

Case No. : <u>GTS20230315007-1-3</u>	
Ambient Condition: <u>25</u> °C, <u>49</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.5.20</u>	Test Engineer: <u>Jenny zeng</u>

Appendix C.1: DTS Bandwidth

Test Result

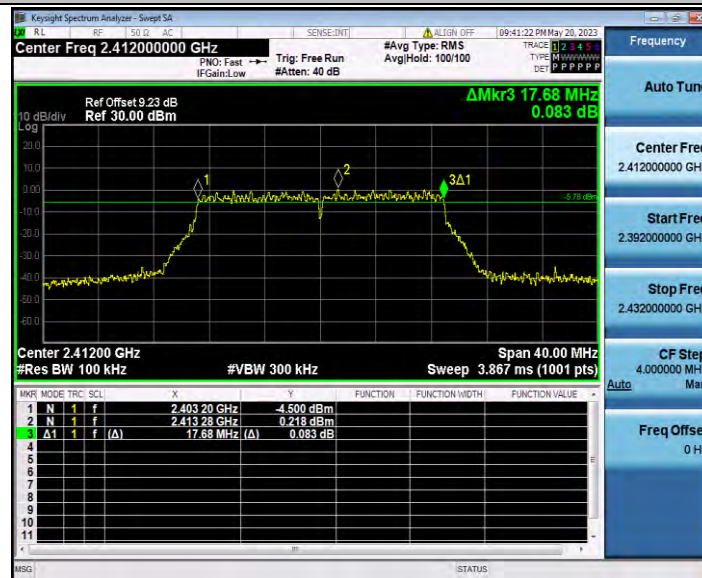
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	7.760	2408.240	2416.000	0.5	PASS
		2437	7.760	2433.120	2440.880	0.5	PASS
		2462	7.640	2458.160	2465.800	0.5	PASS
11G	Ant2	2412	16.360	2403.840	2420.200	0.5	PASS
		2437	16.360	2428.840	2445.200	0.5	PASS
		2462	16.320	2453.880	2470.200	0.5	PASS
11N20SISO	Ant2	2412	17.680	2403.200	2420.880	0.5	PASS
		2437	17.720	2428.160	2445.880	0.5	PASS
		2462	17.720	2453.160	2470.880	0.5	PASS
11AX20SISO	Ant2	2412	19.080	2402.480	2421.560	0.5	PASS
		2437	19.080	2427.480	2446.560	0.5	PASS
		2462	19.040	2452.520	2471.560	0.5	PASS



11G_Ant2_2437



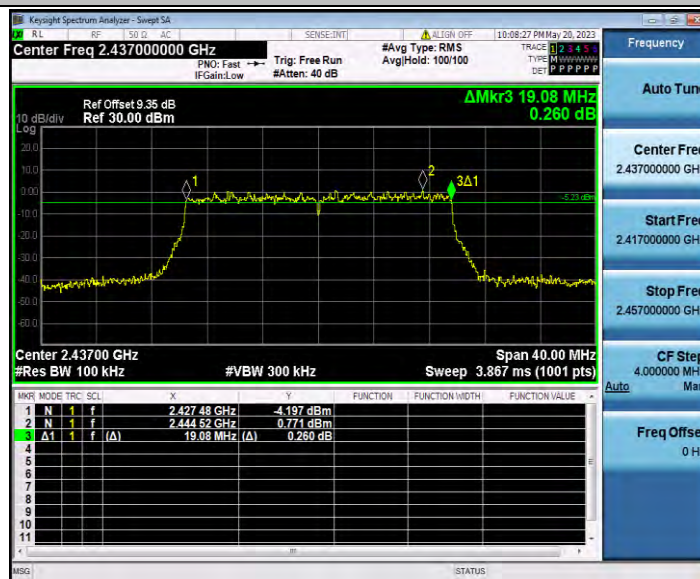
11G_Ant2_2462



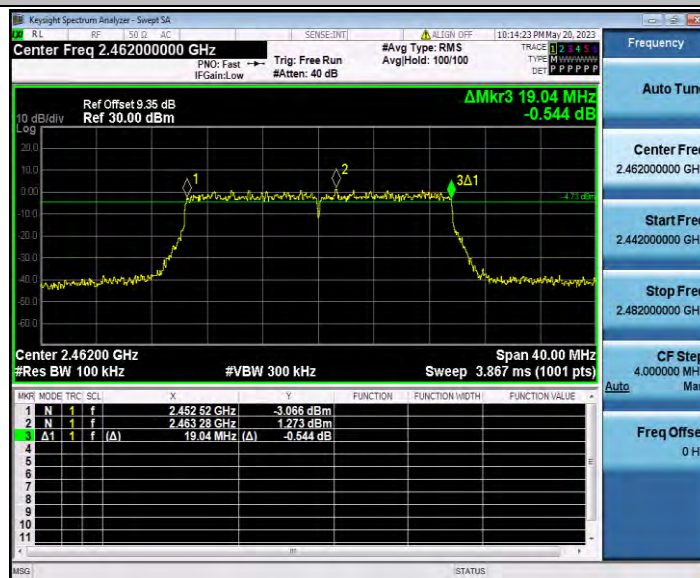
11N20SISO_Ant2_2412



11AX20SISO_Ant2_2412



11AX20SISO_Ant2_2437



11AX20SISO_Ant2_2462

Appendix C.2: Occupied Channel Bandwidth

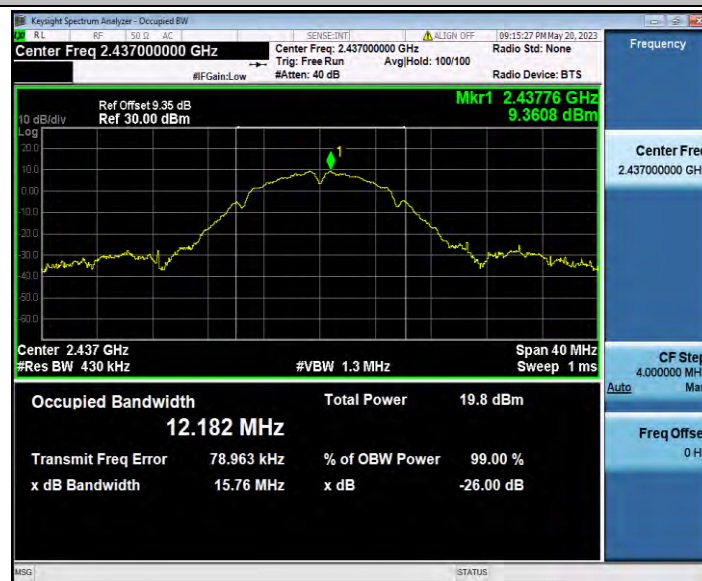
Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	12.138	2405.997	2418.135	---	---
		2437	12.182	2430.988	2443.170	---	---
		2462	12.079	2456.019	2468.098	---	---
11G	Ant2	2412	17.214	2403.450	2420.664	---	---
		2437	17.259	2428.417	2445.676	---	---
		2462	17.212	2453.454	2470.666	---	---
11N20SISO	Ant2	2412	18.190	2402.993	2421.183	---	---
		2437	18.082	2428.012	2446.094	---	---
		2462	18.088	2453.035	2471.123	---	---
11AX20SISO	Ant2	2412	19.133	2402.487	2421.620	---	---
		2437	19.140	2427.467	2446.607	---	---
		2462	19.117	2452.493	2471.610	---	---

