

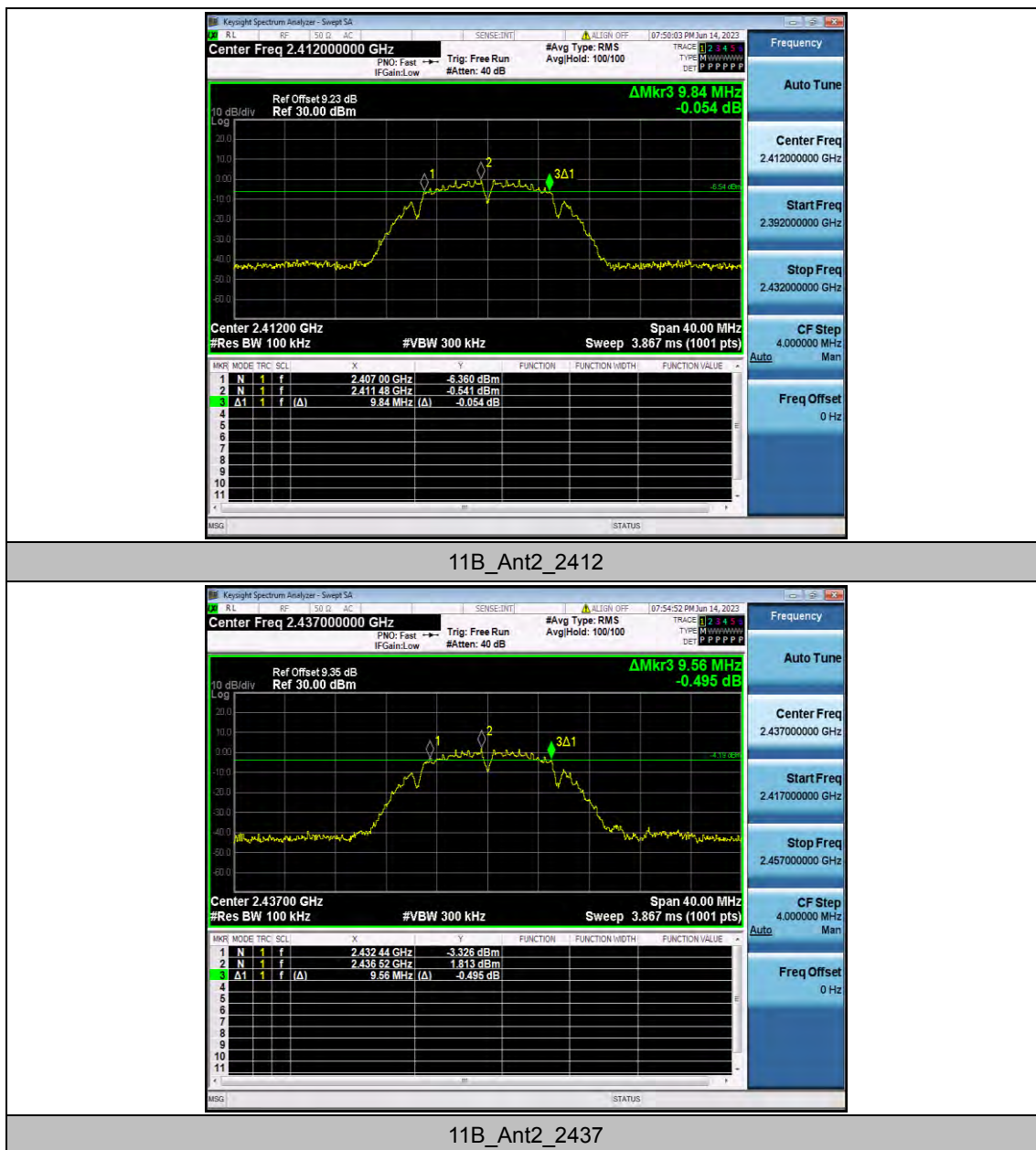
Case No. : <u>GTS20230525016-1-21</u>	
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.6.14</u>	Test Engineer: <u>Jenny zeng</u>

Appendix C.1: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	9.840	2407.000	2416.840	0.5	PASS
		2437	9.560	2432.440	2442.000	0.5	PASS
		2462	9.560	2457.440	2467.000	0.5	PASS
11G	Ant2	2412	15.080	2404.440	2419.520	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	12.800	2455.680	2468.480	0.5	PASS
11N20SISO	Ant2	2412	13.880	2405.680	2419.560	0.5	PASS
		2437	12.960	2431.600	2444.560	0.5	PASS
		2462	15.080	2454.440	2469.520	0.5	PASS
11N40SISO	Ant2	2422	32.480	2406.960	2439.440	0.5	PASS
		2437	35.040	2419.480	2454.520	0.5	PASS
		2452	32.560	2436.960	2469.520	0.5	PASS

