

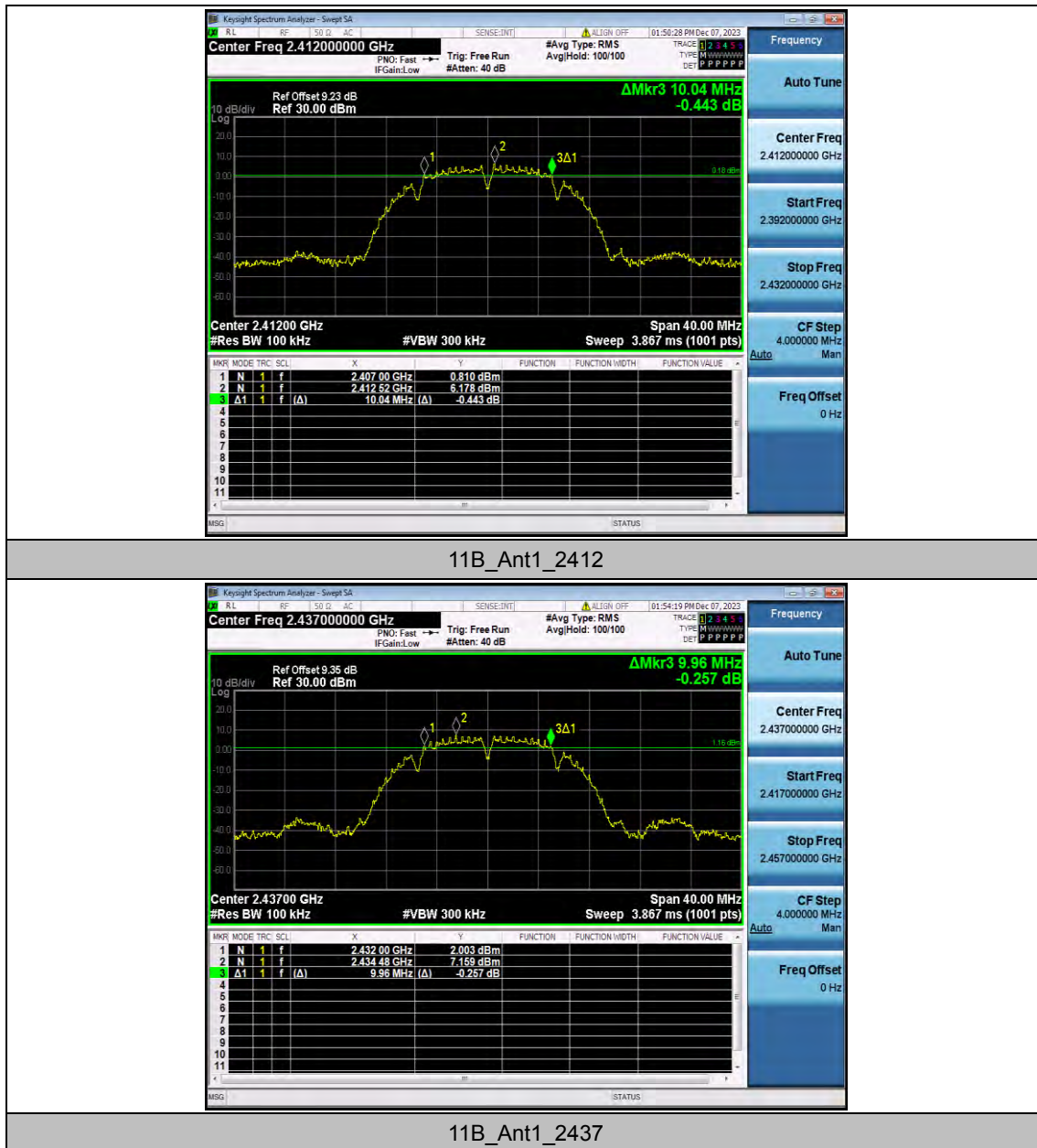
Case No. : <u>GTS20231012003-1-10</u>	
Ambient Condition: <u>24</u> °C, <u>48</u> %RH, Atmos100.1Kpa,	
Test Date: <u>2023.12.7</u>	Test Engineer: <u>Evan ouyang</u>

Appendix C.1: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.040	2407.000	2417.040	0.5	PASS
		2437	9.960	2432.000	2441.960	0.5	PASS
		2462	10.080	2456.960	2467.040	0.5	PASS
11G	Ant1	2412	16.440	2403.840	2420.280	0.5	PASS
		2437	16.360	2428.840	2445.200	0.5	PASS
		2462	16.360	2453.840	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.640	2403.200	2420.840	0.5	PASS
		2437	17.680	2428.160	2445.840	0.5	PASS
		2462	17.680	2453.160	2470.840	0.5	PASS
11N40SISO	Ant1	2422	35.760	2404.480	2440.240	0.5	PASS
		2437	35.440	2419.480	2454.920	0.5	PASS
		2452	36.080	2434.080	2470.160	0.5	PASS

