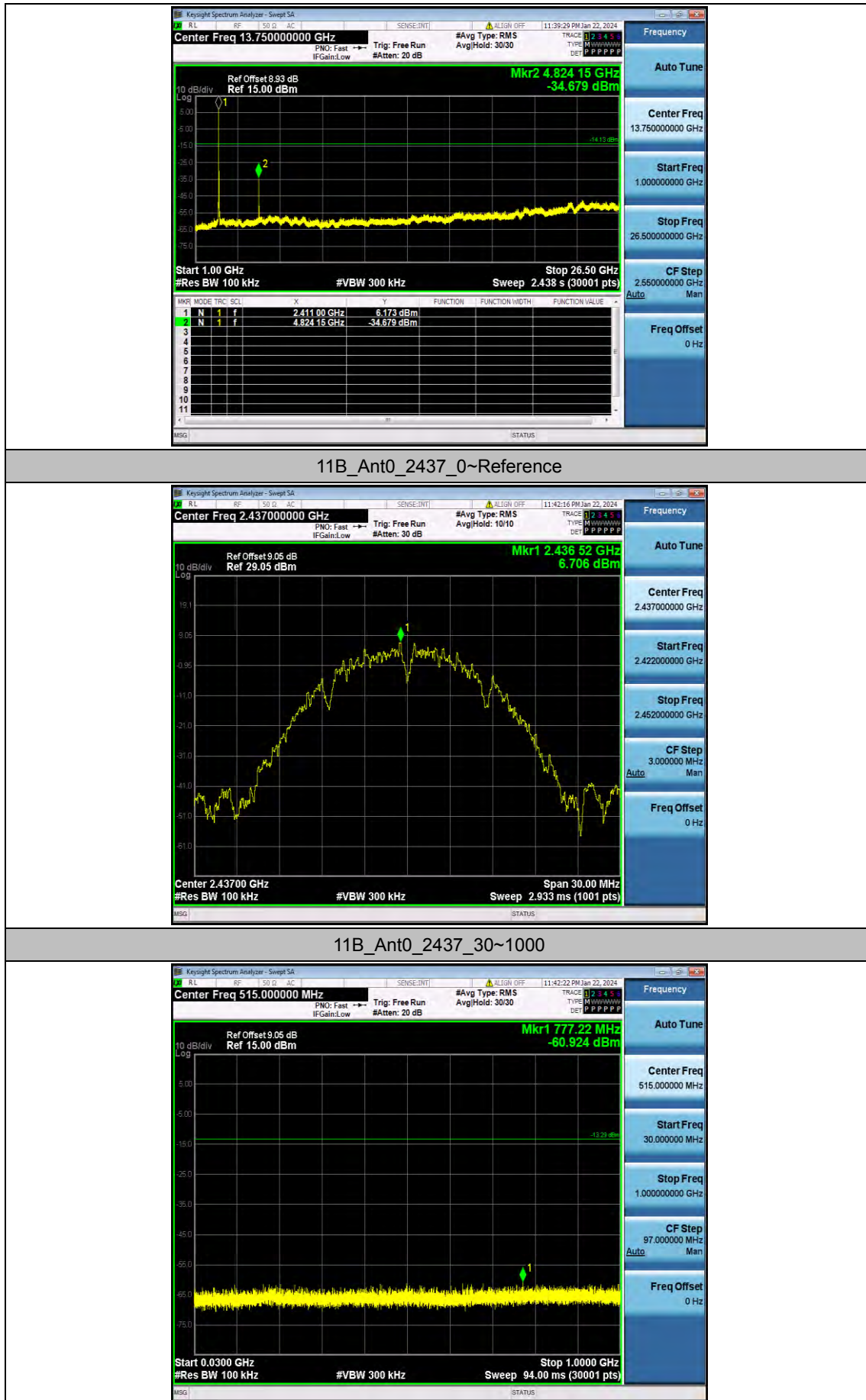
Appendix C.6: Conducted Spurious Emission

