

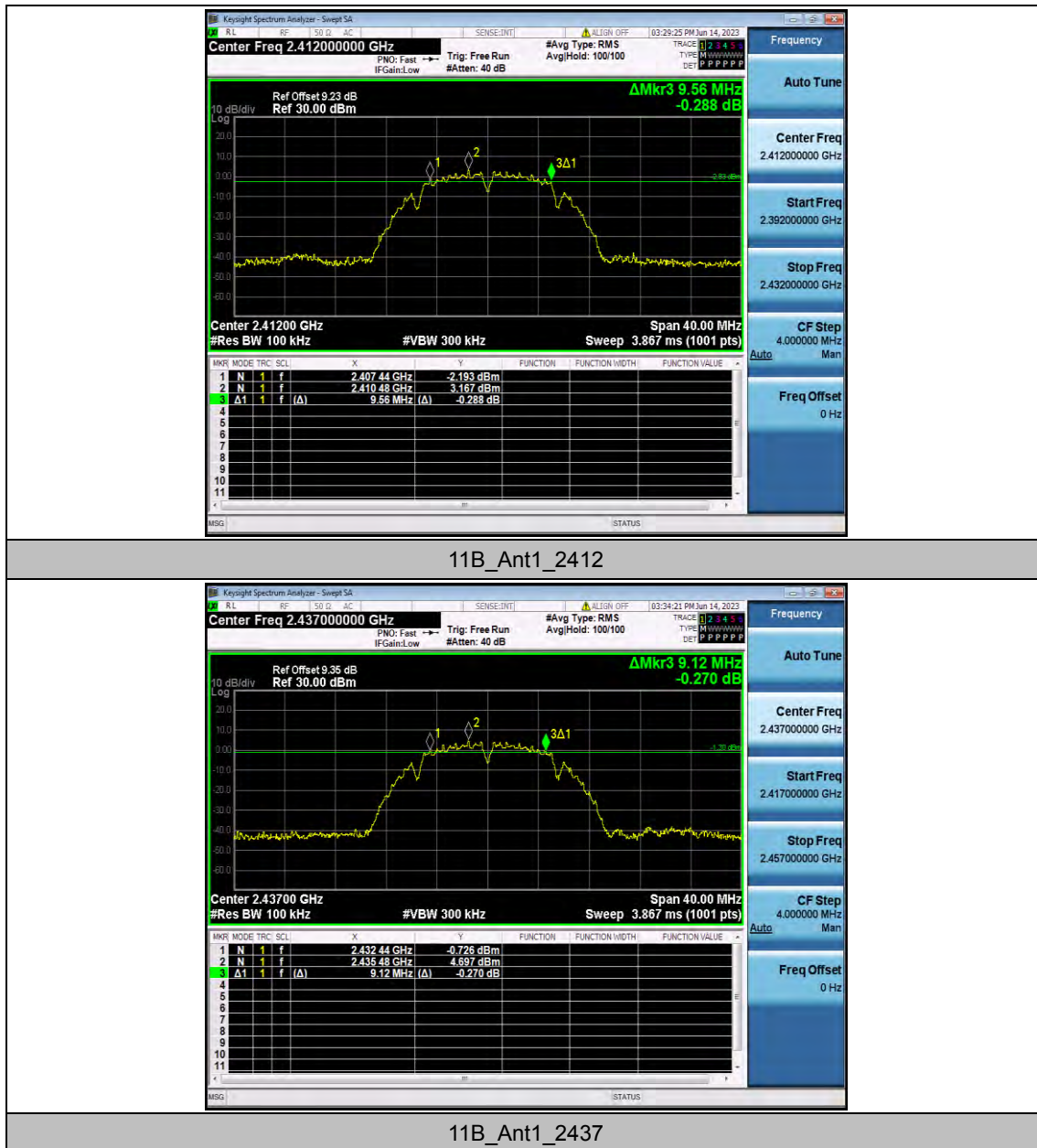
Case No. : <u>GTS20230525016-1-21</u>	
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.6.13</u>	Test Engineer: <u>Jenny zeng</u>

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	9.560	2407.440	2417.000	0.5	PASS
		2437	9.120	2432.440	2441.560	0.5	PASS
		2462	9.120	2457.440	2466.560	0.5	PASS
11G	Ant1	2412	13.560	2406.000	2419.560	0.5	PASS
		2437	15.240	2429.520	2444.760	0.5	PASS
		2462	12.840	2455.680	2468.520	0.5	PASS
11N20SISO	Ant1	2412	16.920	2403.840	2420.760	0.5	PASS
		2437	12.920	2431.600	2444.520	0.5	PASS
		2462	14.680	2454.840	2469.520	0.5	PASS
11N40SISO	Ant1	2422	33.840	2405.680	2439.520	0.5	PASS
		2437	34.960	2419.560	2454.520	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS