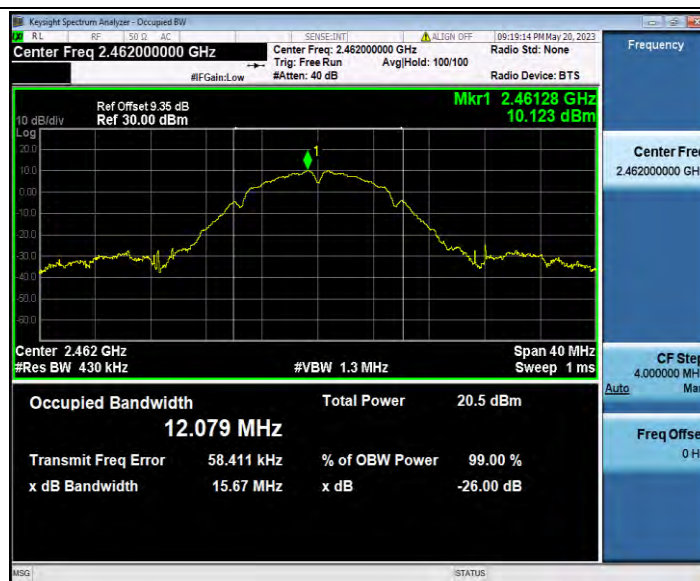
Test Graphs



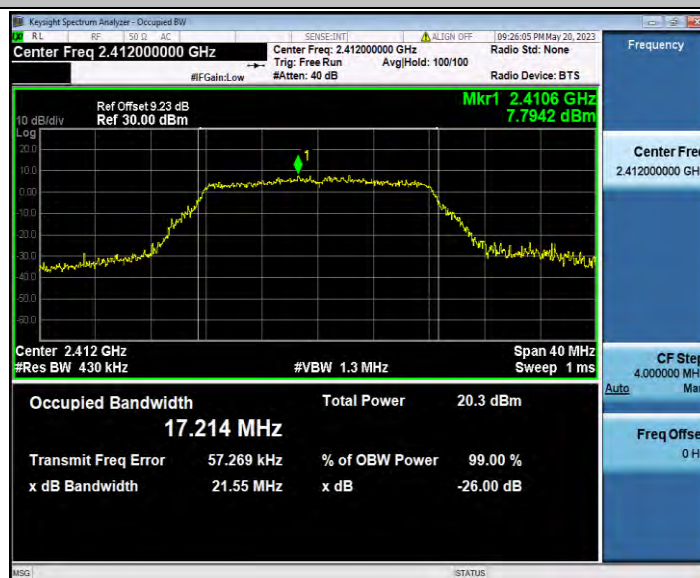
11B_Ant2_2412



11B_Ant2_2437



11B_Ant2_2462



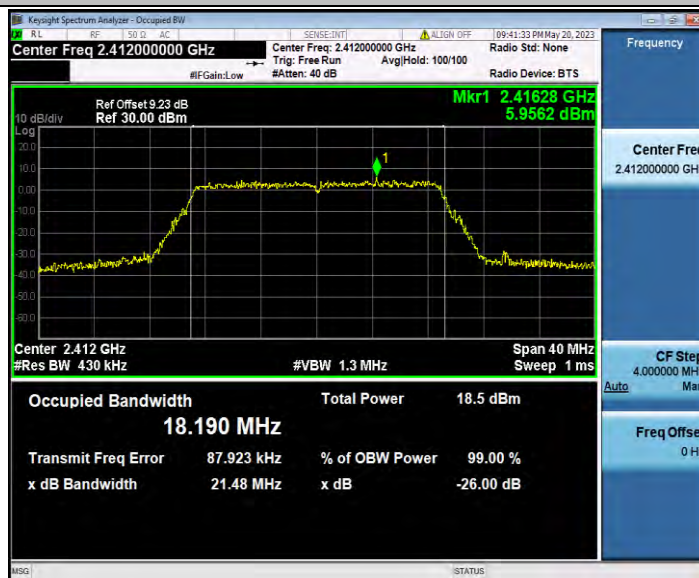
11G_Ant2_2412



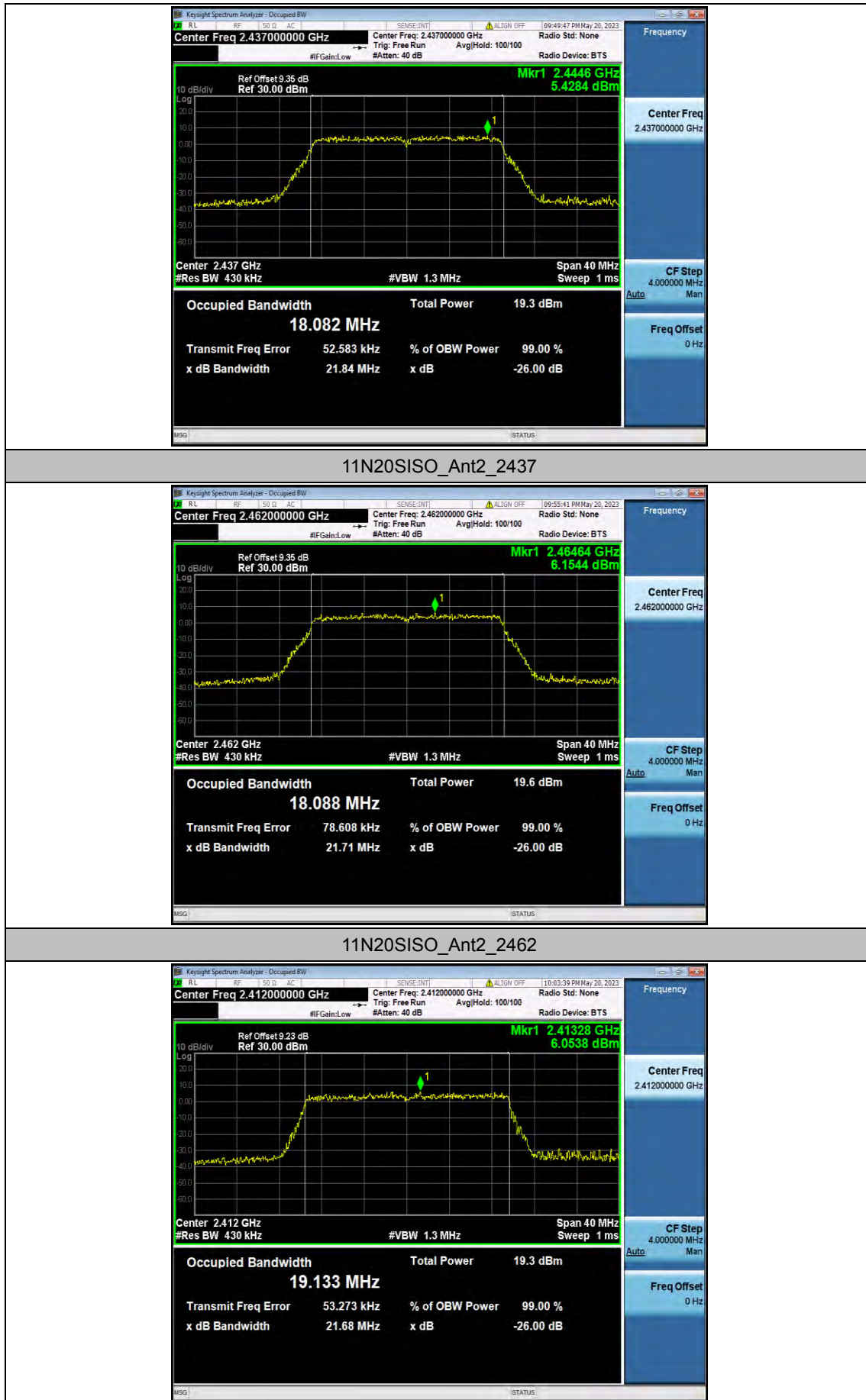
11G_Ant2_2437



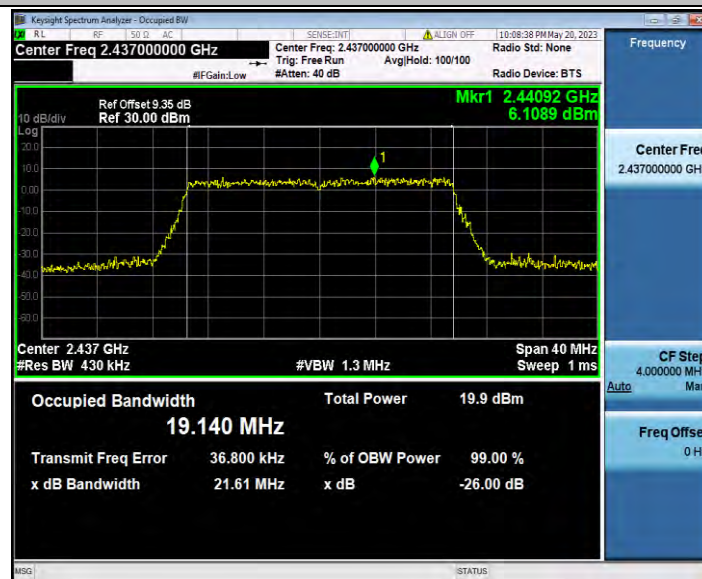
11G_Ant2_2462



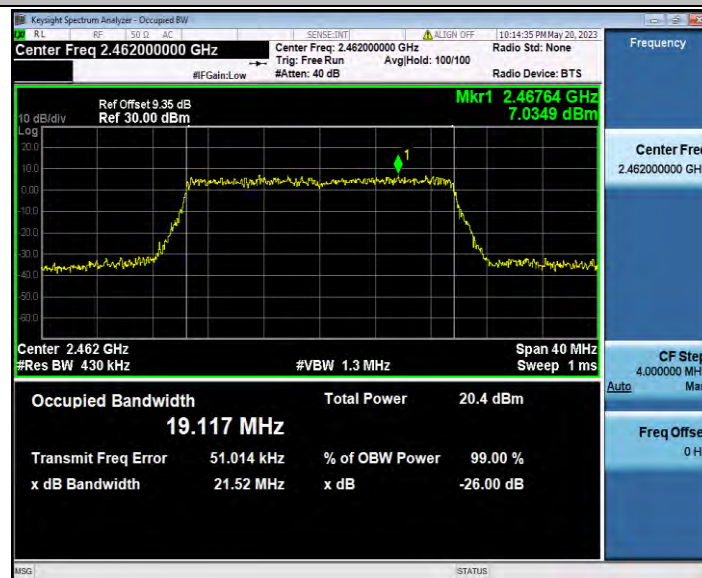
11N20SISO_Ant2_2412



11AX20SISO_Ant2_2412



11AX20SISO_Ant2_2437



11AX20SISO_Ant2_2462

Appendix C.3: Maximum conducted output power

Test Result Peak

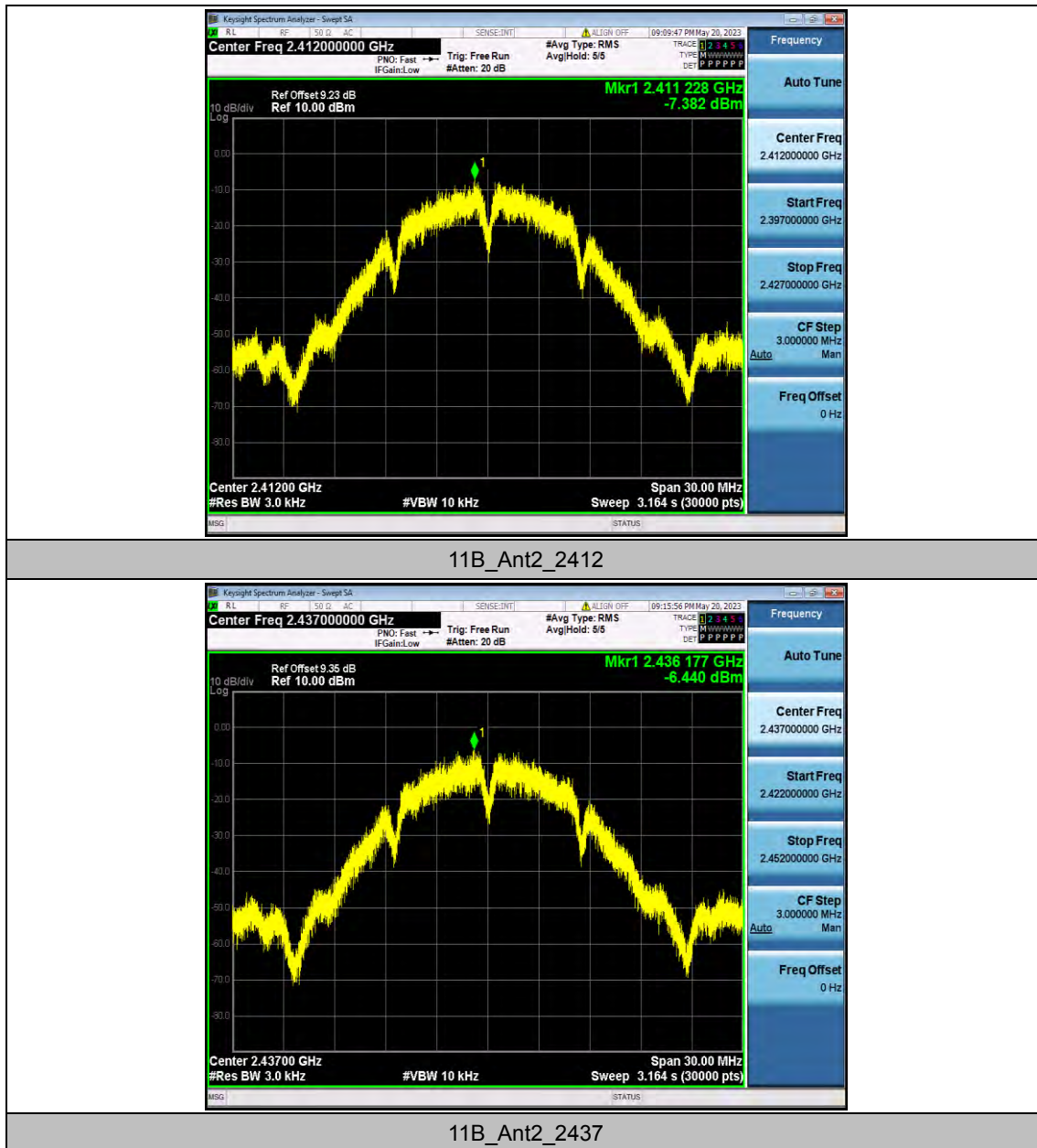
TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant2	2412	18.30	≤30.00	PASS
		2437	19.41	≤30.00	PASS
		2462	20.15	≤30.00	PASS
