

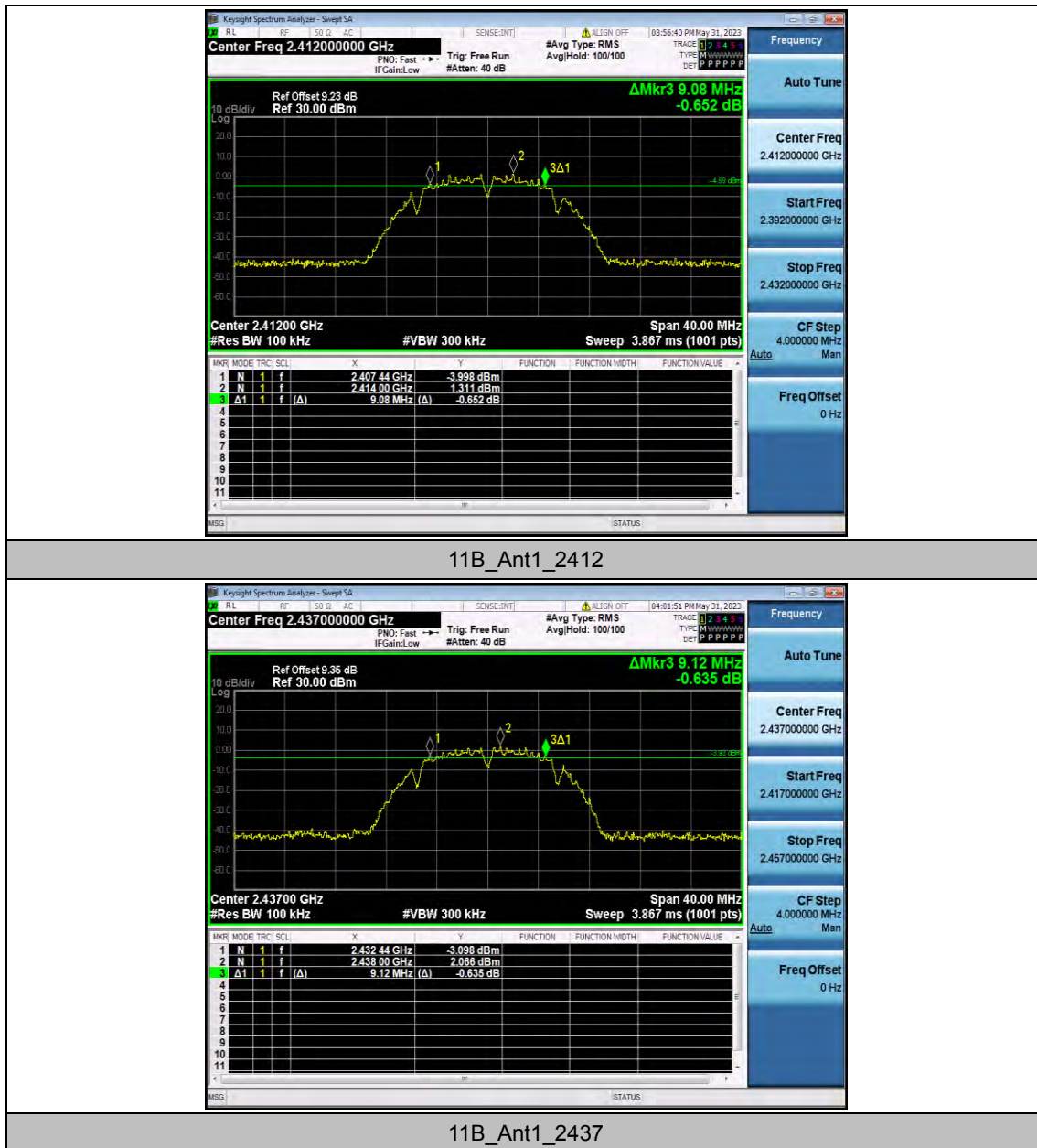
Case No. : <u>GTS20230508024-1-19</u>	
Ambient Condition: <u>24</u> °C, <u>49</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.5.30</u>	Test Engineer: <u>Jenny zeng</u>

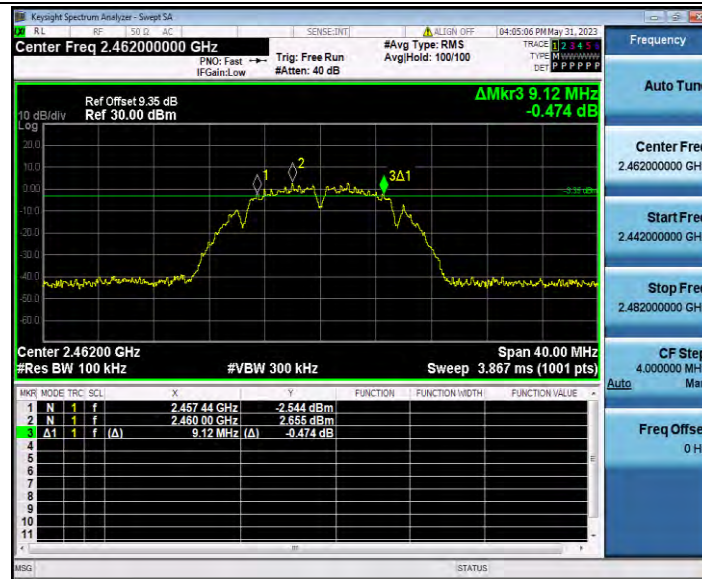
Appendix C.1: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.080	2407.440	2416.520	0.5	PASS
		2437	9.120	2432.440	2441.560	0.5	PASS
		2462	9.120	2457.440	2466.560	0.5	PASS
11G	Ant1	2412	15.360	2404.200	2419.560	0.5	PASS
		2437	15.120	2429.440	2444.560	0.5	PASS
		2462	15.040	2454.480	2469.520	0.5	PASS
11N20SISO	Ant1	2412	13.360	2406.120	2419.480	0.5	PASS
		2437	15.120	2429.440	2444.560	0.5	PASS
		2462	15.440	2454.120	2469.560	0.5	PASS
11N40SISO	Ant1	2422	35.440	2404.080	2439.520	0.5	PASS
		2437	35.120	2419.400	2454.520	0.5	PASS
		2452	35.040	2434.480	2469.520	0.5	PASS

