

Case No. : <u>GTS20231018011-1-87</u>	
Ambient Condition: <u>22</u> °C, <u>47</u> %RH,	
Test Date: <u>2024.1.24</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	Ant1	2412	8.040	2408.000	2416.040	0.5	PASS
		2437	8.080	2432.960	2441.040	0.5	PASS
		2462	8.040	2458.000	2466.040	0.5	PASS
11G	Ant1	2412	15.640	2404.160	2419.800	0.5	PASS
		2437	15.400	2429.440	2444.840	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	15.400	2404.440	2419.840	0.5	PASS
		2437	15.320	2429.520	2444.840	0.5	PASS
		2462	15.920	2453.920	2469.840	0.5	PASS
11AX20SISO	Ant1	2412	17.320	2403.760	2421.080	0.5	PASS
		2437	18.120	2427.720	2445.840	0.5	PASS
		2462	15.120	2454.440	2469.560	0.5	PASS

Test Graphs

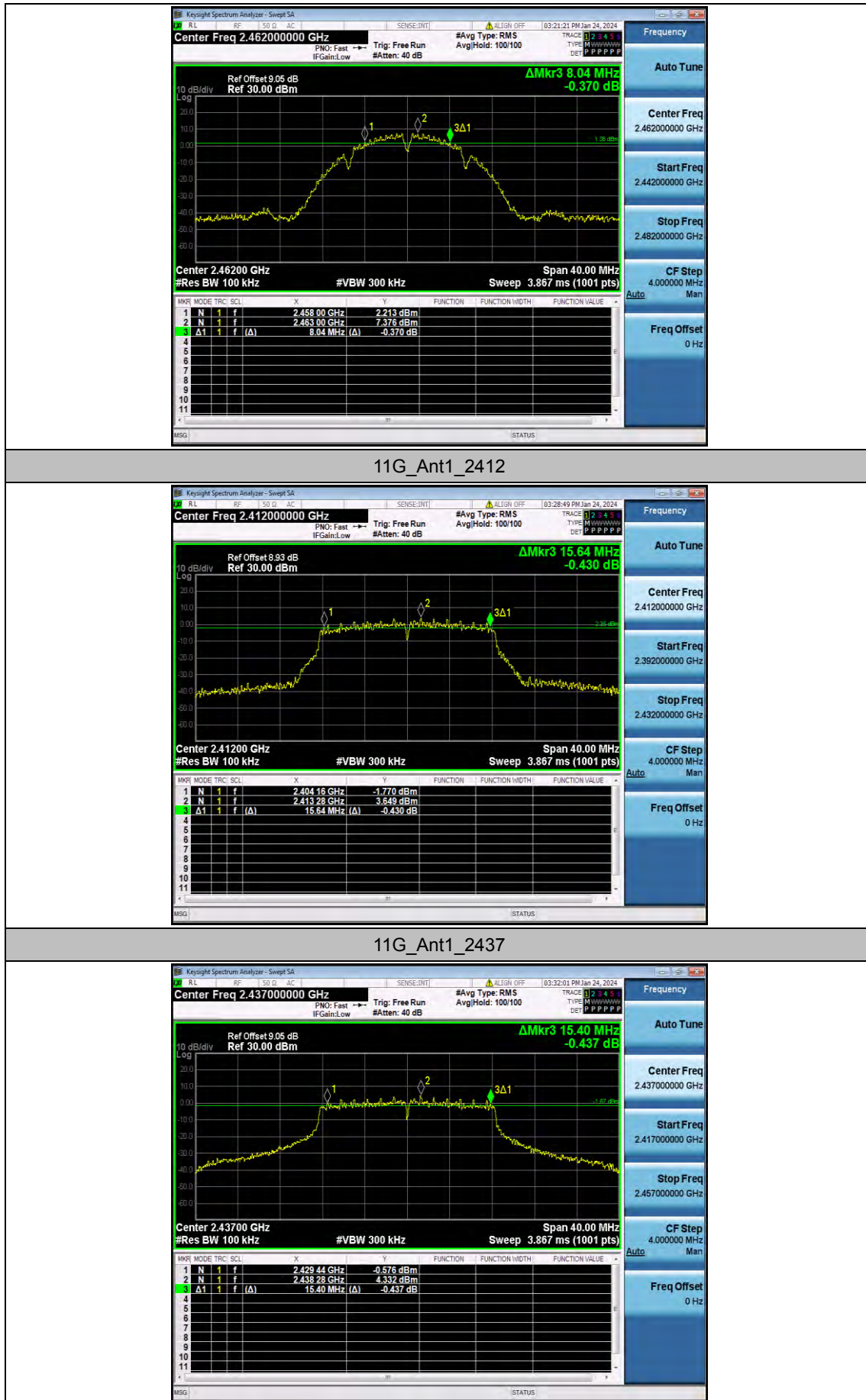
11B_Ant1_2412



11B_Ant1_2437



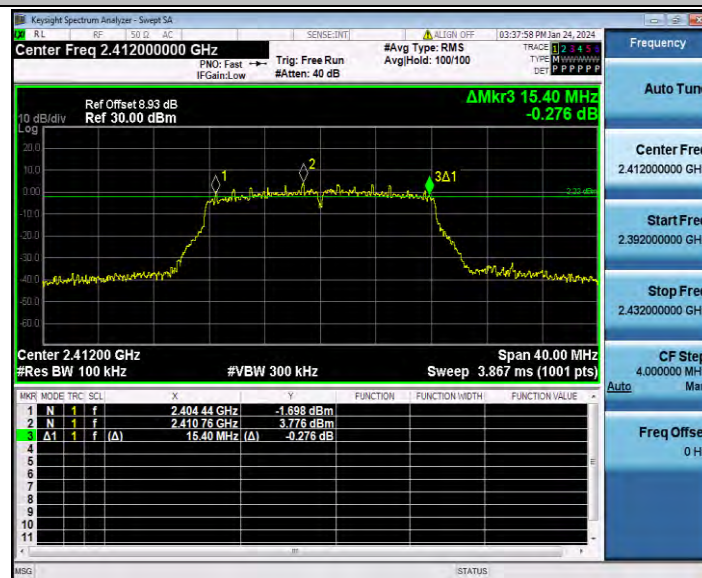
11B_Ant1_2462



11G_Ant1_2462



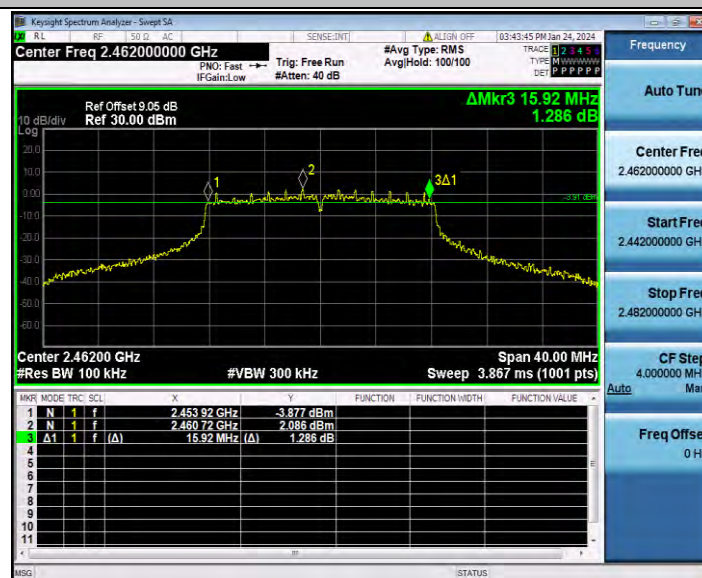
11N20SISO_Ant1_2412



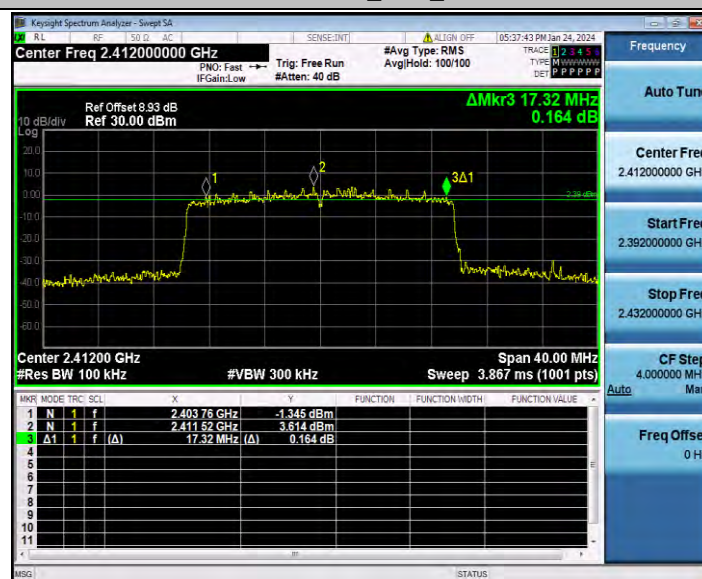
11N20SISO_Ant1_2437



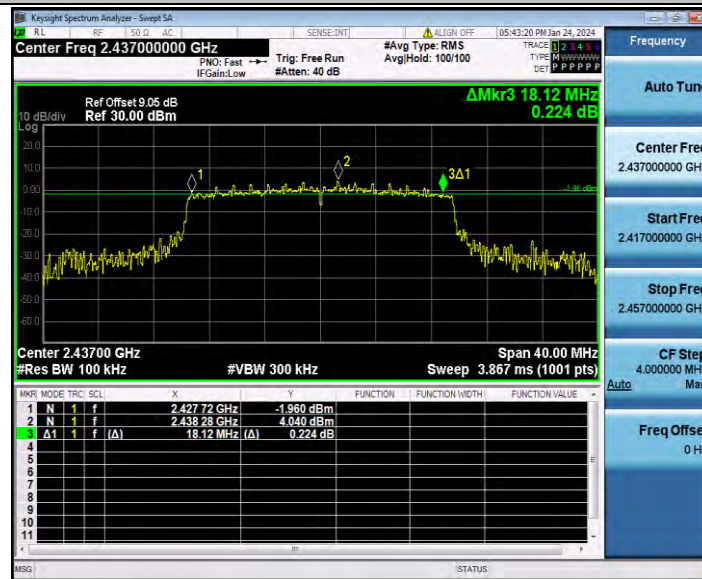
11N20SISO_Ant1_2462



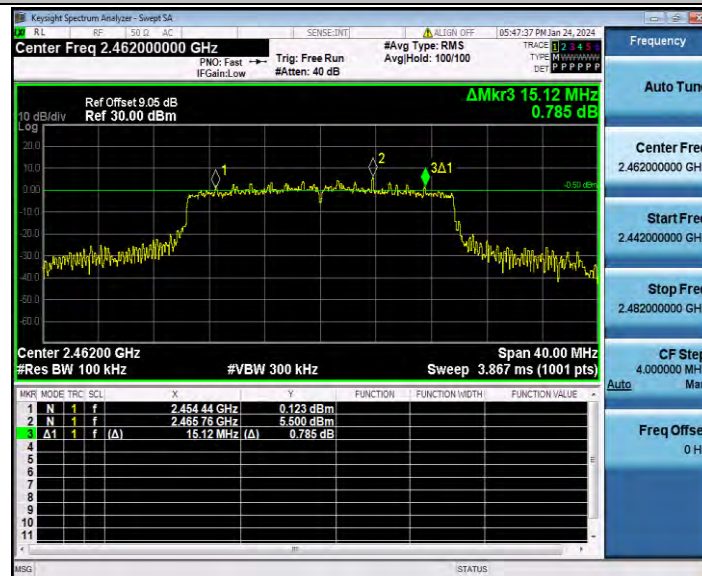
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.440	2405.8908	2418.3308	---	---
		2437	12.638	2430.7120	2443.3500	---	---
		2462	12.658	2455.6818	2468.3398	---	---
11G	Ant1	2412	16.656	2403.7320	2420.3880	---	---
		2437	17.183	2428.3666	2445.5496	---	---
		2462	17.222	2453.3292	2470.5512	---	---
11N20SISO	Ant1	2412	16.674	2403.7493	2420.4233	---	---