11G	Ant2	2412	21.53	≤30.00	PASS
		2437	22.15	≤30.00	PASS
		2462	22.69	≤30.00	PASS
11N20SISO	Ant2	2412	19.39	≤30.00	PASS
		2437	20.09	≤30.00	PASS
		2462	20.53	≤30.00	PASS
11AX20SISO	Ant2	2412	19.89	≤30.00	PASS
		2437	20.45	≤30.00	PASS
		2462	21.02	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

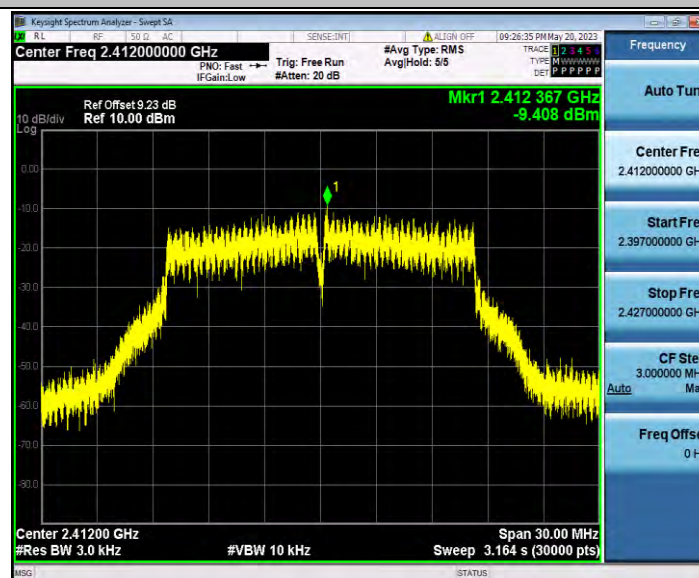
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-7.38	≤8.00	PASS
		2437	-6.44	≤8.00	PASS
		2462	-5.72	≤8.00	PASS
11G	Ant2	2412	-9.41	≤8.00	PASS
		2437	-9	≤8.00	PASS
		2462	-9.31	≤8.00	PASS
11N20SISO	Ant2	2412	-13.82	≤8.00	PASS
		2437	-13.03	≤8.00	PASS
		2462	-13.77	≤8.00	PASS
11AX20SISO	Ant2	2412	-14.94	≤8.00	PASS
		2437	-14.72	≤8.00	PASS
		2462	-14.34	≤8.00	PASS