Test Graphs





11B_Ant1_2462



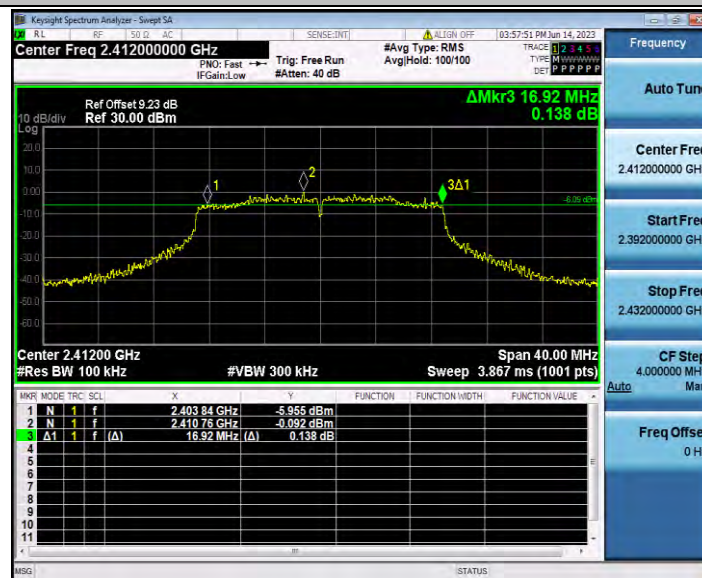
11G_Ant1_2412



11G_Ant1_2437



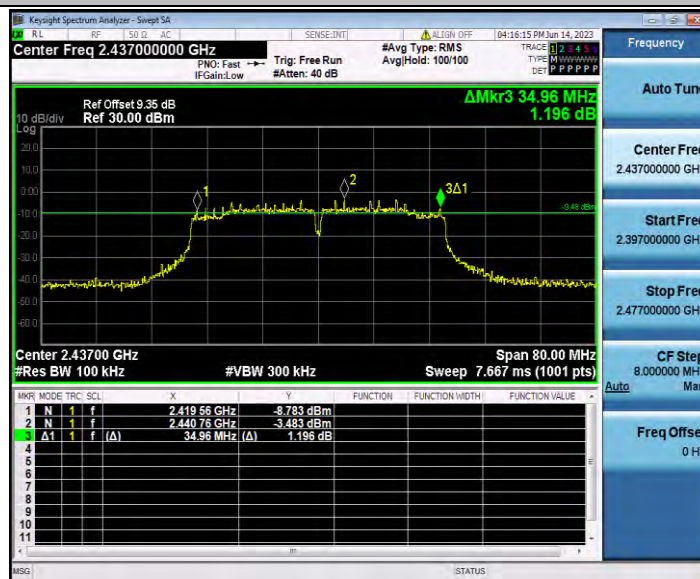
11G_Ant1_2462



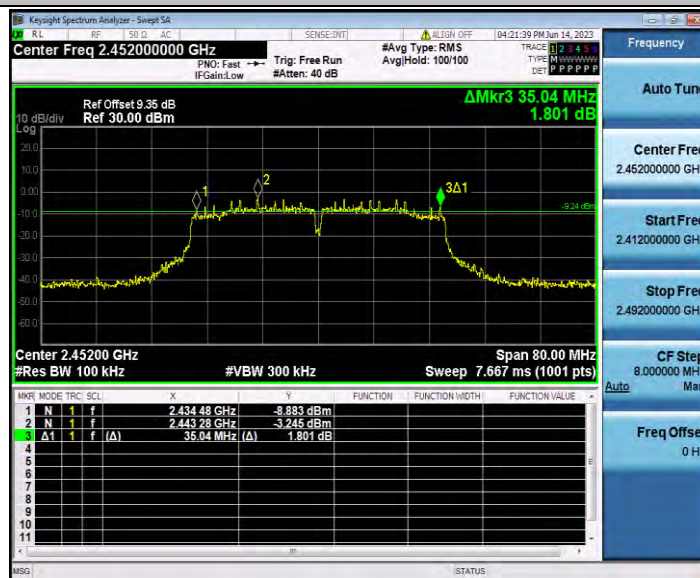
11N20SISO_Ant1_2412



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



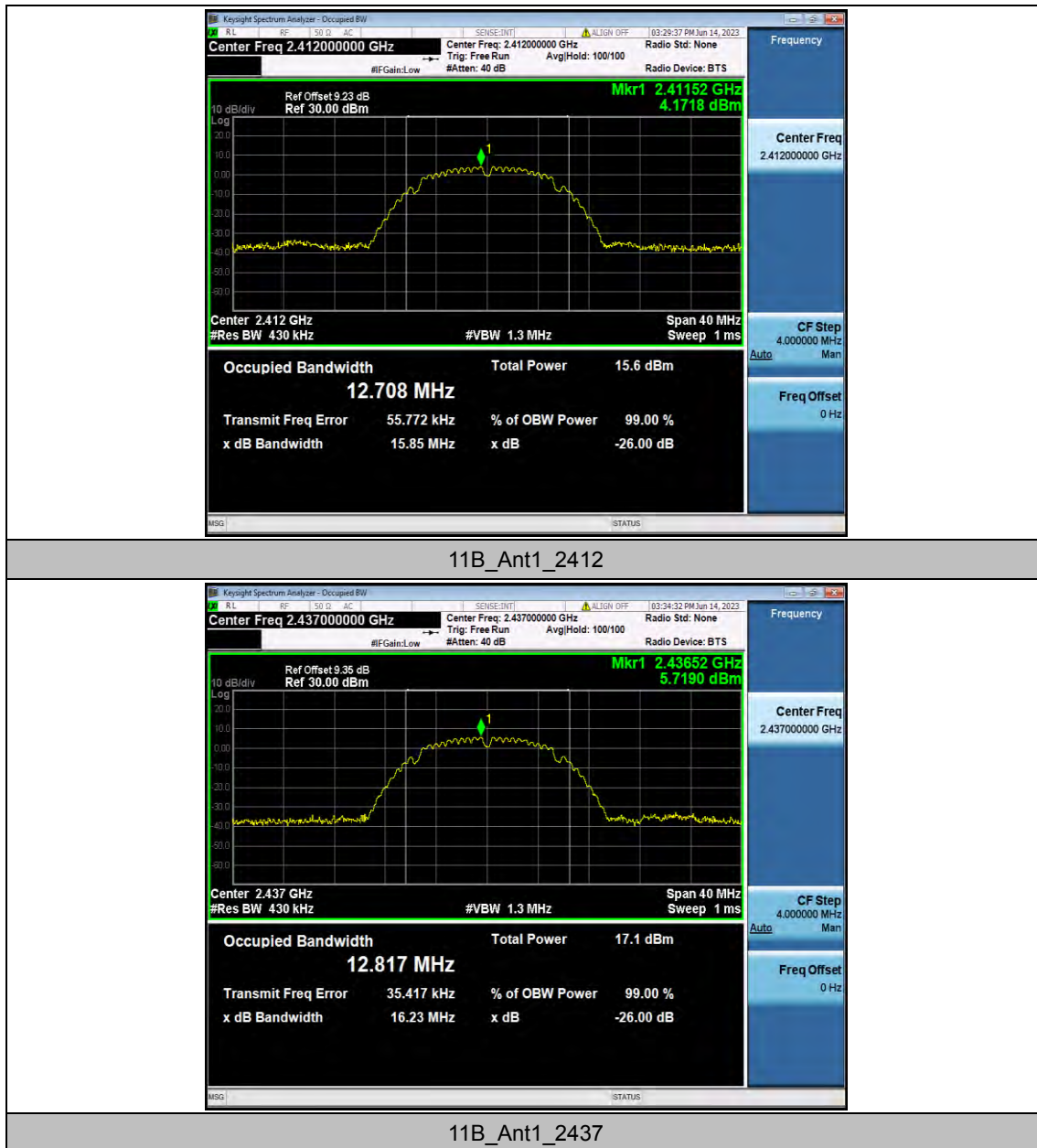
11N40SISO_Ant1_2452

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	12.708	2405.702	2418.410	---	---
		2437	12.817	2430.627	2443.444	---	---
		2462	12.769	2455.600	2468.369	---	---
11G	Ant1	2412	16.763	2403.684	2420.447	---	---
		2437	16.873	2428.563	2445.436	---	---
		2462	16.783	2453.569	2470.352	---	---
11N20SISO	Ant1	2412	17.900	2403.085	2420.985	---	---
		2437	17.926	2428.075	2446.001	---	---
		2462	17.916	2452.996	2470.912	---	---
11N40SISO	Ant1	2422	36.119	2403.999	2440.118	---	---
		2437	36.131	2419.012	2455.143	---	---
		2452	36.187	2433.870	2470.057	---	---