		2437	17.302	2428.3326	2445.6346	---	---
		2462	17.281	2453.3654	2470.6464	---	---
11AX20SISO	Ant1	2412	18.885	2402.6171	2421.5021	---	---
		2437	19.108	2427.4601	2446.5681	---	---
		2462	19.093	2452.4700	2471.5630	---	---

Test Graphs

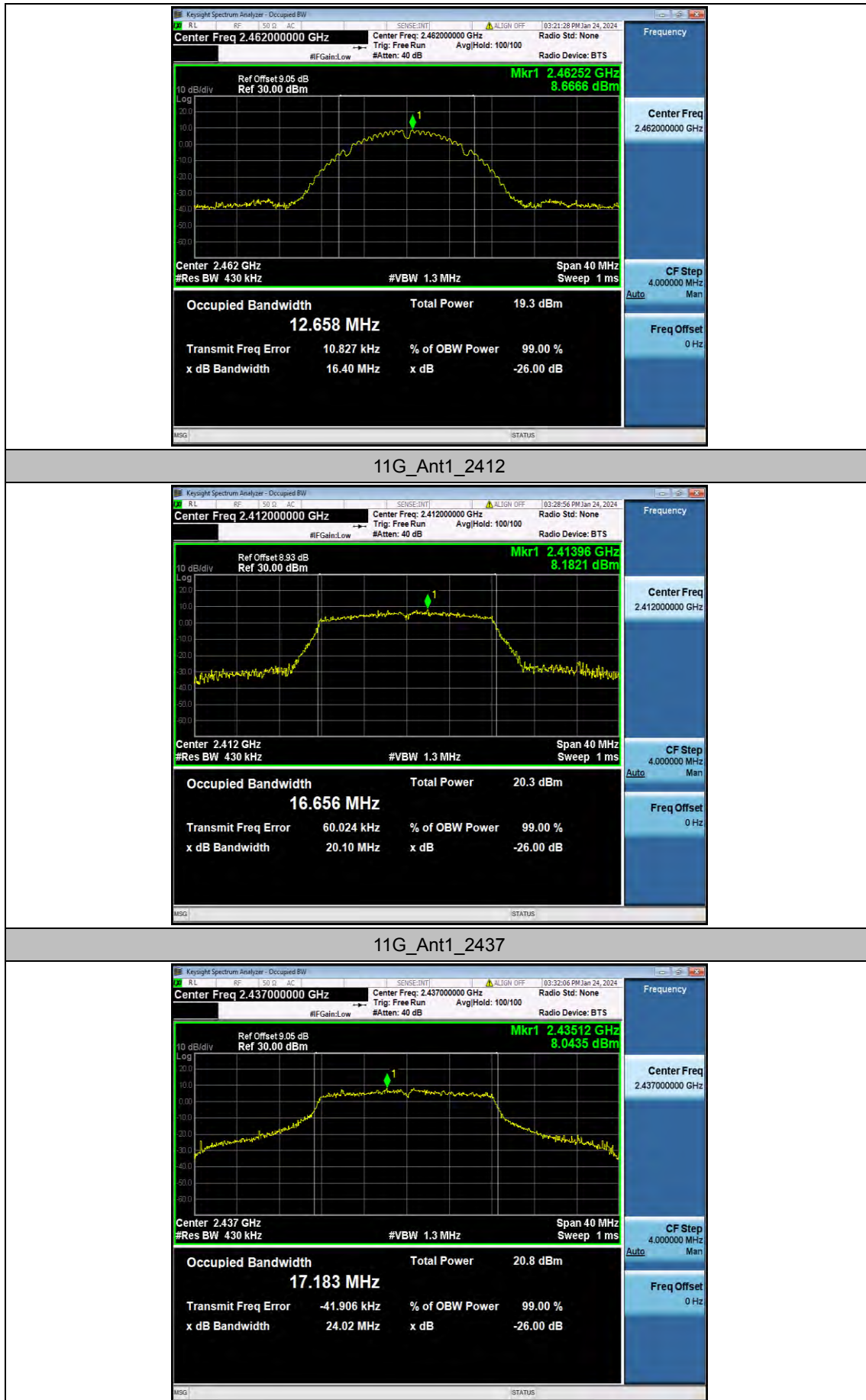
11B_Ant1_2412



11B_Ant1_2437



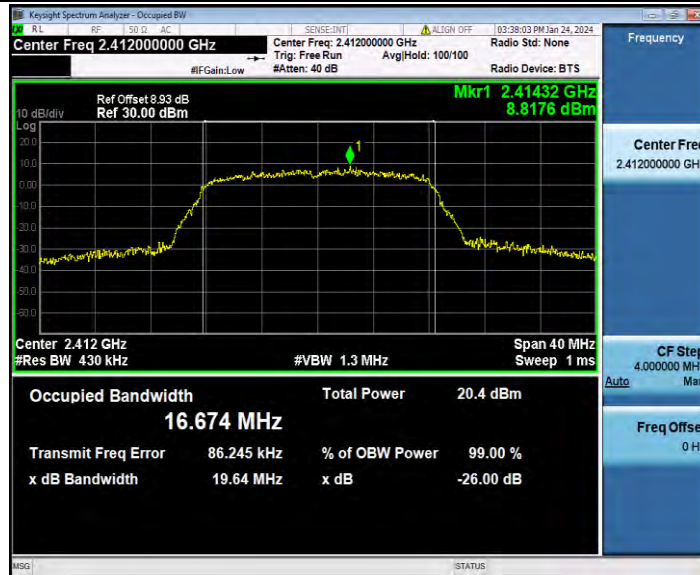
11B_Ant1_2462



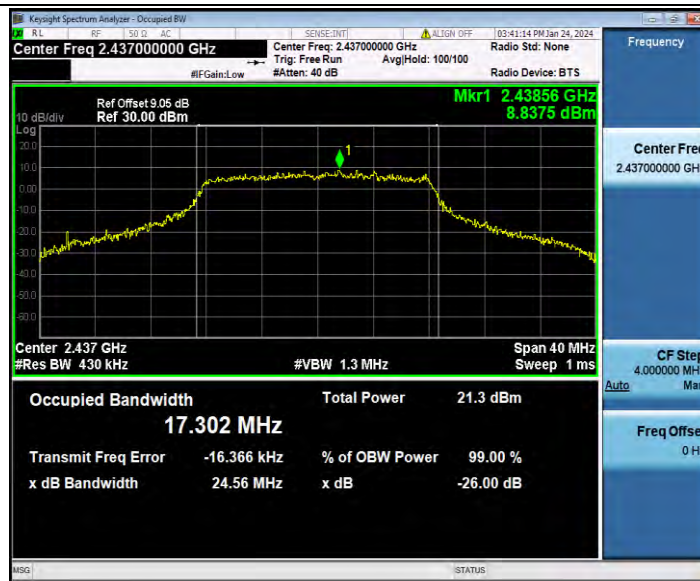
11G_Ant1_2462



11N20SISO_Ant1_2412



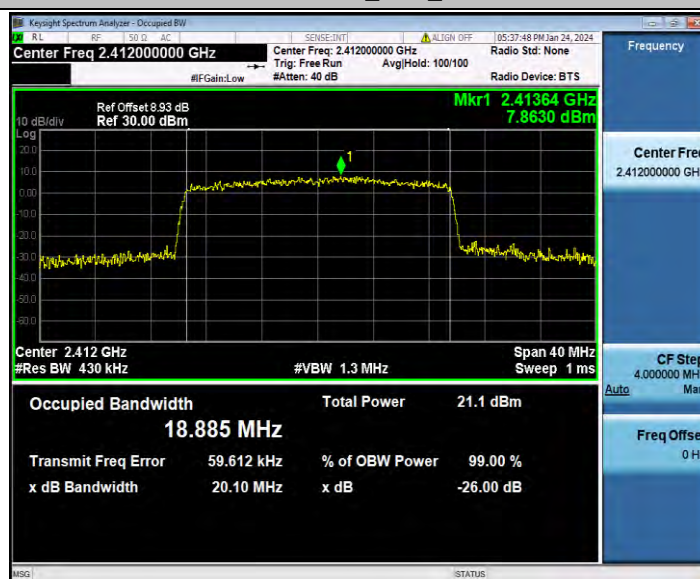
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_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	Ant1	2412	19.04	0	0	19.04	≤30.00	PASS
		2437	19.39	0	0	19.39	≤30.00	PASS
		2462	19.35	0	0	19.35	≤30.00	PASS
11G	Ant1	2412	21.50	0	0	21.50	≤30.00	PASS
		2437	21.86	0	0	21.86	≤30.00	PASS
		2462	22.27	0	0	22.27	≤30.00	PASS
11N20SI SO	Ant1	2412	21.15	0	0	21.15	≤30.00	PASS
		2437	22.08	0	0	22.08	≤30.00	PASS
		2462	20.00	0	0	20.00	≤30.00	PASS
11AX20 SISO	Ant1	2412	21.70	0	0	21.70	≤30.00	PASS
		2437	22.08	0	0	22.08	≤30.00	PASS
		2462	22.27	0	0	22.27	≤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	Ant1	2412	4.30	≤8.00	PASS
		2437	-8.45	≤8.00	PASS
		2462	1.83	≤8.00	PASS
11G	Ant1	2412	-11.85	≤8.00	PASS
		2437	-11.81	≤8.00	PASS
		2462	-10.34	≤8.00	PASS
11N20SISO	Ant1	2412	-11.77	≤8.00	PASS
		2437	-10.95	≤8.00	PASS
		2462	-13.20	≤8.00	PASS
11AX20SISO	Ant1	2412	-11.11	≤8.00	PASS
		2437	-11.94	≤8.00	PASS
		2462	-11.27	≤8.00	PASS

