

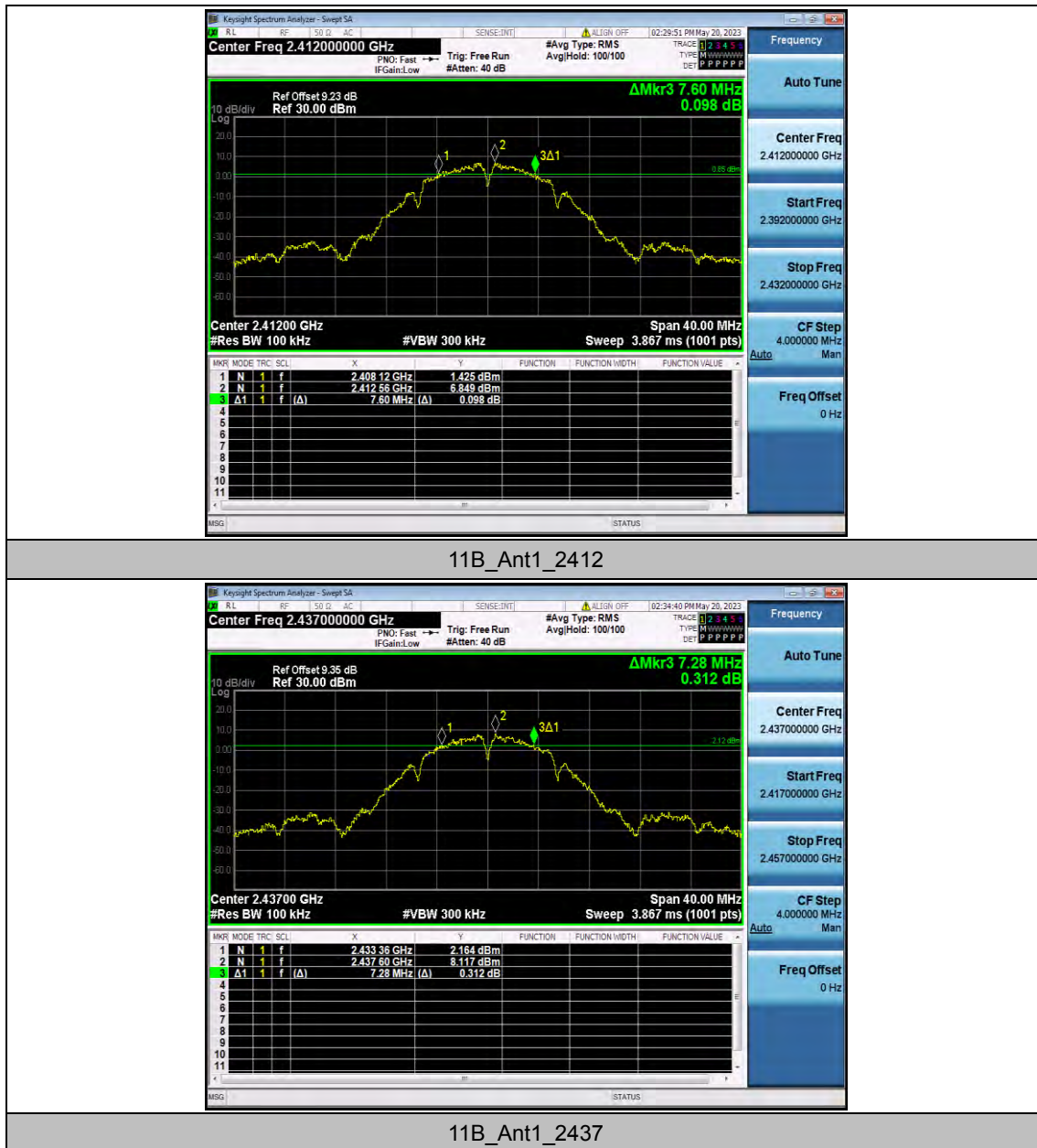
Case No. : <u>GTS20230315007-1-3</u>	
Ambient Condition: <u>23</u> °C, <u>50</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.5.20</u>	Test Engineer: <u>Jenny zeng</u>

Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.600	2408.120	2415.720	0.5	PASS
		2437	7.280	2433.360	2440.640	0.5	PASS
		2462	7.800	2458.000	2465.800	0.5	PASS
11G	Ant1	2412	16.440	2403.800	2420.240	0.5	PASS
		2437	16.360	2428.880	2445.240	0.5	PASS
		2462	16.400	2453.800	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.680	2403.160	2420.840	0.5	PASS
		2437	17.760	2428.120	2445.880	0.5	PASS
		2462	17.720	2453.160	2470.880	0.5	PASS
11AX20SISO	Ant1	2412	19.120	2402.440	2421.560	0.5	PASS
		2437	18.960	2427.560	2446.520	0.5	PASS
		2462	19.000	2452.560	2471.560	0.5	PASS