Test Graphs





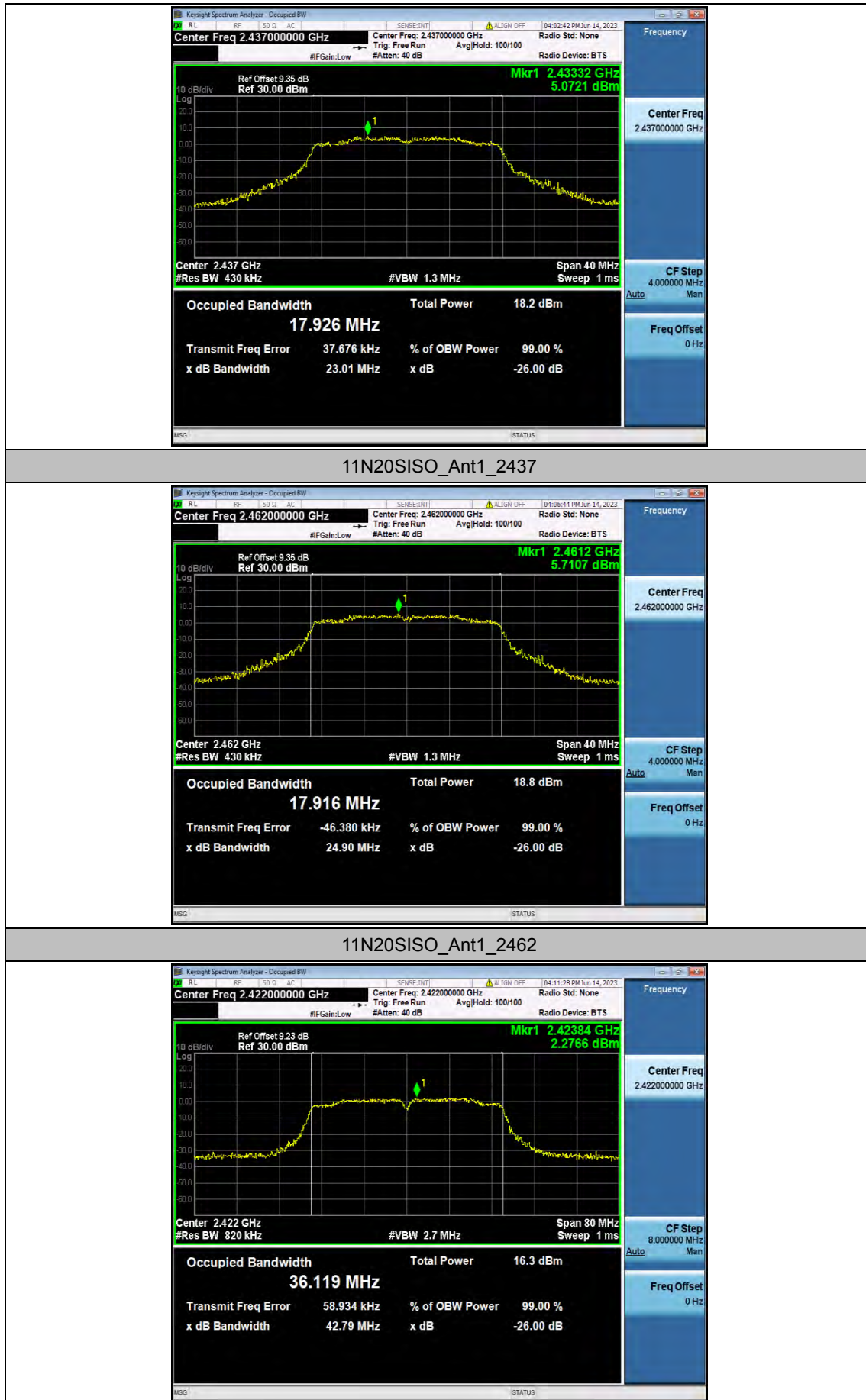
11G_Ant1_2437



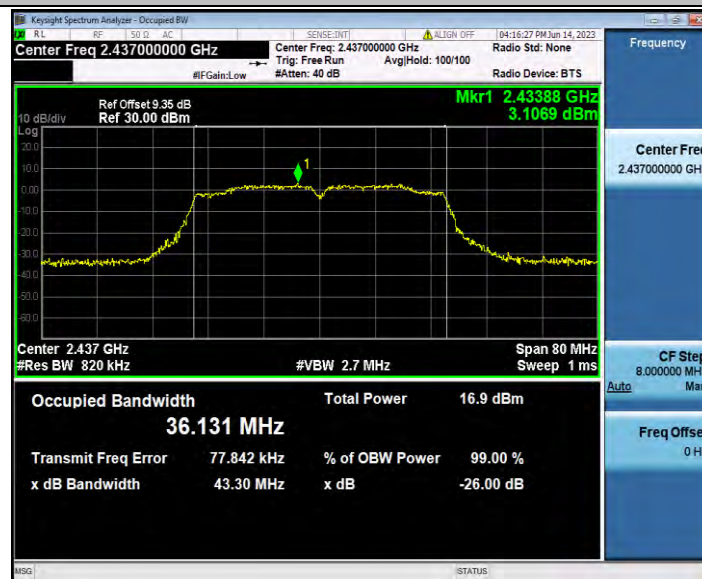
11G_Ant1_2462



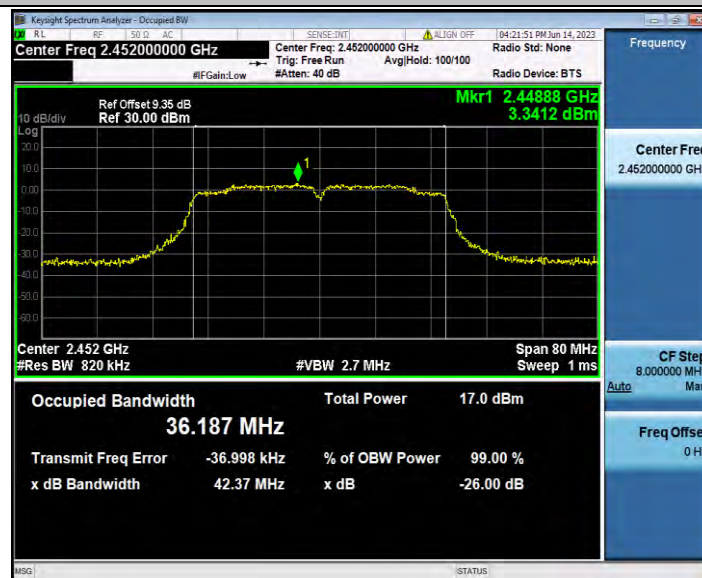
11N20SISO_Ant1_2412



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

Appendix C.3: Maximum conducted output power

Test Result Peak

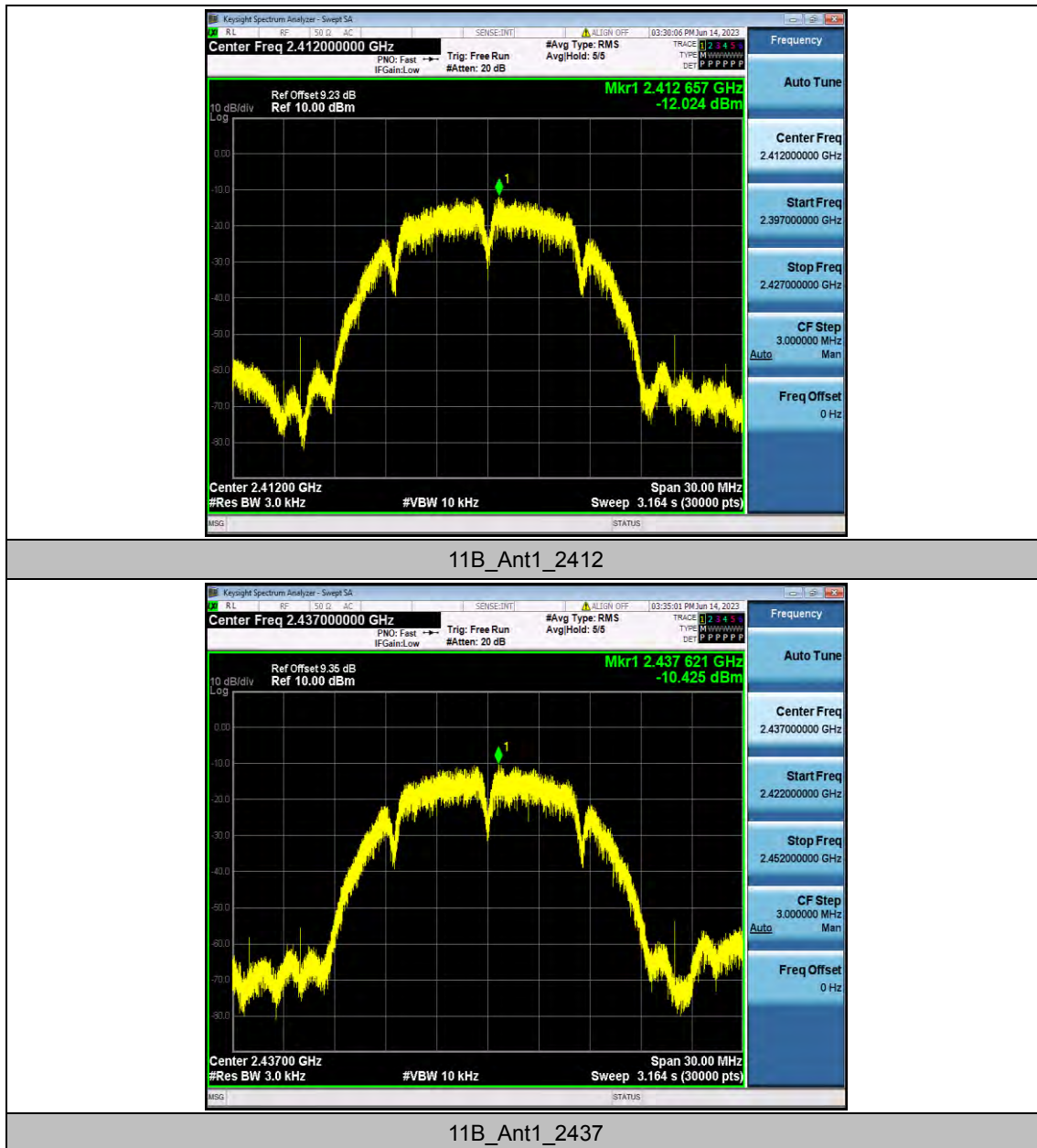
Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	15.60	≤30.00	PASS
		2437	17.18	≤30.00	PASS
		2462	17.36	≤30.00	PASS
11G	Ant1	2412	20.59	≤30.00	PASS
		2437	19.55	≤30.00	PASS
		2462	19.84	≤30.00	PASS
11N20SISO	Ant1	2412	18.93	≤30.00	PASS
		2437	19.32	≤30.00	PASS
		2462	19.91	≤30.00	PASS
11N40SISO	Ant1	2422	16.60	≤30.00	PASS
		2437	17.11	≤30.00	PASS
		2452	17.37	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

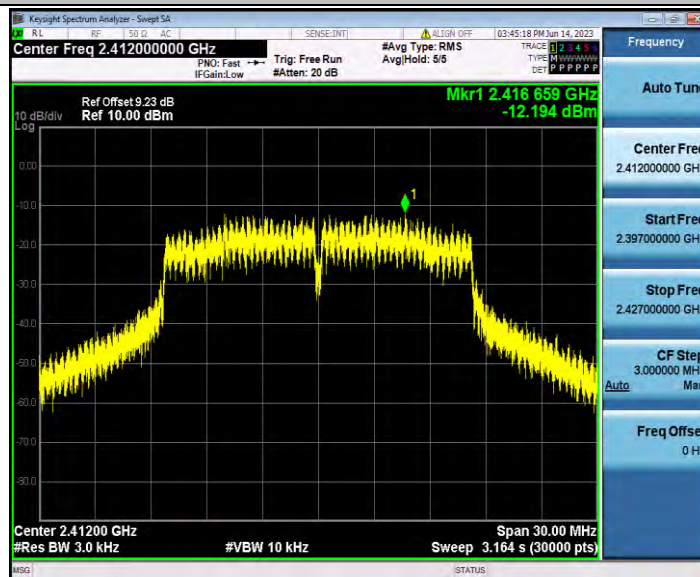
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.02	≤8.00	PASS
		2437	-10.43	≤8.00	PASS
		2462	-9.81	≤8.00	PASS
11G	Ant1	2412	-12.19	≤8.00	PASS
		2437	-12.75	≤8.00	PASS
		2462	-12.11	≤8.00	PASS
11N20SISO	Ant1	2412	-13.09	≤8.00	PASS
		2437	-12.75	≤8.00	PASS
		2462	-12.3	≤8.00	PASS
11N40SISO	Ant1	2422	-18.23	≤8.00	PASS
		2437	-18.36	≤8.00	PASS
		2452	-18.32	≤8.00	PASS