Test Graphs





11B_Ant2_2462



11G_Ant2_2412



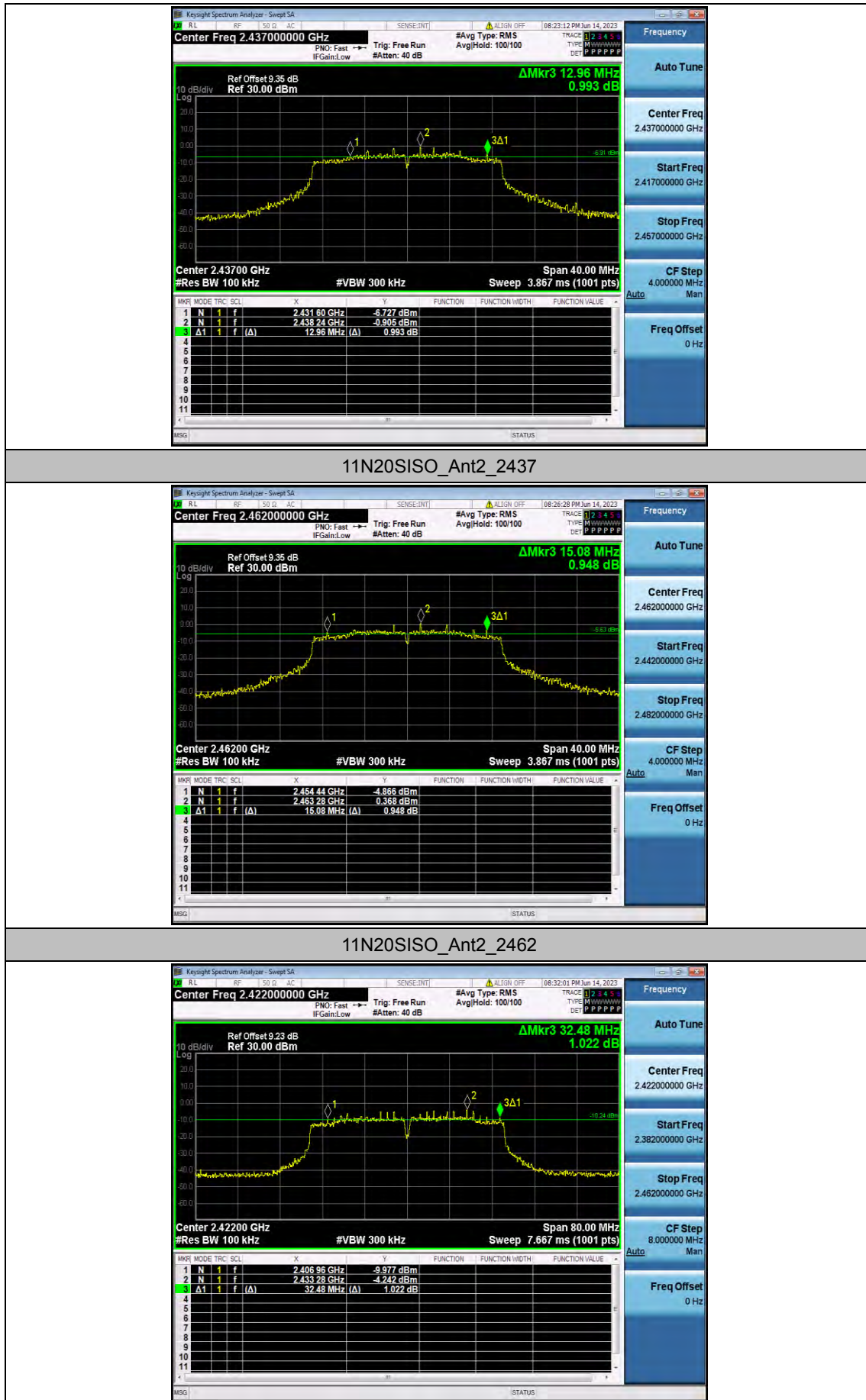
11G_Ant2_2437



11G_Ant2_2462



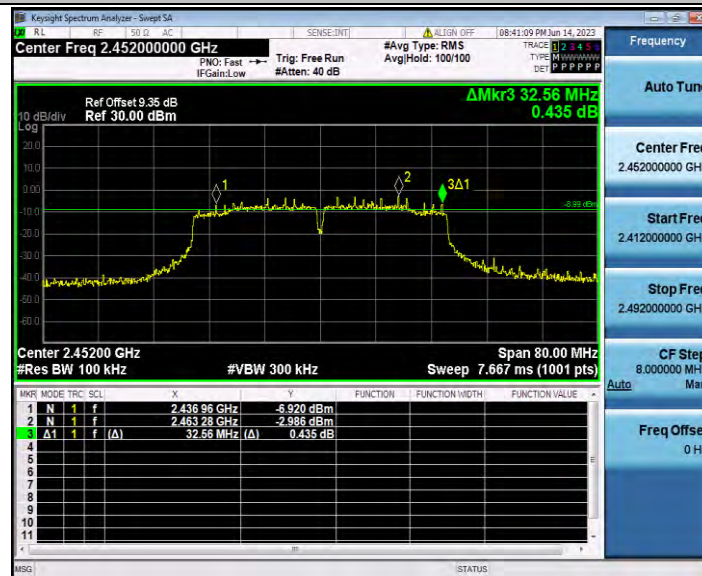
11N20SISO_Ant2_2412



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452

Appendix C.2: Occupied Channel Bandwidth

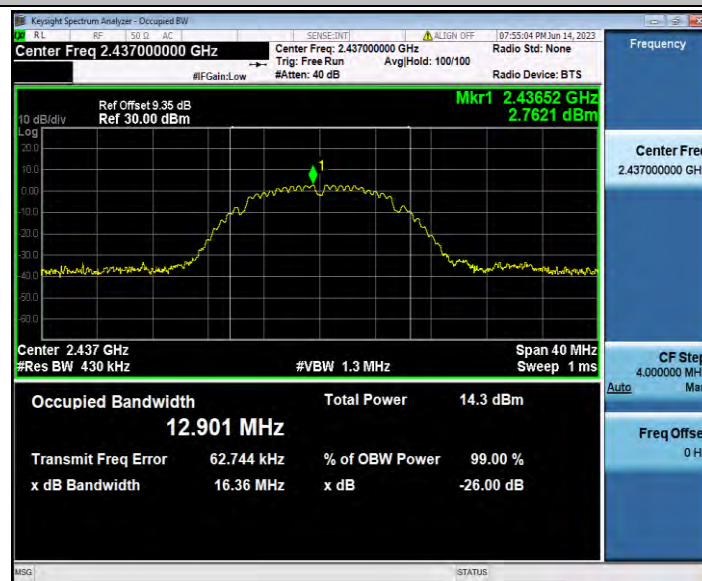
Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	12.857	2405.587	2418.444	---	---
		2437	12.901	2430.612	2443.513	---	---
		2462	12.965	2455.545	2468.510	---	---
11G	Ant2	2412	16.757	2403.653	2420.410	---	---
		2437	16.823	2428.687	2445.510	---	---
		2462	16.836	2453.623	2470.459	---	---
11N20SISO	Ant2	2412	17.962	2403.035	2420.997	---	---
		2437	17.955	2428.074	2446.029	---	---
		2462	17.996	2453.017	2471.013	---	---
11N40SISO	Ant2	2422	36.234	2404.010	2440.244	---	---
		2437	36.235	2419.081	2455.316	---	---
		2452	36.081	2434.078	2470.159	---	---

Test Graphs



11B_Ant2_2412



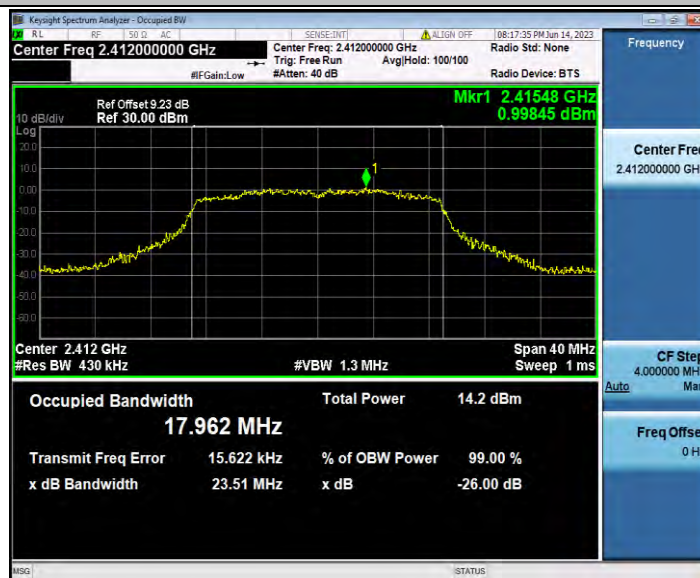
11B_Ant2_2437



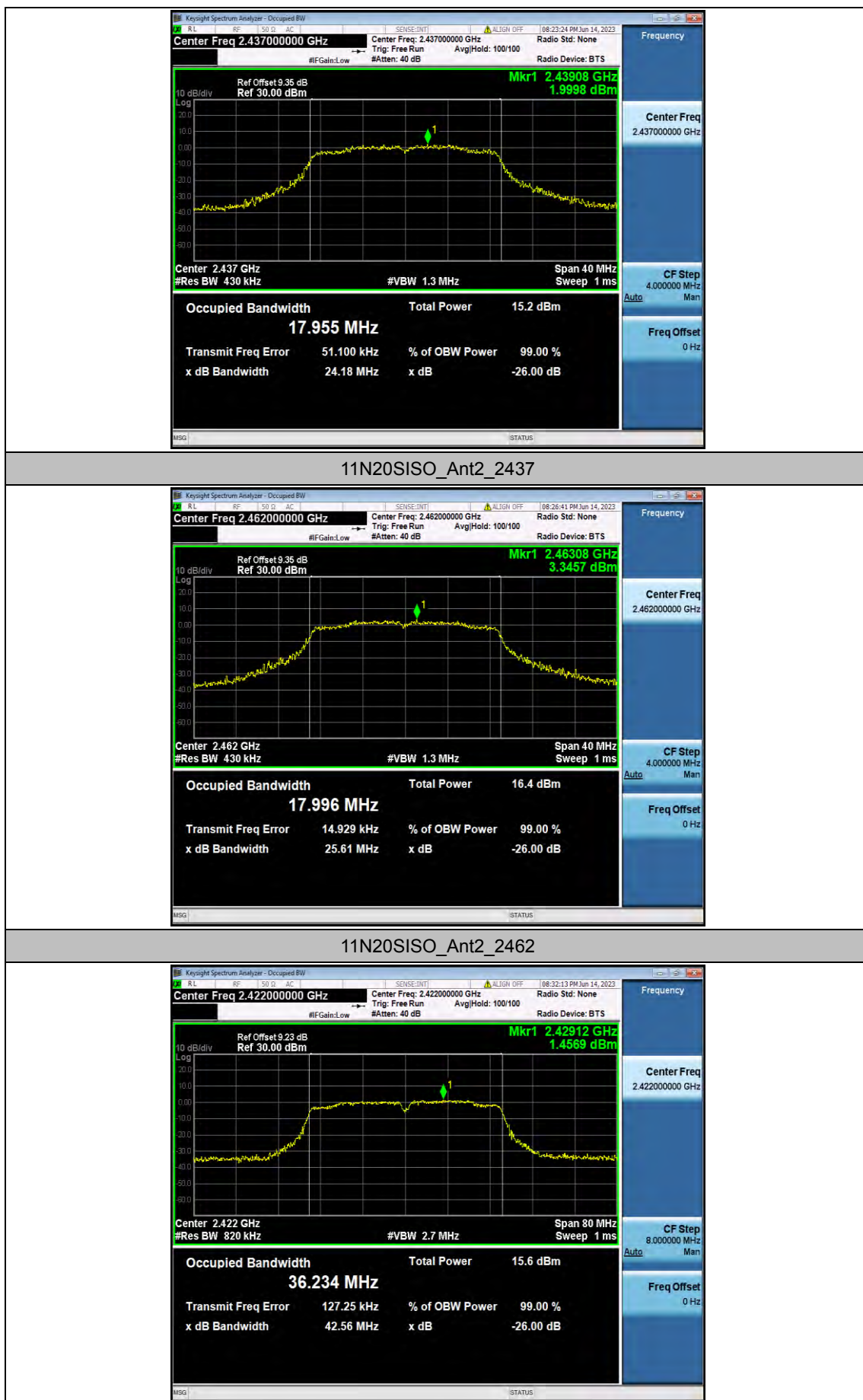
11G_Ant2_2437



11G_Ant2_2462



11N20SISO_Ant2_2412



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452

Appendix C.3: Maximum conducted output power

Test Result Peak

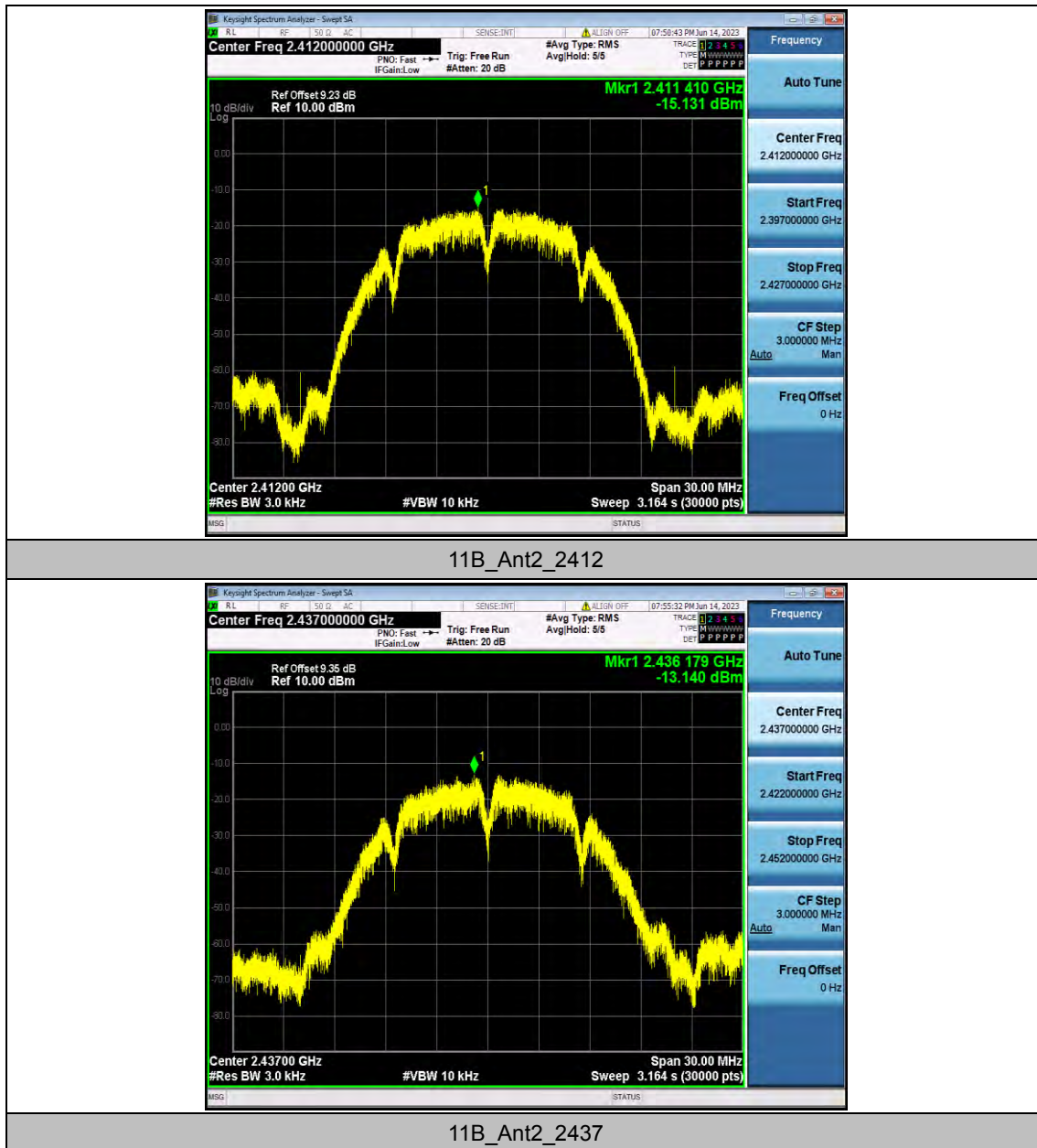
Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant2	2412	14.99	≤30.00	PASS
		2437	14.33	≤30.00	PASS
		2462	15.04	≤30.00	PASS
11G	Ant2	2412	16.98	≤30.00	PASS
		2437	18.15	≤30.00	PASS
		2462	19.52	≤30.00	PASS
11N20SISO	Ant2	2412	15.41	≤30.00	PASS
		2437	16.20	≤30.00	PASS
		2462	17.54	≤30.00	PASS
11N40SISO	Ant2	2422	15.91	≤30.00	PASS
		2437	16.88	≤30.00	PASS
		2452	17.35	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