Test Graphs

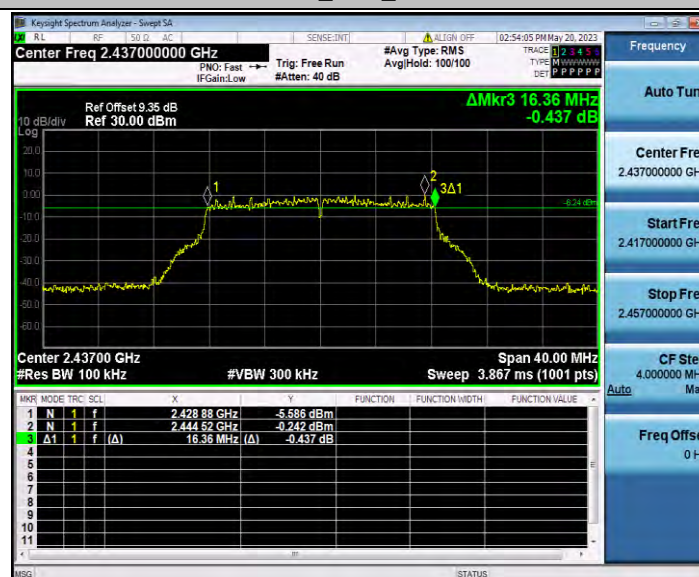




11B_Ant1_2462



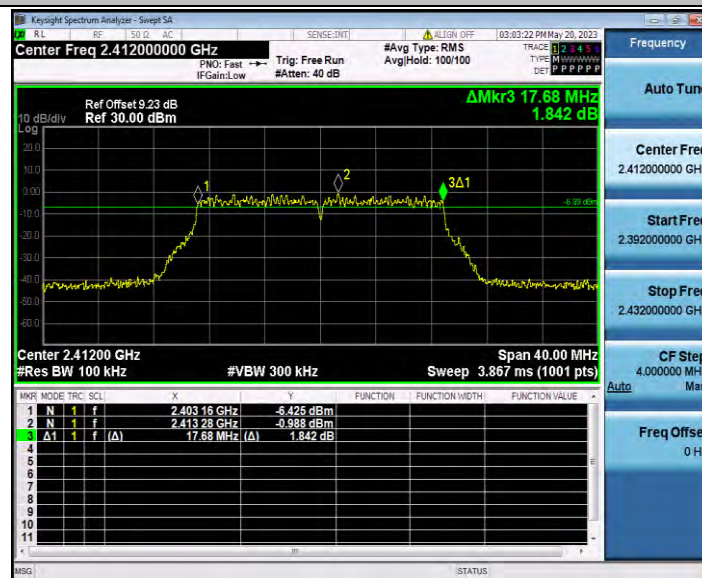
11G_Ant1_2412



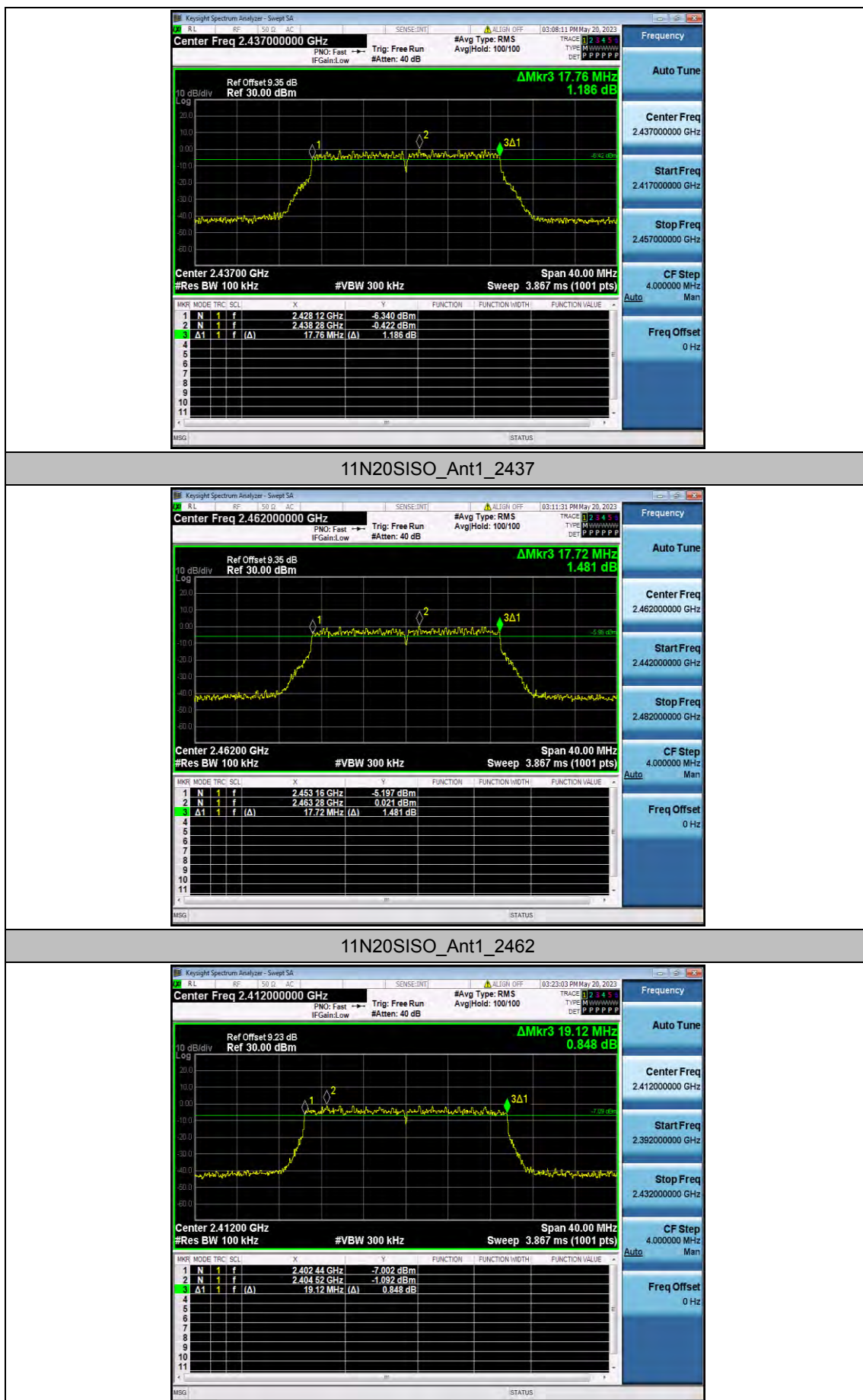
11G_Ant1_2437



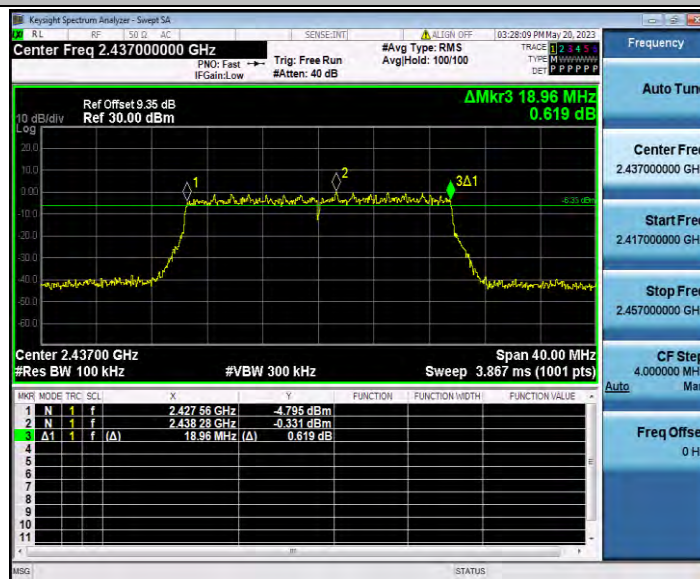
11G_Ant1_2462



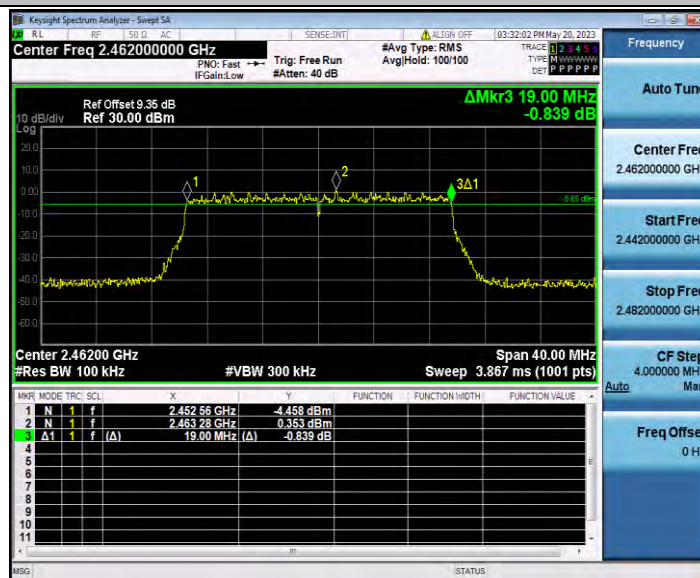
11N20SISO_Ant1_2412



11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462

Appendix C.2: Occupied Channel Bandwidth

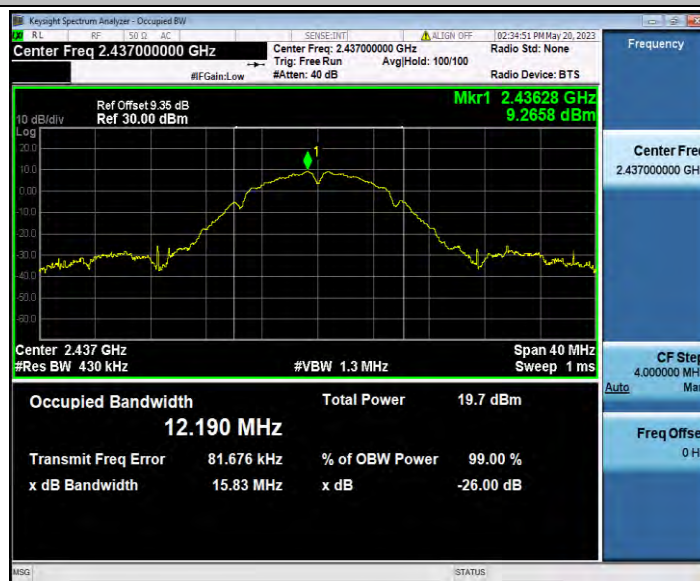
Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.259	2405.853	2418.112	---	---
		2437	12.190	2430.987	2443.177	---	---
		2462	12.151	2455.976	2468.127	---	---
11G	Ant1	2412	17.076	2403.462	2420.538	---	---
		2437	16.994	2428.562	2445.556	---	---
		2462	17.038	2453.542	2470.580	---	---
11N20SISO	Ant1	2412	18.111	2402.895	2421.006	---	---
		2437	18.129	2427.996	2446.125	---	---
		2462	18.095	2452.972	2471.067	---	---
11AX20SISO	Ant1	2412	19.171	2402.432	2421.603	---	---
		2437	19.117	2427.500	2446.617	---	---
		2462	19.119	2452.487	2471.606	---	---