Test Graphs

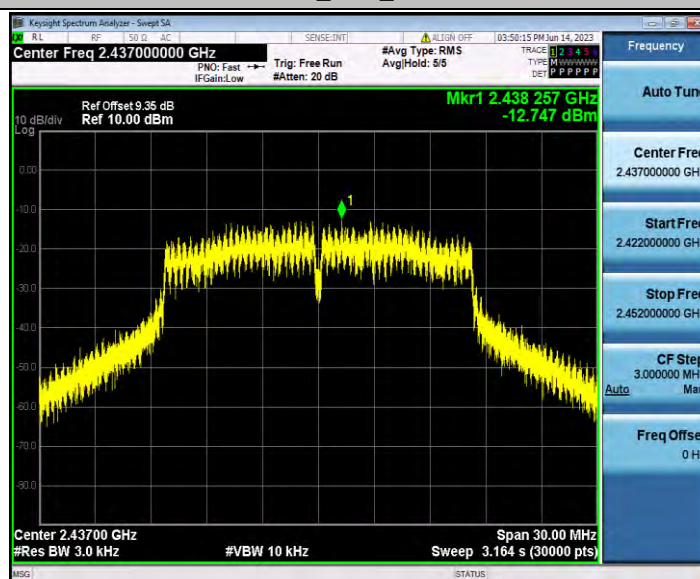




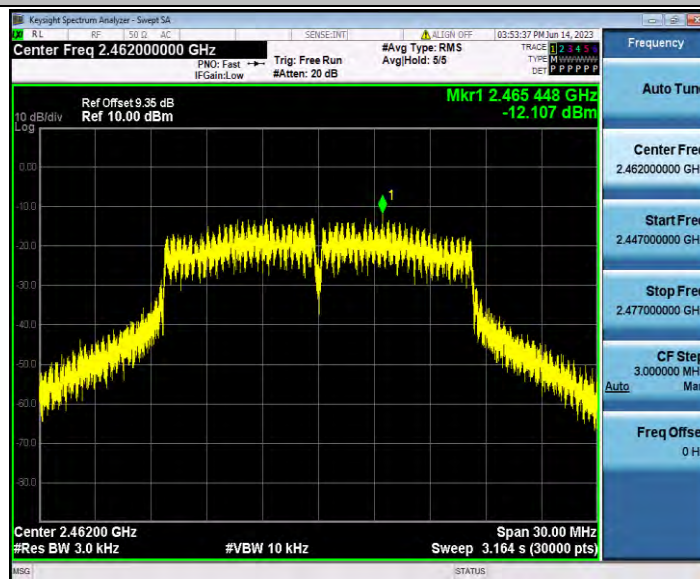
11B_Ant1_2462



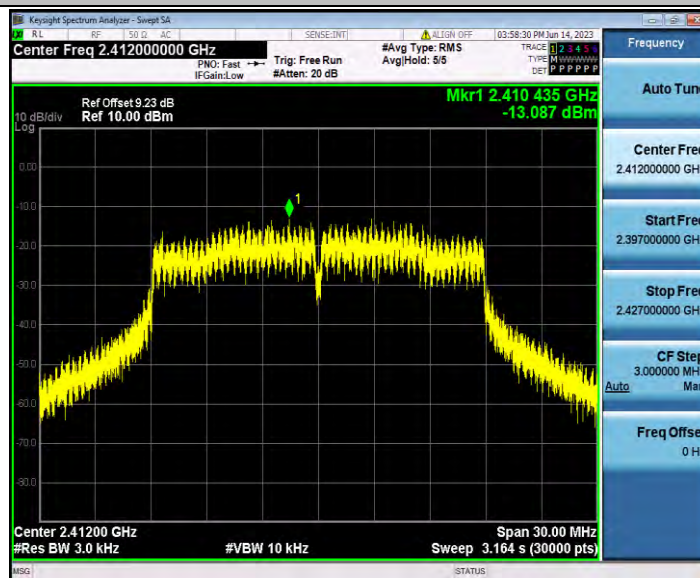
11G_Ant1_2412



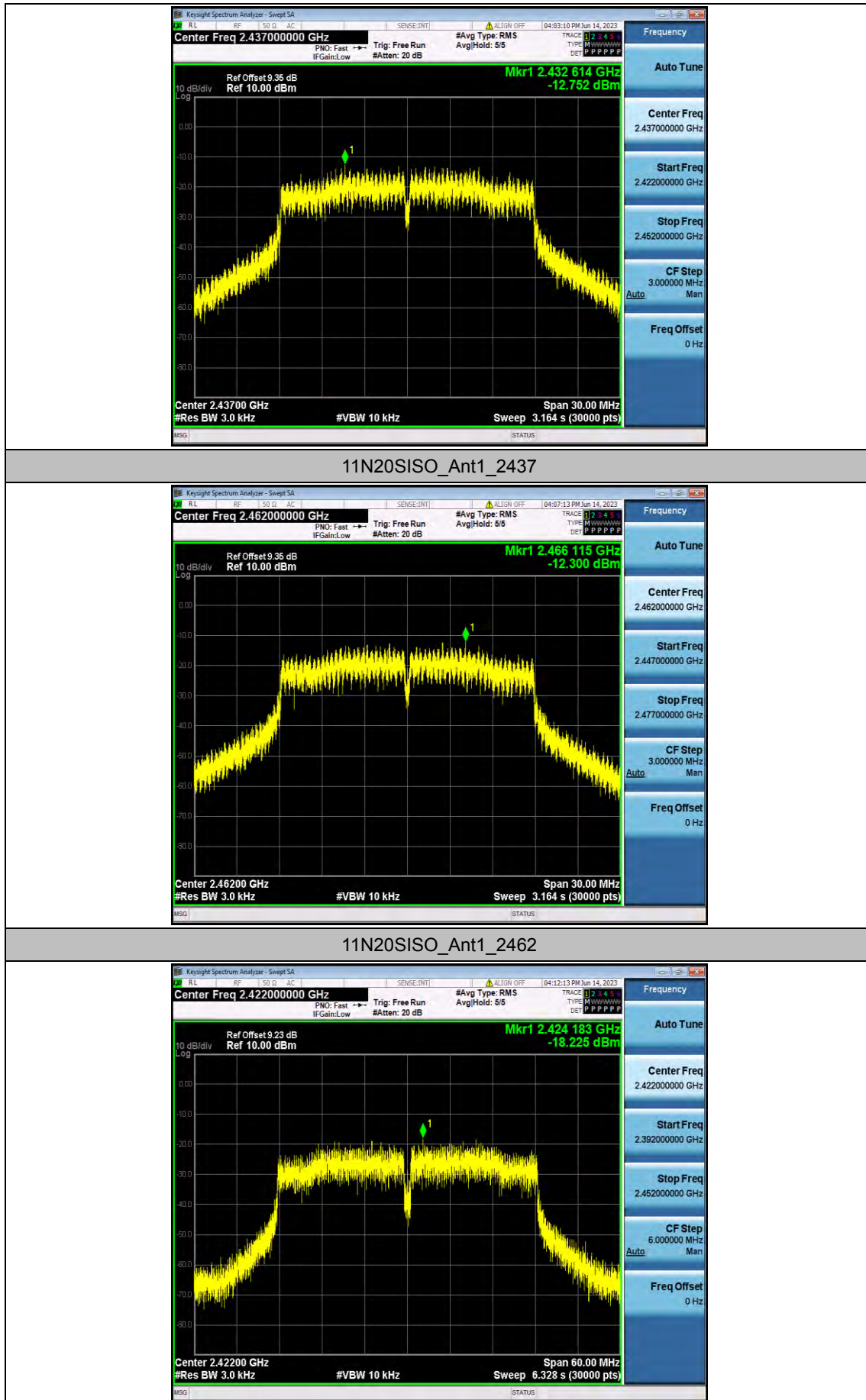
11G_Ant1_2437



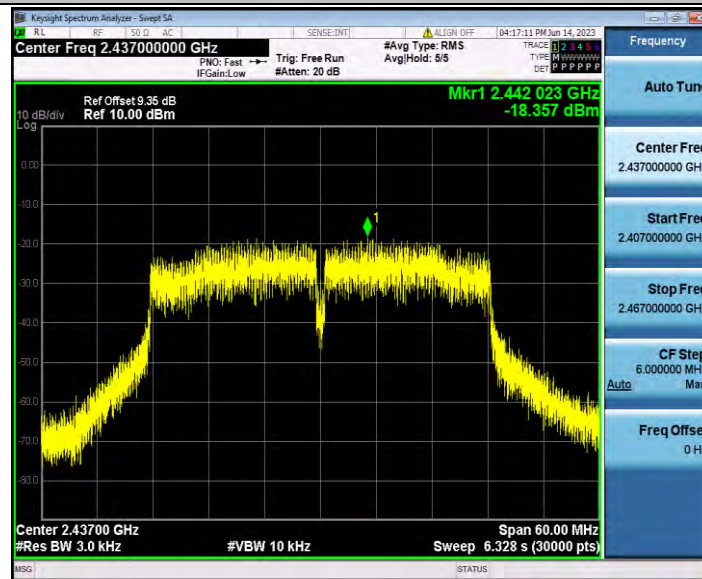
11G_Ant1_2462



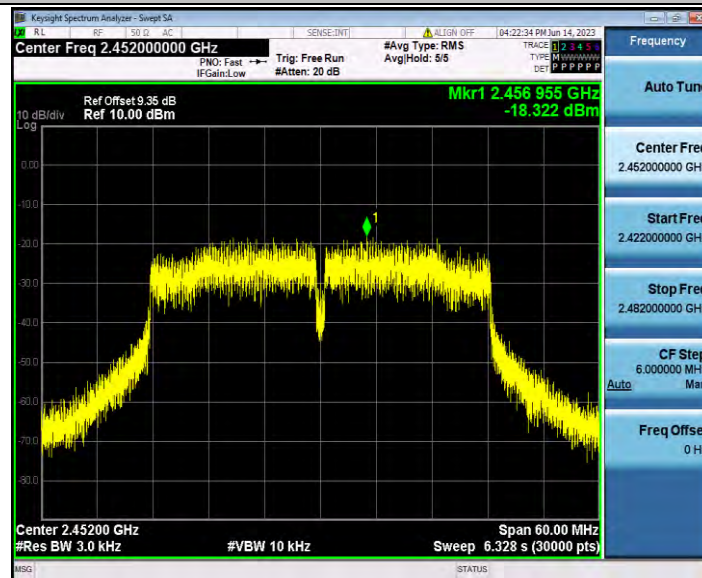
11N20SISO_Ant1_2412



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



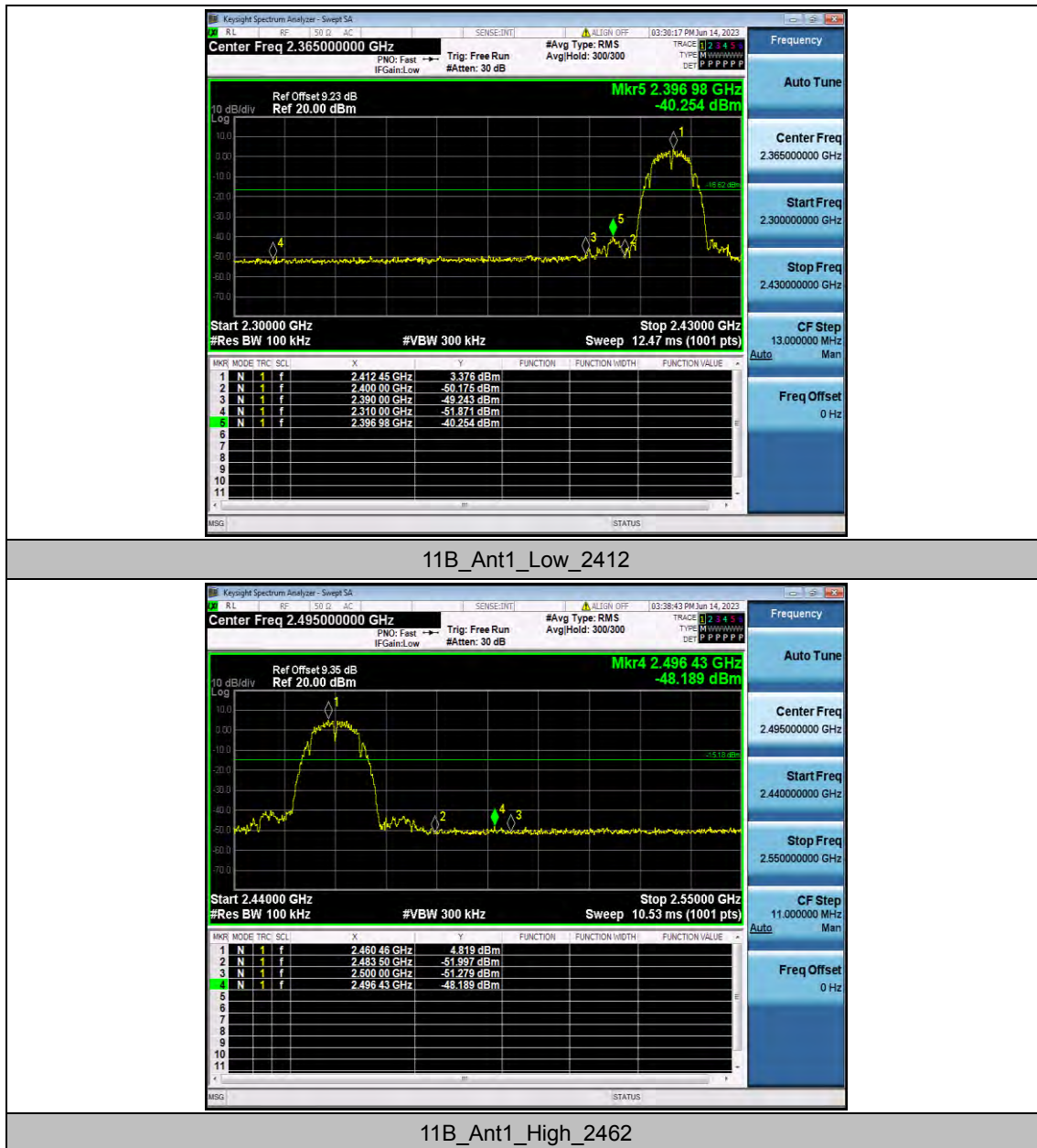
11N40SISO_Ant1_2452

Appendix C.5: Band edge measurements

Test Result

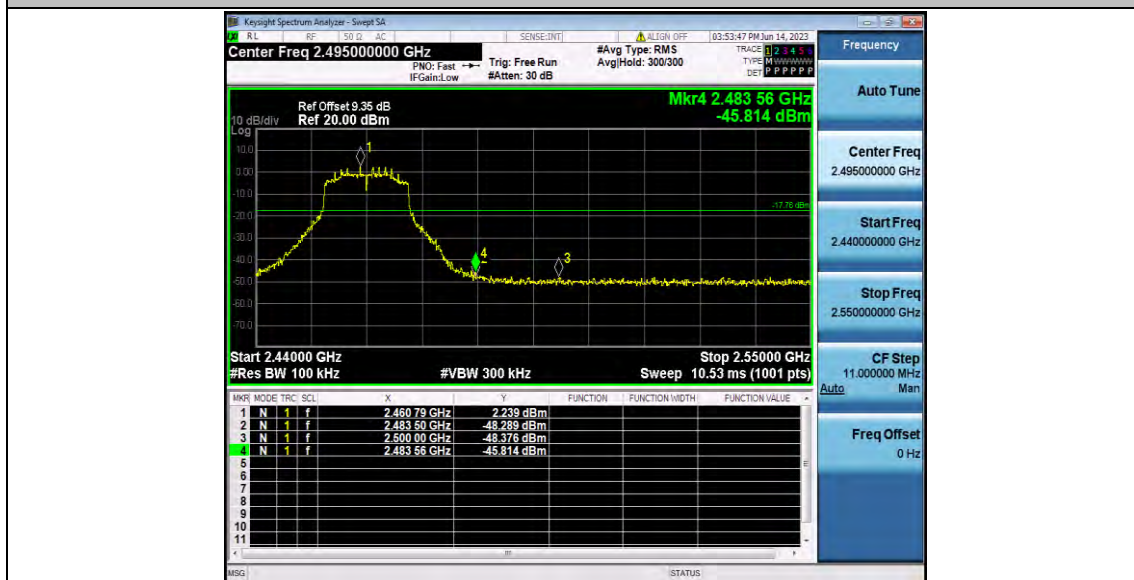