Test Graphs

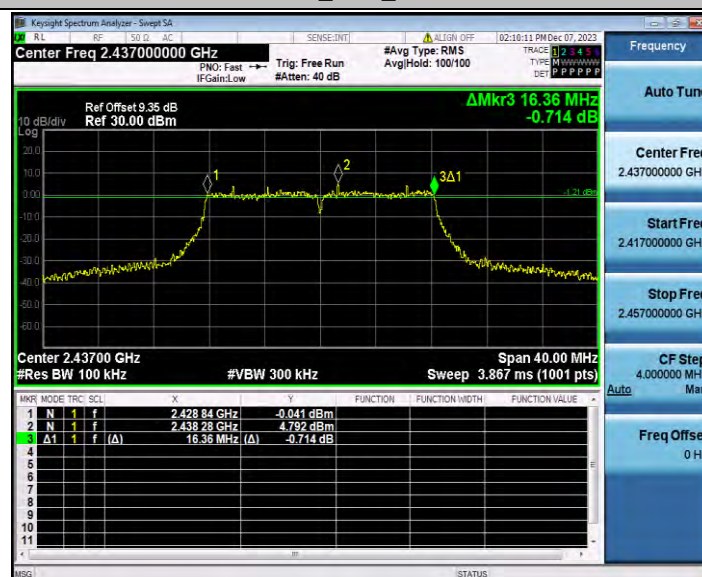




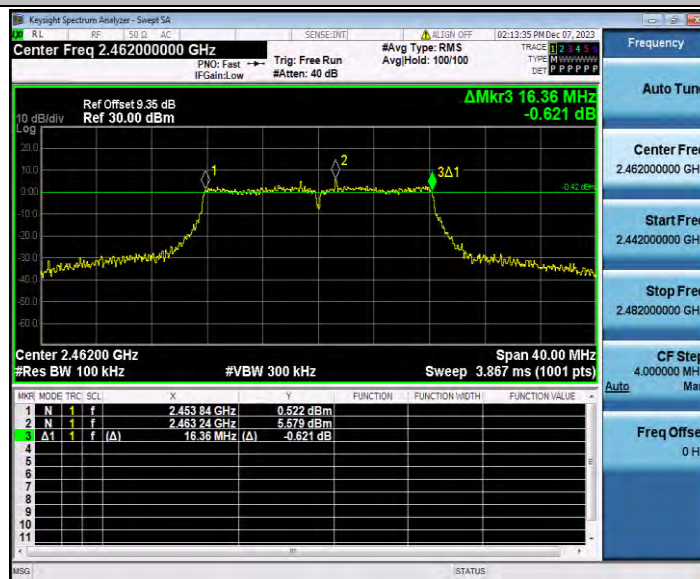
11B_Ant1_2462



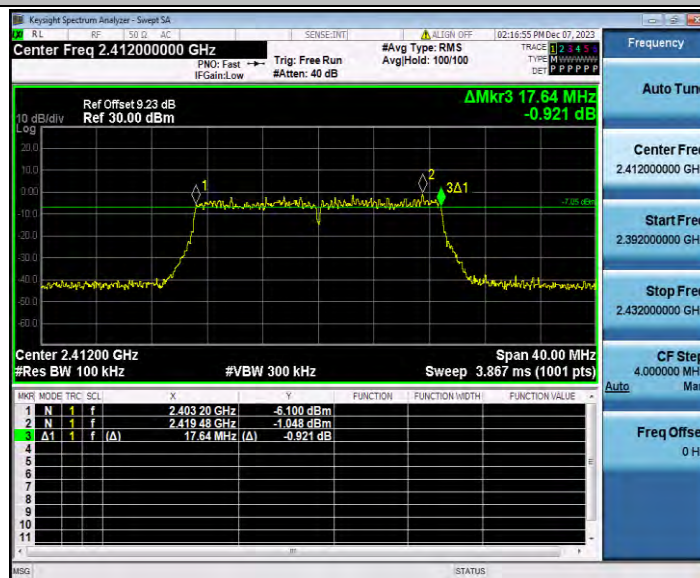
11G_Ant1_2412



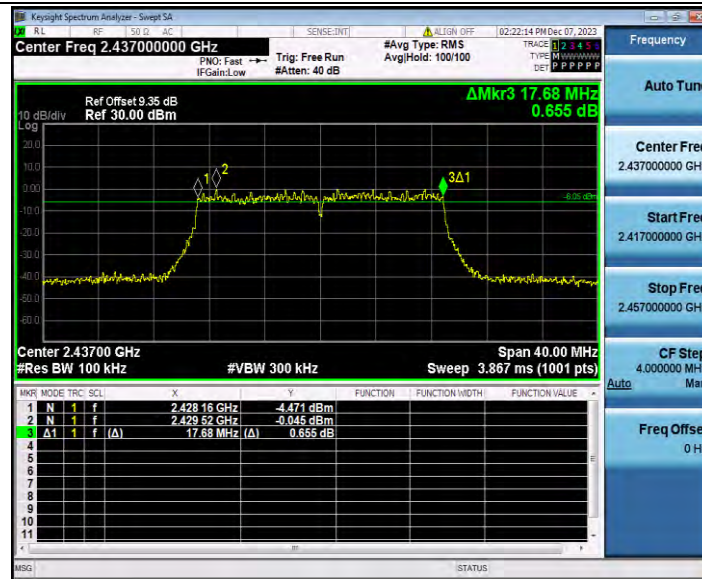
11G_Ant1_2437



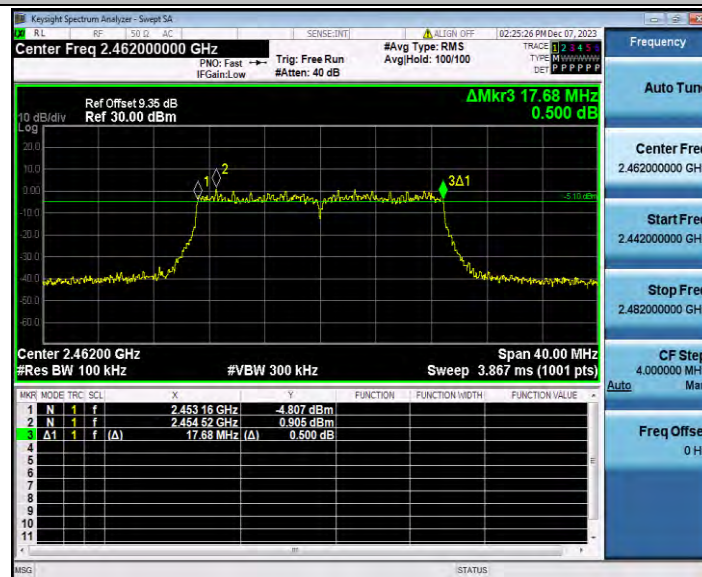
11G_Ant1_2462



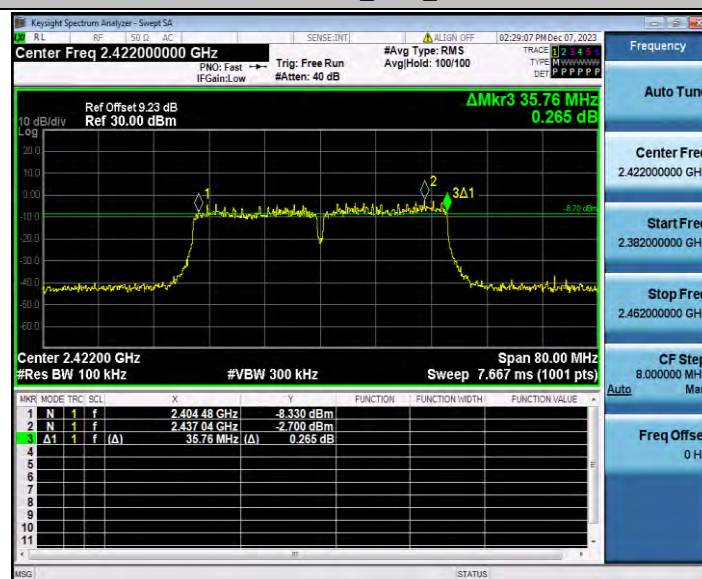
11N20SISO_Ant1_2412



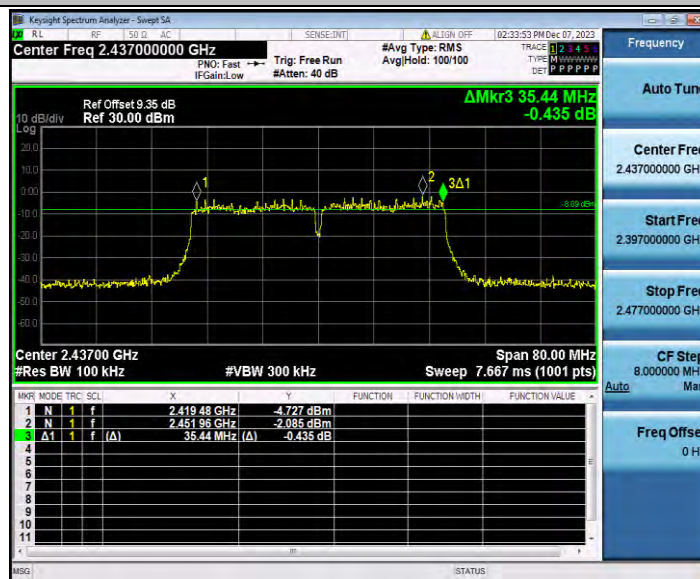
11N20SISO_Ant1_2437



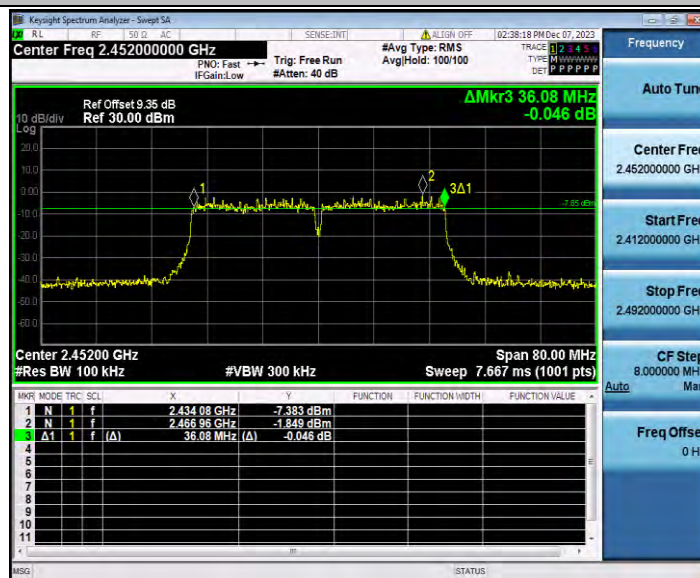
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