Test Graphs



11B_Ant1_2412



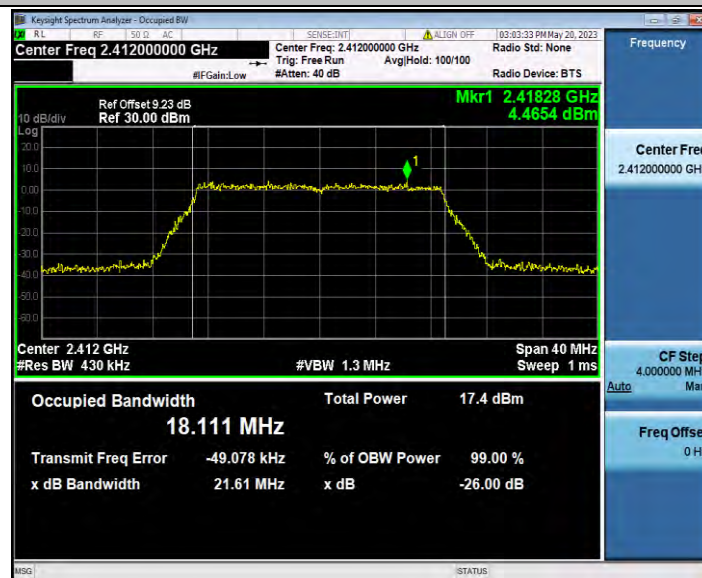
11B_Ant1_2437



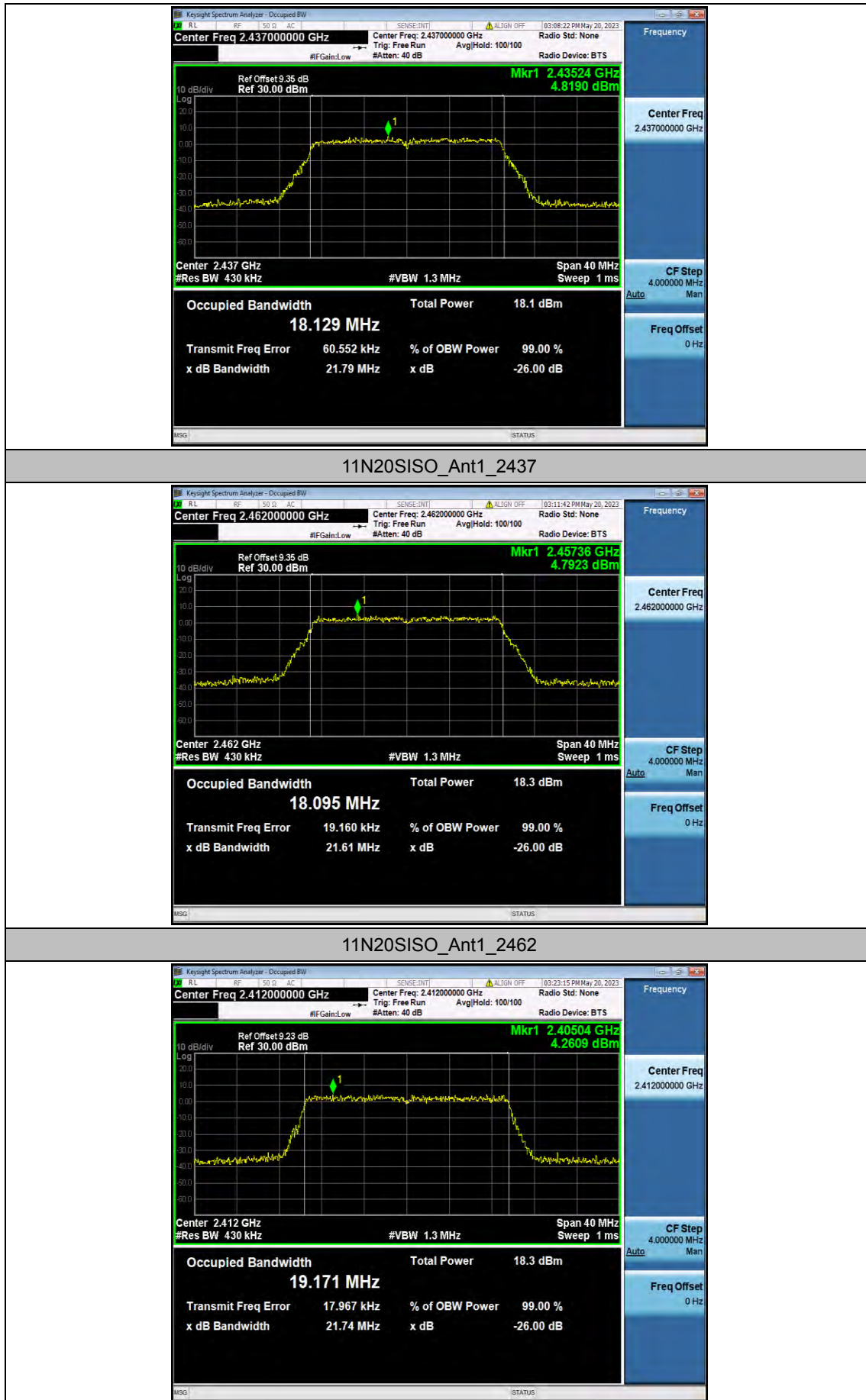
11G_Ant1_2437



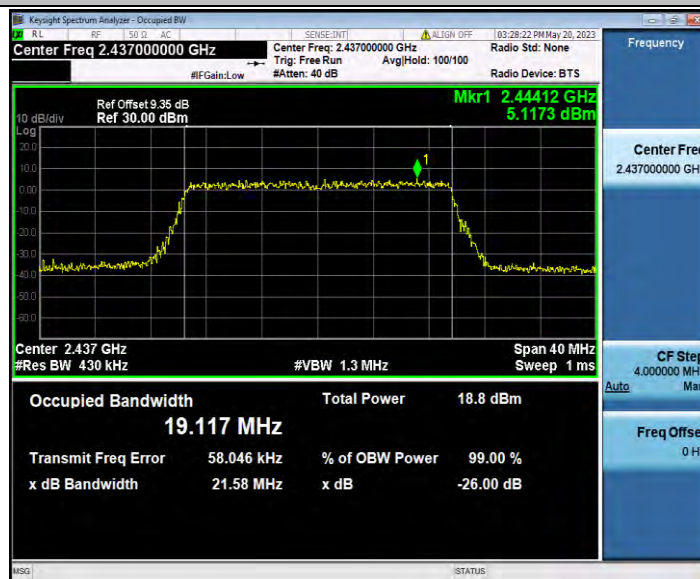
11G_Ant1_2462



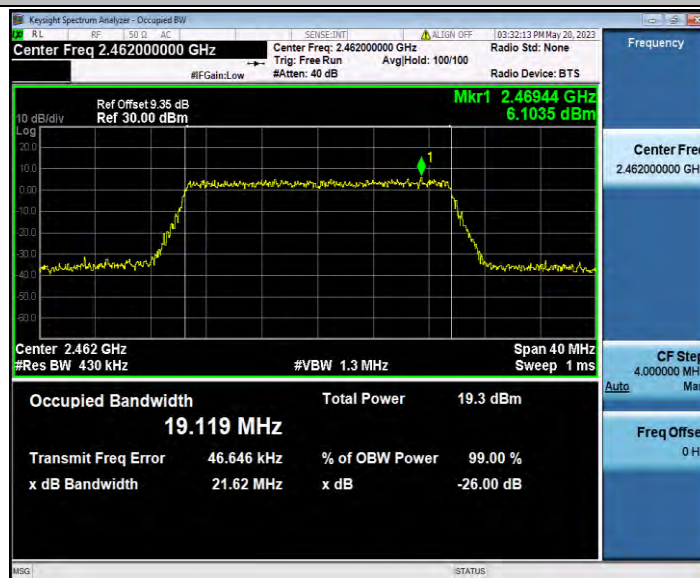
11N20SISO_Ant1_2412



11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462

Appendix C.3: Maximum conducted output power

Test Result Peak

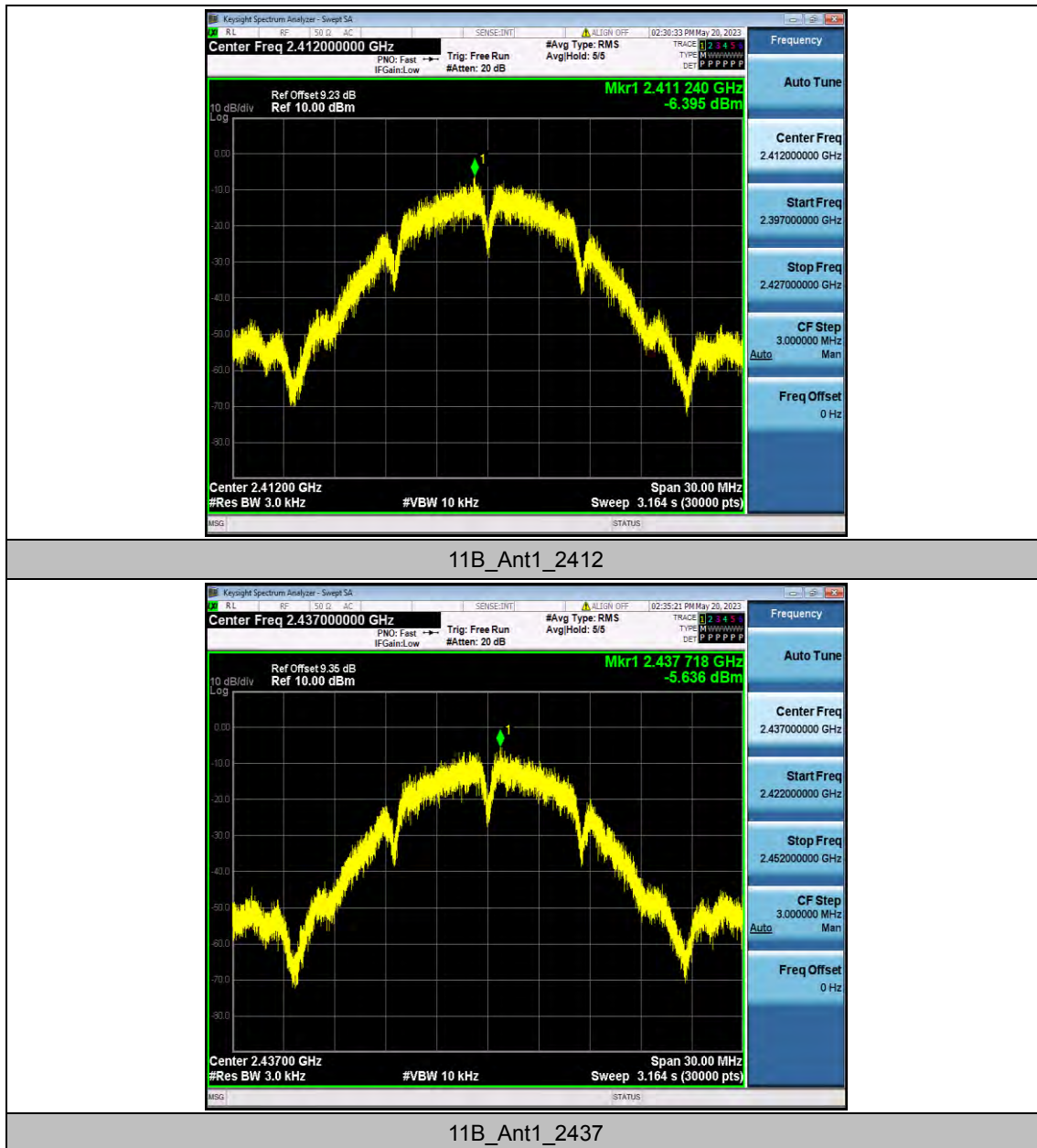
TestMode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	18.44	≤30.00	PASS
		2437	19.39	≤30.00	PASS
		2462	20.15	≤30.00	PASS
11G	Ant1	2412	18.10	≤30.00	PASS
		2437	18.78	≤30.00	PASS
		2462	19.39	≤30.00	PASS
11N20SISO	Ant1	2412	18.14	≤30.00	PASS
		2437	18.97	≤30.00	PASS
		2462	19.32	≤30.00	PASS
11AX20SISO	Ant1	2412	18.69	≤30.00	PASS
		2437	19.45	≤30.00	PASS
		2462	20.03	≤30.00	PASS

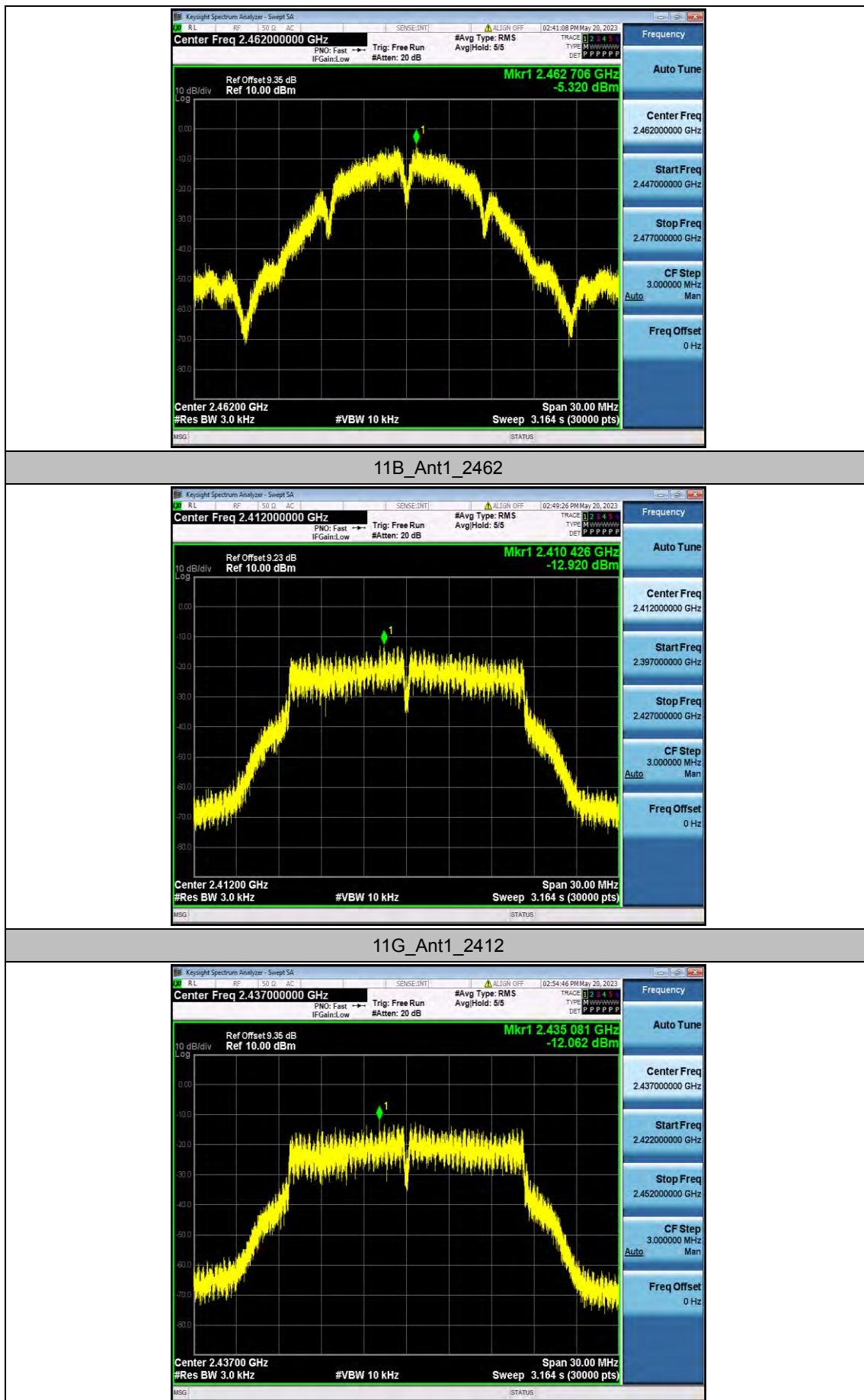
Appendix C.4: Maximum power spectral density

Test Result

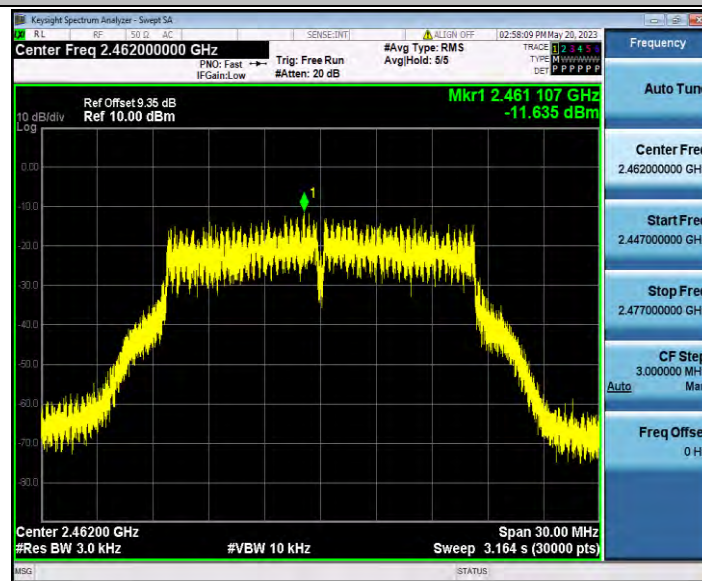
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.4	≤8.00	PASS
		2437	-5.64	≤8.00	PASS
		2462	-5.32	≤8.00	PASS
11G	Ant1	2412	-12.92	≤8.00	PASS
		2437	-12.06	≤8.00	PASS
		2462	-11.64	≤8.00	PASS
11N20SISO	Ant1	2412	-15.33	≤8.00	PASS
		2437	-14.3	≤8.00	PASS
		2462	-14.62	≤8.00	PASS
11AX20SISO	Ant1	2412	-16.59	≤8.00	PASS
		2437	-15.19	≤8.00	PASS
		2462	-14.75	≤8.00	PASS