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.38	-40.25	≤ -16.62	PASS
		High	2462	4.82	-48.19	≤ -15.18	PASS
11G	Ant1	Low	2412	3.40	-26.29	≤ -16.6	PASS
		High	2462	2.24	-45.81	≤ -17.76	PASS
11N20SISO	Ant1	Low	2412	1.21	-28.33	≤ -18.79	PASS
		High	2462	2.27	-46.75	≤ -17.73	PASS
11N40SISO	Ant1	Low	2422	-3.71	-35.79	≤ -23.71	PASS
		High	2452	-3.04	-40.76	≤ -23.04	PASS

Test Graphs





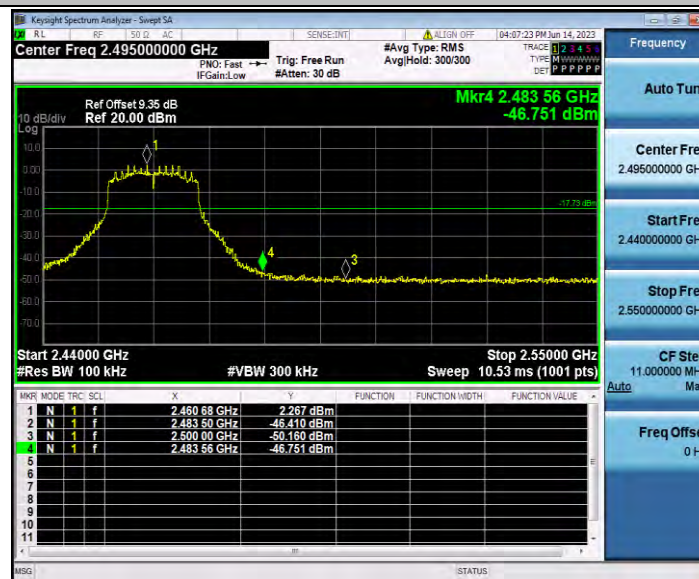
11G_Ant1_Low_2412



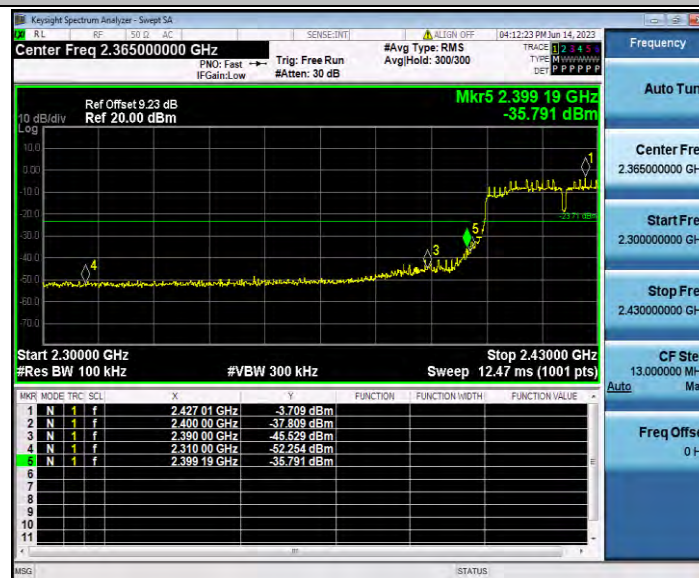
11G_Ant1_High_2462



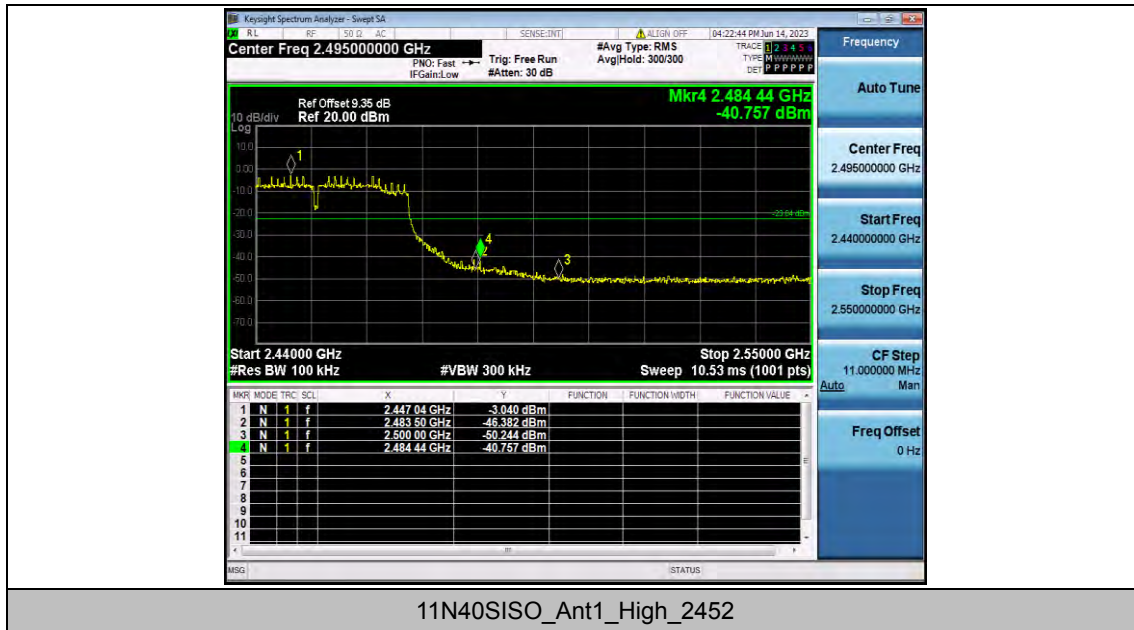
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