Test Result

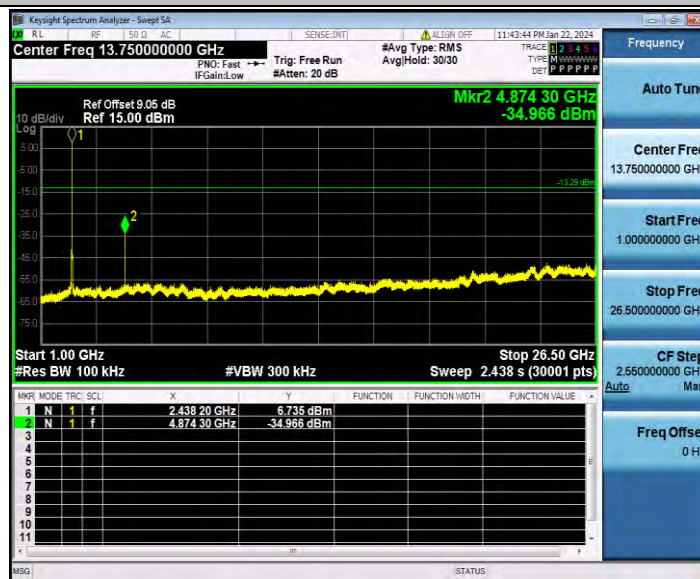
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant0	2412	Reference	5.87	5.87	---	PASS
			30~1000	5.87	-60.2	≤ -14.13	PASS
			1000~26500	5.87	-34.68	≤ -14.13	PASS
		2437	Reference	6.71	6.71	---	PASS
			30~1000	6.71	-60.92	≤ -13.29	PASS
			1000~26500	6.71	-34.97	≤ -13.29	PASS
		2462	Reference	7.18	7.18	---	PASS
			30~1000	7.18	-60.6	≤ -12.82	PASS
			1000~26500	7.18	-34.1	≤ -12.82	PASS
11G	Ant0	2412	Reference	2.85	2.85	---	PASS
			30~1000	2.85	-61.34	≤ -17.15	PASS
			1000~26500	2.85	-41.79	≤ -17.15	PASS
		2437	Reference	3.68	3.68	---	PASS
			30~1000	3.68	-60.68	≤ -16.32	PASS
			1000~26500	3.68	-48.23	≤ -16.32	PASS
		2462	Reference	3.64	3.64	---	PASS
			30~1000	3.64	-60.48	≤ -16.36	PASS
			1000~26500	3.64	-48.2	≤ -16.36	PASS
11N20SISO	Ant0	2412	Reference	4.73	4.73	---	PASS
			30~1000	4.73	-60.5	≤ -15.27	PASS
			1000~26500	4.73	-48.27	≤ -15.27	PASS
		2437	Reference	2.80	2.80	---	PASS
			30~1000	2.80	-60.55	≤ -17.2	PASS
			1000~26500	2.80	-47.76	≤ -17.2	PASS
		2462	Reference	1.86	1.86	---	PASS
			30~1000	1.86	-60.53	≤ -18.14	PASS
			1000~26500	1.86	-47.91	≤ -18.14	PASS
11AX20SISO	Ant0	2412	Reference	2.99	2.99	---	PASS
			30~1000	2.99	-60.42	≤ -17.01	PASS
			1000~26500	2.99	-47.52	≤ -17.01	PASS
		2437	Reference	-0.95	-0.95	---	PASS
			30~1000	-0.95	-60.2	≤ -20.95	PASS
			1000~26500	-0.95	-47.58	≤ -20.95	PASS
		2462	Reference	3.56	3.56	---	PASS
			30~1000	3.56	-59.86	≤ -16.44	PASS
			1000~26500	3.56	-47.7	≤ -16.44	PASS