Test Graphs

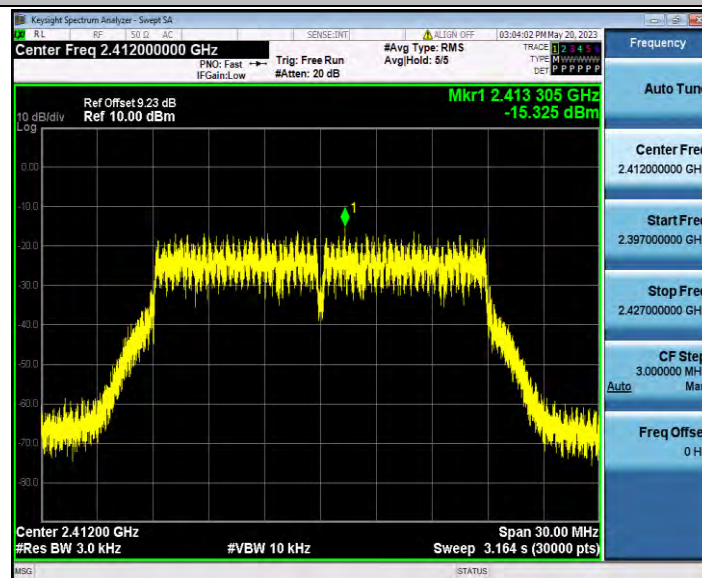




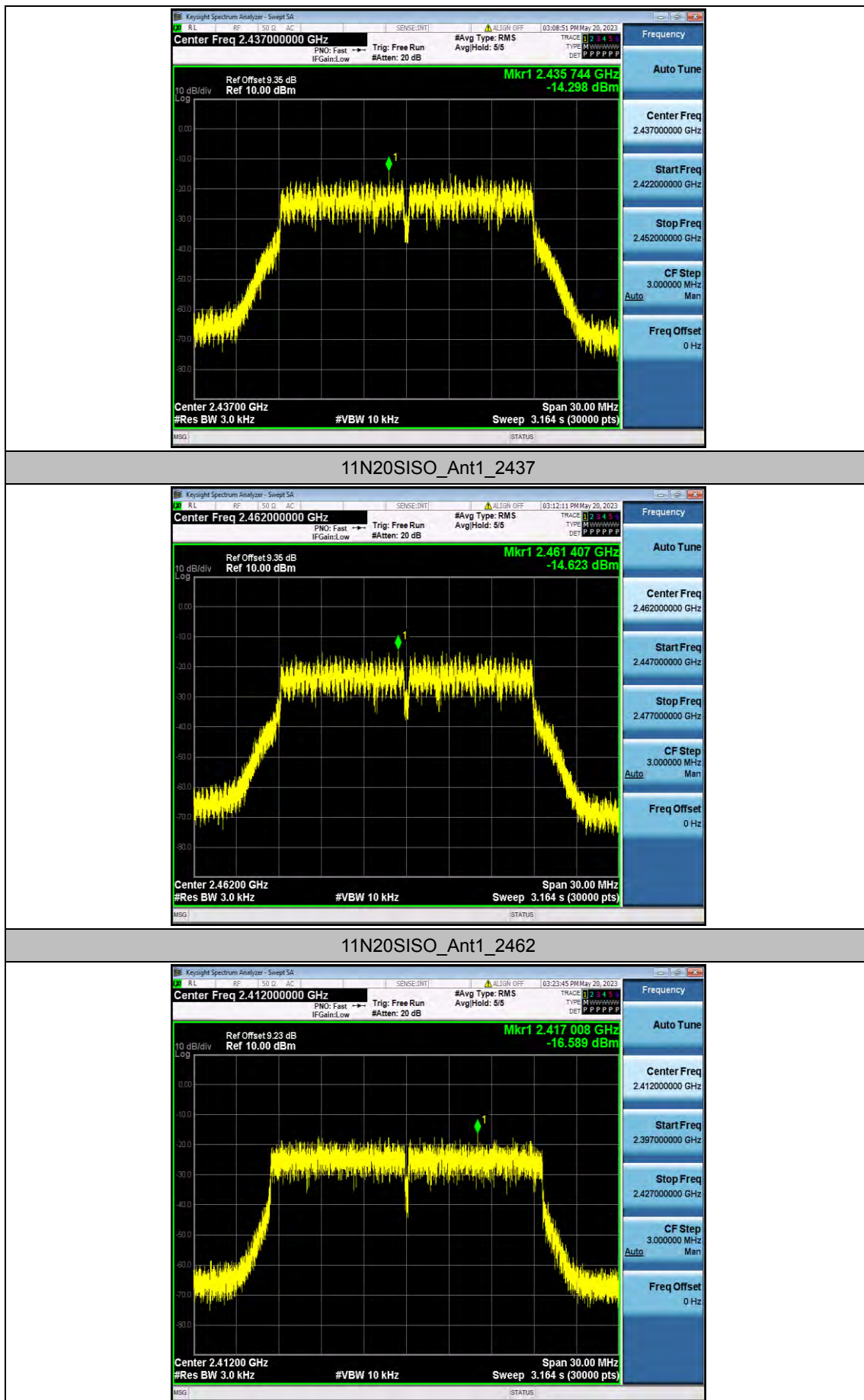
11G_Ant1_2437



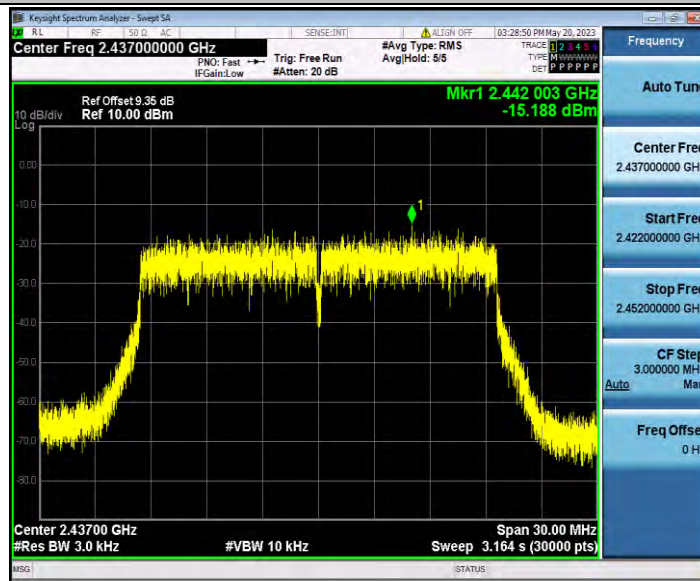
11G_Ant1_2462



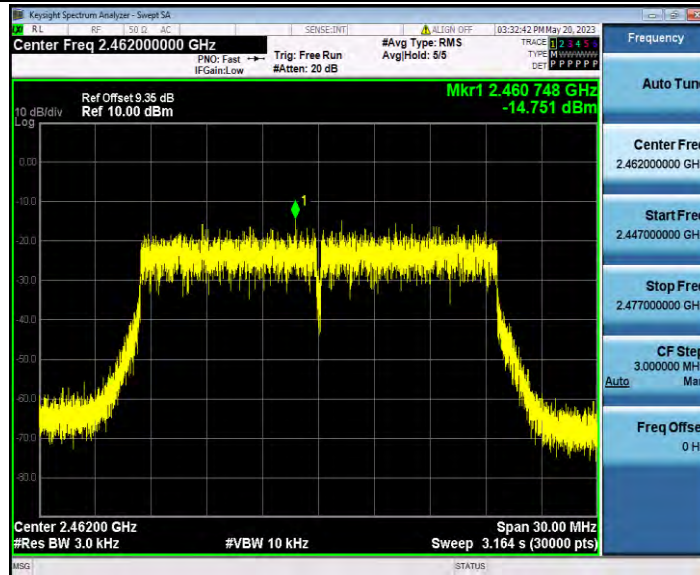
11N20SISO_Ant1_2412



11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



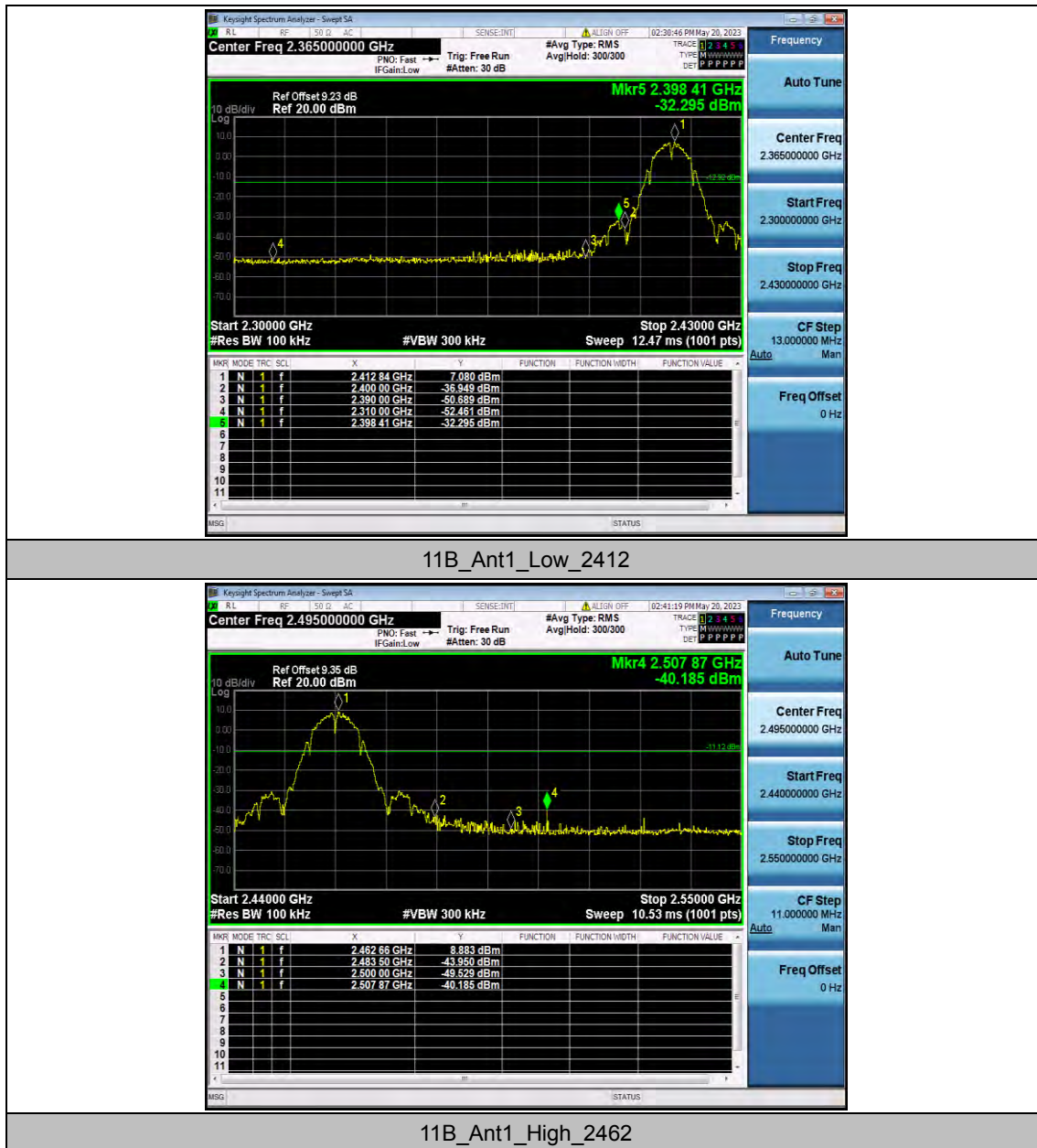
11AX20SISO_Ant1_2462

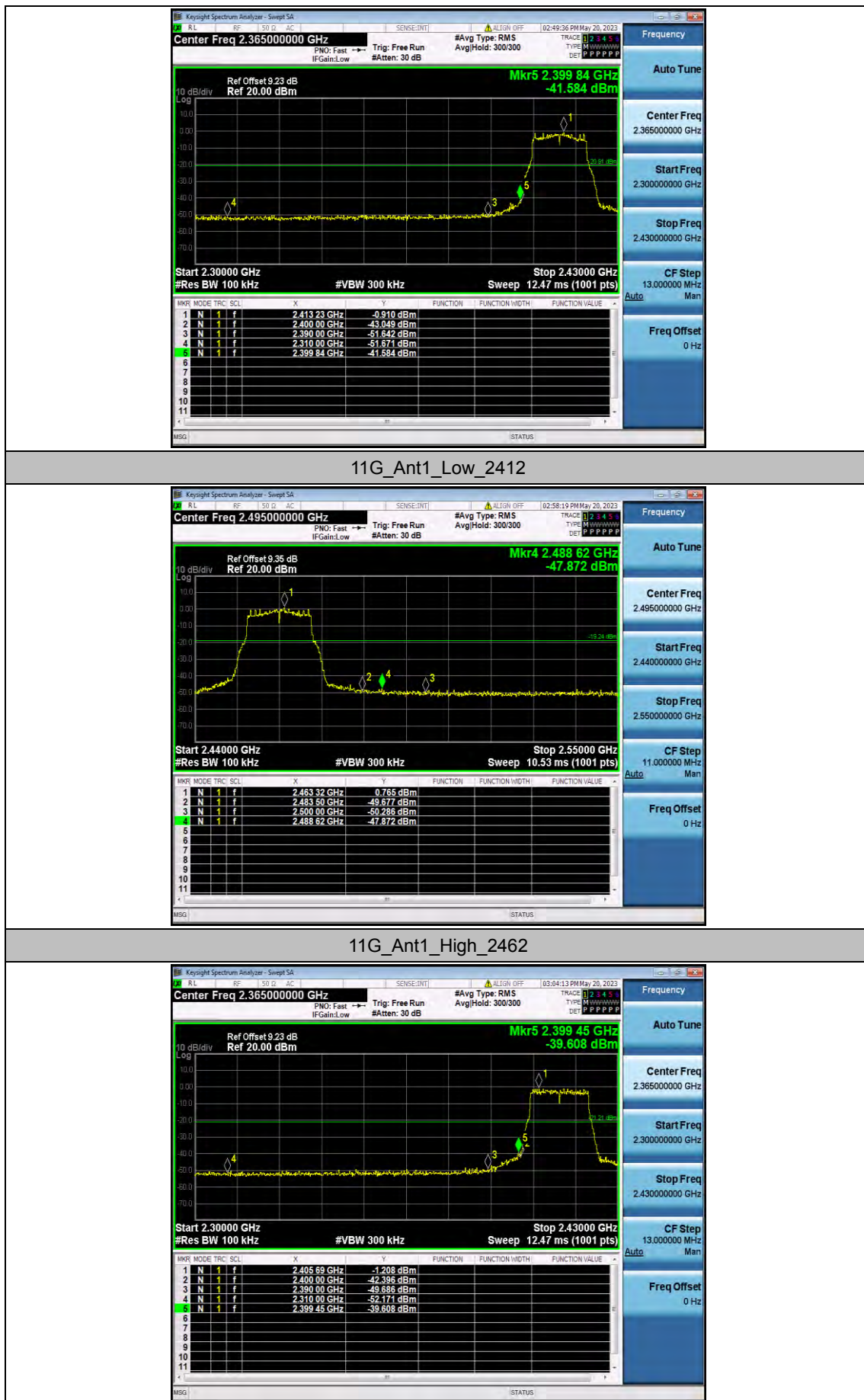
Appendix C.5: Band edge measurements

Test Result

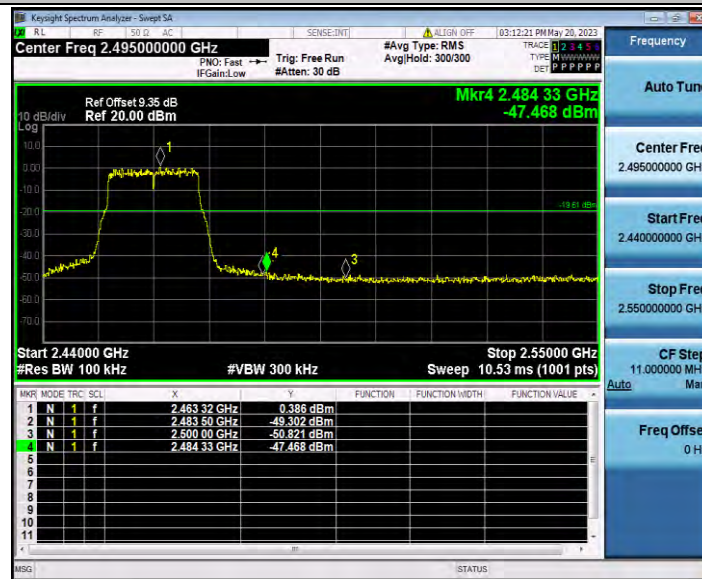
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.08	-32.3	≤ -12.92	PASS
		High	2462	8.88	-40.19	≤ -11.12	PASS