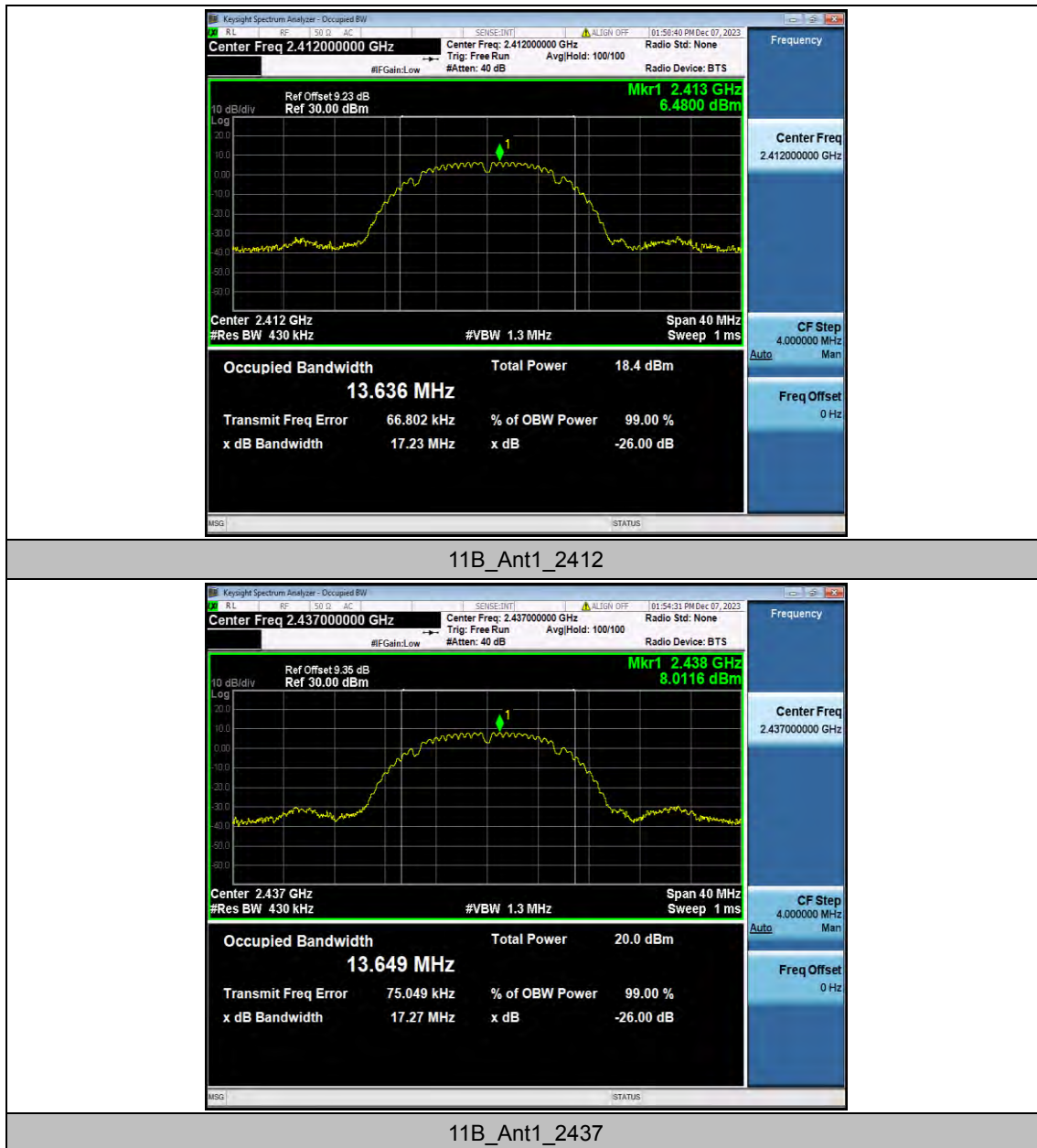
11N40SISO_Ant1_2452

Appendix C.2: Occupied Channel Bandwidth

Test Result

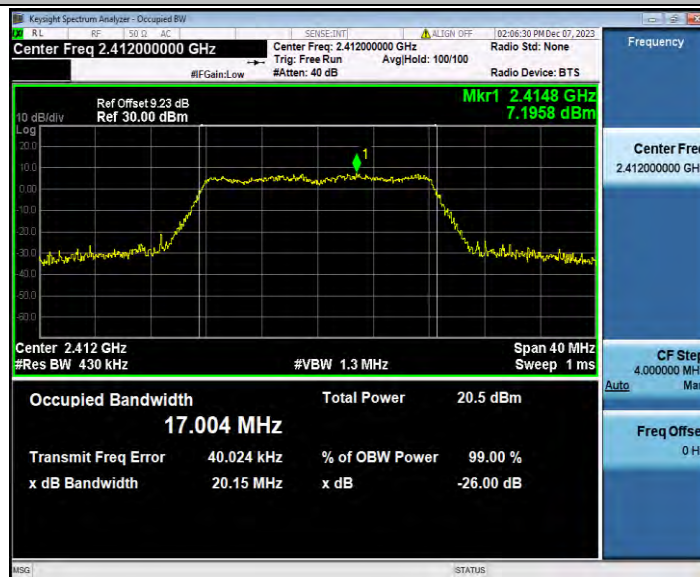
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.636	2405.249	2418.885	---	---
		2437	13.649	2430.251	2443.900	---	---
		2462	13.680	2455.183	2468.863	---	---
11G	Ant1	2412	17.004	2403.538	2420.542	---	---
		2437	17.017	2428.539	2445.556	---	---
		2462	16.966	2453.549	2470.515	---	---
11N20SISO	Ant1	2412	17.888	2403.086	2420.974	---	---
		2437	17.831	2428.114	2445.945	---	---
		2462	17.841	2453.087	2470.928	---	---
11N40SISO	Ant1	2422	36.404	2403.905	2440.309	---	---
		2437	36.374	2418.901	2455.275	---	---
		2452	36.406	2433.900	2470.306	---	---

