

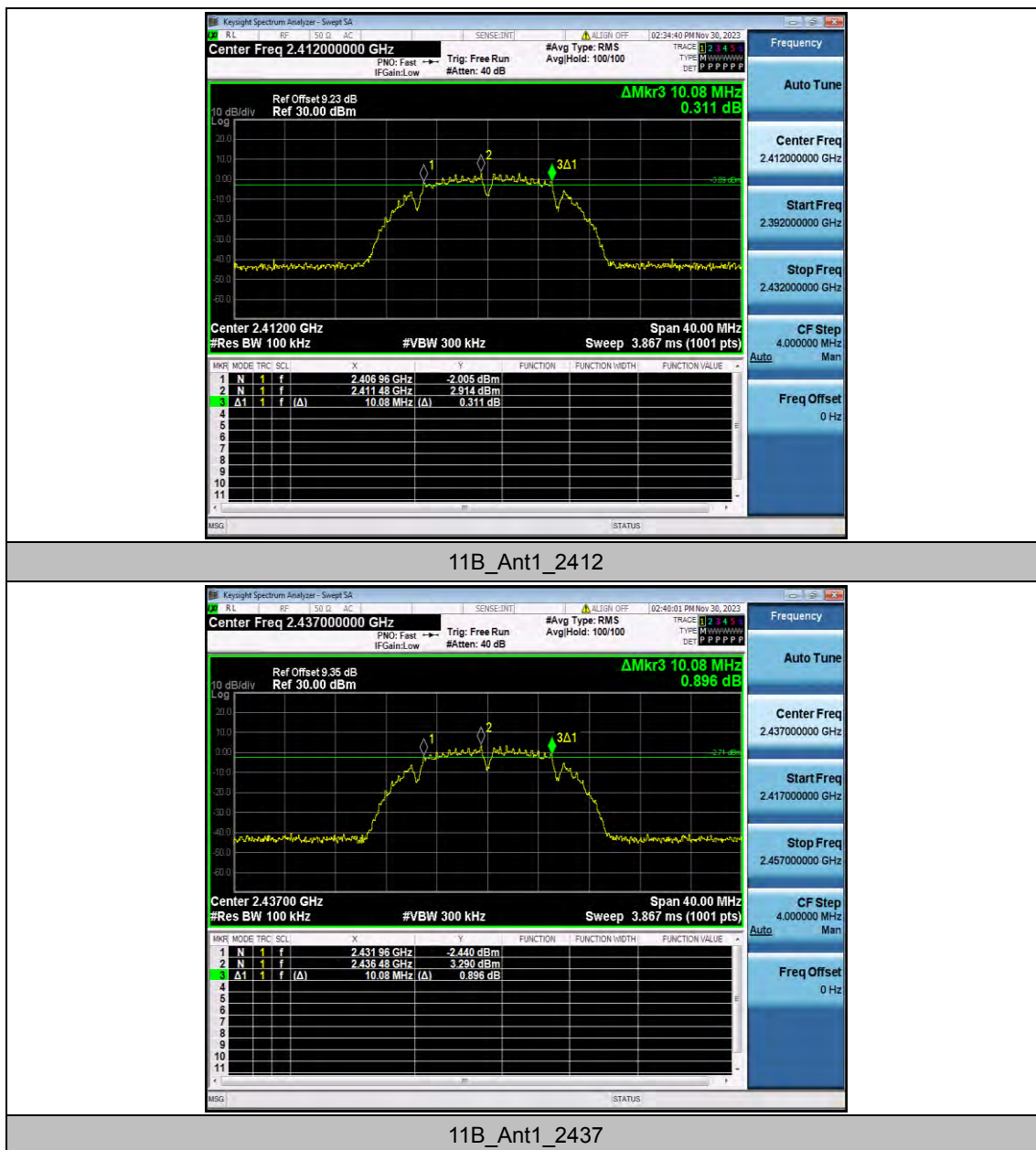
Case No. : <u>GTS20231017004-1-12</u>	
Ambient Condition: <u>24</u> °C, <u>48</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.11.27</u>	Test Engineer: <u>Evan ouyang</u>

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	10.080	2406.960	2417.040	0.5	PASS
		2437	10.080	2431.960	2442.040	0.5	PASS
		2462	10.120	2456.920	2467.040	0.5	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.520	2403.240	2420.760	0.5	PASS
		2437	17.280	2428.520	2445.800	0.5	PASS
		2462	17.560	2453.200	2470.760	0.5	PASS
11N40SISO	Ant1	2422	36.320	2403.840	2440.160	0.5	PASS
		2437	36.320	2418.840	2455.160	0.5	PASS
		2452	35.920	2434.240	2470.160	0.5	PASS

