

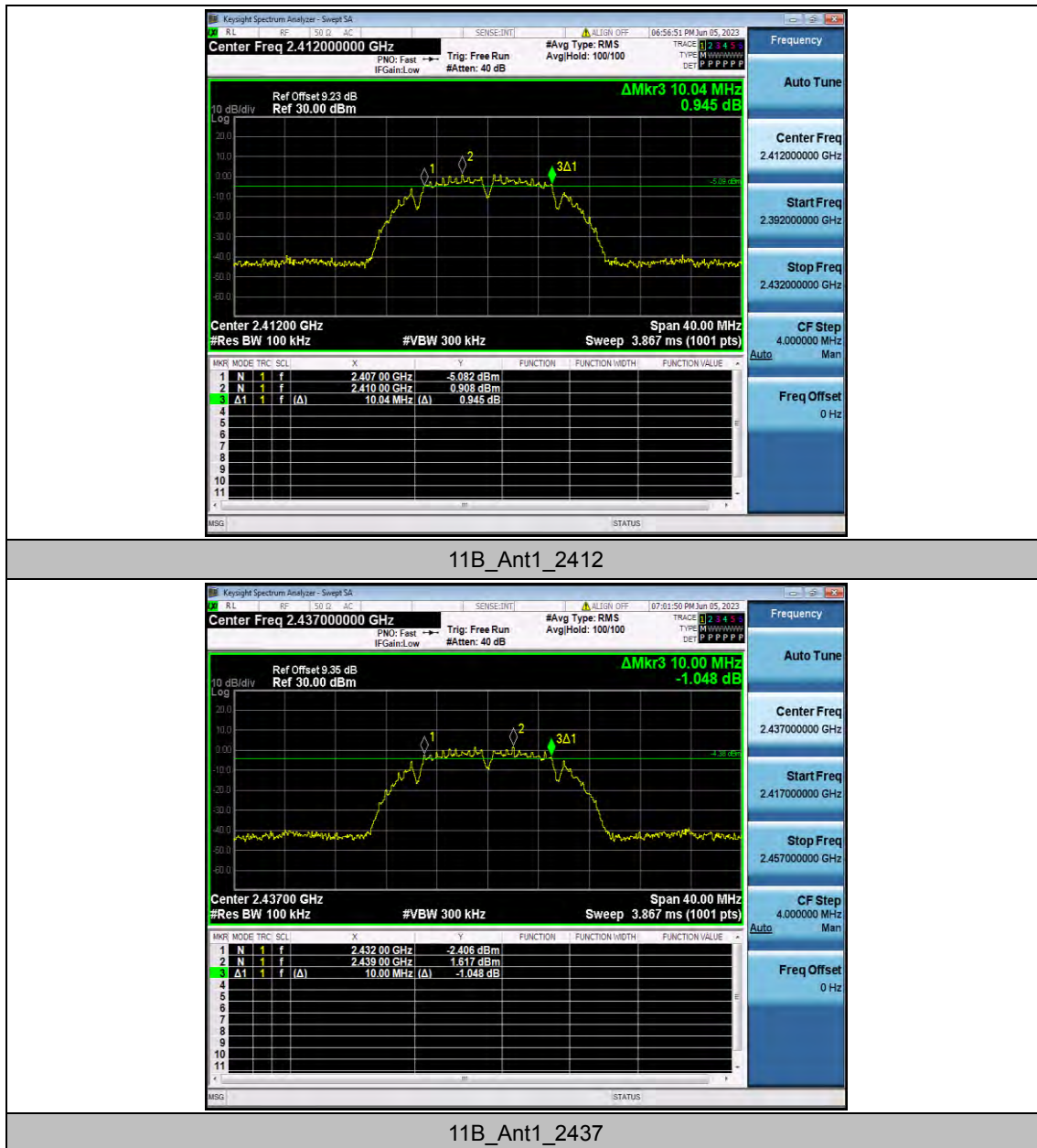
Case No. : <u>GTS20230508024-1-45</u>	
Ambient Condition: <u>23</u> °C, <u>48</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.6.5</u>	Test Engineer: <u>Jenny zeng</u>

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	10.040	2407.000	2417.040	0.5	PASS
		2437	10.000	2432.000	2442.000	0.5	PASS
		2462	10.040	2456.960	2467.000	0.5	PASS
11G	Ant1	2412	15.120	2404.440	2419.560	0.5	PASS
		2437	15.000	2429.520	2444.520	0.5	PASS
		2462	12.840	2455.680	2468.520	0.5	PASS
11N20SISO	Ant1	2412	12.560	2405.720	2418.280	0.5	PASS
		2437	15.000	2429.520	2444.520	0.5	PASS
		2462	15.120	2454.440	2469.560	0.5	PASS
11N40SISO	Ant1	2422	33.840	2405.680	2439.520	0.5	PASS
		2437	33.760	2420.760	2454.520	0.5	PASS
		2452	33.840	2435.760	2469.600	0.5	PASS

Test Graphs

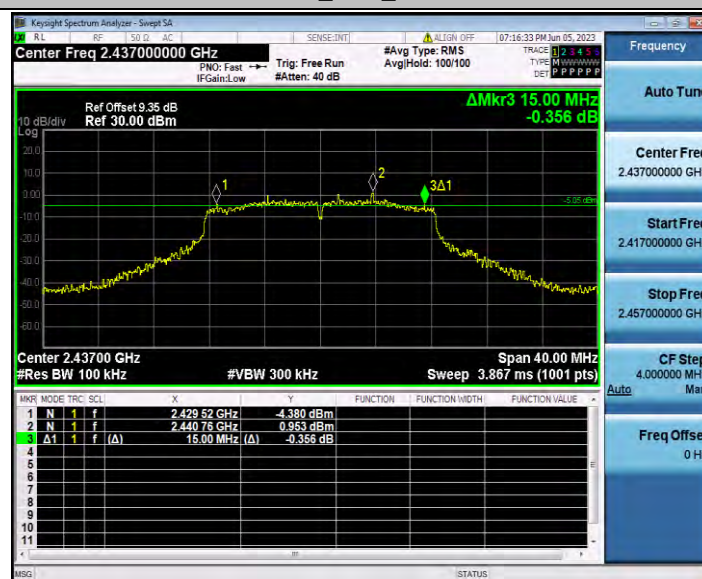




11B_Ant1_2462



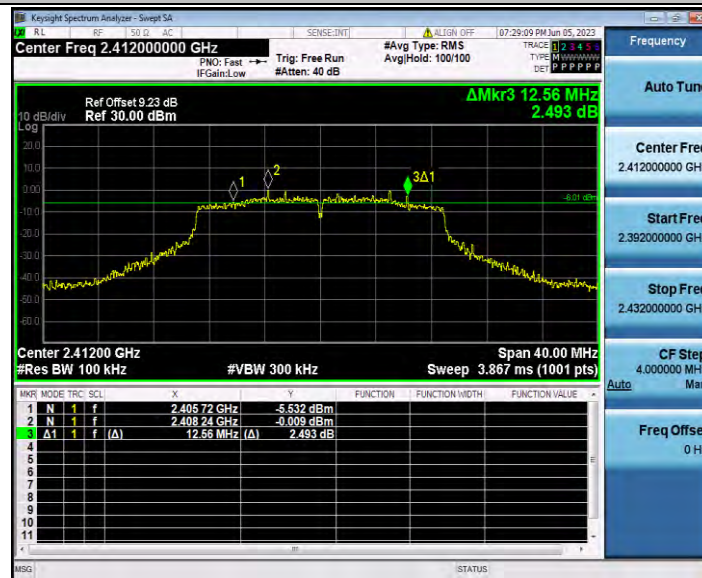
11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



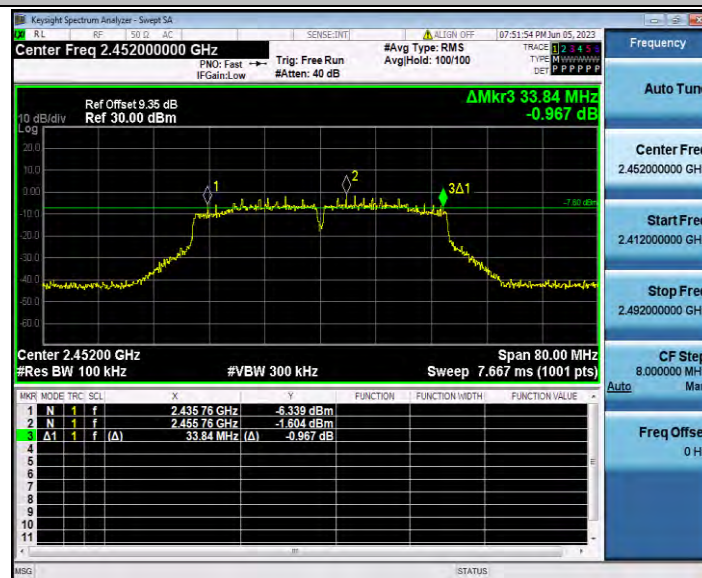
11N20SISO_Ant1_2412



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

Appendix C.2: Occupied Channel Bandwidth

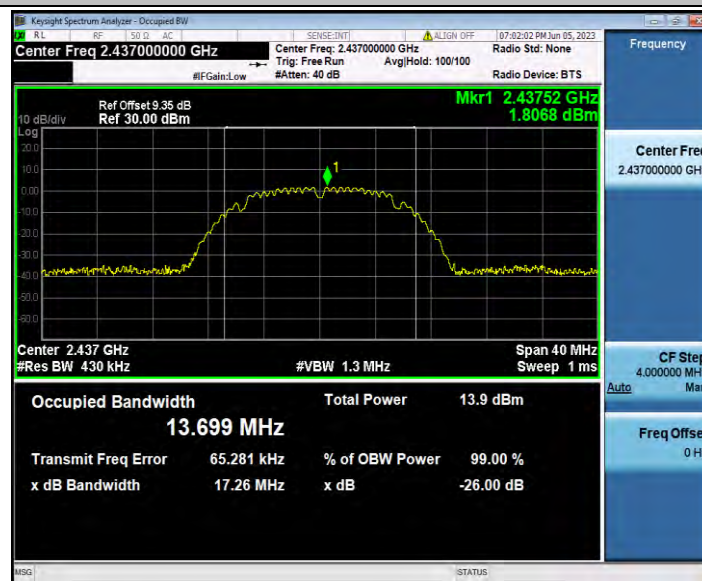
Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.681	2405.141	2418.822	---	---
		2437	13.699	2430.216	2443.915	---	---
		2462	13.623	2455.215	2468.838	---	---
11G	Ant1	2412	16.804	2403.608	2420.412	---	---
		2437	16.905	2428.602	2445.507	---	---
		2462	16.726	2453.667	2470.393	---	---
11N20SISO	Ant1	2412	17.933	2403.037	2420.970	---	---
		2437	17.932	2428.096	2446.028	---	---
		2462	17.960	2453.037	2470.997	---	---
11N40SISO	Ant1	2422	36.338	2403.882	2440.220	---	---
		2437	36.126	2419.051	2455.177	---	---
		2452	36.169	2434.037	2470.206	---	---