Note:

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

Test Graphs

11B_Ant1_2412



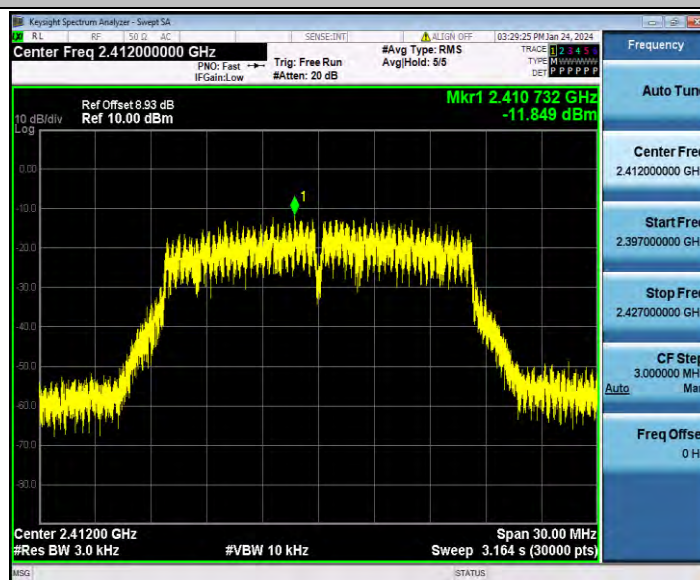
11B_Ant1_2437



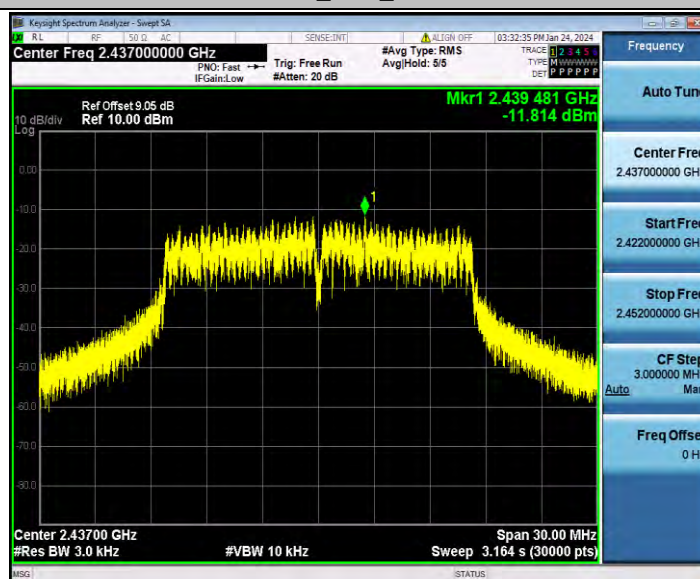
11B_Ant1_2462



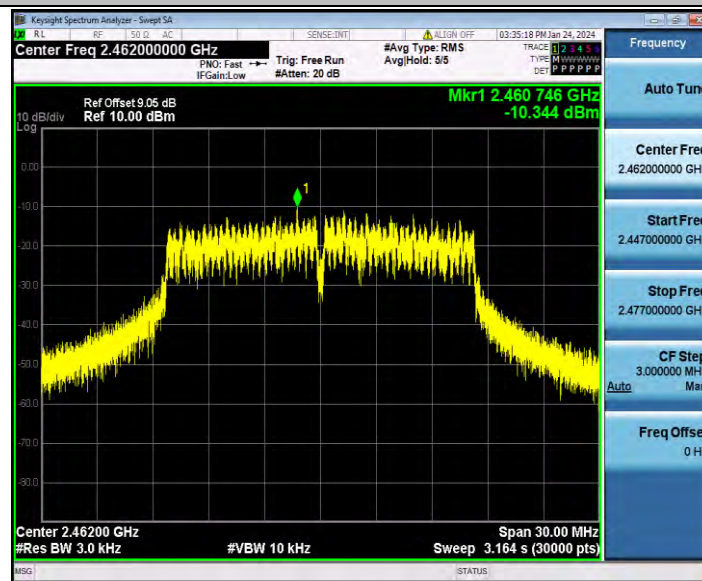
11G_Ant1_2412



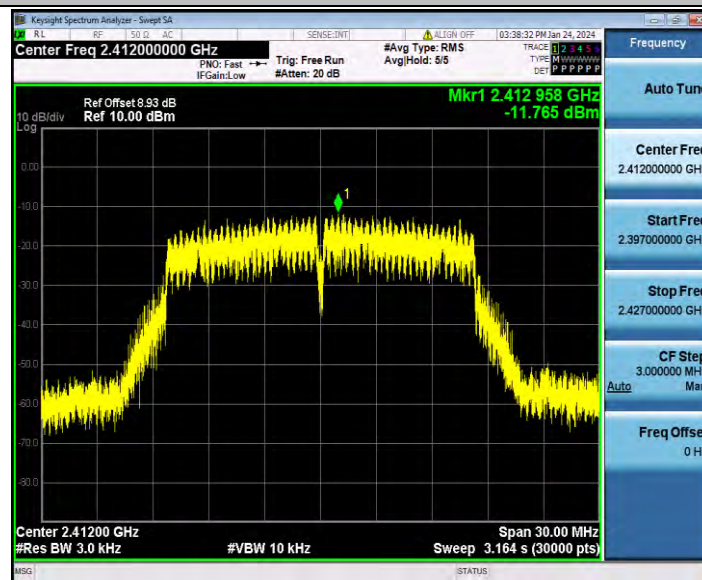
11G_Ant1_2437



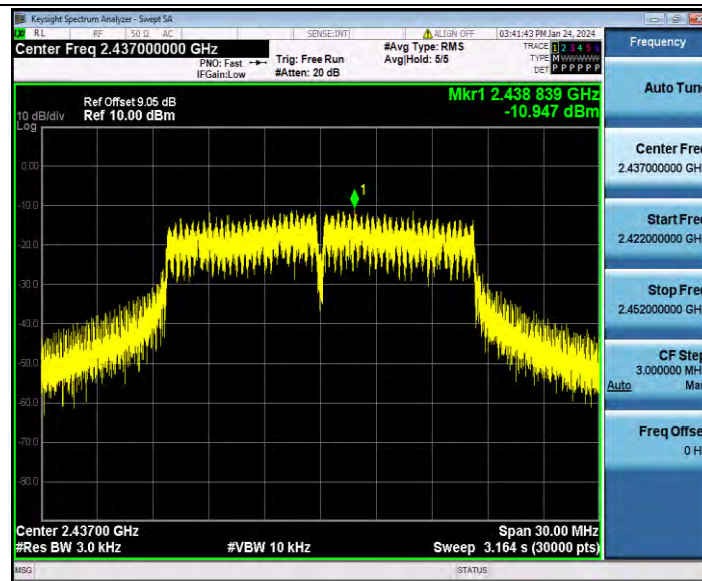
11G_Ant1_2462



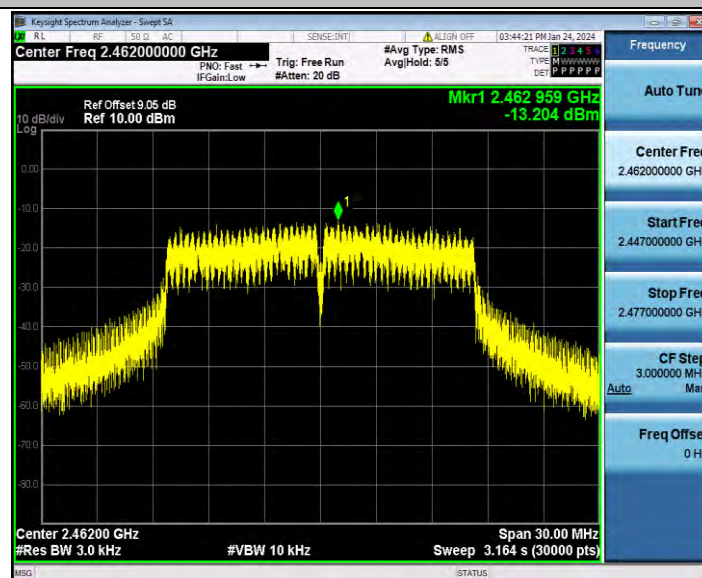
11N20SISO_Ant1_2412



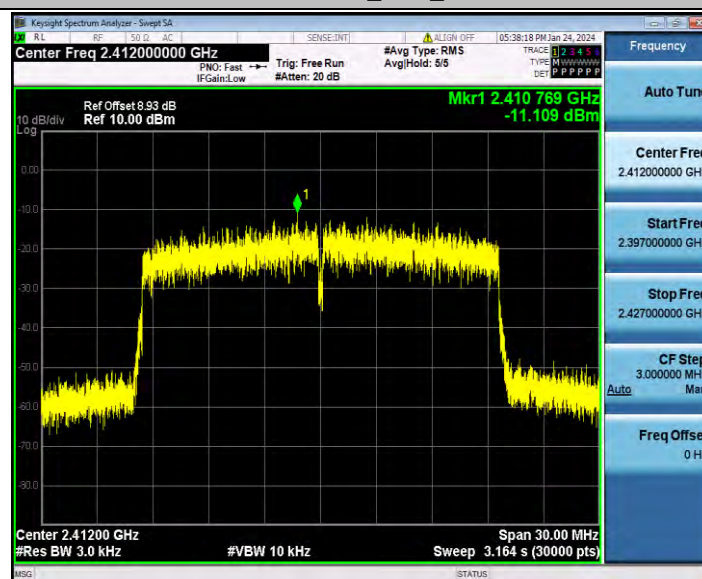
11N20SISO_Ant1_2437



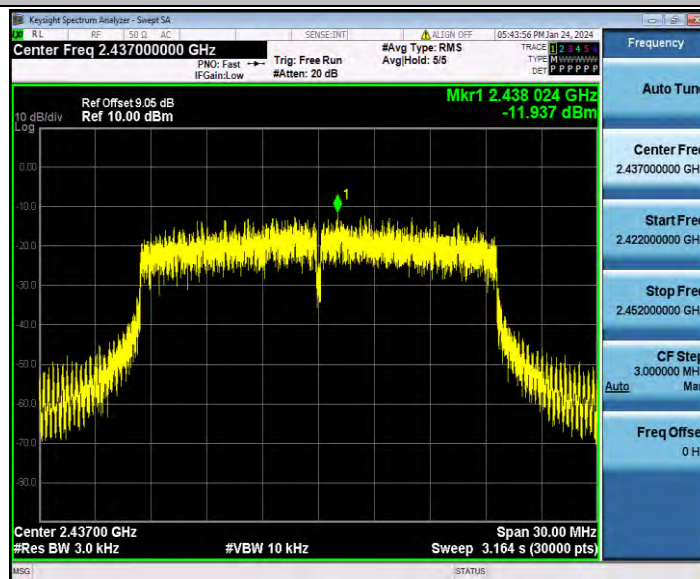
11N20SISO_Ant1_2462



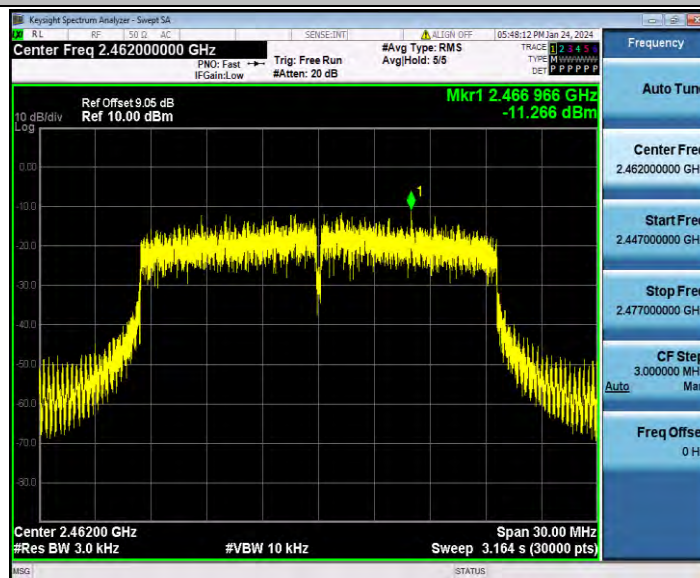
11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



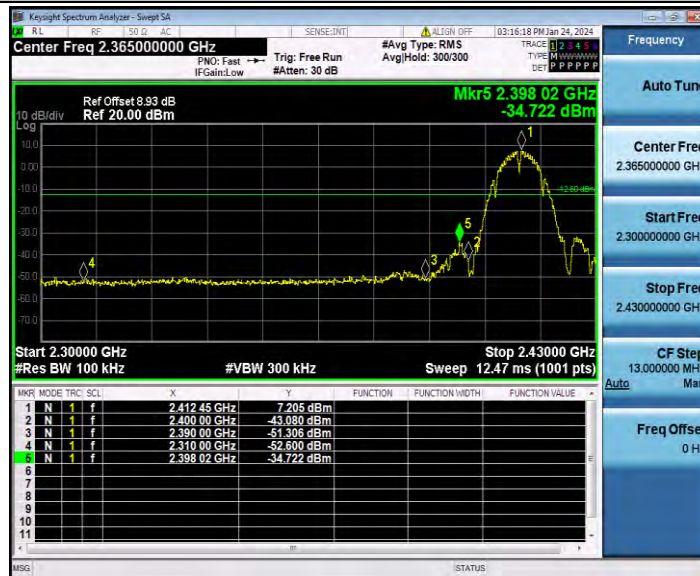
Appendix C.5: Band edge measurements