Test Graphs

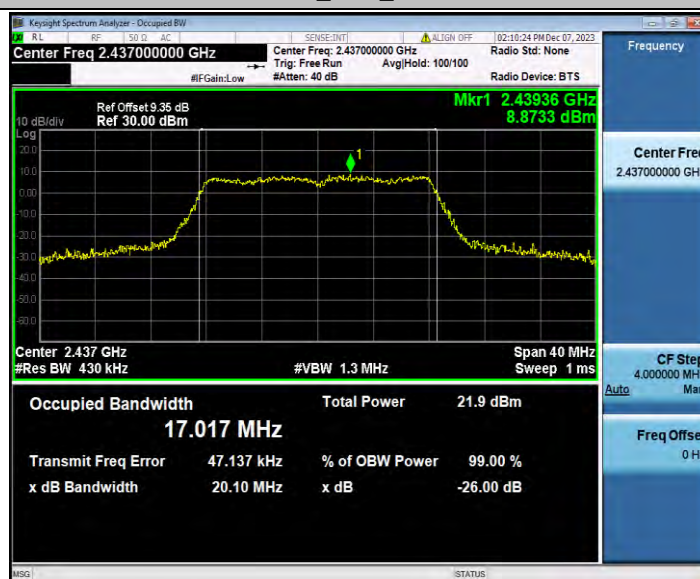




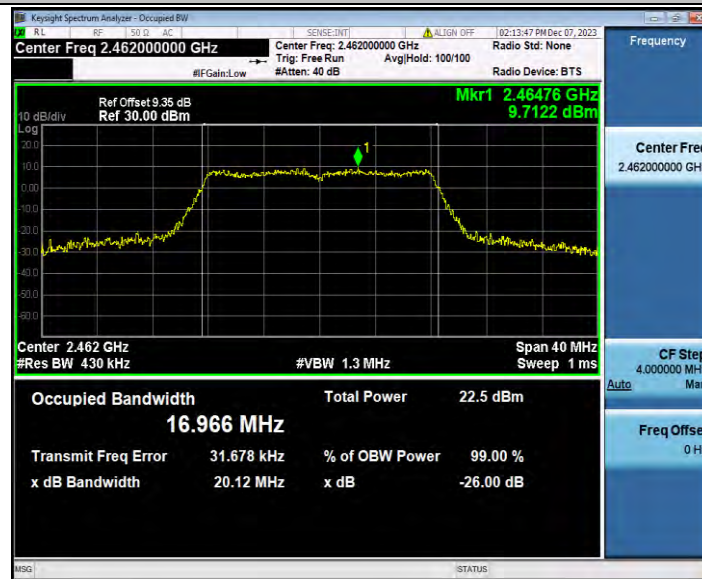
11B_Ant1_2462



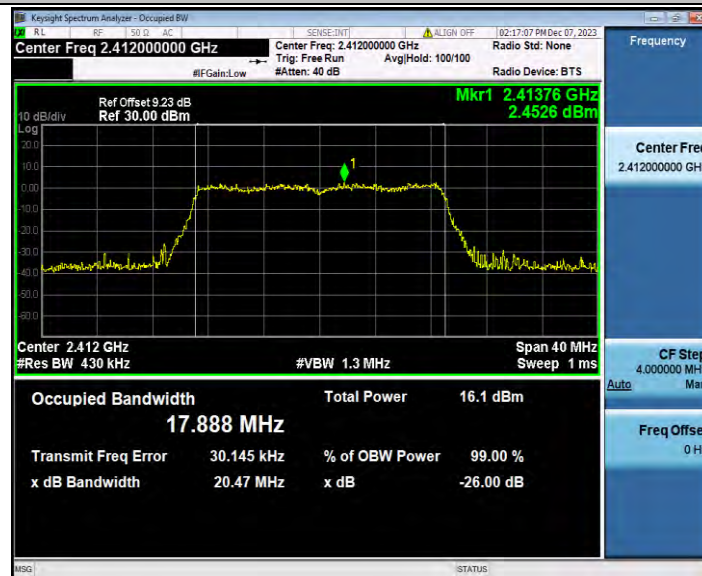
11G_Ant1_2412



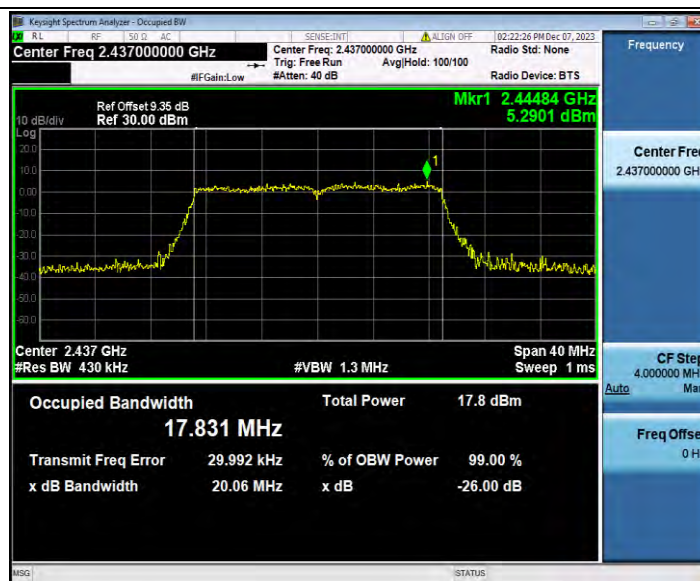
11G_Ant1_2437



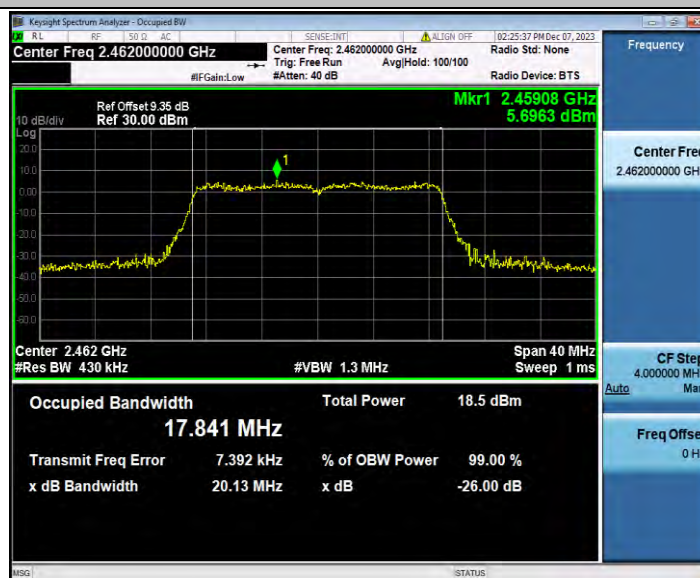
11G_Ant1_2462



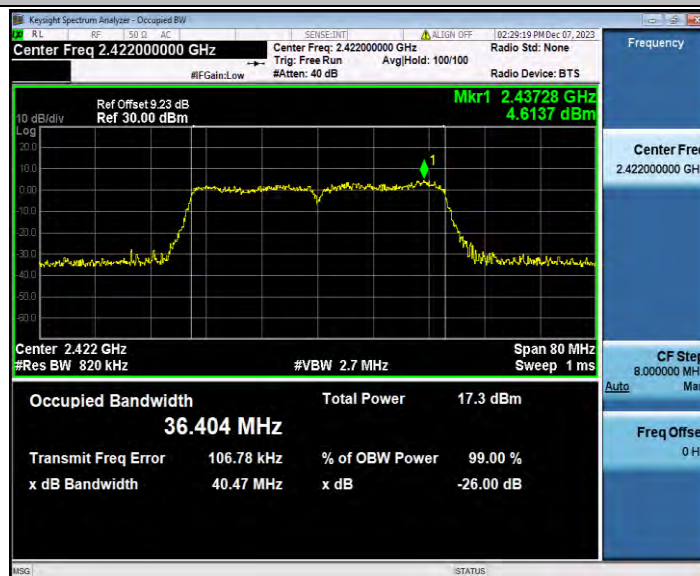
11N20SISO_Ant1_2412



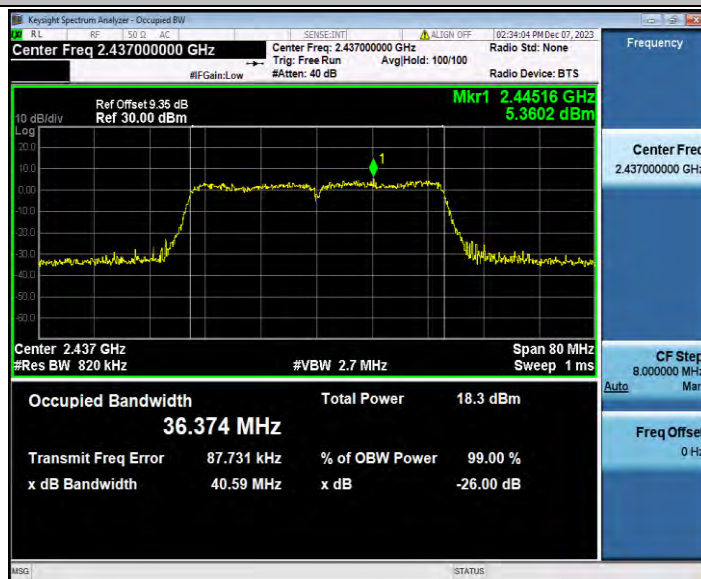
11N20SISO_Ant1_2437



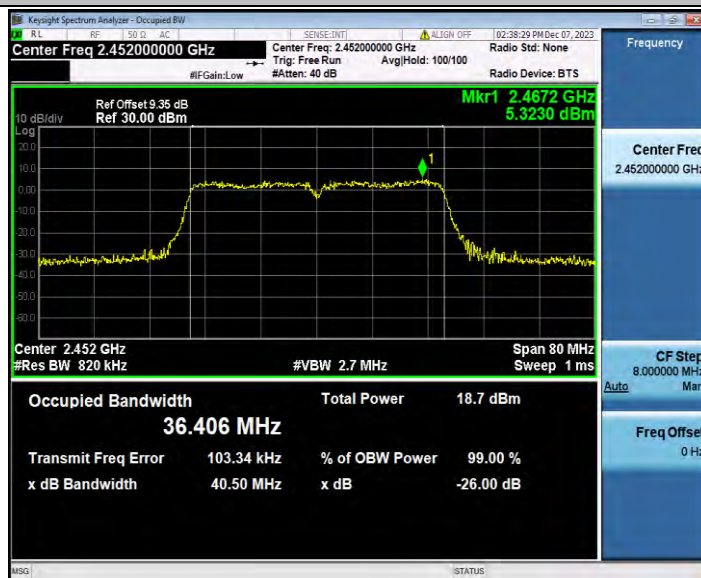
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

Appendix C.3: Maximum conducted output power

Test Result Peak

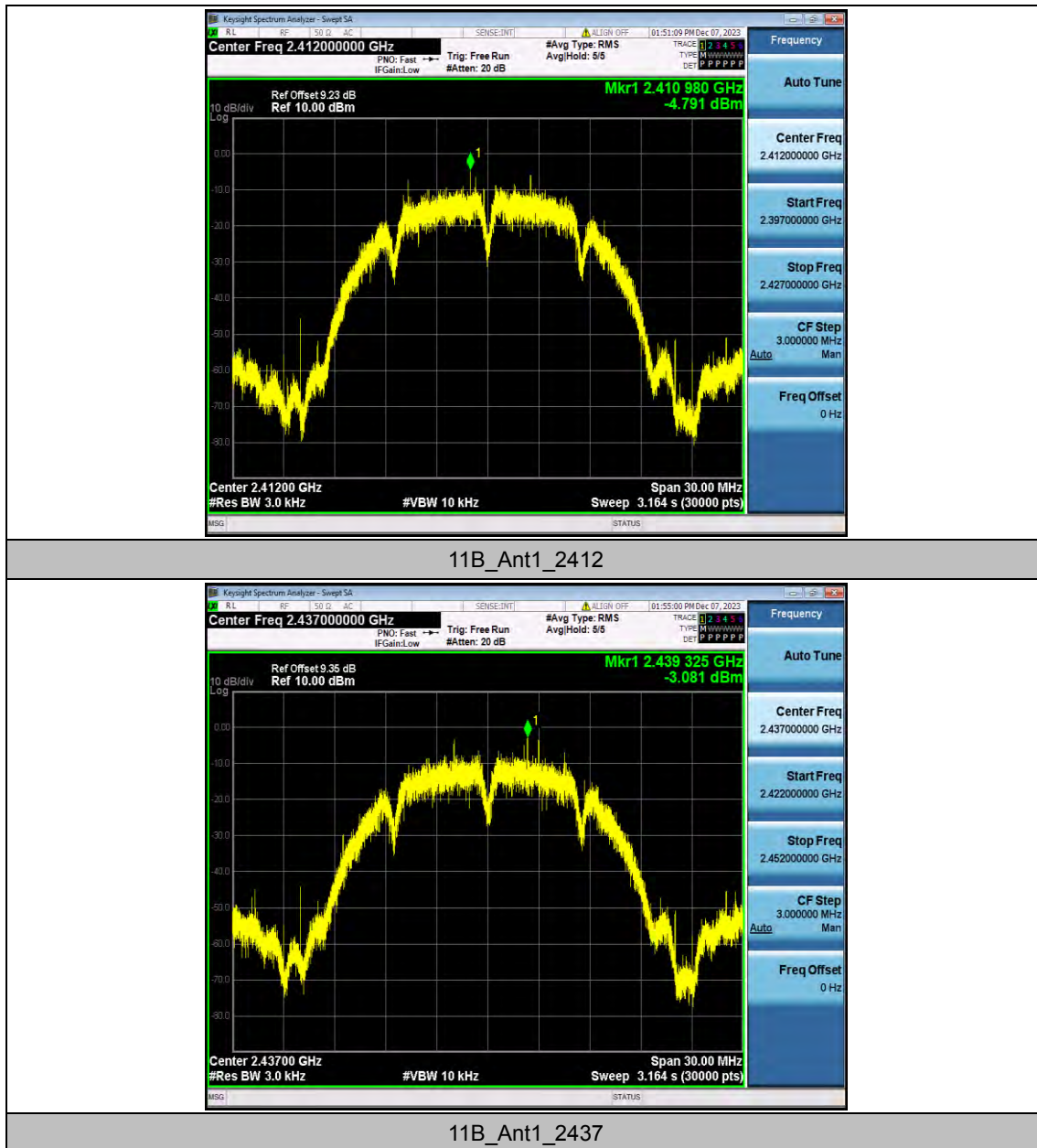
Test Mode	Antenna	Frequency[MHz]	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	18.46	≤30.00	PASS
		2437	19.98	≤30.00	PASS
		2462	20.70	≤30.00	PASS
11G	Ant1	2412	21.58	≤30.00	PASS
		2437	23.04	≤30.00	PASS
		2462	23.70	≤30.00	PASS
11N20SISO	Ant1	2412	16.95	≤30.00	PASS
		2437	18.55	≤30.00	PASS
		2462	19.25	≤30.00	PASS
11N40SISO	Ant1	2422	17.49	≤30.00	PASS
		2437	18.49	≤30.00	PASS
		2452	18.95	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