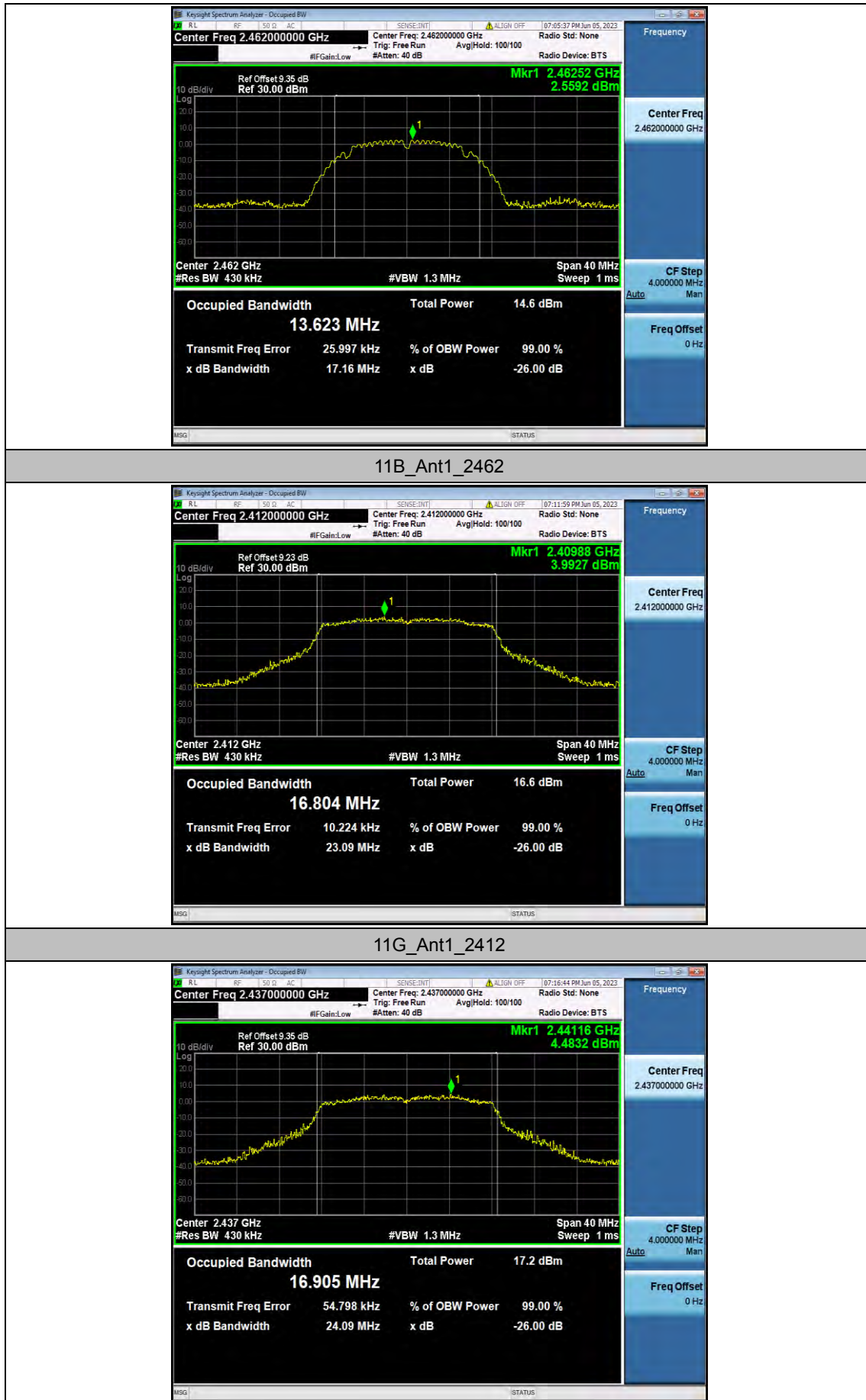
Test Graphs



11B_Ant1_2412



11B_Ant1_2437



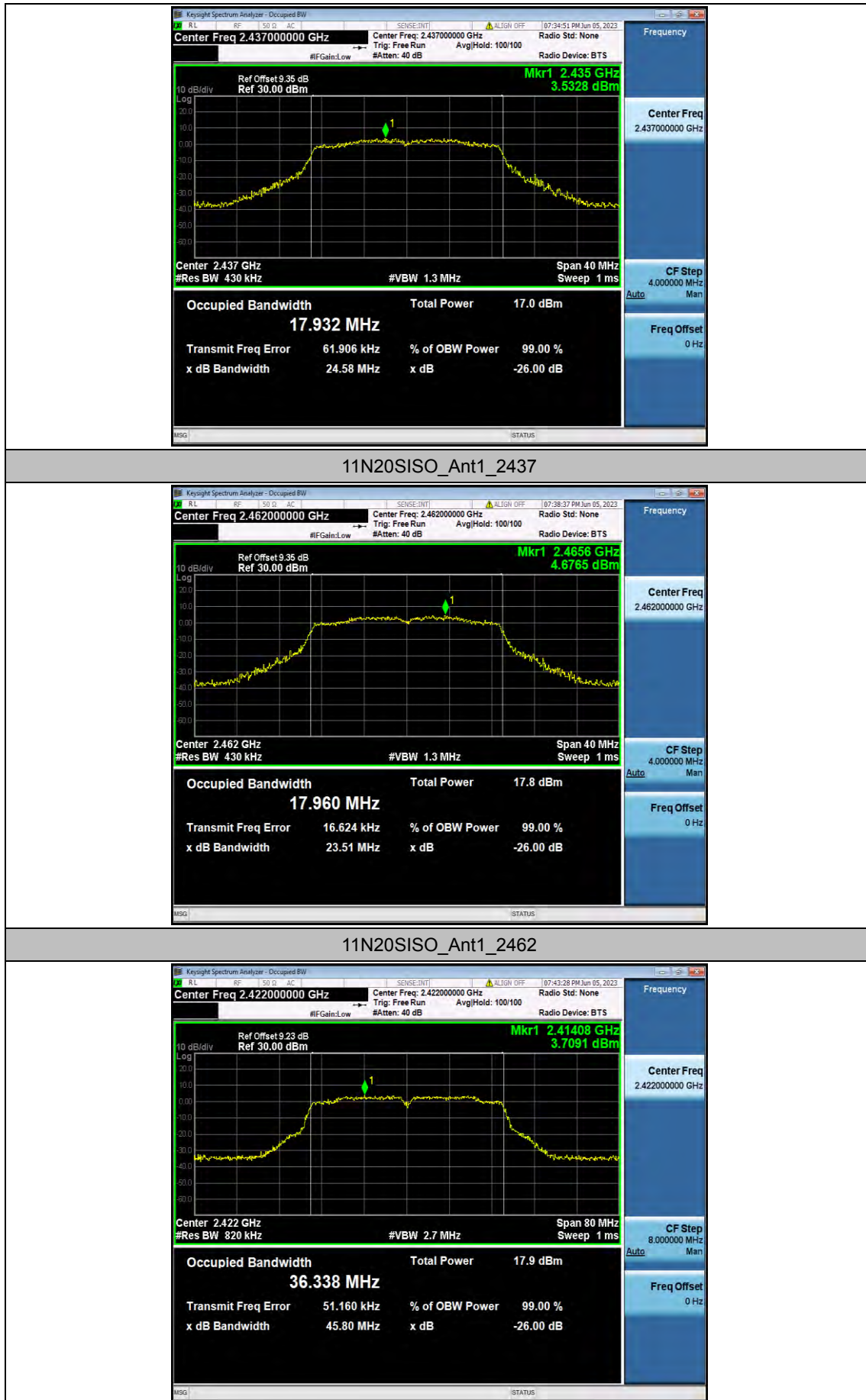
11G_Ant1_2437



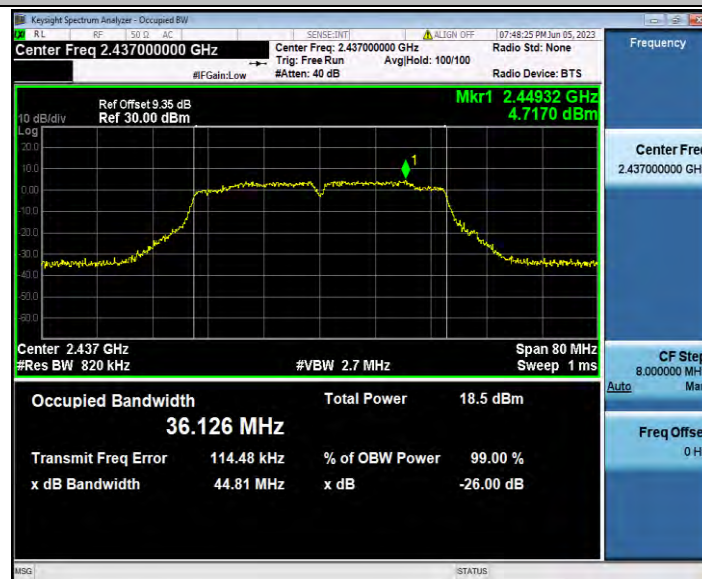
11G_Ant1_2462



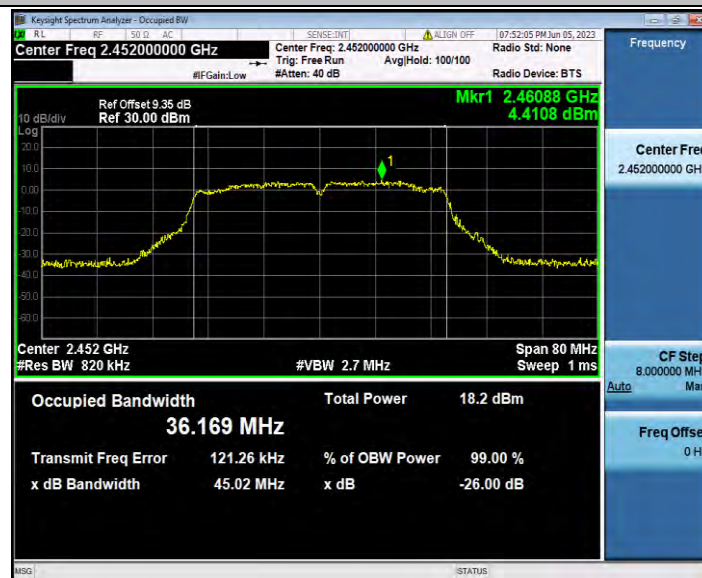
11N20SISO_Ant1_2412



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

Appendix C.3: Maximum conducted output power

Test Result Peak

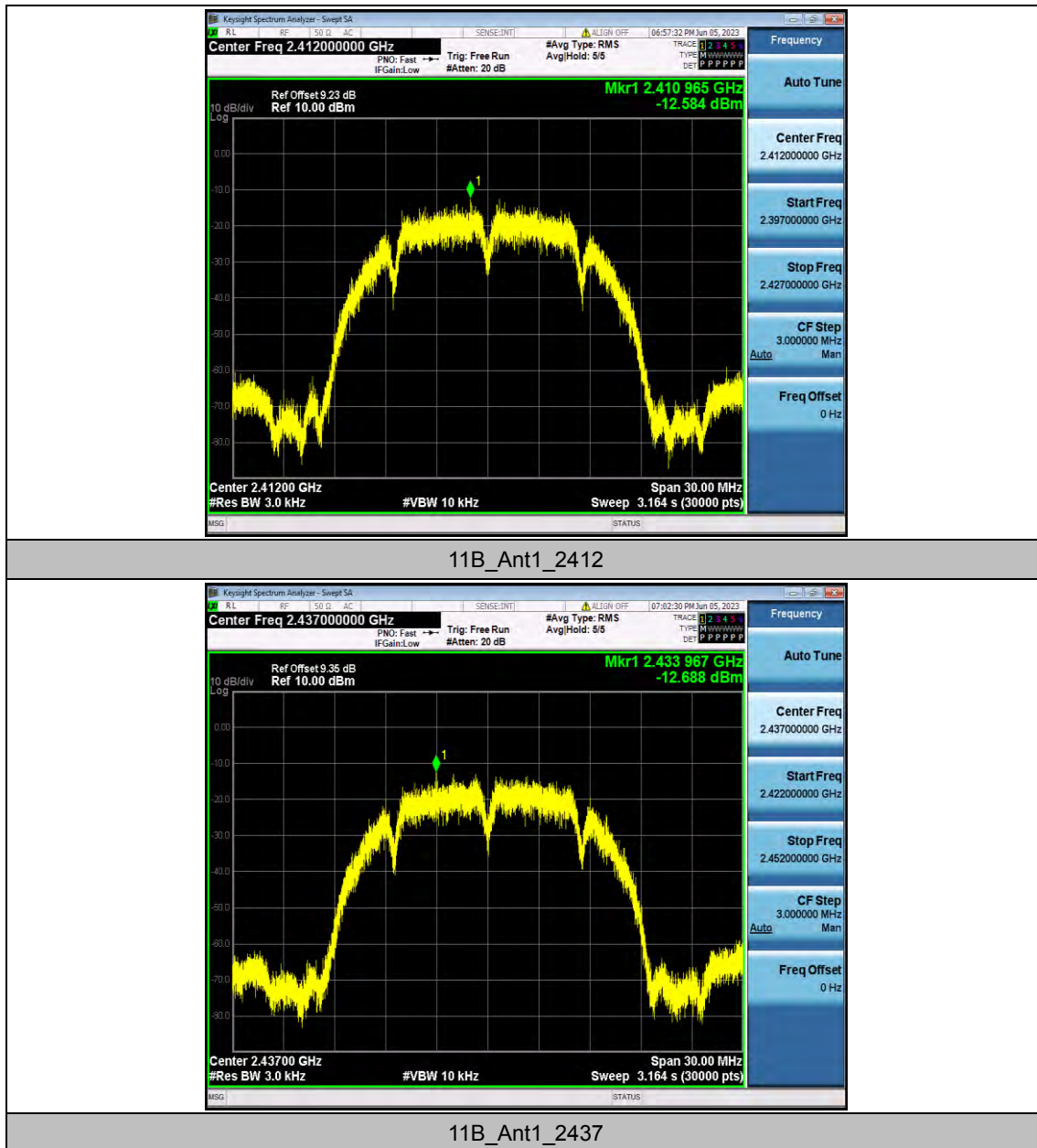
Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	13.40	≤30.00	PASS
		2437	13.92	≤30.00	PASS
		2462	14.63	≤30.00	PASS
11G	Ant1	2412	17.79	≤30.00	PASS
		2437	18.38	≤30.00	PASS
		2462	19.08	≤30.00	PASS
11N20SISO	Ant1	2412	17.79	≤30.00	PASS
		2437	18.28	≤30.00	PASS
		2462	19.04	≤30.00	PASS
11N40SISO	Ant1	2422	18.17	≤30.00	PASS
		2437	18.59	≤30.00	PASS
		2452	18.51	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

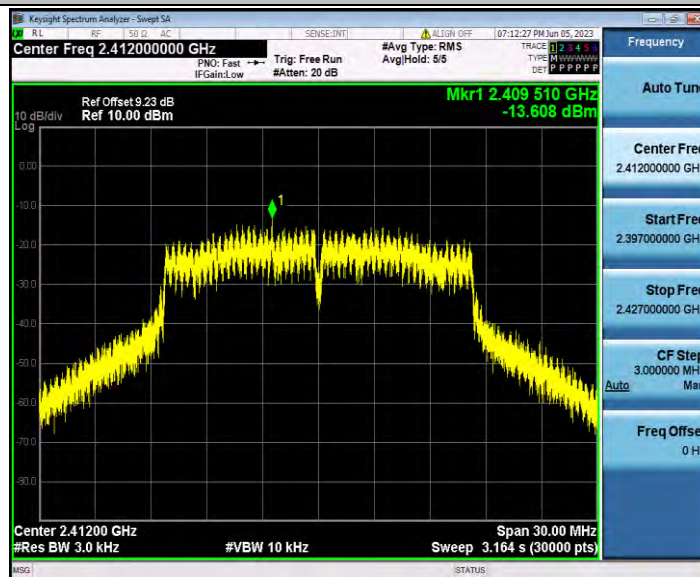
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.58	≤8.00	PASS
		2437	-12.69	≤8.00	PASS
		2462	-10.86	≤8.00	PASS
11G	Ant1	2412	-13.61	≤8.00	PASS
		2437	-14.14	≤8.00	PASS
		2462	-13.34	≤8.00	PASS
11N20SISO	Ant1	2412	-14.81	≤8.00	PASS
		2437	-13.88	≤8.00	PASS
		2462	-12.92	≤8.00	PASS
11N40SISO	Ant1	2422	-17.16	≤8.00	PASS
		2437	-16.18	≤8.00	PASS
		2452	-16.89	≤8.00	PASS