11G	Ant1	Low	2412	-0.91	-41.58	≤ -20.91	PASS
		High	2462	0.77	-47.87	≤ -19.24	PASS
11N20SISO	Ant1	Low	2412	-1.21	-39.61	≤ -21.21	PASS
		High	2462	0.39	-47.47	≤ -19.61	PASS
11AX20SISO	Ant1	Low	2412	-1.13	-39.81	≤ -21.13	PASS
		High	2462	0.34	-46.87	≤ -19.66	PASS

Test Graphs

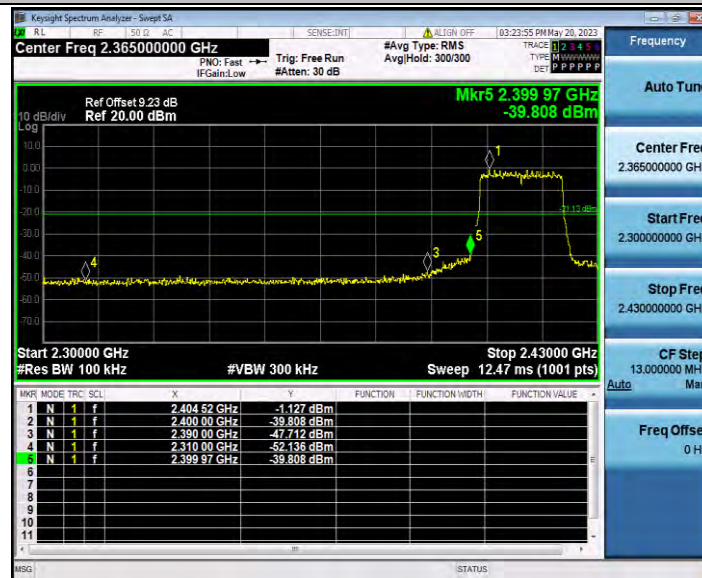




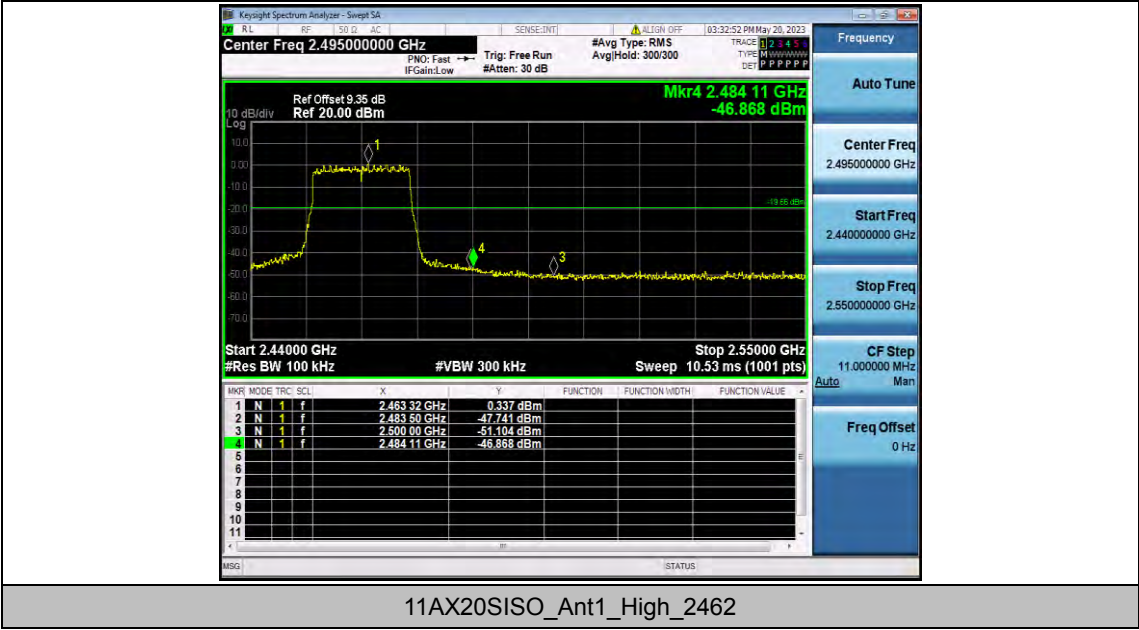
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11AX20SISO_Ant1_Low_2412



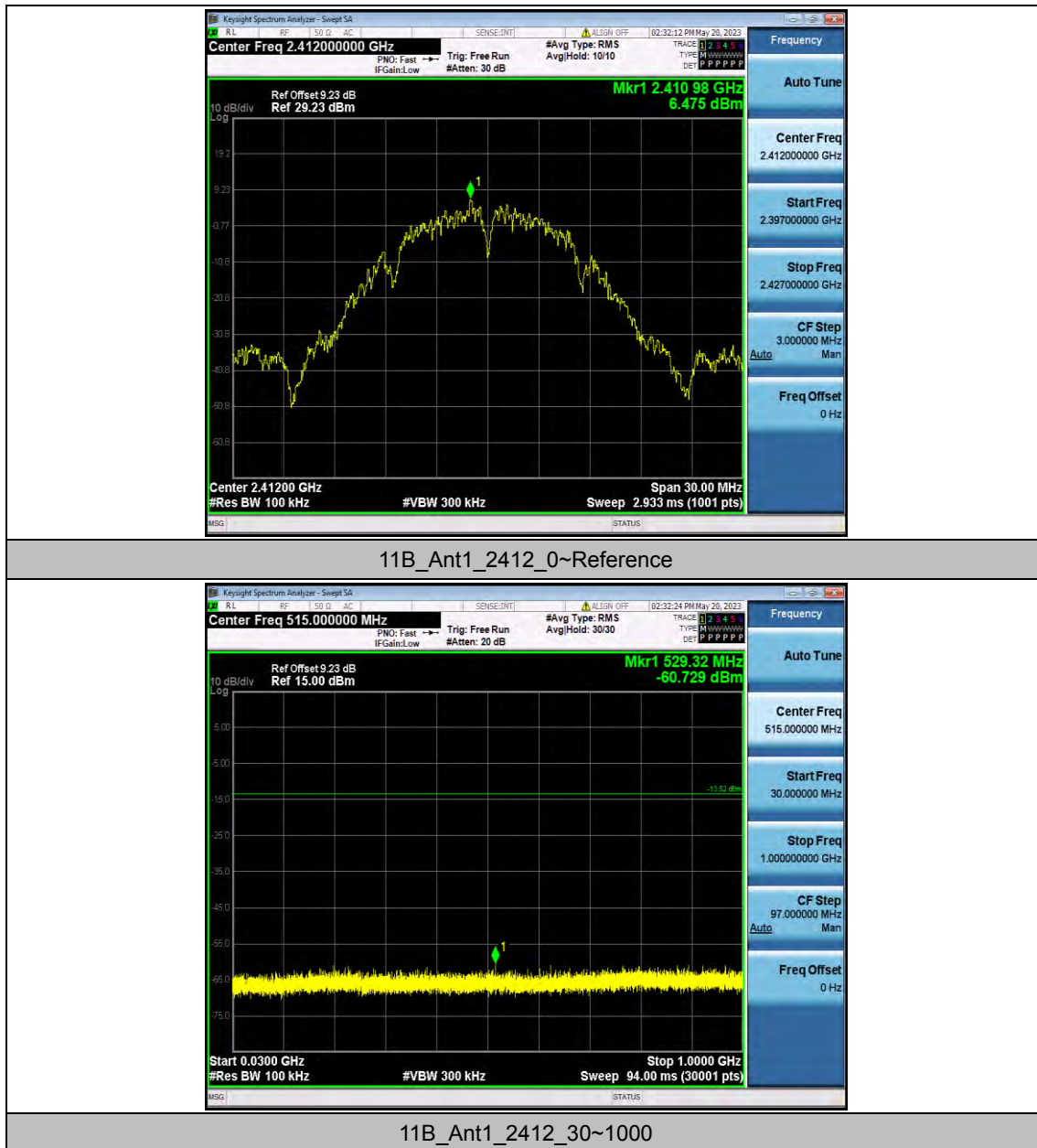
11AX20SISO_Ant1_High_2462

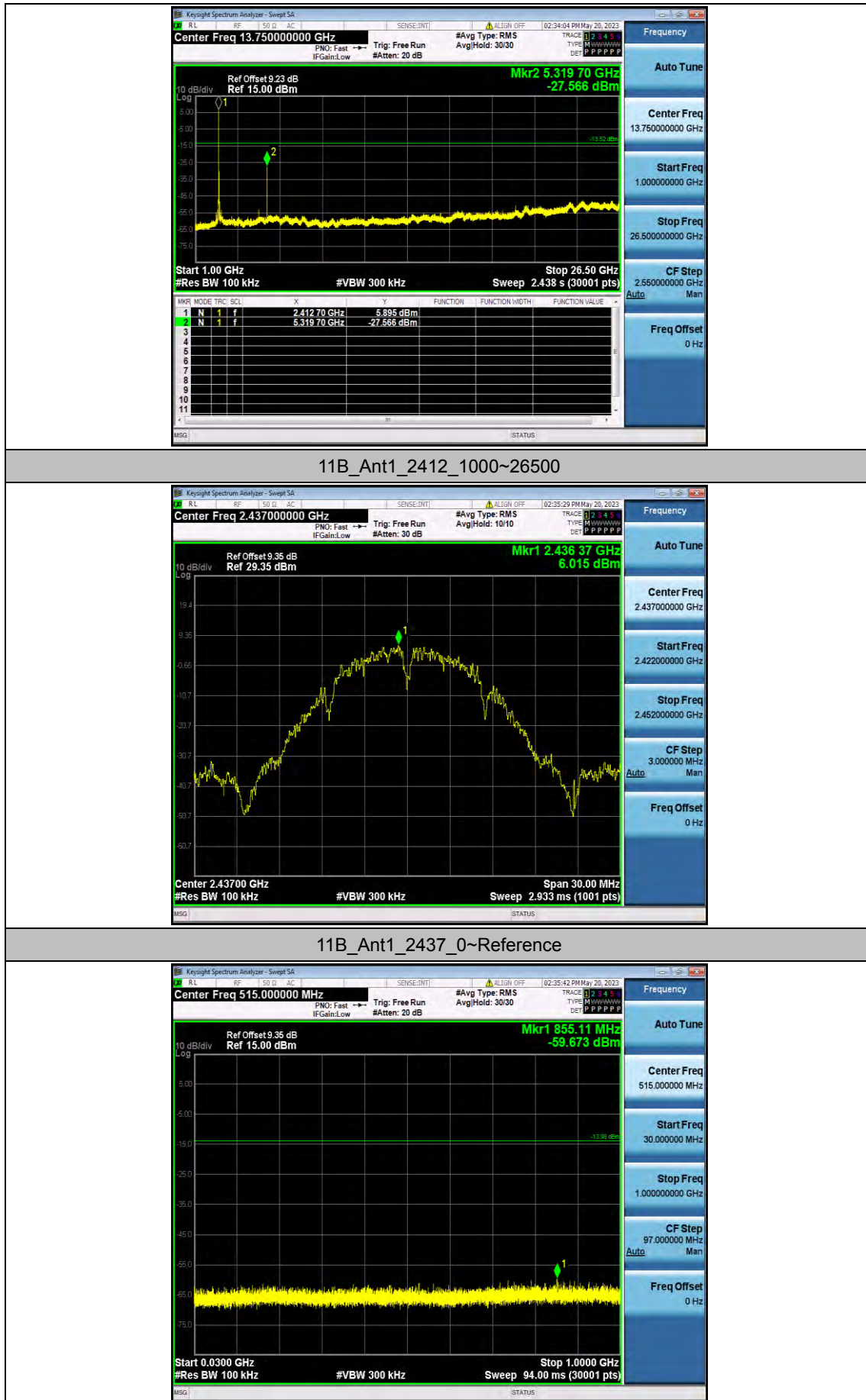
Appendix C.6: Conducted Spurious Emission