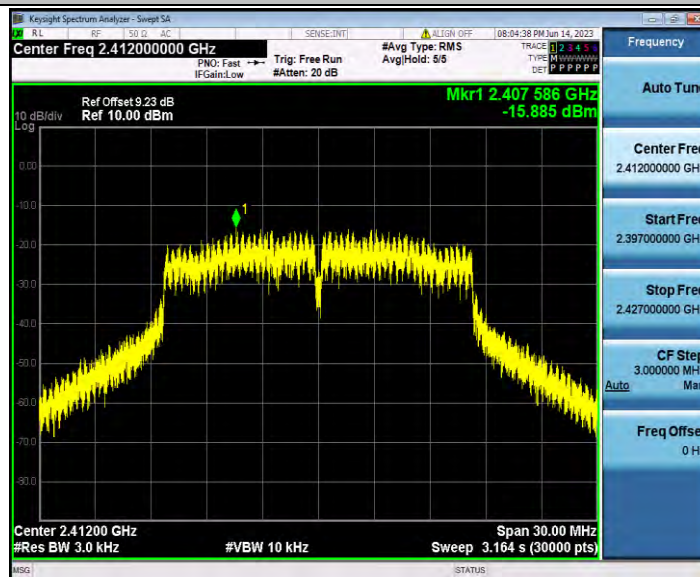
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-15.13	≤8.00	PASS
		2437	-13.14	≤8.00	PASS
		2462	-12.57	≤8.00	PASS
11G	Ant2	2412	-15.89	≤8.00	PASS
		2437	-13.82	≤8.00	PASS
		2462	-13.12	≤8.00	PASS
11N20SISO	Ant2	2412	-16.67	≤8.00	PASS
		2437	-15.75	≤8.00	PASS
		2462	-13.69	≤8.00	PASS
11N40SISO	Ant2	2422	-18.74	≤8.00	PASS
		2437	-17.49	≤8.00	PASS
		2452	-16.59	≤8.00	PASS

