

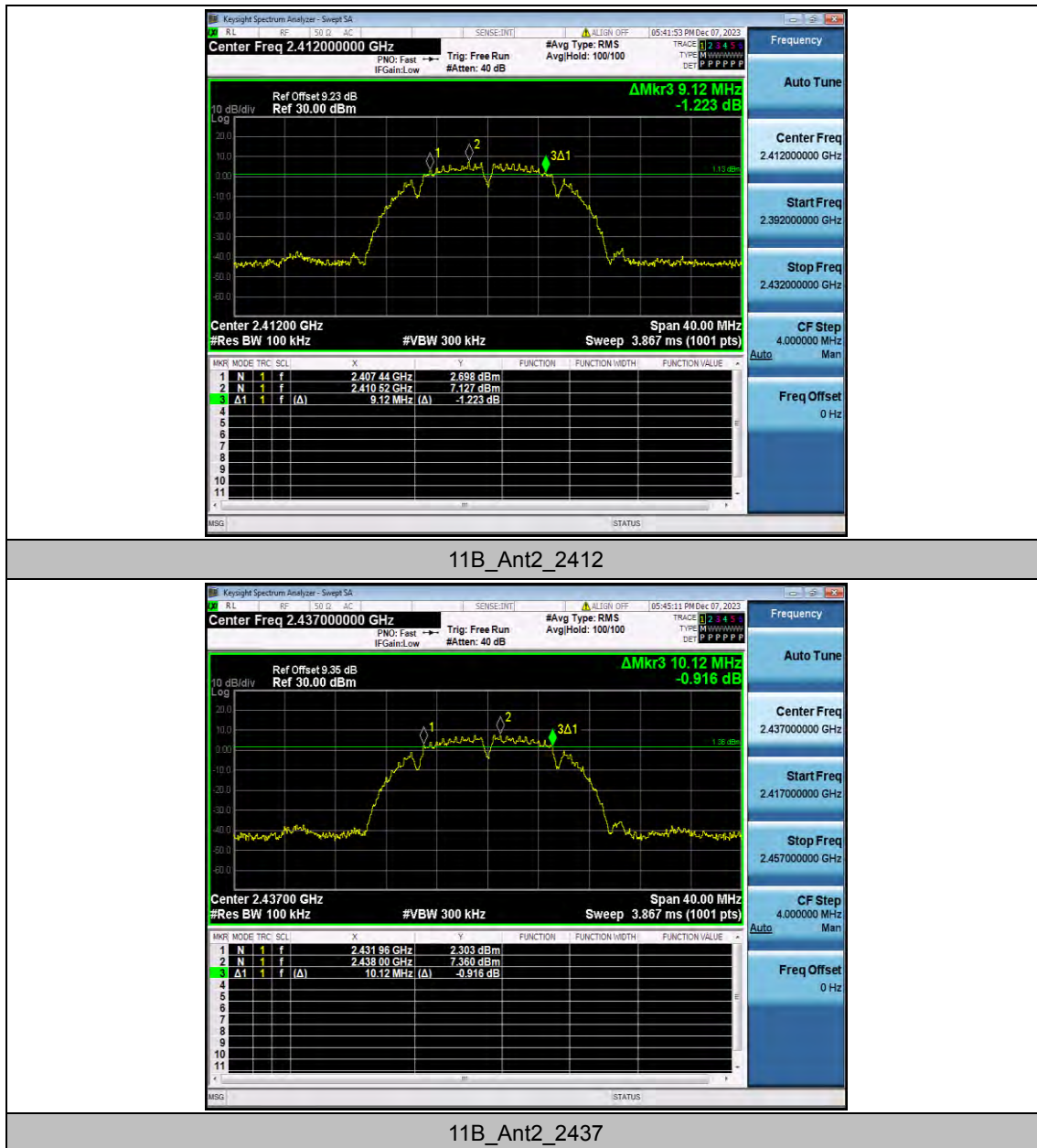
Case No. : <u>GTS20231012003-1-10</u>	
Ambient Condition: <u>23</u> °C, <u>49</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.12.7</u>	Test Engineer: <u>Evan ouyang</u>

Appendix C.1: DTS Bandwidth

Test Result

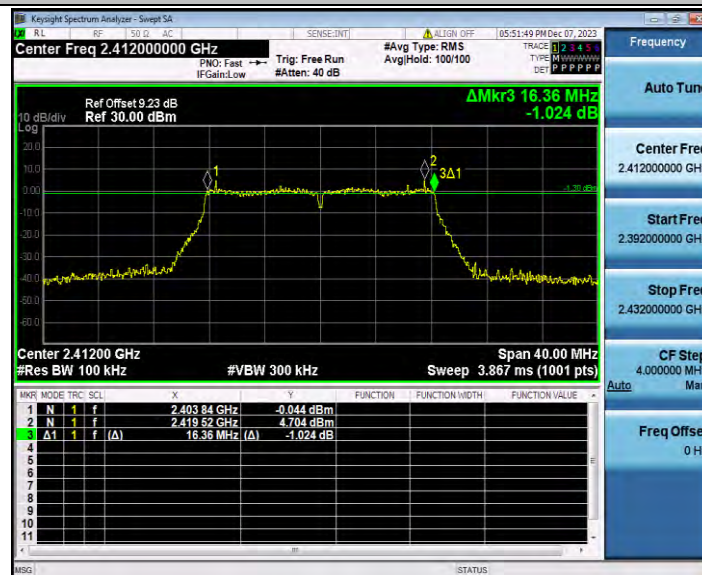
Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	9.120	2407.440	2416.560	0.5	PASS
		2437	10.120	2431.960	2442.080	0.5	PASS
		2462	10.080	2456.960	2467.040	0.5	PASS
11G	Ant2	2412	16.360	2403.840	2420.200	0.5	PASS
		2437	16.360	2428.840	2445.200	0.5	PASS
		2462	16.400	2453.800	2470.200	0.5	PASS
11N20SISO	Ant2	2412	17.720	2403.160	2420.880	0.5	PASS
		2437	17.640	2428.200	2445.840	0.5	PASS
		2462	17.680	2453.160	2470.840	0.5	PASS
11N40SISO	Ant2	2422	36.000	2404.160	2440.160	0.5	PASS
		2437	35.760	2419.400	2455.160	0.5	PASS
		2452	36.320	2433.840	2470.160	0.5	PASS