Test Graphs





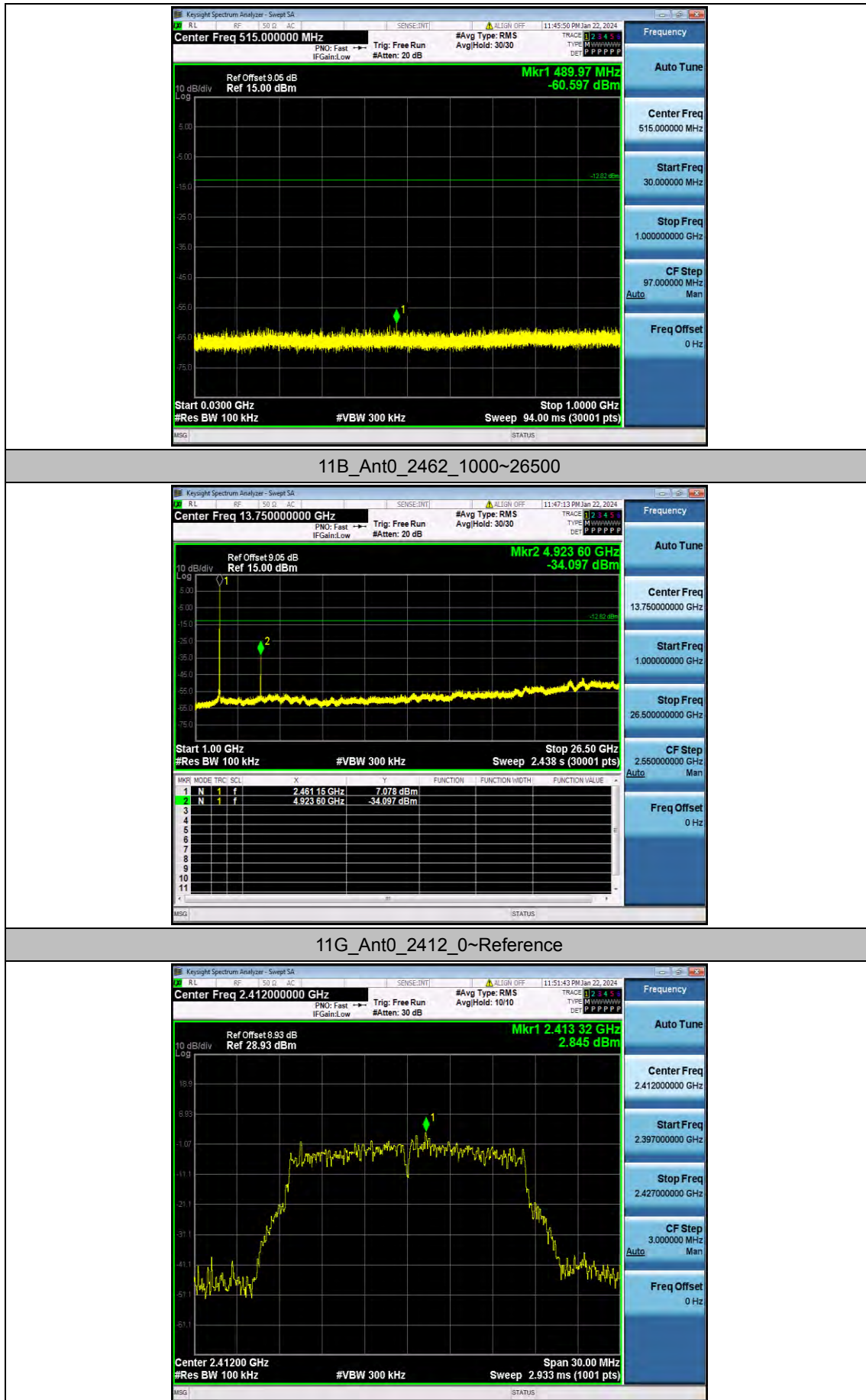
11B_Ant0_2437_1000~26500



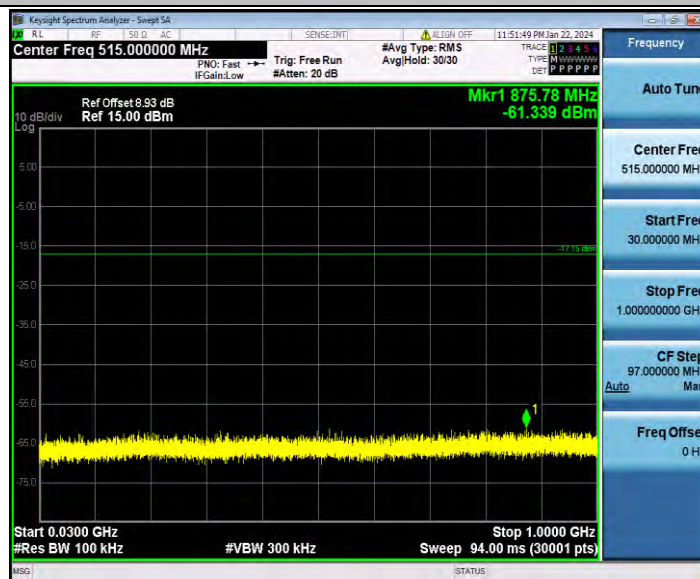