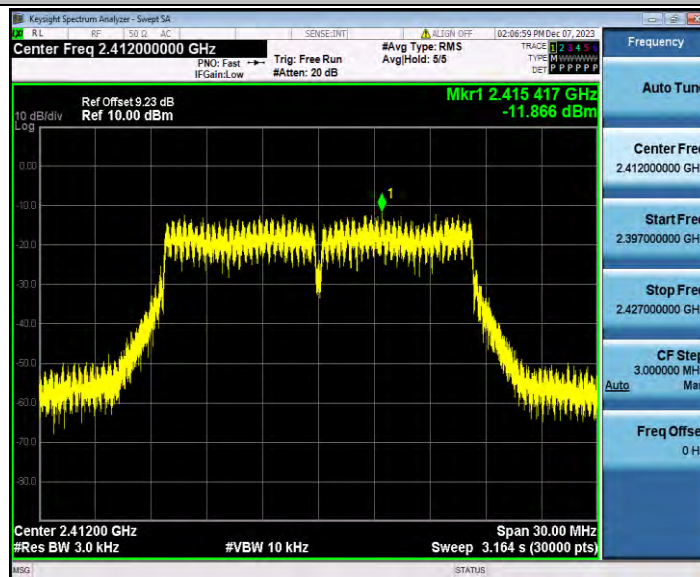
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-4.79	≤8.00	PASS
		2437	-3.08	≤8.00	PASS
		2462	-1.08	≤8.00	PASS
11G	Ant1	2412	-11.87	≤8.00	PASS
		2437	-10.1	≤8.00	PASS
		2462	-9.64	≤8.00	PASS
11N20SISO	Ant1	2412	-15.48	≤8.00	PASS
		2437	-14.65	≤8.00	PASS
		2462	-13.86	≤8.00	PASS
11N40SISO	Ant1	2422	-18.07	≤8.00	PASS
		2437	-16.97	≤8.00	PASS
		2452	-17.62	≤8.00	PASS