Test Graphs

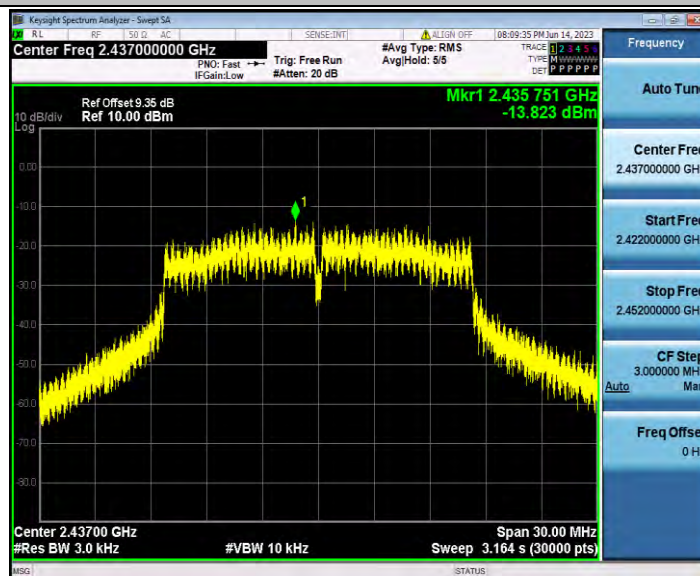




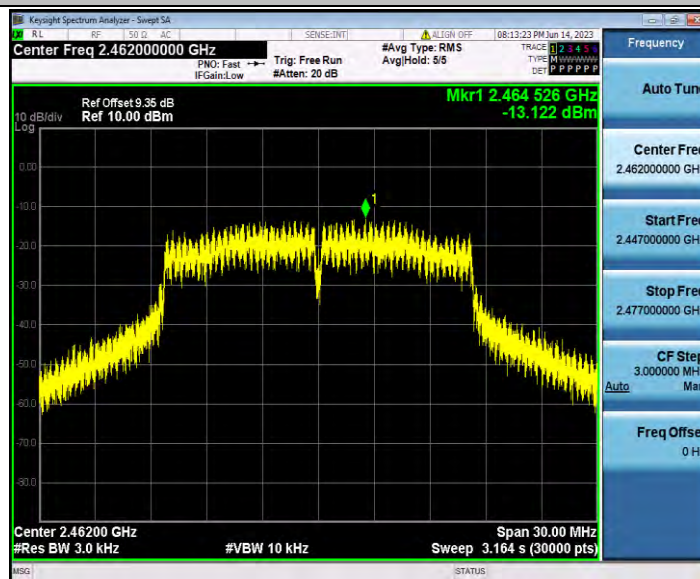
11B_Ant2_2462



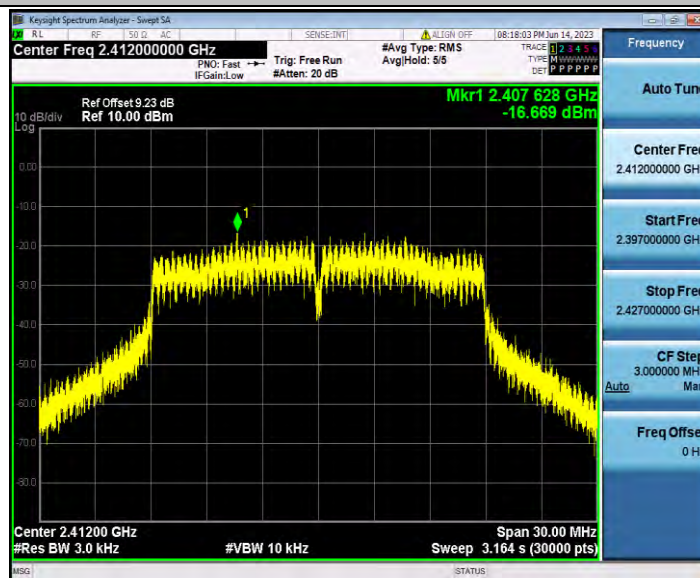
11G_Ant2_2412



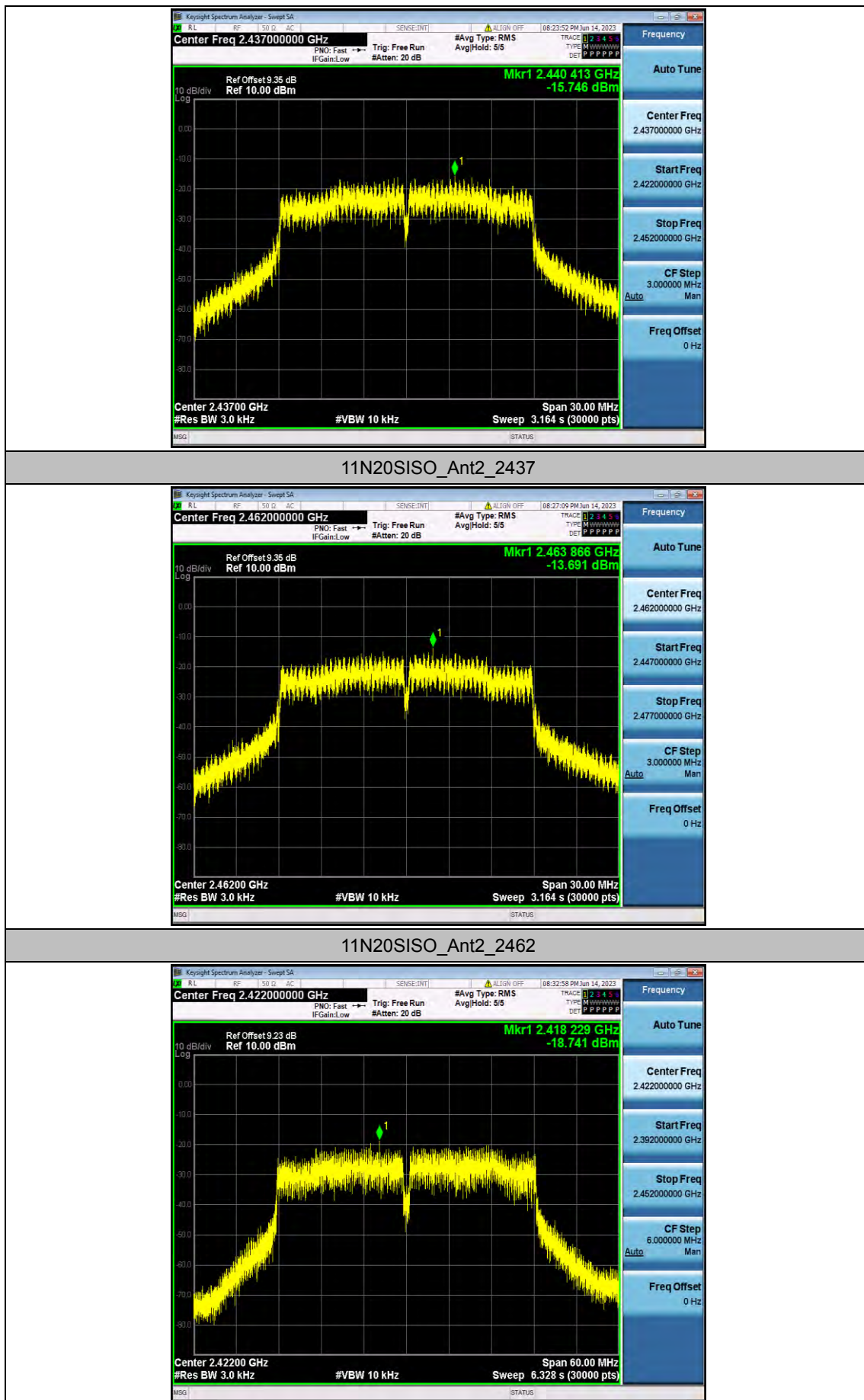
11G_Ant2_2437



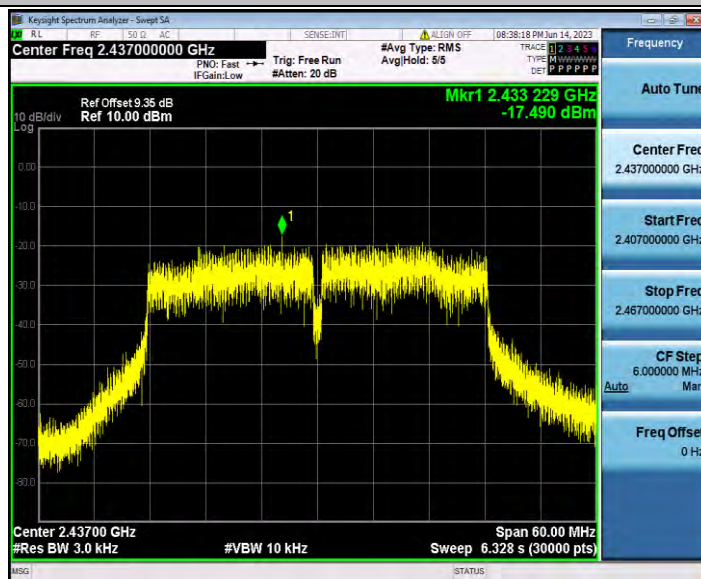
11G_Ant2_2462



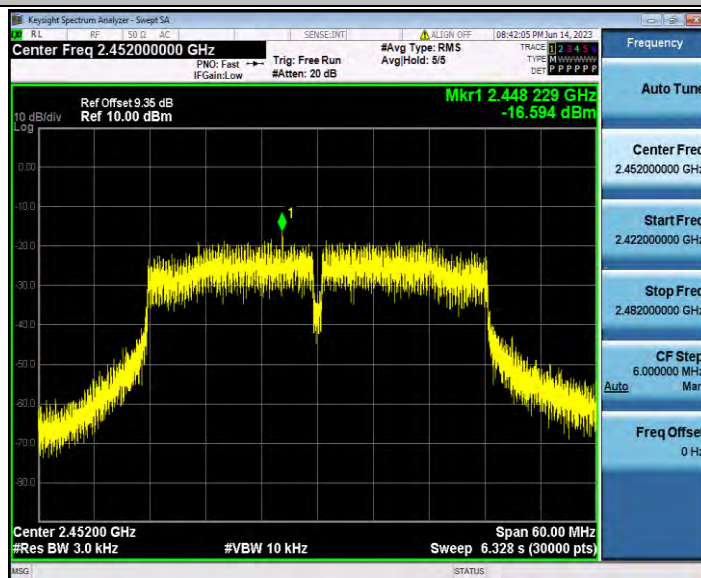
11N20SISO_Ant2_2412



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



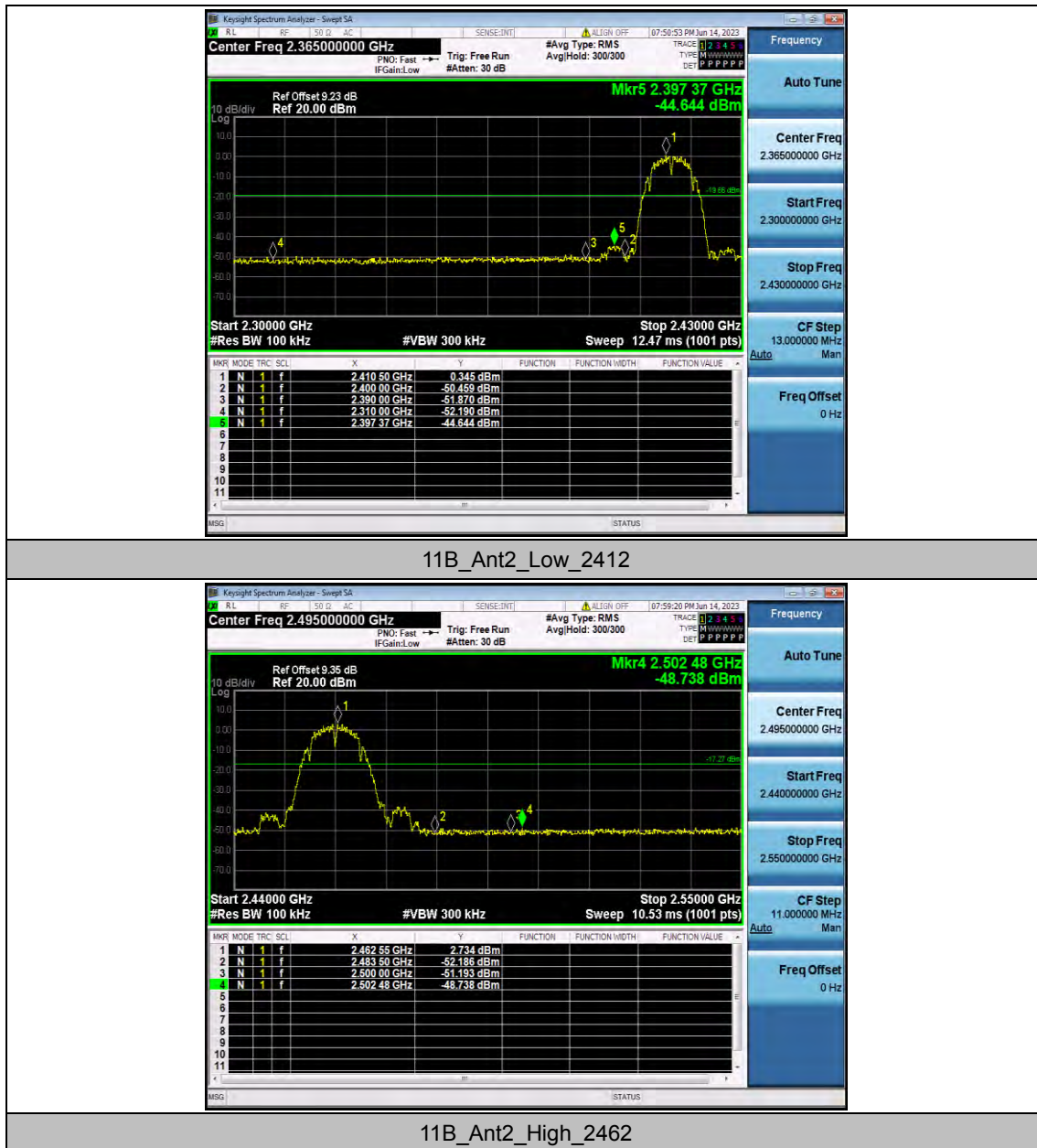
11N40SISO_Ant2_2452