Test Graphs





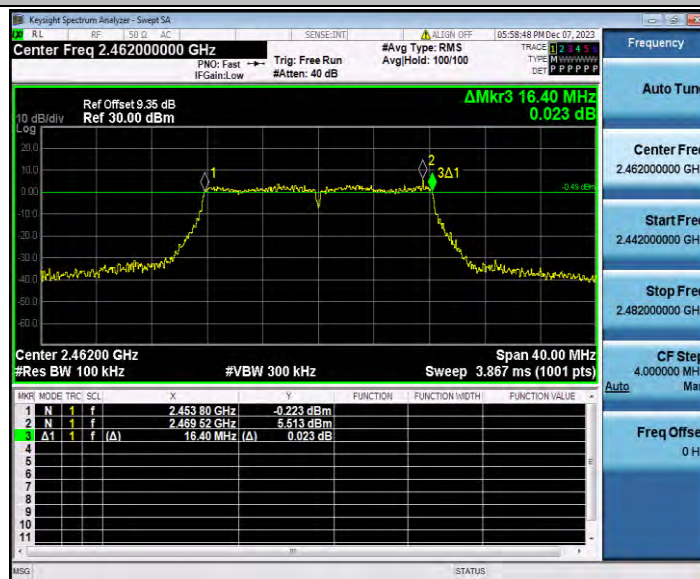
11B_Ant2_2462



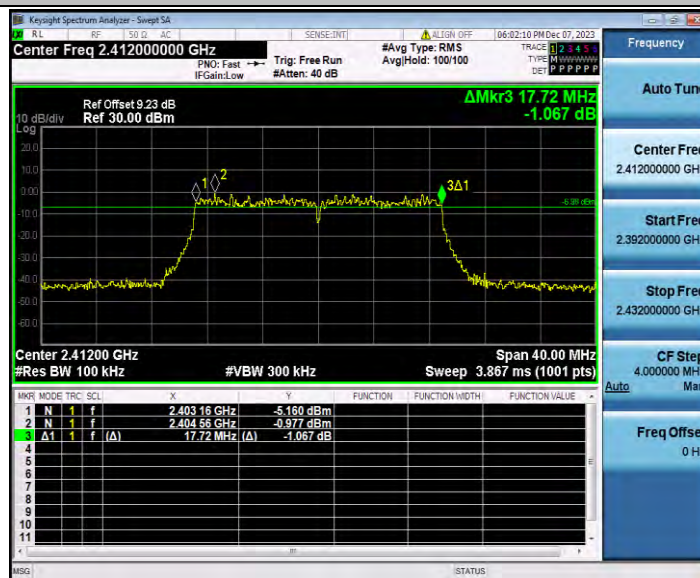
11G_Ant2_2412



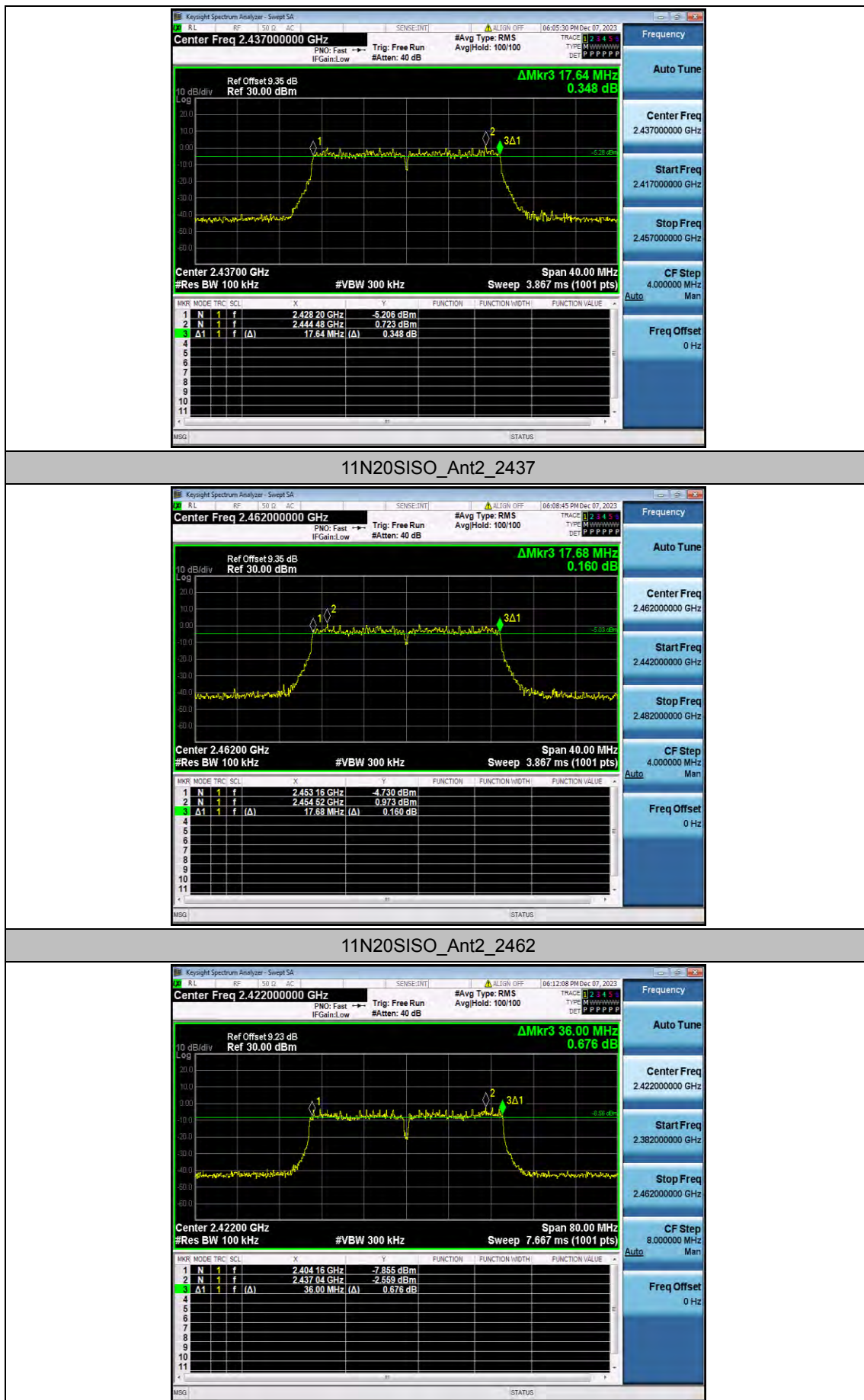
11G_Ant2_2437



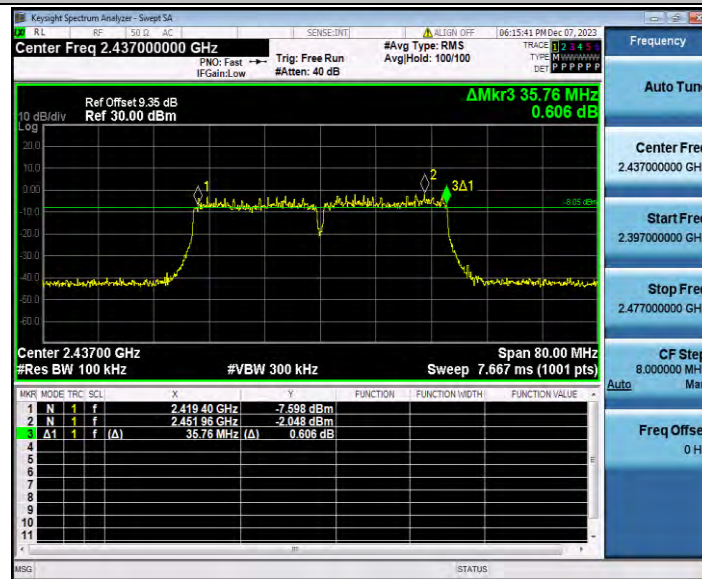
11G_Ant2_2462



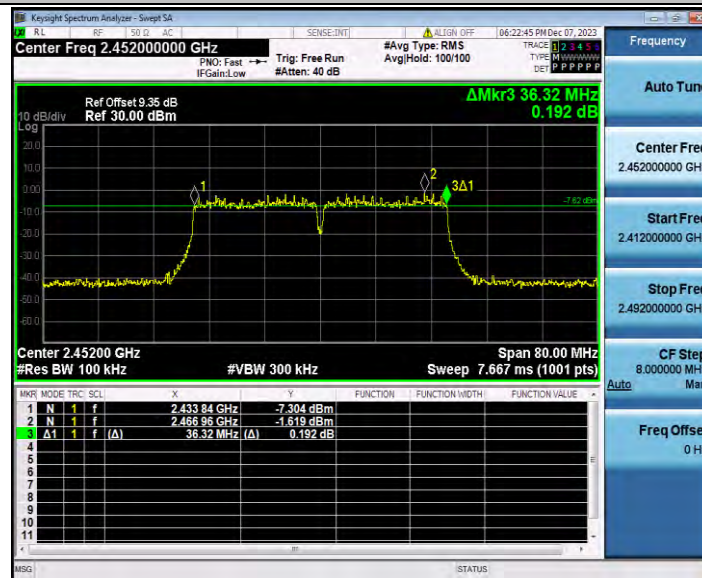
11N20SISO_Ant2_2412



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



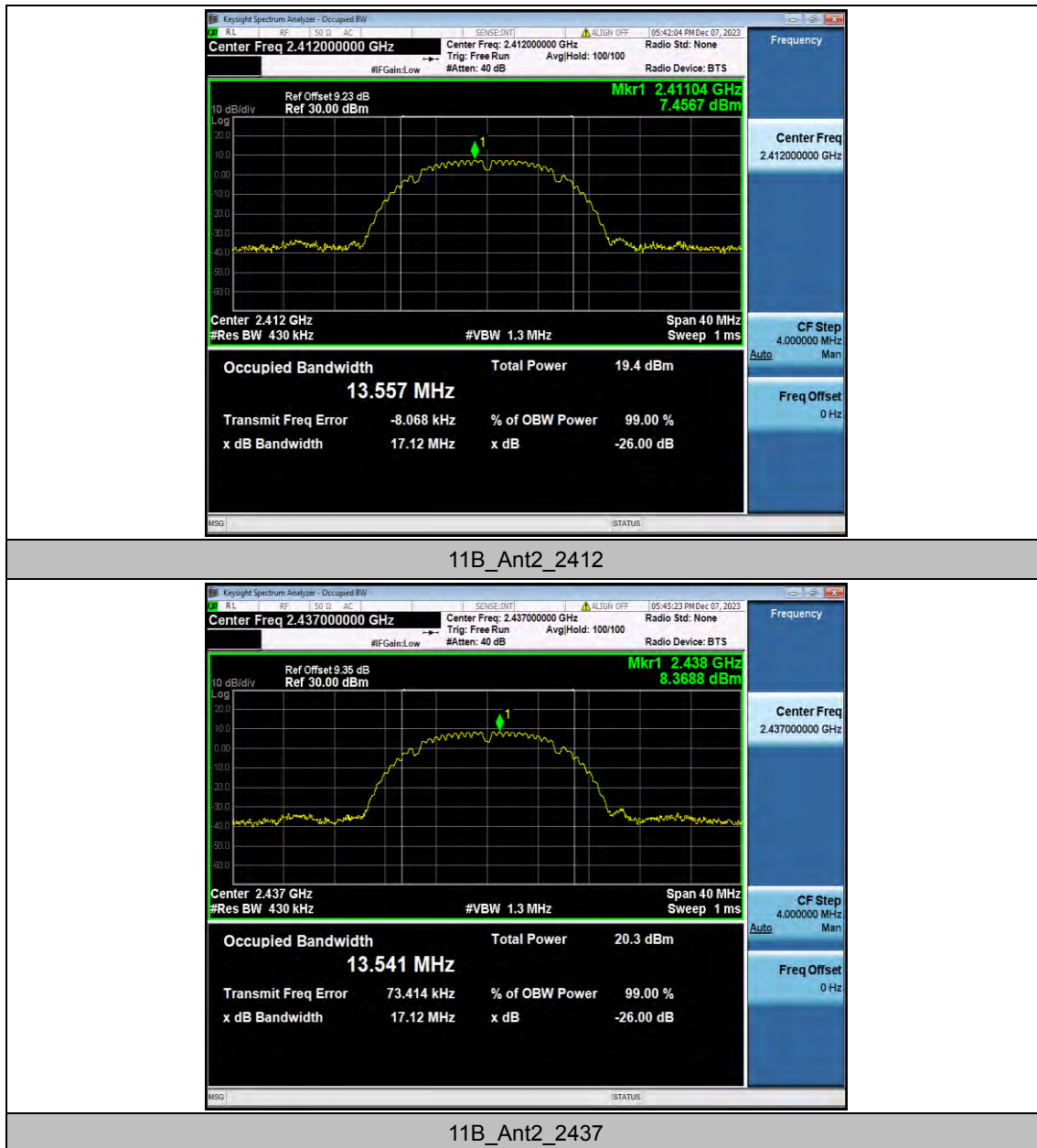
11N40SISO_Ant2_2452

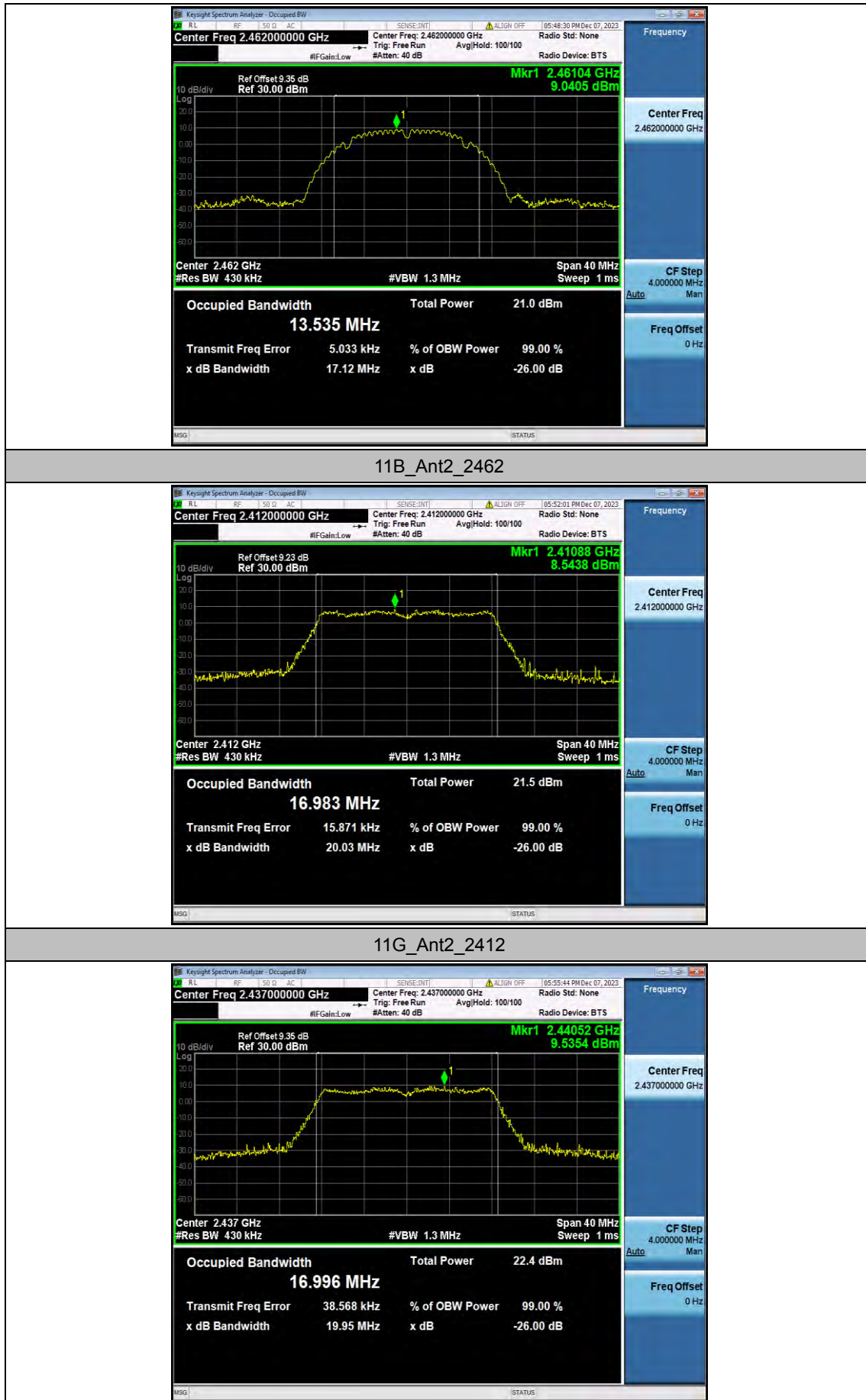
Appendix C.2: Occupied Channel Bandwidth