Test Graphs

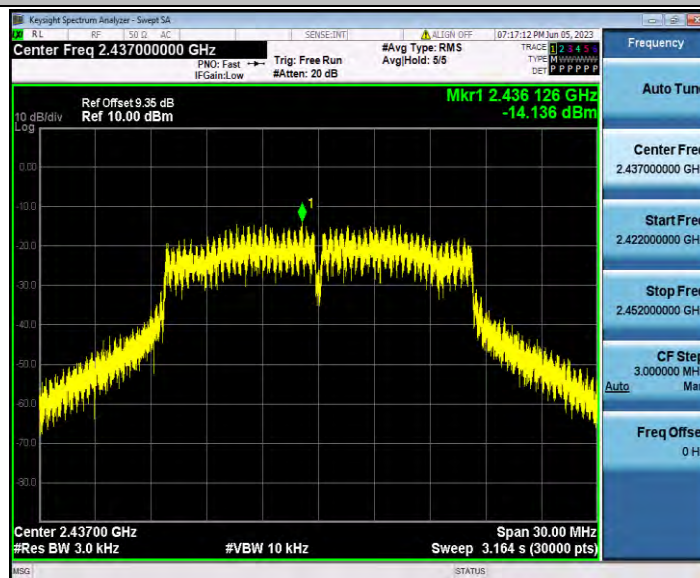




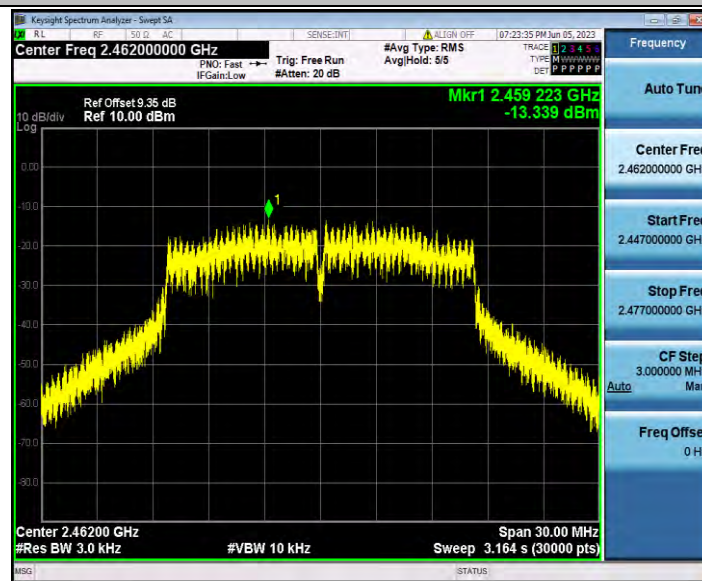
11B_Ant1_2462



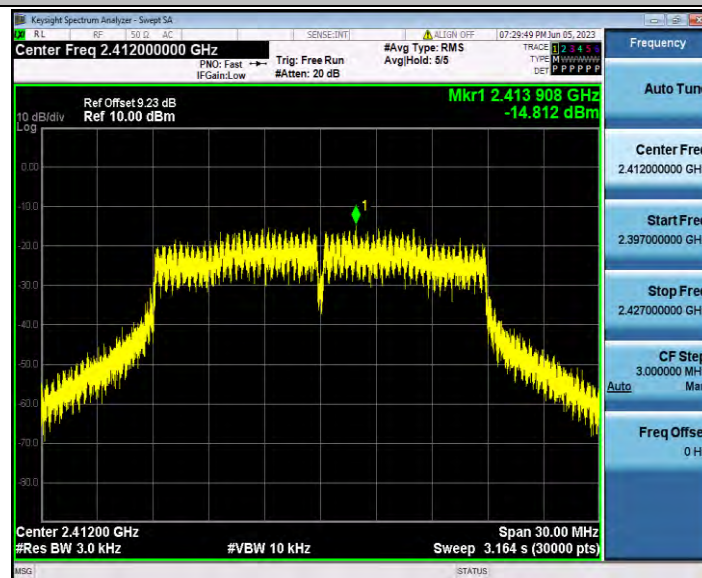
11G_Ant1_2412



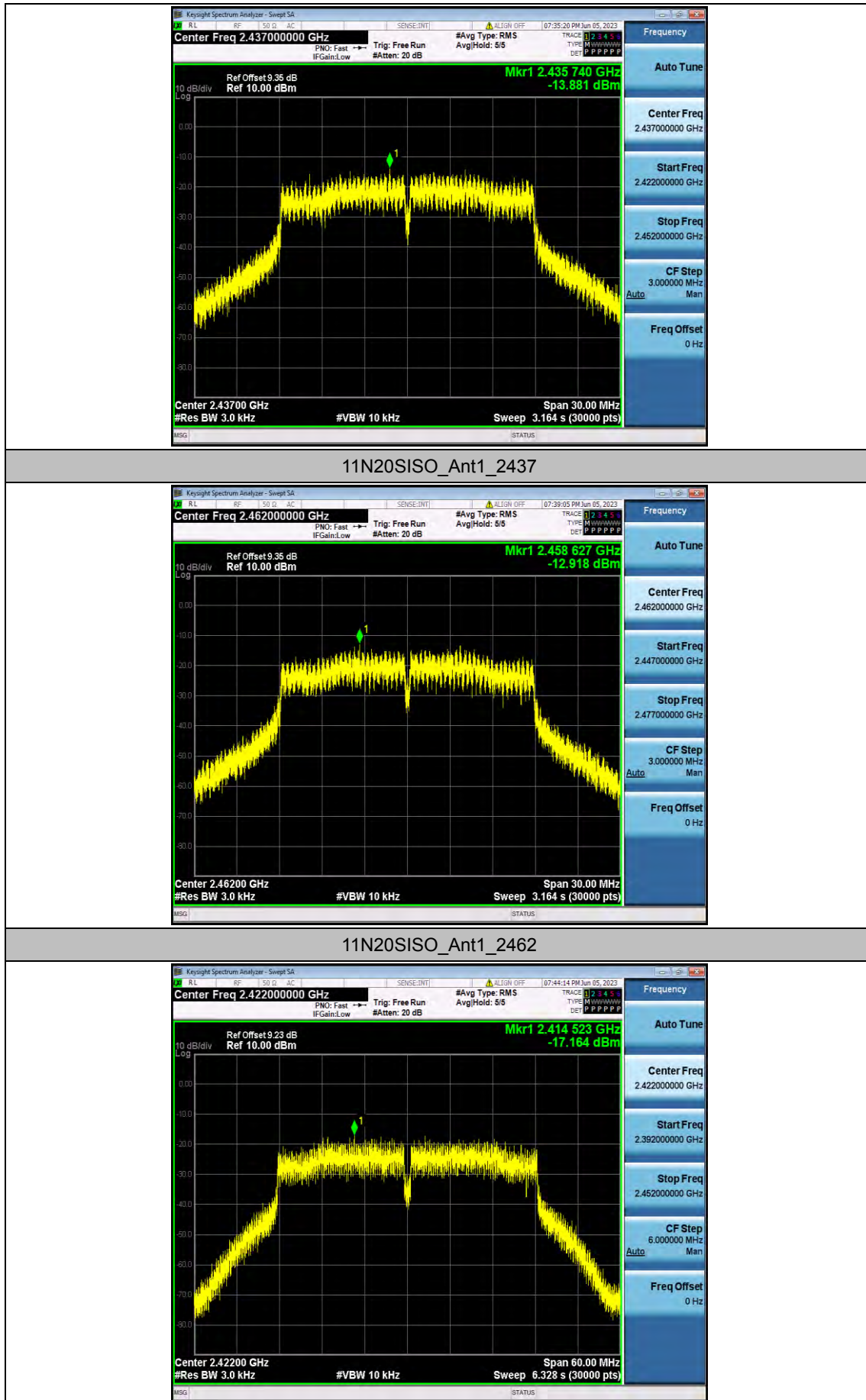
11G_Ant1_2437



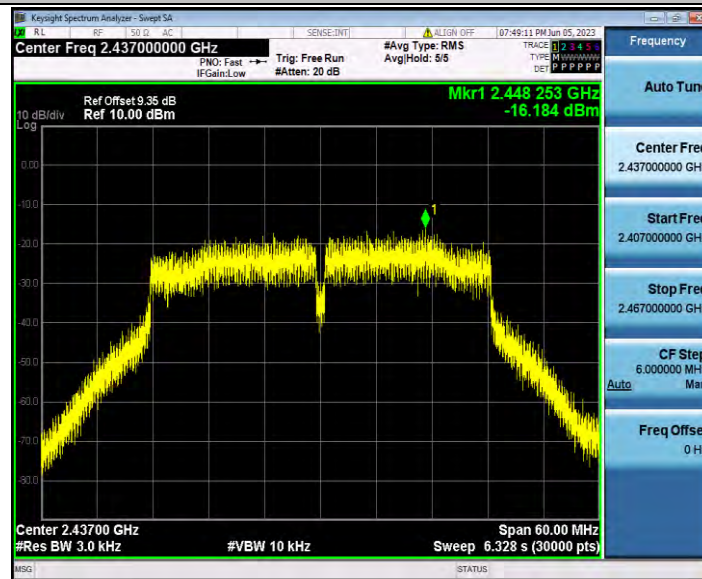
11G_Ant1_2462



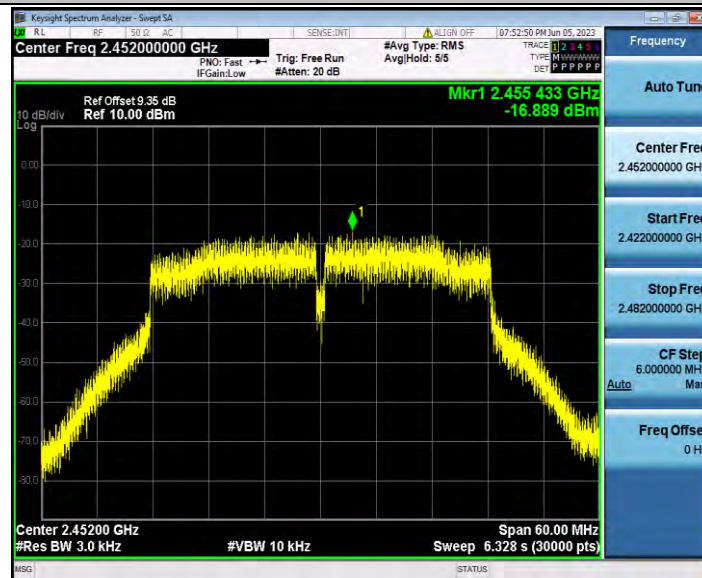
11N20SISO_Ant1_2412



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



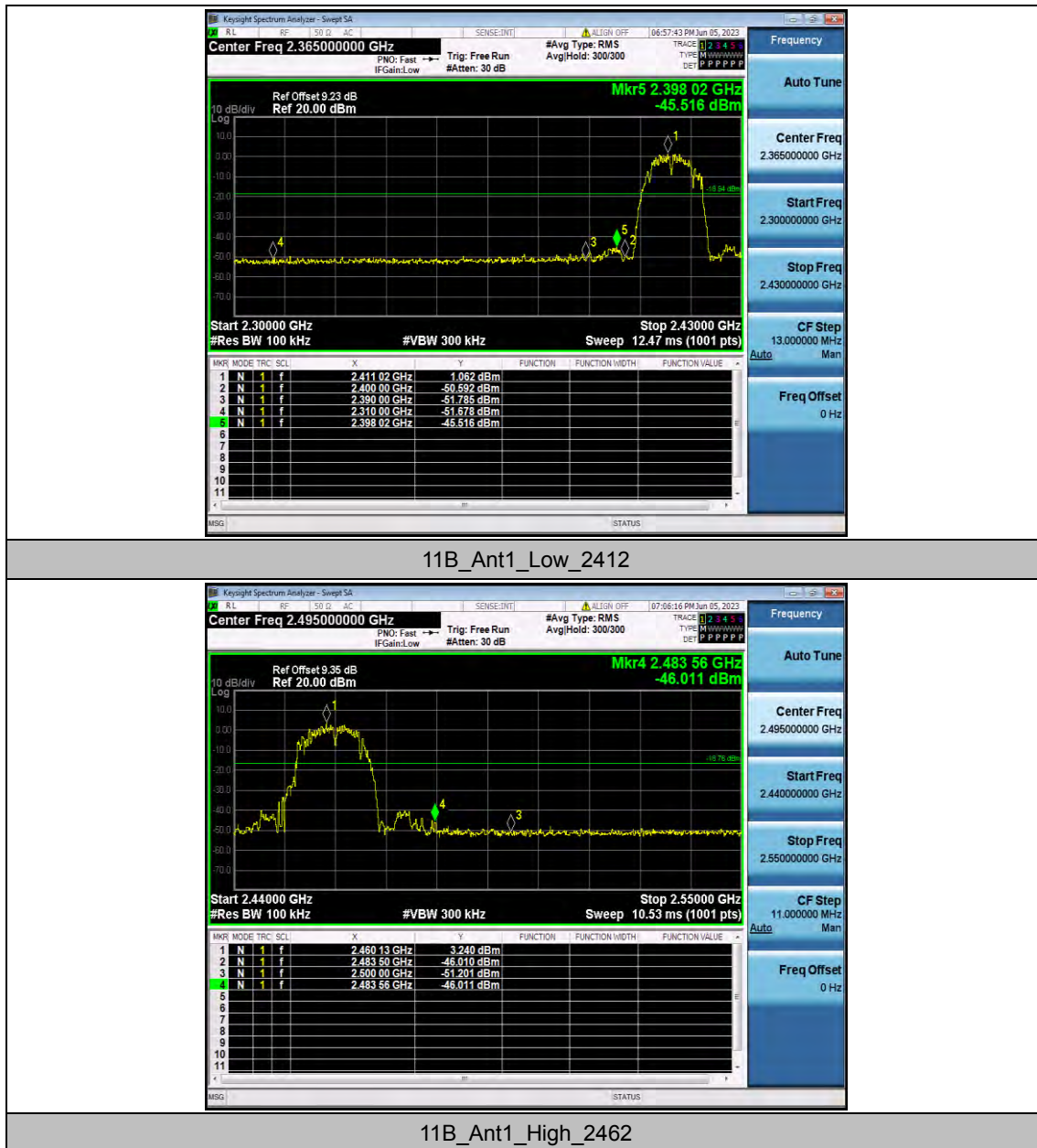
11N40SISO_Ant1_2452