Test Graphs





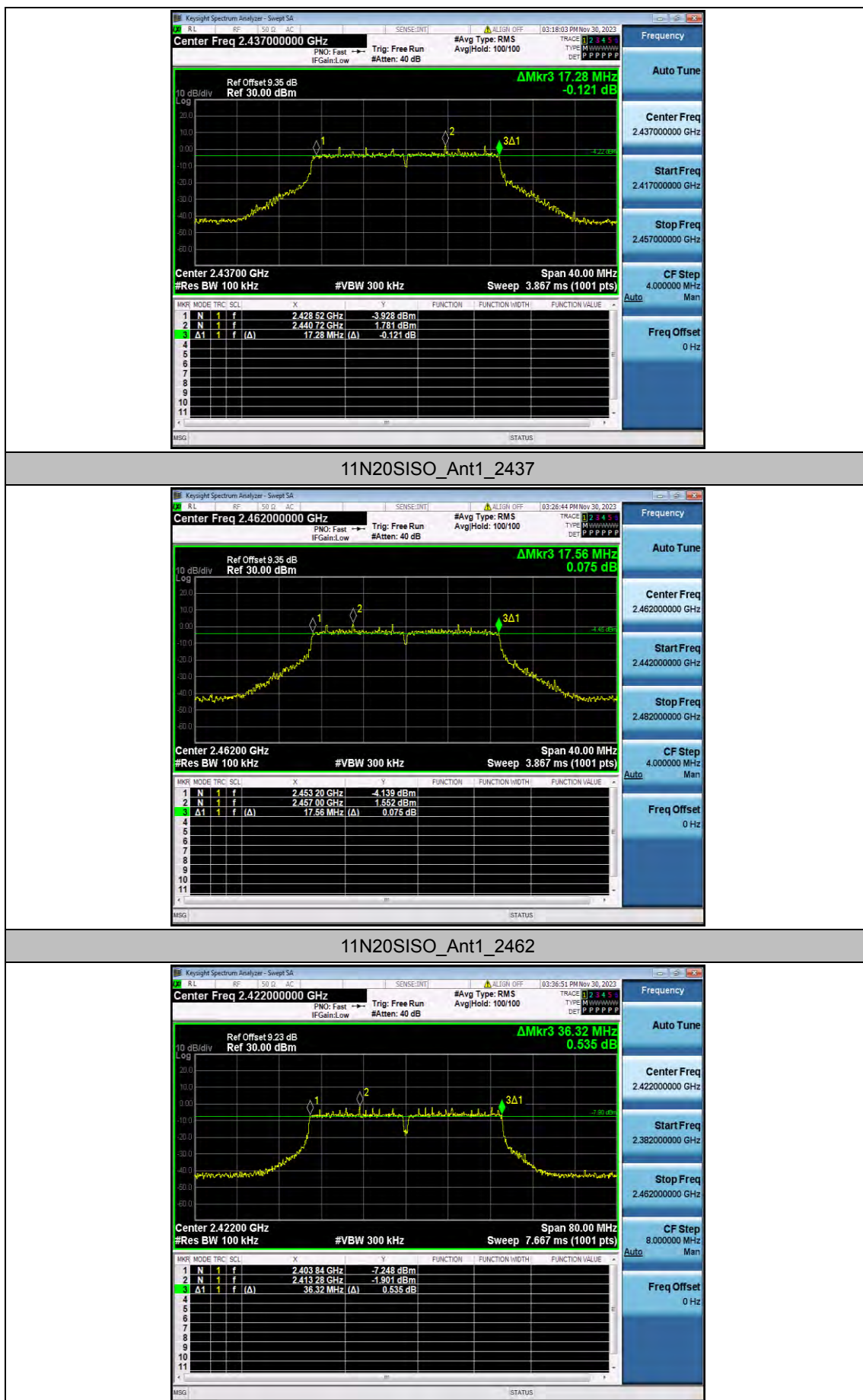
11G_Ant1_2437



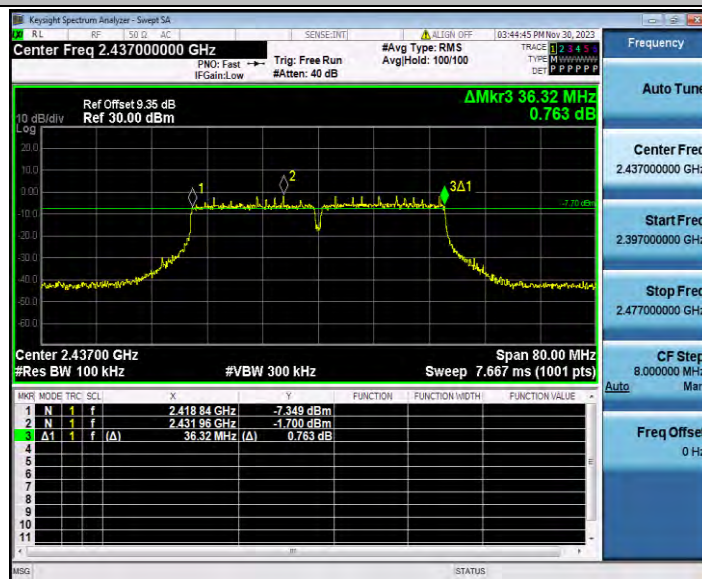
11G_Ant1_2462



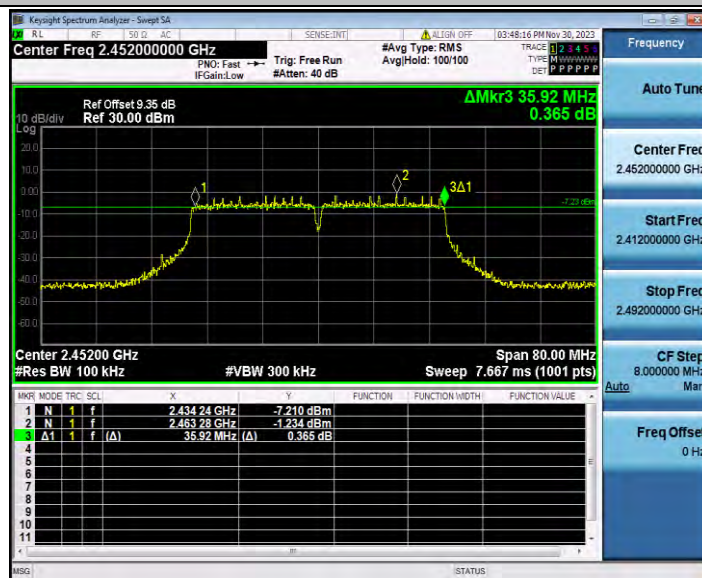
11N20SISO_Ant1_2412



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



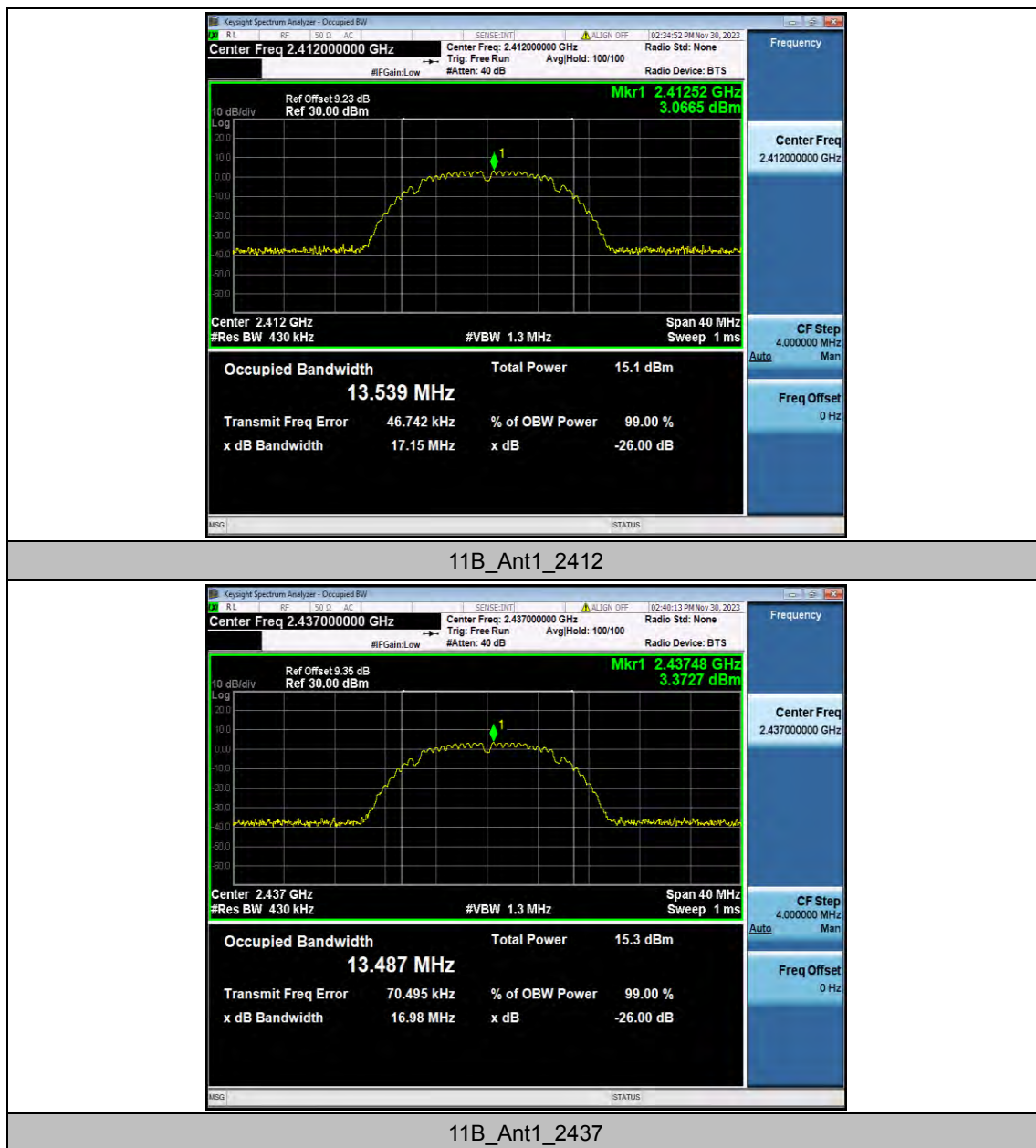
11N40SISO_Ant1_2452

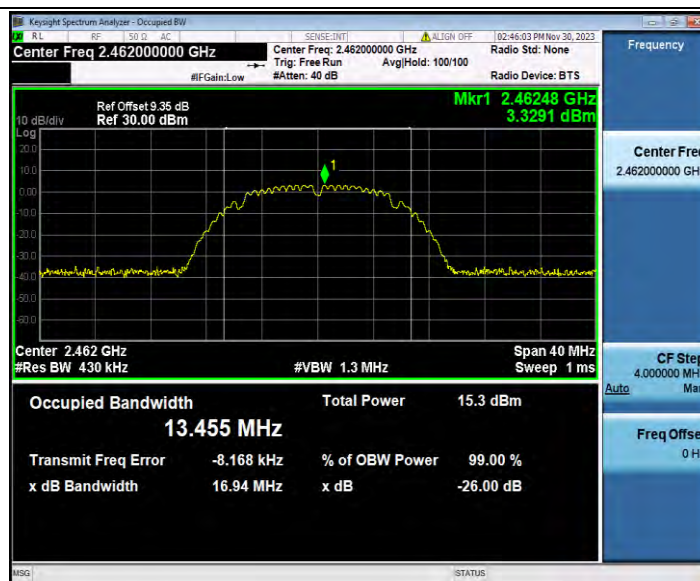
Appendix C.2: Occupied Channel Bandwidth

Test Result

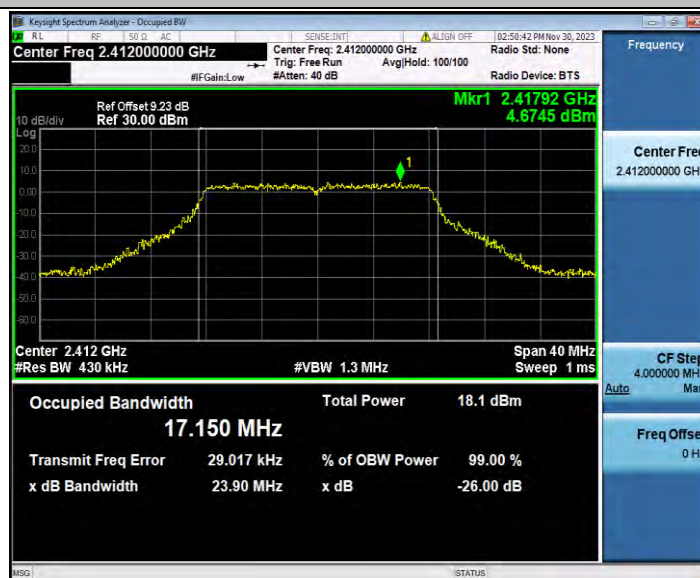
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.539	2405.277	2418.816	---	---
		2437	13.487	2430.327	2443.814	---	---
		2462	13.455	2455.264	2468.719	---	---
11G	Ant1	2412	17.150	2403.454	2420.604	---	---
		2437	17.181	2428.484	2445.665	---	---
		2462	17.110	2453.457	2470.567	---	---
11N20SISO	Ant1	2412	18.290	2402.900	2421.190	---	---
		2437	18.203	2427.958	2446.161	---	---
		2462	18.163	2452.884	2471.047	---	---
11N40SISO	Ant1	2422	36.675	2403.690	2440.365	---	---
		2437	36.583	2418.735	2455.318	---	---
		2452	36.474	2433.816	2470.290	---	---

Test Graphs





11B_Ant1_2462



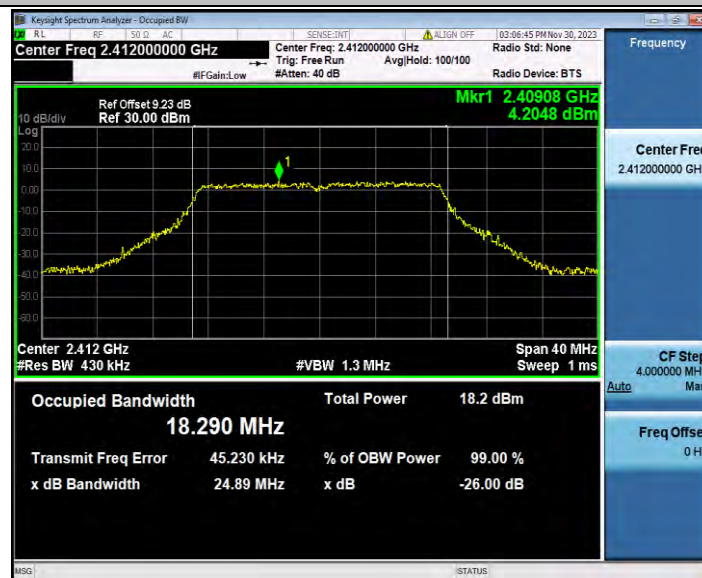
11G_Ant1_2412



11G_Ant1_2437



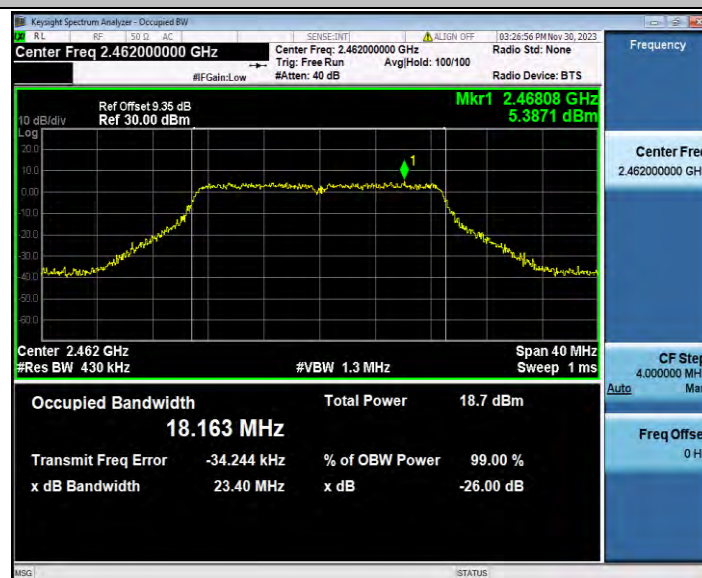
11G_Ant1_2462



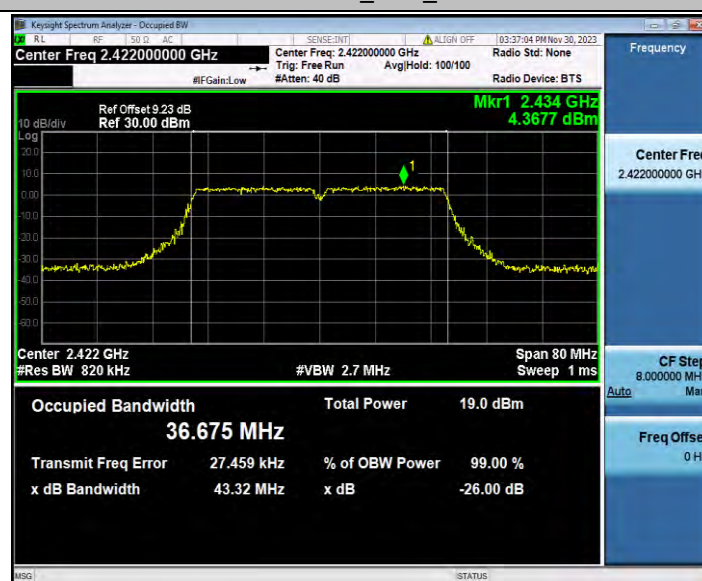
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