11B_Ant0_2462_0~Reference



11B_Ant0_2462_30~1000



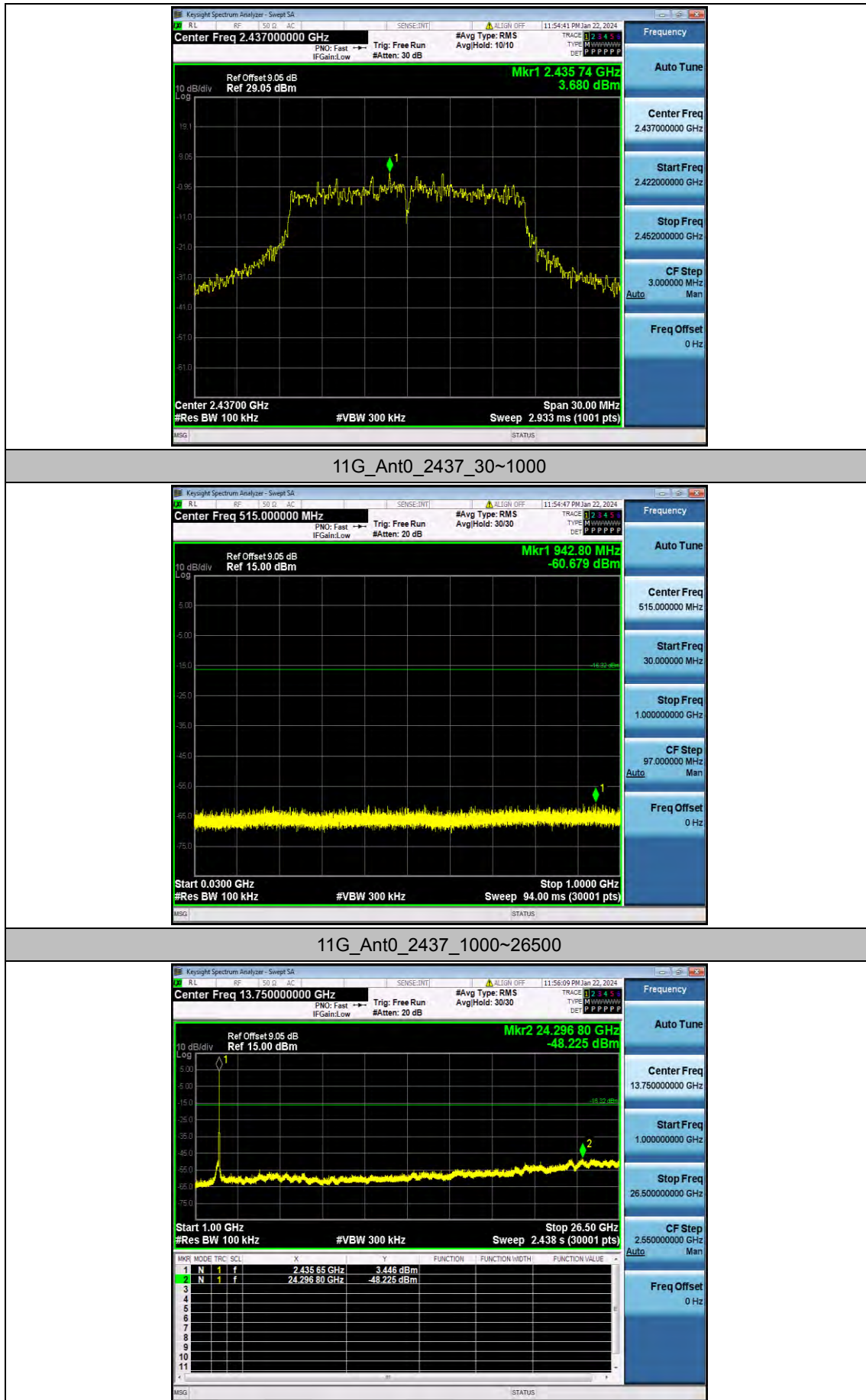
11G_Ant0_2412_30~1000

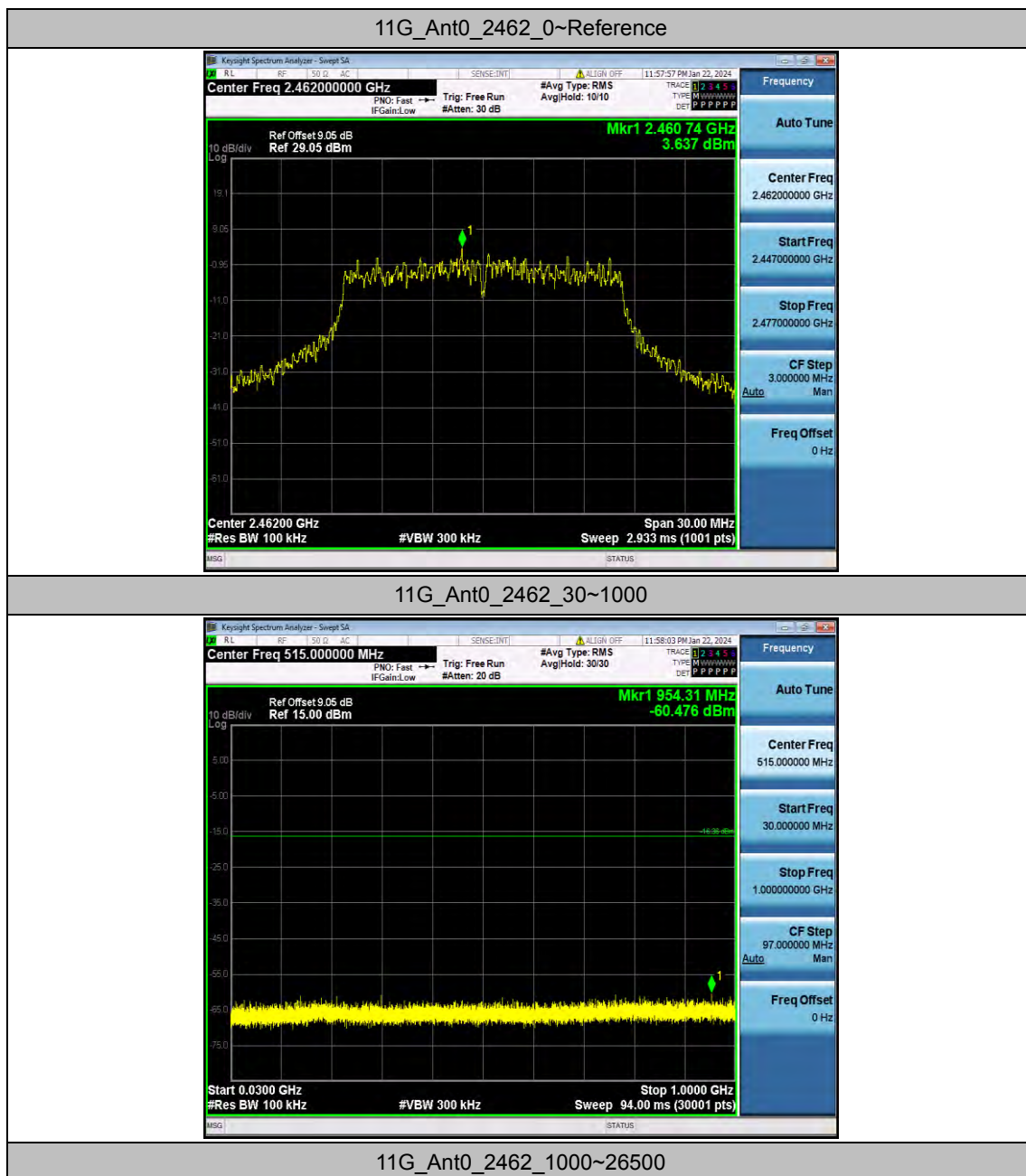