Test Graphs





11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



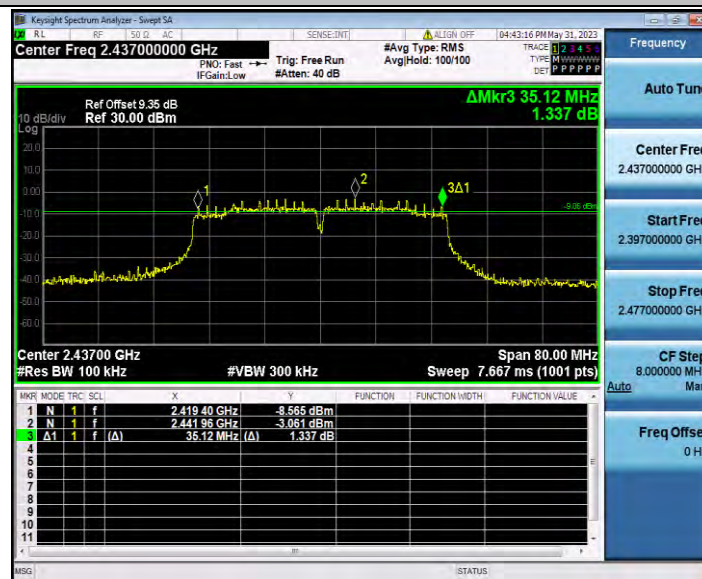
11G_Ant1_2462



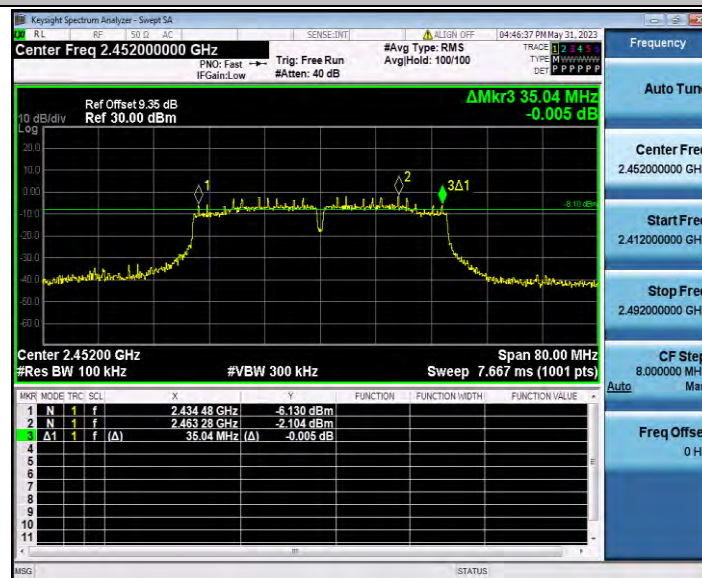
11N20SISO_Ant1_2412



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



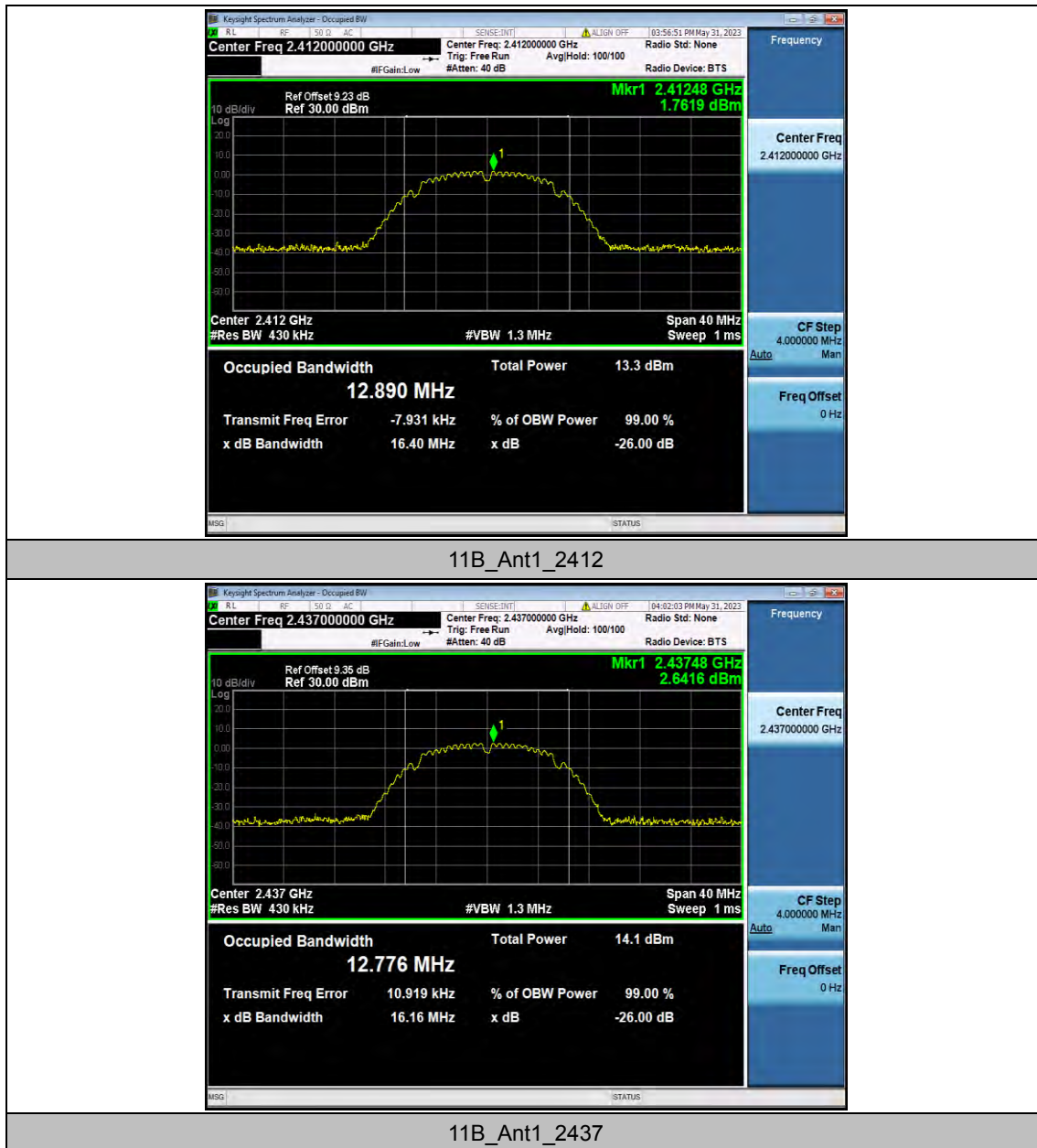
11N40SISO_Ant1_2452

Appendix C.2: Occupied Channel Bandwidth

Test Result

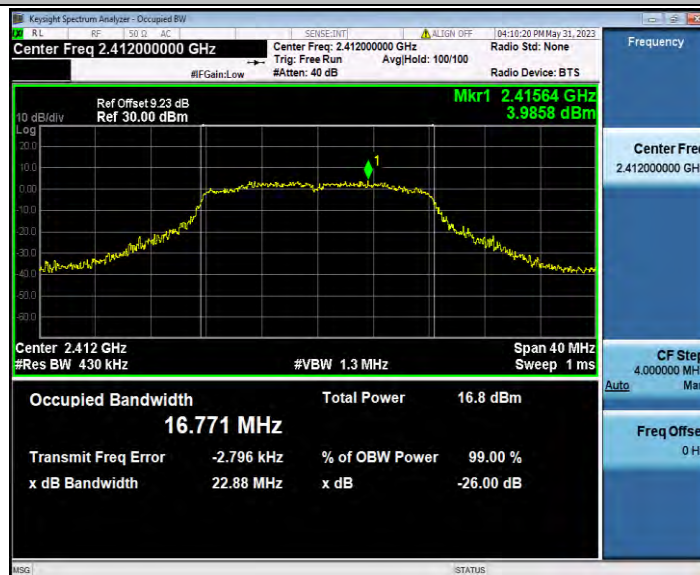
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.890	2405.547	2418.437	---	---
		2437	12.776	2430.623	2443.399	---	---
		2462	12.738	2455.622	2468.360	---	---
11G	Ant1	2412	16.771	2403.612	2420.383	---	---
		2437	16.811	2428.609	2445.420	---	---
		2462	16.835	2453.563	2470.398	---	---
11N20SISO	Ant1	2412	17.916	2403.019	2420.935	---	---
		2437	17.935	2428.080	2446.015	---	---
		2462	17.915	2453.035	2470.950	---	---
11N40SISO	Ant1	2422	36.207	2403.894	2440.101	---	---
		2437	36.235	2418.927	2455.162	---	---
		2452	36.130	2433.970	2470.100	---	---