Appendix C.3: Maximum conducted output power

Test Result Peak

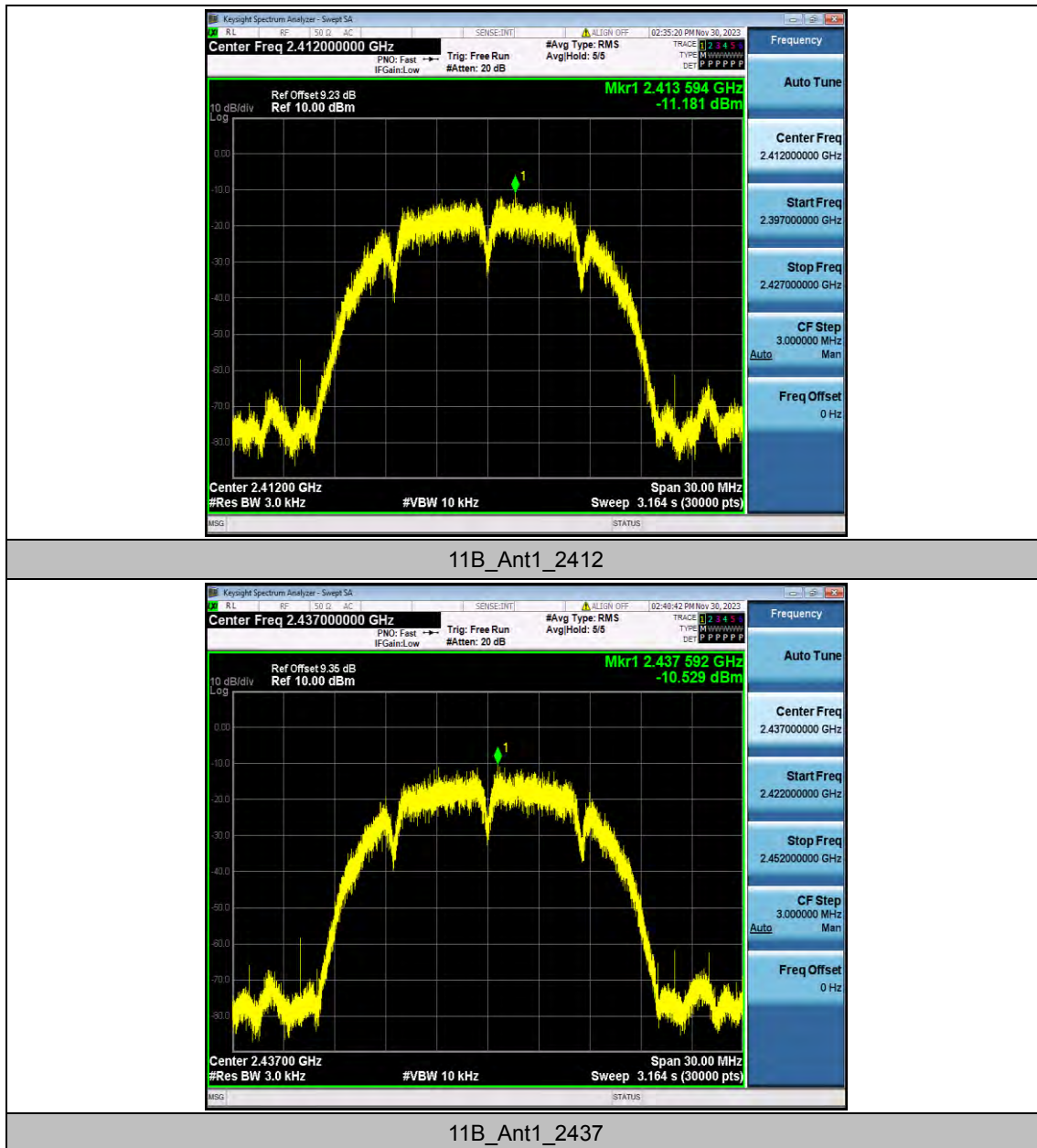
Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	15.12	≤30.00	PASS
		2437	15.36	≤30.00	PASS
		2462	15.36	≤30.00	PASS
11G	Ant1	2412	19.23	≤30.00	PASS
		2437	19.68	≤30.00	PASS
		2462	19.75	≤30.00	PASS
11N20SISO	Ant1	2412	19.19	≤30.00	PASS
		2437	19.58	≤30.00	PASS
		2462	19.54	≤30.00	PASS
11N40SISO	Ant1	2422	19.32	≤30.00	PASS
		2437	19.61	≤30.00	PASS
		2452	19.85	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

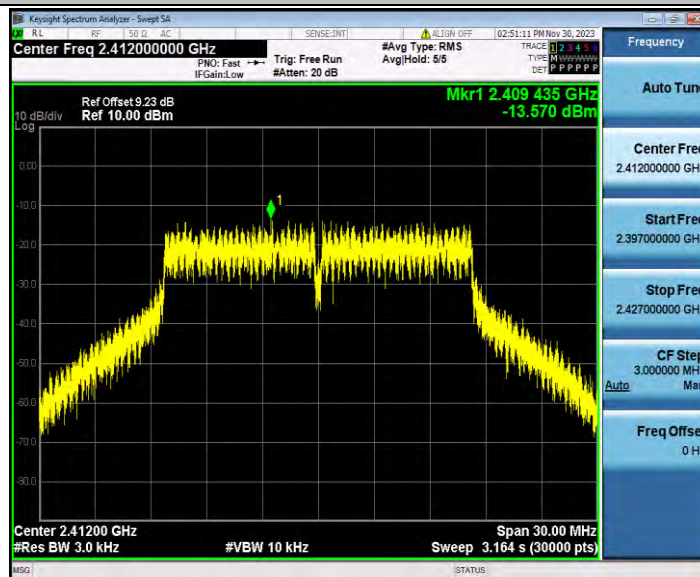
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.18	≤8.00	PASS
		2437	-10.53	≤8.00	PASS
		2462	-10.36	≤8.00	PASS
11G	Ant1	2412	-13.57	≤8.00	PASS
		2437	-11.98	≤8.00	PASS
		2462	-13.24	≤8.00	PASS
11N20SISO	Ant1	2412	-13.49	≤8.00	PASS
		2437	-13.17	≤8.00	PASS
		2462	-13.17	≤8.00	PASS
11N40SISO	Ant1	2422	-16.3	≤8.00	PASS
		2437	-15.44	≤8.00	PASS
		2452	-15.88	≤8.00	PASS