Test Graphs

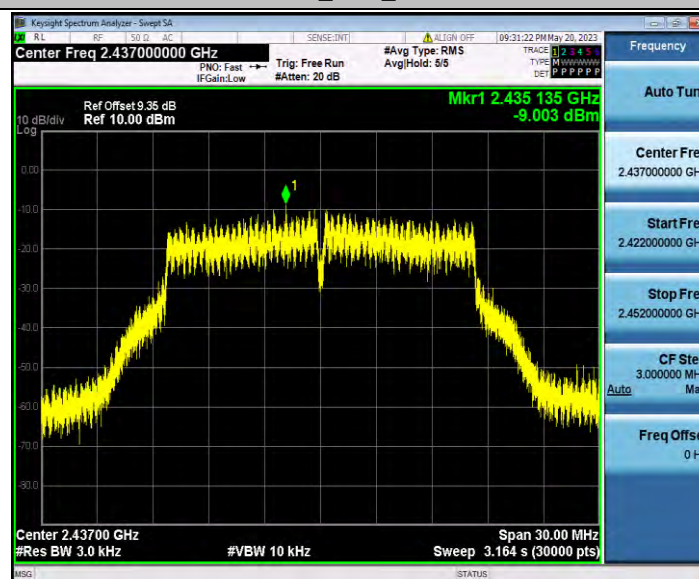




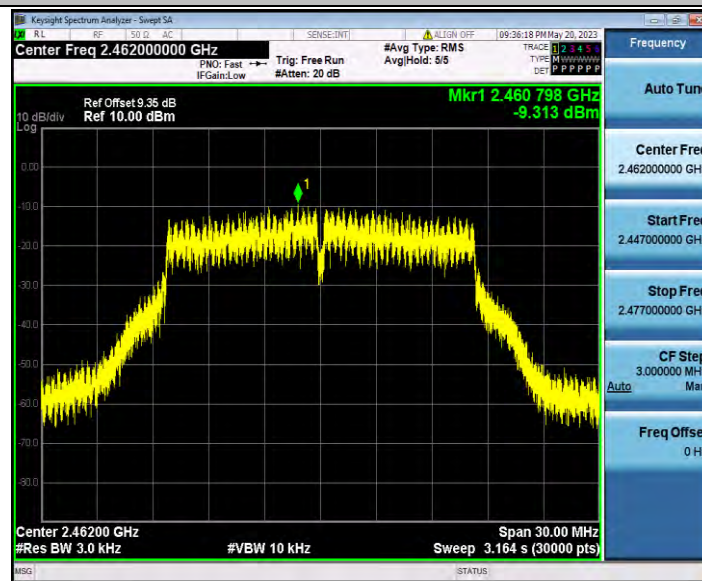
11B_Ant2_2462



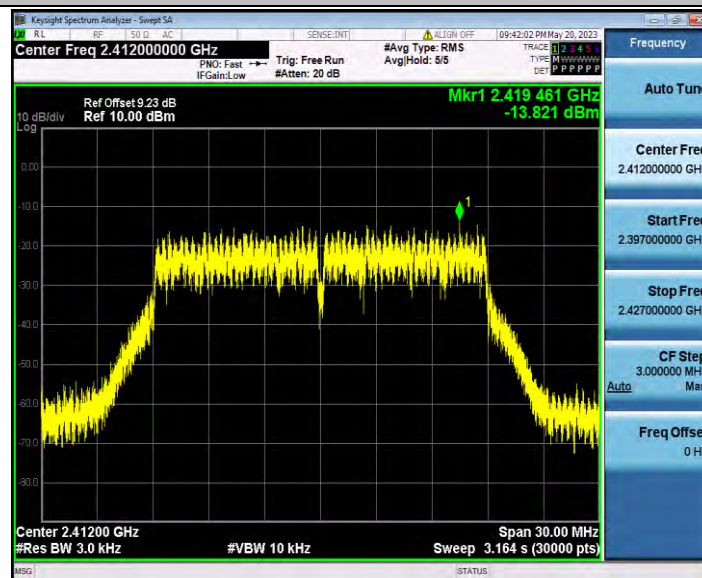
11G_Ant2_2412



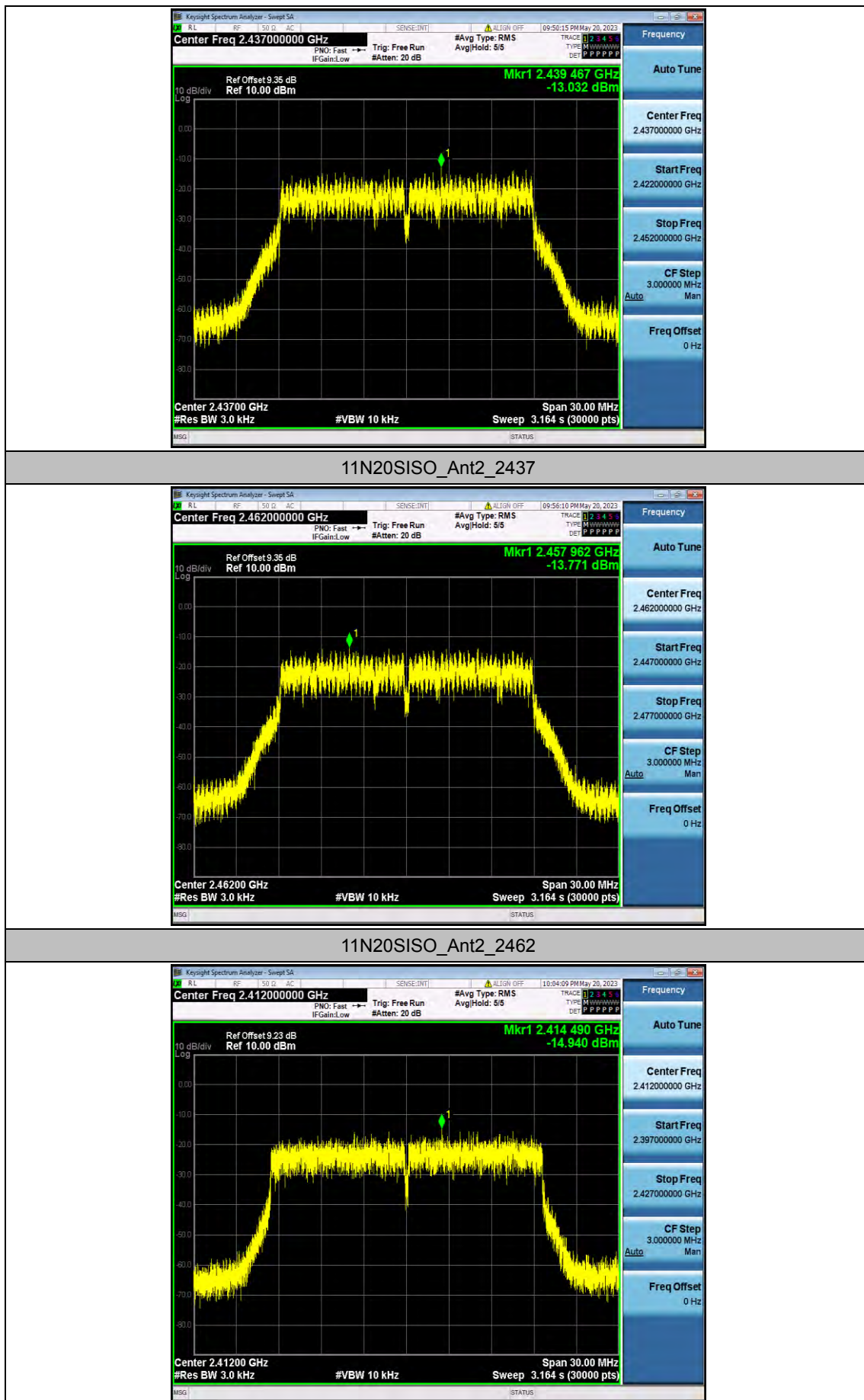
11G_Ant2_2437



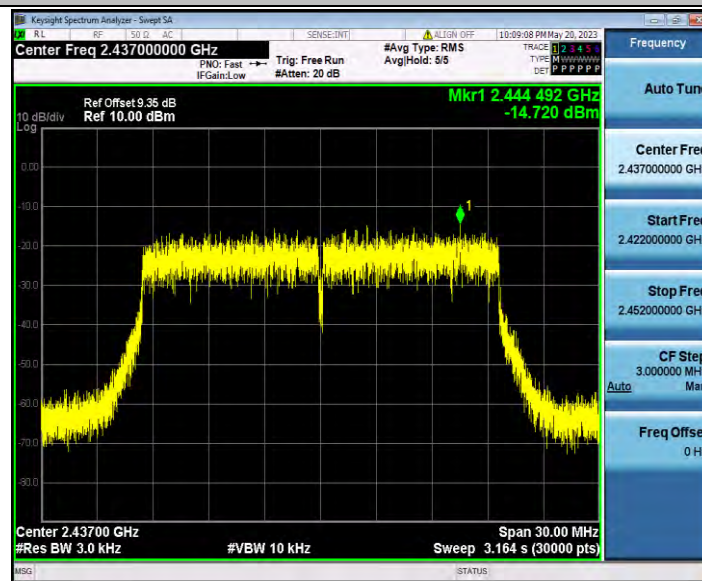
11G_Ant2_2462



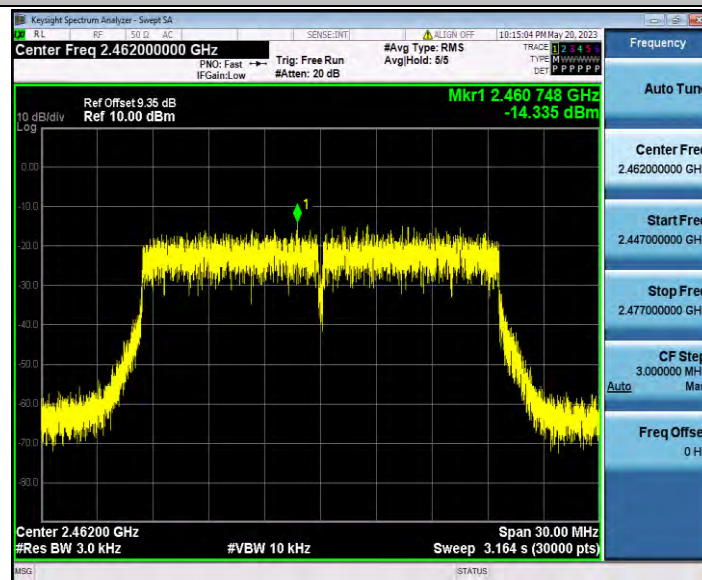
11N20SISO_Ant2_2412



11AX20SISO_Ant2_2412



11AX20SISO_Ant2_2437



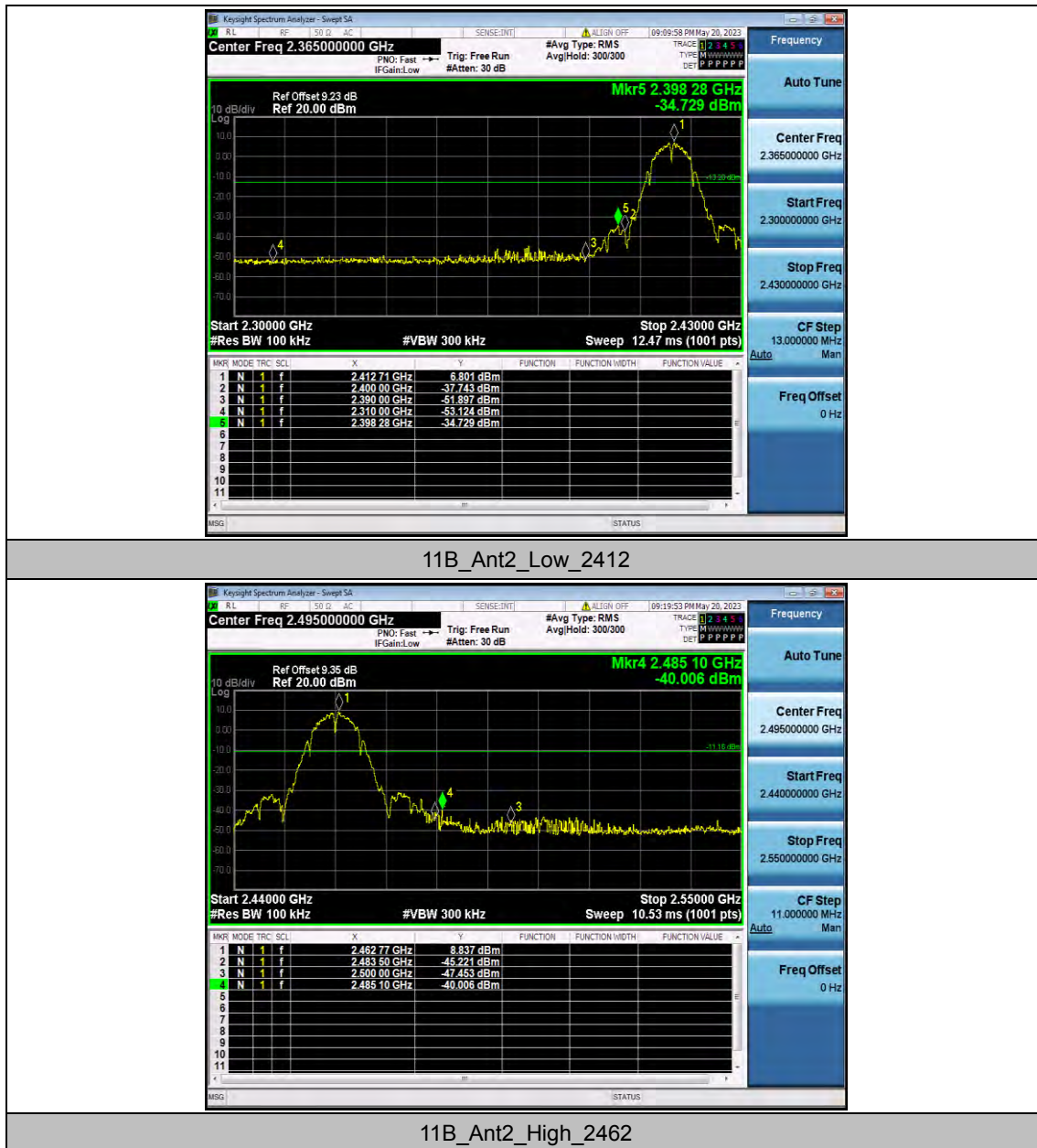
11AX20SISO_Ant2_2462