Test Graphs





11B_Ant1_2462



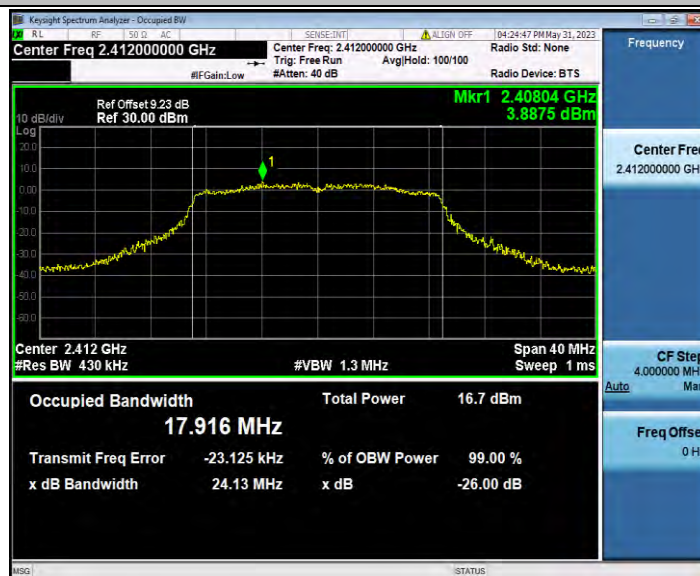
11G_Ant1_2412



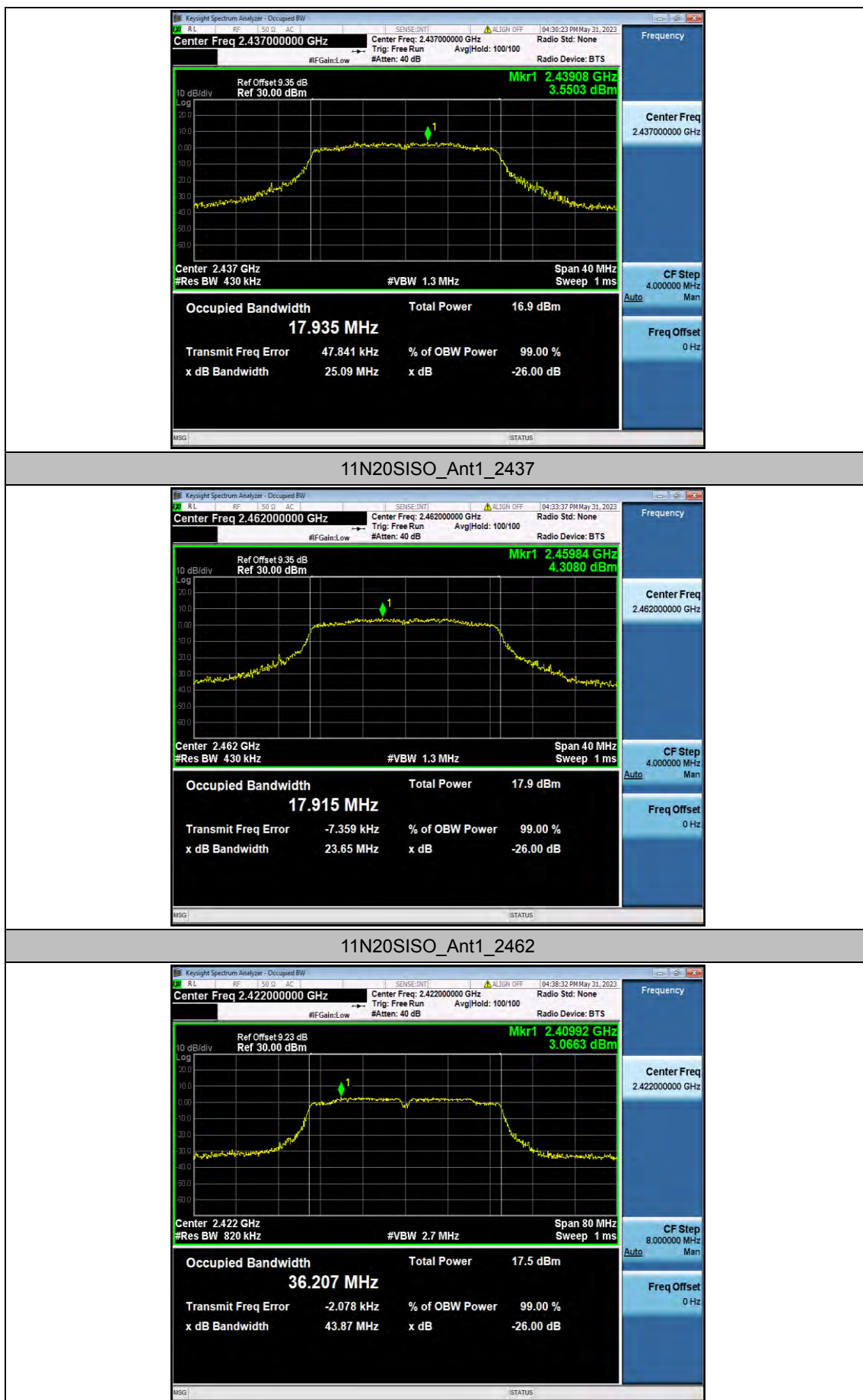
11G_Ant1_2437



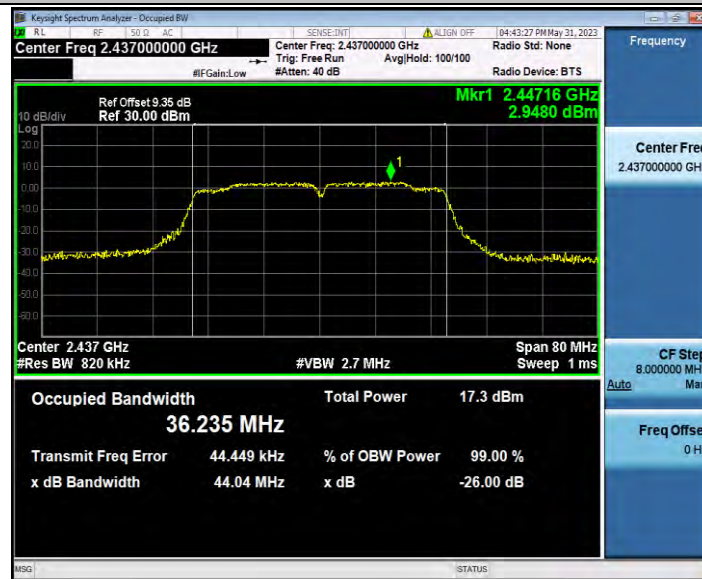
11G_Ant1_2462



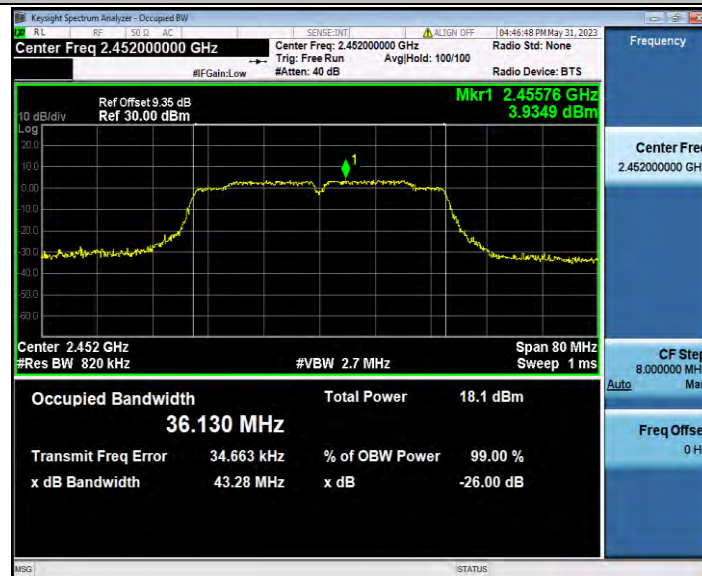
11N20SISO_Ant1_2412



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

Appendix C.3: Maximum conducted output power

Test Result Peak

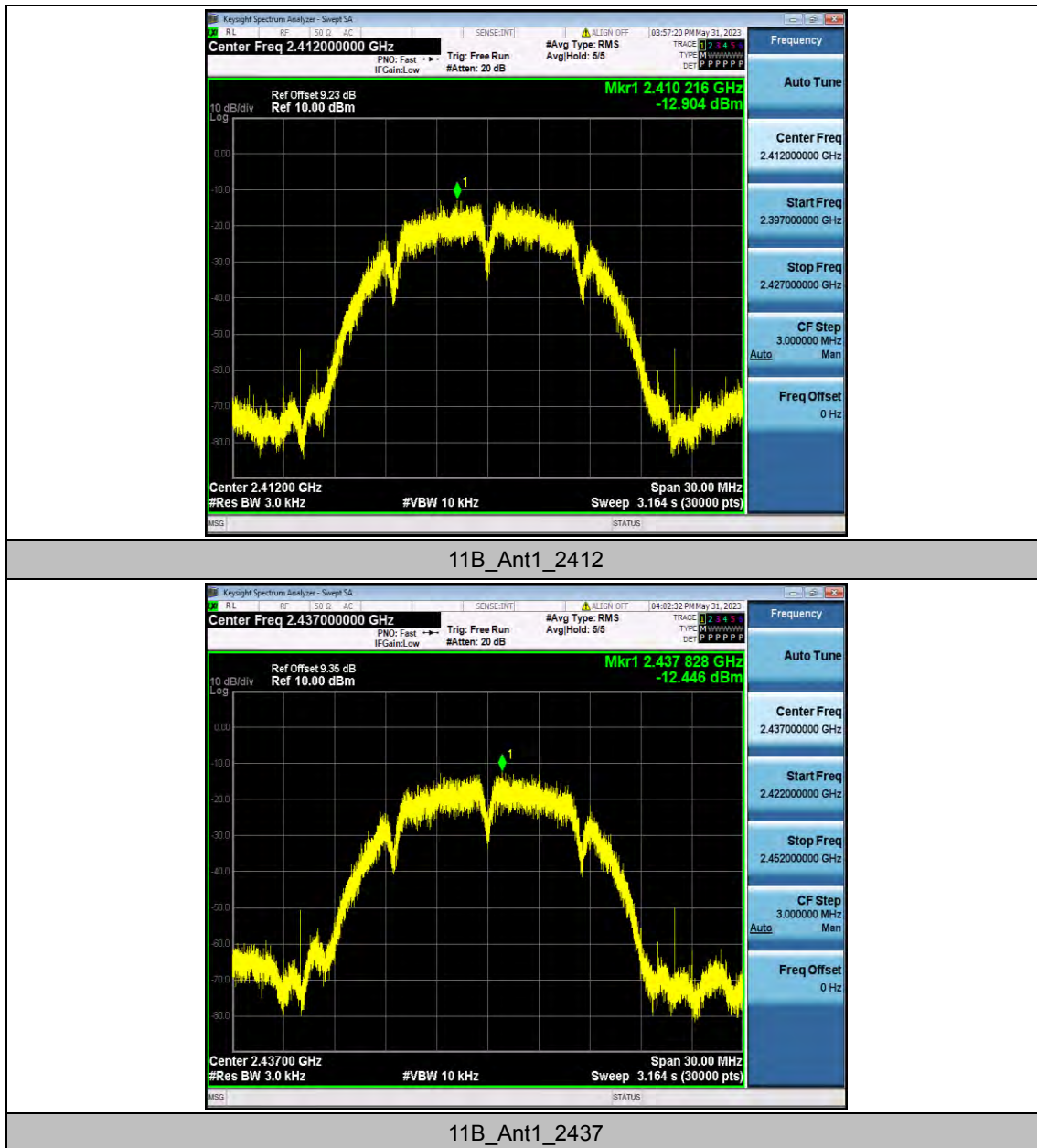
Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	17.27	≤30.00	PASS
		2437	17.14	≤30.00	PASS
		2462	17.65	≤30.00	PASS
11G	Ant1	2412	17.99	≤30.00	PASS
		2437	18.13	≤30.00	PASS
		2462	19.14	≤30.00	PASS
11N20SISO	Ant1	2412	17.98	≤30.00	PASS
		2437	18.11	≤30.00	PASS
		2462	19.09	≤30.00	PASS
11N40SISO	Ant1	2422	17.77	≤30.00	PASS
		2437	17.63	≤30.00	PASS
		2452	18.35	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

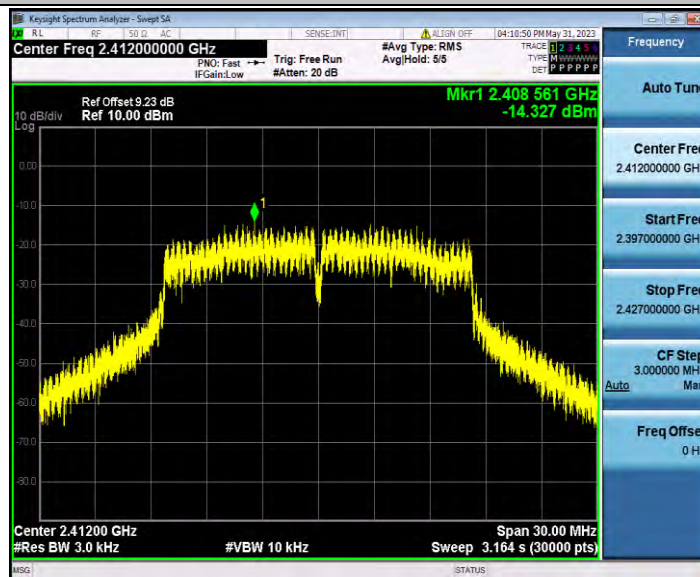
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.9	≤8.00	PASS
		2437	-12.45	≤8.00	PASS
		2462	-10.47	≤8.00	PASS
11G	Ant1	2412	-14.33	≤8.00	PASS
		2437	-13.89	≤8.00	PASS
		2462	-12.91	≤8.00	PASS
11N20SISO	Ant1	2412	-14.17	≤8.00	PASS
		2437	-12.82	≤8.00	PASS
		2462	-13.25	≤8.00	PASS
11N40SISO	Ant1	2422	-17.17	≤8.00	PASS
		2437	-18.31	≤8.00	PASS
		2452	-16.28	≤8.00	PASS