Test Graphs

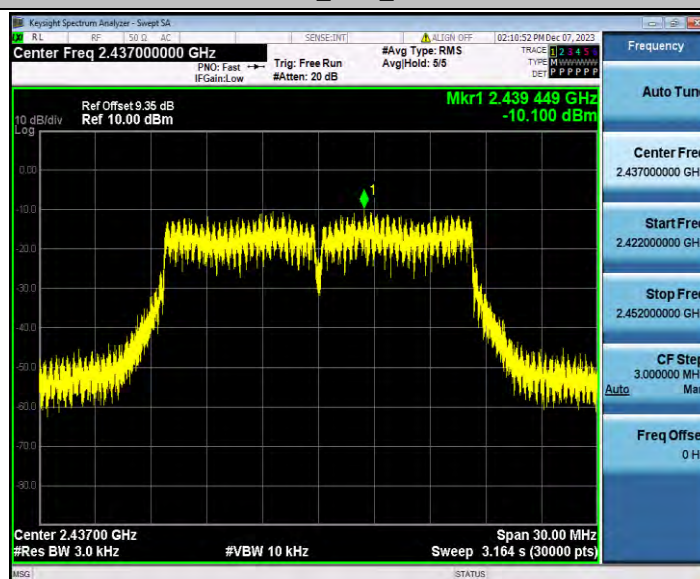




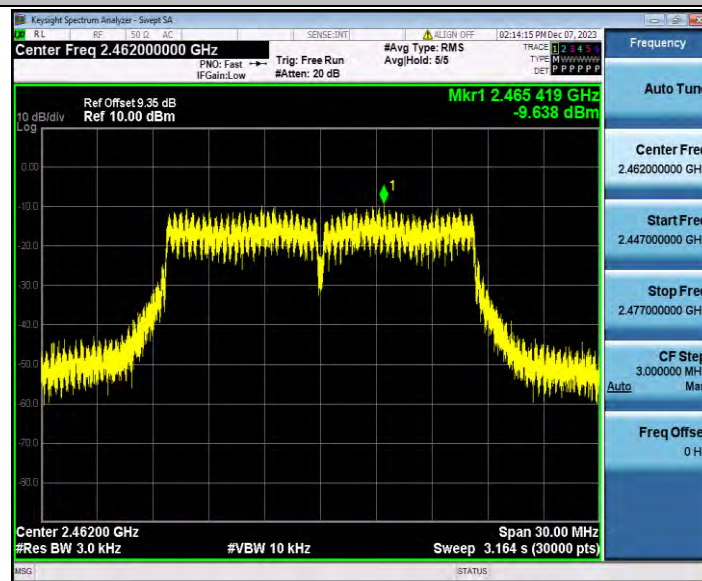
11B_Ant1_2462



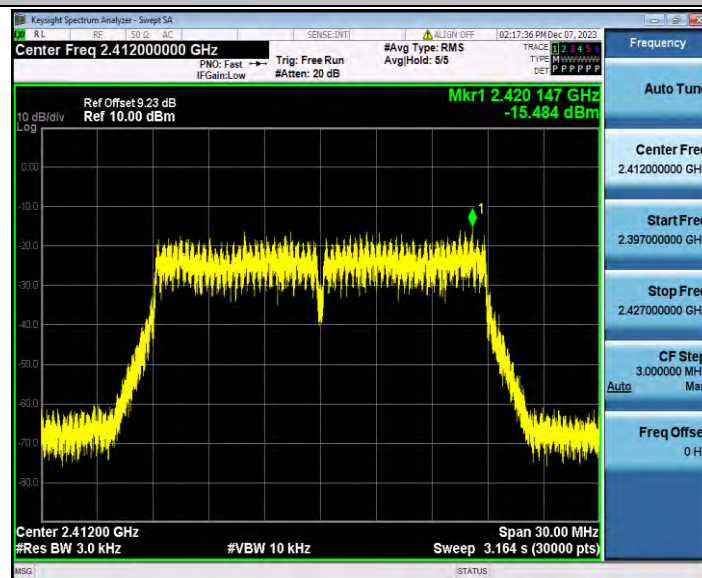
11G_Ant1_2412



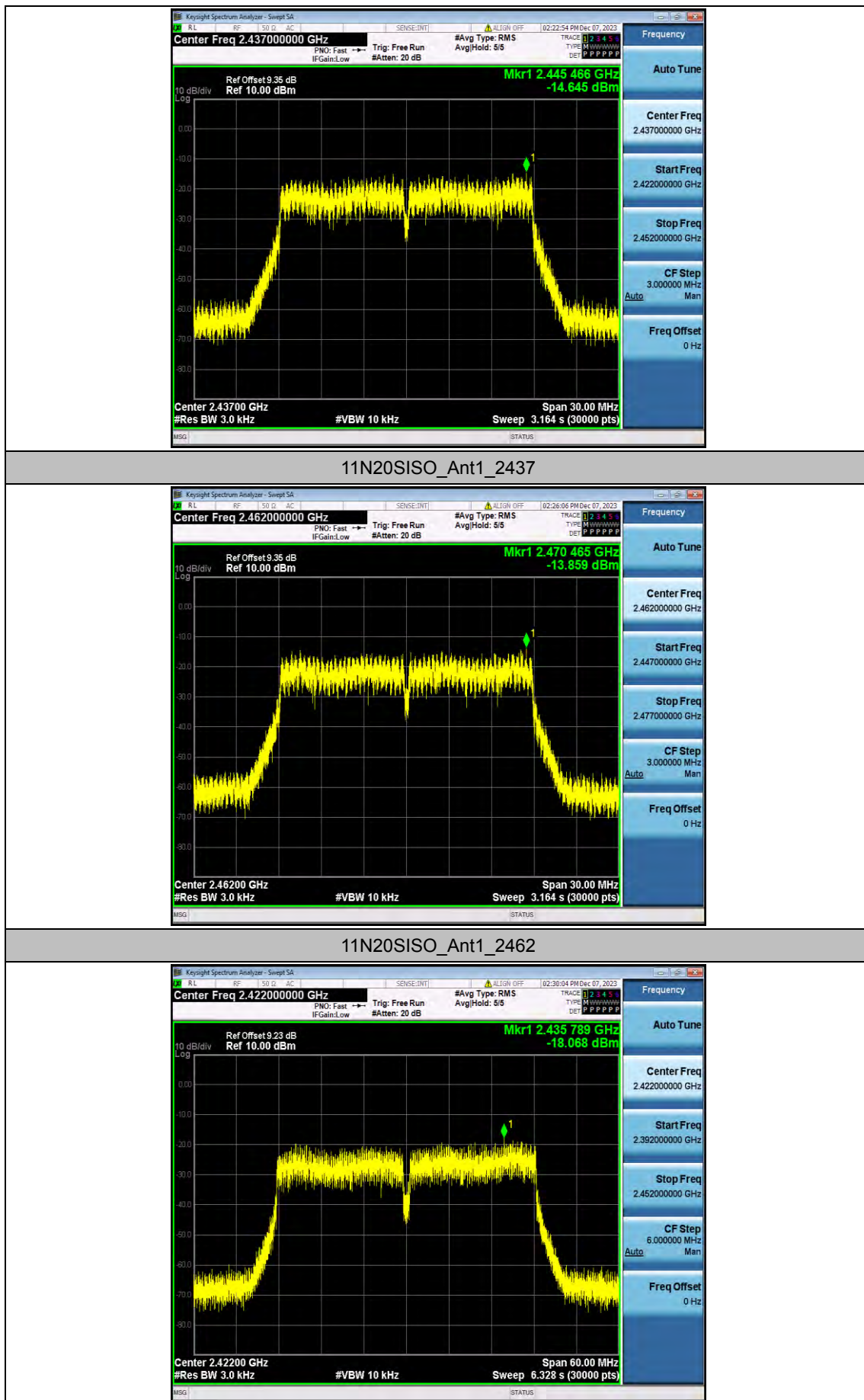
11G_Ant1_2437



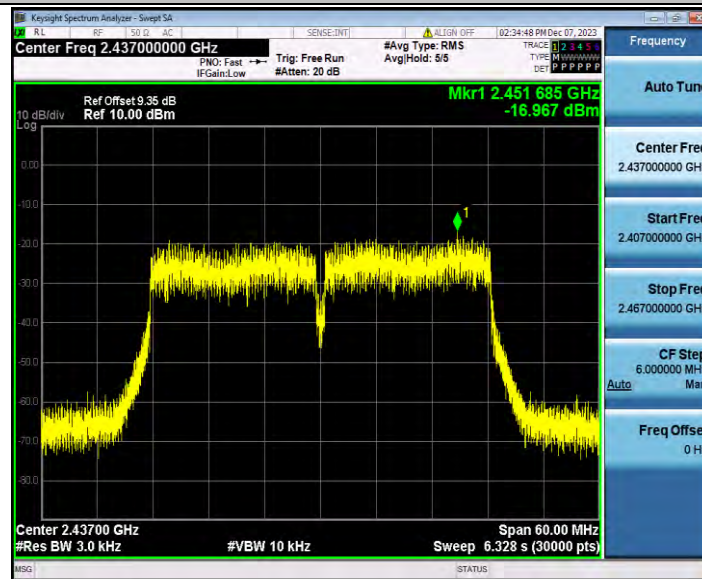
11G_Ant1_2462



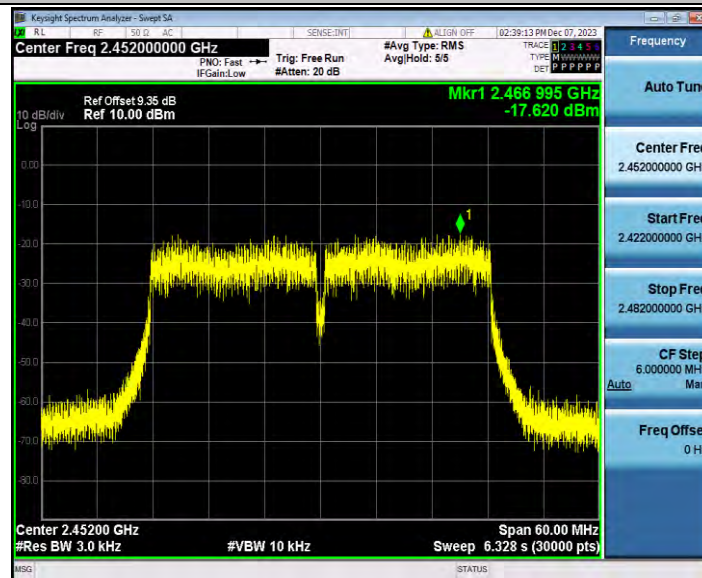
11N20SISO_Ant1_2412



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



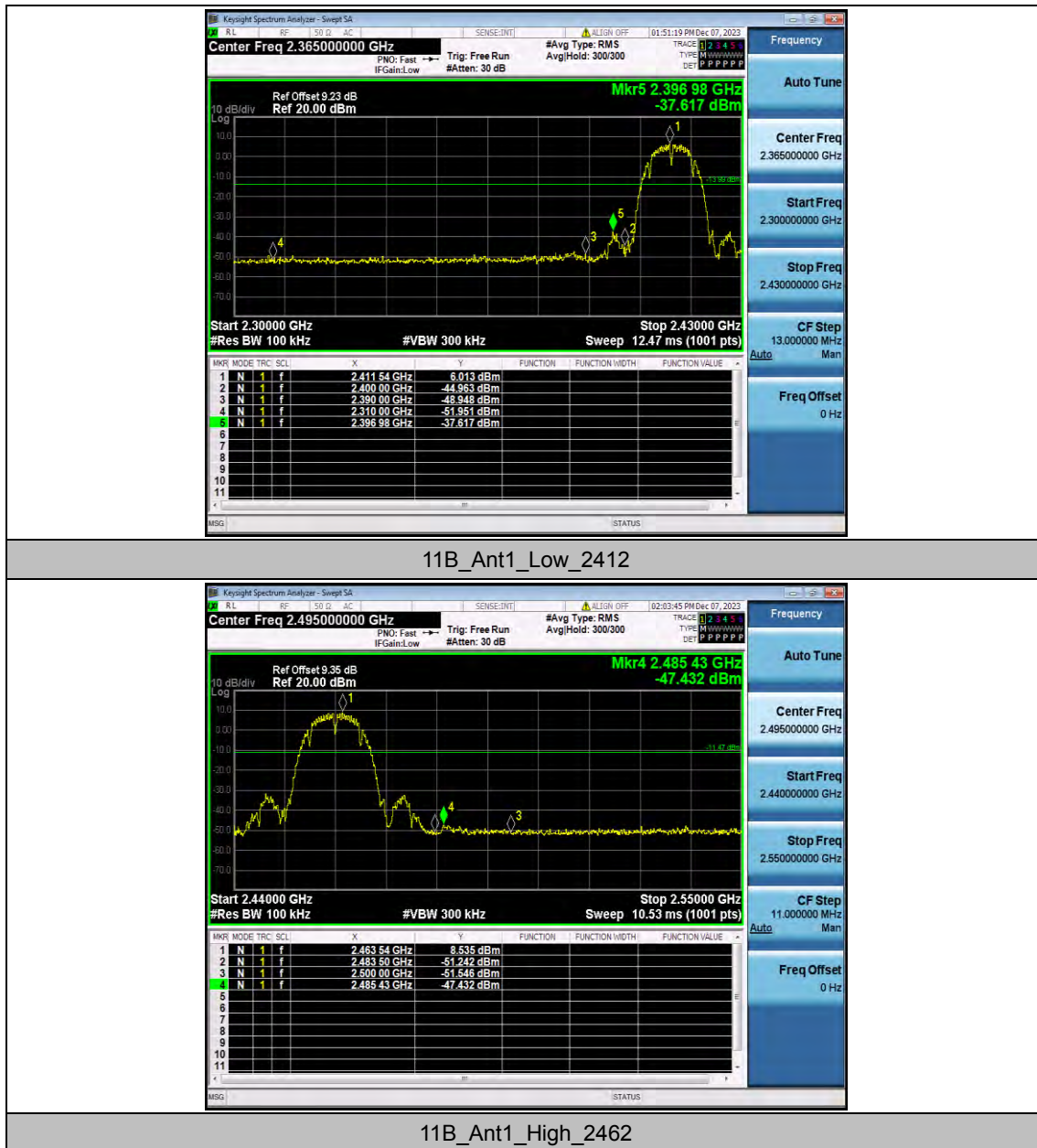
11N40SISO_Ant1_2452

Appendix C.5: Band edge measurements

Test Result

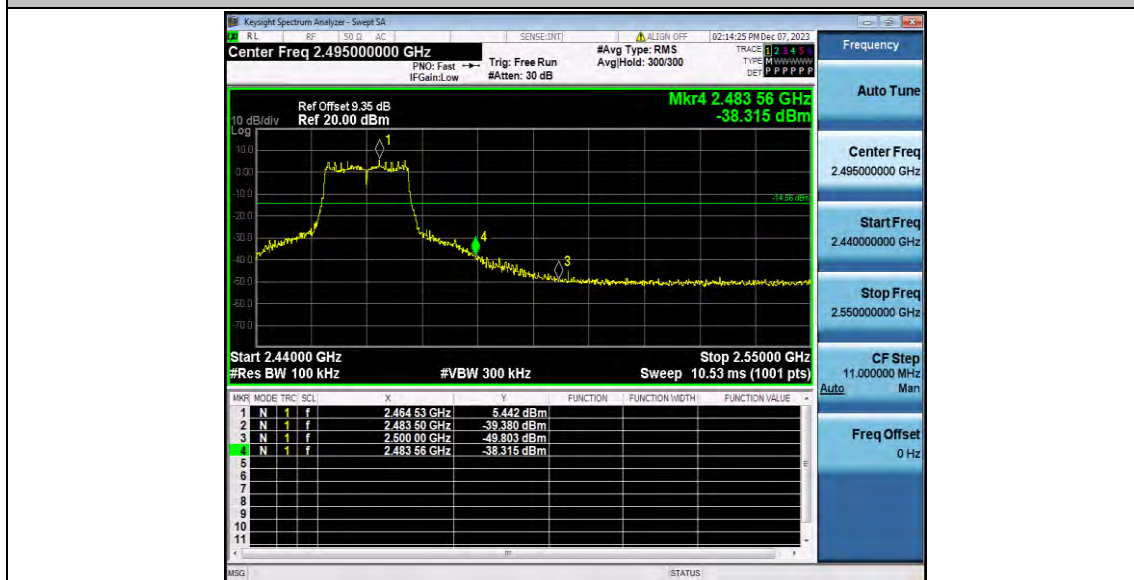
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.01	-37.62	≤ -13.99	PASS
		High	2462	8.54	-47.43	≤ -11.47	PASS
11G	Ant1	Low	2412	3.66	-31.8	≤ -16.34	PASS
		High	2462	5.44	-38.32	≤ -14.56	PASS
11N20SISO	Ant1	Low	2412	-1.01	-41.19	≤ -21.01	PASS
		High	2462	0.99	-43.5	≤ -19.01	PASS
11N40SISO	Ant1	Low	2422	-3.43	-40.89	≤ -23.43	PASS
		High	2452	-1.66	-39.96	≤ -21.66	PASS