Test Graphs

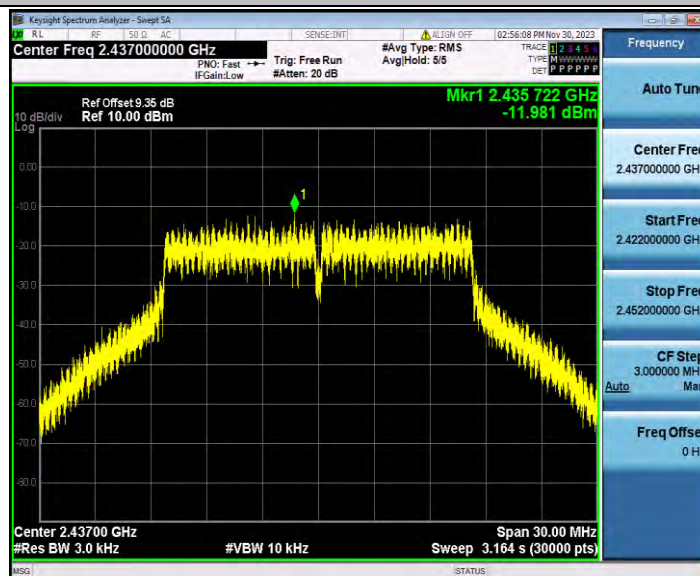




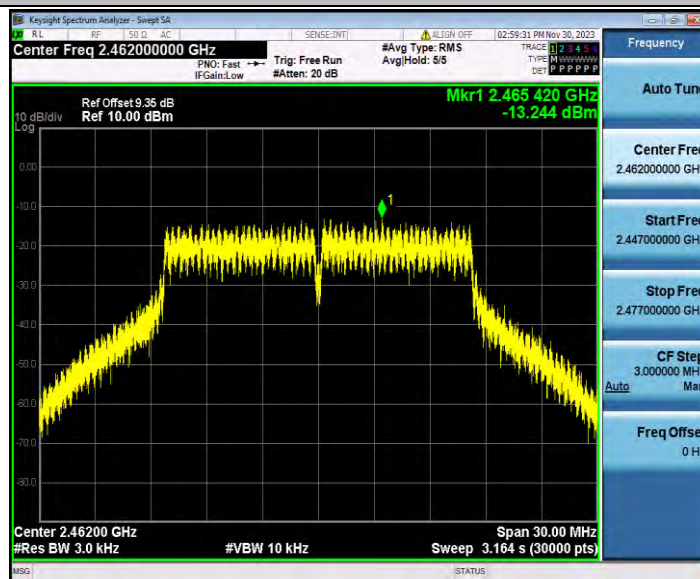
11B_Ant1_2462



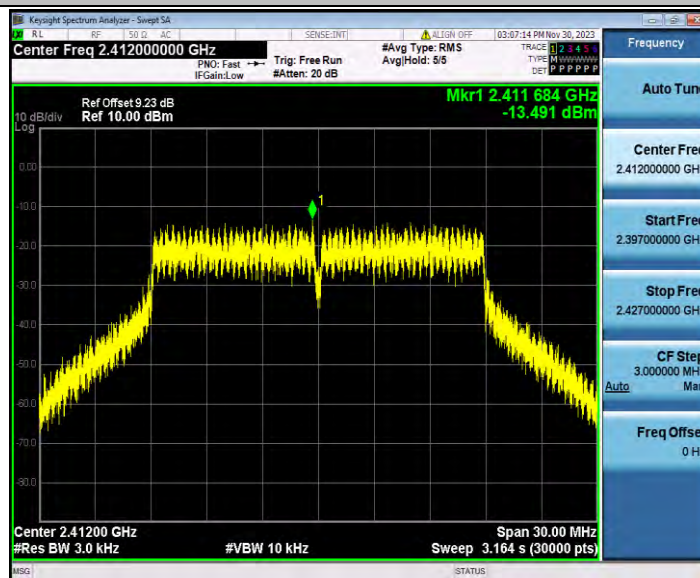
11G_Ant1_2412



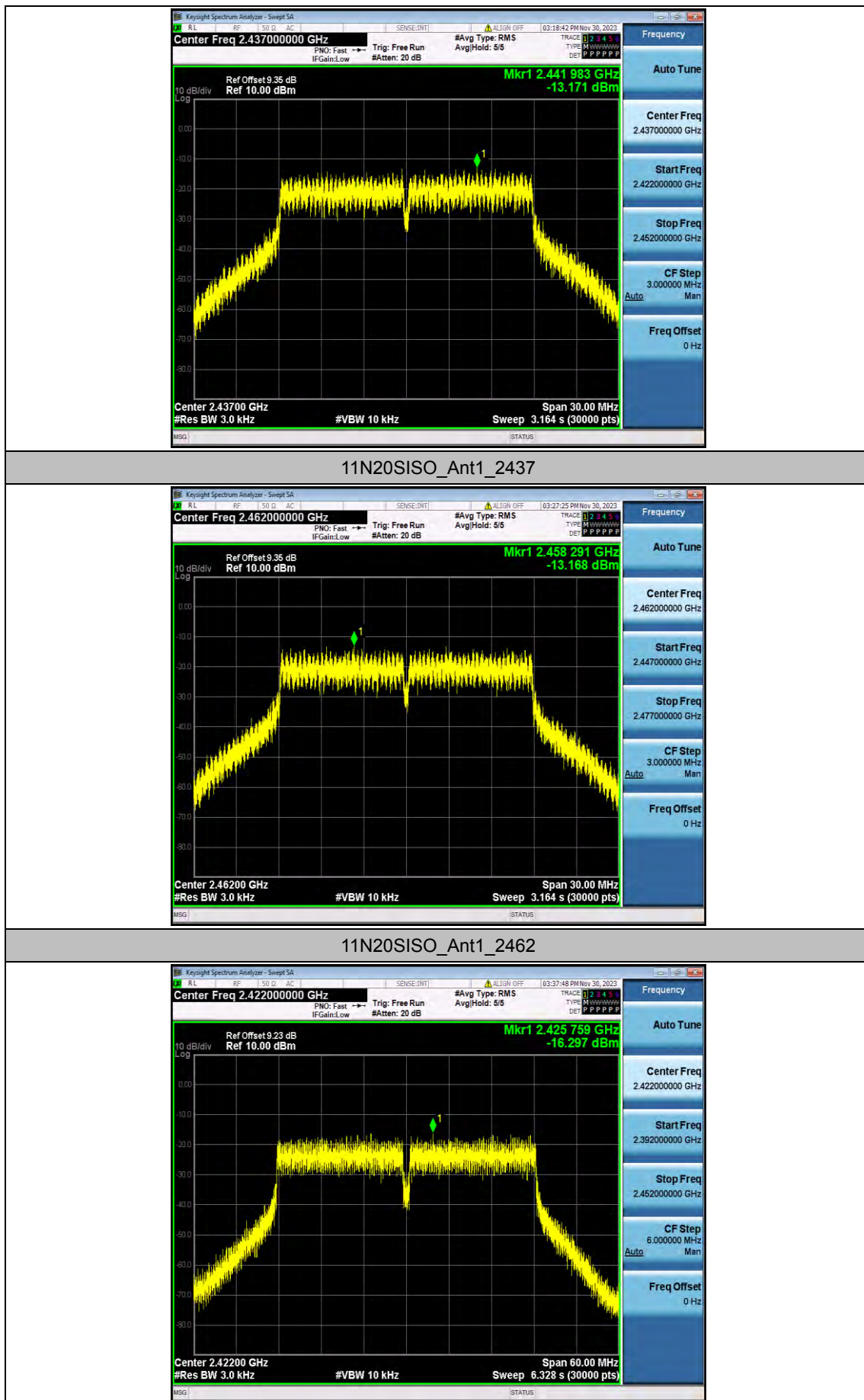
11G_Ant1_2437



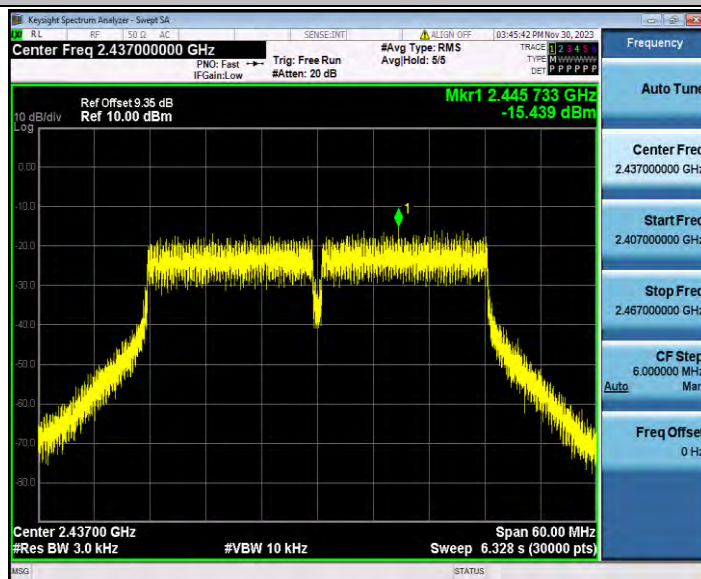
11G_Ant1_2462



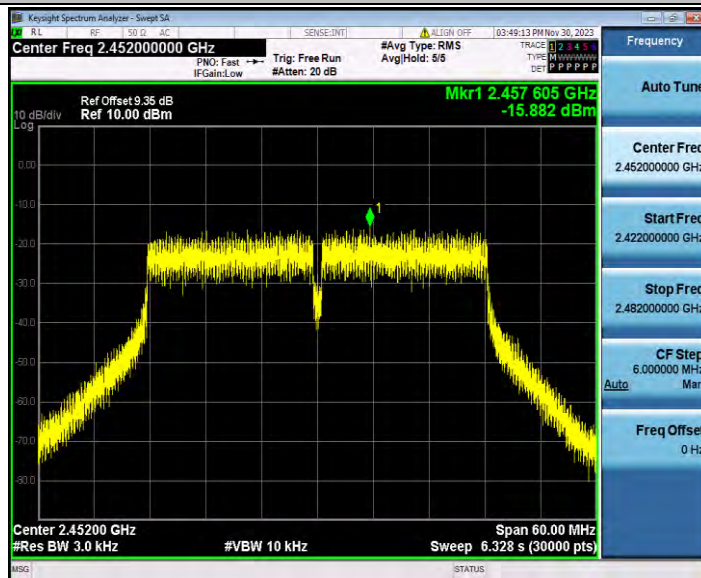
11N20SISO_Ant1_2412



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



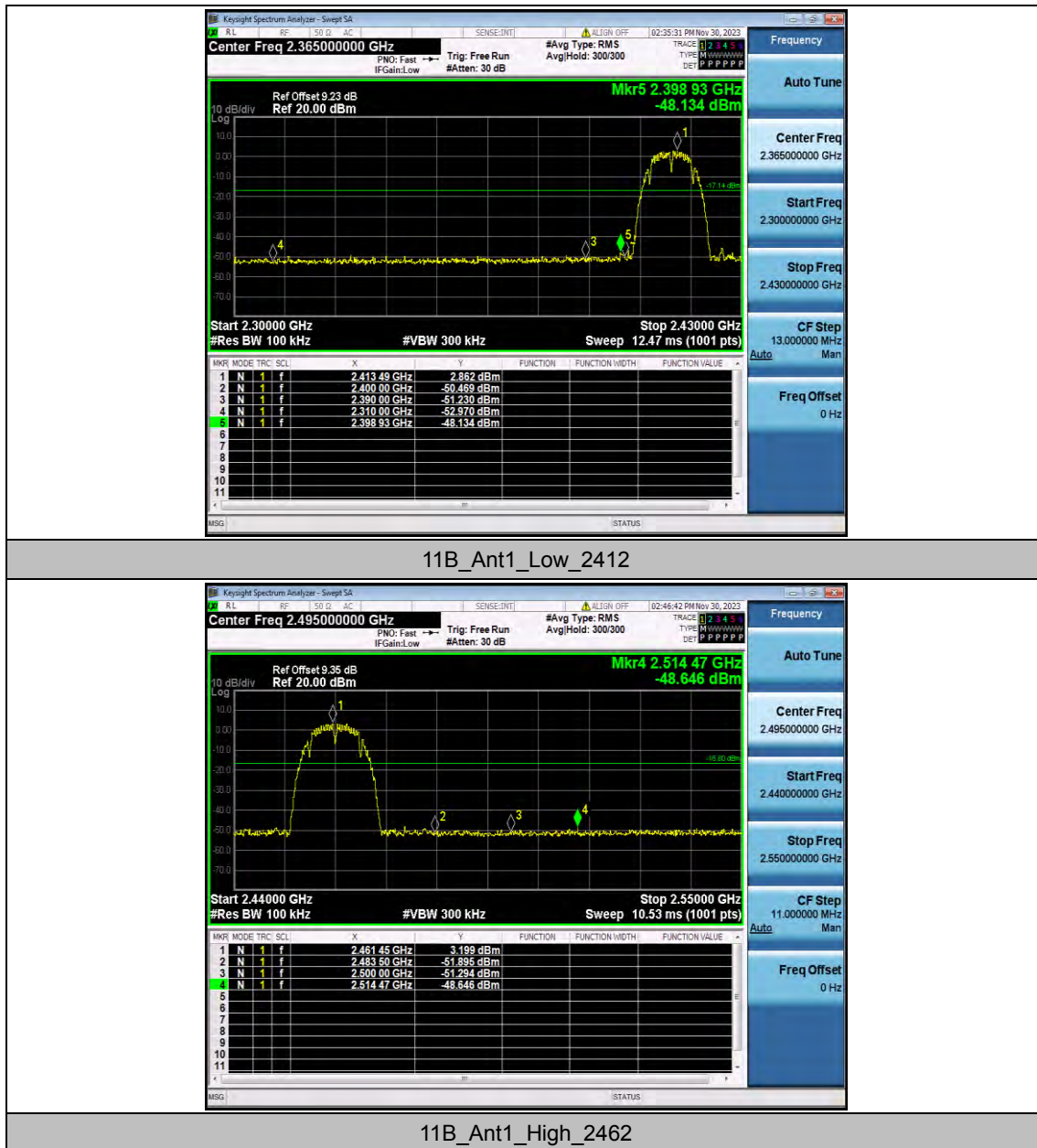
11N40SISO_Ant1_2452

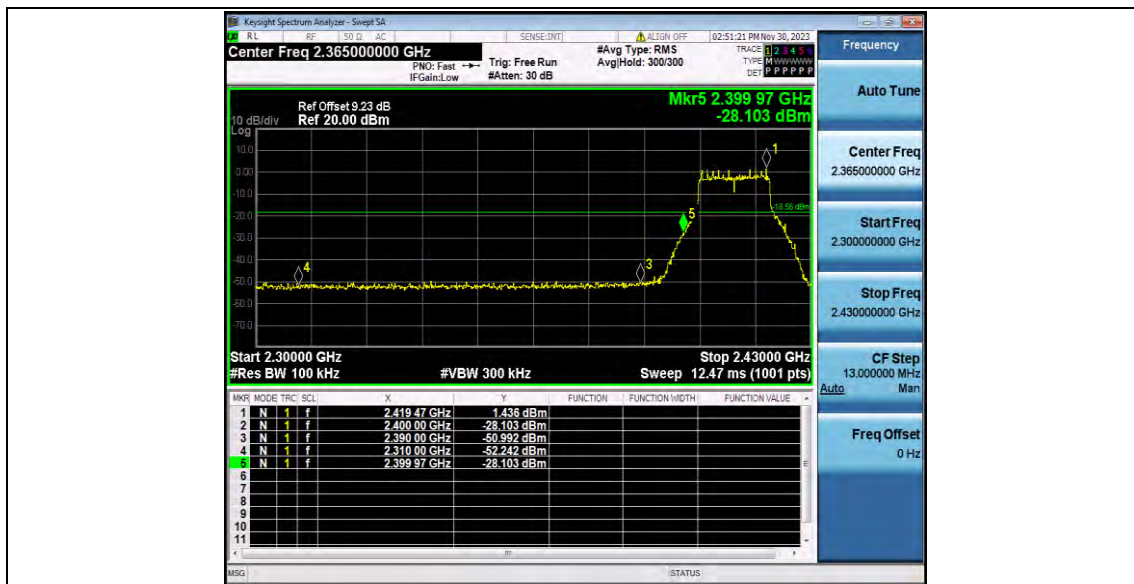
Appendix C.5: Band edge measurements

Test Result

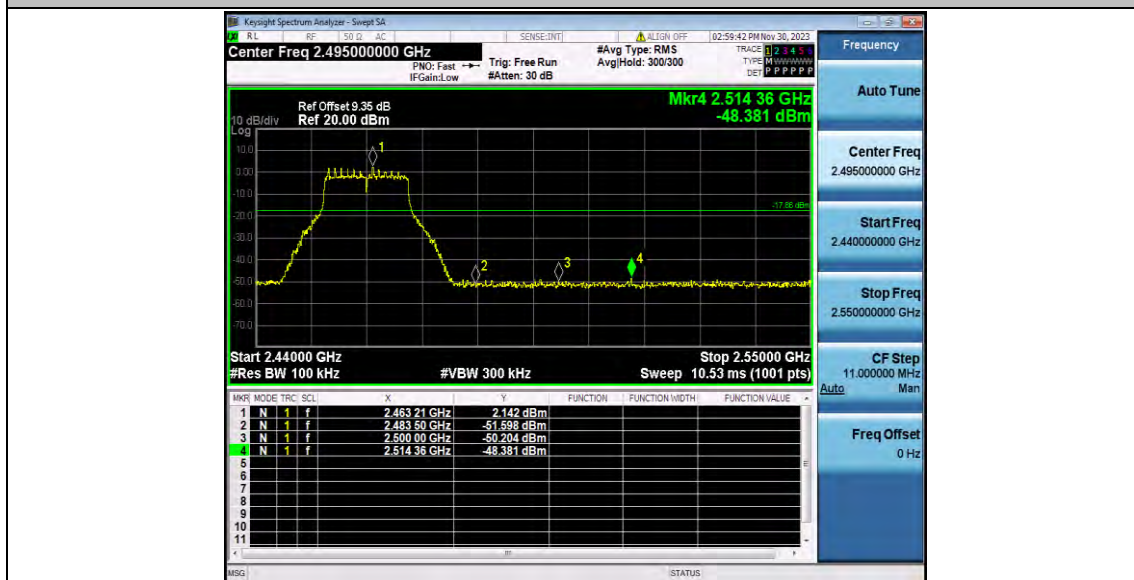