Test Graphs

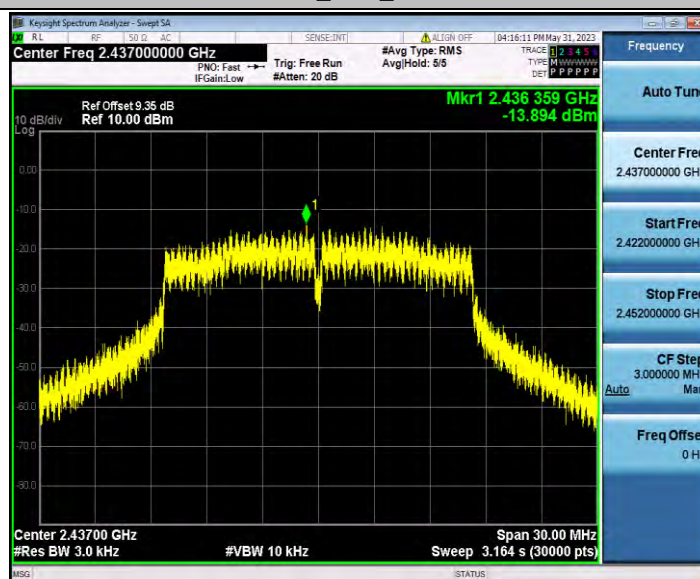




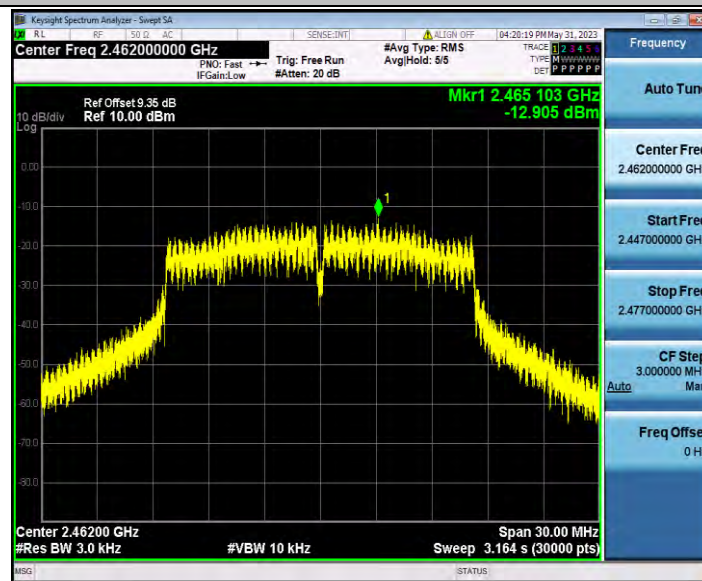
11B_Ant1_2462



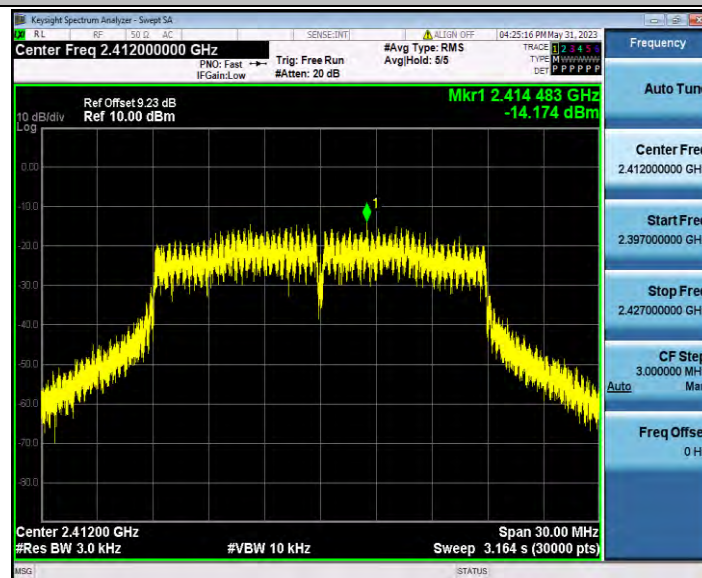
11G_Ant1_2412



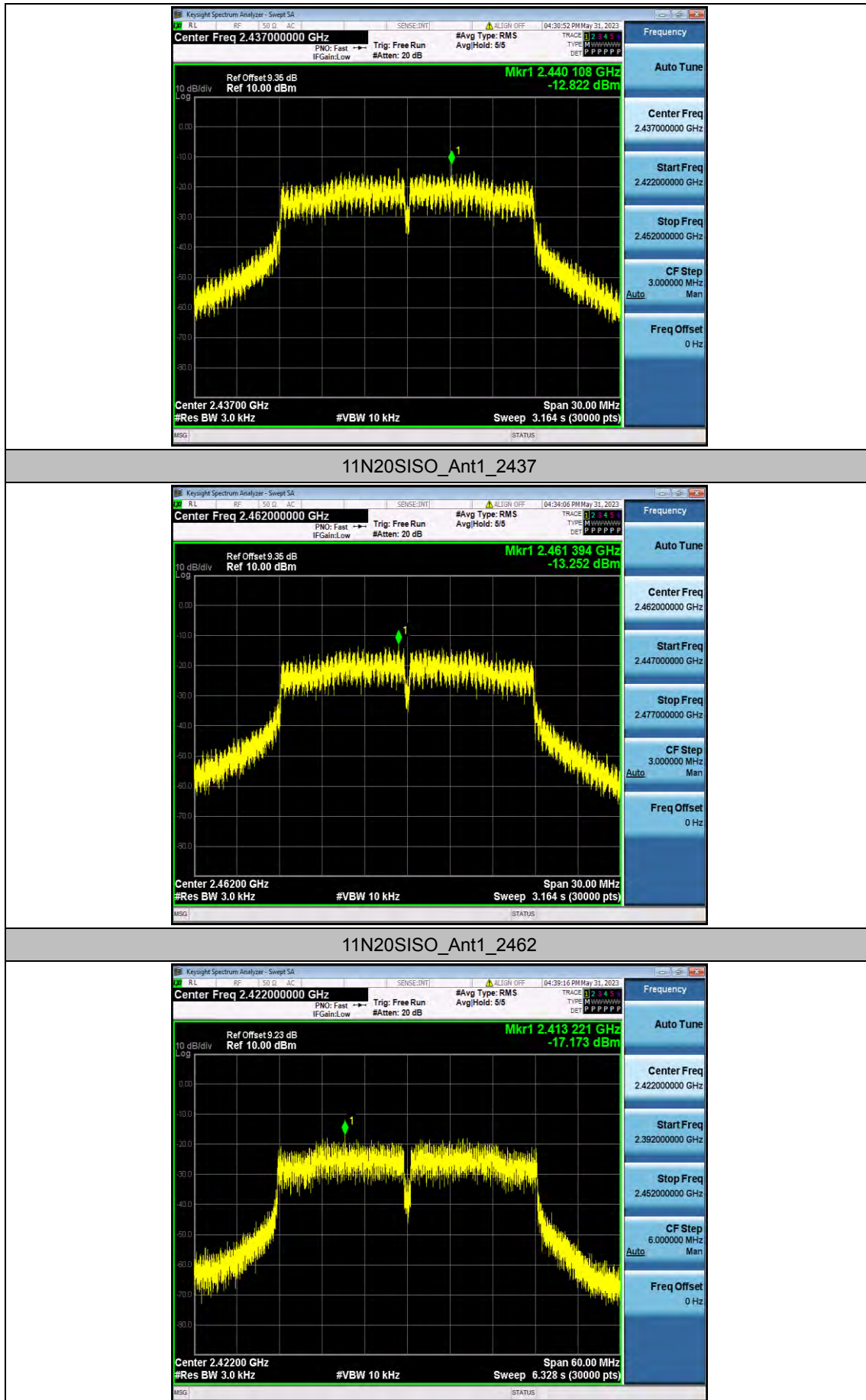
11G_Ant1_2437



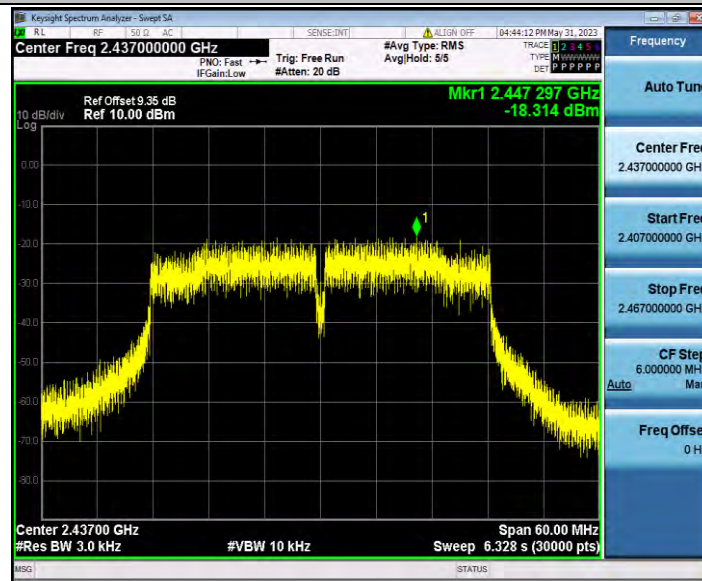
11G_Ant1_2462



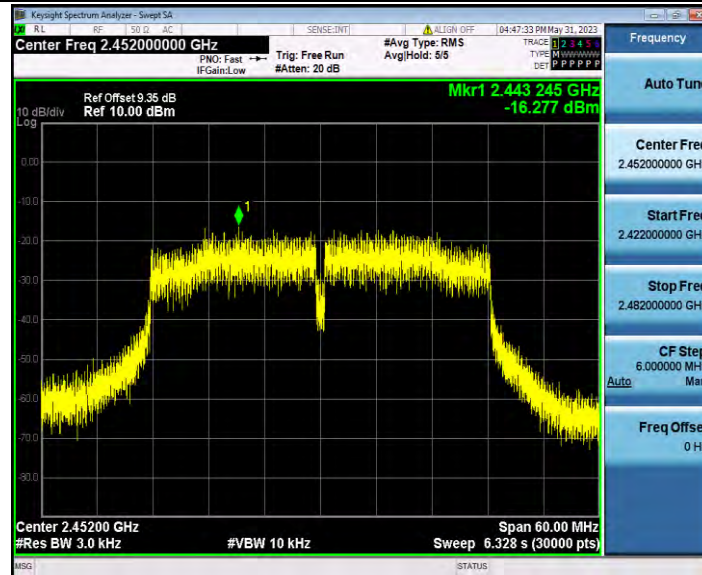
11N20SISO_Ant1_2412



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



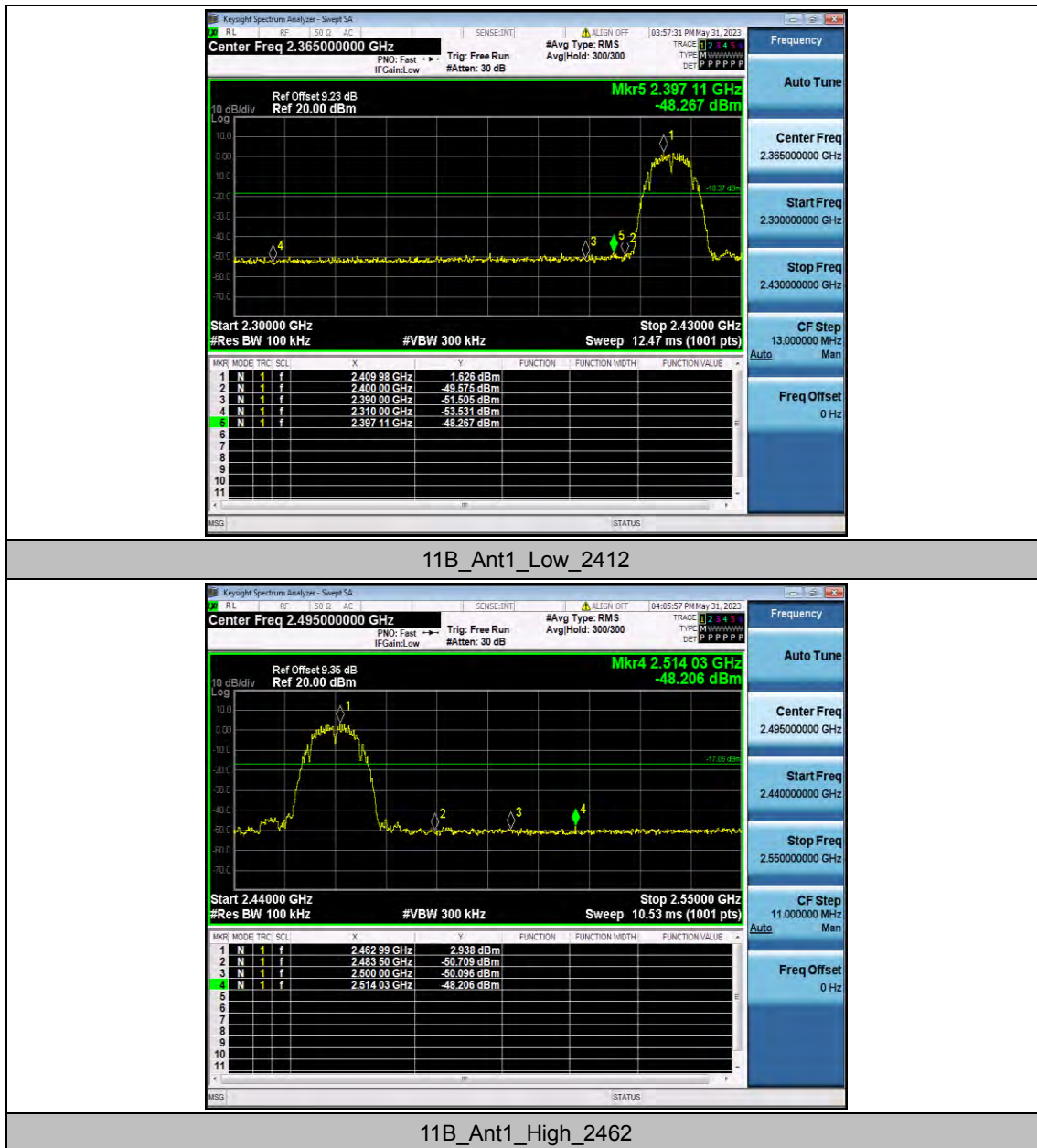
11N40SISO_Ant1_2452

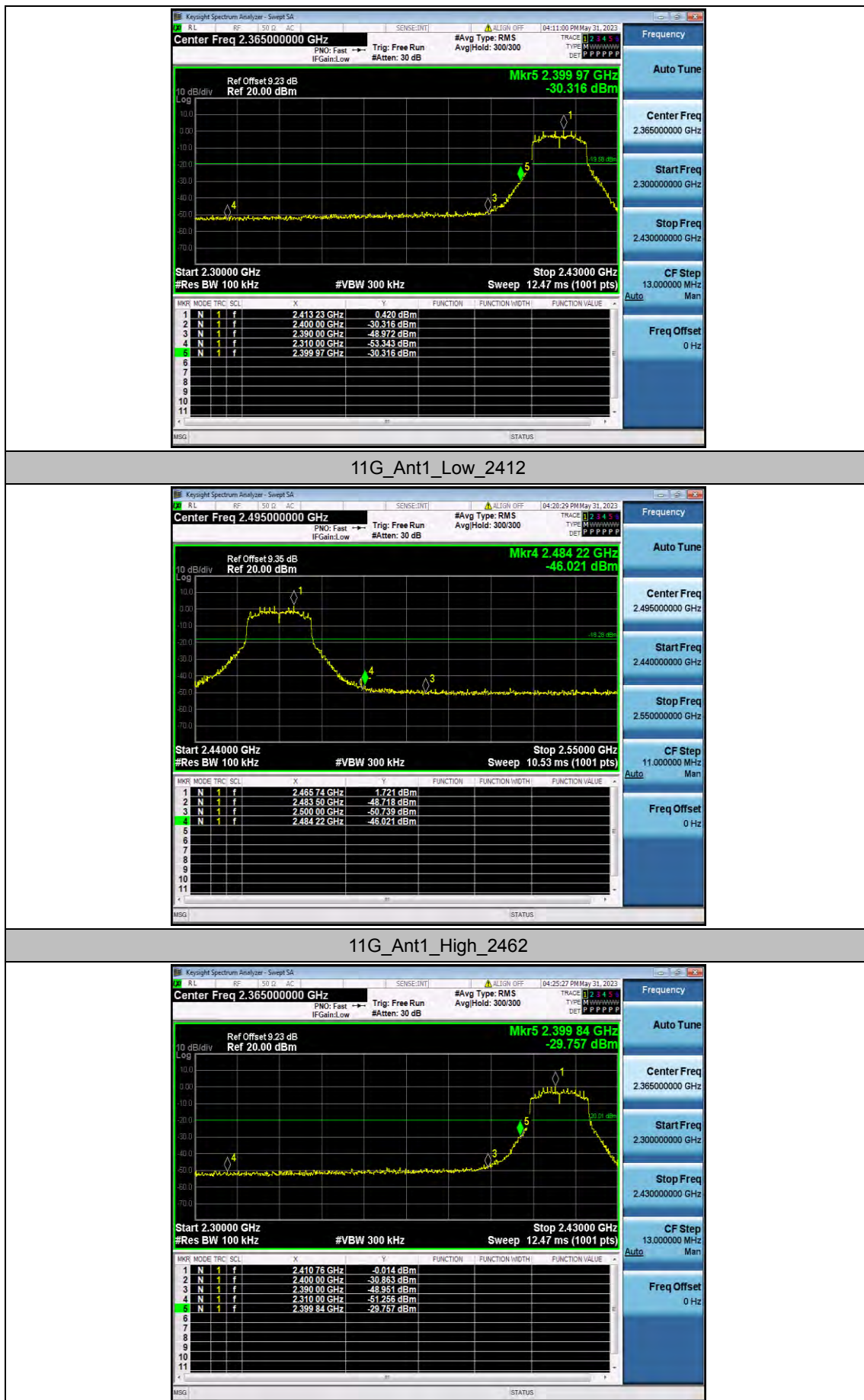