Test Result

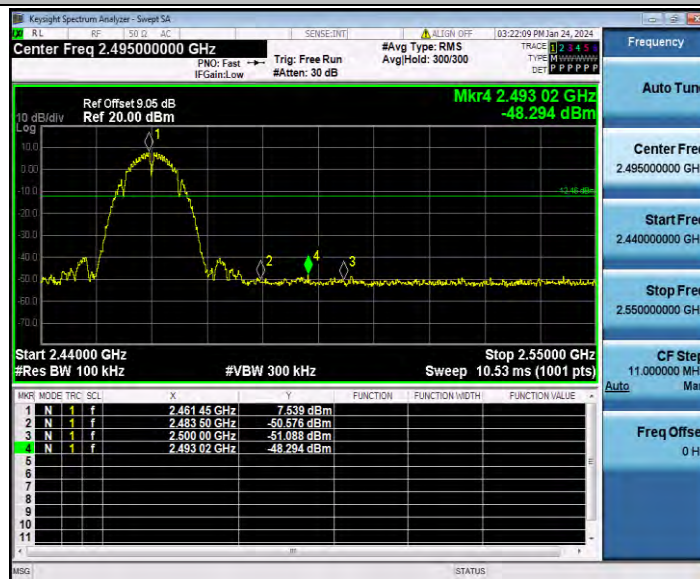
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	7.21	-34.72	≤ -12.8	PASS
		High	2462	7.54	-48.29	≤ -12.46	PASS
11G	Ant1	Low	2412	4.05	-35.07	≤ -15.95	PASS
		High	2462	4.81	-41.24	≤ -15.2	PASS
11N20 SISO	Ant1	Low	2412	4.54	-36.36	≤ -15.47	PASS
		High	2462	2.78	-44.95	≤ -17.23	PASS
11AX20 SISO	Ant1	Low	2412	3.87	-33.36	≤ -16.13	PASS
		High	2462	4.44	-38.99	≤ -15.56	PASS

Test Graphs

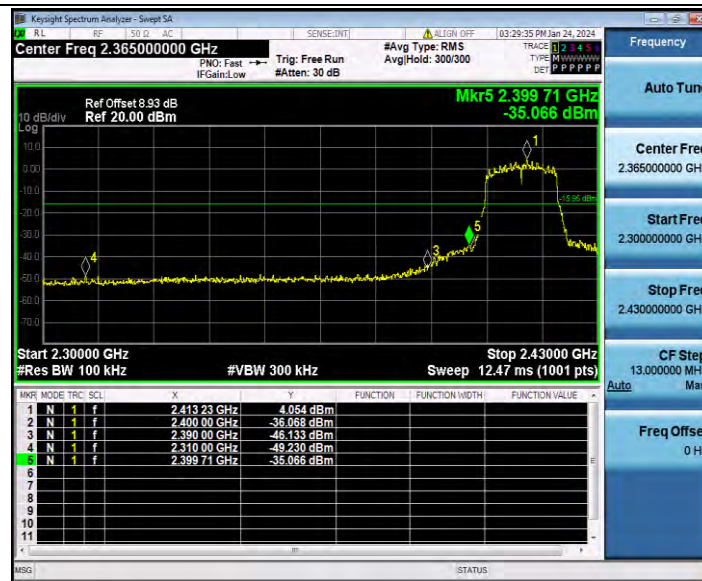
11B_Ant1_Low_2412



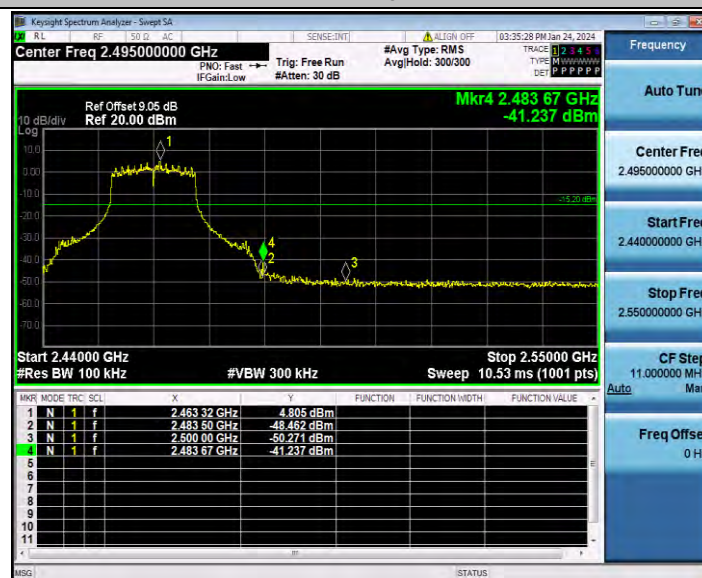
11B_Ant1_High_2462



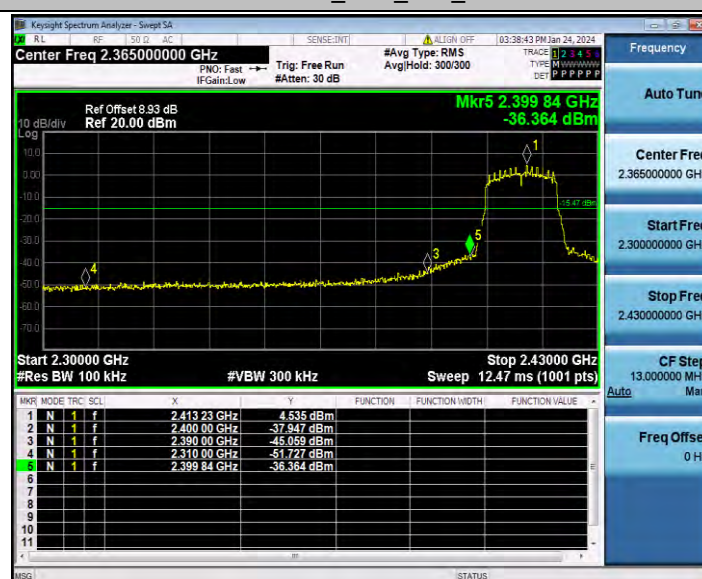
11G_Ant1_Low_2412



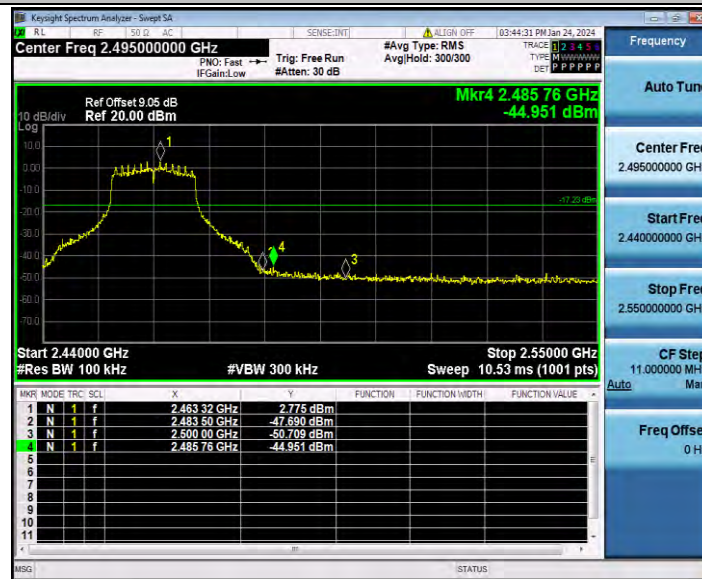
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