Test Result

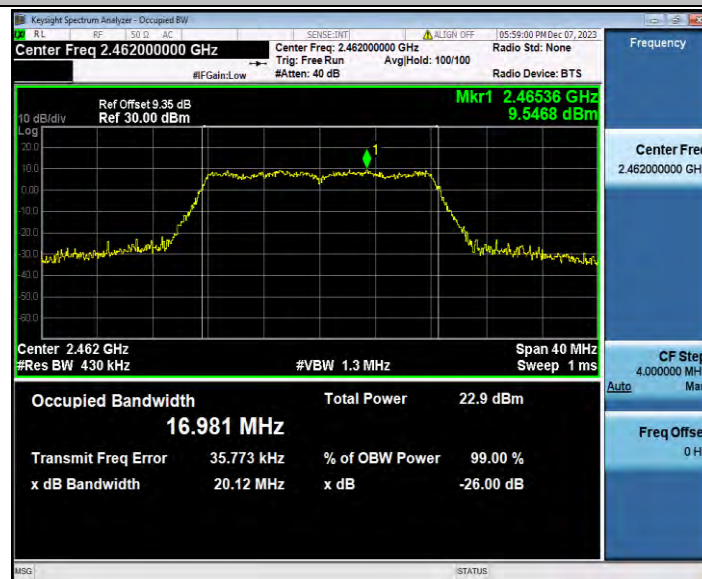
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	13.557	2405.213	2418.770	---	---
		2437	13.541	2430.303	2443.844	---	---
		2462	13.535	2455.238	2468.773	---	---
11G	Ant2	2412	16.983	2403.524	2420.507	---	---
		2437	16.996	2428.541	2445.537	---	---
		2462	16.981	2453.545	2470.526	---	---
11N20SISO	Ant2	2412	17.857	2403.076	2420.933	---	---
		2437	17.843	2428.115	2445.958	---	---
		2462	17.861	2453.075	2470.936	---	---
11N40SISO	Ant2	2422	36.453	2403.854	2440.307	---	---
		2437	36.380	2418.915	2455.295	---	---
		2452	36.453	2433.848	2470.301	---	---

Test Graphs

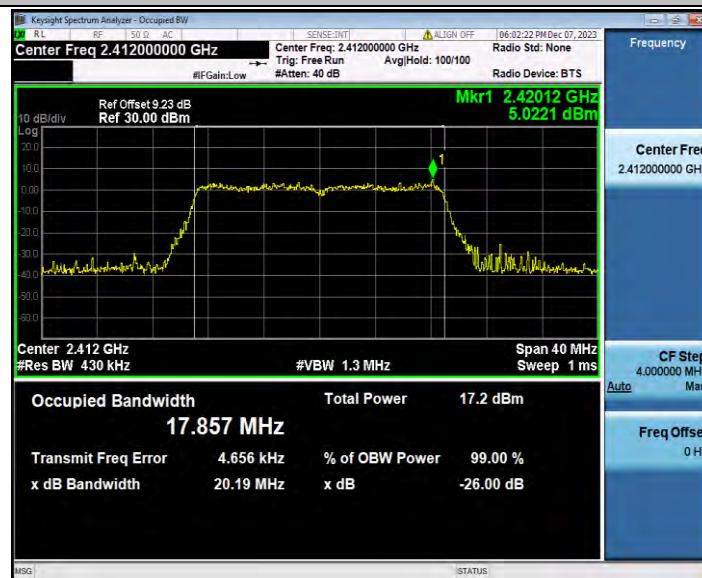




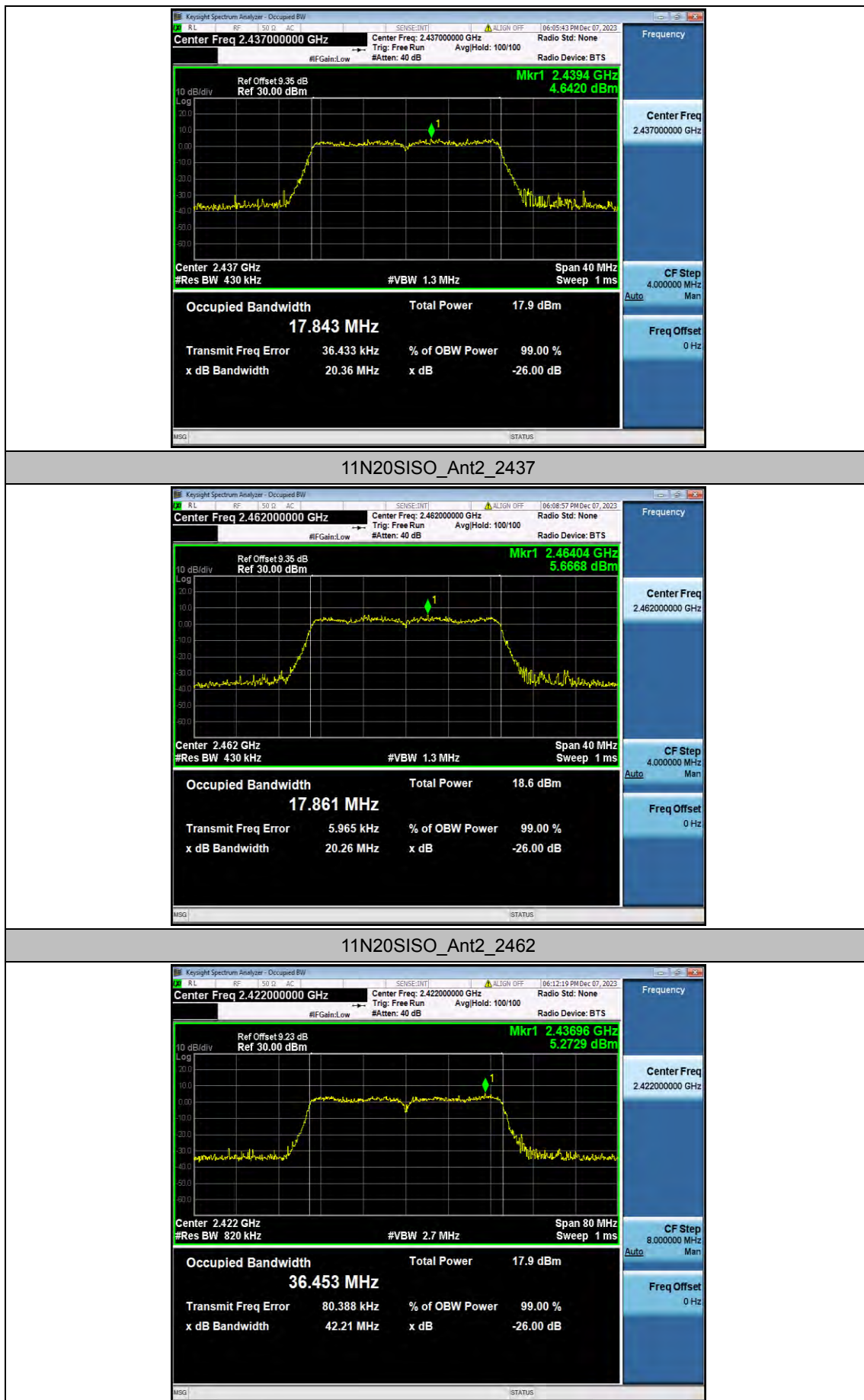
11G_Ant2_2437



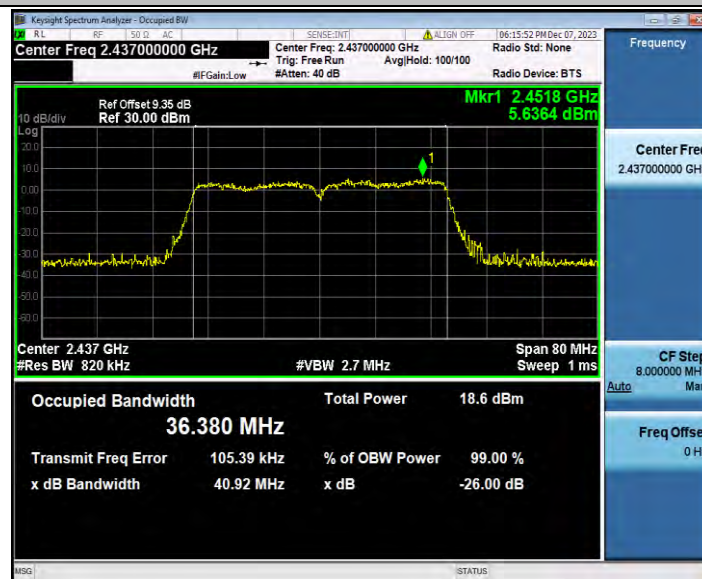
11G_Ant2_2462



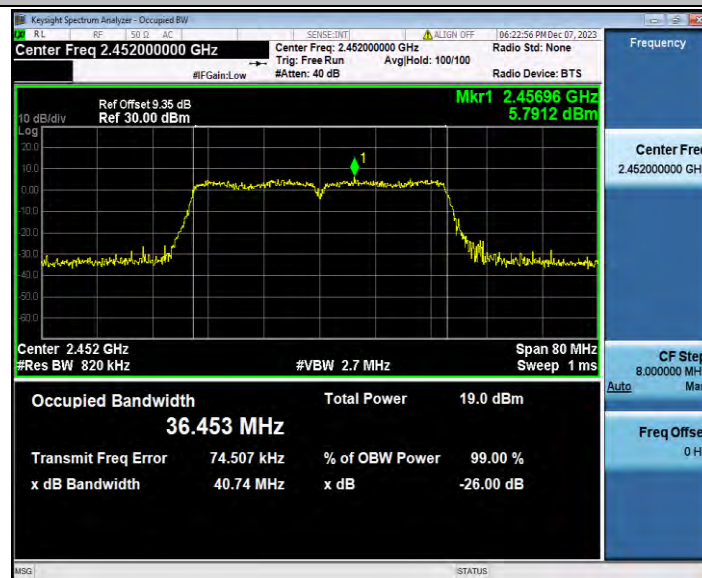
11N20SISO_Ant2_2412



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



11N40SISO_Ant2_2452

Appendix C.3: Maximum conducted output power

Test Result Peak

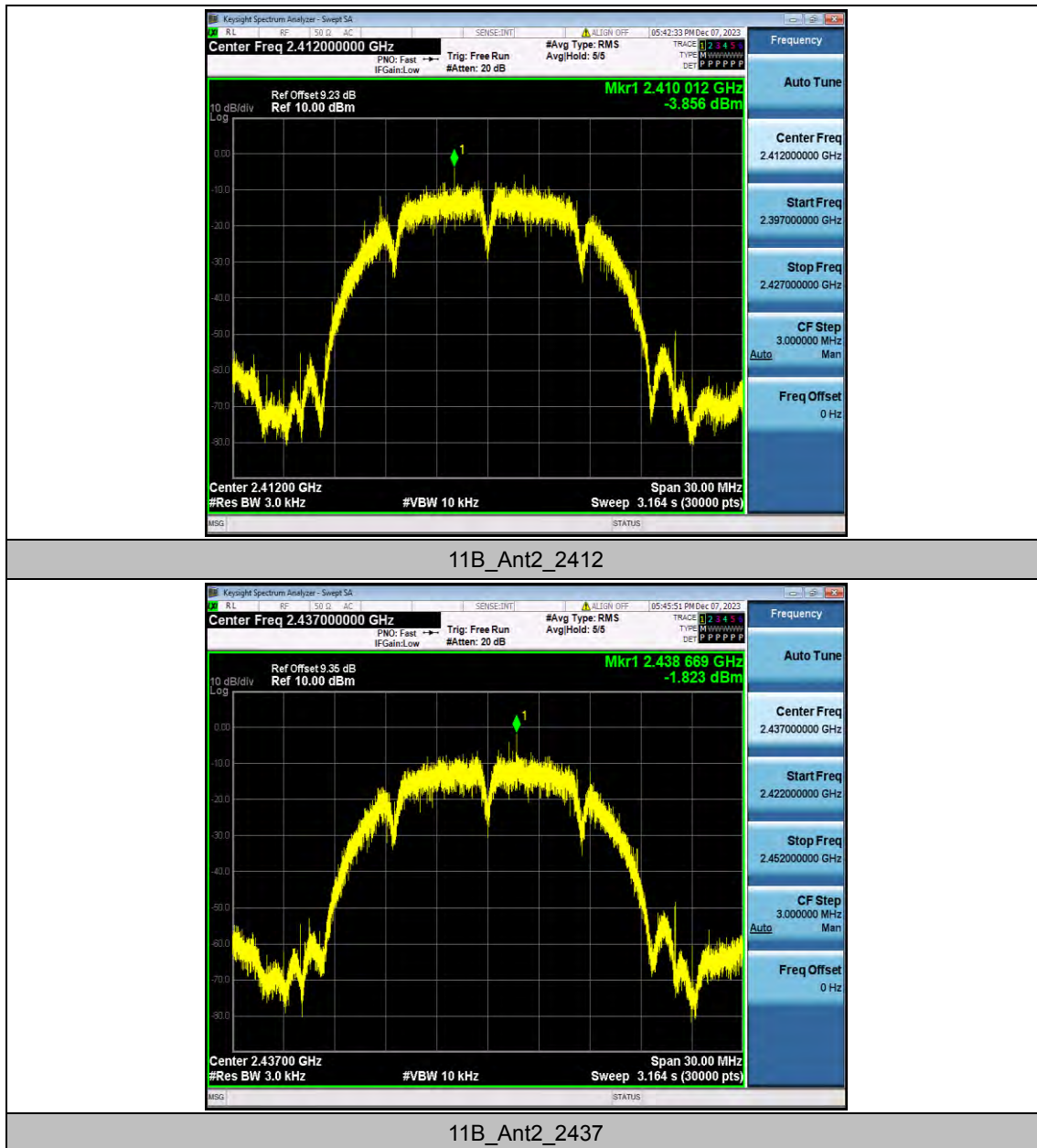
Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant2	2412	19.43	≤30.00	PASS
		2437	20.34	≤30.00	PASS
		2462	21.00	≤30.00	PASS
11G	Ant2	2412	22.69	≤30.00	PASS
		2437	23.54	≤30.00	PASS
		2462	24.10	≤30.00	PASS
11N20SISO	Ant2	2412	18.01	≤30.00	PASS
		2437	18.81	≤30.00	PASS
		2462	19.40	≤30.00	PASS
11N40SISO	Ant2	2422	18.19	≤30.00	PASS
		2437	18.81	≤30.00	PASS
		2452	19.19	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