Test Graphs





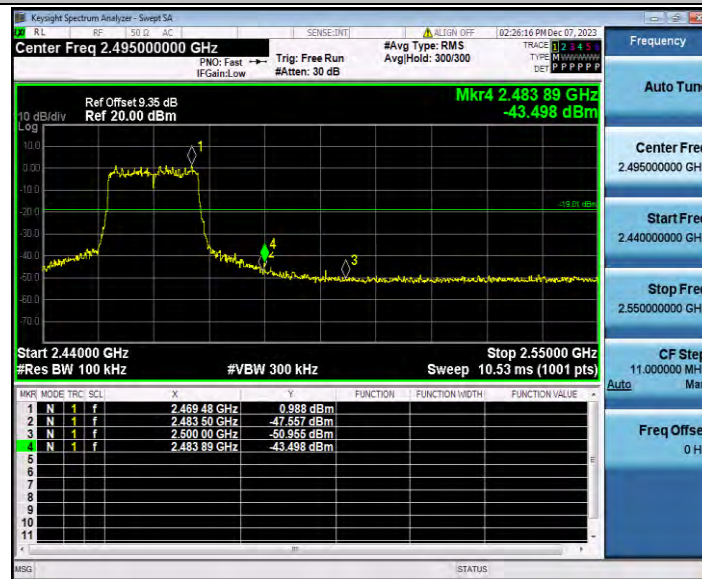
11G_Ant1_Low_2412



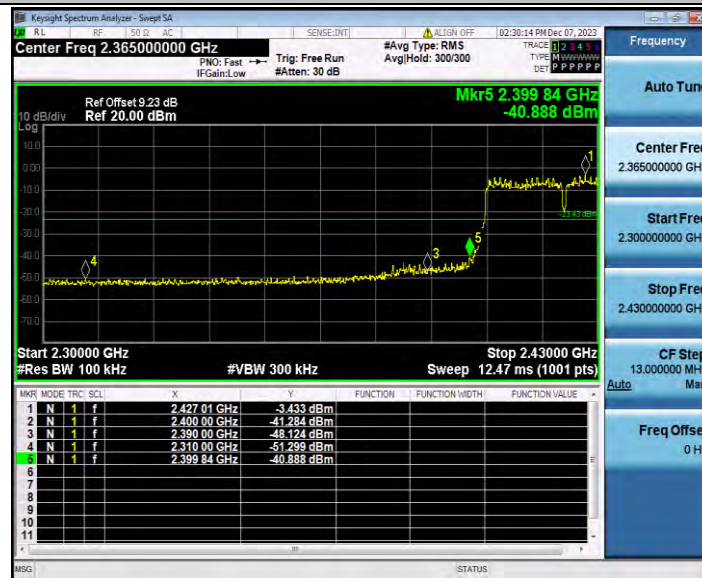
11G_Ant1_High_2462



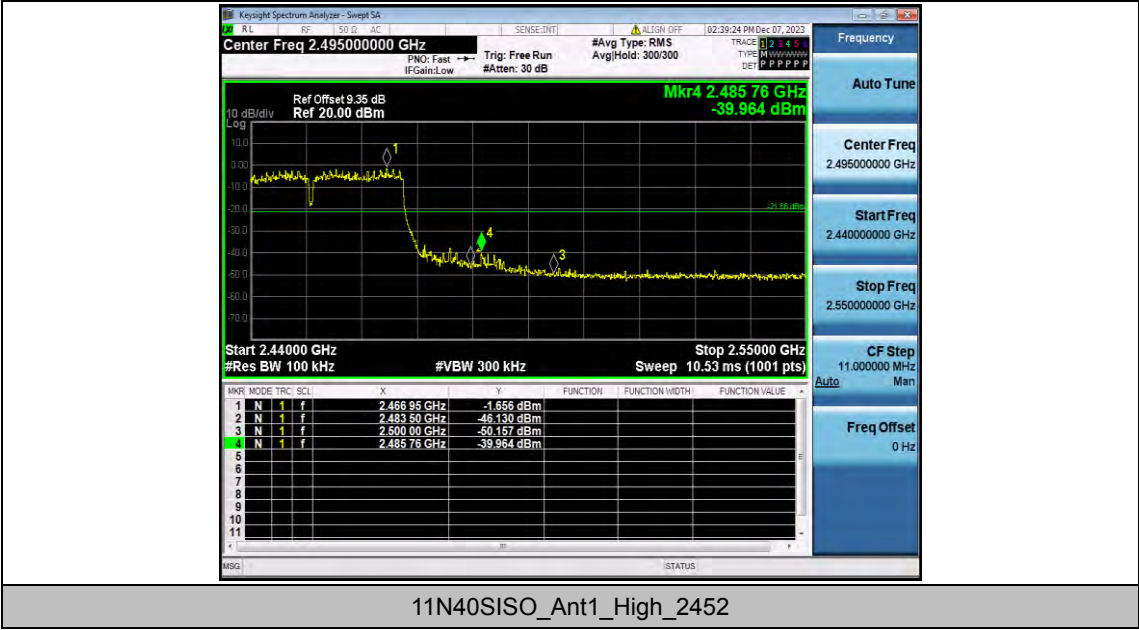
11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422