Appendix C.5: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.63	-48.27	≤-18.37	PASS
		High	2462	2.94	-48.21	≤-17.06	PASS
11G	Ant1	Low	2412	0.42	-30.32	≤-19.58	PASS
		High	2462	1.72	-46.02	≤-18.28	PASS
11N20SISO	Ant1	Low	2412	-0.01	-29.76	≤-20.01	PASS
		High	2462	2.10	-45.95	≤-17.9	PASS
11N40SISO	Ant1	Low	2422	-2.68	-34.46	≤-22.68	PASS
		High	2452	-2.16	-39.04	≤-22.16	PASS

Test Graphs





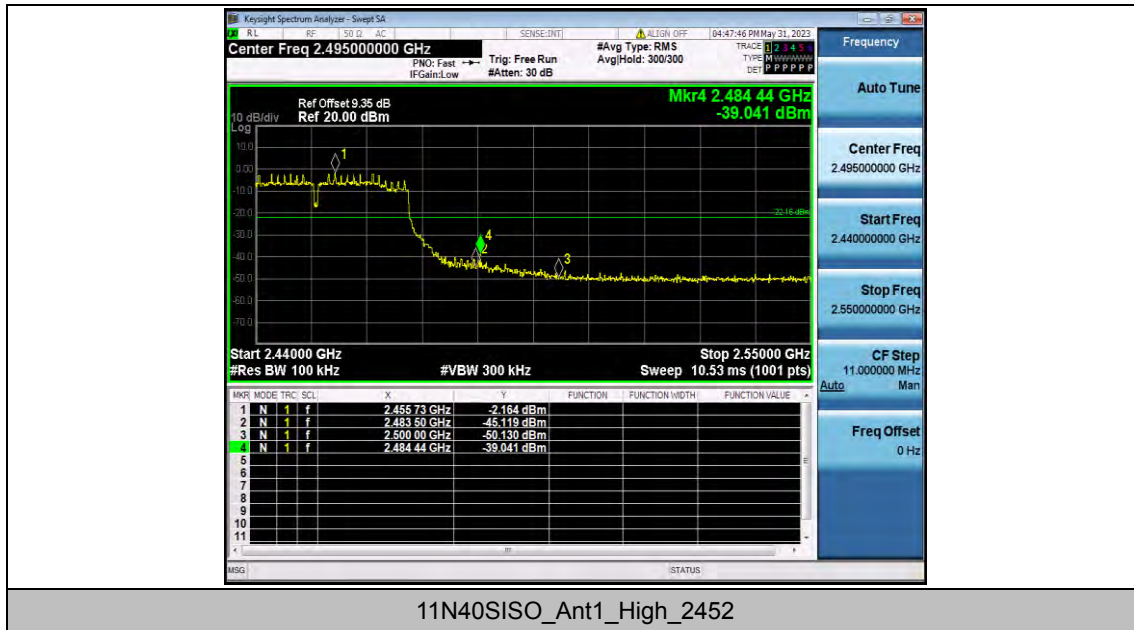
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422