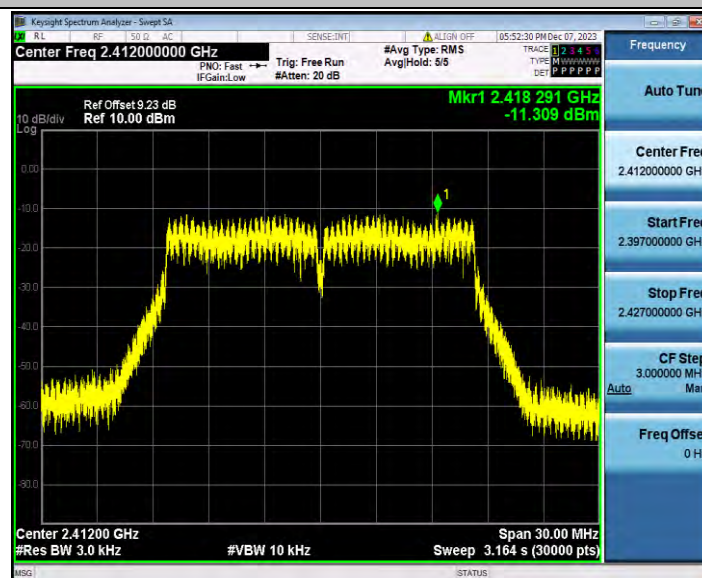
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant2	2412	-3.86	≤8.00	PASS
		2437	-1.82	≤8.00	PASS
		2462	-4.1	≤8.00	PASS
11G	Ant2	2412	-11.31	≤8.00	PASS
		2437	-9.63	≤8.00	PASS
		2462	-9.36	≤8.00	PASS
11N20SISO	Ant2	2412	-15.55	≤8.00	PASS
		2437	-14.89	≤8.00	PASS
		2462	-13.88	≤8.00	PASS
11N40SISO	Ant2	2422	-17.38	≤8.00	PASS
		2437	-17.04	≤8.00	PASS
		2452	-16.79	≤8.00	PASS