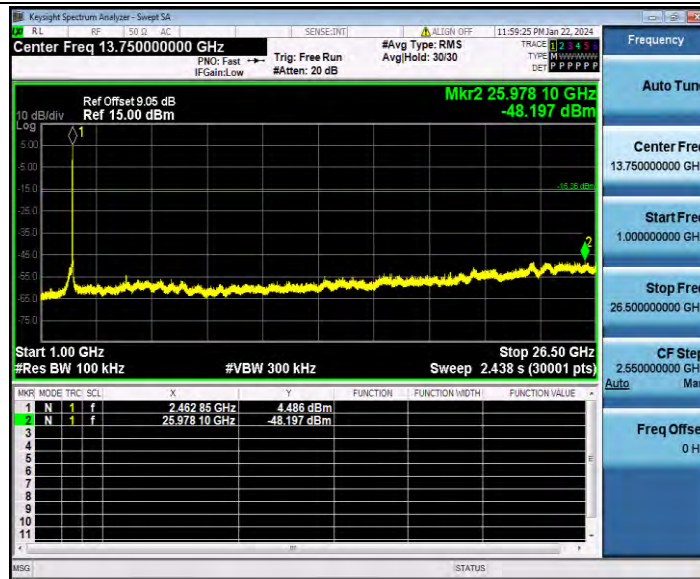
11G_Ant0_2412_1000~26500



11G_Ant0_2437_0~Reference