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.86	-48.13	≤ -17.14	PASS
		High	2462	3.20	-48.65	≤ -16.8	PASS
11G	Ant1	Low	2412	1.44	-28.1	≤ -18.56	PASS
		High	2462	2.14	-48.38	≤ -17.86	PASS
11N20SISO	Ant1	Low	2412	1.32	-27.41	≤ -18.68	PASS
		High	2462	2.14	-48.87	≤ -17.86	PASS
11N40SISO	Ant1	Low	2422	-2.01	-29.25	≤ -22.01	PASS
		High	2452	-1.08	-46.31	≤ -21.08	PASS

Test Graphs





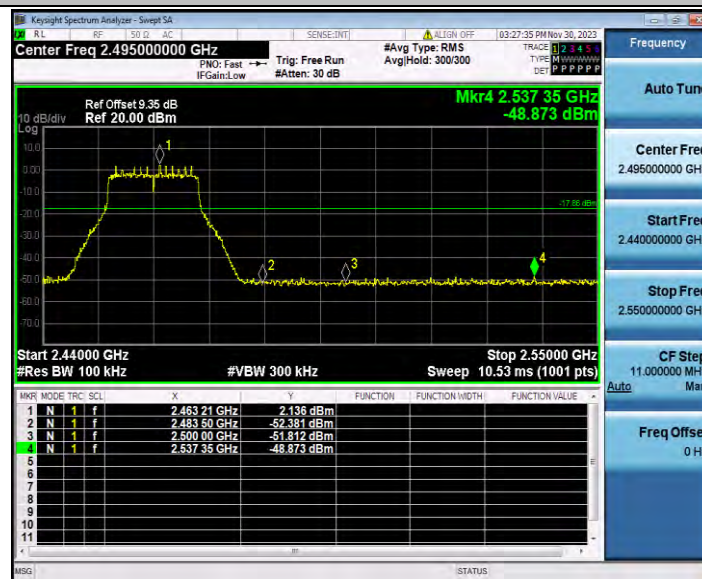
11G_Ant1_Low_2412



11G_Ant1_High_2462



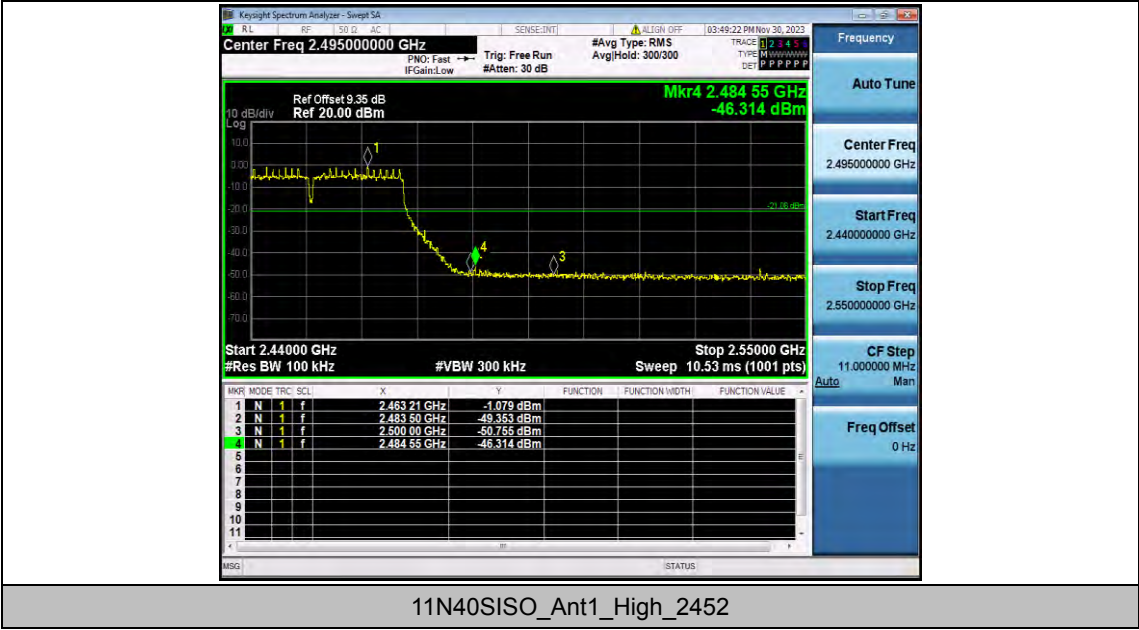
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