Test Graphs

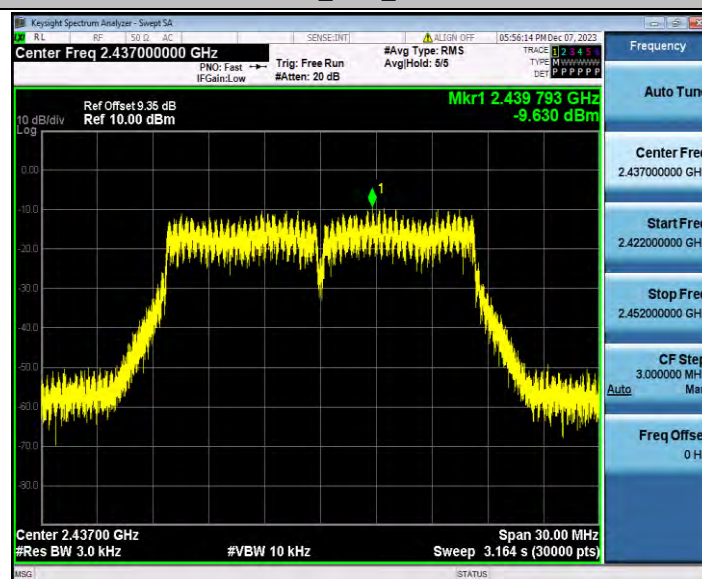




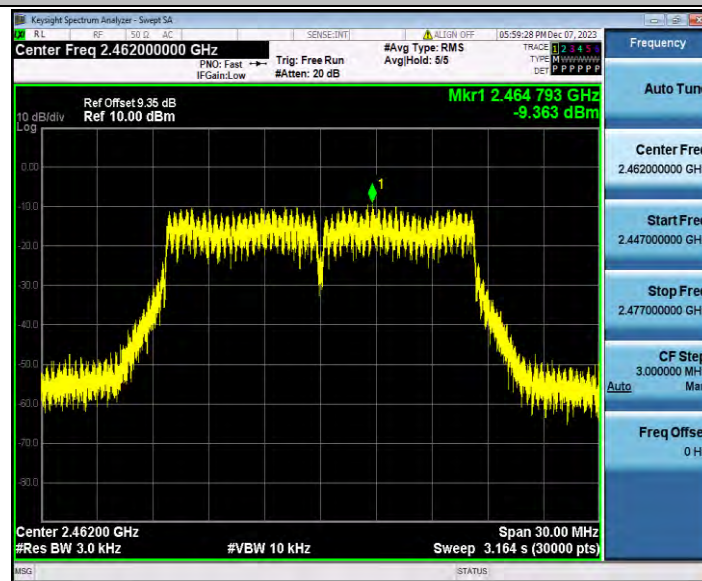
11B_Ant2_2462



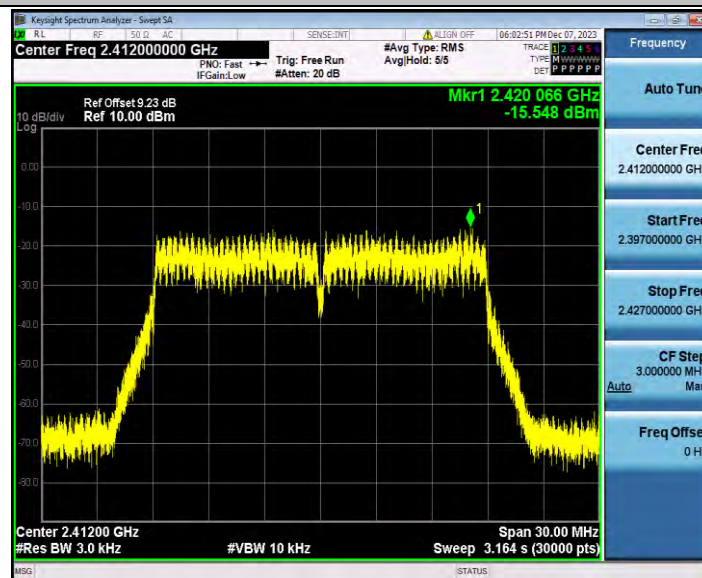
11G_Ant2_2412



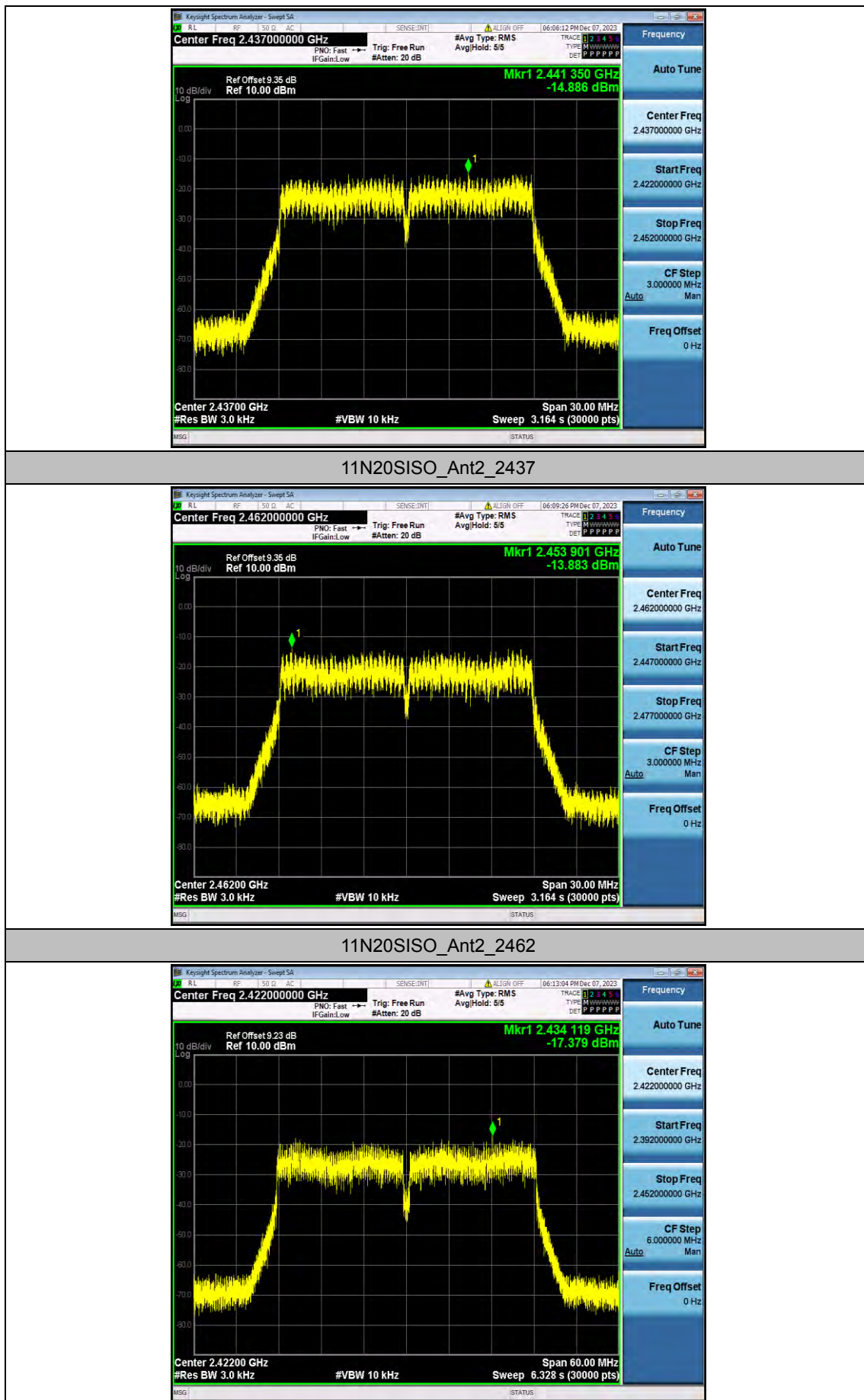
11G_Ant2_2437



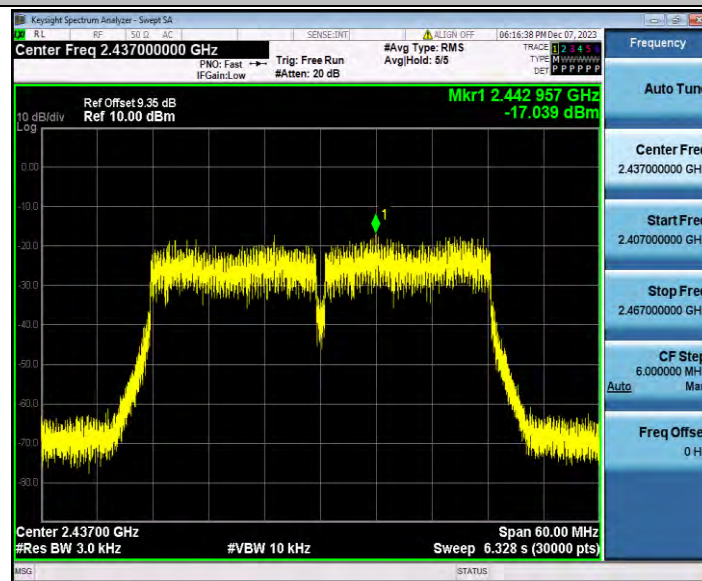
11G_Ant2_2462



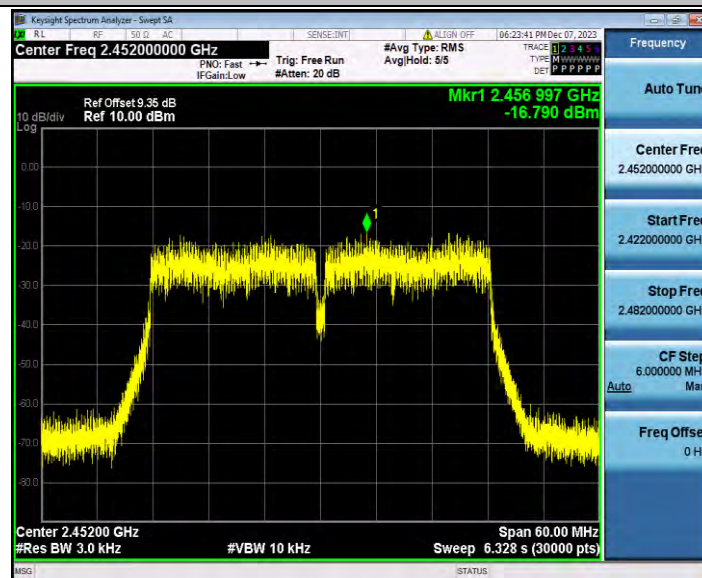
11N20SISO_Ant2_2412



11N40SISO_Ant2_2422



11N40SISO_Ant2_2437



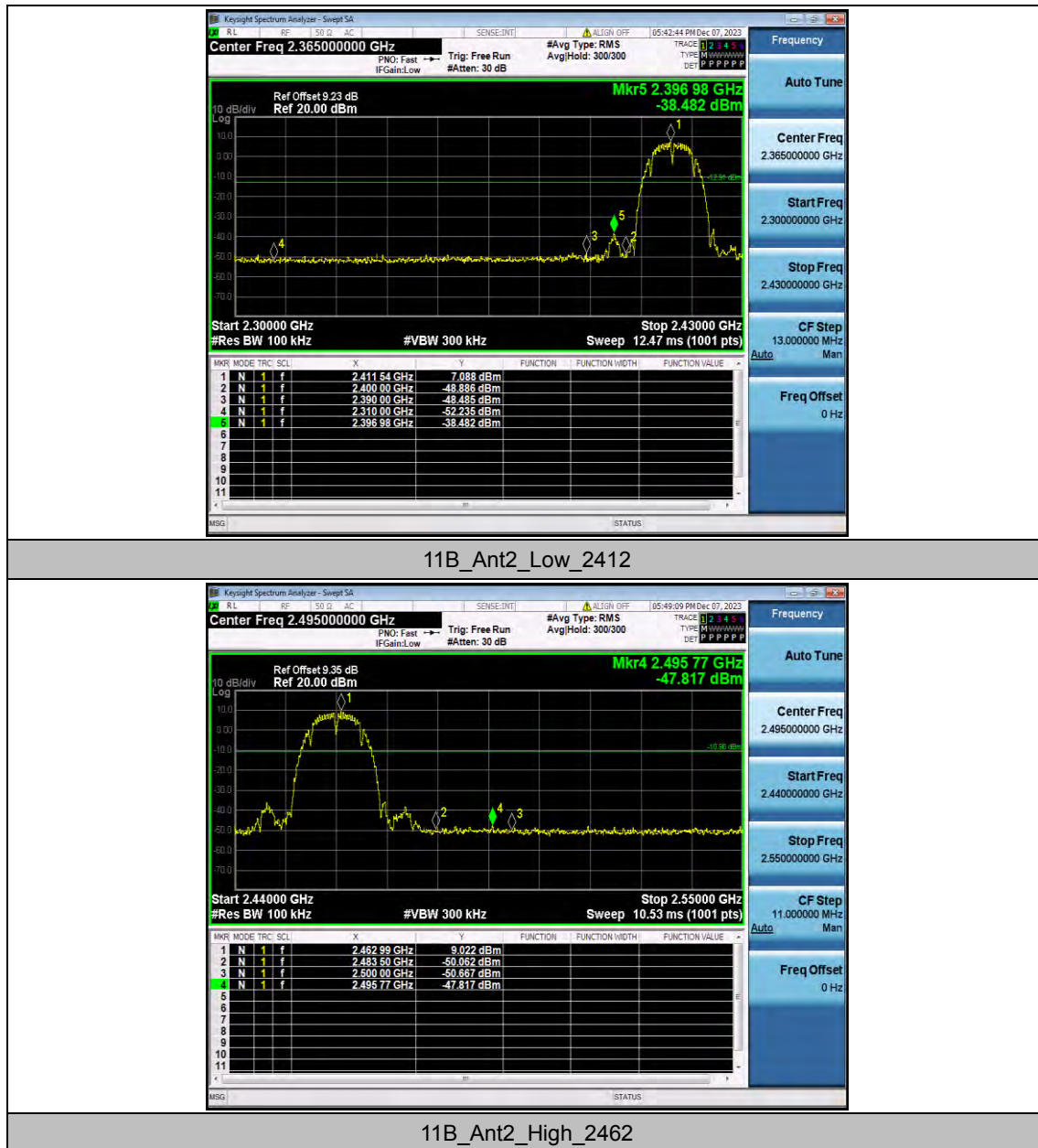
11N40SISO_Ant2_2452

Appendix C.5: Band edge measurements

Test Result

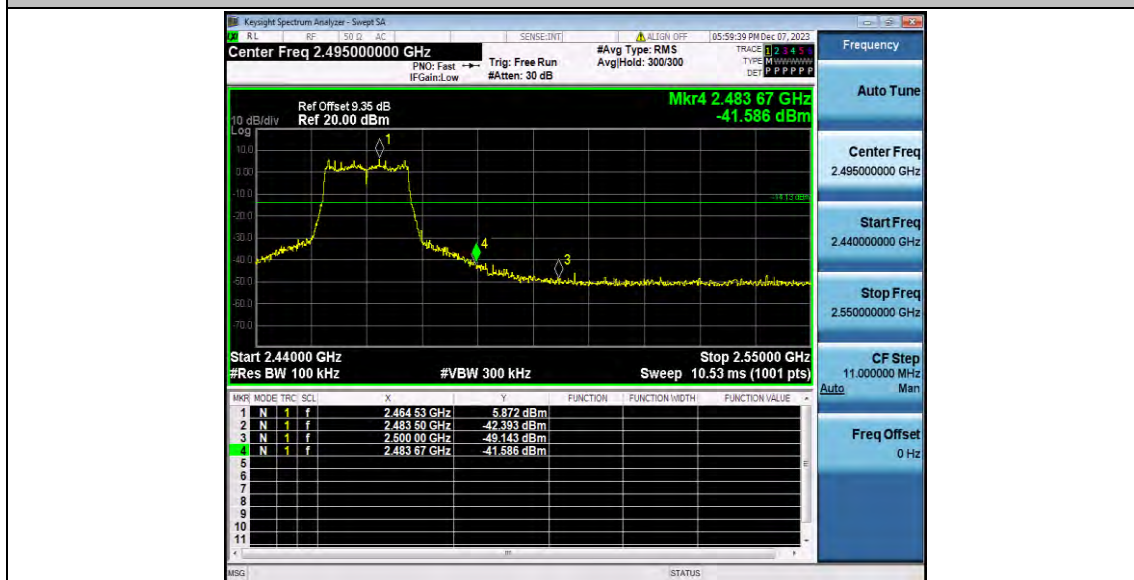
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	7.09	-38.48	≤ -12.91	PASS
		High	2462	9.02	-47.82	≤ -10.98	PASS
11G	Ant2	Low	2412	4.10	-34.06	≤ -15.9	PASS
		High	2462	5.87	-41.59	≤ -14.13	PASS
11N20SISO	Ant2	Low	2412	-0.39	-40.69	≤ -20.39	PASS
		High	2462	1.28	-41.43	≤ -18.72	PASS
11N40SISO	Ant2	Low	2422	-3.02	-40.3	≤ -23.02	PASS
		High	2452	-1.51	-44.55	≤ -21.51	PASS