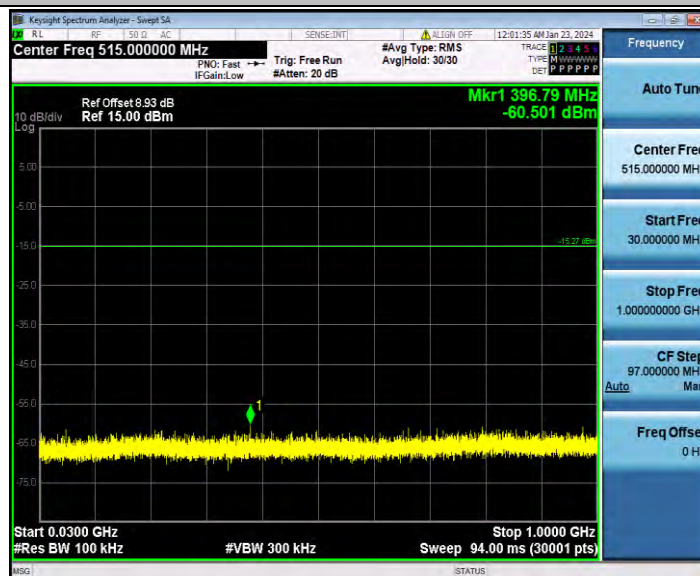




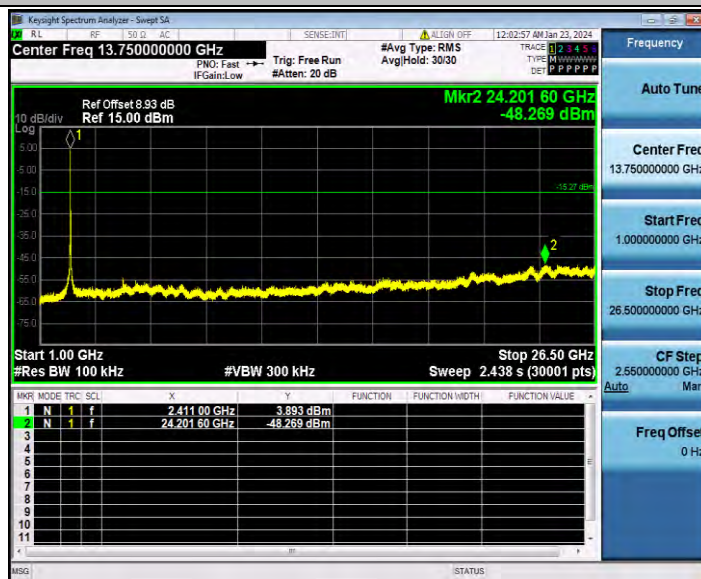
11N20SISO_Ant0_2412_0~Reference



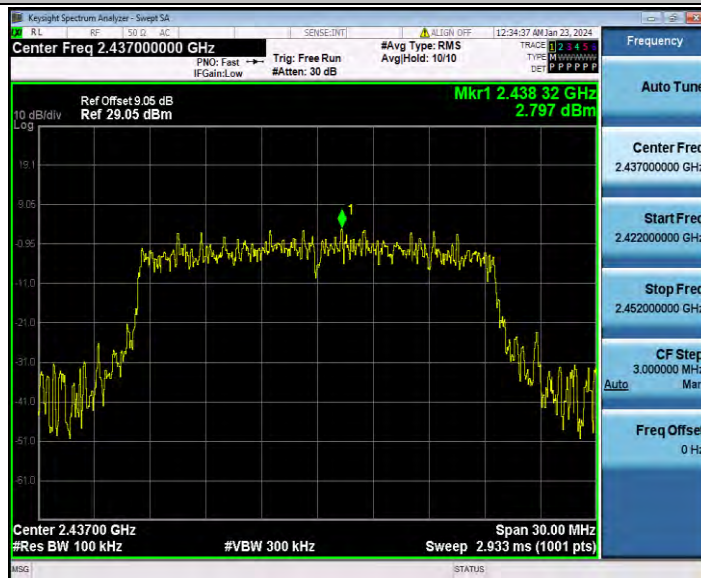