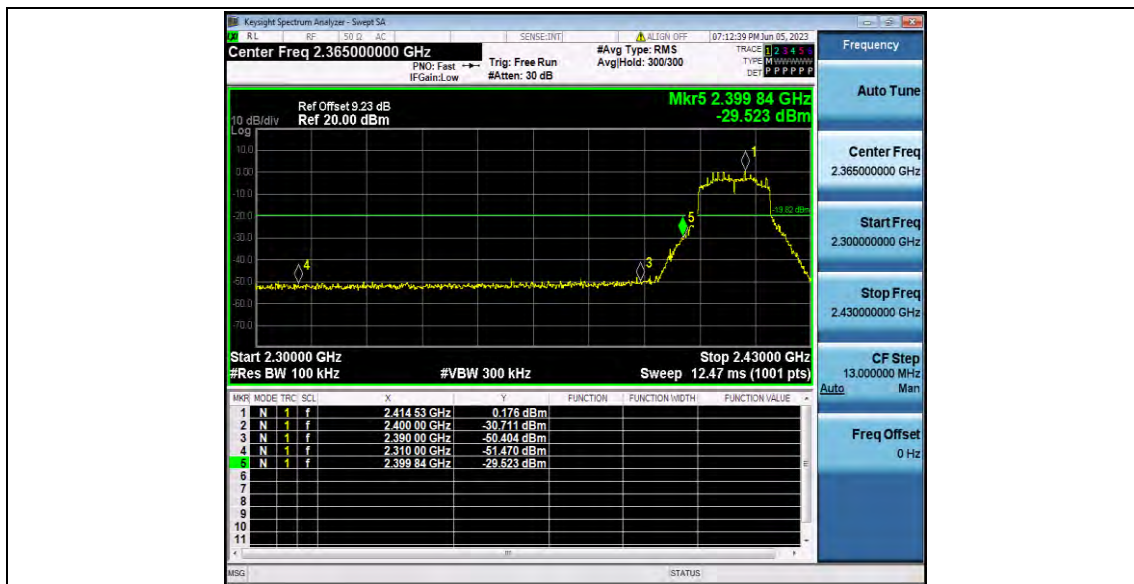
Appendix C.5: Band edge measurements

Test Result

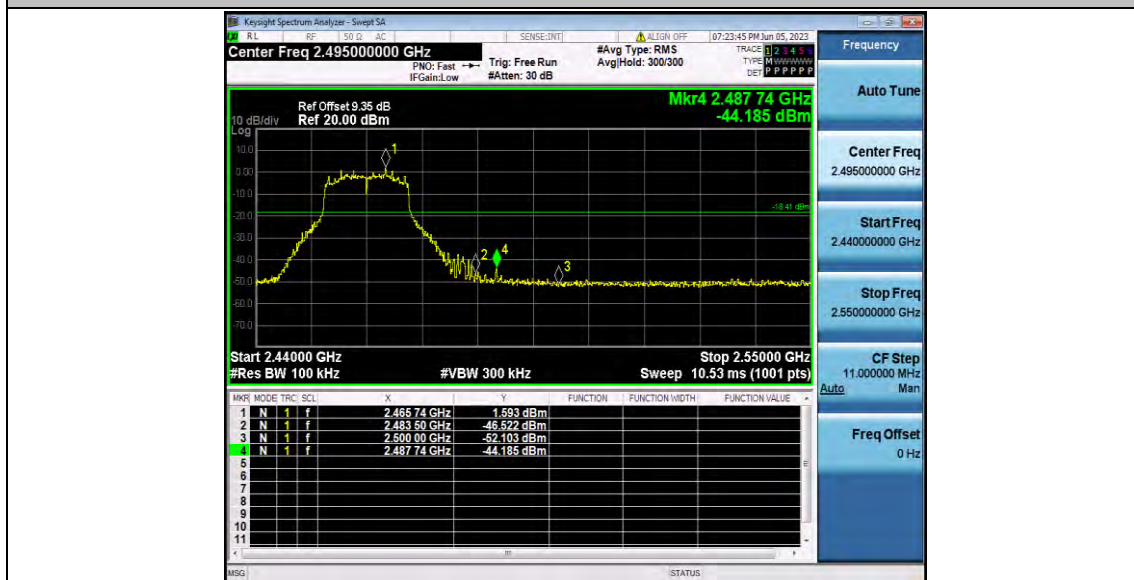
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.06	-45.52	≤ -18.94	PASS
		High	2462	3.24	-46.01	≤ -16.76	PASS
11G	Ant1	Low	2412	0.18	-29.52	≤ -19.82	PASS
		High	2462	1.59	-44.19	≤ -18.41	PASS
11N20SISO	Ant1	Low	2412	0.42	-29.83	≤ -19.58	PASS
		High	2462	1.58	-48.11	≤ -18.43	PASS
11N40SISO	Ant1	Low	2422	-2.34	-29.34	≤ -22.34	PASS
		High	2452	-1.75	-42.55	≤ -21.75	PASS