Test Graphs





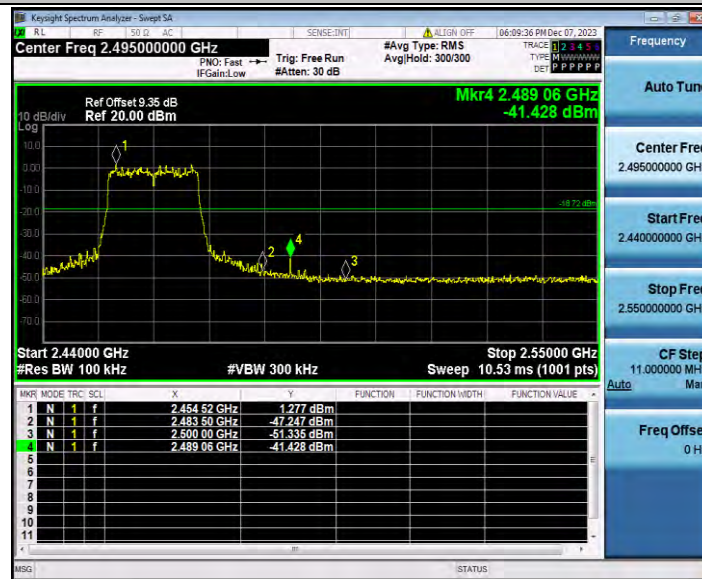
11G_Ant2_Low_2412



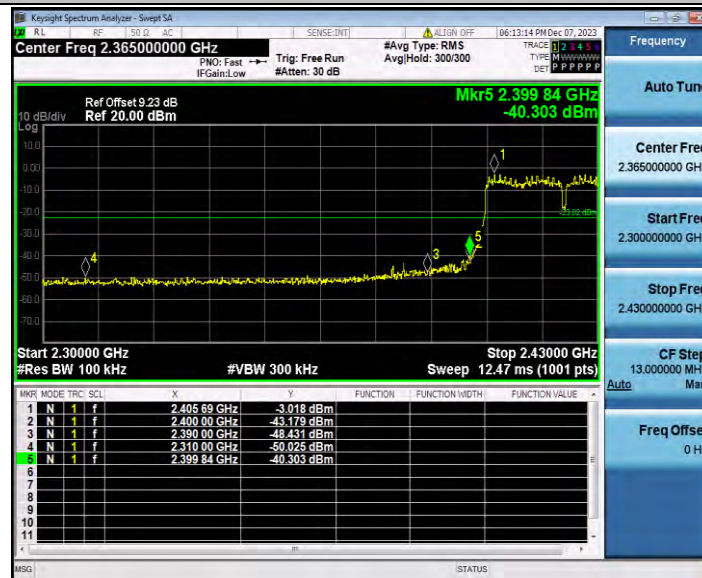
11G_Ant2_High_2462



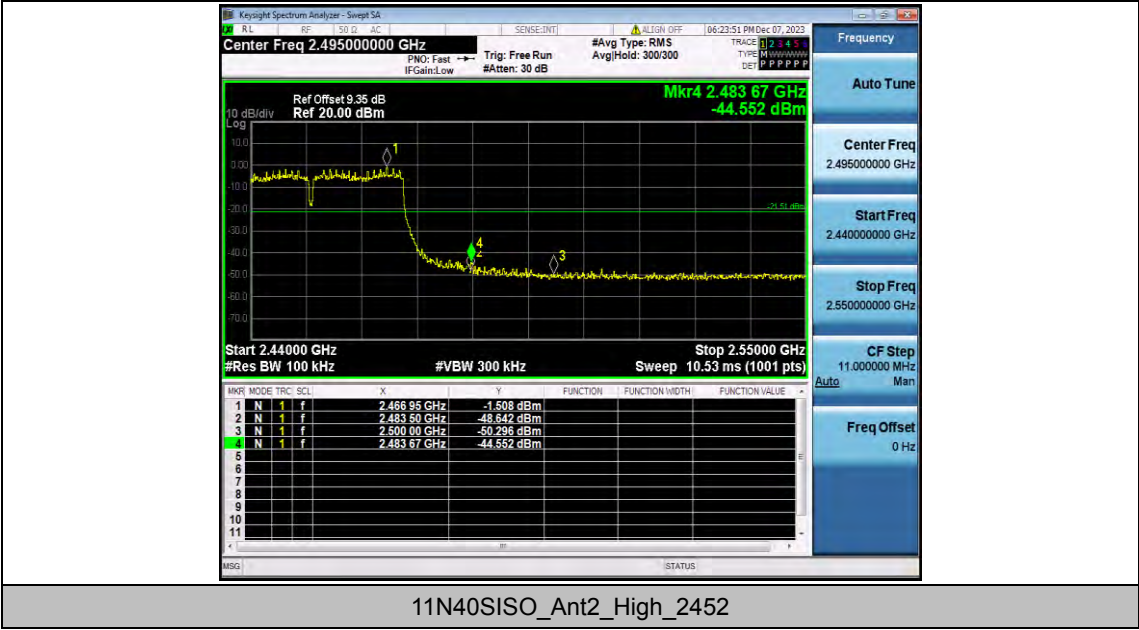
11N20SISO_Ant2_Low_2412



11N20SISO_Ant2_High_2462



11N40SISO_Ant2_Low_2422

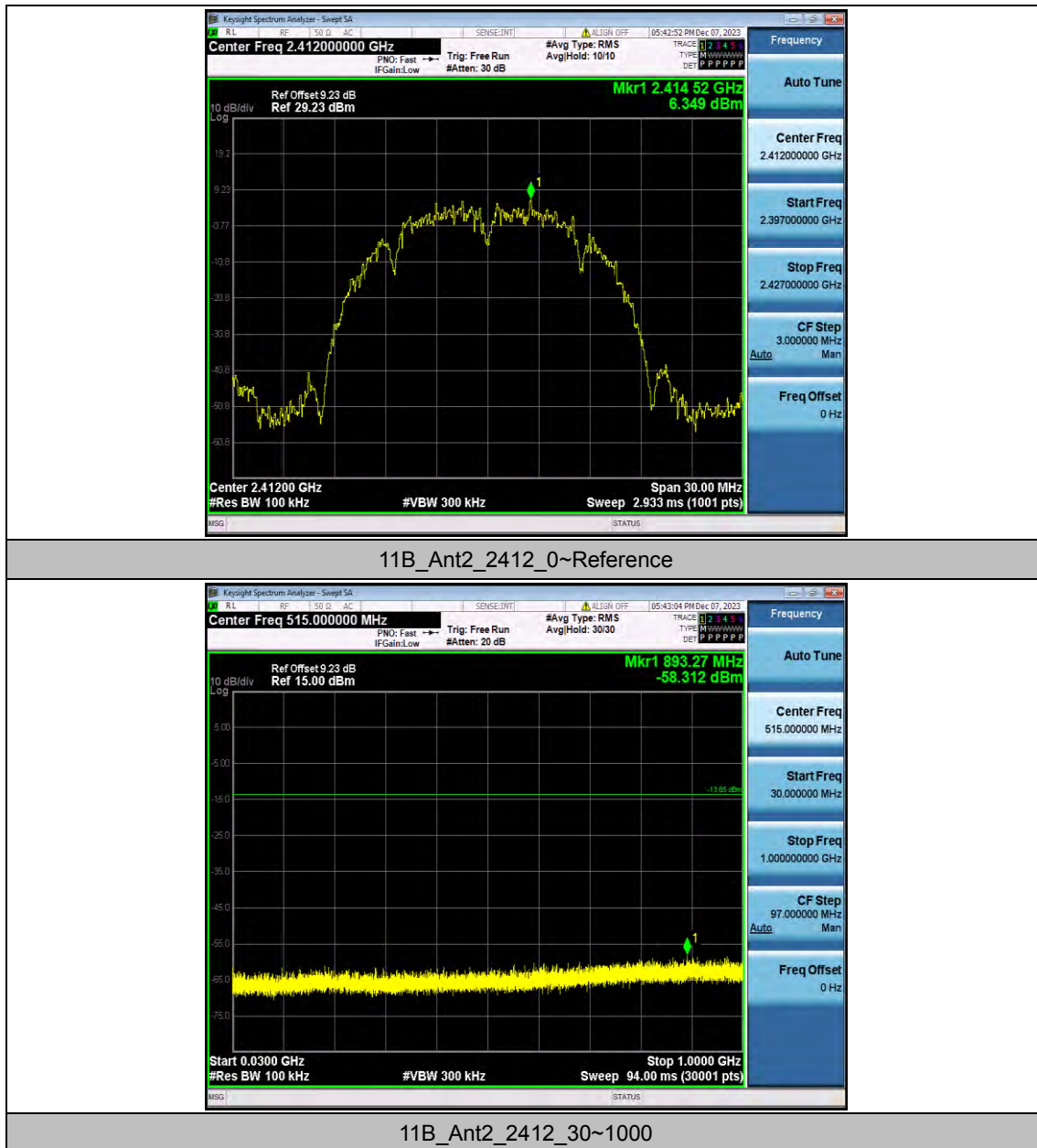


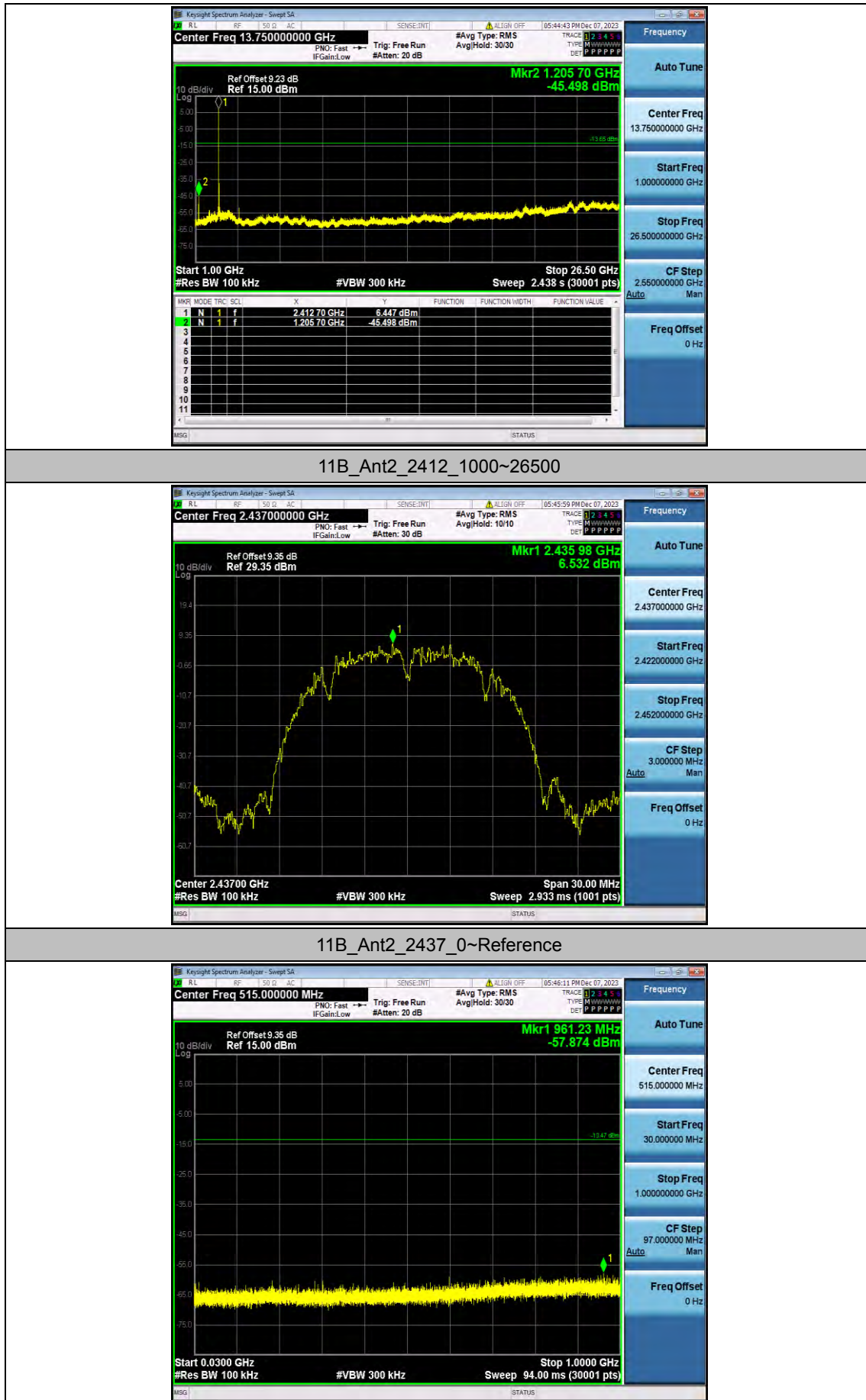
Appendix C.6: Conducted Spurious Emission