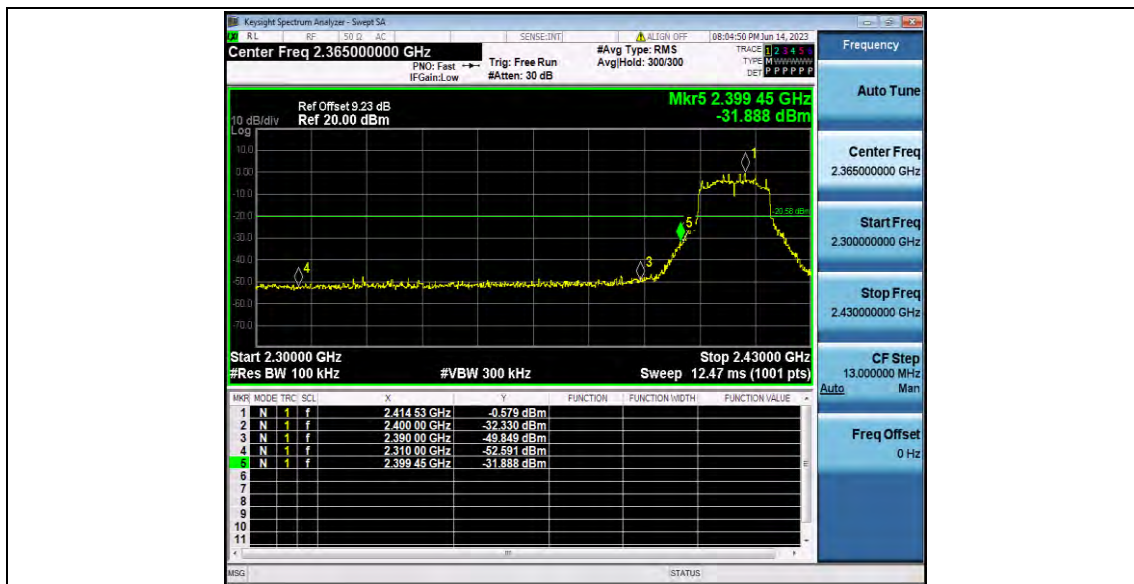
Appendix C.5: Band edge measurements

Test Result

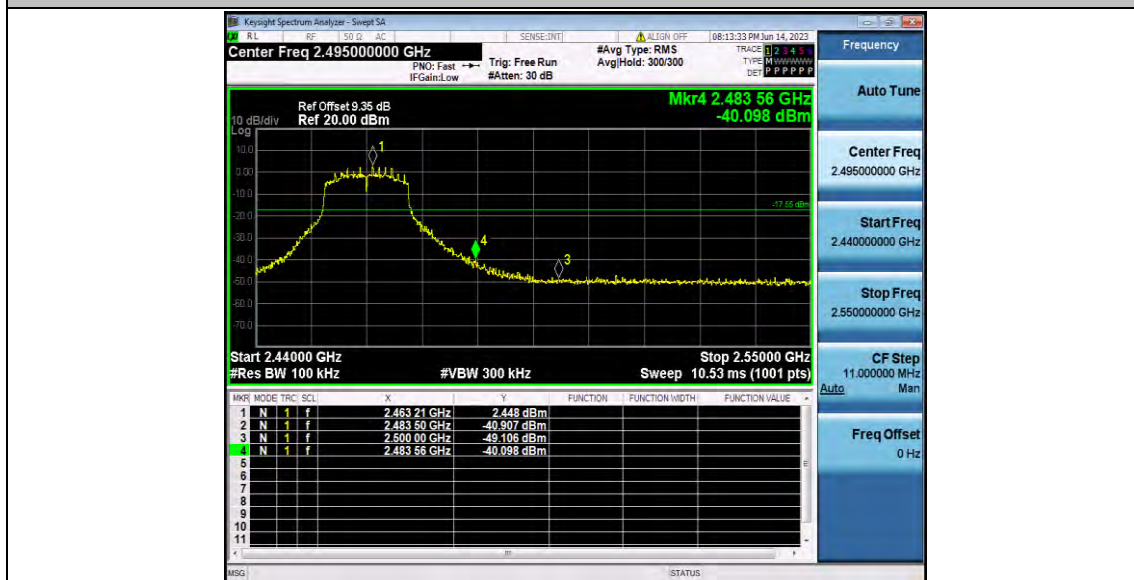
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	0.35	-44.64	≤ -19.66	PASS
		High	2462	2.73	-48.74	≤ -17.27	PASS
11G	Ant2	Low	2412	-0.58	-31.89	≤ -20.58	PASS
		High	2462	2.45	-40.1	≤ -17.55	PASS
11N20SISO	Ant2	Low	2412	-2.64	-33.11	≤ -22.64	PASS
		High	2462	0.03	-44.48	≤ -19.97	PASS
11N40SISO	Ant2	Low	2422	-4.47	-36.46	≤ -24.47	PASS
		High	2452	-2.83	-35.12	≤ -22.83	PASS