Test Graphs

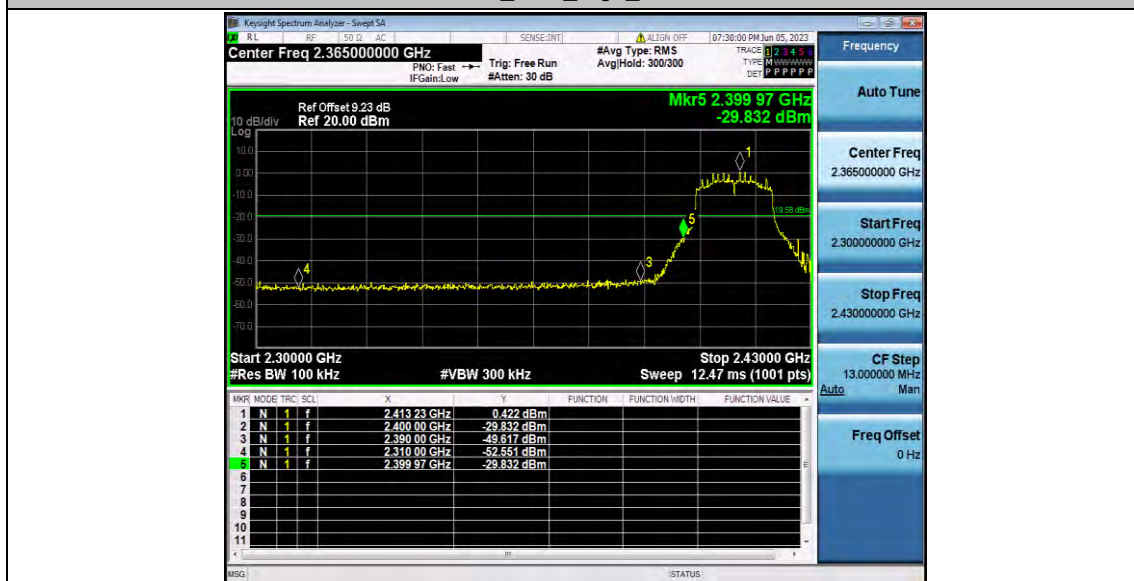




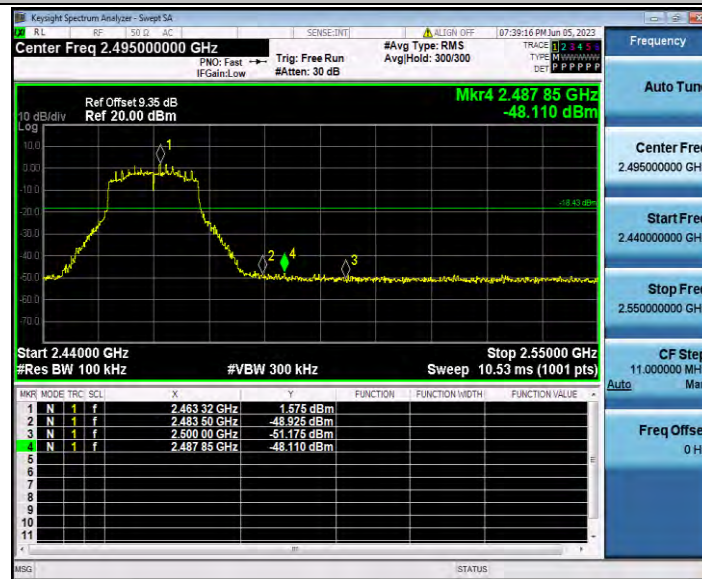
11G_Ant1_Low_2412



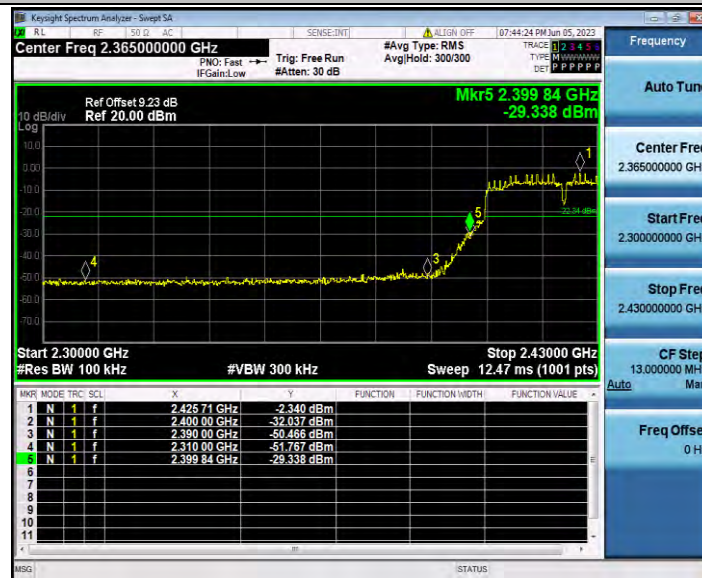
11G_Ant1_High_2462



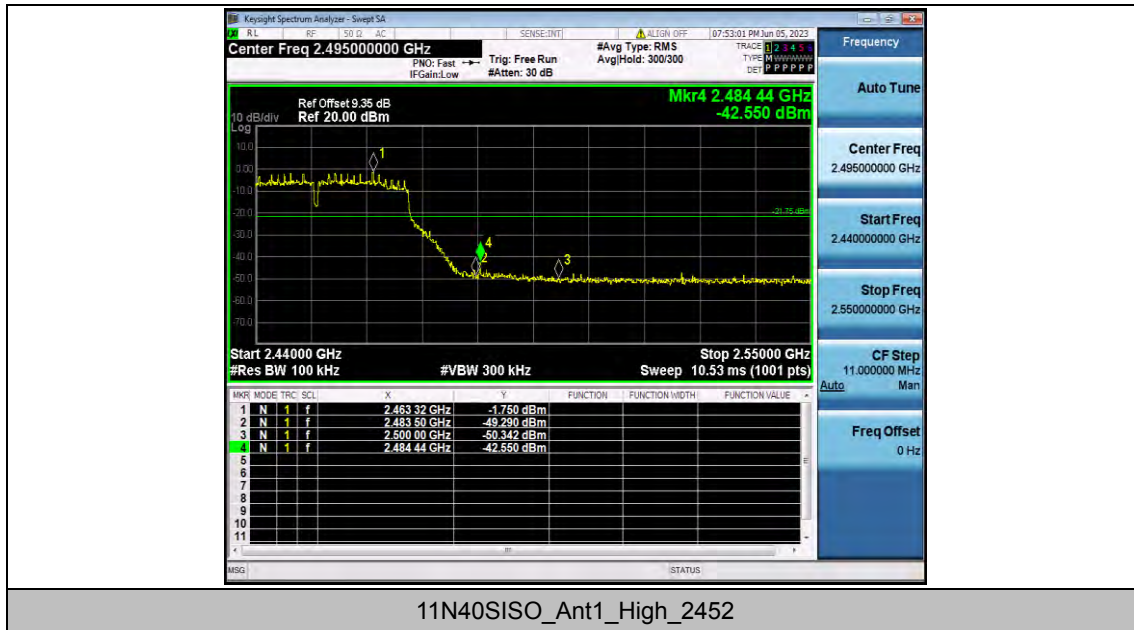
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422