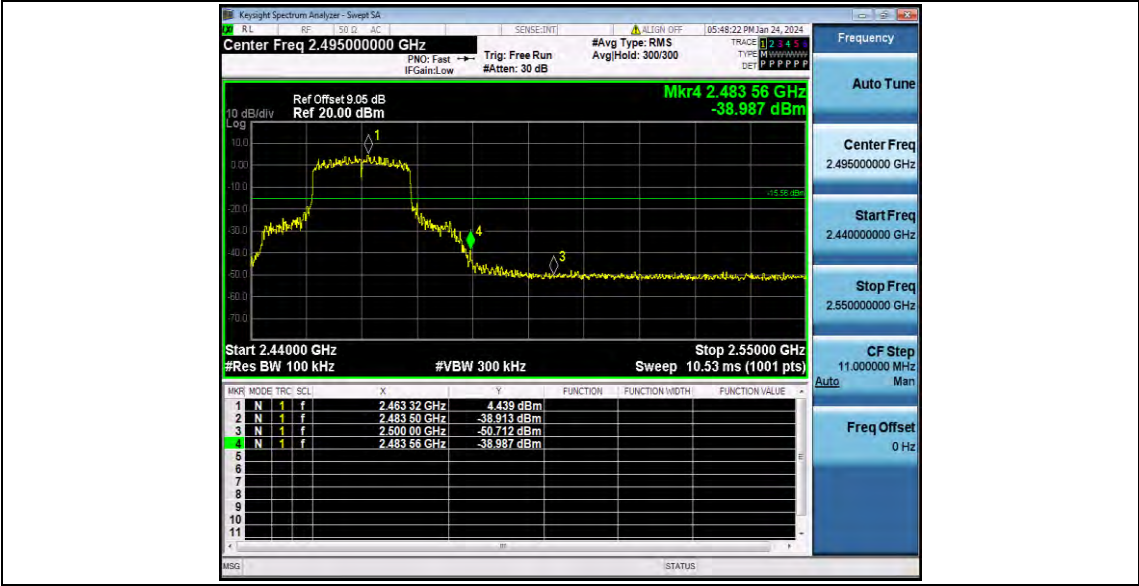
11N20SISO_Ant1_High_2462



11AX20SISO_Ant1_Low_2412



11AX20SISO_Ant1_High_2462

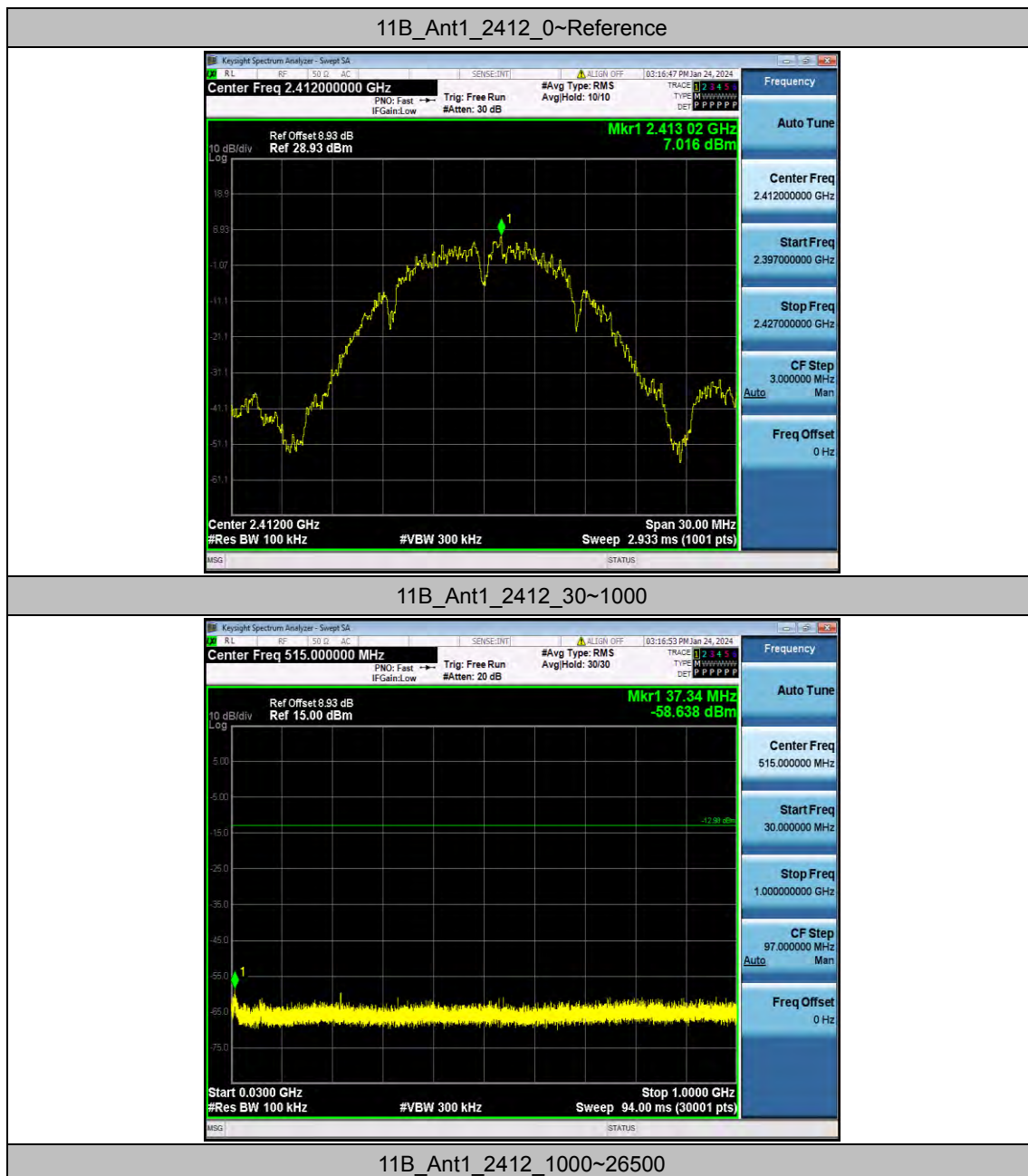


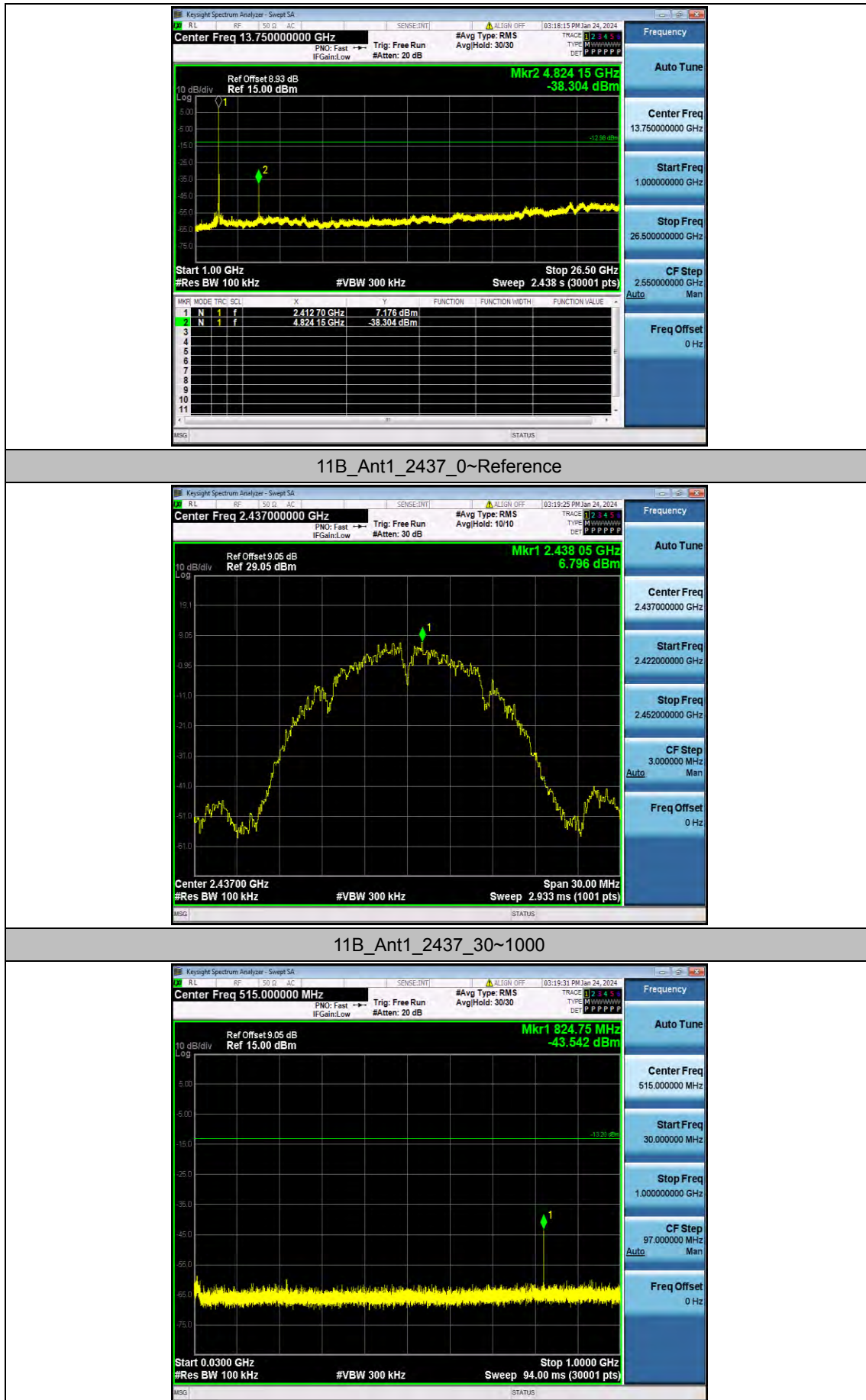
Appendix C.6: Conducted Spurious Emission