Test Graphs

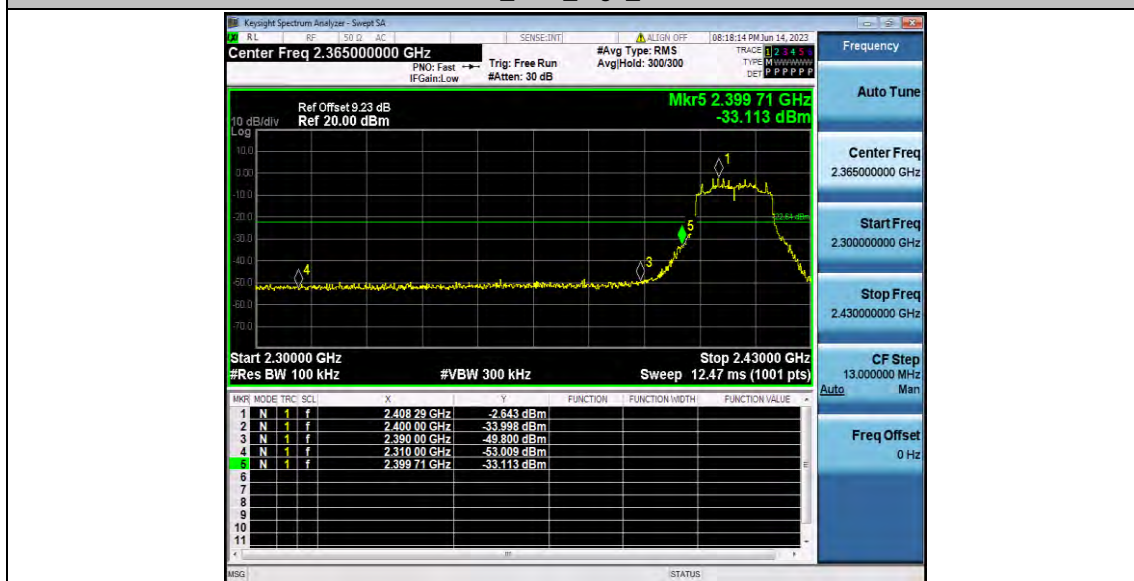




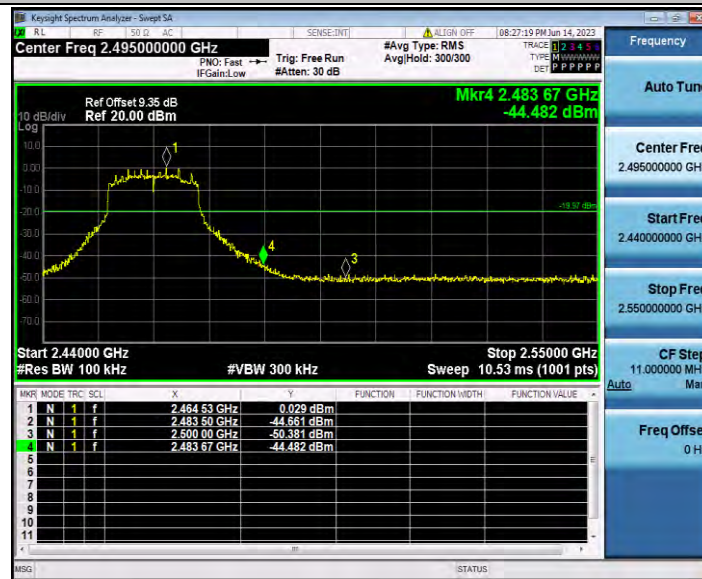
11G_Ant2_Low_2412



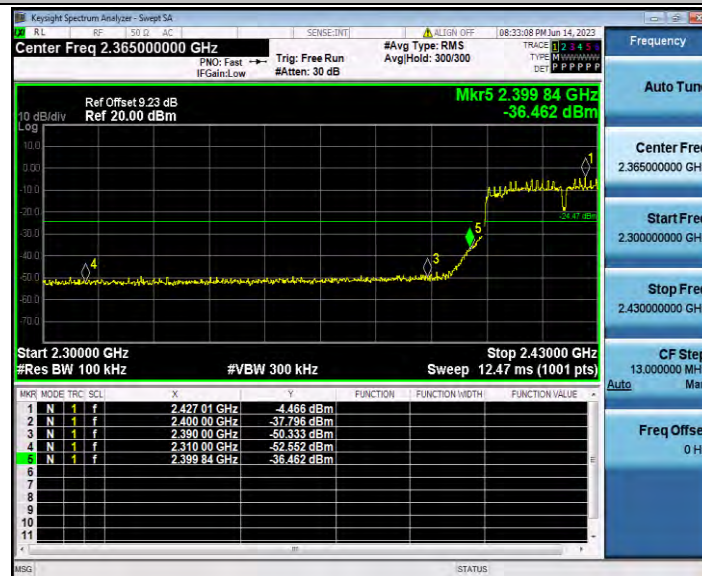
11G_Ant2_High_2462



11N20SISO_Ant2_Low_2412



11N20SISO_Ant2_High_2462



11N40SISO_Ant2_Low_2422



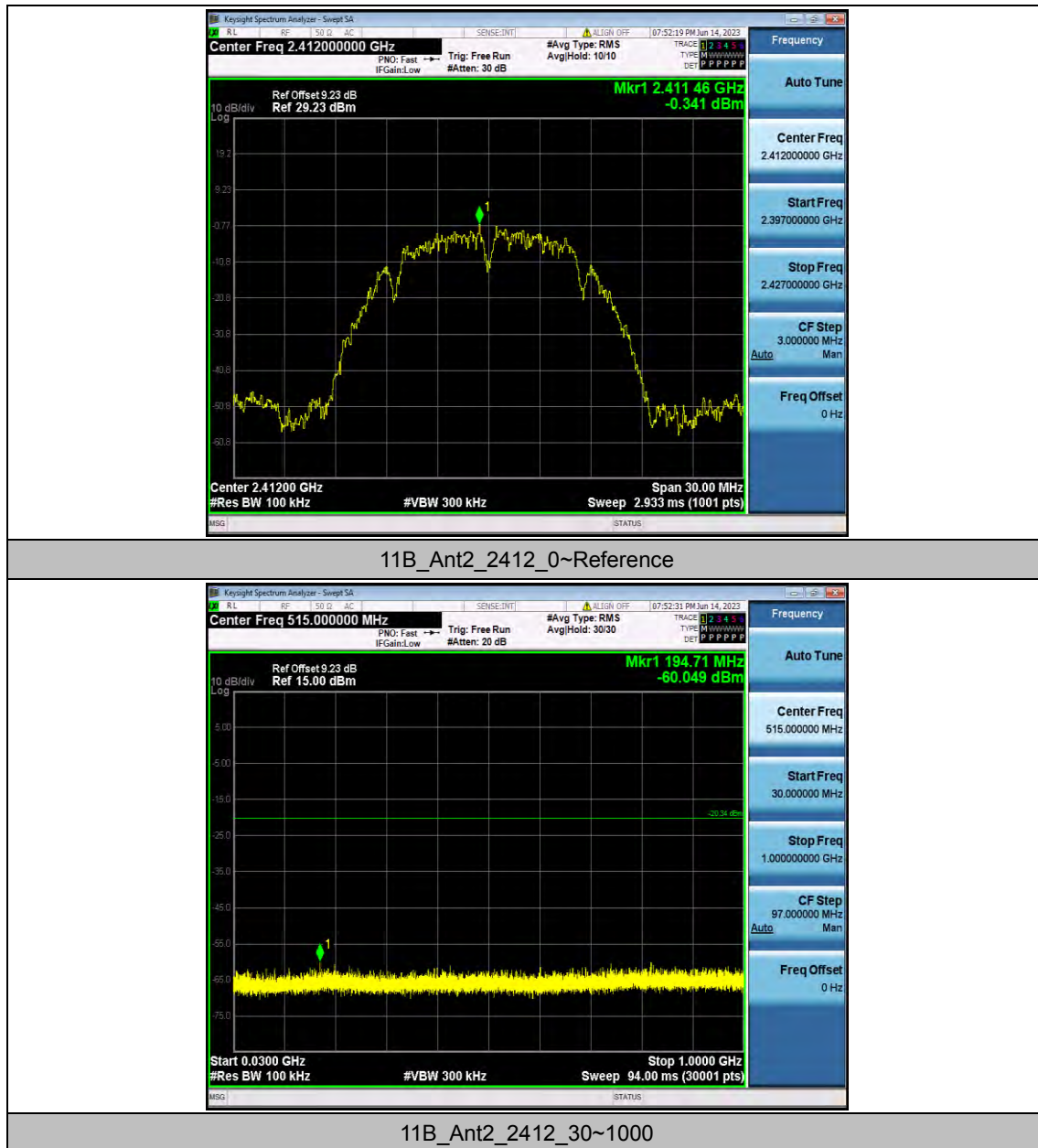
11N40SISO_Ant2_High_2452

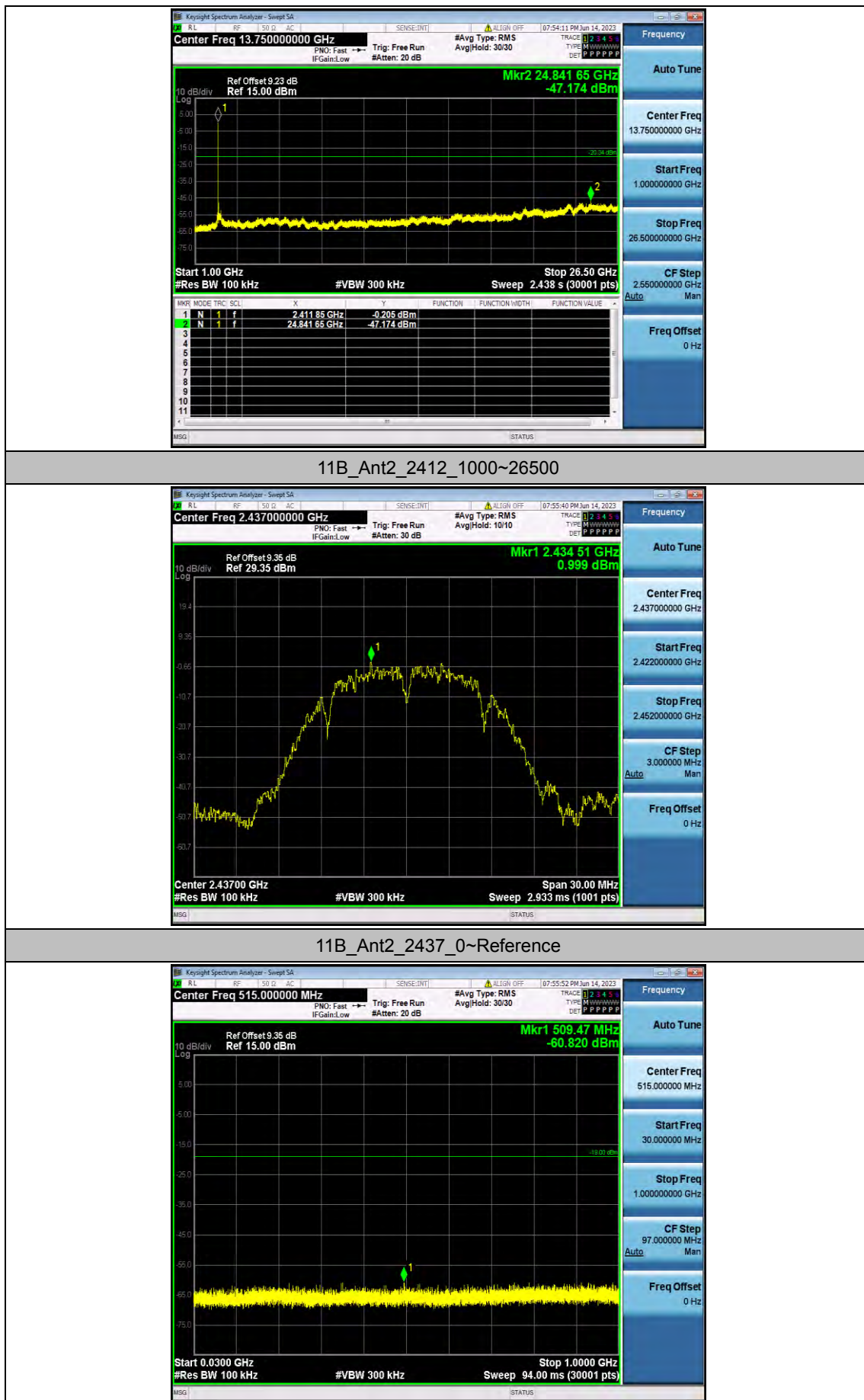
Appendix C.6: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	-0.34	-0.34	---	PASS
			30~1000	-0.34	-60.05	≤ -20.34	PASS
			1000~26500	-0.34	-47.17	≤ -20.34	PASS
		2437	Reference	1.00	1.00	---	PASS
			30~1000	1.00	-60.82	≤ -19	PASS
			1000~26500	1.00	-47.04	≤ -19	PASS
		2462	Reference	1.53	1.53	---	PASS
			30~1000	1.53	-60.23	≤ -18.47	PASS
			1000~26500	1.53	-47.27	≤ -18.47	PASS
11G	Ant2	2412	Reference	-3.58	-3.58	---	PASS
			30~1000	-3.58	-60.77	≤ -23.58	PASS
			1000~26500	-3.58	-47.56	≤ -23.58	PASS
		2437	Reference	-2.70	-2.70	---	PASS
			30~1000	-2.70	-60.51	≤ -22.7	PASS
			1000~26500	-2.70	-47.97	≤ -22.7	PASS
		2462	Reference	-0.86	-0.86	---	PASS
			30~1000	-0.86	-59.79	≤ -20.86	PASS
			1000~26500	-0.86	-47.32	≤ -20.86	PASS
11N20SISO	Ant2	2412	Reference	-2.88	-2.88	---	PASS
			30~1000	-2.88	-60.12	≤ -22.88	PASS
			1000~26500	-2.88	-47.8	≤ -22.88	PASS
		2437	Reference	-4.56	-4.56	---	PASS
			30~1000	-4.56	-59.94	≤ -24.56	PASS
			1000~26500	-4.56	-47.5	≤ -24.56	PASS
		2462	Reference	-2.94	-2.94	---	PASS
			30~1000	-2.94	-60.15	≤ -22.94	PASS
			1000~26500	-2.94	-46.68	≤ -22.94	PASS
11N40SISO	Ant2	2422	Reference	-5.30	-5.30	---	PASS
			30~1000	-5.30	-59.66	≤ -25.3	PASS
			1000~26500	-5.30	-47.6	≤ -25.3	PASS
		2437	Reference	-6.95	-6.95	---	PASS
			30~1000	-6.95	-60.31	≤ -26.95	PASS
			1000~26500	-6.95	-47.19	≤ -26.95	PASS
		2452	Reference	-3.61	-3.61	---	PASS
			30~1000	-3.61	-60.34	≤ -23.61	PASS
			1000~26500	-3.61	-47.9	≤ -23.61	PASS