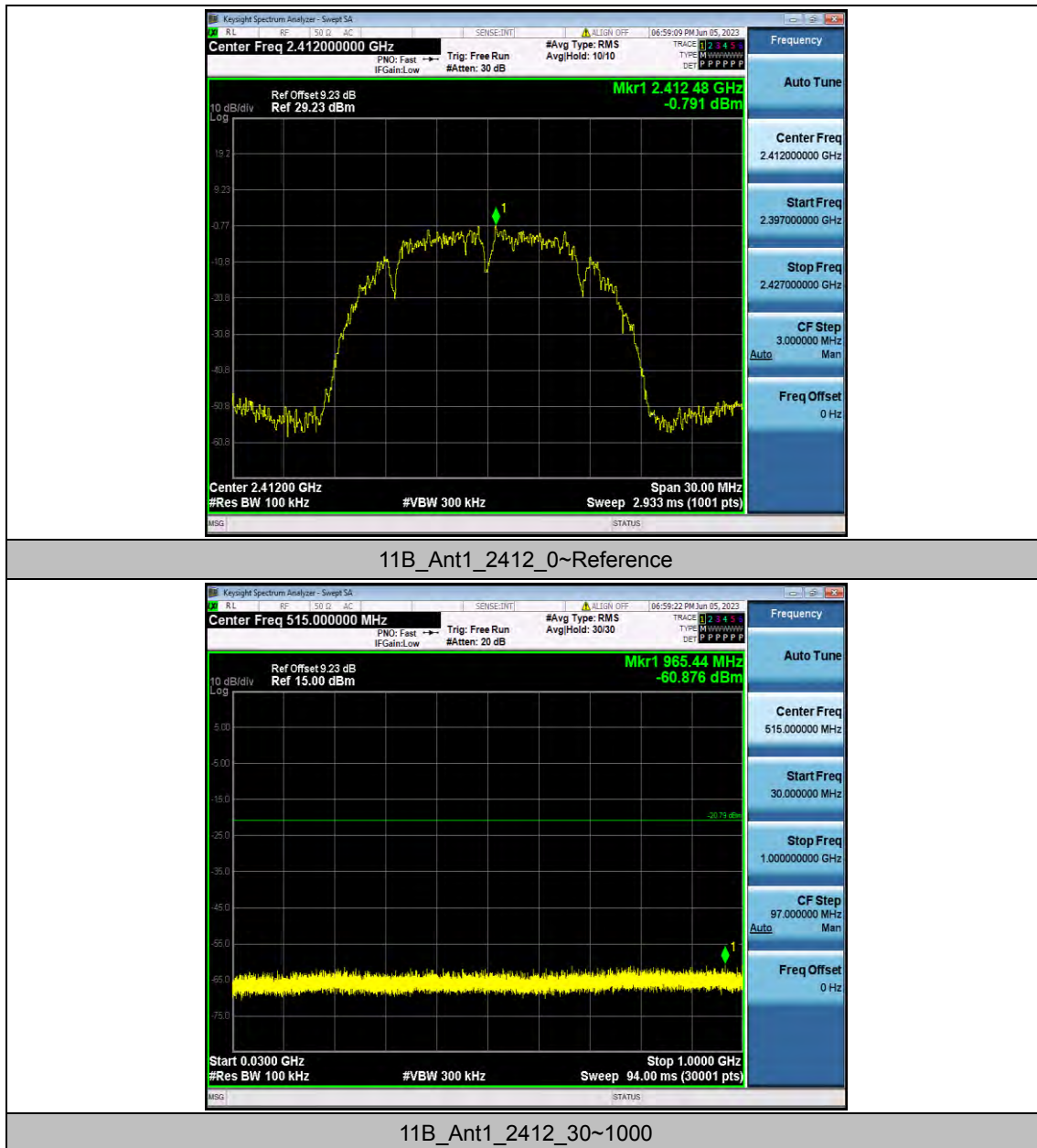


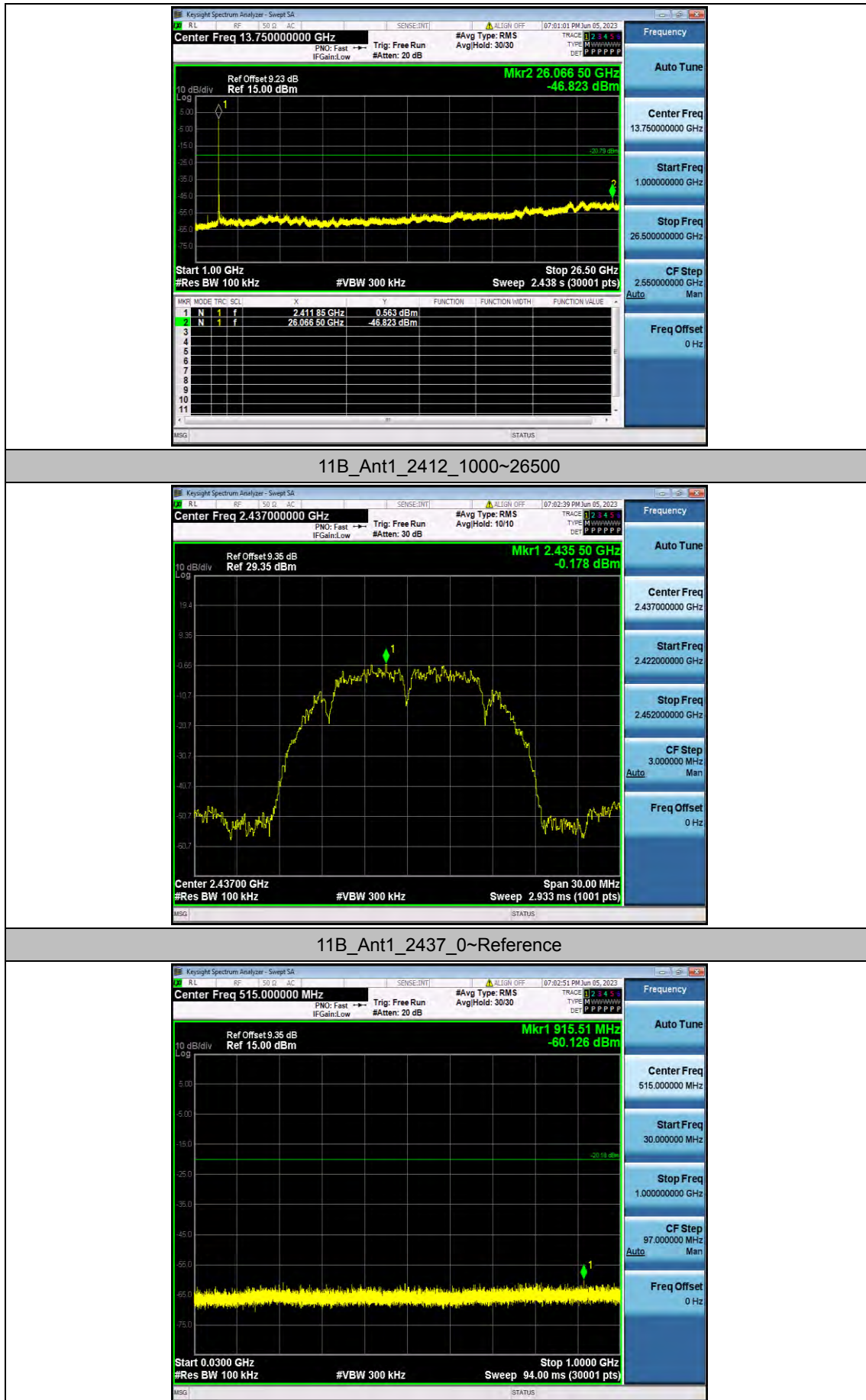
Appendix C.6: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-0.79	-0.79	---	PASS
			30~1000	-0.79	-60.88	≤ -20.79	PASS
			1000~26500	-0.79	-46.82	≤ -20.79	PASS
		2437	Reference	-0.18	-0.18	---	PASS
			30~1000	-0.18	-60.13	≤ -20.18	PASS
			1000~26500	-0.18	-47.61	≤ -20.18	PASS
		2462	Reference	2.14	2.14	---	PASS
			30~1000	2.14	-60.06	≤ -17.86	PASS
			1000~26500	2.14	-47.61	≤ -17.86	PASS
11G	Ant1	2412	Reference	-3.00	-3.00	---	PASS
			30~1000	-3.00	-60.45	≤ -23	PASS
			1000~26500	-3.00	-47.29	≤ -23	PASS
		2437	Reference	-2.29	-2.29	---	PASS
			30~1000	-2.29	-59.99	≤ -22.29	PASS
			1000~26500	-2.29	-47.23	≤ -22.29	PASS
		2462	Reference	1.09	1.09	---	PASS
			30~1000	1.09	-59.93	≤ -18.91	PASS
			1000~26500	1.09	-47.41	≤ -18.91	PASS
11N20SISO	Ant1	2412	Reference	-3.48	-3.48	---	PASS
			30~1000	-3.48	-59.19	≤ -23.48	PASS
			1000~26500	-3.48	-47.4	≤ -23.48	PASS
		2437	Reference	-2.95	-2.95	---	PASS
			30~1000	-2.95	-59.81	≤ -22.95	PASS
			1000~26500	-2.95	-47.35	≤ -22.95	PASS
		2462	Reference	1.35	1.35	---	PASS
			30~1000	1.35	-60.44	≤ -18.65	PASS
			1000~26500	1.35	-47.09	≤ -18.65	PASS
11N40SISO	Ant1	2422	Reference	-2.66	-2.66	---	PASS
			30~1000	-2.66	-60.57	≤ -22.66	PASS
			1000~26500	-2.66	-46.68	≤ -22.66	PASS
		2437	Reference	-4.76	-4.76	---	PASS
			30~1000	-4.76	-60.16	≤ -24.76	PASS
			1000~26500	-4.76	-46.99	≤ -24.76	PASS
		2452	Reference	-3.92	-3.92	---	PASS
			30~1000	-3.92	-59.82	≤ -23.92	PASS
			1000~26500	-3.92	-47.12	≤ -23.92	PASS