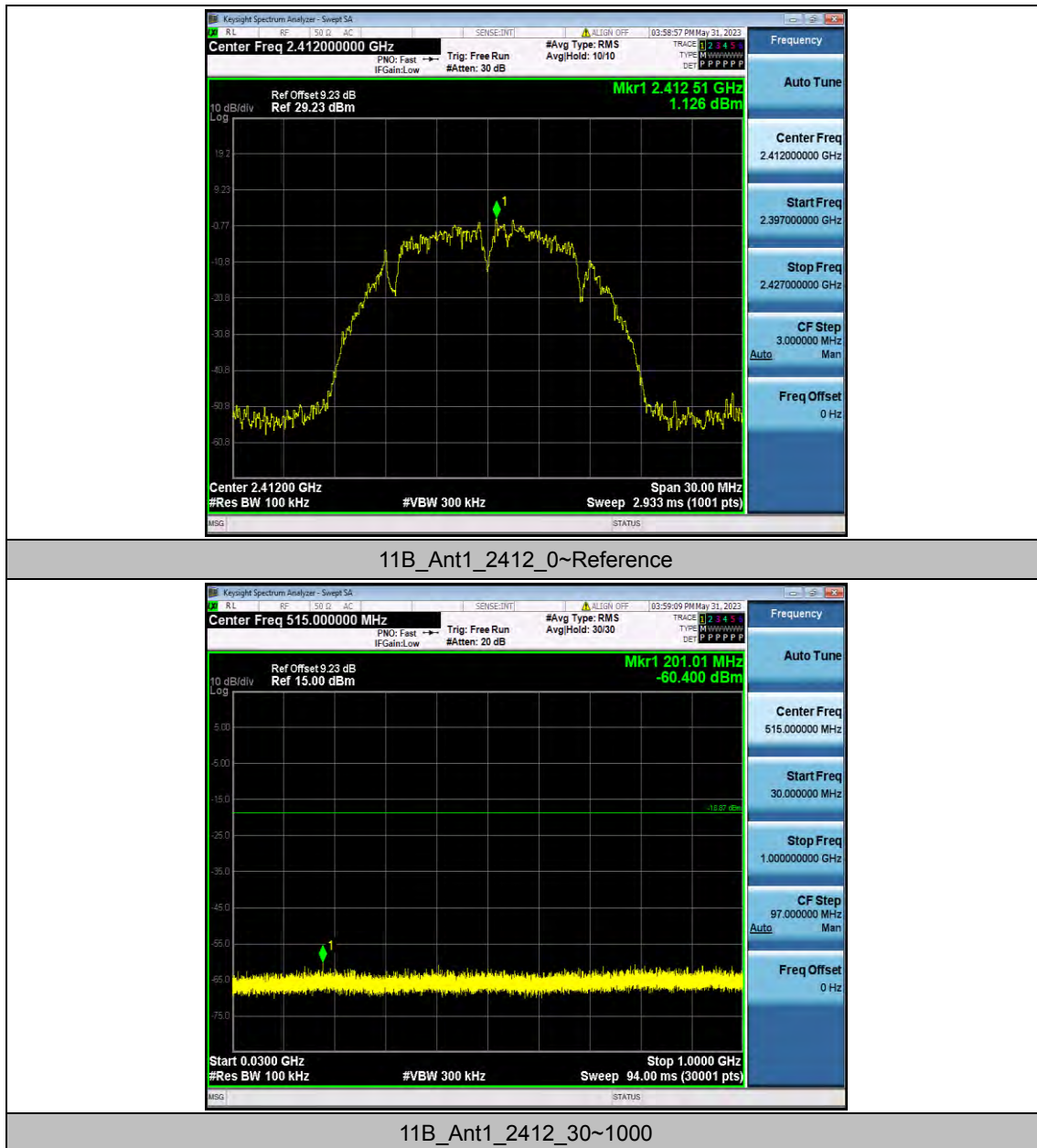


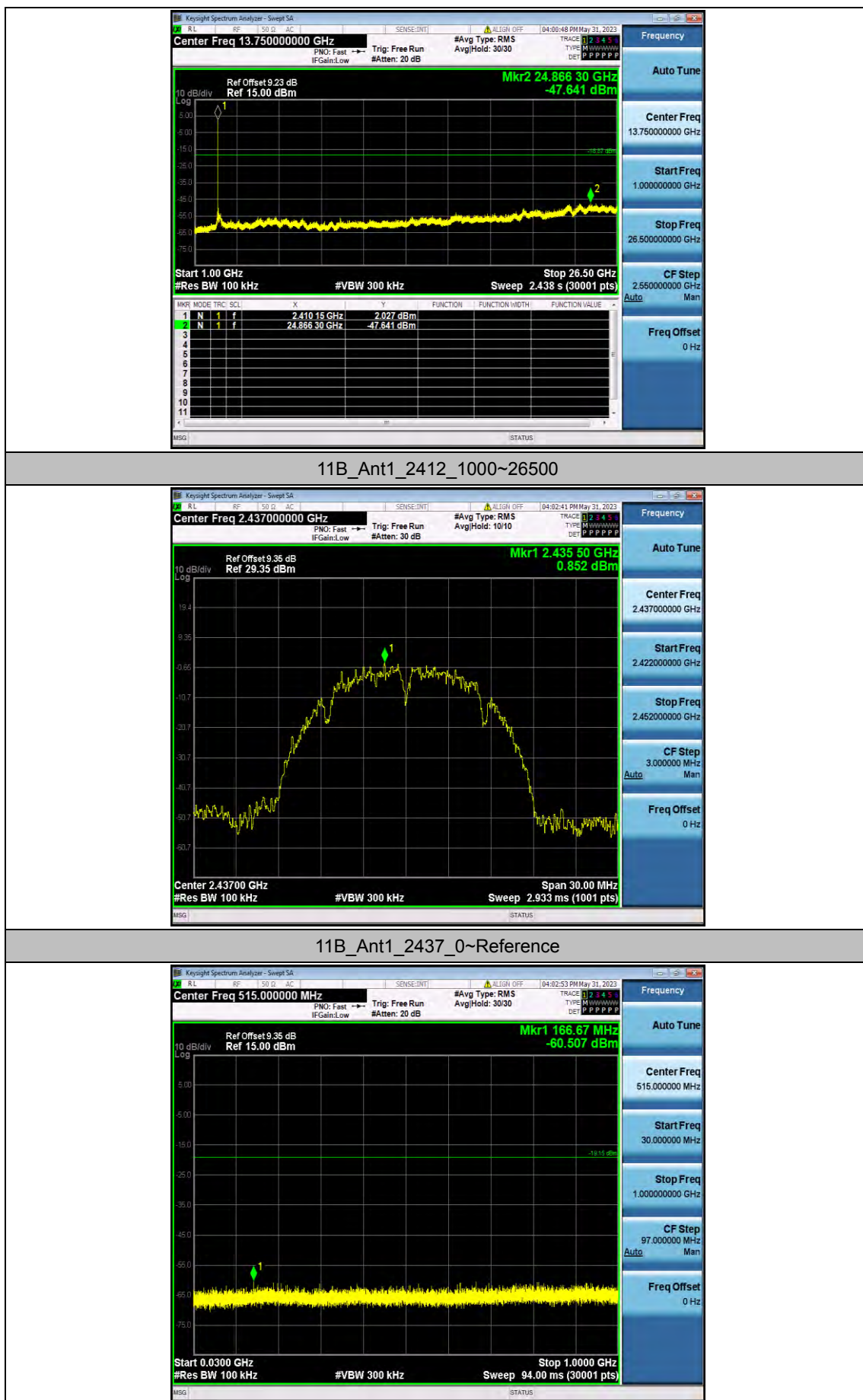
Appendix C.6: Conducted Spurious Emission

Test Result

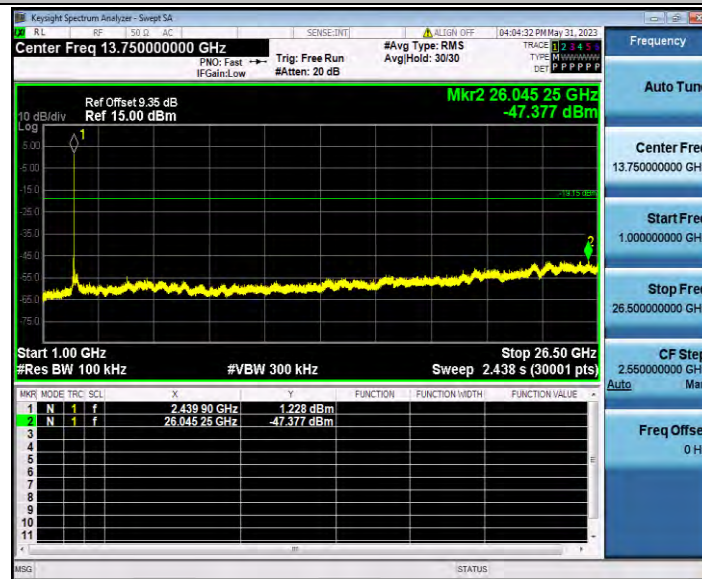
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.13	1.13	---	PASS
			30~1000	1.13	-60.4	≤ -18.87	PASS
			1000~26500	1.13	-47.64	≤ -18.87	PASS
		2437	Reference	0.85	0.85	---	PASS
			30~1000	0.85	-60.51	≤ -19.15	PASS
			1000~26500	0.85	-47.38	≤ -19.15	PASS
		2462	Reference	0.74	0.74	---	PASS
			30~1000	0.74	-60.34	≤ -19.26	PASS
			1000~26500	0.74	-47.37	≤ -19.26	PASS
11G	Ant1	2412	Reference	-2.75	-2.75	---	PASS
			30~1000	-2.75	-59.65	≤ -22.75	PASS
			1000~26500	-2.75	-48.15	≤ -22.75	PASS
		2437	Reference	-3.15	-3.15	---	PASS
			30~1000	-3.15	-59.92	≤ -23.15	PASS
			1000~26500	-3.15	-47.35	≤ -23.15	PASS
		2462	Reference	-1.11	-1.11	---	PASS
			30~1000	-1.11	-59.86	≤ -21.11	PASS
			1000~26500	-1.11	-47.24	≤ -21.11	PASS
11N20SISO	Ant1	2412	Reference	0.69	0.69	---	PASS
			30~1000	0.69	-60.82	≤ -19.31	PASS
			1000~26500	0.69	-47.91	≤ -19.31	PASS
		2437	Reference	-1.82	-1.82	---	PASS
			30~1000	-1.82	-60.03	≤ -21.82	PASS
			1000~26500	-1.82	-47.15	≤ -21.82	PASS
		2462	Reference	1.78	1.78	---	PASS
			30~1000	1.78	-59.78	≤ -18.22	PASS
			1000~26500	1.78	-46.86	≤ -18.22	PASS
11N40SISO	Ant1	2422	Reference	-2.81	-2.81	---	PASS
			30~1000	-2.81	-60.25	≤ -22.81	PASS
			1000~26500	-2.81	-47.55	≤ -22.81	PASS
		2437	Reference	-3.54	-3.54	---	PASS
			30~1000	-3.54	-59.33	≤ -23.54	PASS
			1000~26500	-3.54	-46.69	≤ -23.54	PASS
		2452	Reference	-2.08	-2.08	---	PASS
			30~1000	-2.08	-60.39	≤ -22.08	PASS
			1000~26500	-2.08	-47.59	≤ -22.08	PASS