Test Graphs





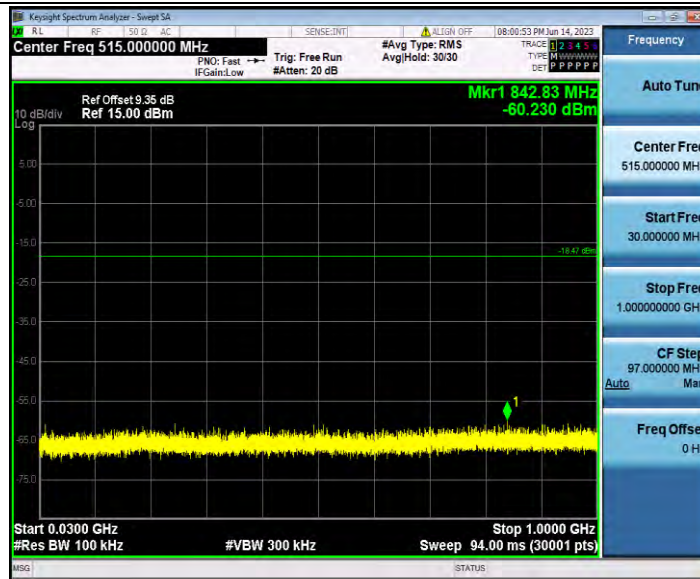
11B_Ant2_2437_30~1000



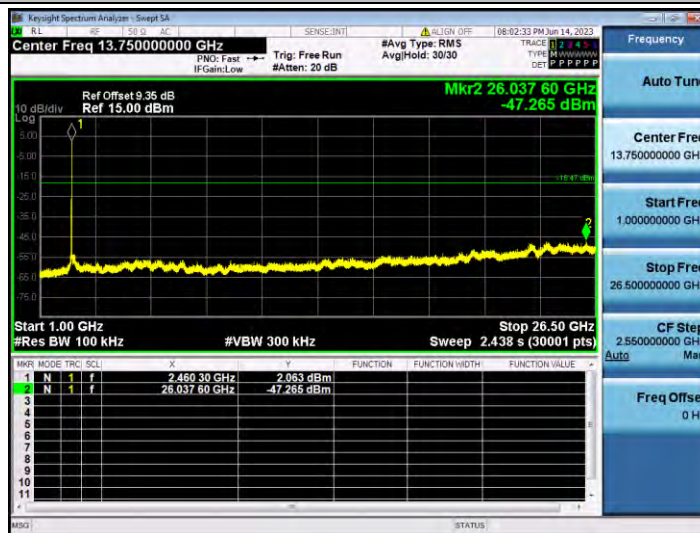
11B_Ant2_2437_1000~26500



11B_Ant2_2462_0~Reference



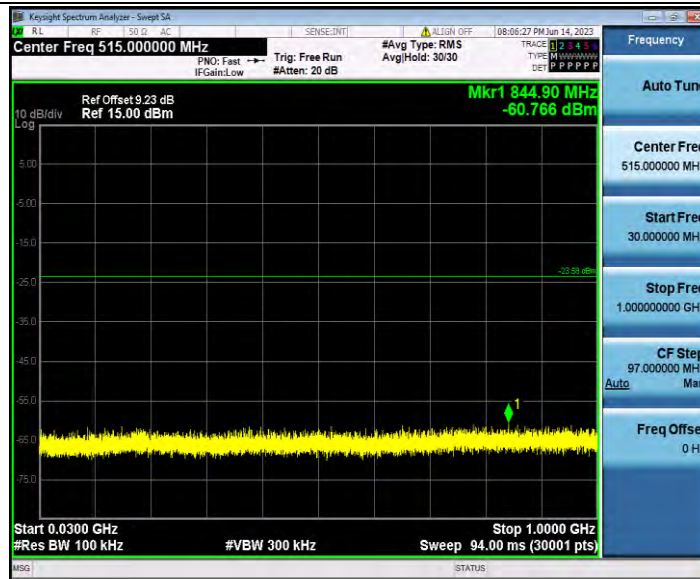
11B_Ant2_2462_30~1000



11B_Ant2_2462_1000~26500



11G_Ant2_2412_0~Reference



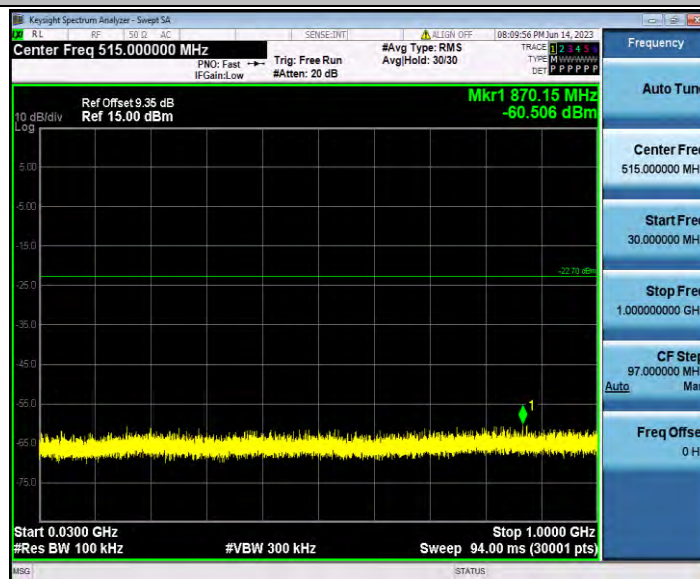
11G_Ant2_2412_30~1000



11G_Ant2_2412_1000~26500



11G_Ant2_2437_0~Reference



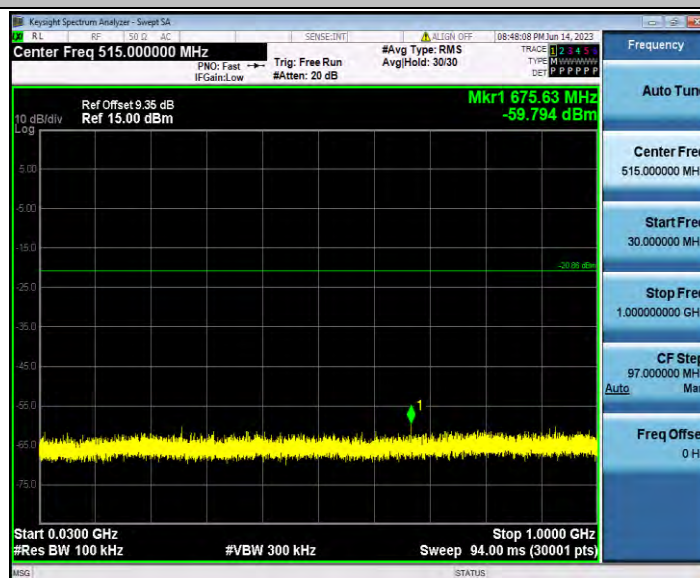
11G_Ant2_2437_30~1000



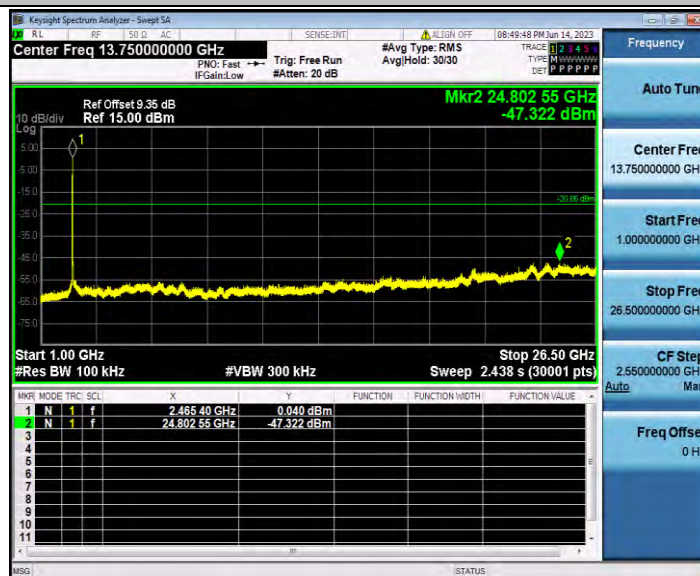
11G_Ant2_2437_1000~26500



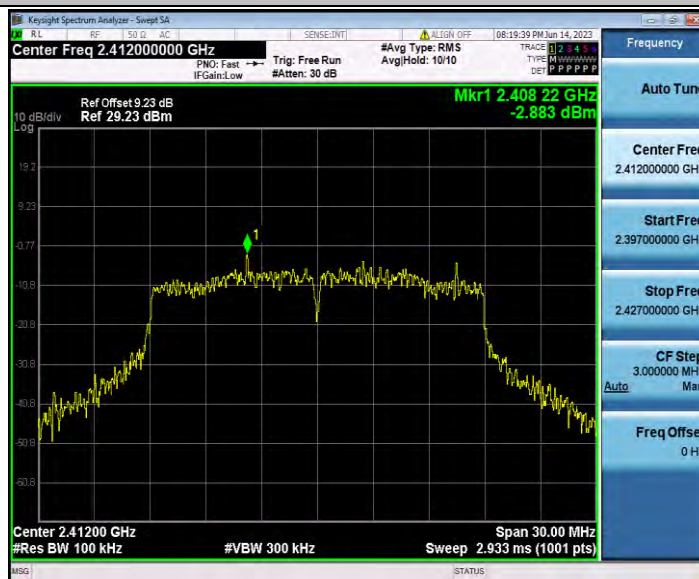
11G_Ant2_2462_0~Reference



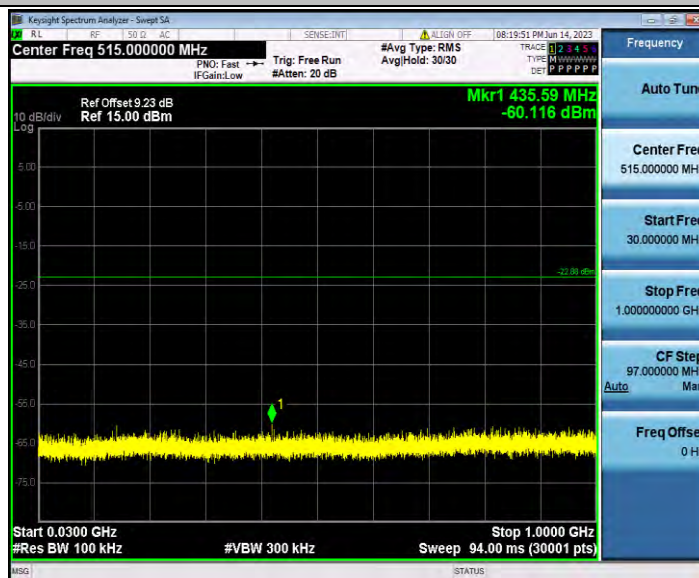
11G_Ant2_2462_30~1000



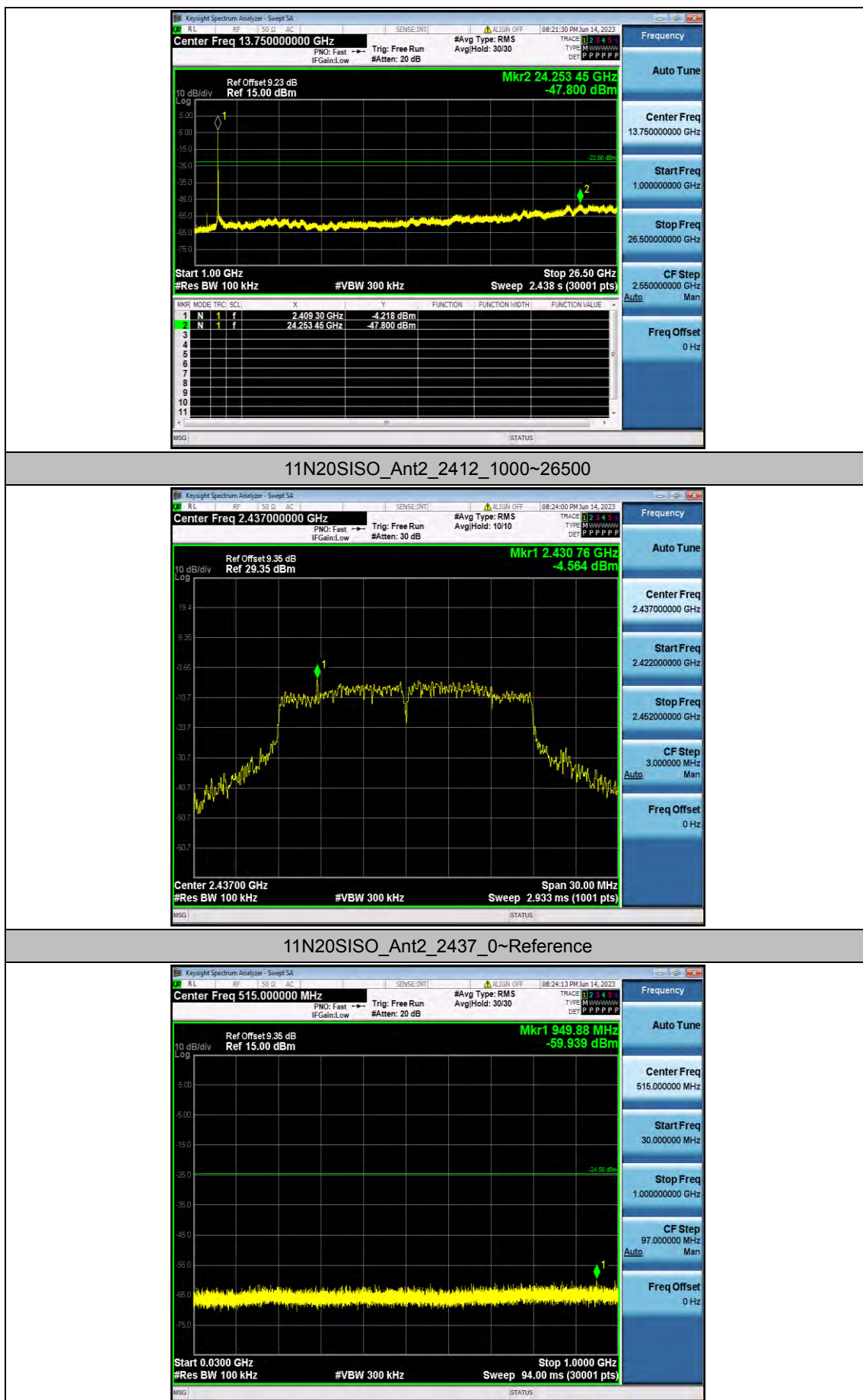
11G_Ant2_2462_1000~26500



11N20SISO_Ant2_2412_0~Reference