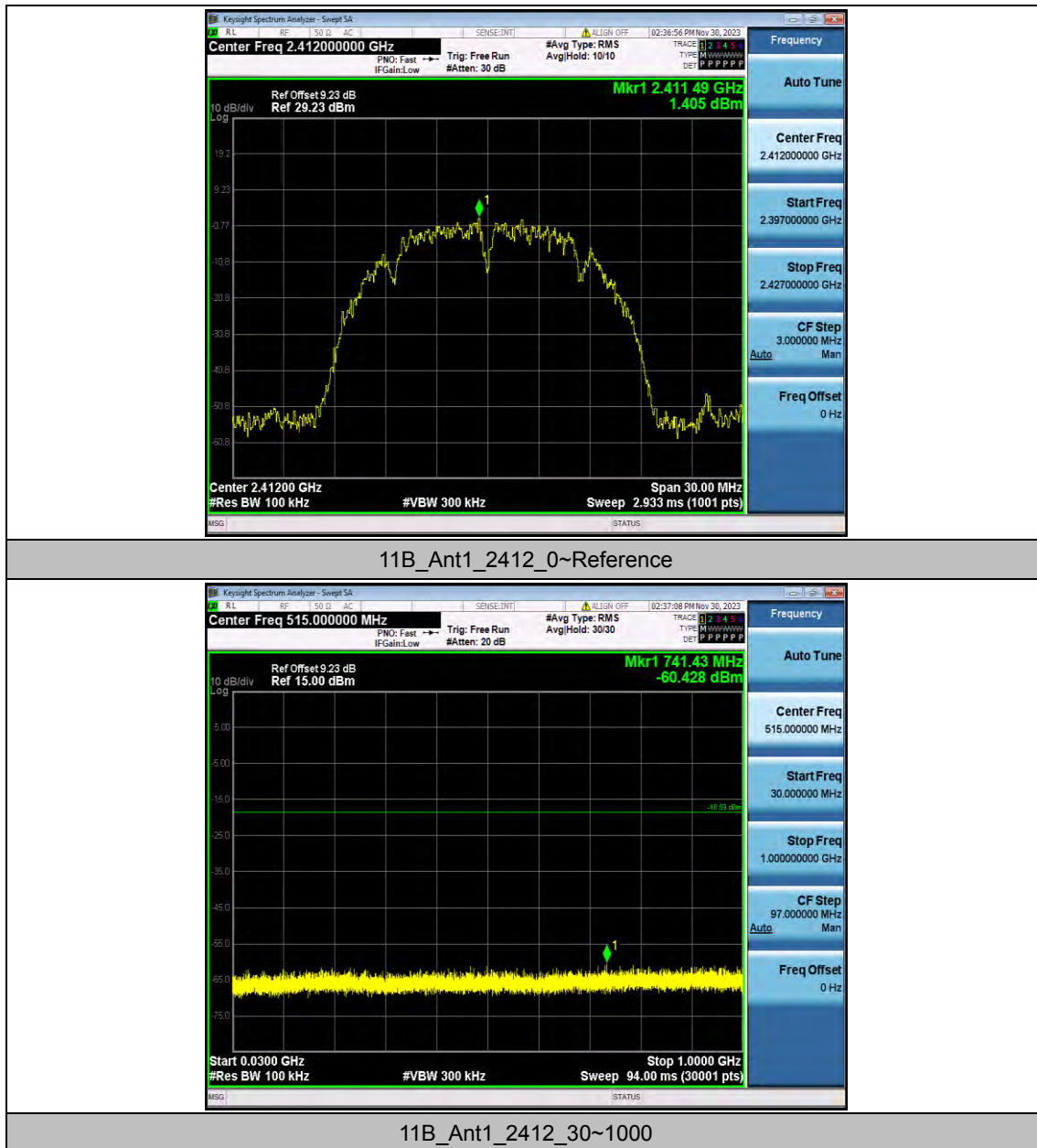
11N40SISO_Ant1_High_2452

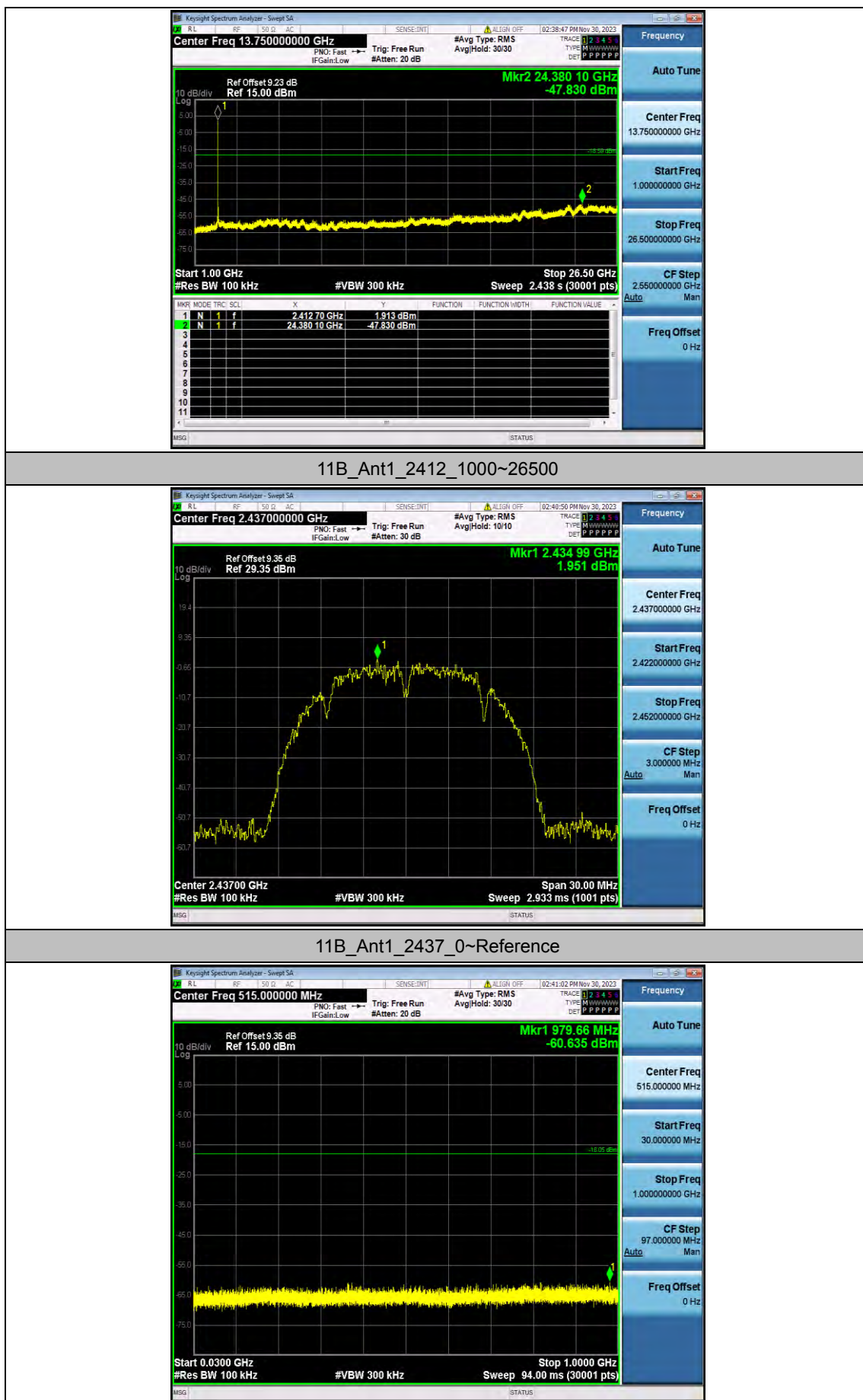
Appendix C.6: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.41	1.41	---	PASS
			30~1000	1.41	-60.43	≤ -18.59	PASS
			1000~26500	1.41	-47.83	≤ -18.59	PASS
		2437	Reference	1.95	1.95	---	PASS
			30~1000	1.95	-60.64	≤ -18.05	PASS
			1000~26500	1.95	-47.18	≤ -18.05	PASS
		2462	Reference	1.67	1.67	---	PASS
			30~1000	1.67	-59.93	≤ -18.33	PASS
			1000~26500	1.67	-47.44	≤ -18.33	PASS
11G	Ant1	2412	Reference	-1.92	-1.92	---	PASS
			30~1000	-1.92	-60.44	≤ -21.92	PASS
			1000~26500	-1.92	-47.57	≤ -21.92	PASS
		2437	Reference	0.92	0.92	---	PASS
			30~1000	0.92	-60.23	≤ -19.08	PASS
			1000~26500	0.92	-47.33	≤ -19.08	PASS
		2462	Reference	1.15	1.15	---	PASS
			30~1000	1.15	-59.75	≤ -18.85	PASS
			1000~26500	1.15	-46.14	≤ -18.85	PASS
11N20SISO	Ant1	2412	Reference	-1.46	-1.46	---	PASS
			30~1000	-1.46	-59.97	≤ -21.46	PASS
			1000~26500	-1.46	-47.58	≤ -21.46	PASS
		2437	Reference	-0.88	-0.88	---	PASS
			30~1000	-0.88	-59.13	≤ -20.88	PASS
			1000~26500	-0.88	-47.1	≤ -20.88	PASS
		2462	Reference	1.49	1.49	---	PASS
			30~1000	1.49	-60.87	≤ -18.51	PASS
			1000~26500	1.49	-47.59	≤ -18.51	PASS
11N40SISO	Ant1	2422	Reference	-3.46	-3.46	---	PASS
			30~1000	-3.46	-60.08	≤ -23.46	PASS
			1000~26500	-3.46	-47.47	≤ -23.46	PASS
		2437	Reference	-1.67	-1.67	---	PASS
			30~1000	-1.67	-60.64	≤ -21.67	PASS
			1000~26500	-1.67	-46.94	≤ -21.67	PASS
		2452	Reference	-1.47	-1.47	---	PASS
			30~1000	-1.47	-60.59	≤ -21.47	PASS
			1000~26500	-1.47	-47.04	≤ -21.47	PASS