Test Graphs





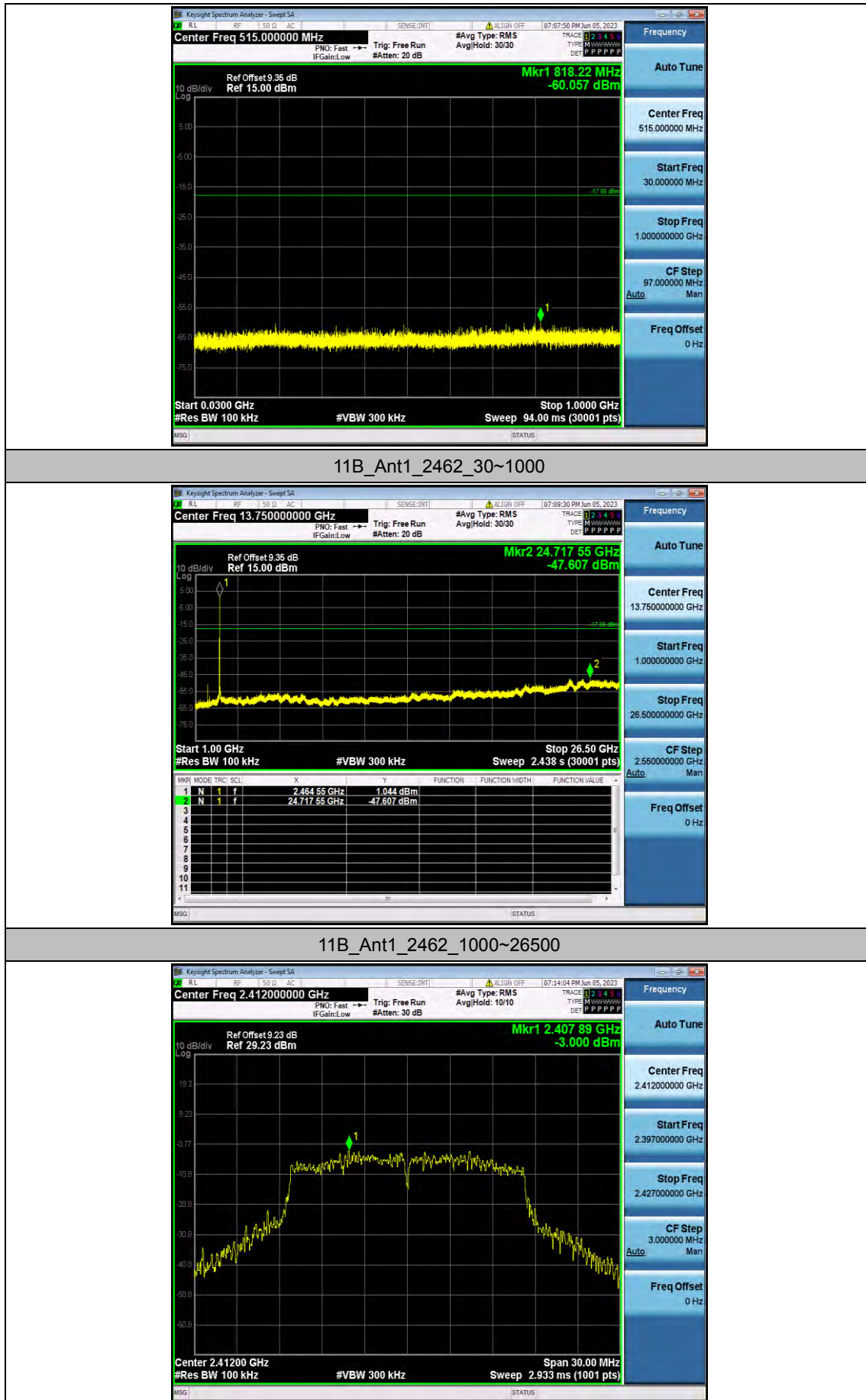
11B_Ant1_2437_30~1000

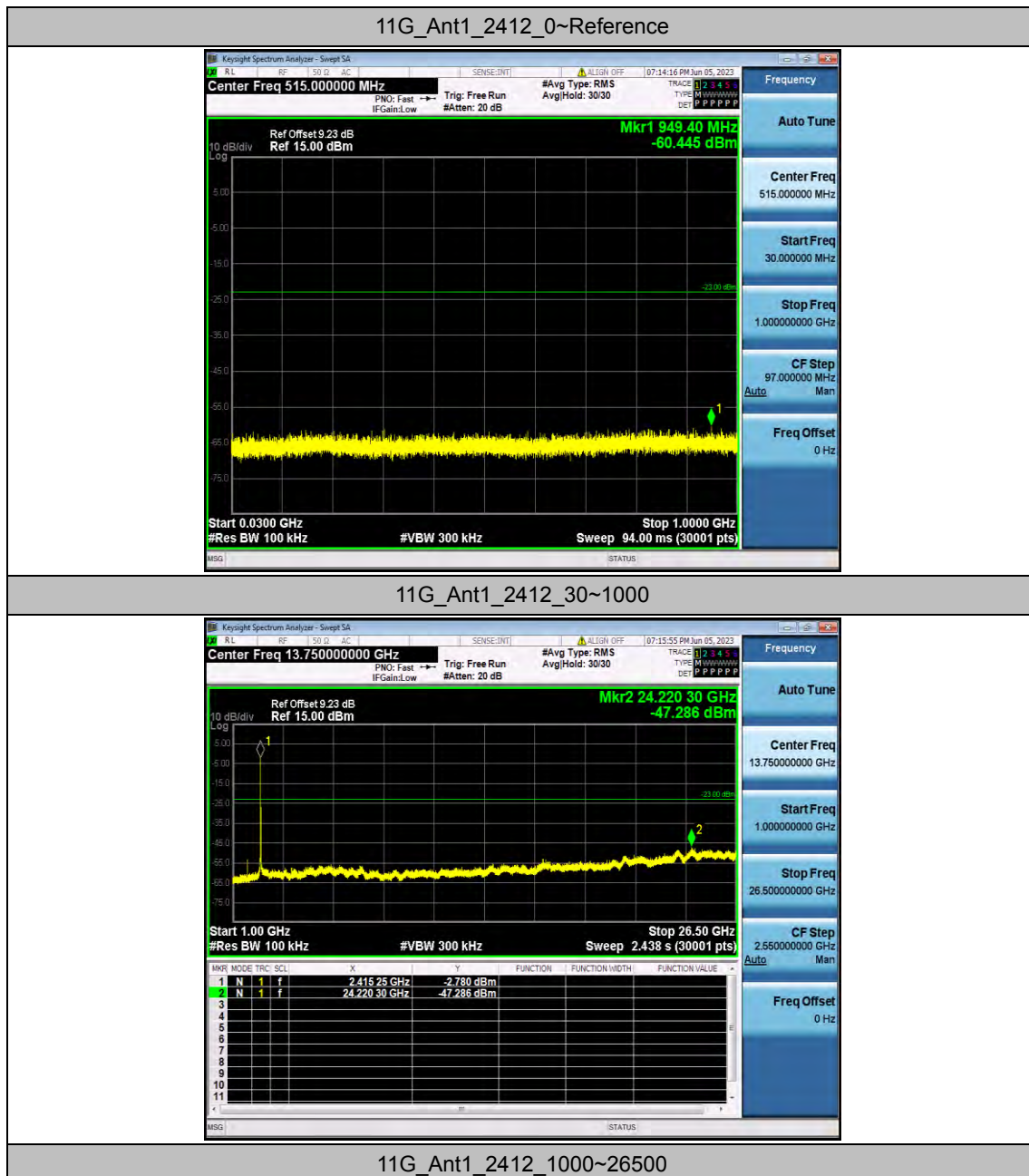


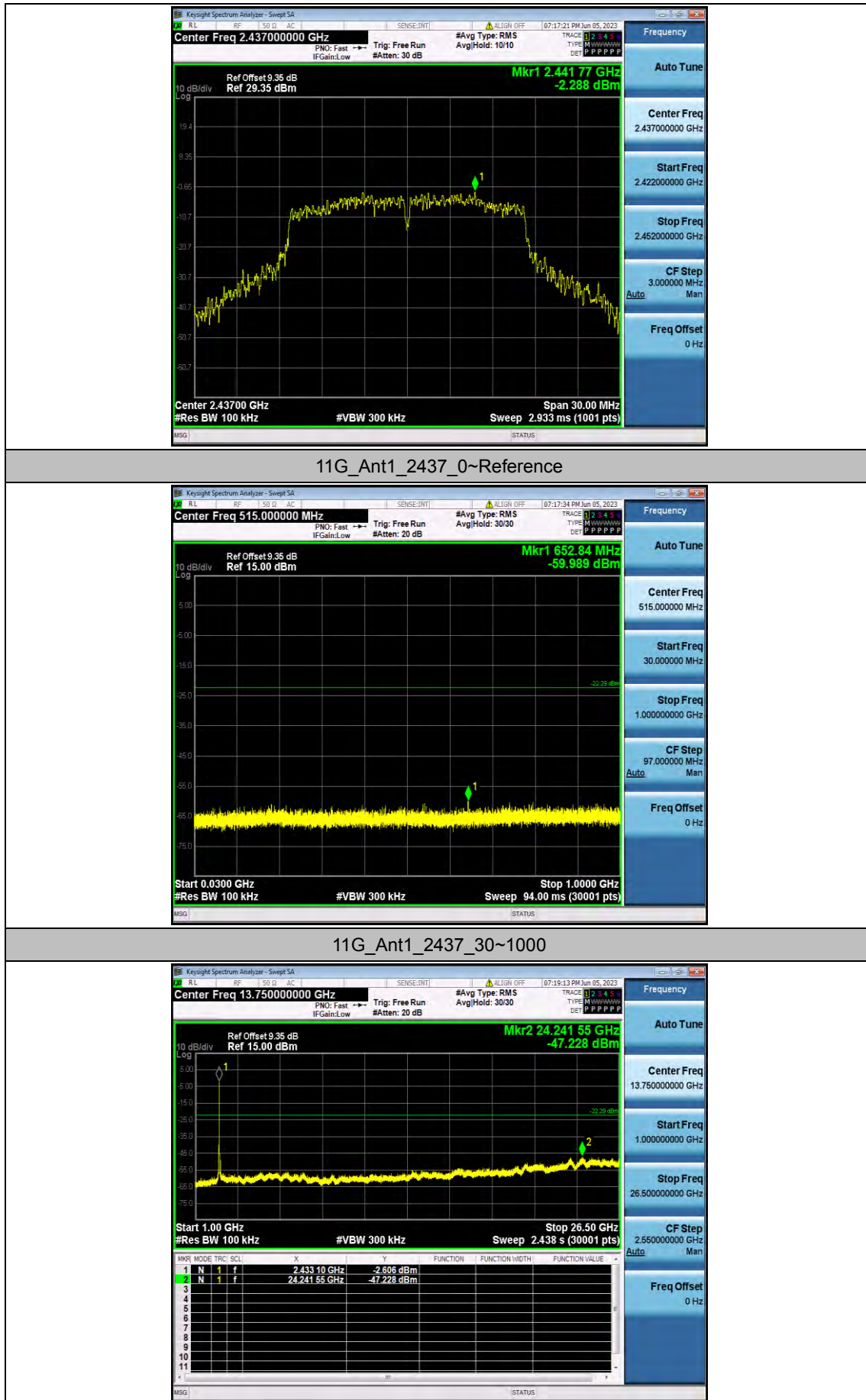
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