Appendix C.5: Band edge measurements

Test Result

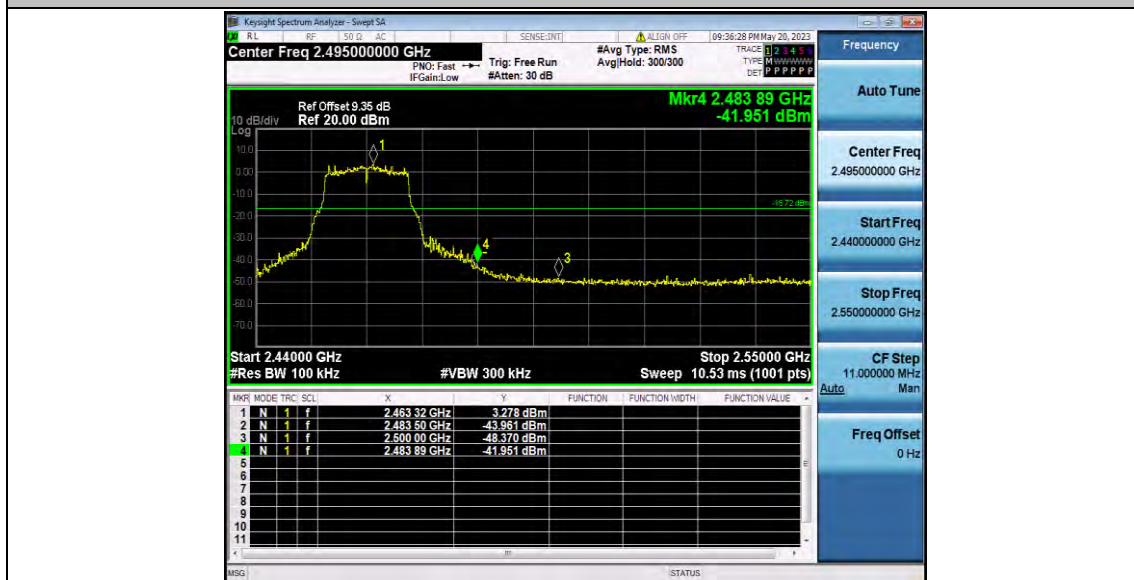
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	6.80	-34.73	≤ -13.2	PASS
		High	2462	8.84	-40.01	≤ -11.16	PASS
11G	Ant2	Low	2412	2.20	-31.84	≤ -17.8	PASS
		High	2462	3.28	-41.95	≤ -16.72	PASS
11N20SISO	Ant2	Low	2412	0.20	-36.93	≤ -19.81	PASS
		High	2462	1.68	-44.38	≤ -18.32	PASS
11AX20SISO	Ant2	Low	2412	0.25	-38.9	≤ -19.75	PASS
		High	2462	1.38	-41.61	≤ -18.62	PASS