Test Result

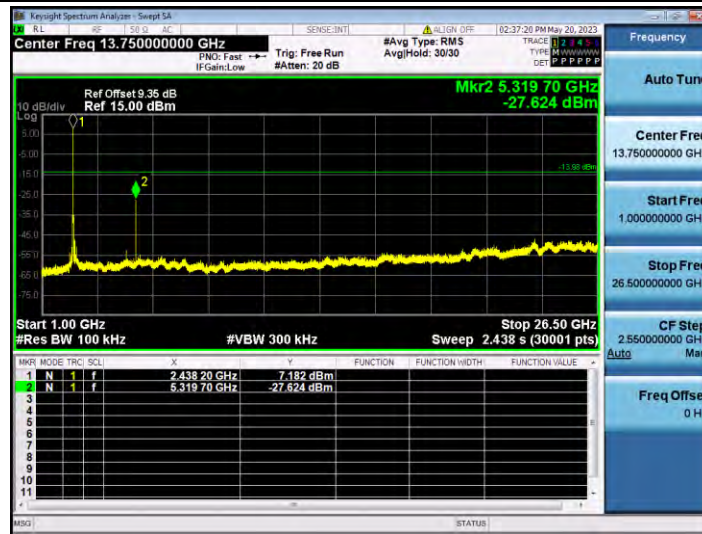
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	6.48	6.48	---	PASS
			30~1000	6.48	-60.73	≤ -13.52	PASS
			1000~26500	6.48	-27.57	≤ -13.52	PASS
		2437	Reference	6.02	6.02	---	PASS
			30~1000	6.02	-59.67	≤ -13.98	PASS
			1000~26500	6.02	-27.62	≤ -13.98	PASS
		2462	Reference	7.66	7.66	---	PASS
			30~1000	7.66	-60.35	≤ -12.34	PASS
			1000~26500	7.66	-47.12	≤ -12.34	PASS
11G	Ant1	2412	Reference	-2.73	-2.73	---	PASS
			30~1000	-2.73	-60.08	≤ -22.73	PASS
			1000~26500	-2.73	-46.86	≤ -22.73	PASS
		2437	Reference	-1.81	-1.81	---	PASS
			30~1000	-1.81	-60.52	≤ -21.81	PASS
			1000~26500	-1.81	-47.06	≤ -21.81	PASS
		2462	Reference	-0.59	-0.59	---	PASS
			30~1000	-0.59	-60.41	≤ -20.59	PASS
			1000~26500	-0.59	-46.74	≤ -20.59	PASS
11N20SISO	Ant1	2412	Reference	-1.41	-1.41	---	PASS
			30~1000	-1.41	-60.64	≤ -21.41	PASS
			1000~26500	-1.41	-47.24	≤ -21.41	PASS
		2437	Reference	-0.68	-0.68	---	PASS
			30~1000	-0.68	-60.32	≤ -20.68	PASS
			1000~26500	-0.68	-47.03	≤ -20.68	PASS
		2462	Reference	0.02	0.02	---	PASS
			30~1000	0.02	-60.1	≤ -19.98	PASS
			1000~26500	0.02	-47.87	≤ -19.98	PASS
11AX20SISO	Ant1	2412	Reference	-1.29	-1.29	---	PASS
			30~1000	-1.29	-60.32	≤ -21.29	PASS
			1000~26500	-1.29	-46.19	≤ -21.29	PASS
		2437	Reference	-1.03	-1.03	---	PASS
			30~1000	-1.03	-60.02	≤ -21.03	PASS
			1000~26500	-1.03	-47.26	≤ -21.03	PASS
		2462	Reference	-0.24	-0.24	---	PASS
			30~1000	-0.24	-60.48	≤ -20.24	PASS
			1000~26500	-0.24	-46.96	≤ -20.24	PASS