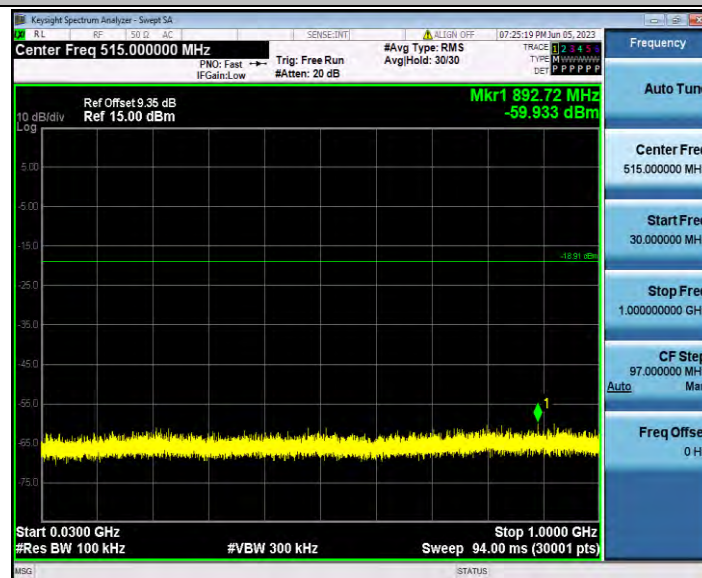




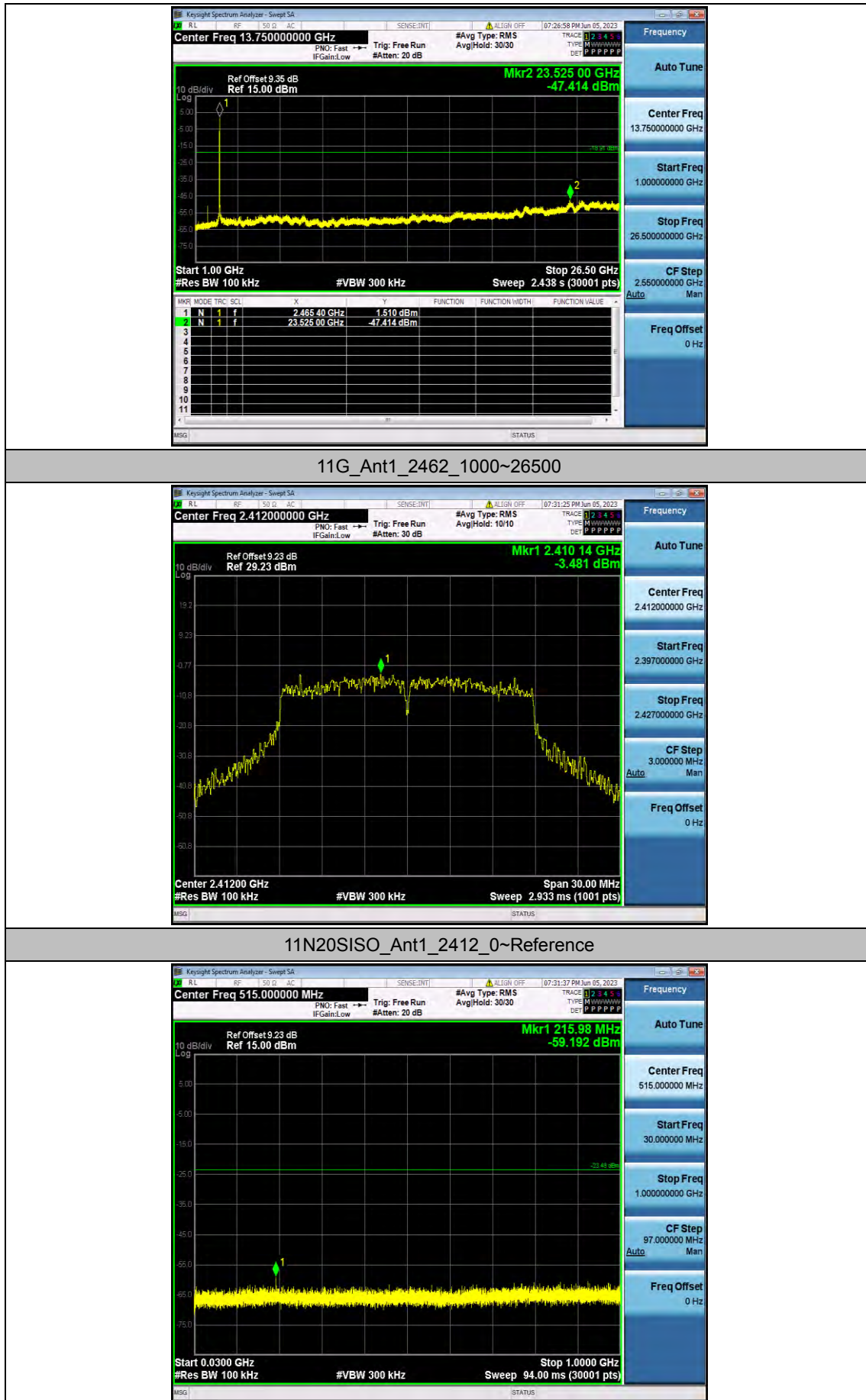
11G_Ant1_2437_1000~26500



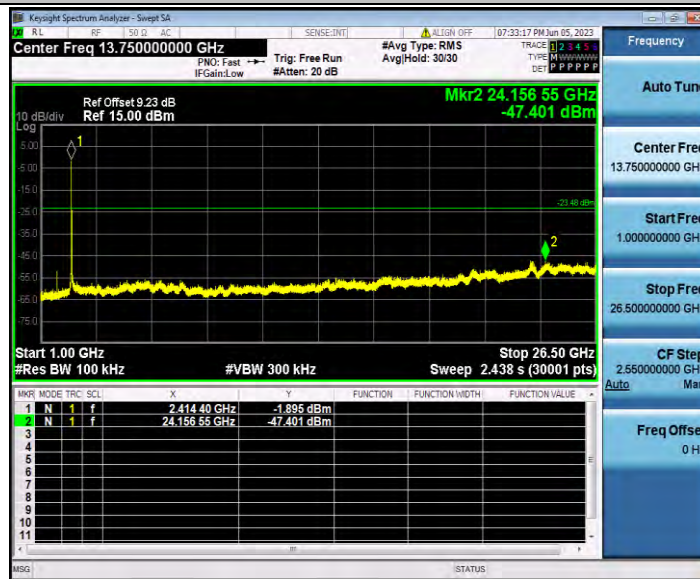
11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



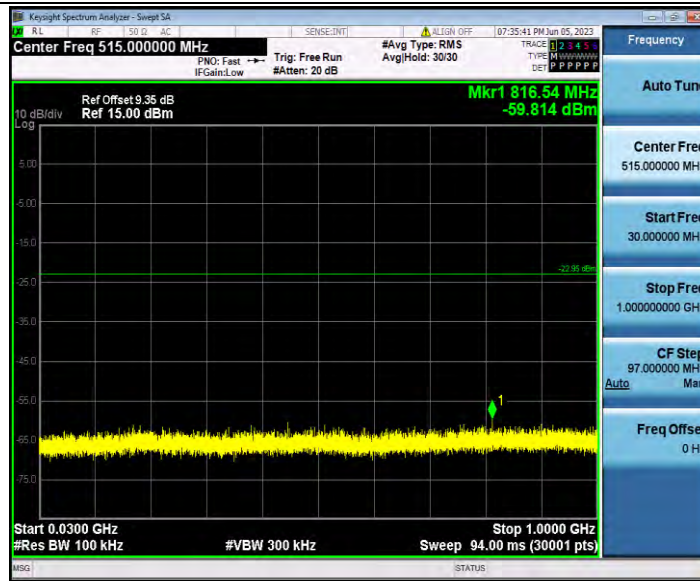
11N20SISO_Ant1_2412_30~1000



11N20SISO_Ant1_2412_1000~26500



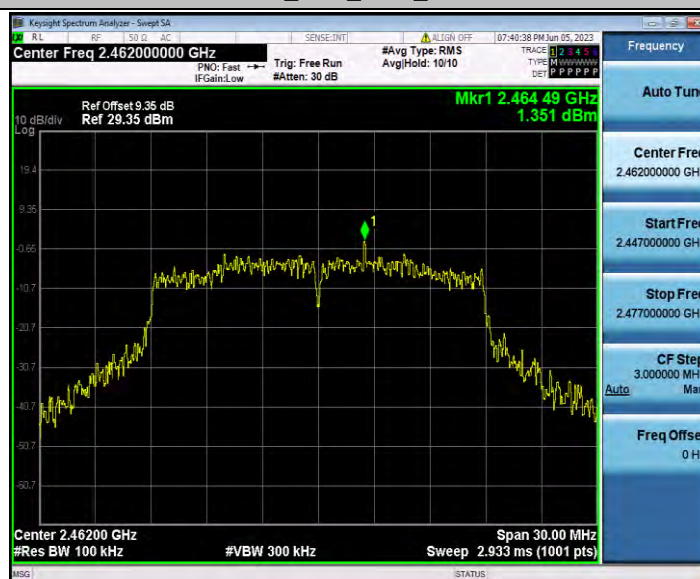
11N20SISO_Ant1_2437_0~Reference



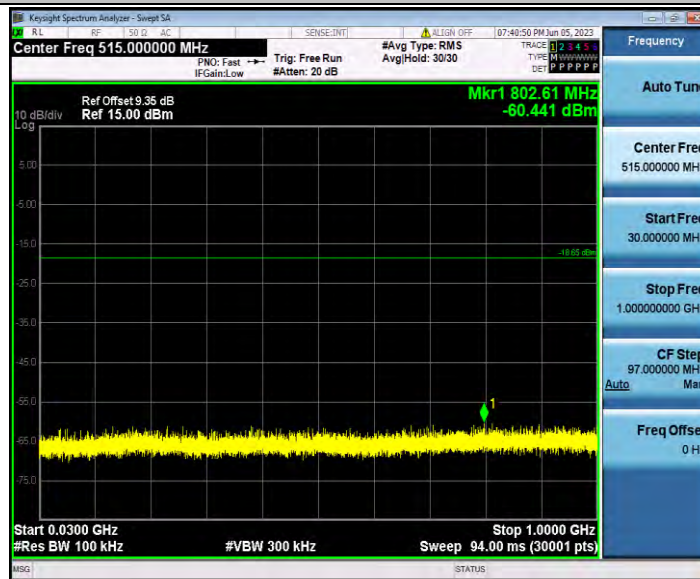
11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2437_1000~26500



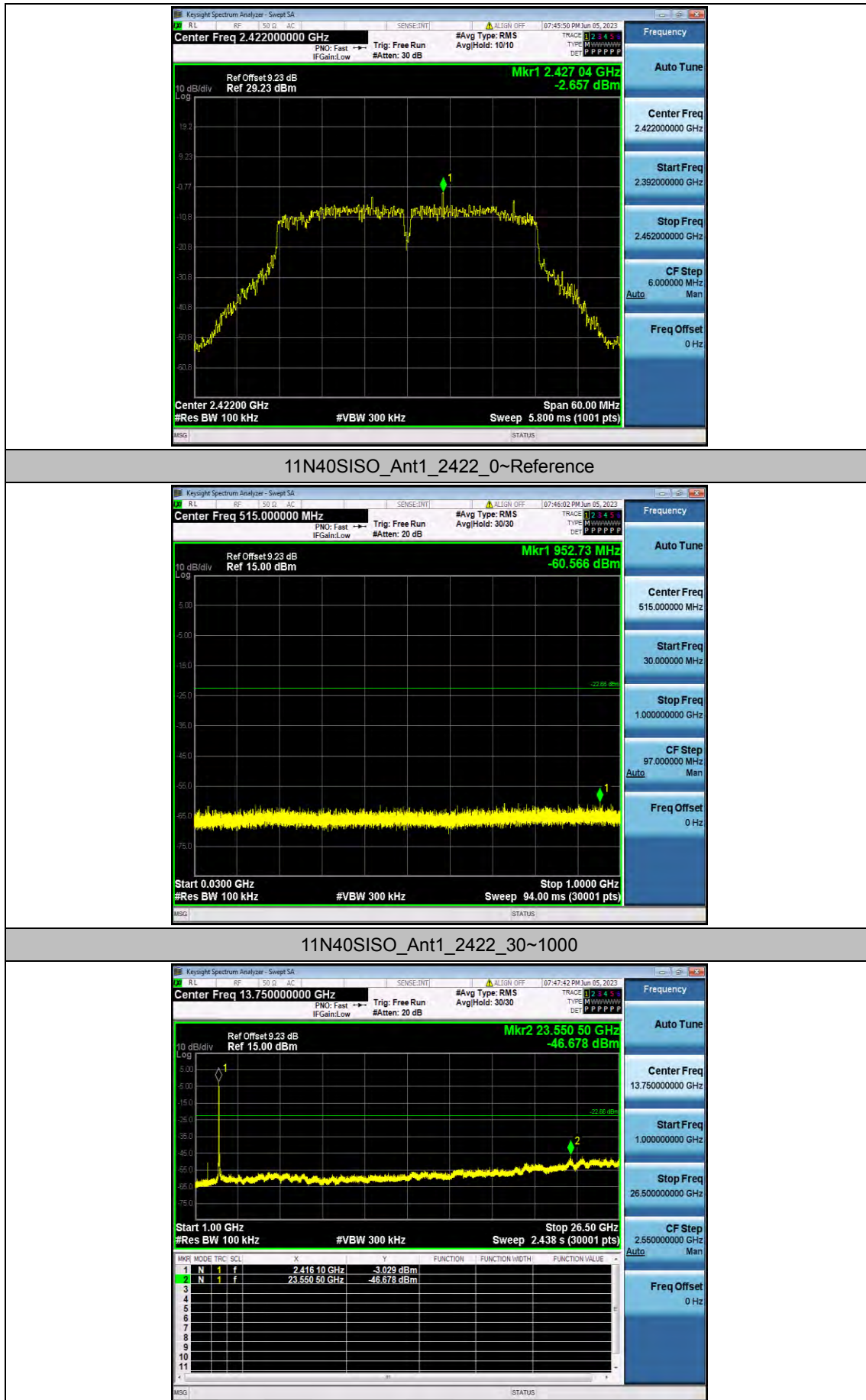
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



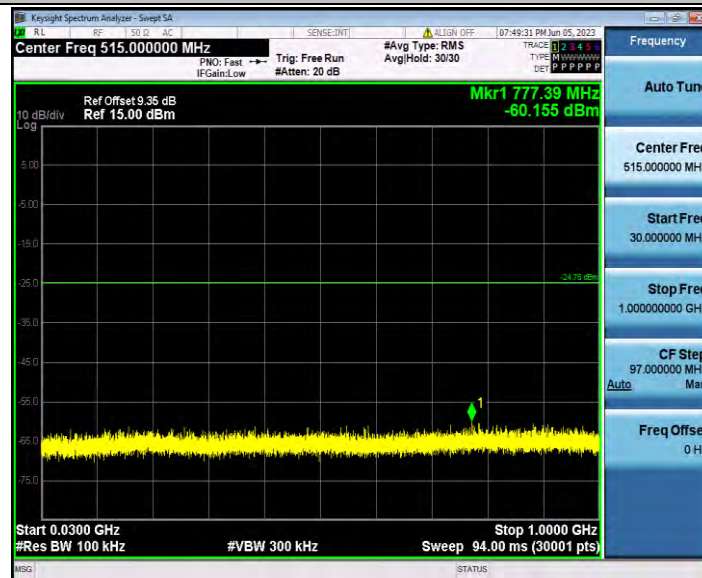
11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000