Test Graphs





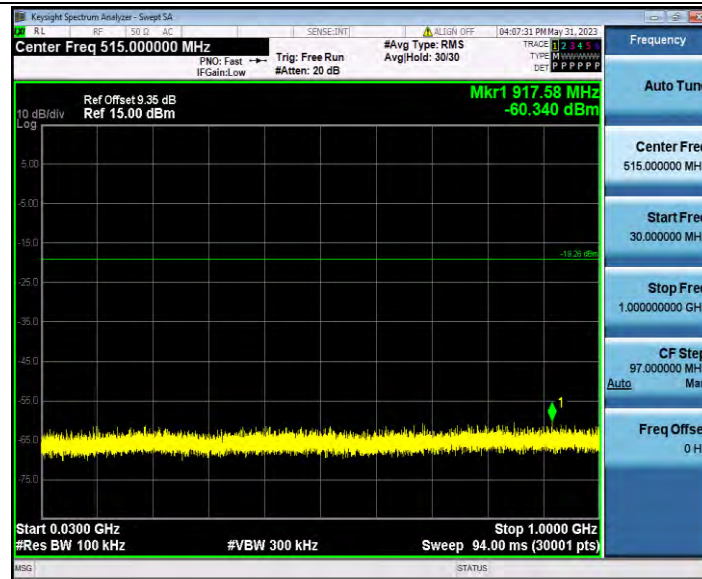
11B_Ant1_2437_30~1000



11B_Ant1_2437_1000~26500



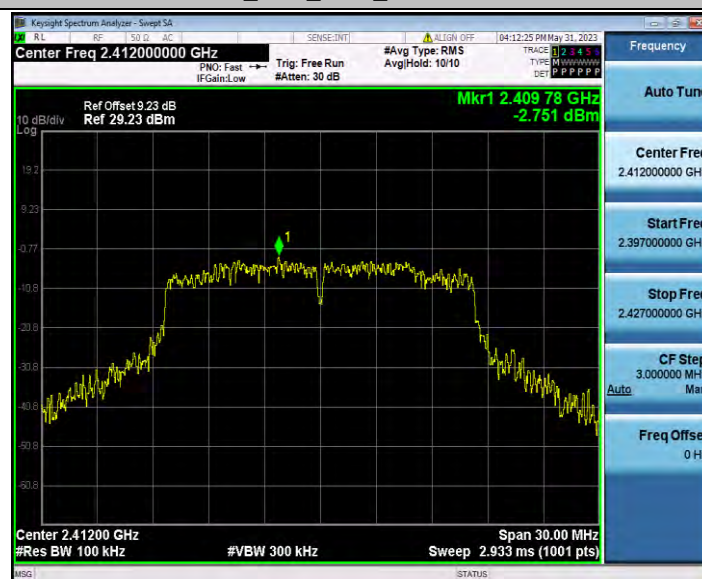
11B_Ant1_2462_0~Reference



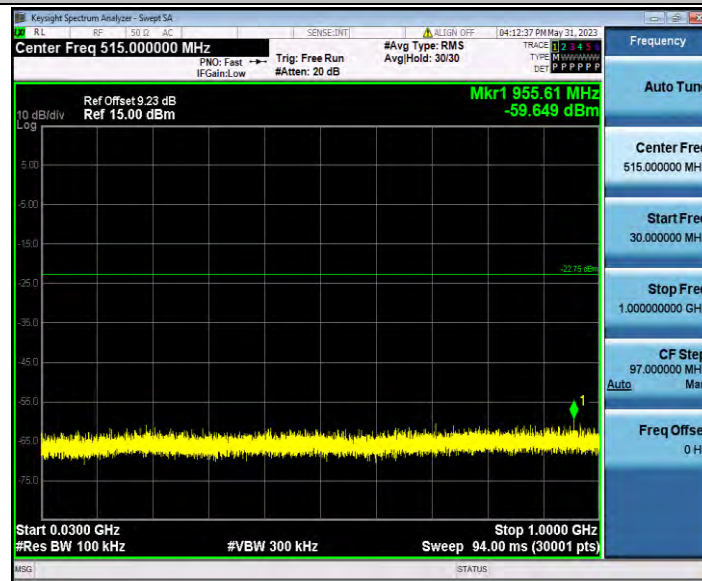
11B_Ant1_2462_30~1000



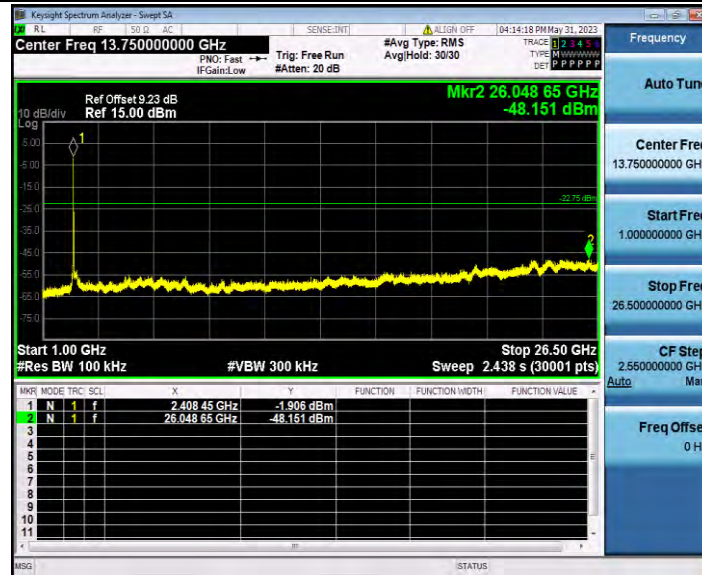
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



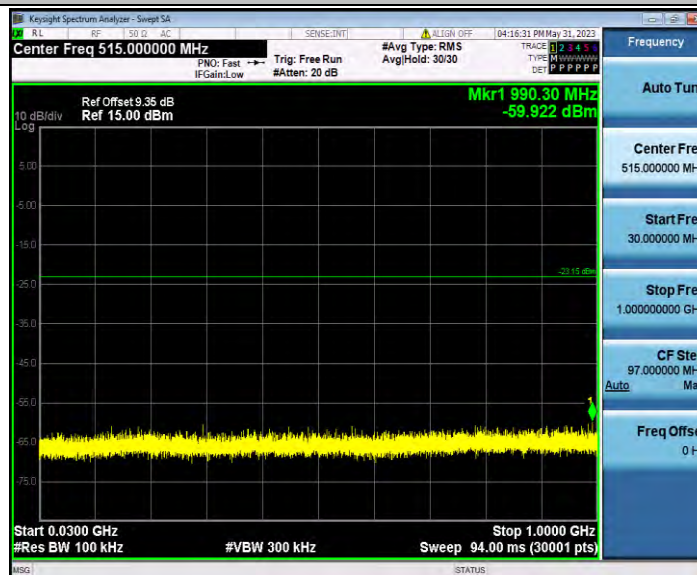
11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