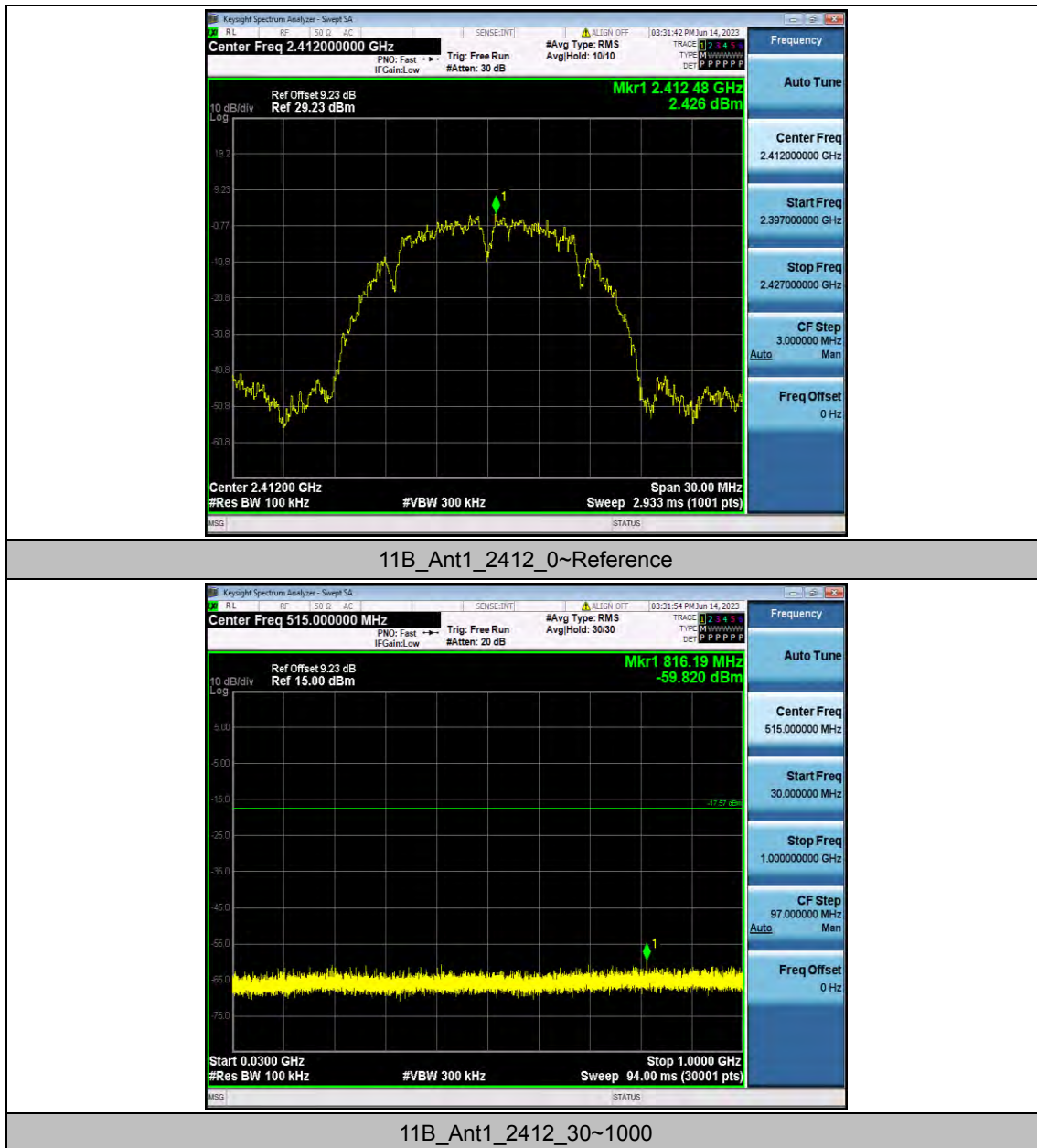
11N40SISO_Ant1_High_2452

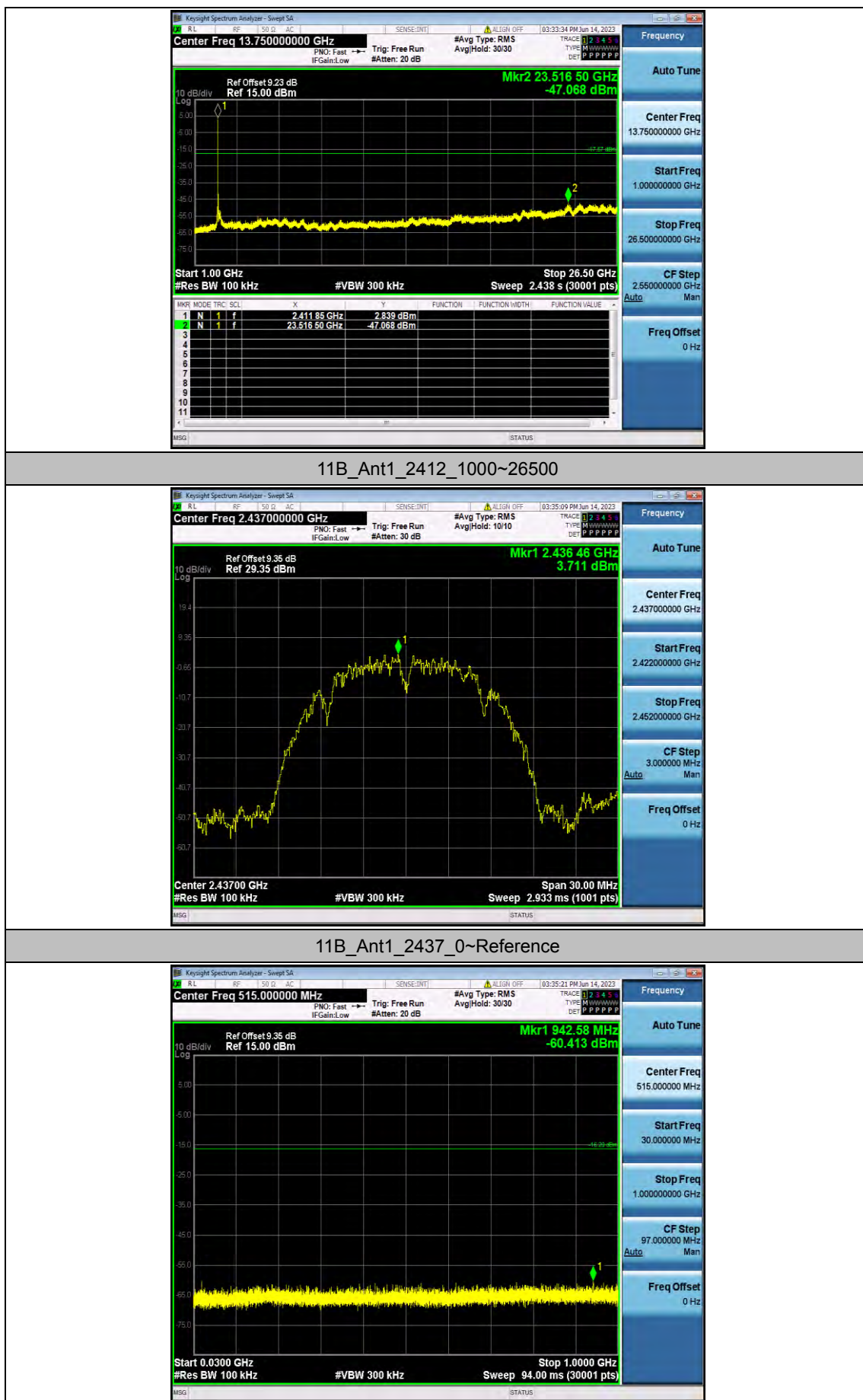
Appendix C.6: Conducted Spurious Emission

Test Result

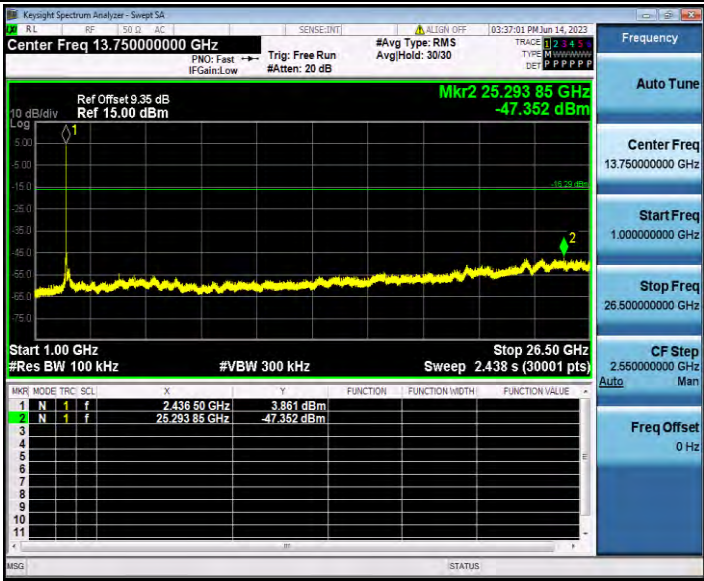
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	2.43	2.43	---	PASS
			30~1000	2.43	-59.82	≤ -17.57	PASS
			1000~26500	2.43	-47.07	≤ -17.57	PASS
		2437	Reference	3.71	3.71	---	PASS
			30~1000	3.71	-60.41	≤ -16.29	PASS
			1000~26500	3.71	-47.35	≤ -16.29	PASS
		2462	Reference	2.59	2.59	---	PASS
			30~1000	2.59	-60.3	≤ -17.41	PASS
			1000~26500	2.59	-46.69	≤ -17.41	PASS
11G	Ant1	2412	Reference	2.37	2.37	---	PASS
			30~1000	2.37	-54.25	≤ -17.63	PASS
			1000~26500	2.37	-46.65	≤ -17.63	PASS
		2437	Reference	-1.30	-1.30	---	PASS
			30~1000	-1.30	-60.75	≤ -21.3	PASS
			1000~26500	-1.30	-47	≤ -21.3	PASS
		2462	Reference	2.16	2.16	---	PASS
			30~1000	2.16	-60.32	≤ -17.84	PASS
			1000~26500	2.16	-47.8	≤ -17.84	PASS
11N20SISO	Ant1	2412	Reference	1.75	1.75	---	PASS
			30~1000	1.75	-46.46	≤ -18.25	PASS
			1000~26500	1.75	-47.13	≤ -18.25	PASS
		2437	Reference	-2.17	-2.17	---	PASS
			30~1000	-2.17	-59.5	≤ -22.17	PASS
			1000~26500	-2.17	-47.32	≤ -22.17	PASS
		2462	Reference	-0.76	-0.76	---	PASS
			30~1000	-0.76	-60.52	≤ -20.76	PASS
			1000~26500	-0.76	-47.05	≤ -20.76	PASS
11N40SISO	Ant1	2422	Reference	-4.60	-4.60	---	PASS
			30~1000	-4.60	-60.35	≤ -24.6	PASS
			1000~26500	-4.60	-47.22	≤ -24.6	PASS
		2437	Reference	-5.11	-5.11	---	PASS
			30~1000	-5.11	-60.62	≤ -25.11	PASS
			1000~26500	-5.11	-47.1	≤ -25.11	PASS
		2452	Reference	-4.65	-4.65	---	PASS
			30~1000	-4.65	-60.16	≤ -24.65	PASS
			1000~26500	-4.65	-46.88	≤ -24.65	PASS