Test Result

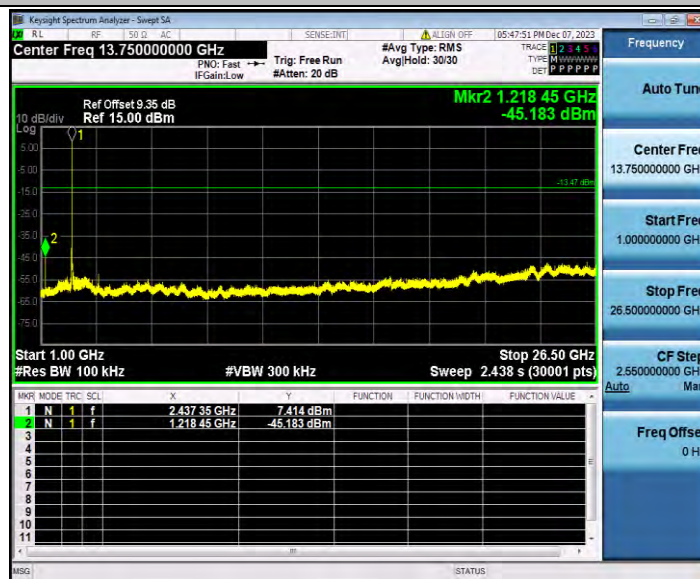
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	Reference	6.35	6.35	---	PASS
			30~1000	6.35	-58.31	≤ -13.65	PASS
			1000~26500	6.35	-45.5	≤ -13.65	PASS
		2437	Reference	6.53	6.53	---	PASS
			30~1000	6.53	-57.87	≤ -13.47	PASS
			1000~26500	6.53	-45.18	≤ -13.47	PASS
		2462	Reference	6.97	6.97	---	PASS
			30~1000	6.97	-58.04	≤ -13.03	PASS
			1000~26500	6.97	-45.53	≤ -13.03	PASS
11G	Ant2	2412	Reference	1.12	1.12	---	PASS
			30~1000	1.12	-57.48	≤ -18.88	PASS
			1000~26500	1.12	-46.3	≤ -18.88	PASS
		2437	Reference	2.07	2.07	---	PASS
			30~1000	2.07	-57.92	≤ -17.93	PASS
			1000~26500	2.07	-46.66	≤ -17.93	PASS
		2462	Reference	5.64	5.64	---	PASS
			30~1000	5.64	-58.29	≤ -14.36	PASS
			1000~26500	5.64	-46.37	≤ -14.36	PASS
11N20SISO	Ant2	2412	Reference	-2.25	-2.25	---	PASS
			30~1000	-2.25	-58.41	≤ -22.25	PASS
			1000~26500	-2.25	-47.81	≤ -22.25	PASS
		2437	Reference	-1.67	-1.67	---	PASS
			30~1000	-1.67	-52.64	≤ -21.67	PASS
			1000~26500	-1.67	-47.54	≤ -21.67	PASS
		2462	Reference	0.17	0.17	---	PASS
			30~1000	0.17	-59.22	≤ -19.83	PASS
			1000~26500	0.17	-47.99	≤ -19.83	PASS
11N40SISO	Ant2	2422	Reference	-5.11	-5.11	---	PASS
			30~1000	-5.11	-54.95	≤ -25.11	PASS
			1000~26500	-5.11	-47.68	≤ -25.11	PASS
		2437	Reference	-2.14	-2.14	---	PASS
			30~1000	-2.14	-53.31	≤ -22.14	PASS
			1000~26500	-2.14	-47.82	≤ -22.14	PASS
		2452	Reference	-2.29	-2.29	---	PASS
			30~1000	-2.29	-55.43	≤ -22.29	PASS
			1000~26500	-2.29	-47.24	≤ -22.29	PASS