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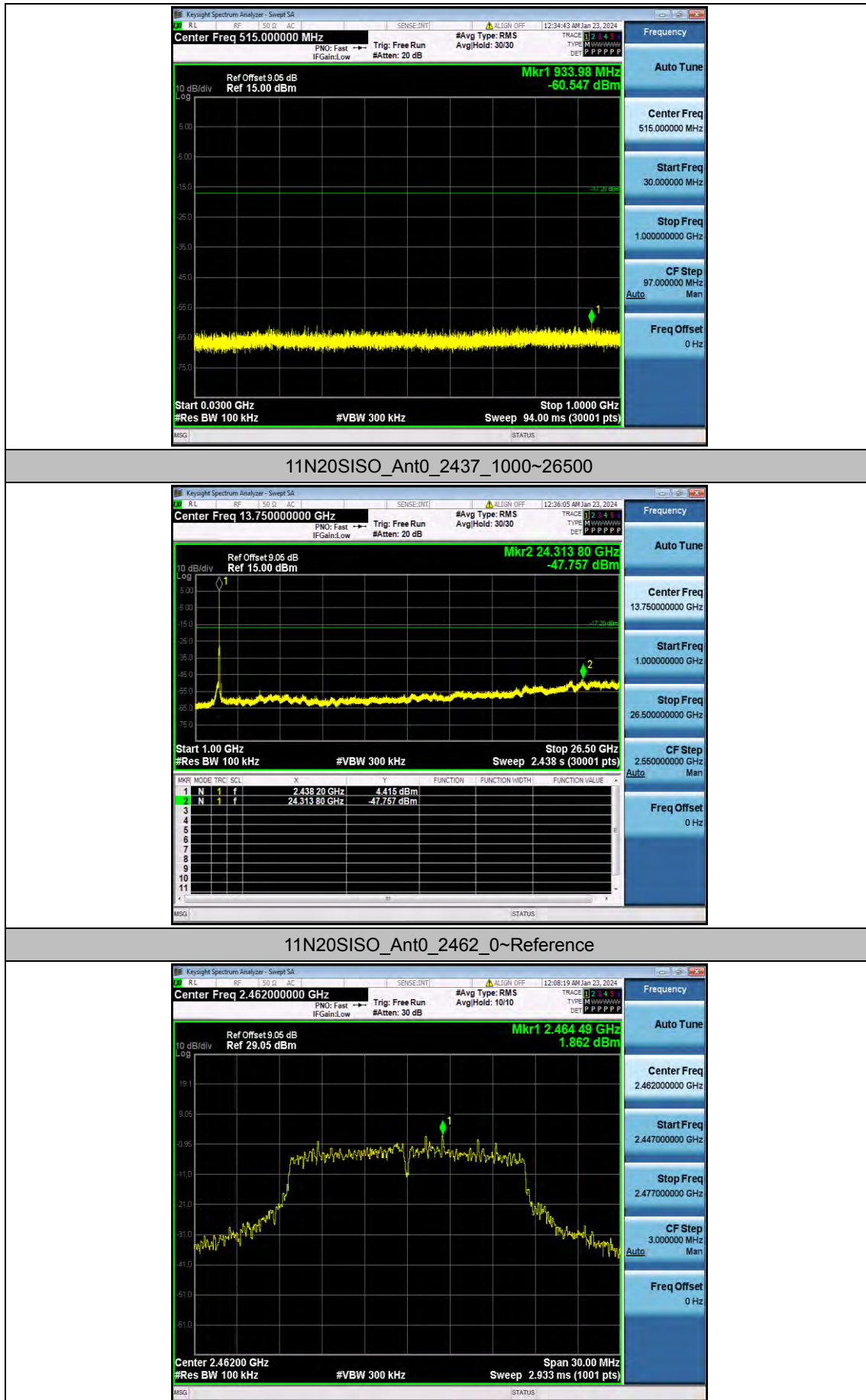
11N20SISO_Ant0_2412_1000~26500