Test Graphs





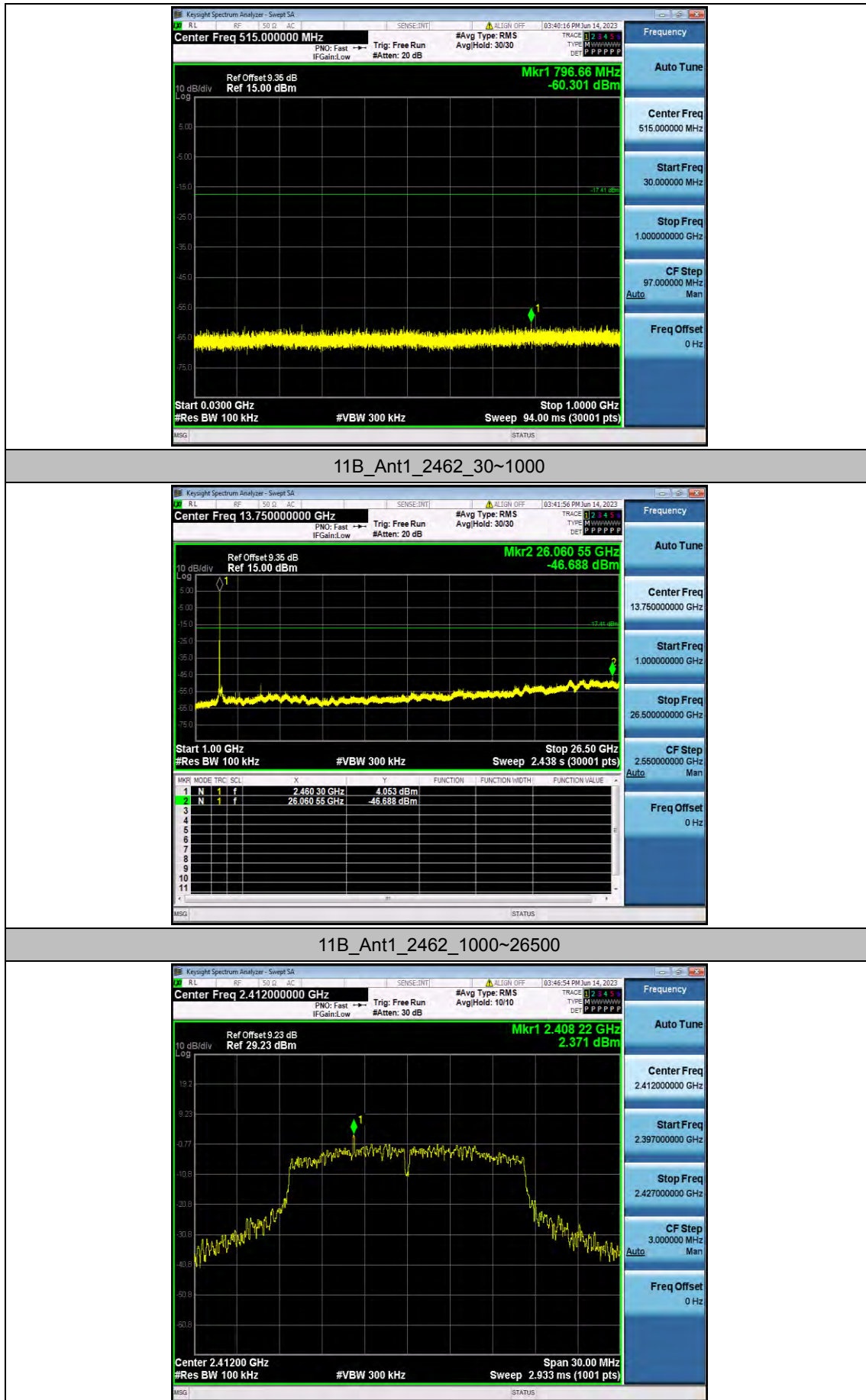
11B_Ant1_2437_30~1000



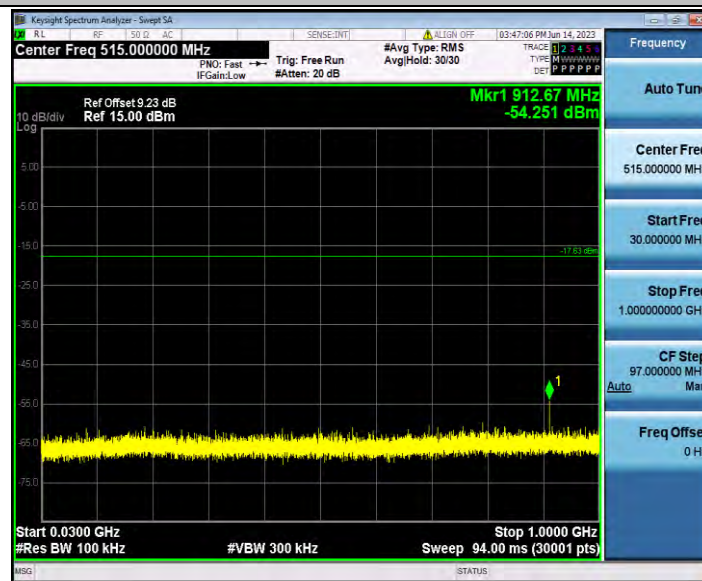
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



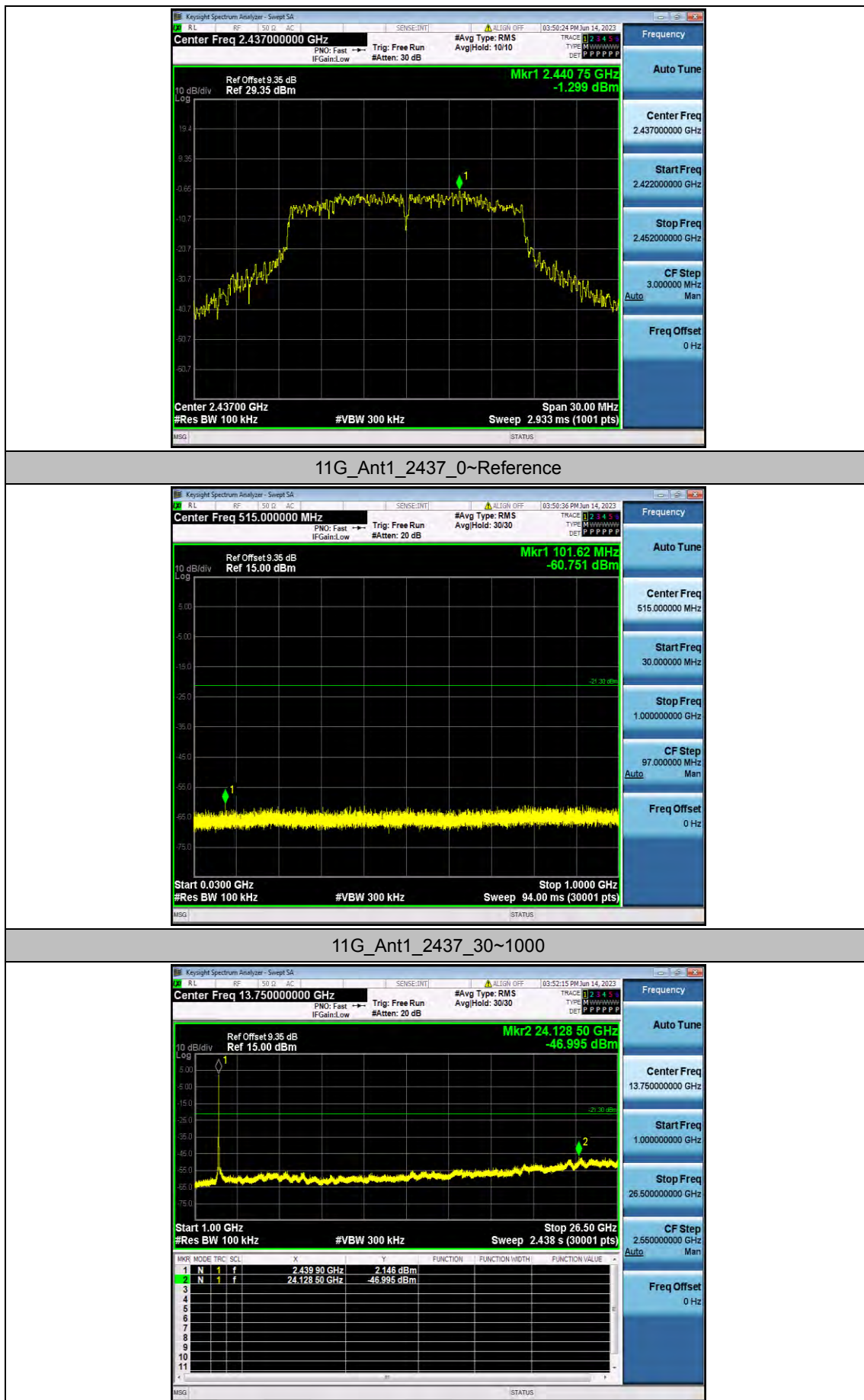
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