Test Graphs





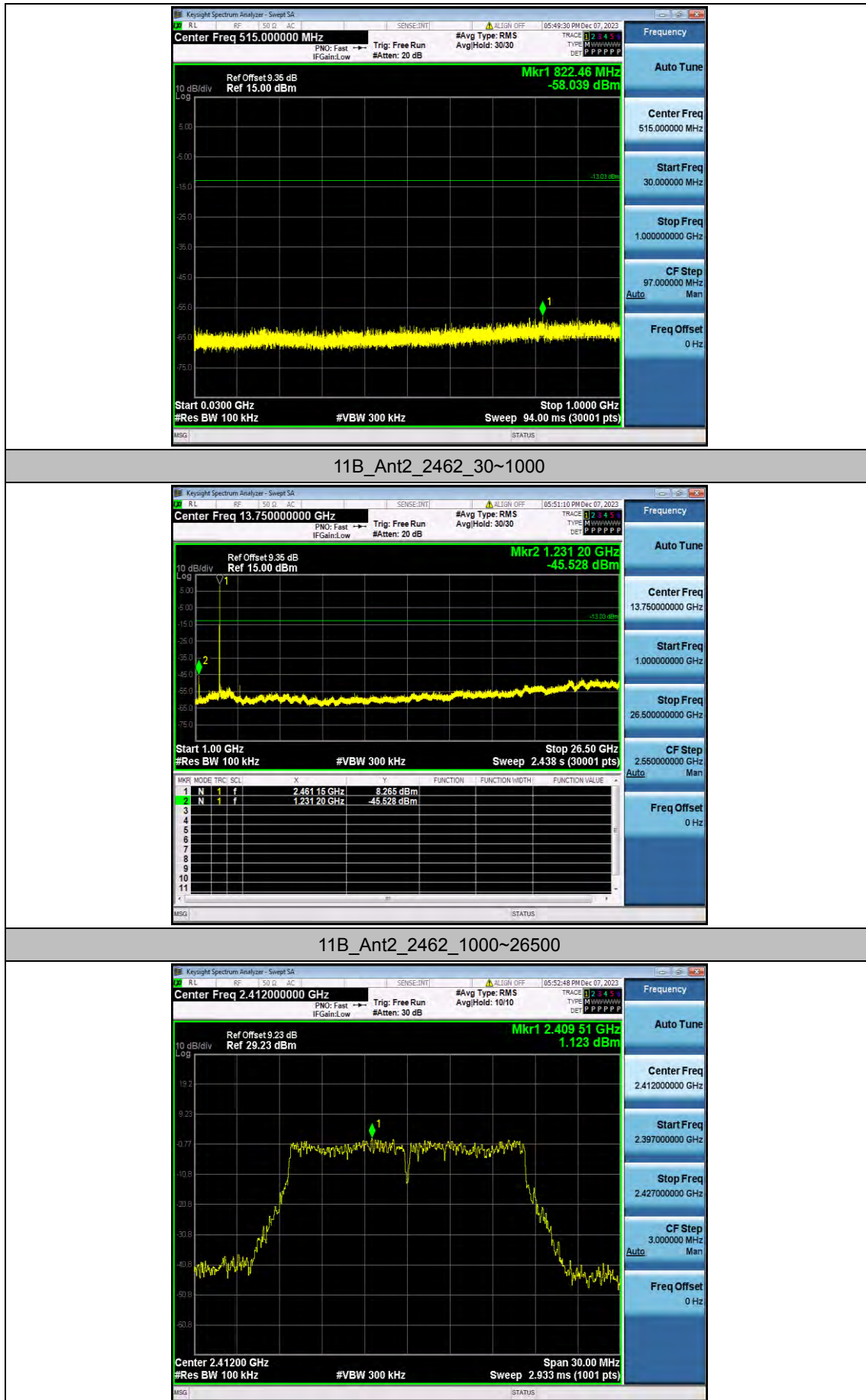
11B_Ant2_2437_30~1000

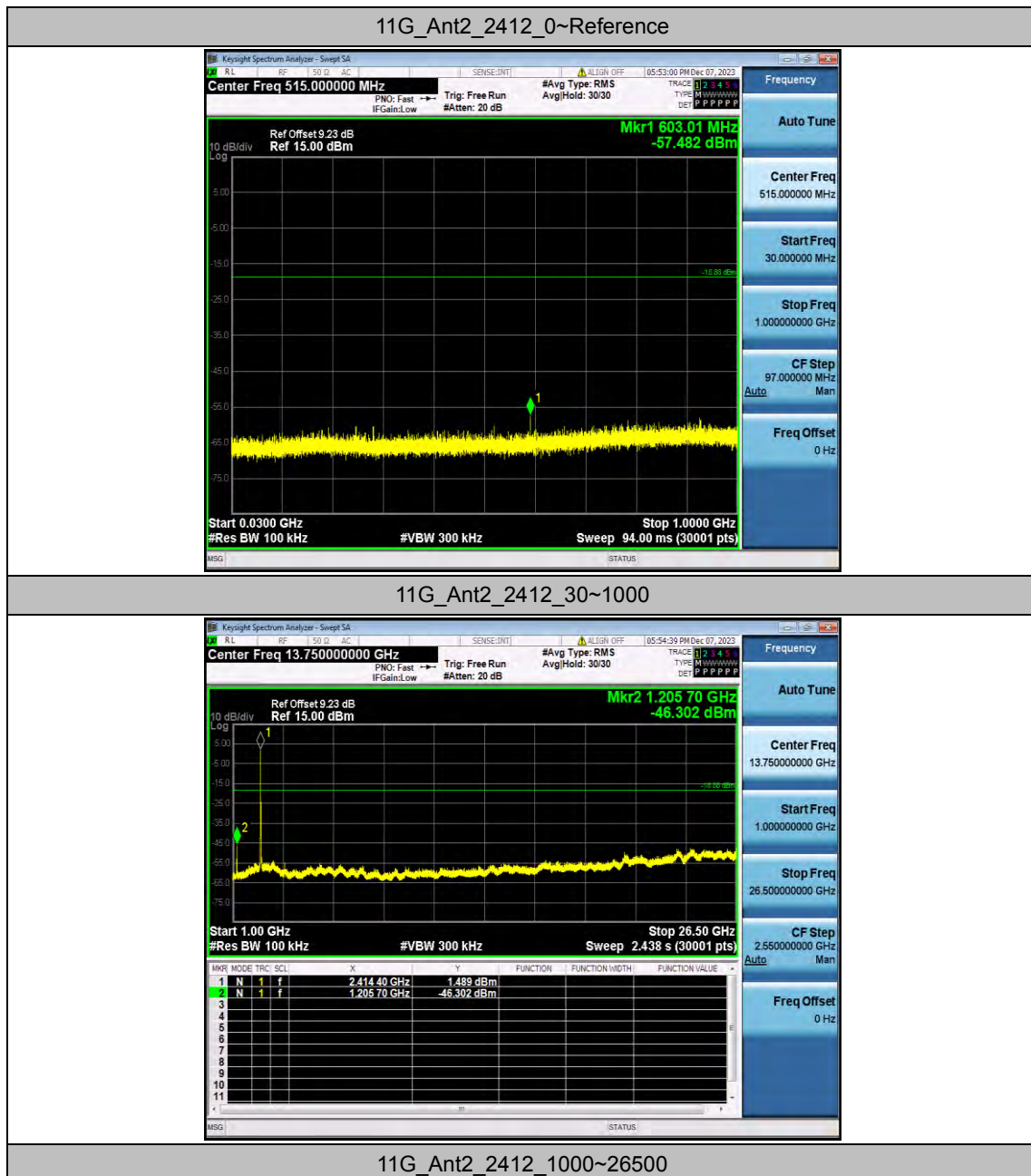


11B_Ant2_2437_1000~26500



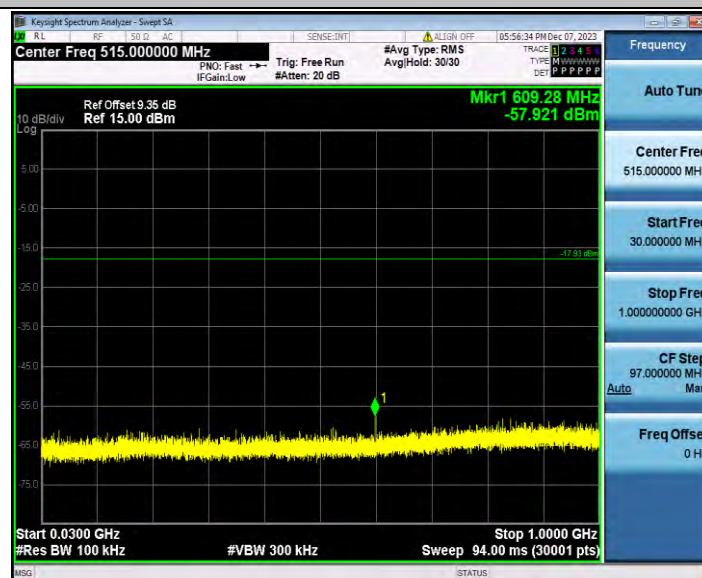
11B_Ant2_2462_0~Reference







11G_Ant2_2437_0~Reference



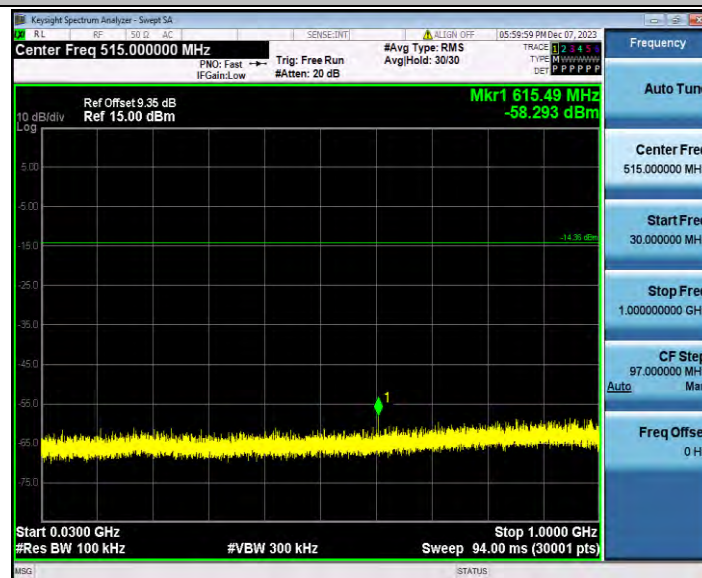
11G_Ant2_2437_30~1000



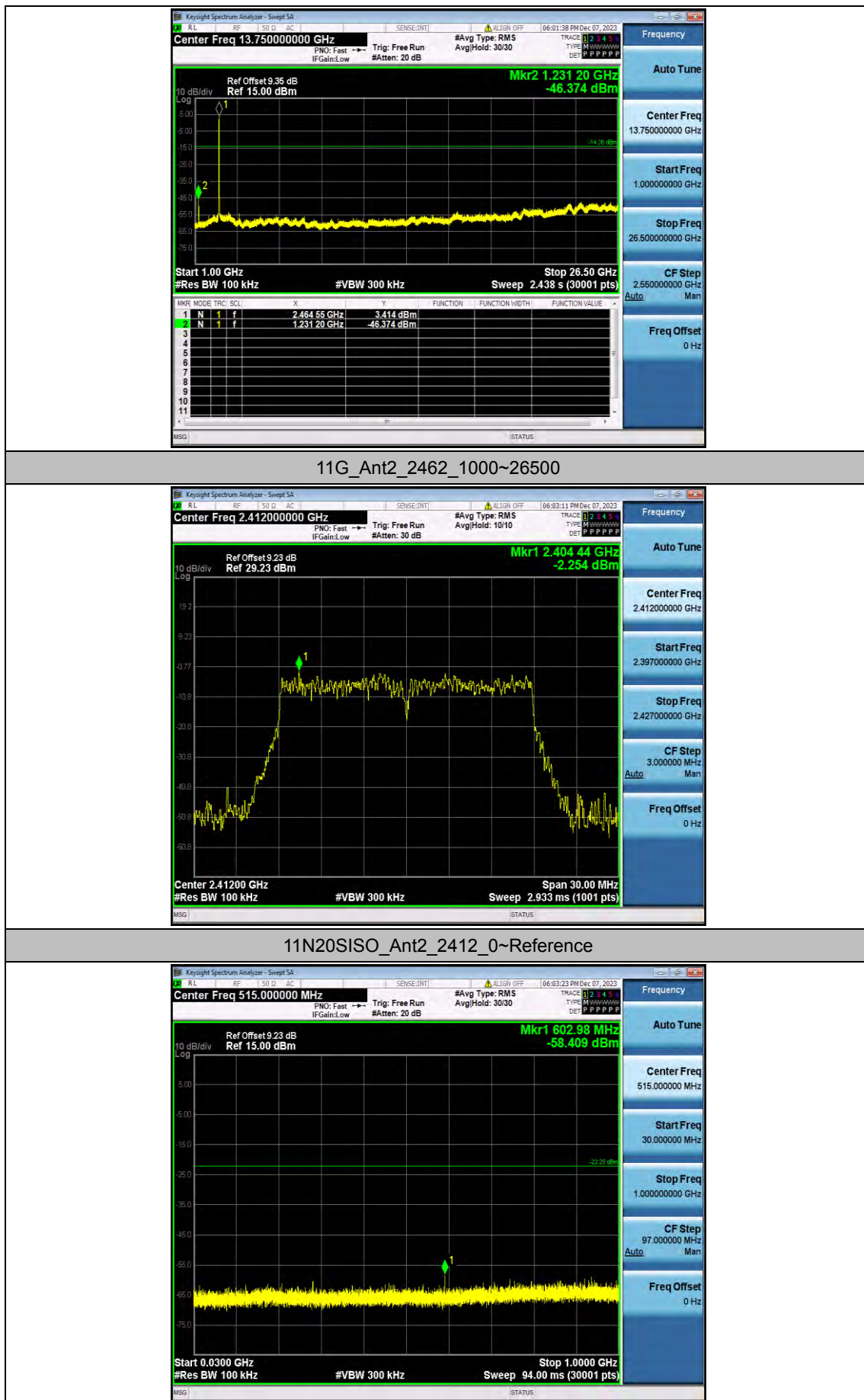
11G_Ant2_2437_1000~26500



11G_Ant2_2462_0~Reference



11G_Ant2_2462_30~1000



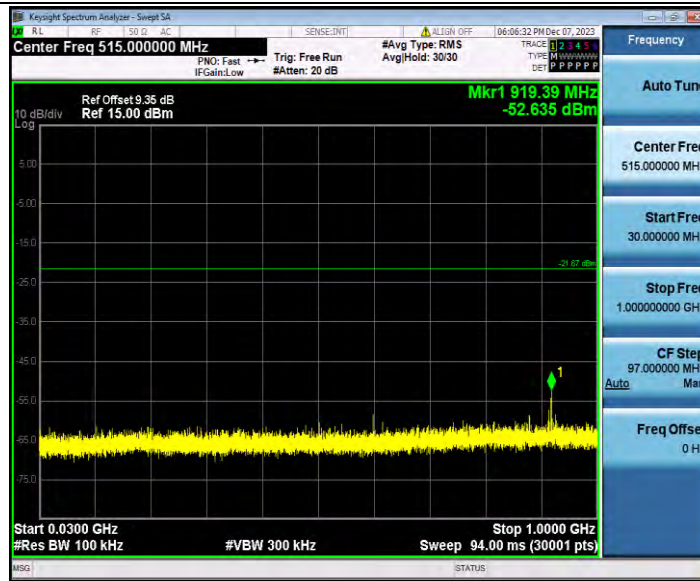
11N20SISO_Ant2_2412_30~1000



11N20SISO_Ant2_2412_1000~26500



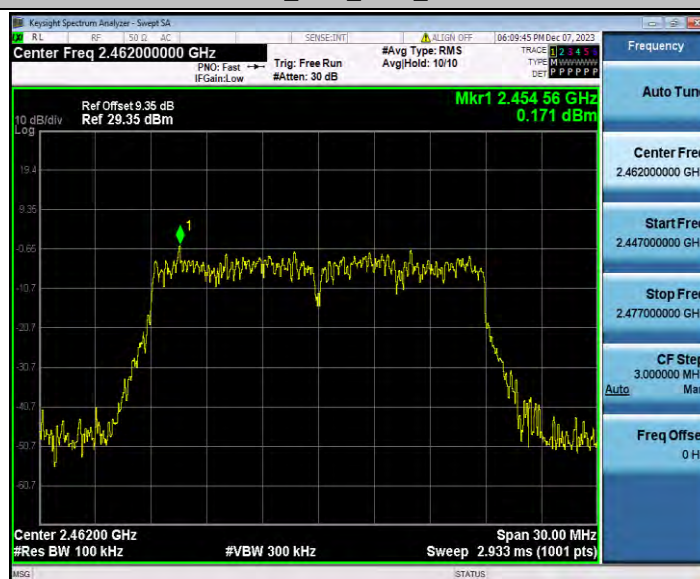
11N20SISO_Ant2_2437_0~Reference



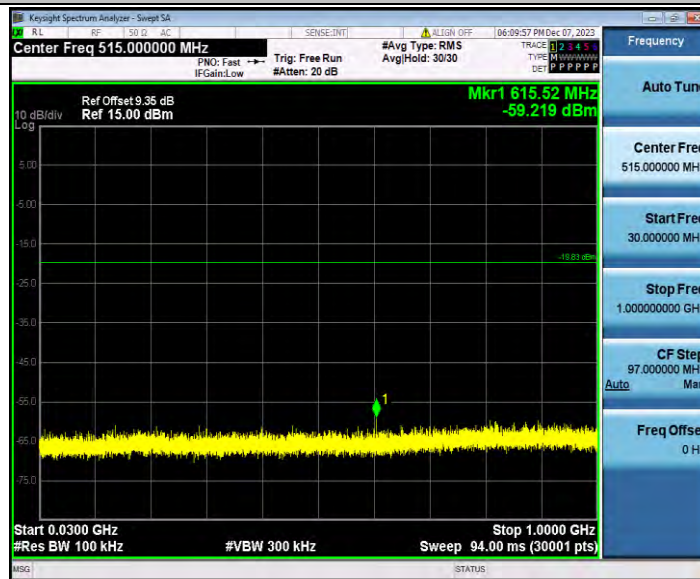
11N20SISO_Ant2_2437_30~1000



11N20SISO_Ant2_2437_1000~26500



11N20SISO_Ant2_2462_0~Reference



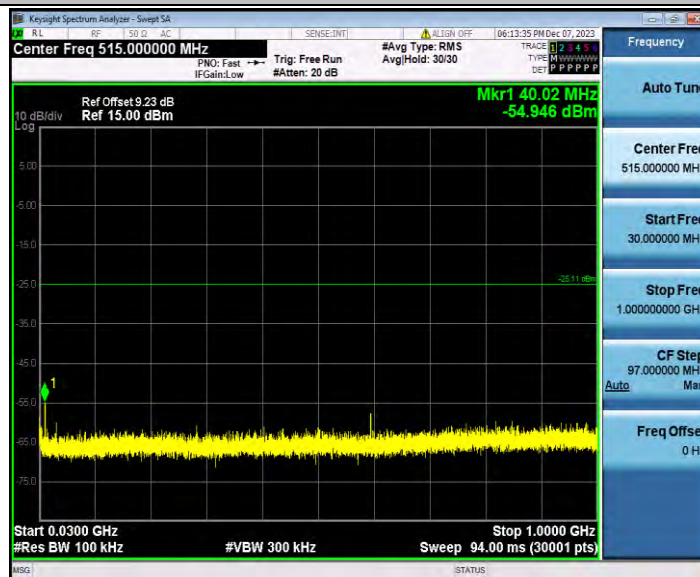
11N20SISO_Ant2_2462_30~1000



11N20SISO_Ant2_2462_1000~26500



11N40SISO_Ant2_2422_0~Reference



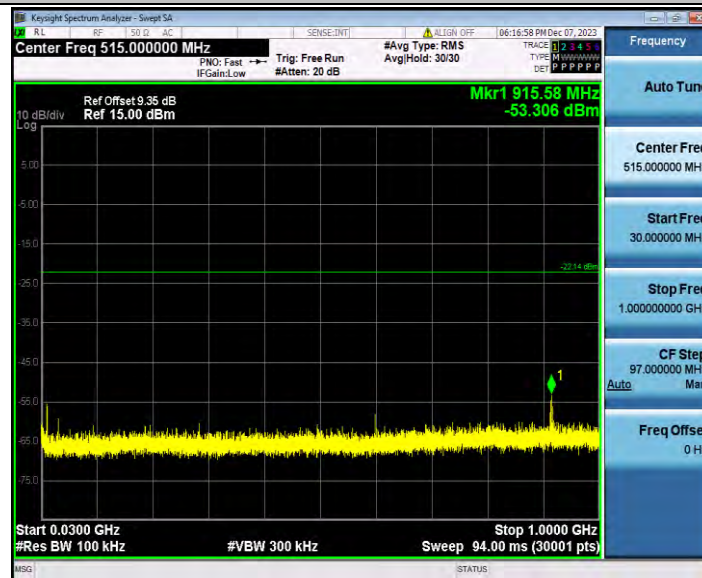
11N40SISO_Ant2_2422_30~1000



11N40SISO_Ant2_2422_1000~26500



11N40SISO_Ant2_2437_0~Reference



11N40SISO_Ant2_2437_30~1000