Test Result

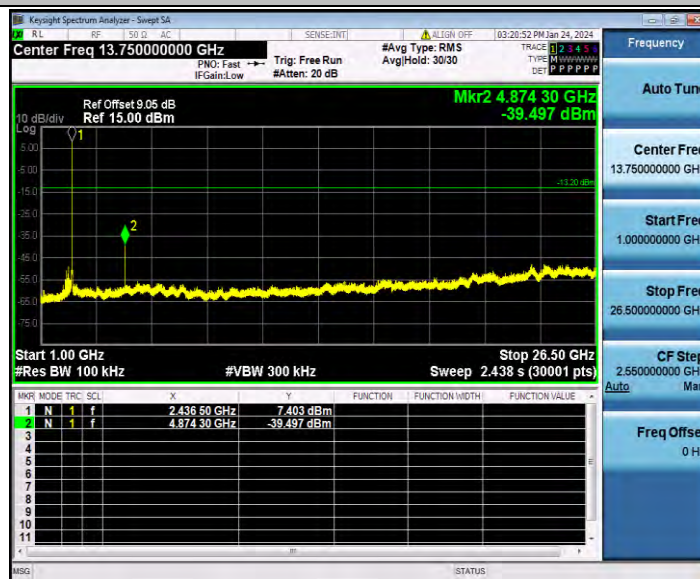
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.02	7.02	---	PASS
			30~1000	7.02	-58.64	≤ -12.98	PASS
			1000~26500	7.02	-38.3	≤ -12.98	PASS
		2437	Reference	6.80	6.80	---	PASS
			30~1000	6.80	-43.54	≤ -13.2	PASS
			1000~26500	6.80	-39.5	≤ -13.2	PASS
		2462	Reference	6.69	6.69	---	PASS
			30~1000	6.69	-39.99	≤ -13.31	PASS
			1000~26500	6.69	-38.14	≤ -13.31	PASS
11G	Ant1	2412	Reference	4.01	4.01	---	PASS
			30~1000	4.01	-50.53	≤ -15.99	PASS
			1000~26500	4.01	-48.61	≤ -15.99	PASS
		2437	Reference	2.83	2.83	---	PASS
			30~1000	2.83	-59.99	≤ -17.17	PASS
			1000~26500	2.83	-48.22	≤ -17.17	PASS
		2462	Reference	4.45	4.45	---	PASS
			30~1000	4.45	-59.57	≤ -15.55	PASS
			1000~26500	4.45	-45.76	≤ -15.55	PASS
11N20SISO	Ant1	2412	Reference	2.30	2.30	---	PASS
			30~1000	2.30	-60	≤ -17.7	PASS
			1000~26500	2.30	-48.47	≤ -17.7	PASS
		2437	Reference	4.26	4.26	---	PASS
			30~1000	4.26	-60.05	≤ -15.74	PASS
			1000~26500	4.26	-47.32	≤ -15.74	PASS
		2462	Reference	0.31	0.31	---	PASS
			30~1000	0.31	-59.46	≤ -19.69	PASS
			1000~26500	0.31	-47.41	≤ -19.69	PASS
11AX20SISO	Ant1	2412	Reference	1.91	1.91	---	PASS
			30~1000	1.91	-60.04	≤ -18.09	PASS
			1000~26500	1.91	-48.43	≤ -18.09	PASS
		2437	Reference	3.27	3.27	---	PASS
			30~1000	3.27	-59.68	≤ -16.73	PASS
			1000~26500	3.27	-47.28	≤ -16.73	PASS
		2462	Reference	3.51	3.51	---	PASS
			30~1000	3.51	-59.85	≤ -16.49	PASS
			1000~26500	3.51	-46.64	≤ -16.49	PASS

Test Graphs





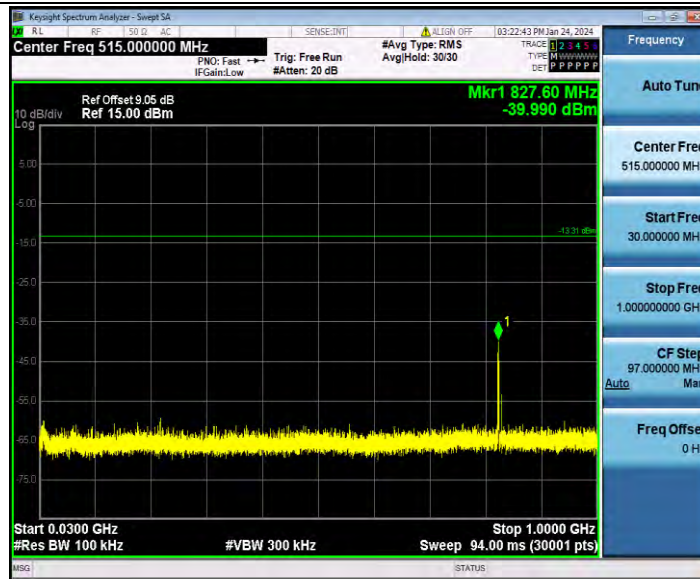
11B_Ant1_2437_1000~26500



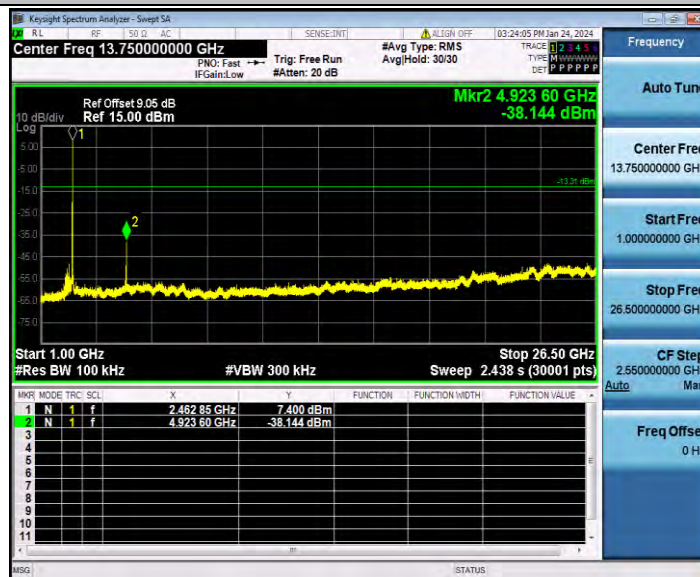
11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