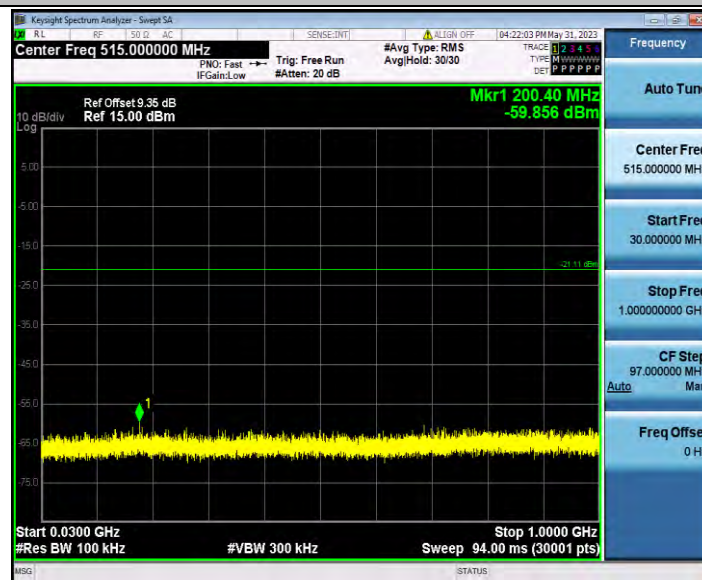
11G_Ant1_2437_30~1000



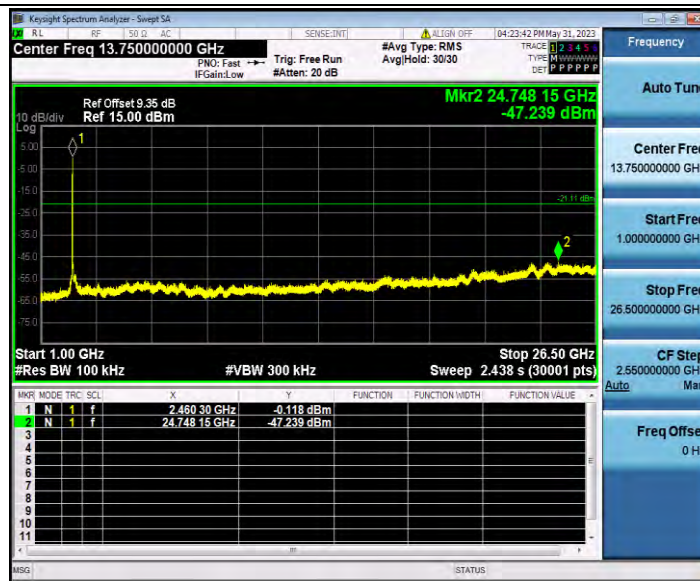
11G_Ant1_2437_1000~26500



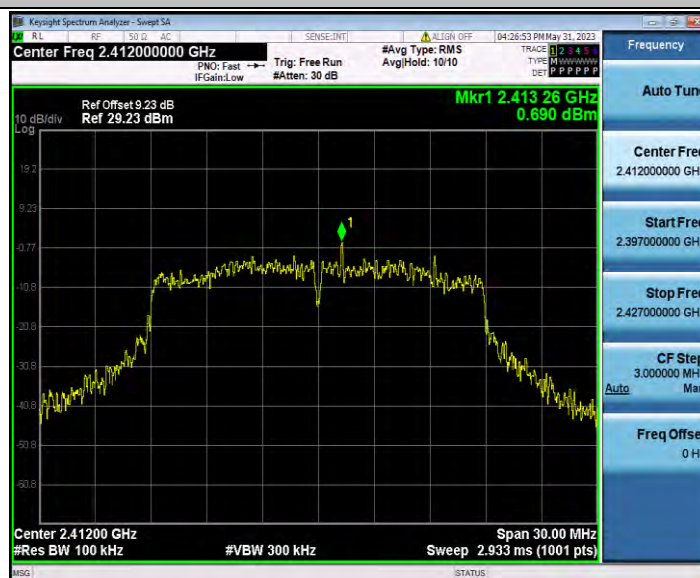
11G_Ant1_2462_0~Reference



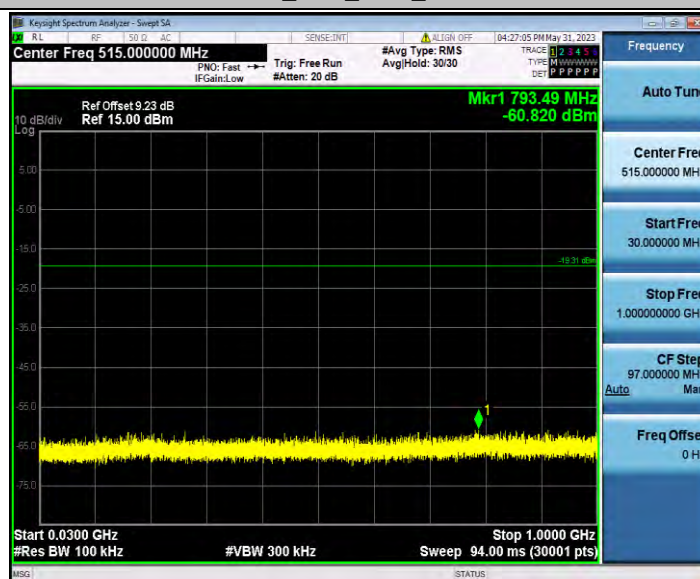
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



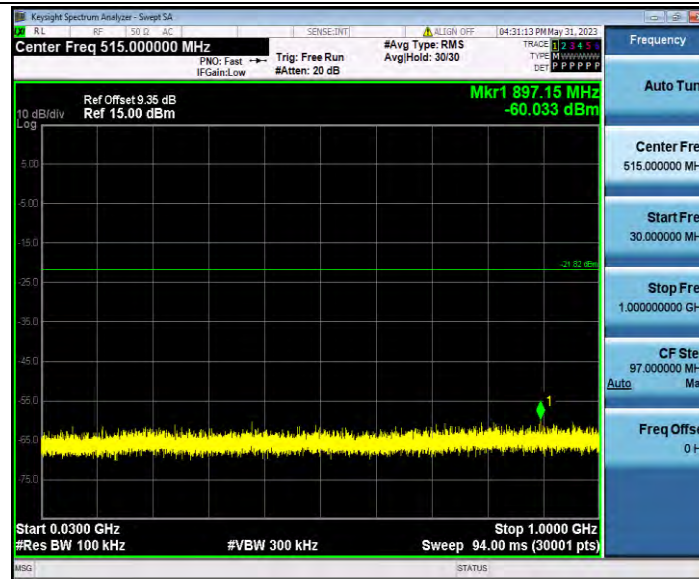
11N20SISO_Ant1_2412_30~1000



11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



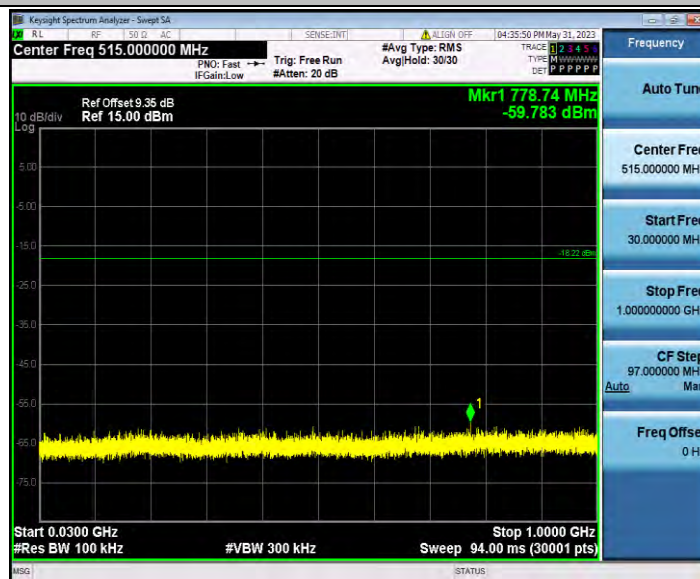
11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



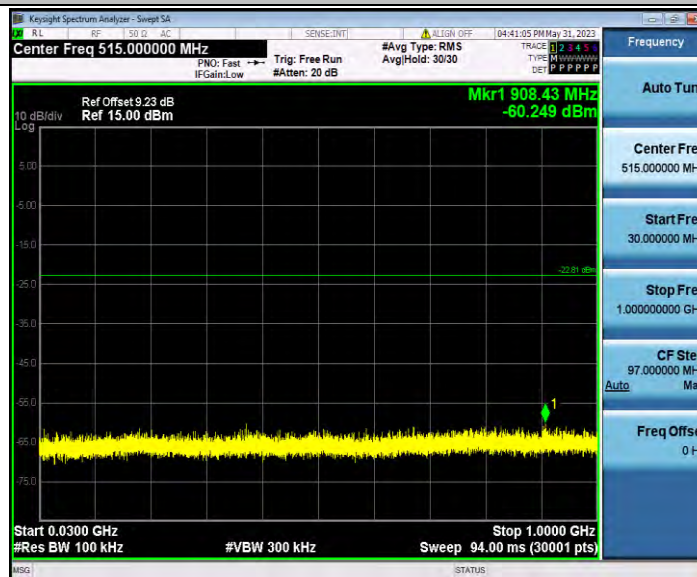
11N20SISO_Ant1_2462_30~1000



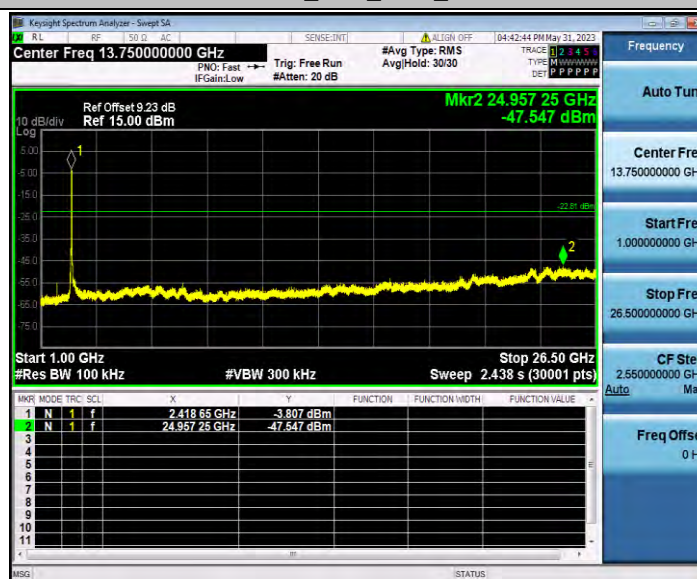
11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference



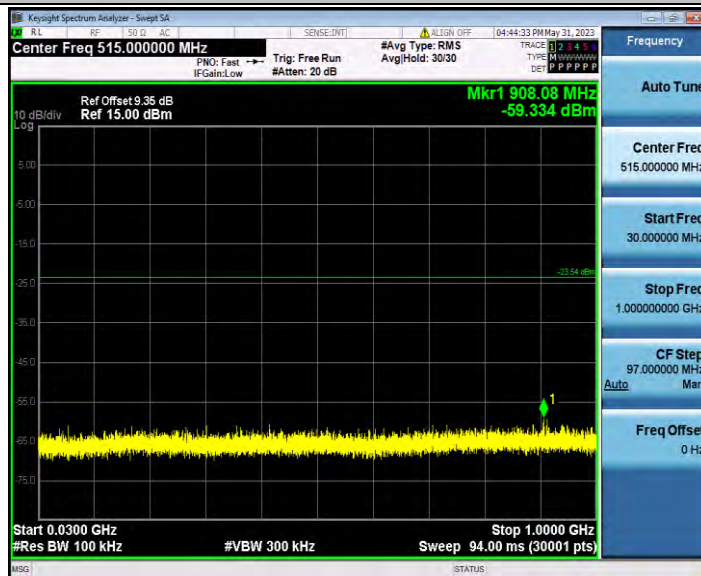
11N40SISO_Ant1_2422_30~1000



11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000