Test Graphs





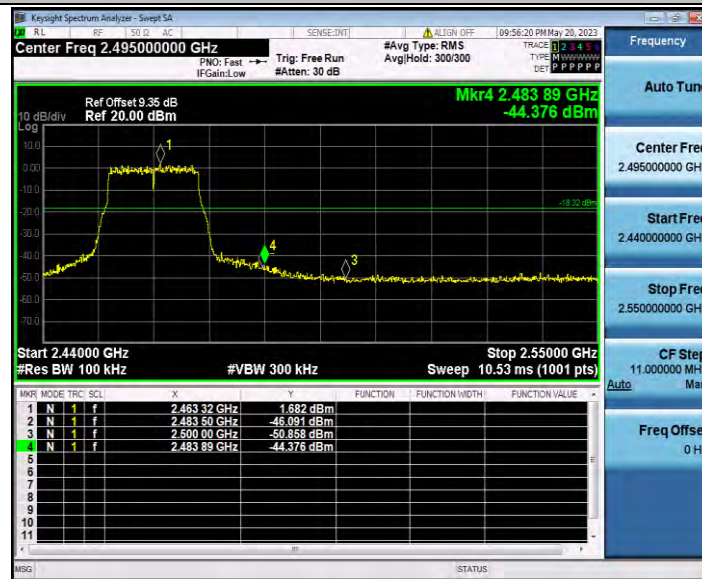
11G_Ant2_Low_2412



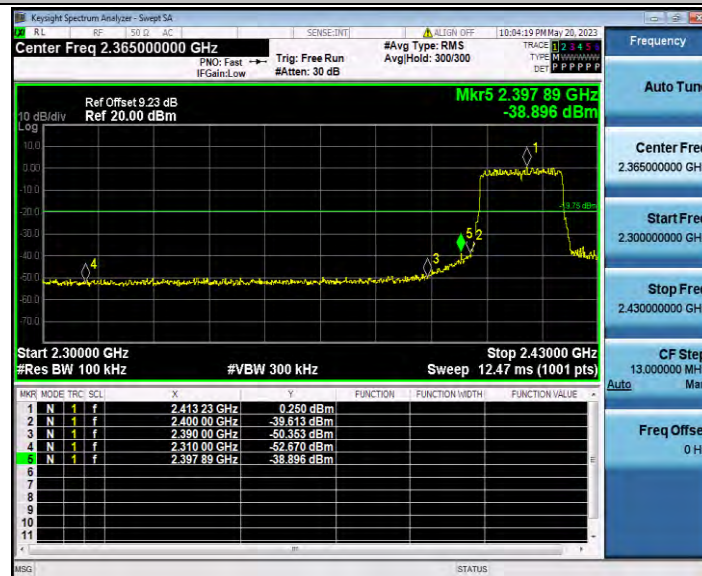
11G_Ant2_High_2462



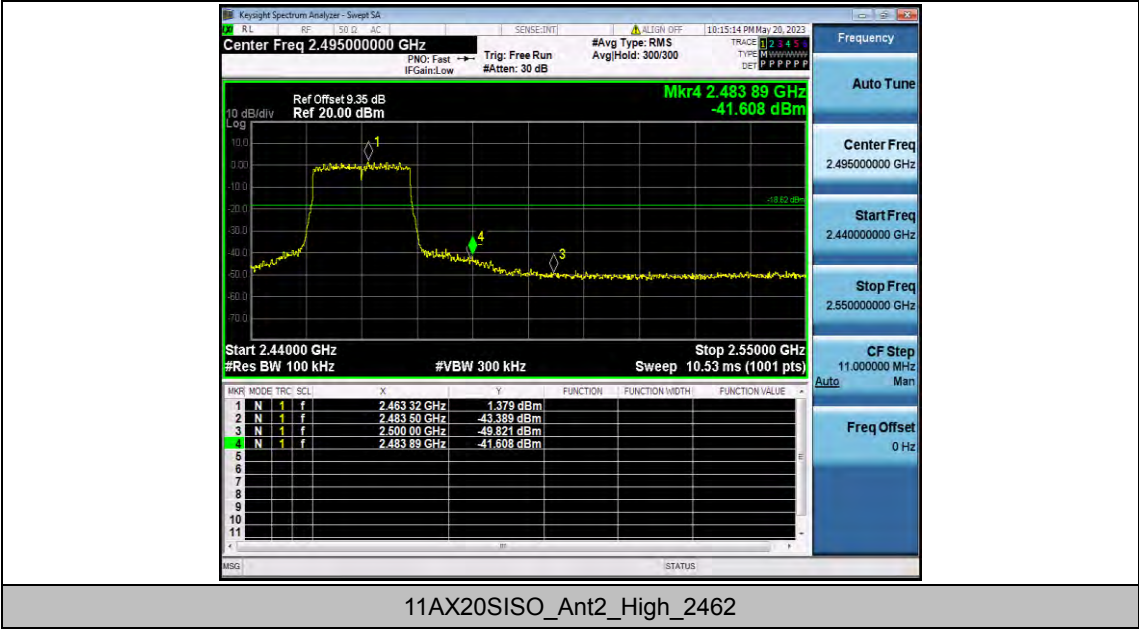
11N20SISO_Ant2_Low_2412



11N20SISO_Ant2_High_2462



11AX20SISO_Ant2_Low_2412



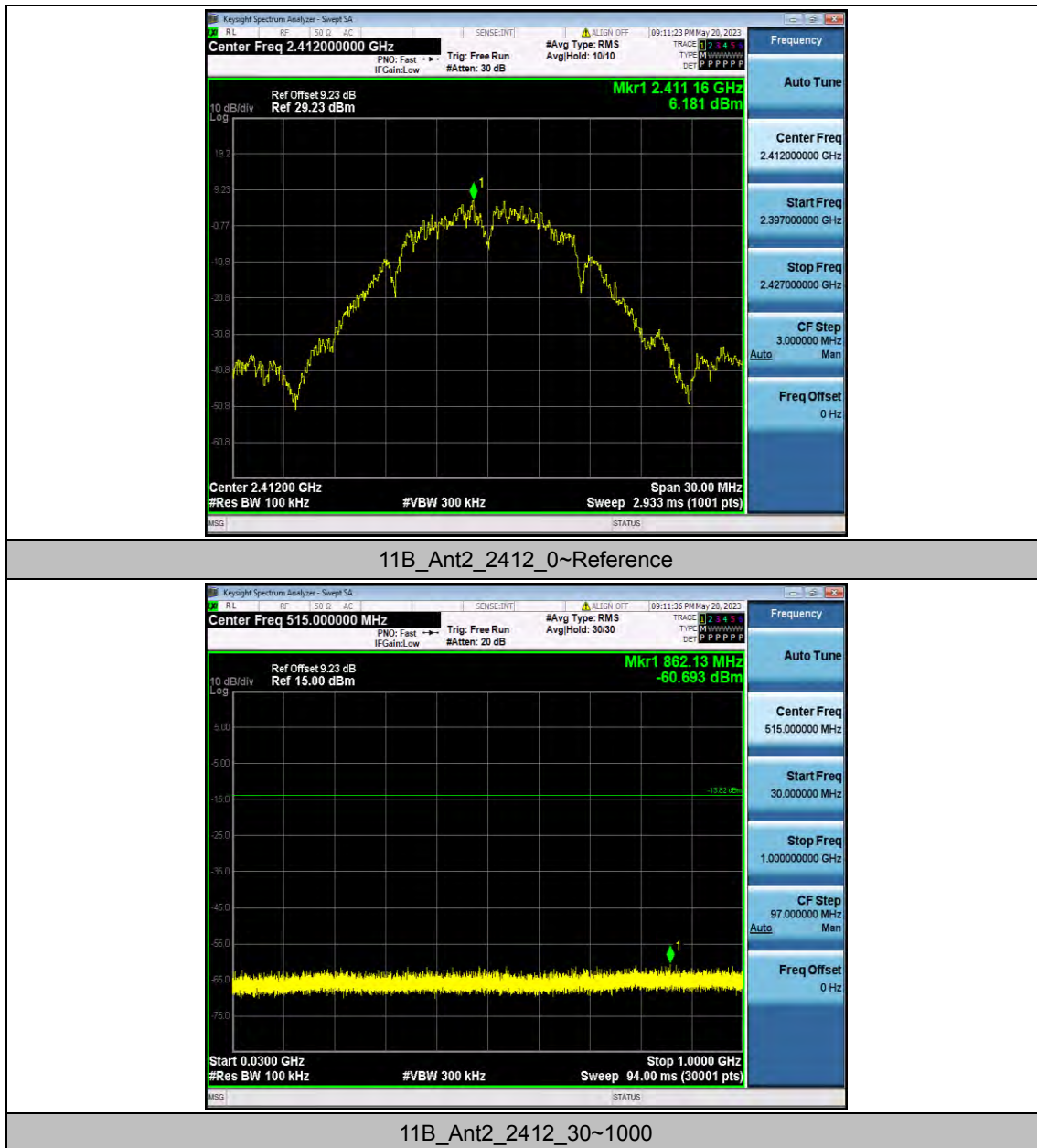
11AX20SISO_Ant2_High_2462

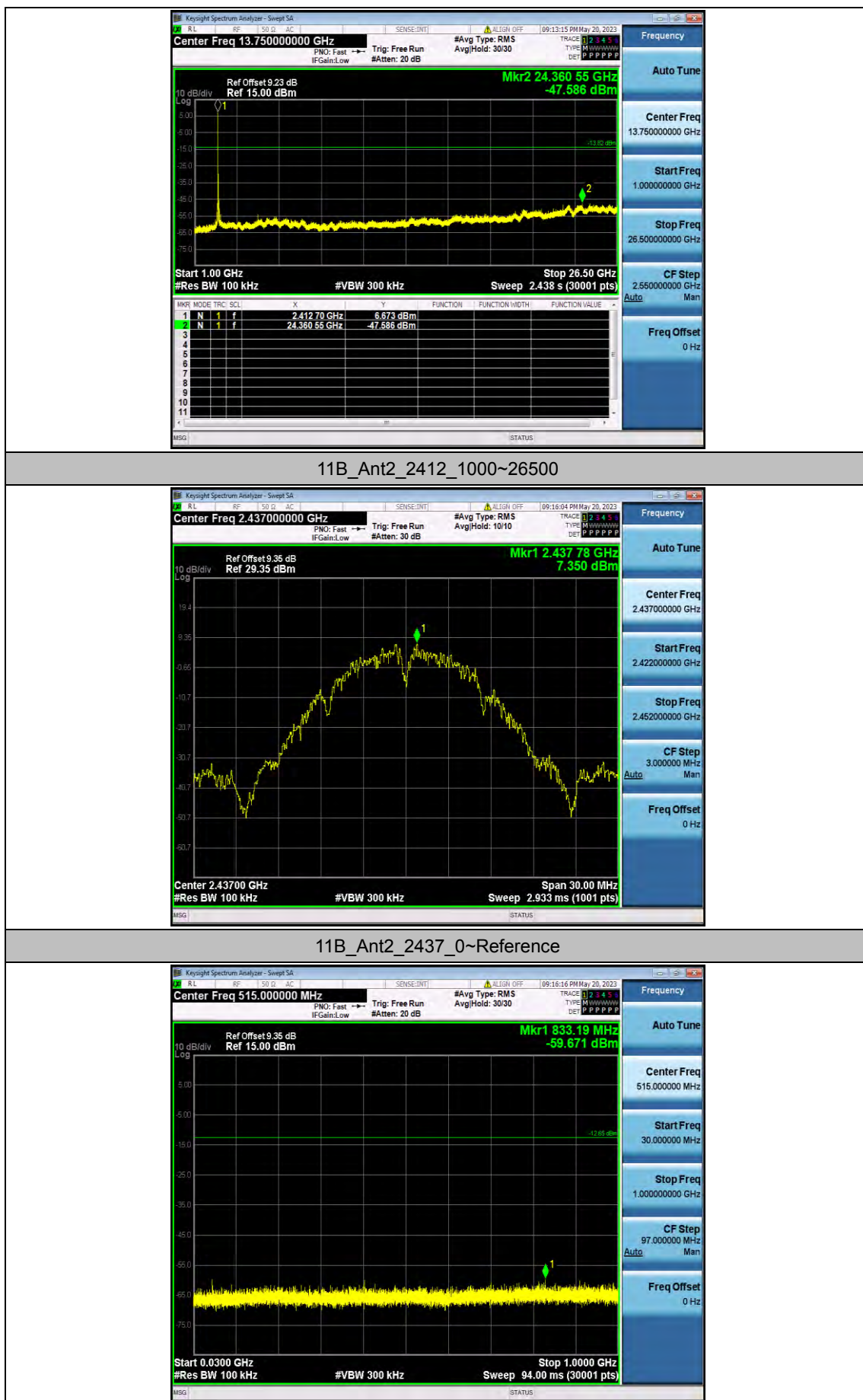
Appendix C.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	6.18	6.18	---	PASS
			30~1000	6.18	-60.69	≤ -13.82	PASS
			1000~26500	6.18	-47.59	≤ -13.82	PASS
		2437	Reference	7.35	7.35	---	PASS
			30~1000	7.35	-59.67	≤ -12.65	PASS
			1000~26500	7.35	-47.05	≤ -12.65	PASS
		2462	Reference	7.81	7.81	---	PASS
			30~1000	7.81	-60.34	≤ -12.19	PASS
			1000~26500	7.81	-47.65	≤ -12.19	PASS
11G	Ant2	2412	Reference	1.92	1.92	---	PASS
			30~1000	1.92	-60.37	≤ -18.08	PASS
			1000~26500	1.92	-47.52	≤ -18.08	PASS
		2437	Reference	1.48	1.48	---	PASS
			30~1000	1.48	-60.11	≤ -18.52	PASS
			1000~26500	1.48	-47.49	≤ -18.52	PASS
		2462	Reference	2.80	2.80	---	PASS
			30~1000	2.80	-60.27	≤ -17.2	PASS
			1000~26500	2.80	-47.78	≤ -17.2	PASS
11N20SISO	Ant2	2412	Reference	0.19	0.19	---	PASS
			30~1000	0.19	-60.07	≤ -19.81	PASS
			1000~26500	0.19	-47.61	≤ -19.81	PASS
		2437	Reference	0.28	0.28	---	PASS
			30~1000	0.28	-58.55	≤ -19.72	PASS
			1000~26500	0.28	-47.33	≤ -19.72	PASS
		2462	Reference	1.11	1.11	---	PASS
			30~1000	1.11	-59.46	≤ -18.89	PASS
			1000~26500	1.11	-47.21	≤ -18.89	PASS
11AX20SISO	Ant2	2412	Reference	-0.10	-0.10	---	PASS
			30~1000	-0.10	-60.05	≤ -20.1	PASS
			1000~26500	-0.10	-47.23	≤ -20.1	PASS
		2437	Reference	0.18	0.18	---	PASS
			30~1000	0.18	-60.7	≤ -19.82	PASS
			1000~26500	0.18	-47.84	≤ -19.82	PASS
		2462	Reference	0.69	0.69	---	PASS
			30~1000	0.69	-60.32	≤ -19.31	PASS
			1000~26500	0.69	-47.14	≤ -19.31	PASS