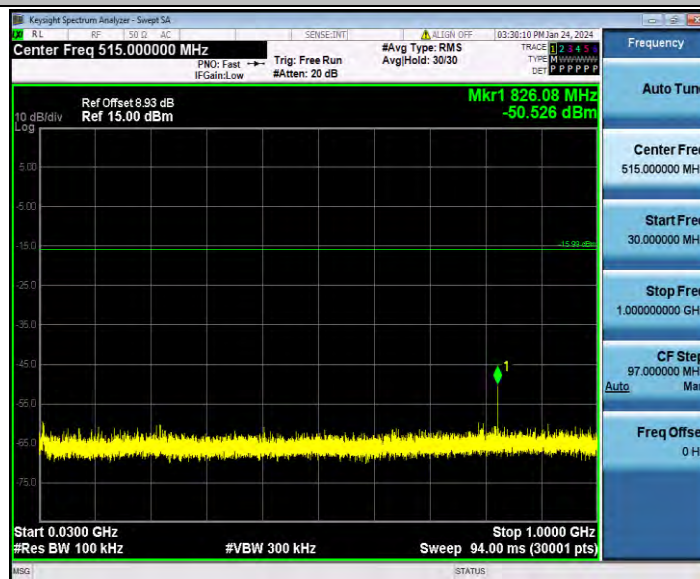
11B_Ant1_2462_1000~26500



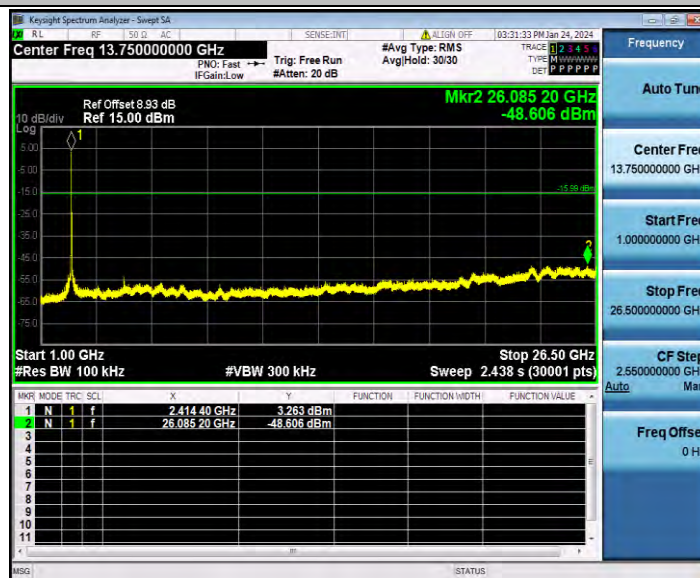
11G_Ant1_2412_0~Reference



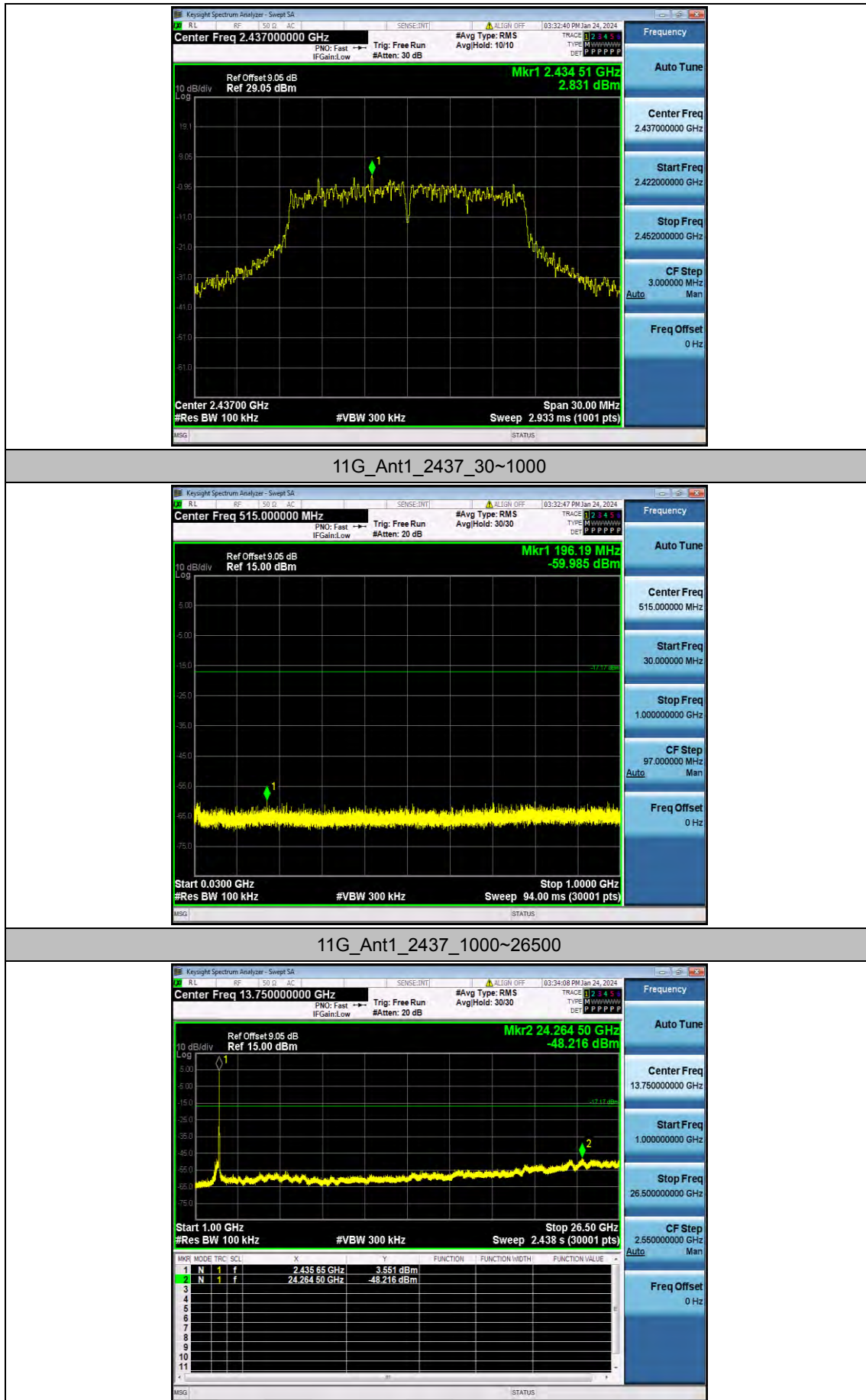
11G_Ant1_2412_30~1000

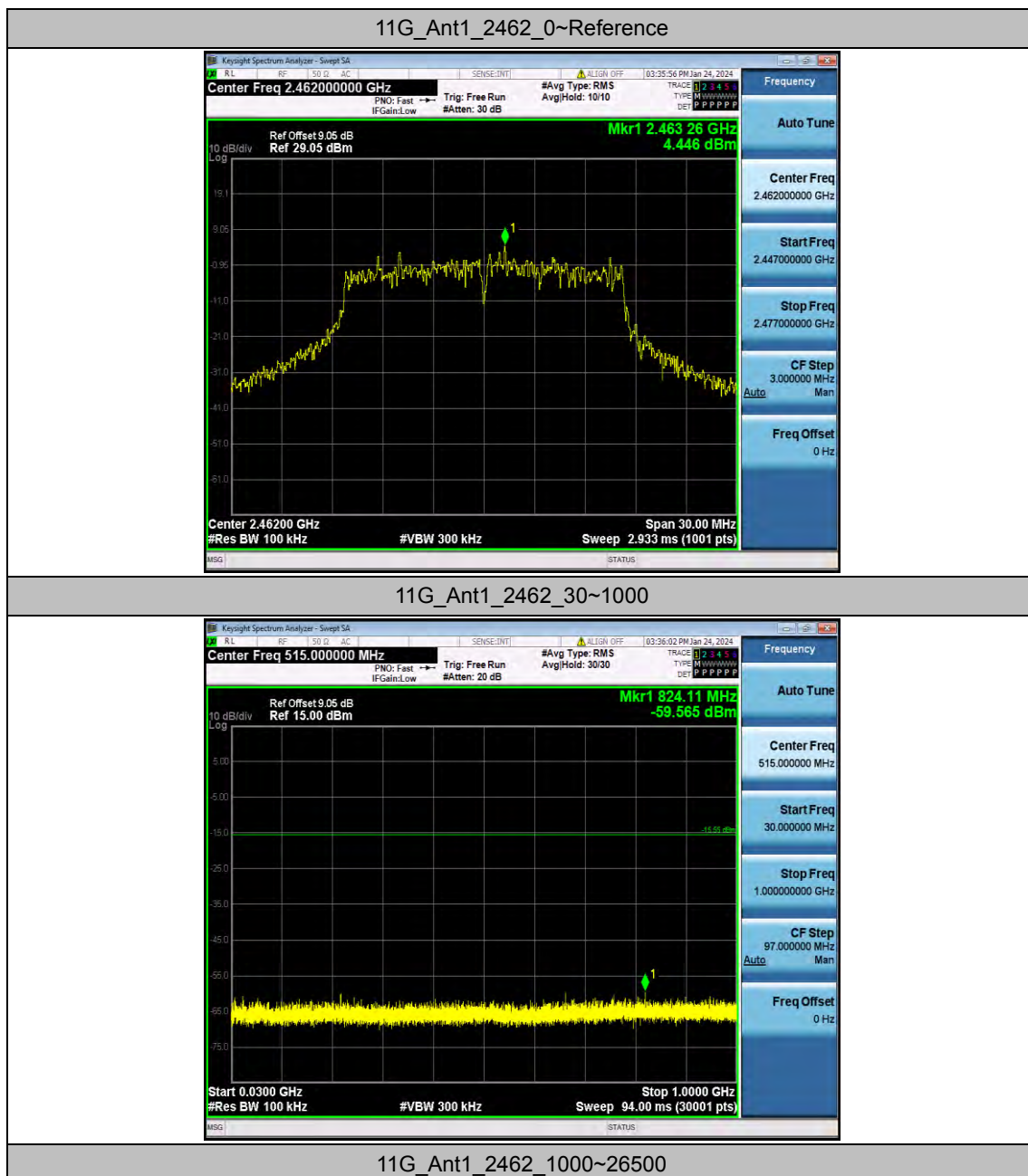


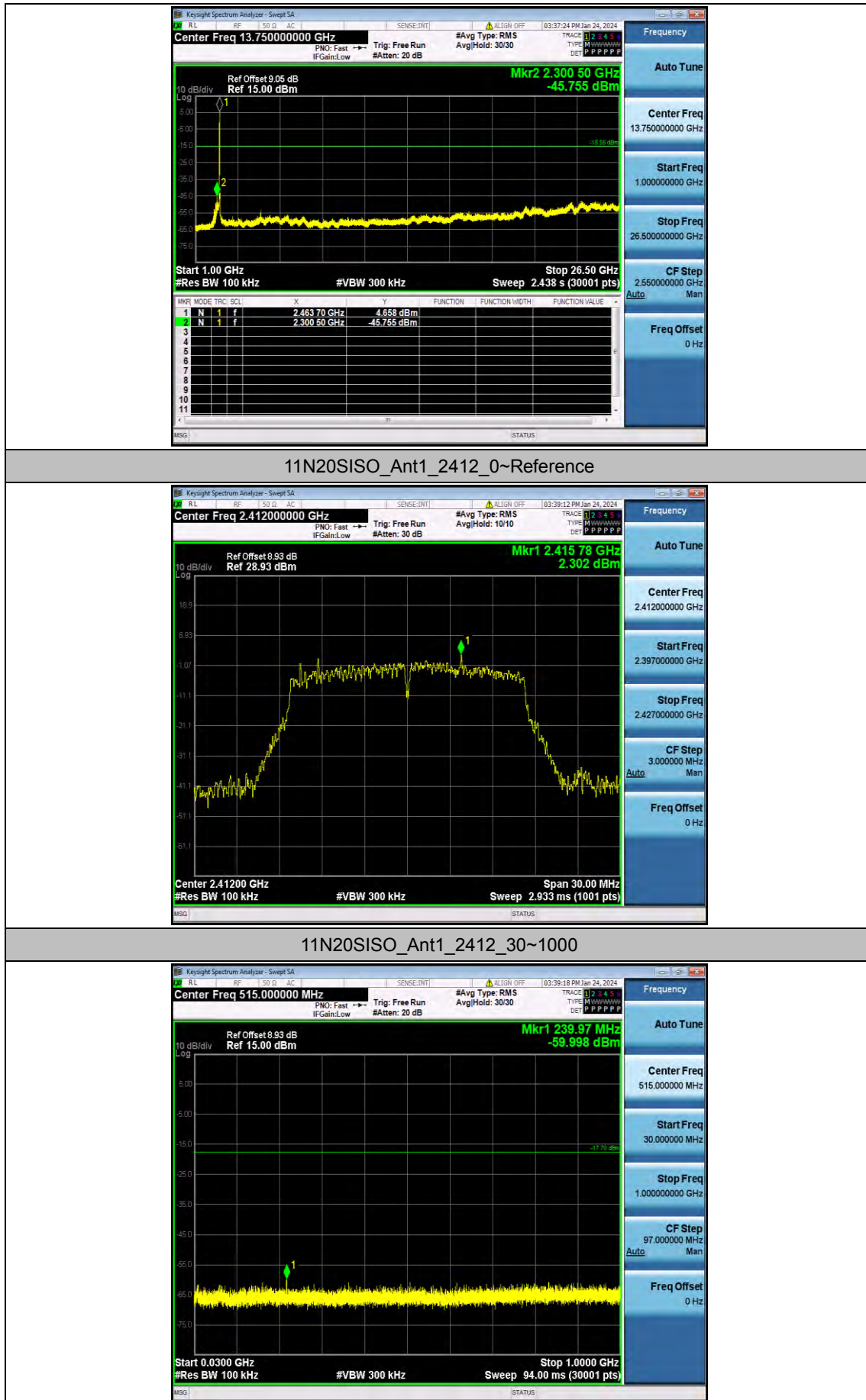
11G_Ant1_2412_1000~26500



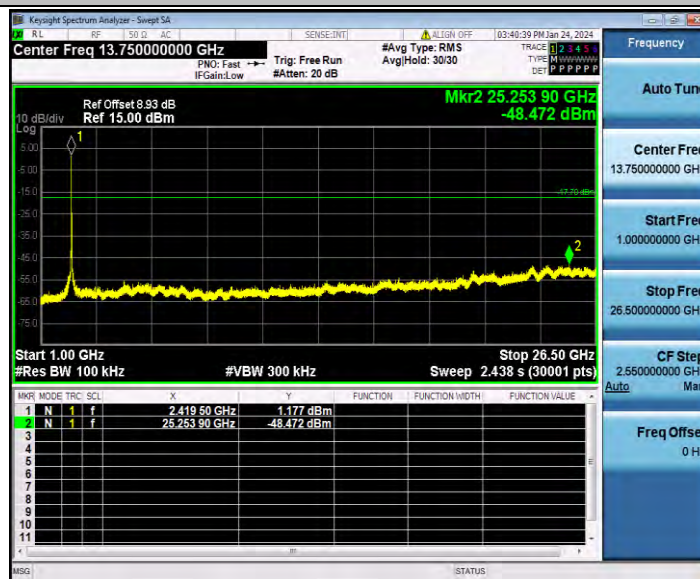
11G_Ant1_2437_0~Reference







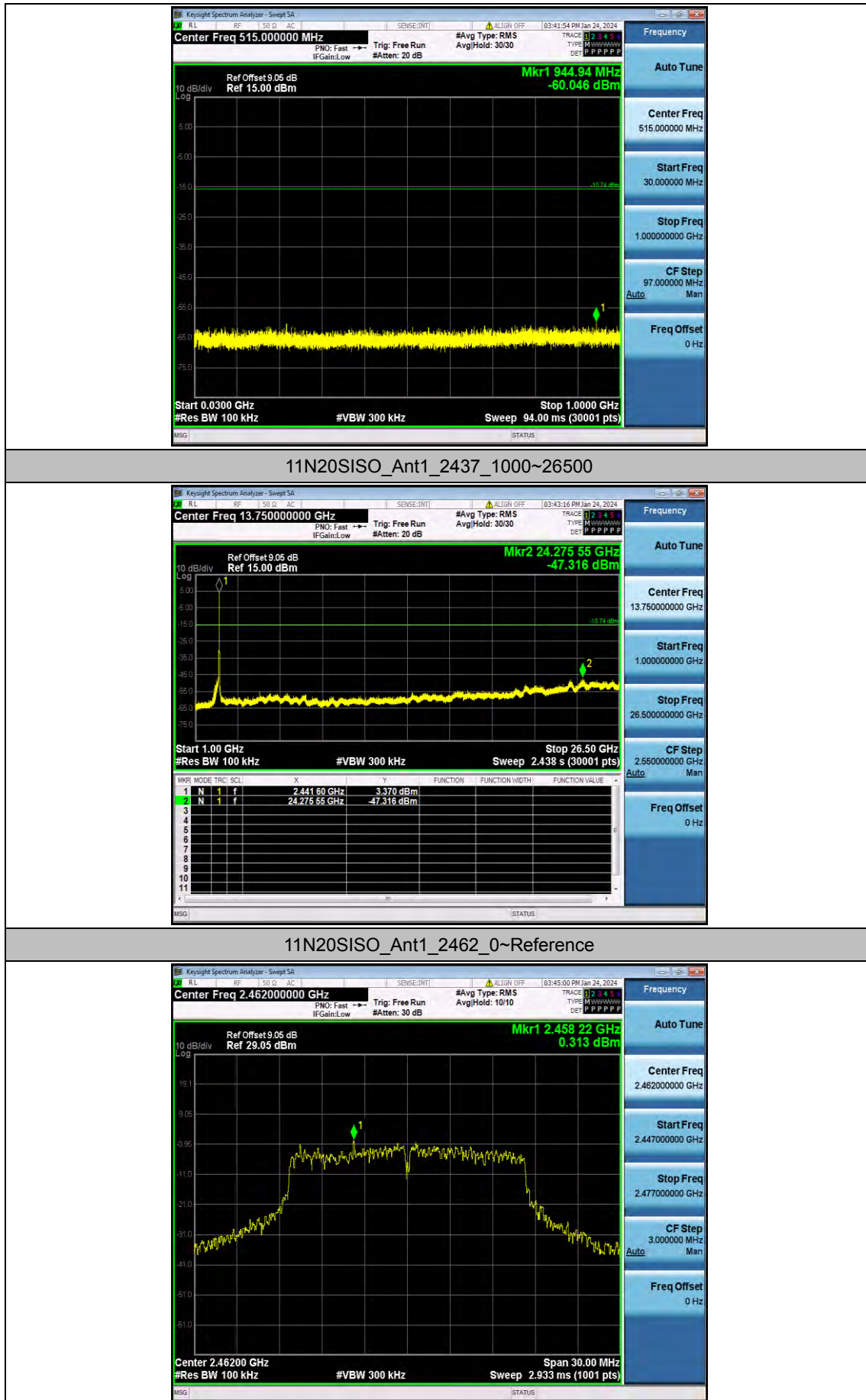
11N20SISO_Ant1_2412_1000~26500



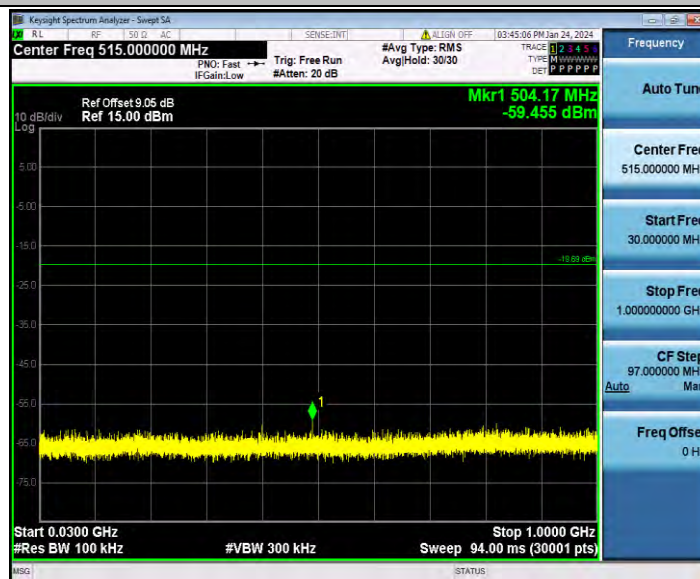