Test Graphs

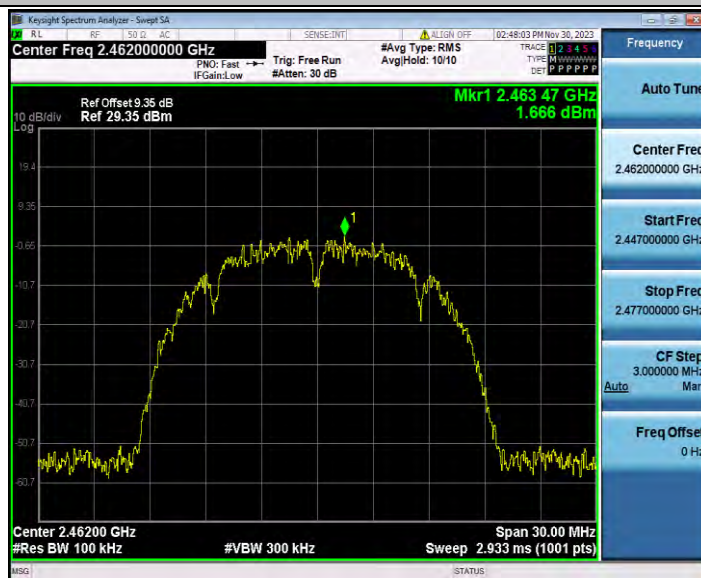




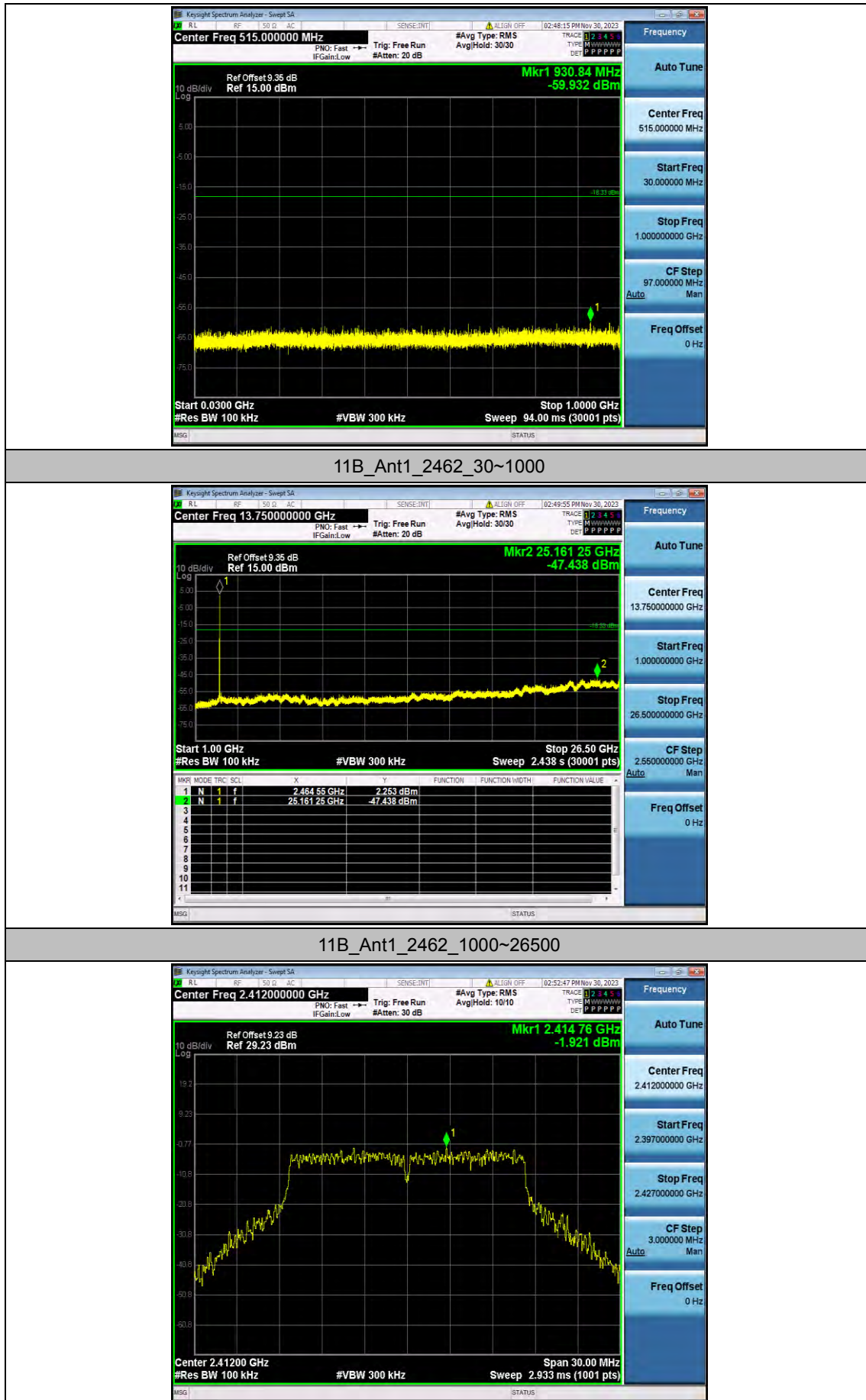
11B_Ant1_2437_30~1000



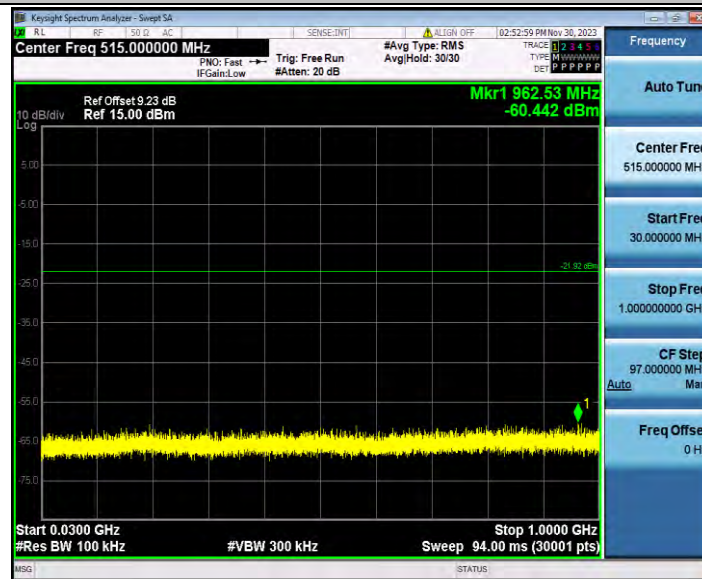
11B_Ant1_2437_1000~26500



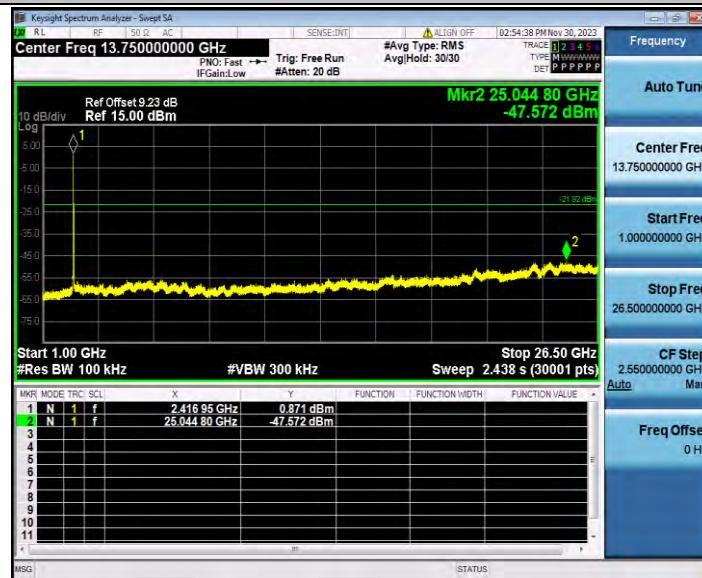
11B_Ant1_2462_0~Reference



11G_Ant1_2412_0~Reference



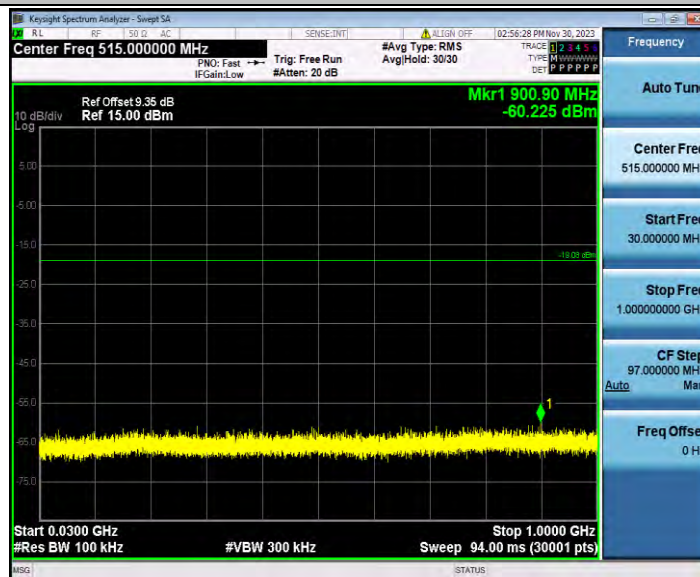
11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