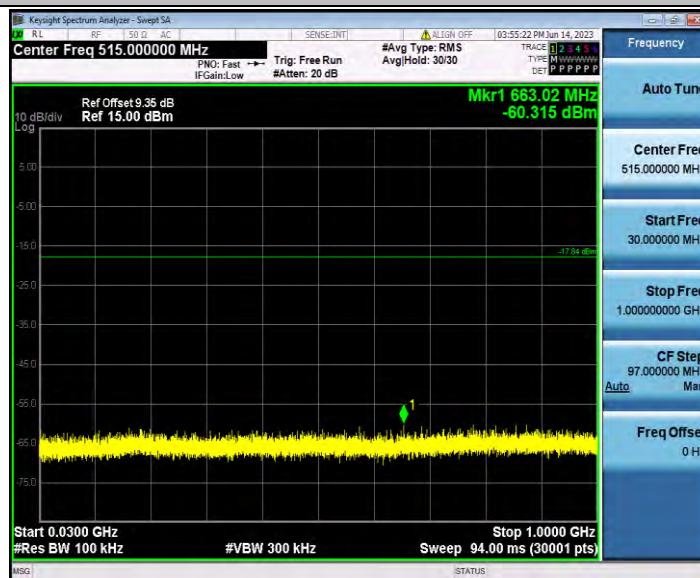
11G_Ant1_2412_1000~26500



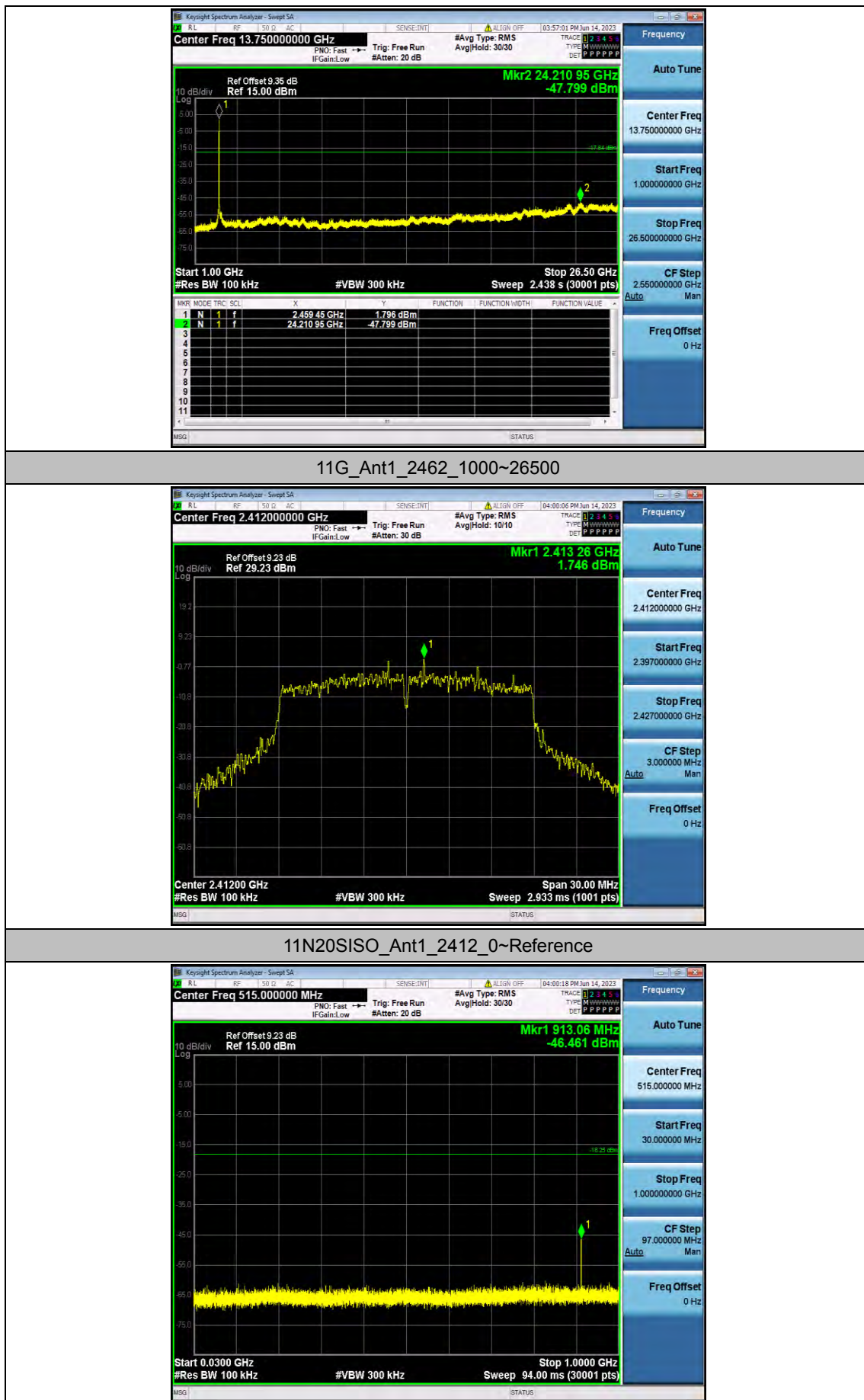
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



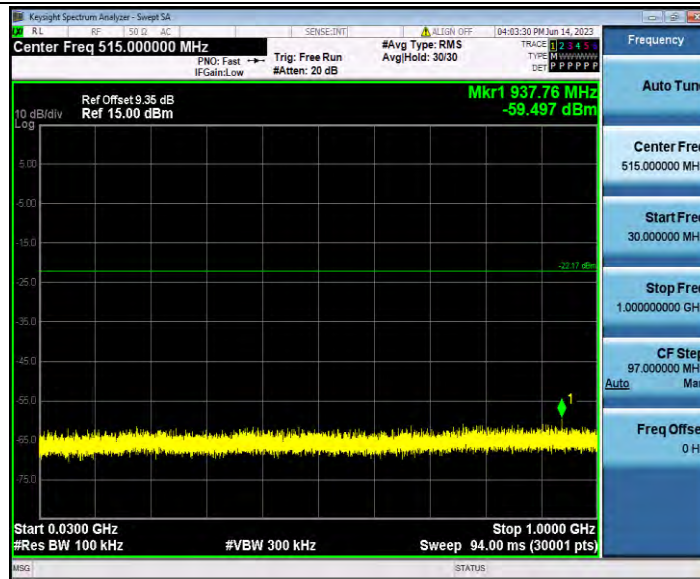
11N20SISO_Ant1_2412_30~1000



11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



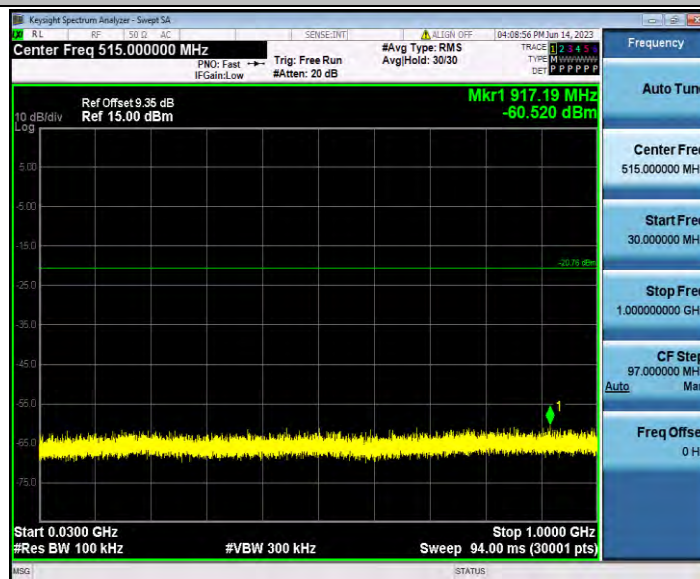
11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



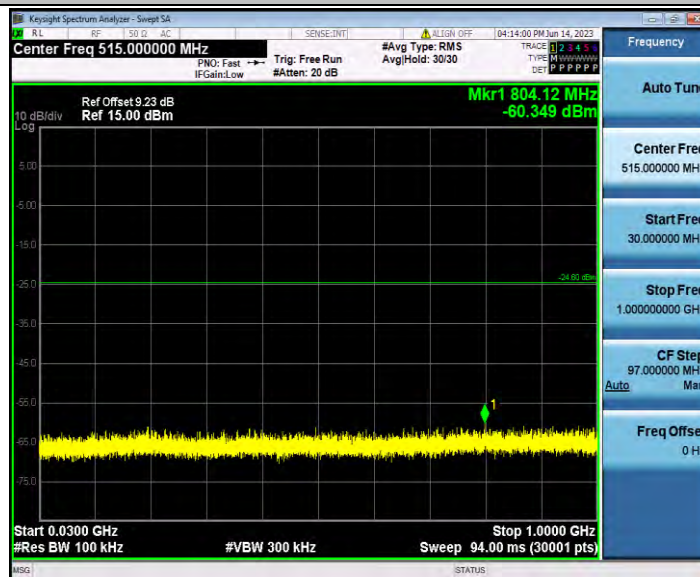
11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference



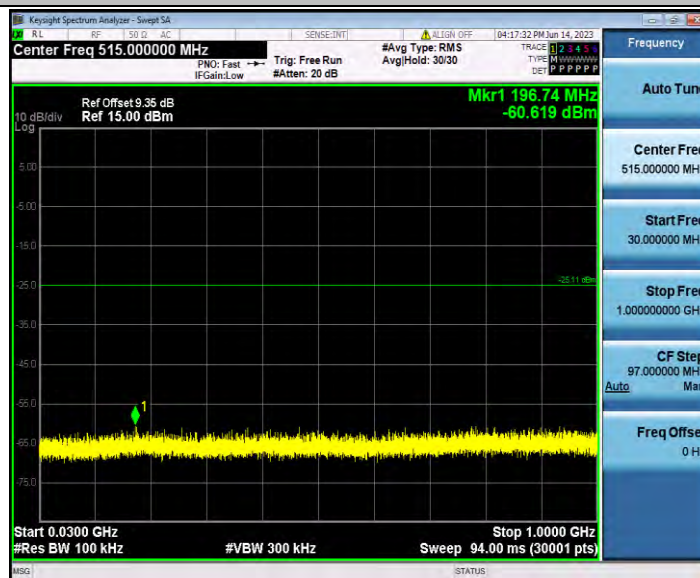
11N40SISO_Ant1_2422_30~1000



11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference