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2462_30~1000



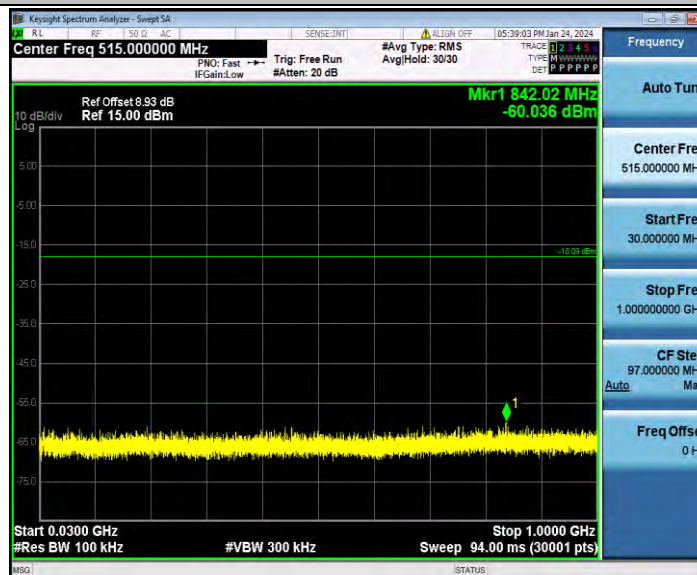
11N20SISO_Ant1_2462_1000~26500



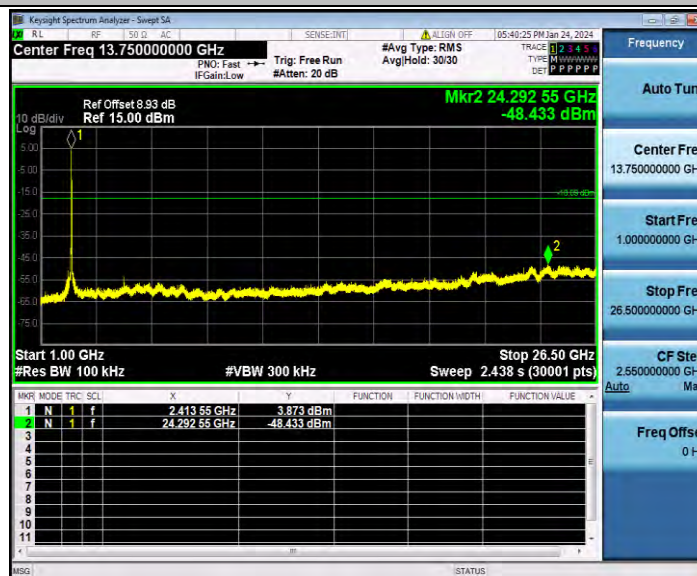
11AX20SISO_Ant1_2412_0~Reference



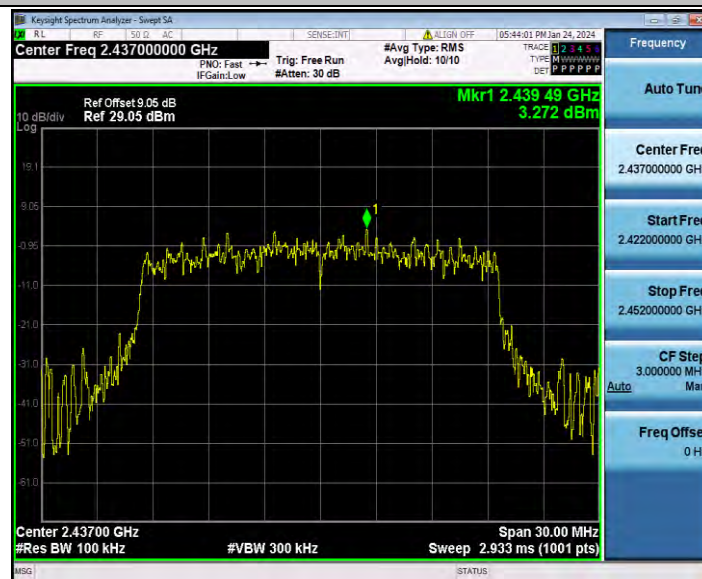
11AX20SISO_Ant1_2412_30~1000



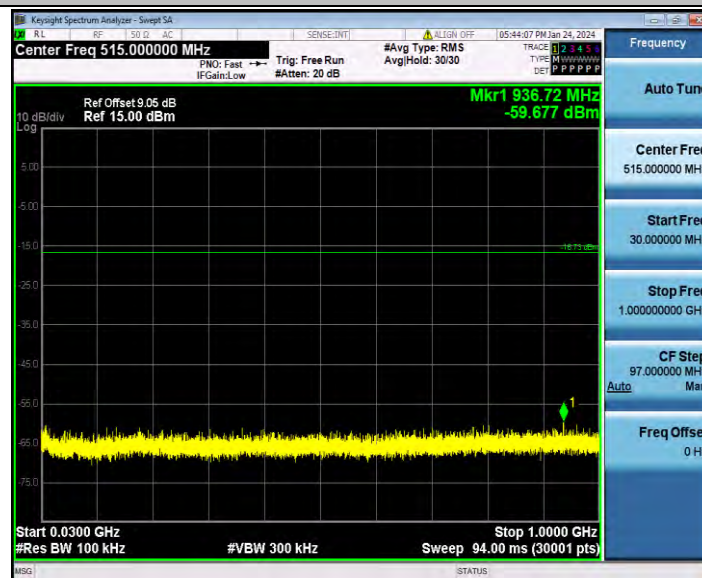
11AX20SISO_Ant1_2412_1000~26500



11AX20SISO_Ant1_2437_0~Reference



11AX20SISO_Ant1_2437_30~1000



11AX20SISO_Ant1_2437_1000~26500