Test Graphs





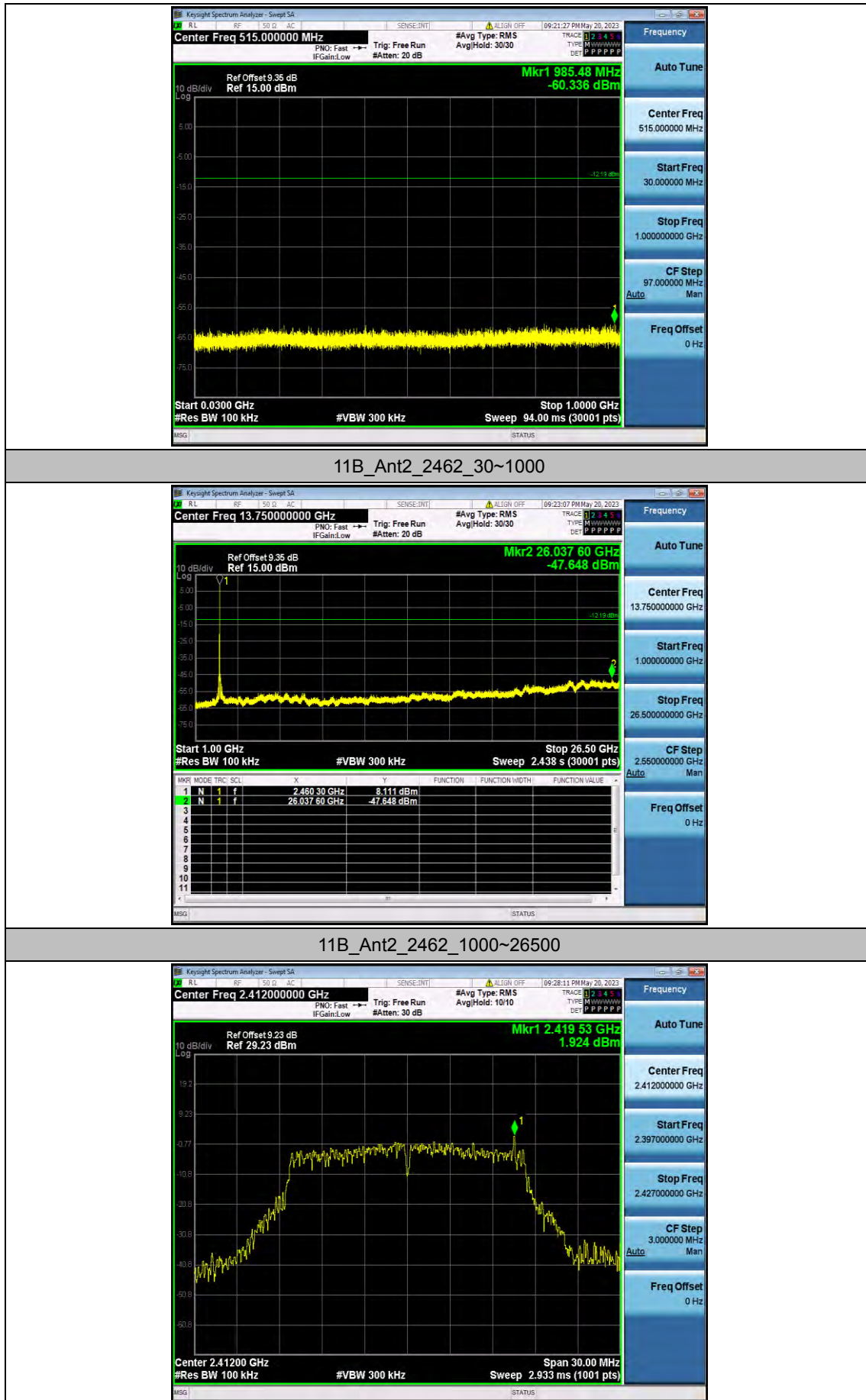
11B_Ant2_2437_30~1000



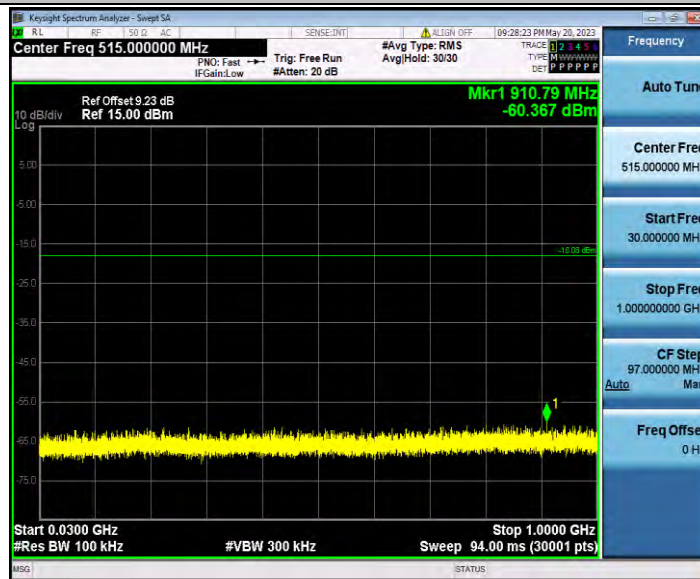
11B_Ant2_2437_1000~26500



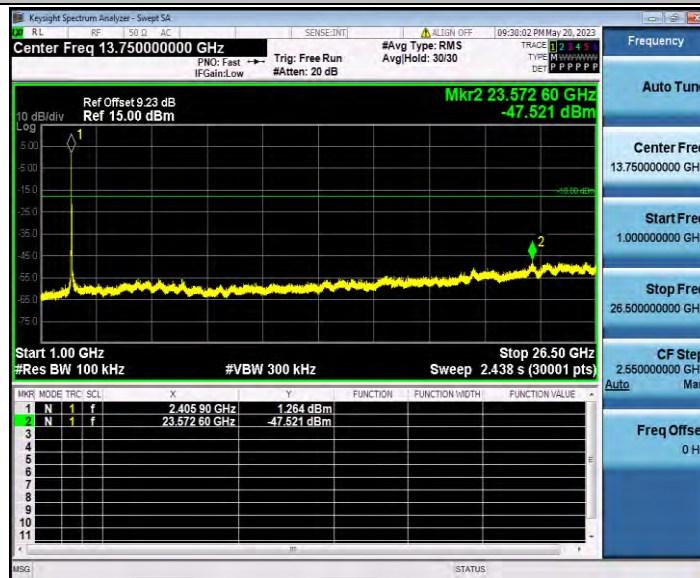
11B_Ant2_2462_0~Reference



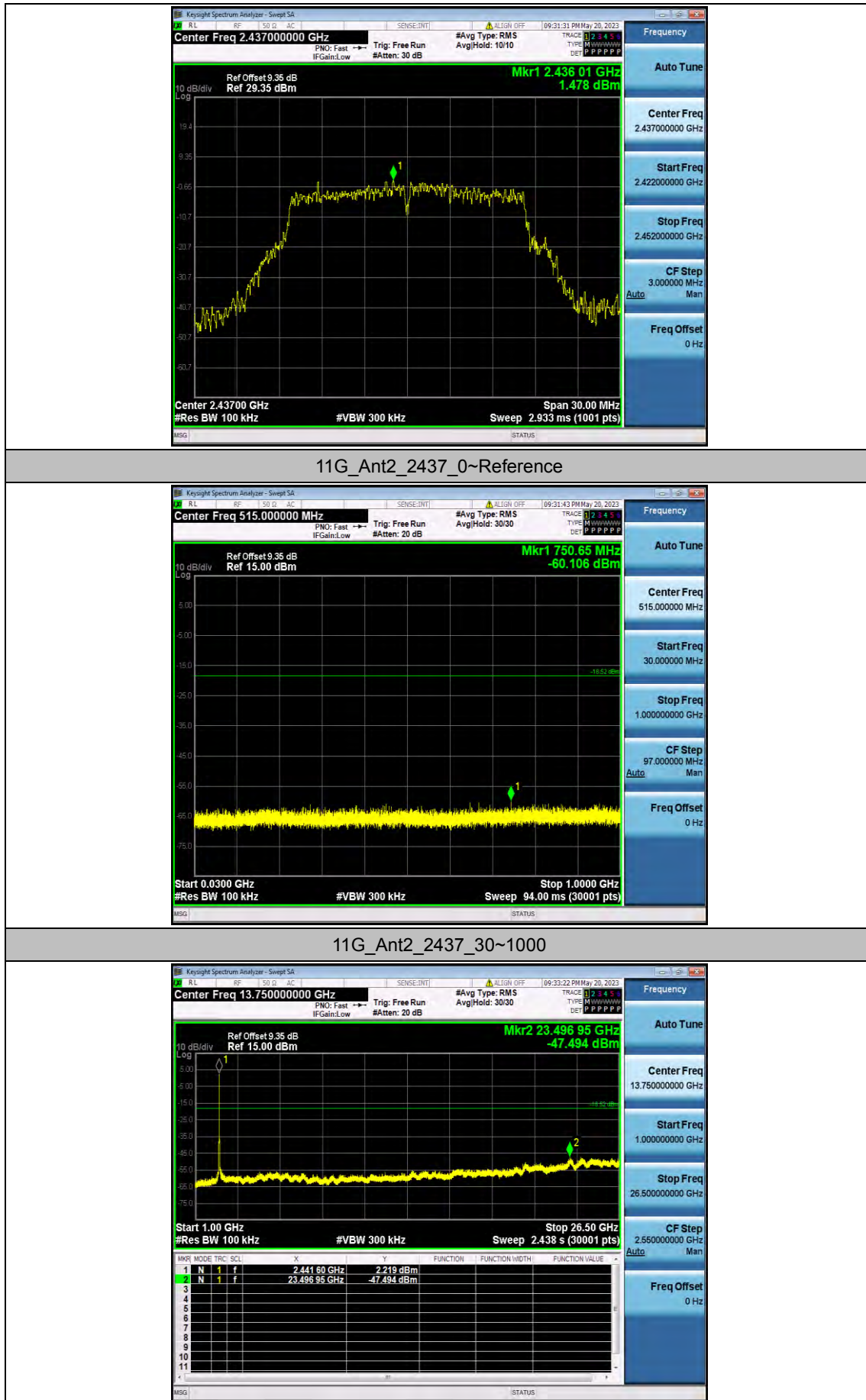
11G_Ant2_2412_0~Reference



11G_Ant2_2412_30~1000



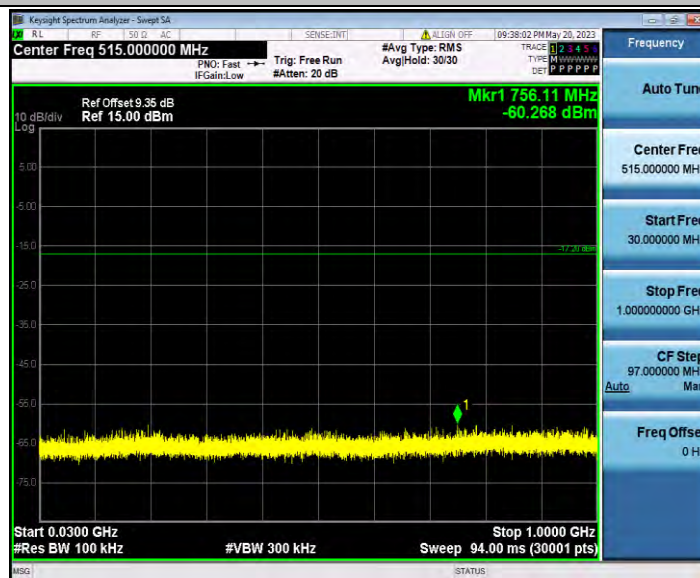
11G_Ant2_2412_1000~26500



11G_Ant2_2437_1000~26500

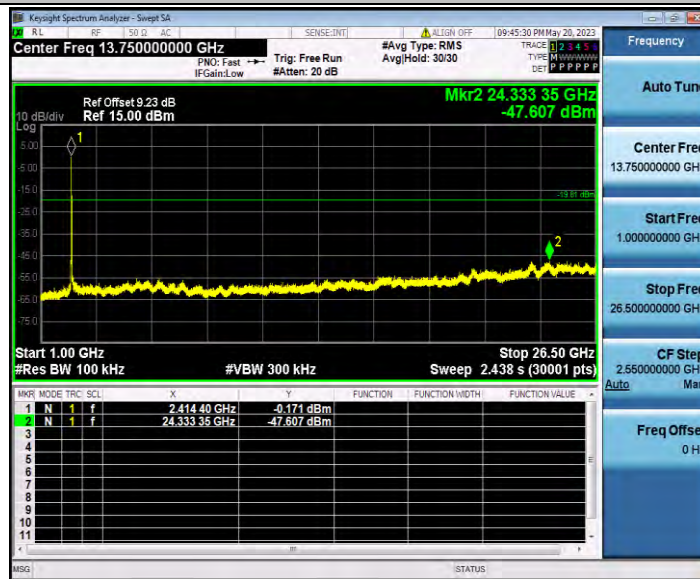


11G_Ant2_2462_0~Reference

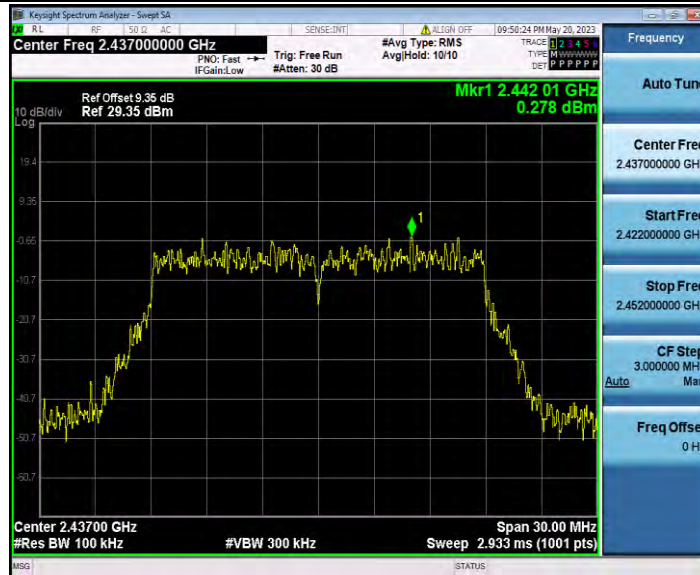


11G_Ant2_2462_30~1000