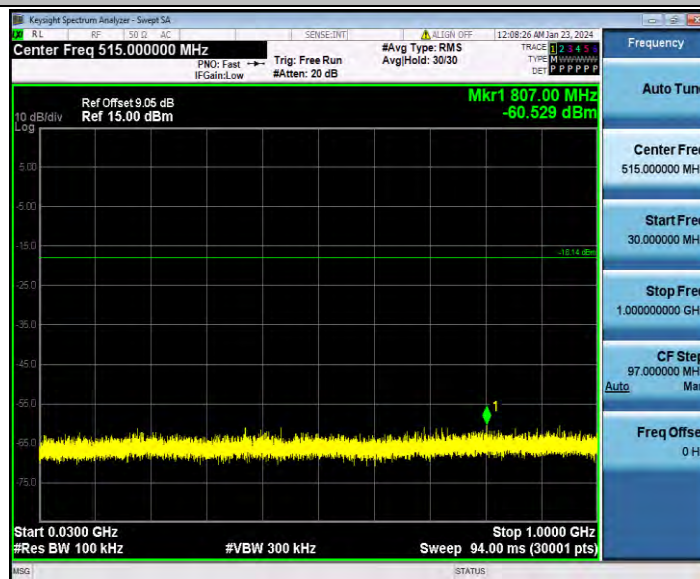
11N20SISO_Ant0_2437_0~Reference



11N20SISO_Ant0_2437_30~1000



11N20SISO_Ant0_2462_30~1000



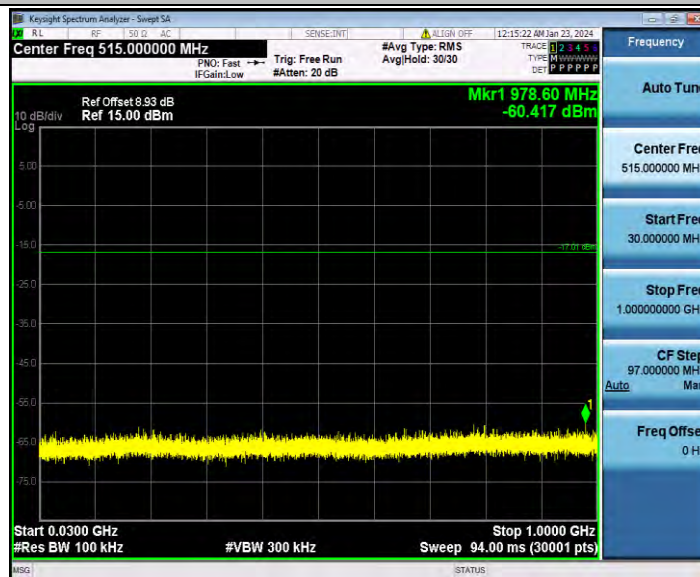
11N20SISO_Ant0_2462_1000~26500



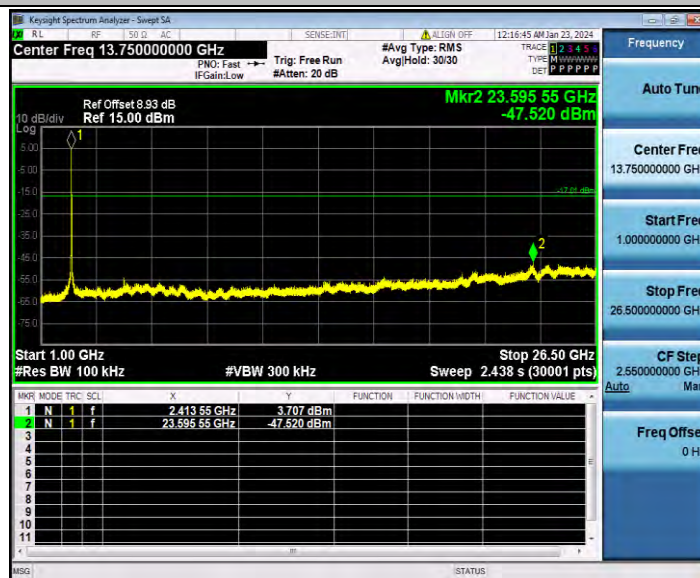
11AX20SISO_Ant0_2412_0~Reference



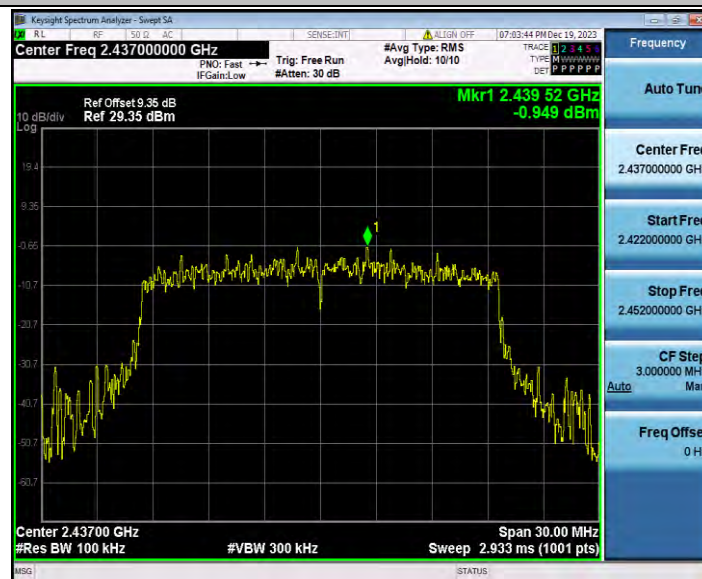
11AX20SISO_Ant0_2412_30~1000



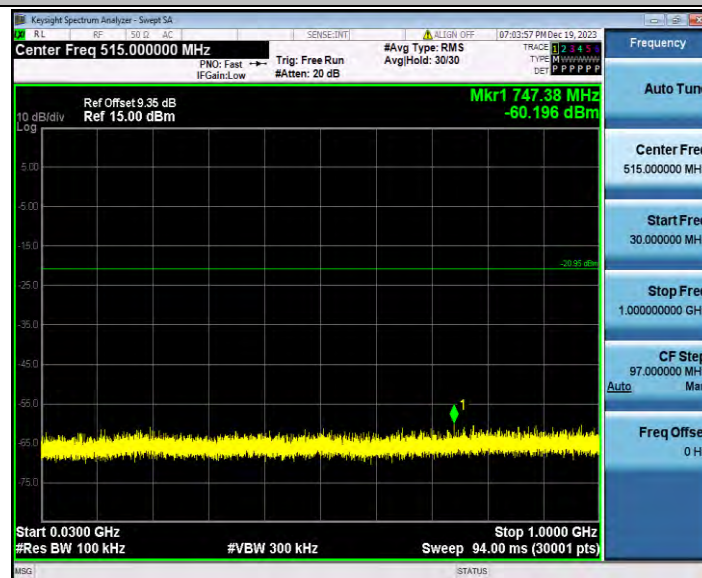
11AX20SISO_Ant0_2412_1000~26500



11AX20SISO_Ant0_2437_0~Reference



11AX20SISO_Ant0_2437_30~1000



11AX20SISO_Ant0_2437_1000~26500