11N20SISO_Ant2_2412_30~1000



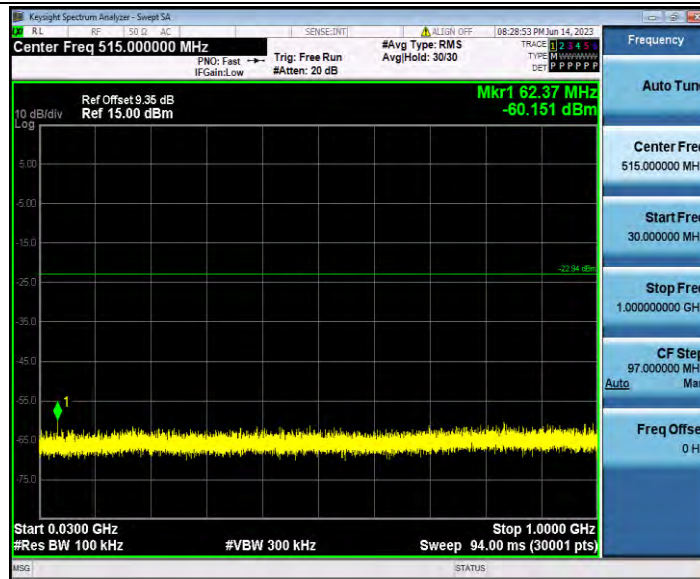
11N20SISO_Ant2_2437_30~1000



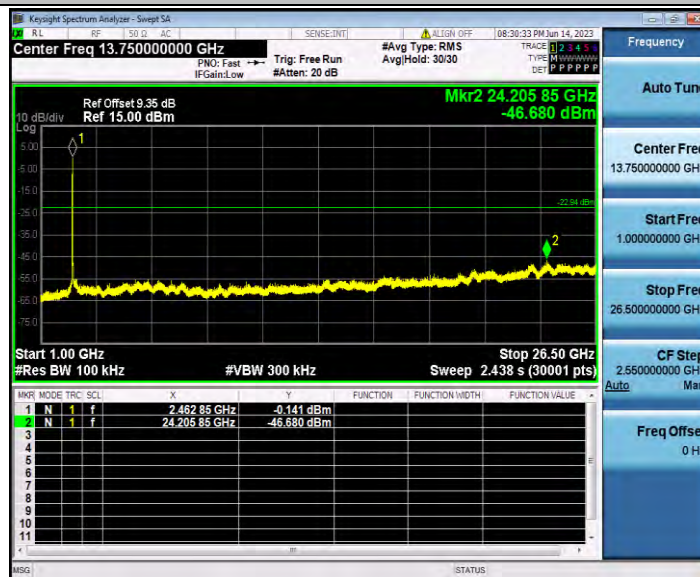
11N20SISO_Ant2_2437_1000~26500



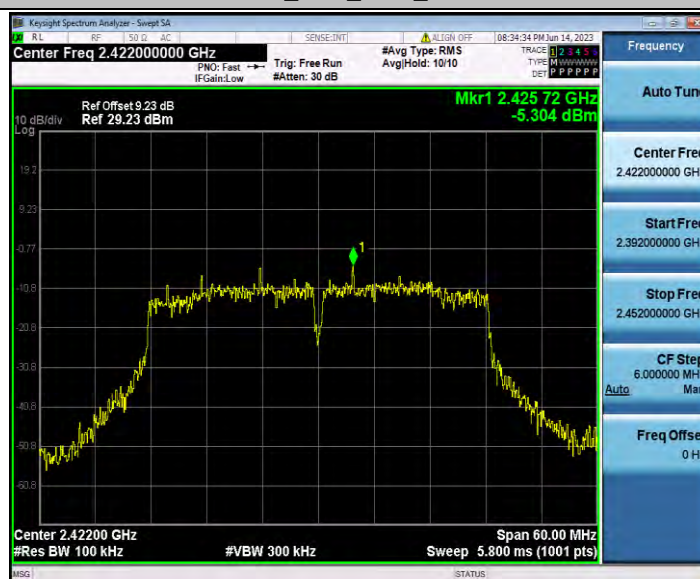
11N20SISO_Ant2_2462_0~Reference



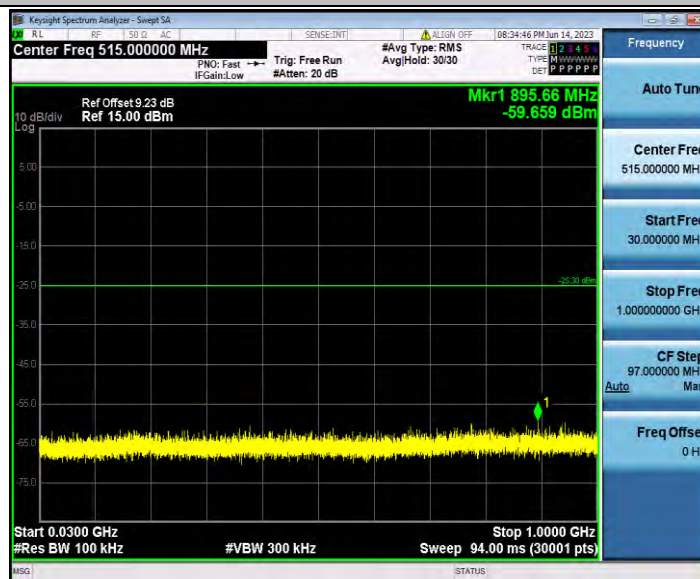
11N20SISO_Ant2_2462_30~1000



11N20SISO_Ant2_2462_1000~26500



11N40SISO_Ant2_2422_0~Reference



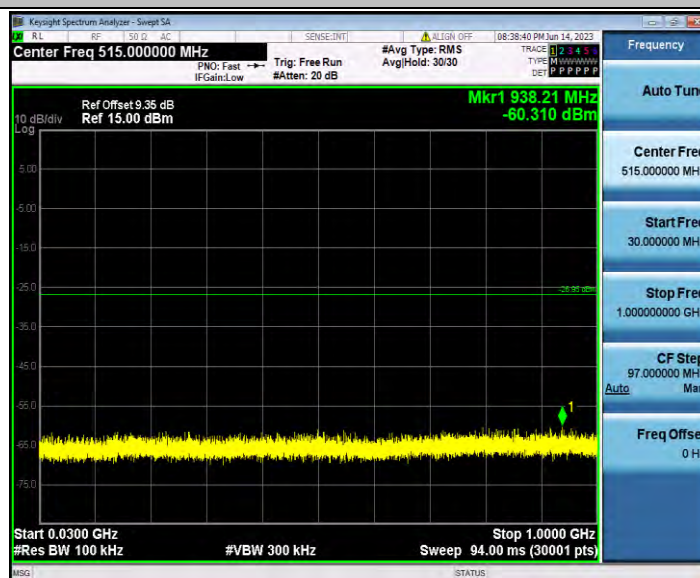
11N40SISO_Ant2_2422_30~1000



11N40SISO_Ant2_2422_1000~26500



11N40SISO_Ant2_2437_0~Reference



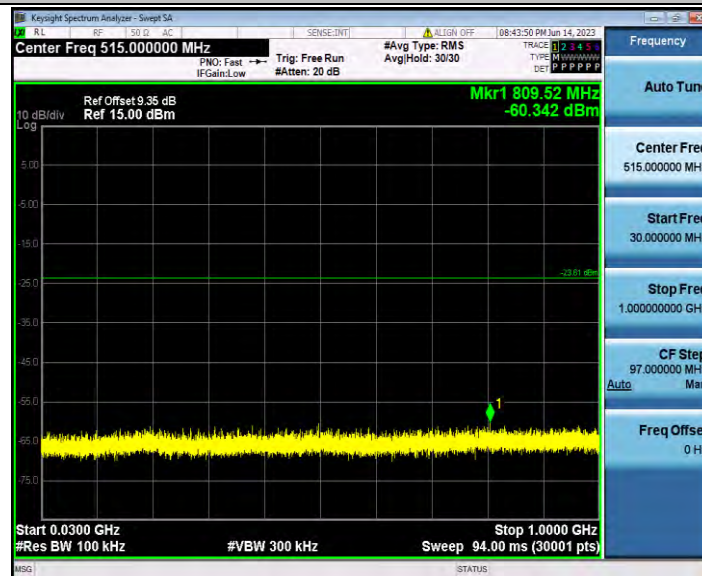
11N40SISO_Ant2_2437_30~1000



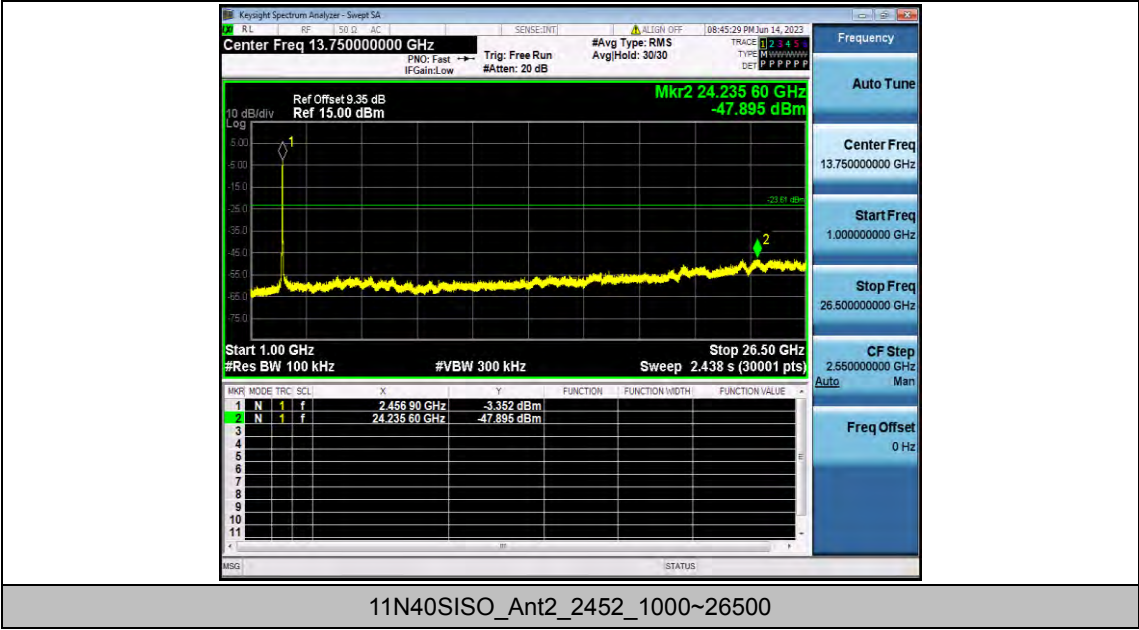
11N40SISO_Ant2_2437_1000~26500



11N40SISO_Ant2_2452_0~Reference



11N40SISO_Ant2_2452_30~1000



11N40SISO_Ant2_2452_1000~26500