Test Graphs





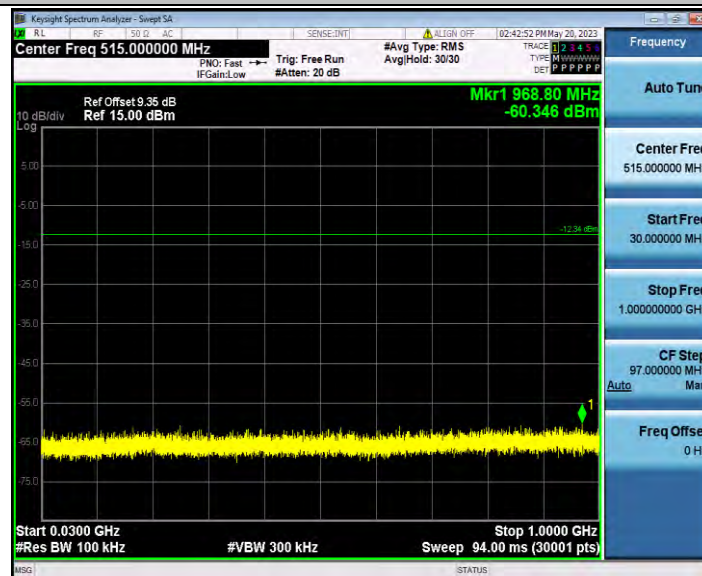
11B_Ant1_2437_30~1000

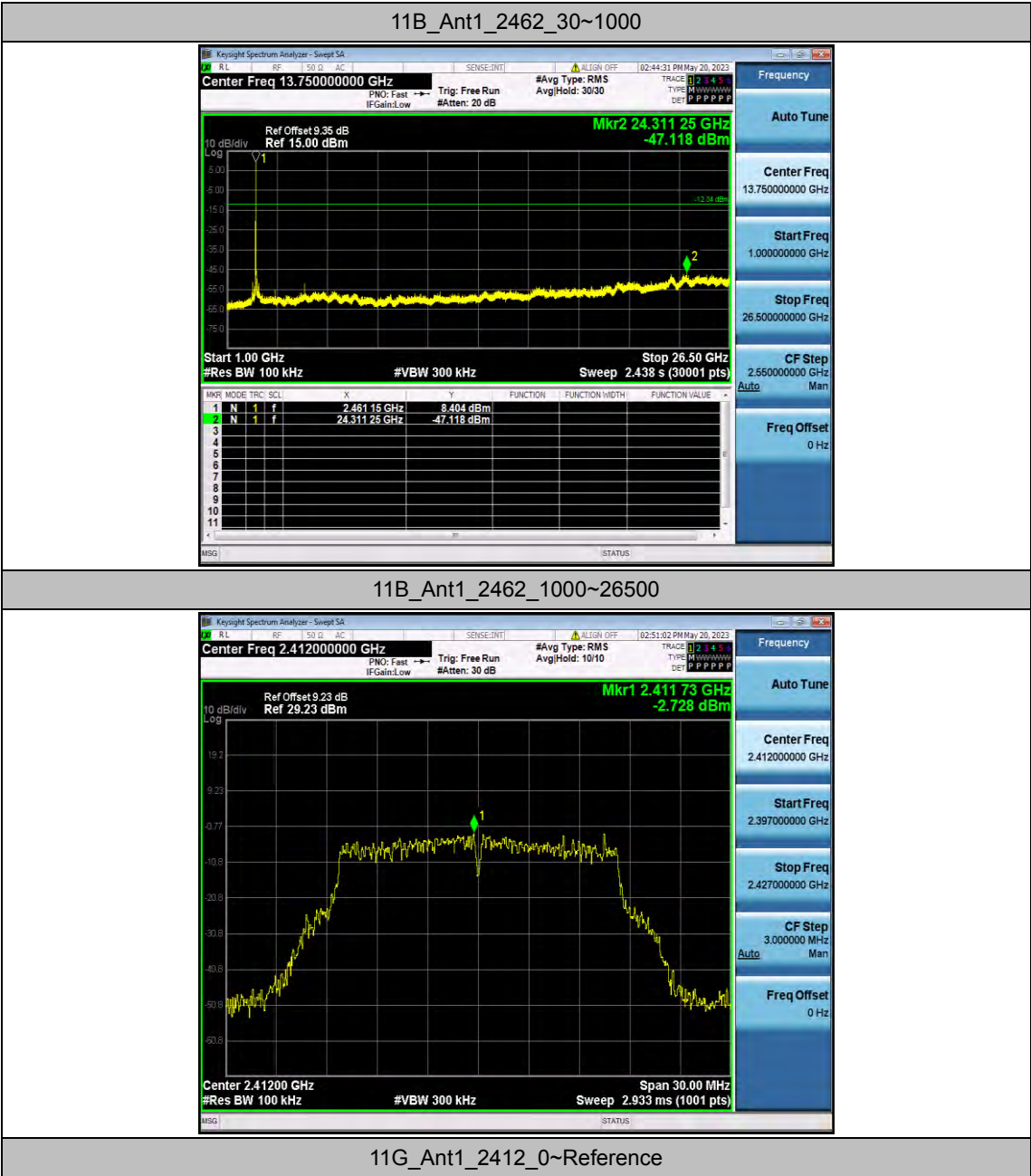


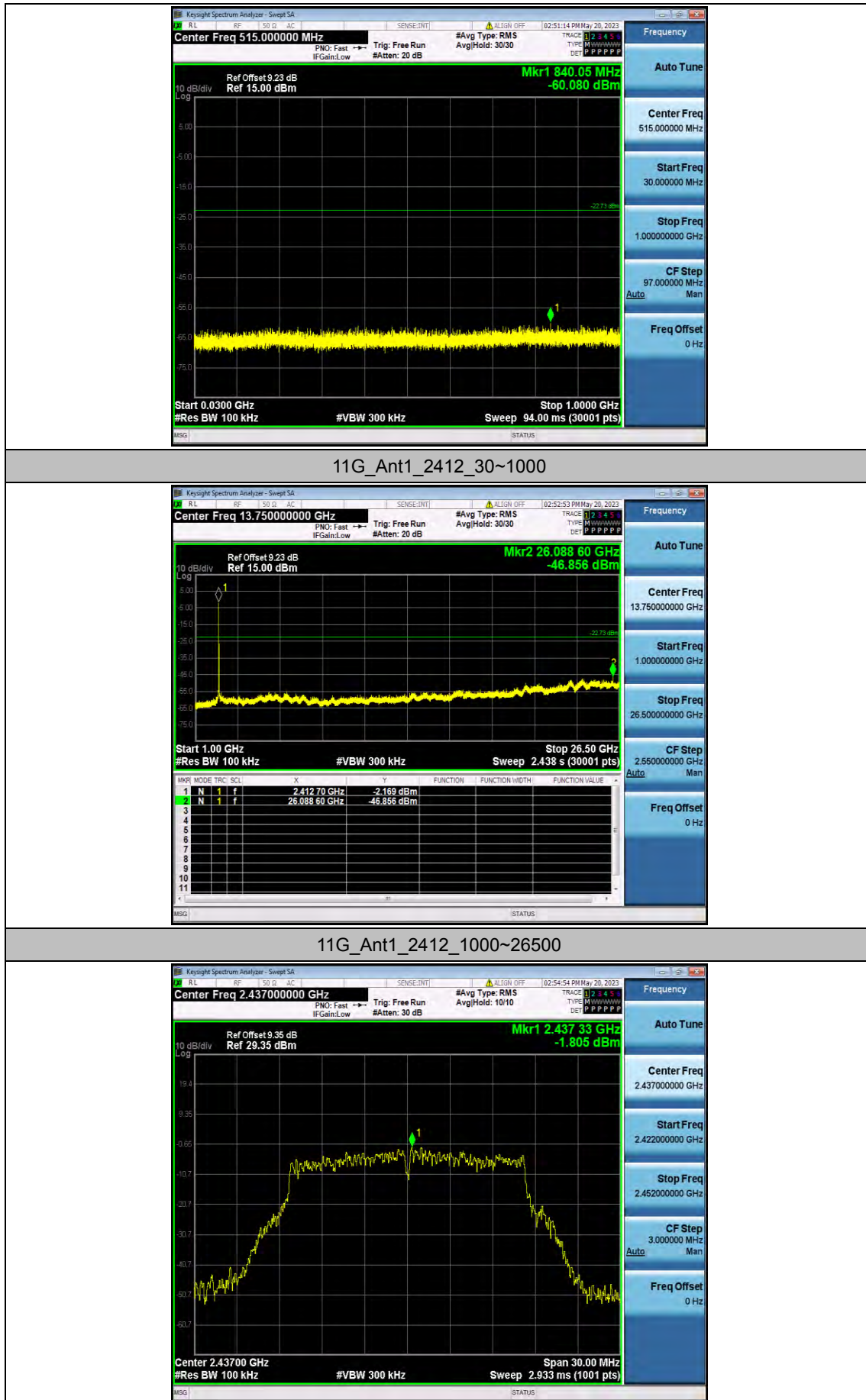
11B_Ant1_2437_1000~26500



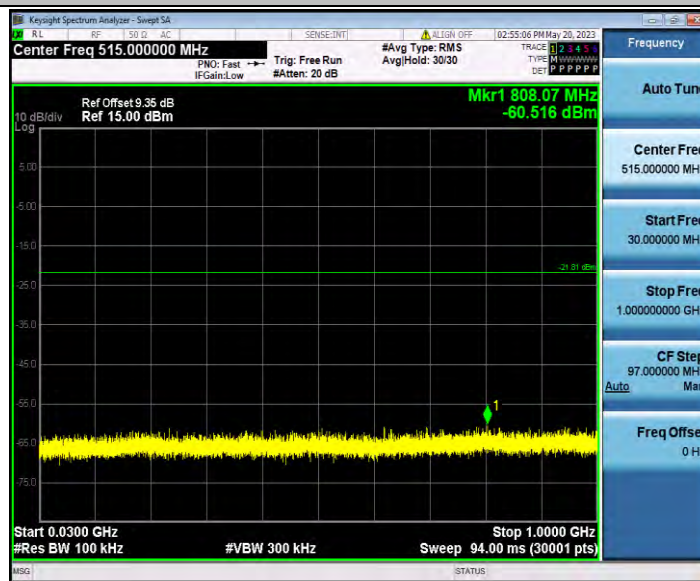
11B_Ant1_2462_0~Reference







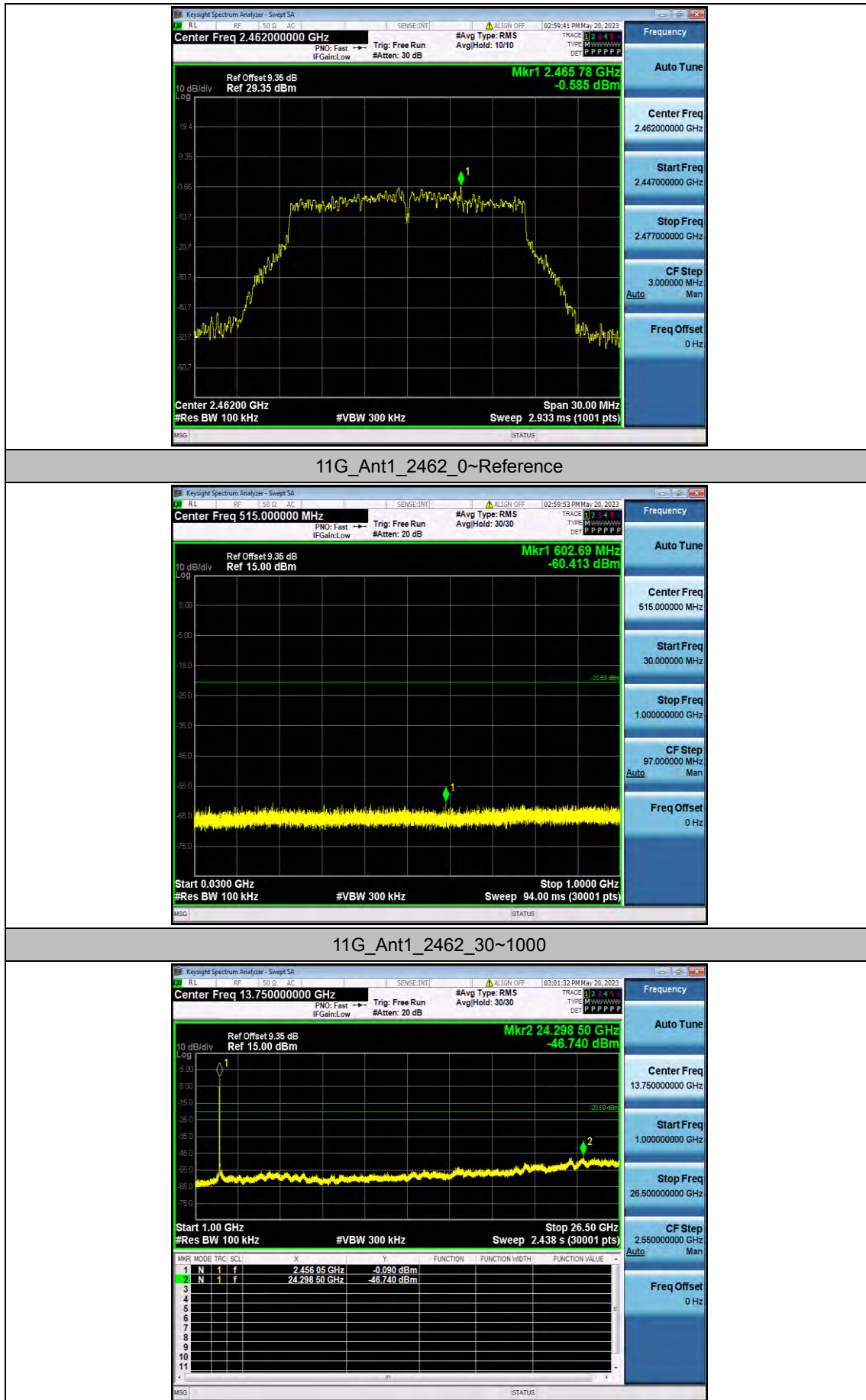
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



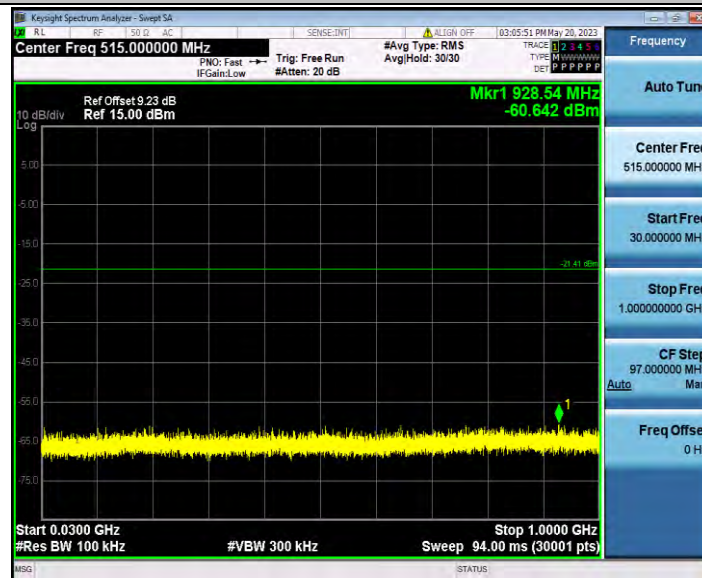
11G_Ant1_2437_1000~26500



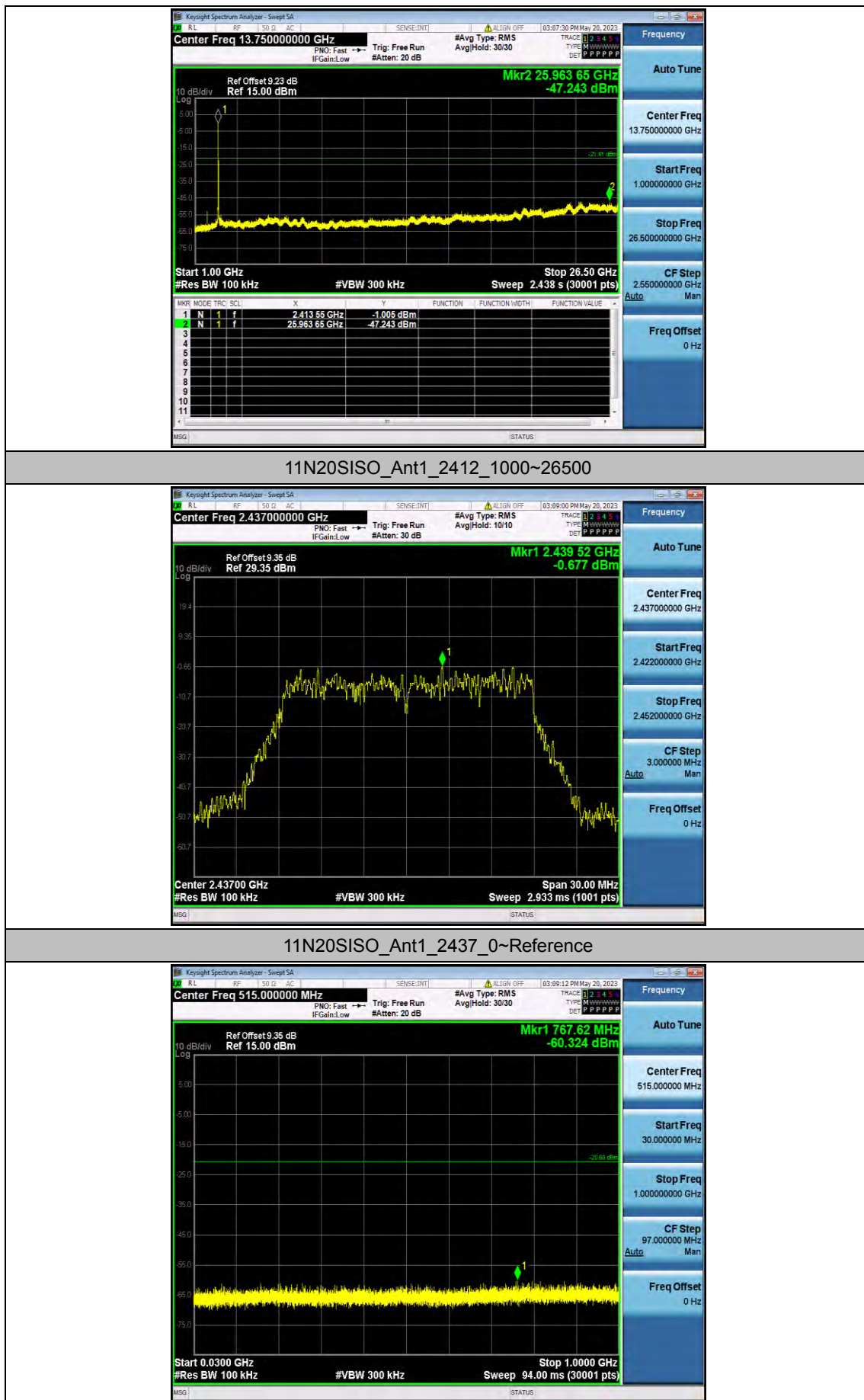
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