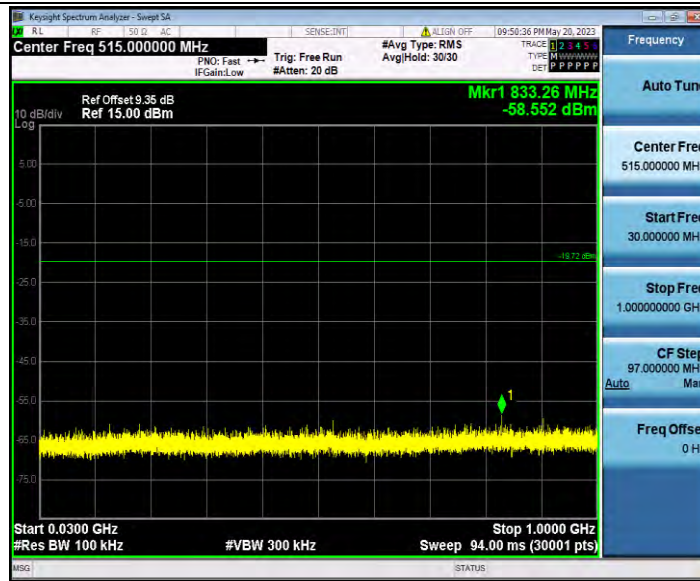
11N20SISO_Ant2_2412_30~1000



11N20SISO_Ant2_2412_1000~26500



11N20SISO_Ant2_2437_0~Reference



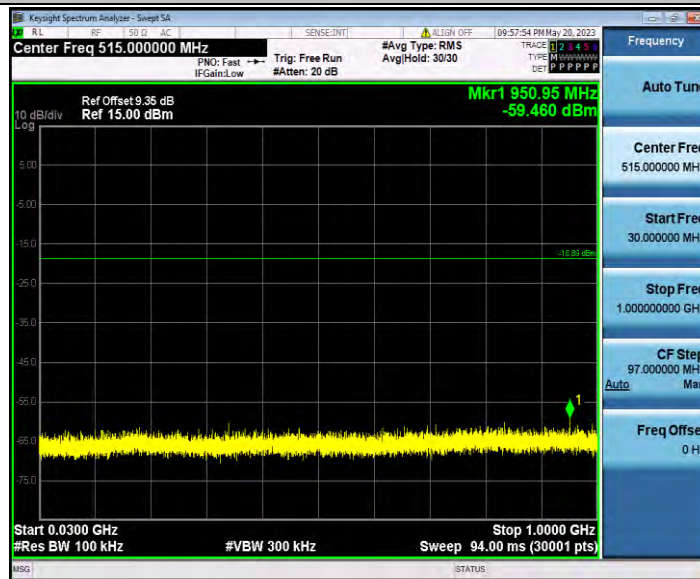
11N20SISO_Ant2_2437_30~1000



11N20SISO_Ant2_2437_1000~26500



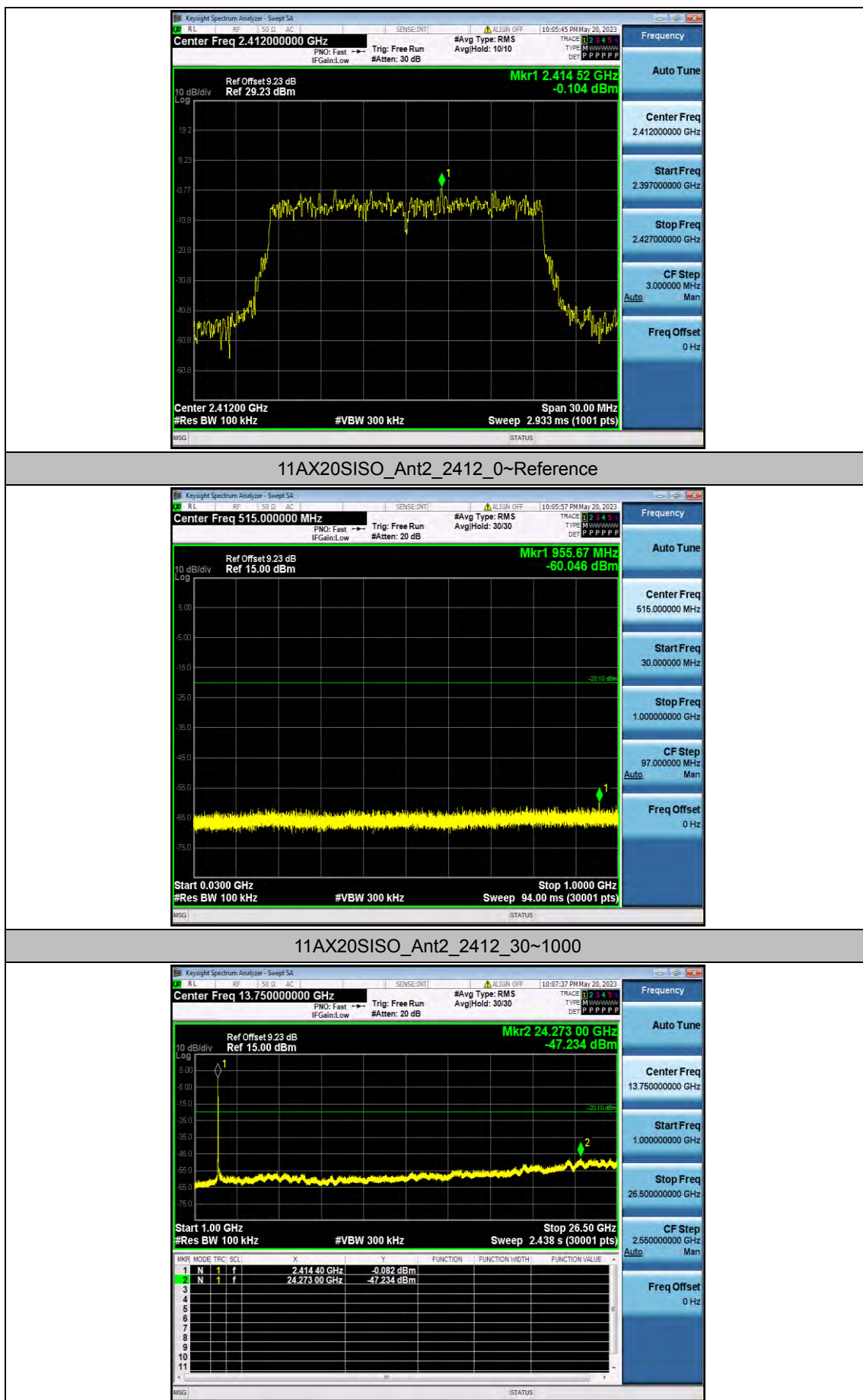
11N20SISO_Ant2_2462_0~Reference



11N20SISO_Ant2_2462_30~1000



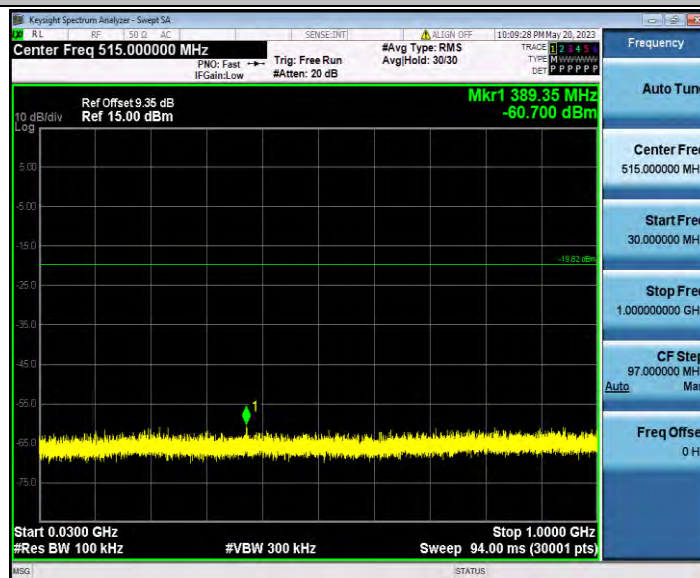
11N20SISO_Ant2_2462_1000~26500



11AX20SISO_Ant2_2412_1000~26500



11AX20SISO_Ant2_2437_0~Reference



11AX20SISO_Ant2_2437_30~1000