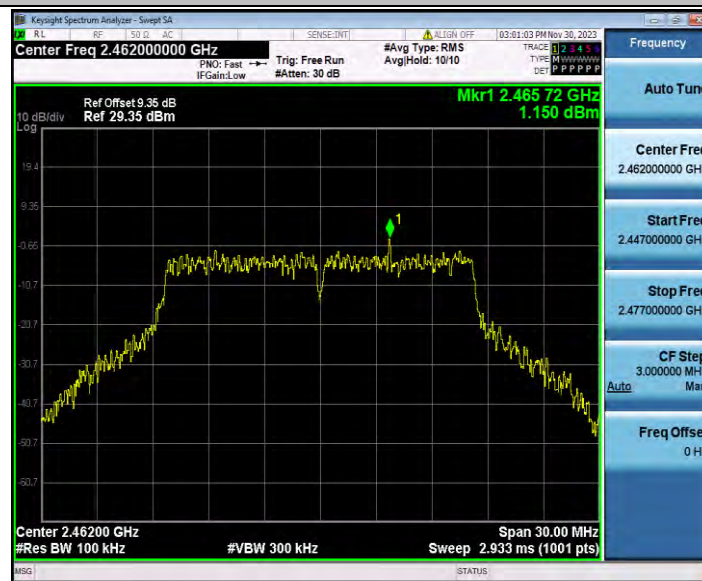
11G_Ant1_2437_0~Reference



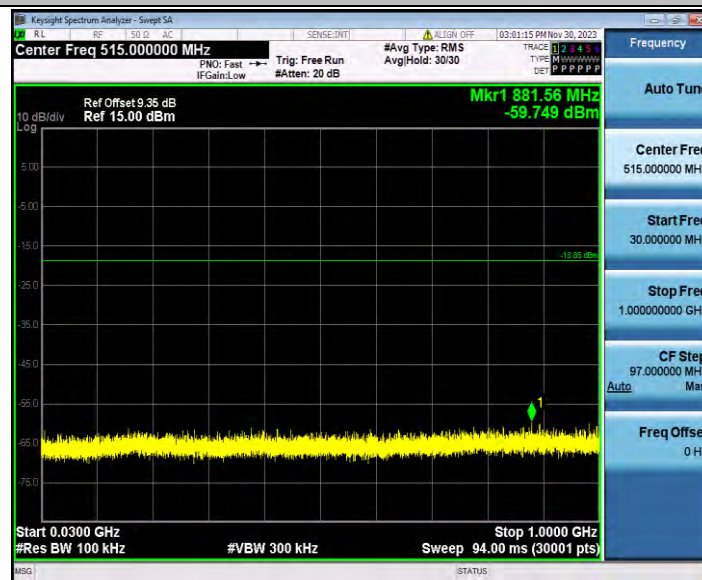
11G_Ant1_2437_30~1000



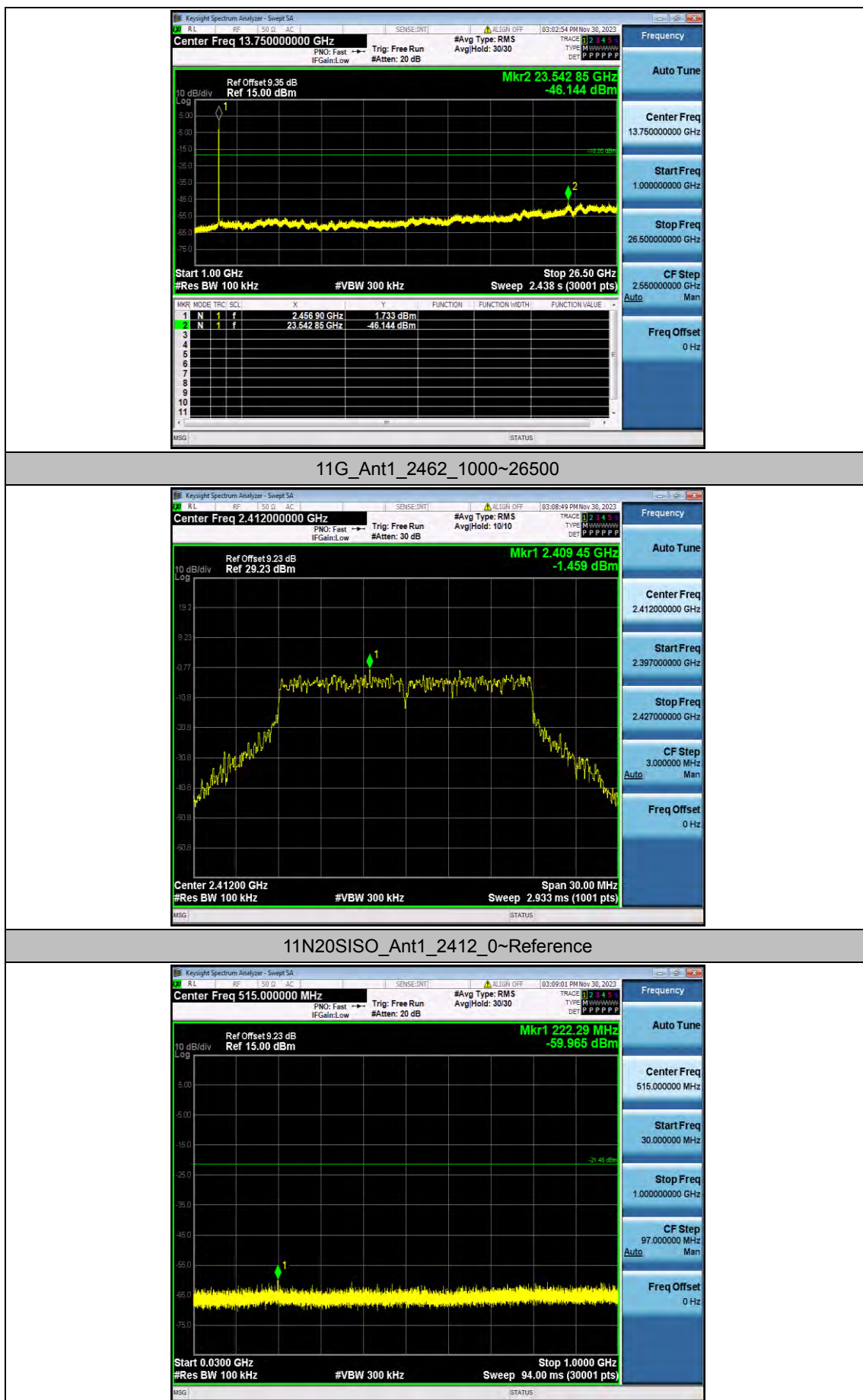
11G_Ant1_2437_1000~26500



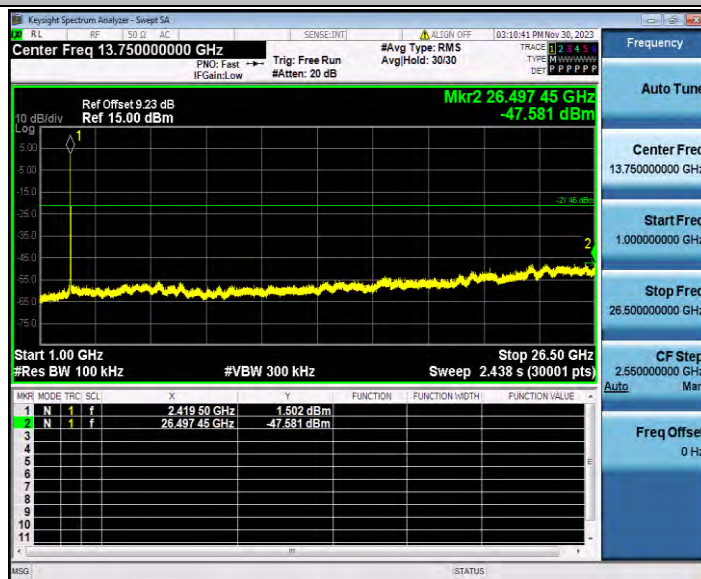
11G_Ant1_2462_0~Reference



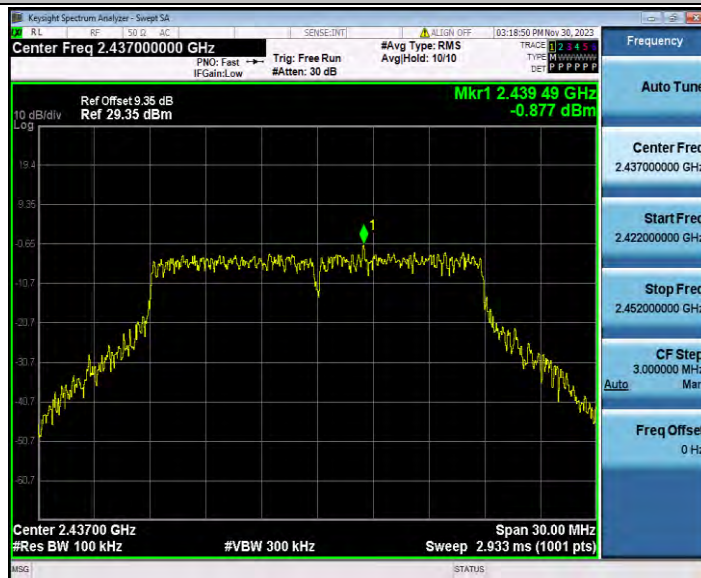
11G_Ant1_2462_30~1000



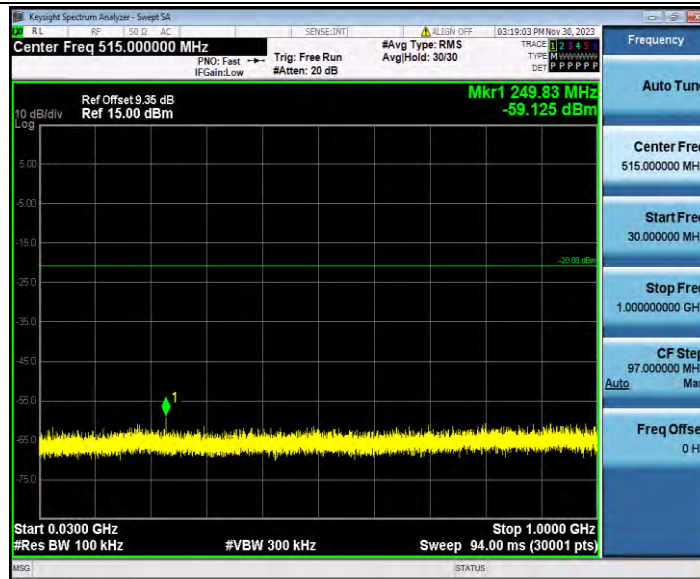
11N20SISO_Ant1_2412_30~1000



11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



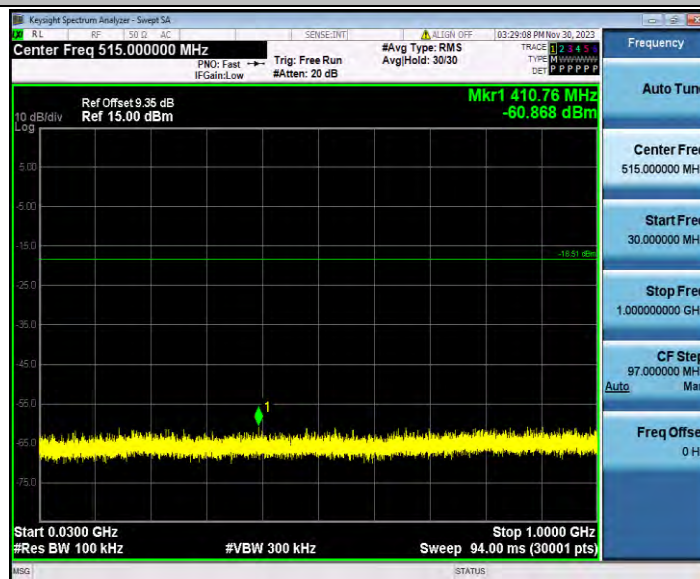
11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



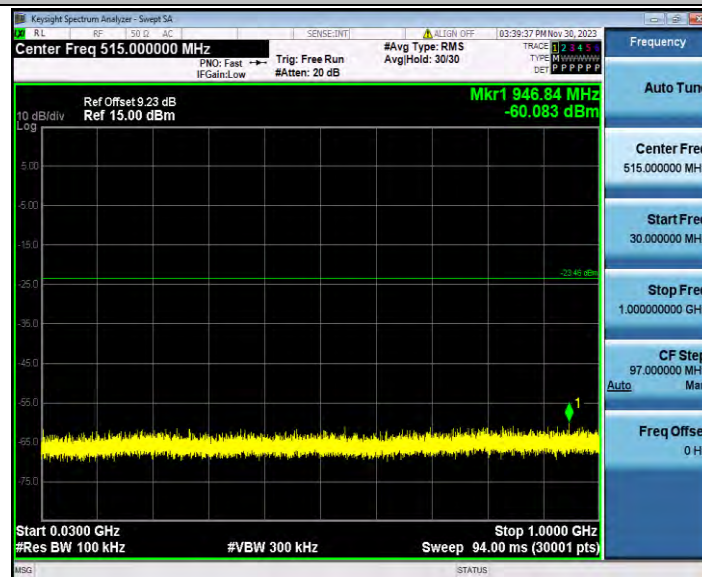
11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500



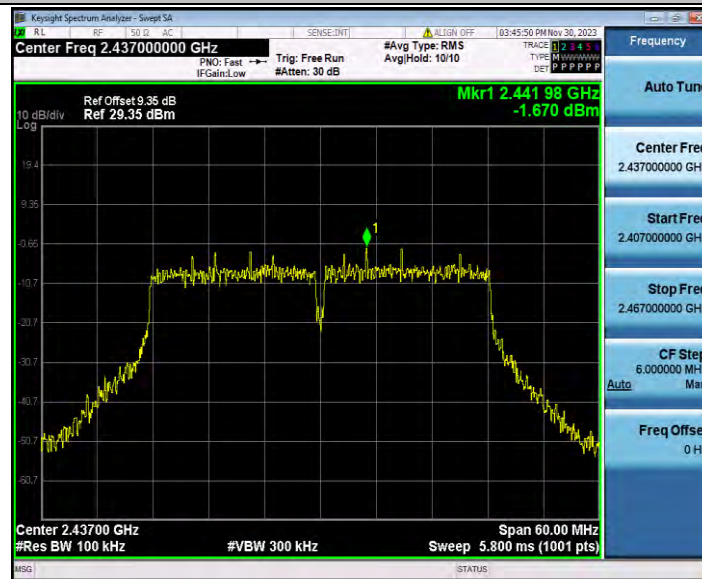
11N40SISO_Ant1_2422_0~Reference



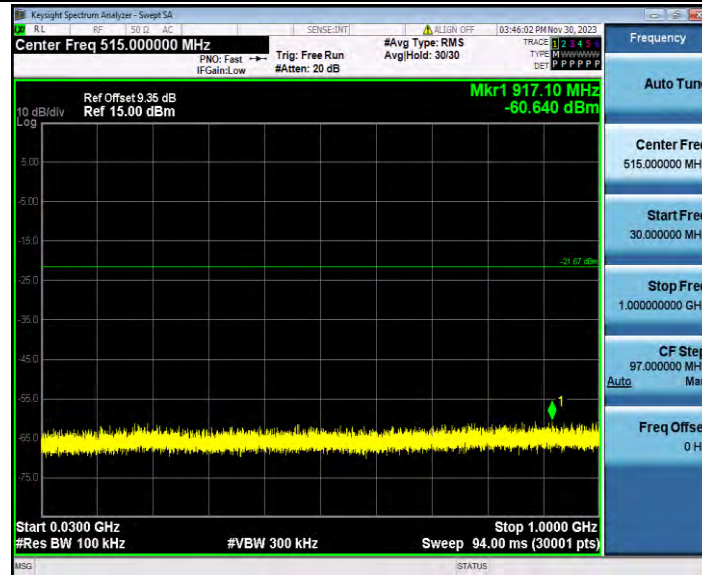
11N40SISO_Ant1_2422_30~1000



11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000