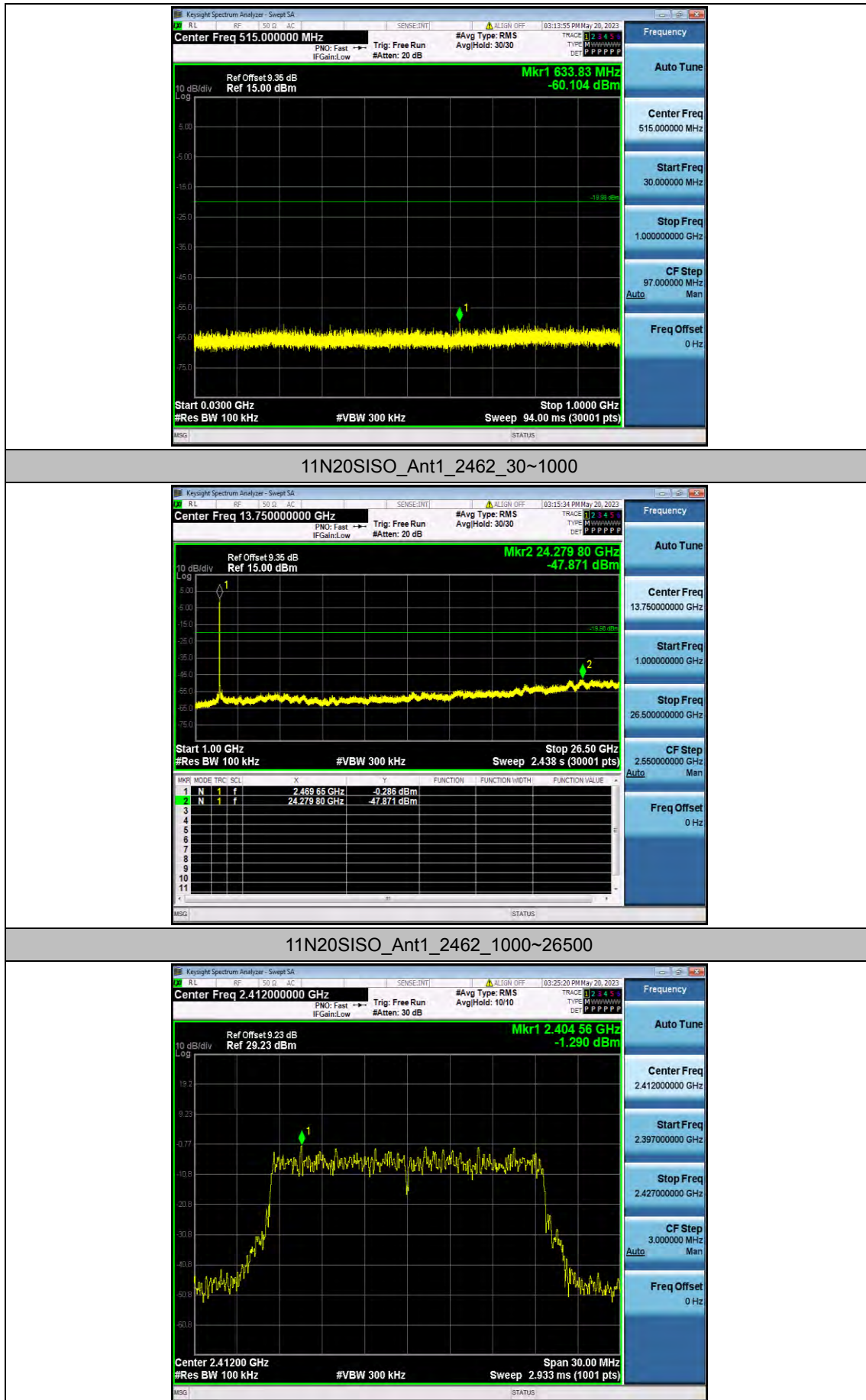
11N20SISO_Ant1_2437_30~1000



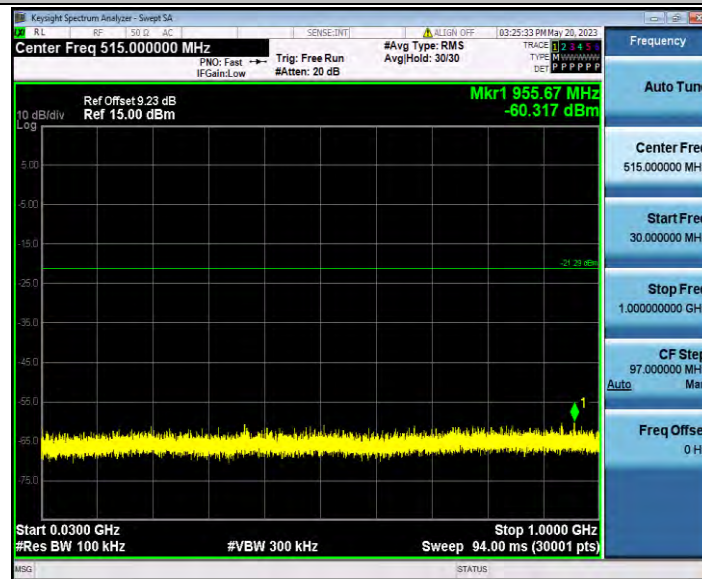
11N20SISO_Ant1_2437_1000~26500



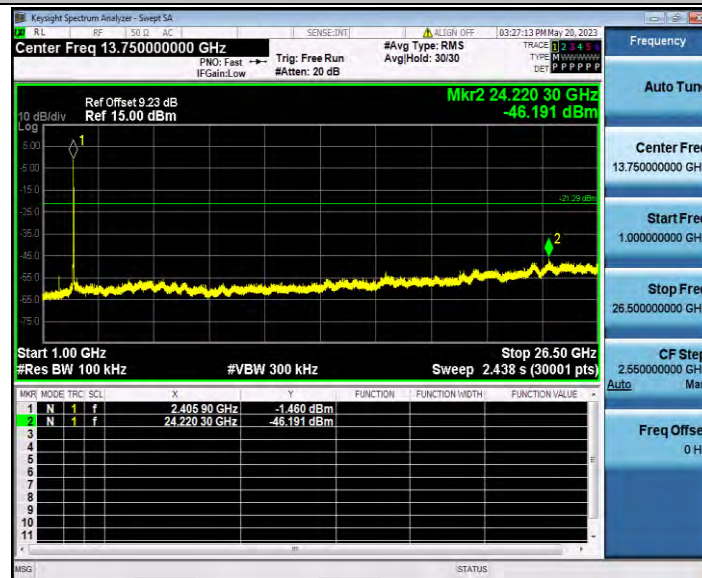
11N20SISO_Ant1_2462_0~Reference



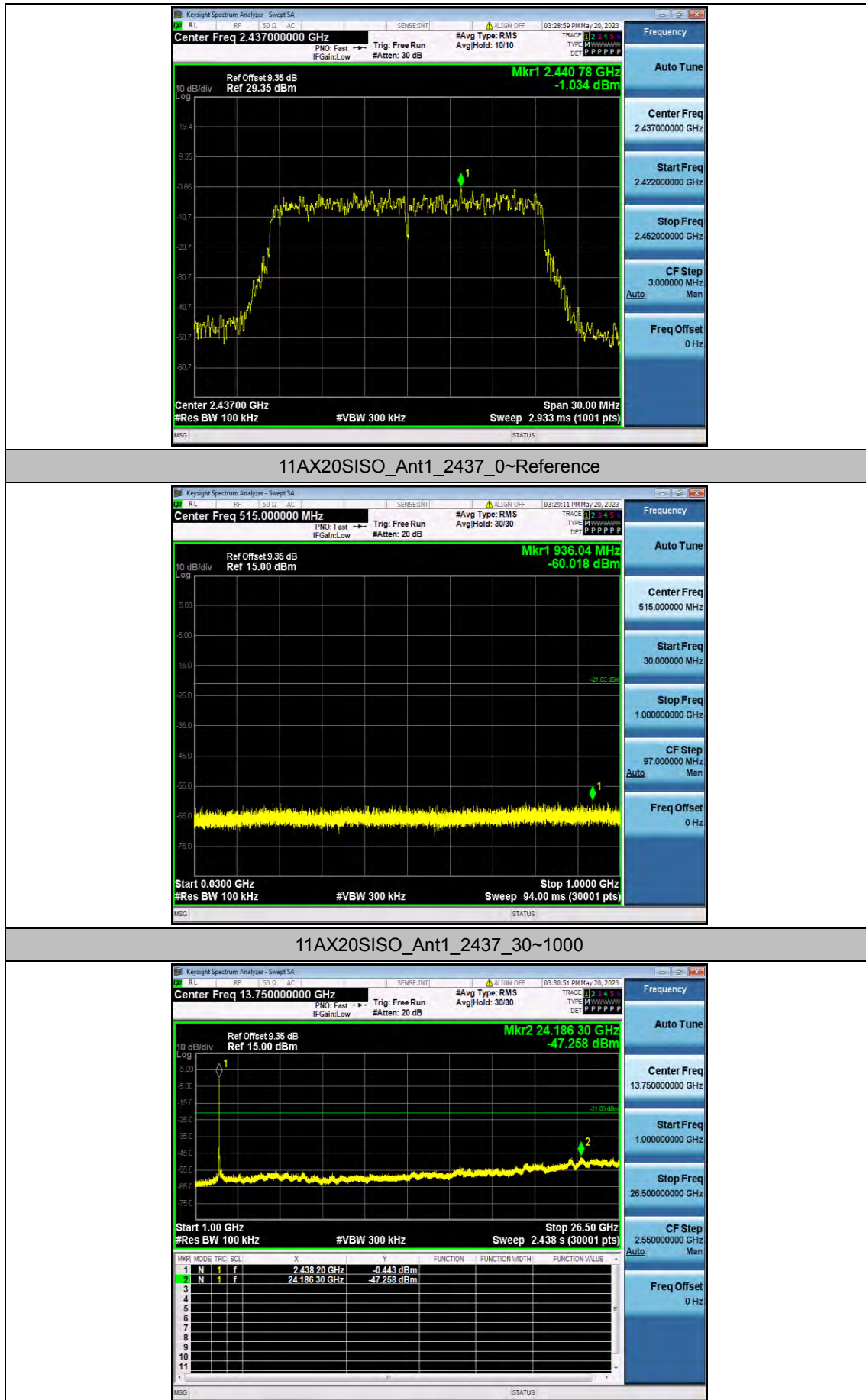
11AX20SISO_Ant1_2412_0~Reference



11AX20SISO_Ant1_2412_30~1000



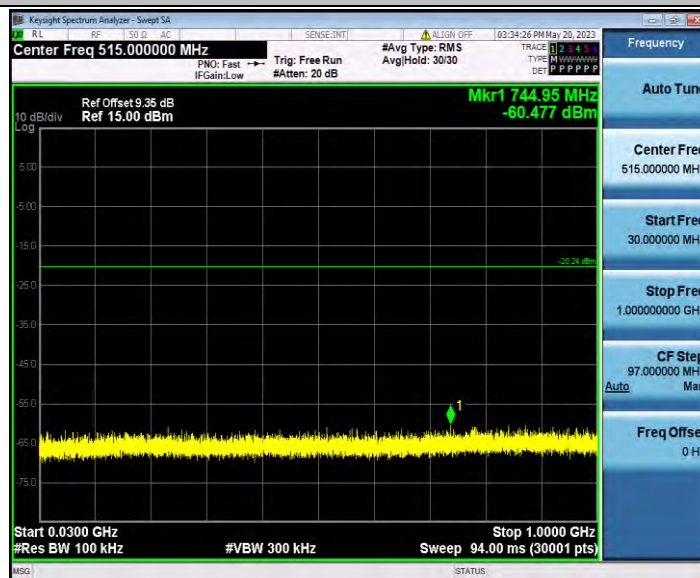
11AX20SISO_Ant1_2412_1000~26500



11AX20SISO_Ant1_2437_1000~26500



11AX20SISO_Ant1_2462_0~Reference



11AX20SISO_Ant1_2462_30~1000