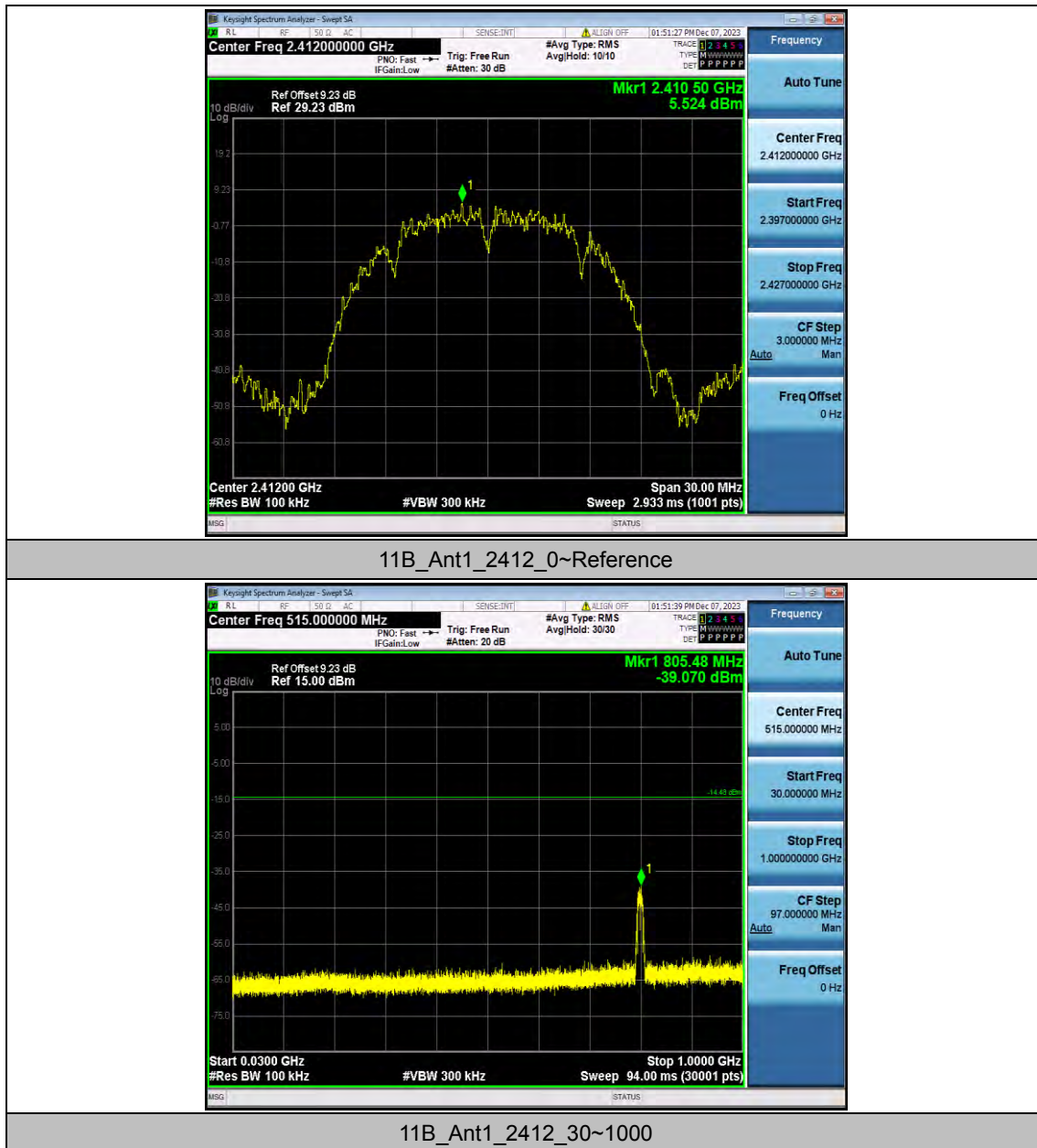


Appendix C.6: Conducted Spurious Emission

Test Result

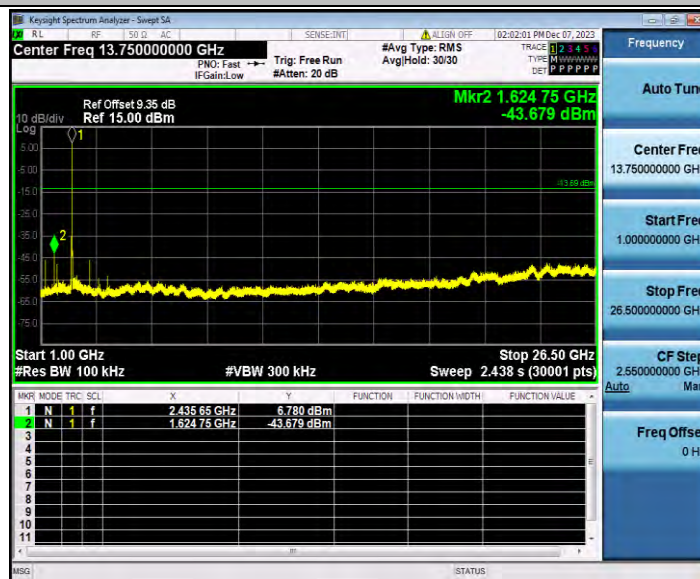
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.52	5.52	---	PASS
			30~1000	5.52	-39.07	≤ -14.48	PASS
			1000~26500	5.52	-44.12	≤ -14.48	PASS
		2437	Reference	6.31	6.31	---	PASS
			30~1000	6.31	-39.69	≤ -13.69	PASS
			1000~26500	6.31	-43.68	≤ -13.69	PASS
		2462	Reference	7.80	7.80	---	PASS
			30~1000	7.80	-40.14	≤ -12.2	PASS
			1000~26500	7.80	-44.48	≤ -12.2	PASS
11G	Ant1	2412	Reference	-0.27	-0.27	---	PASS
			30~1000	-0.27	-41.32	≤ -20.27	PASS
			1000~26500	-0.27	-45.72	≤ -20.27	PASS
		2437	Reference	1.38	1.38	---	PASS
			30~1000	1.38	-44.31	≤ -18.62	PASS
			1000~26500	1.38	-44.93	≤ -18.62	PASS
		2462	Reference	4.50	4.50	---	PASS
			30~1000	4.50	-47.54	≤ -15.5	PASS
			1000~26500	4.50	-44.04	≤ -15.5	PASS
11N20SISO	Ant1	2412	Reference	-1.68	-1.68	---	PASS
			30~1000	-1.68	-44.82	≤ -21.68	PASS
			1000~26500	-1.68	-47.05	≤ -21.68	PASS
		2437	Reference	-0.12	-0.12	---	PASS
			30~1000	-0.12	-44.81	≤ -20.12	PASS
			1000~26500	-0.12	-46.88	≤ -20.12	PASS
		2462	Reference	-1.32	-1.32	---	PASS
			30~1000	-1.32	-46.79	≤ -21.32	PASS
			1000~26500	-1.32	-47.1	≤ -21.32	PASS
11N40SISO	Ant1	2422	Reference	-3.99	-3.99	---	PASS
			30~1000	-3.99	-46.05	≤ -23.99	PASS
			1000~26500	-3.99	-47.86	≤ -23.99	PASS
		2437	Reference	-2.18	-2.18	---	PASS
			30~1000	-2.18	-47.43	≤ -22.18	PASS
			1000~26500	-2.18	-47.44	≤ -22.18	PASS
		2452	Reference	-2.60	-2.60	---	PASS
			30~1000	-2.60	-49.51	≤ -22.6	PASS
			1000~26500	-2.60	-47.33	≤ -22.6	PASS

Test Graphs





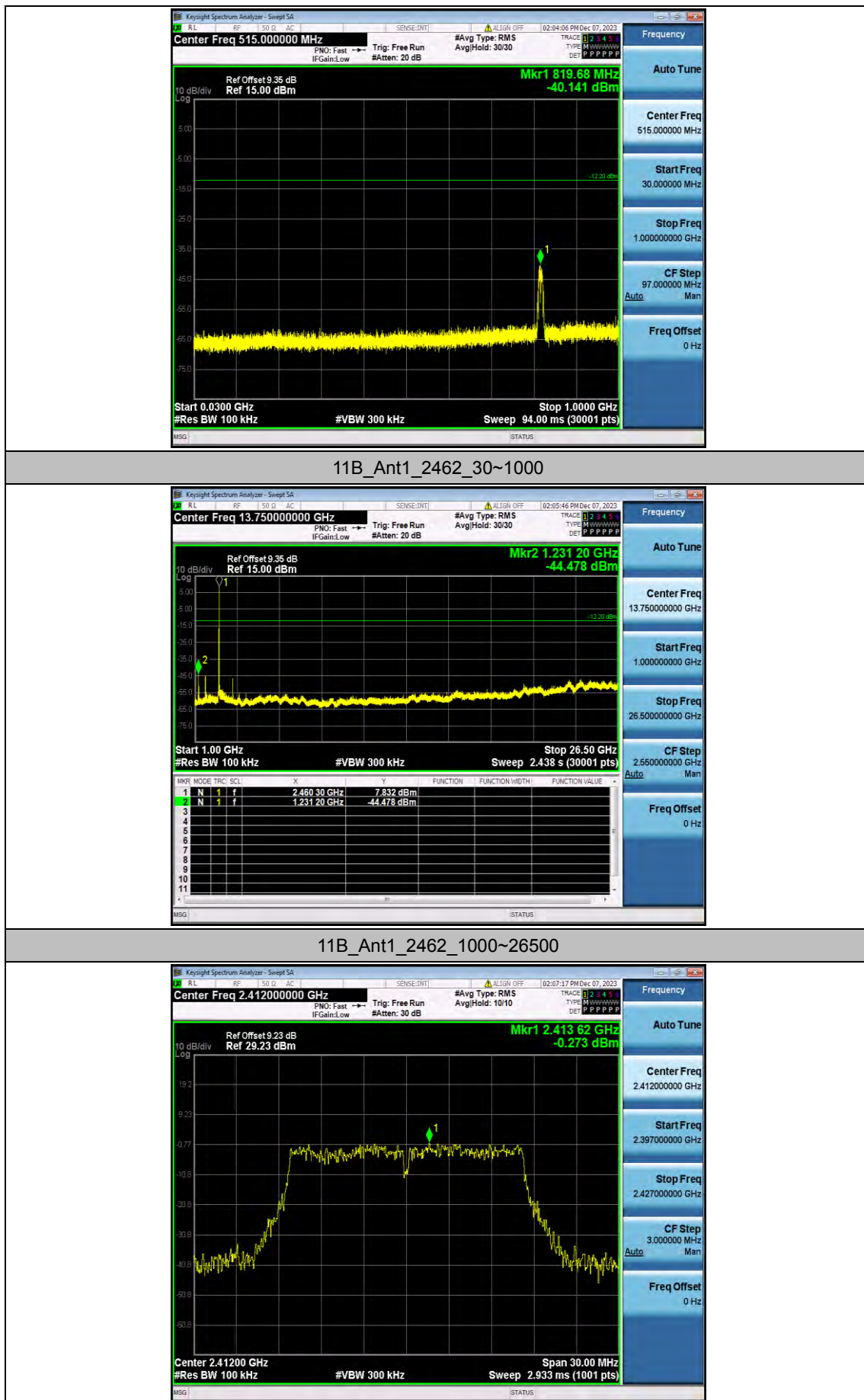
11B_Ant1_2437_30~1000



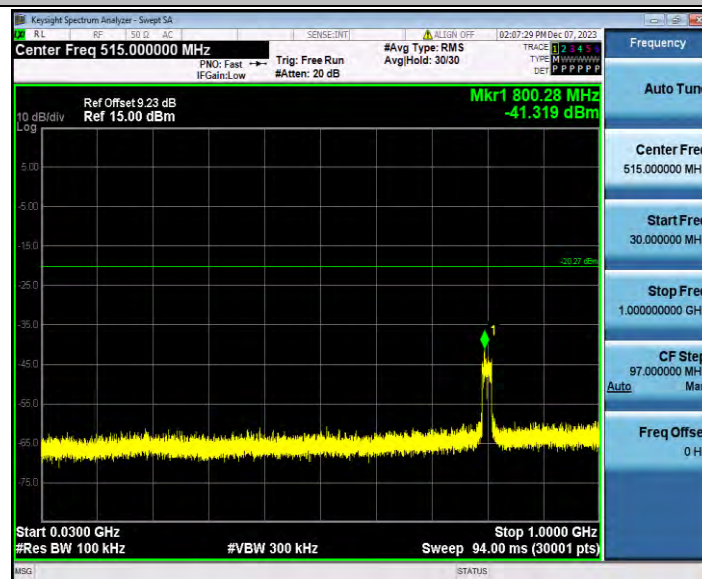
11B_Ant1_2437_1000~26500



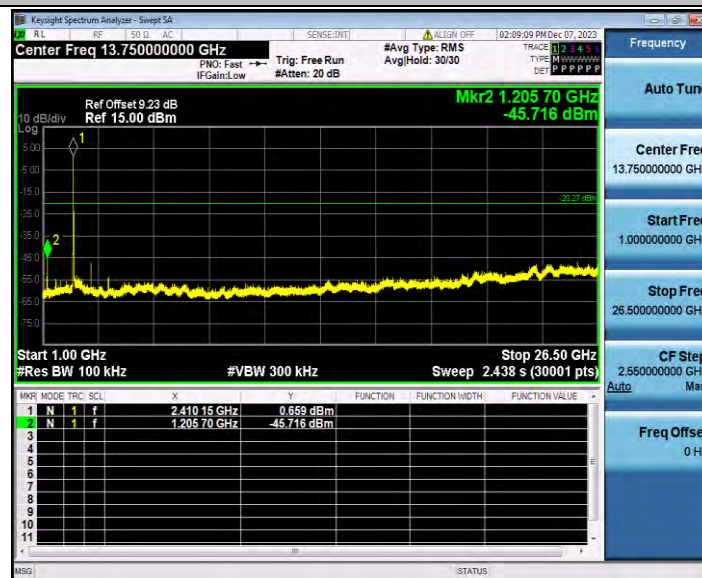
11B_Ant1_2462_0~Reference



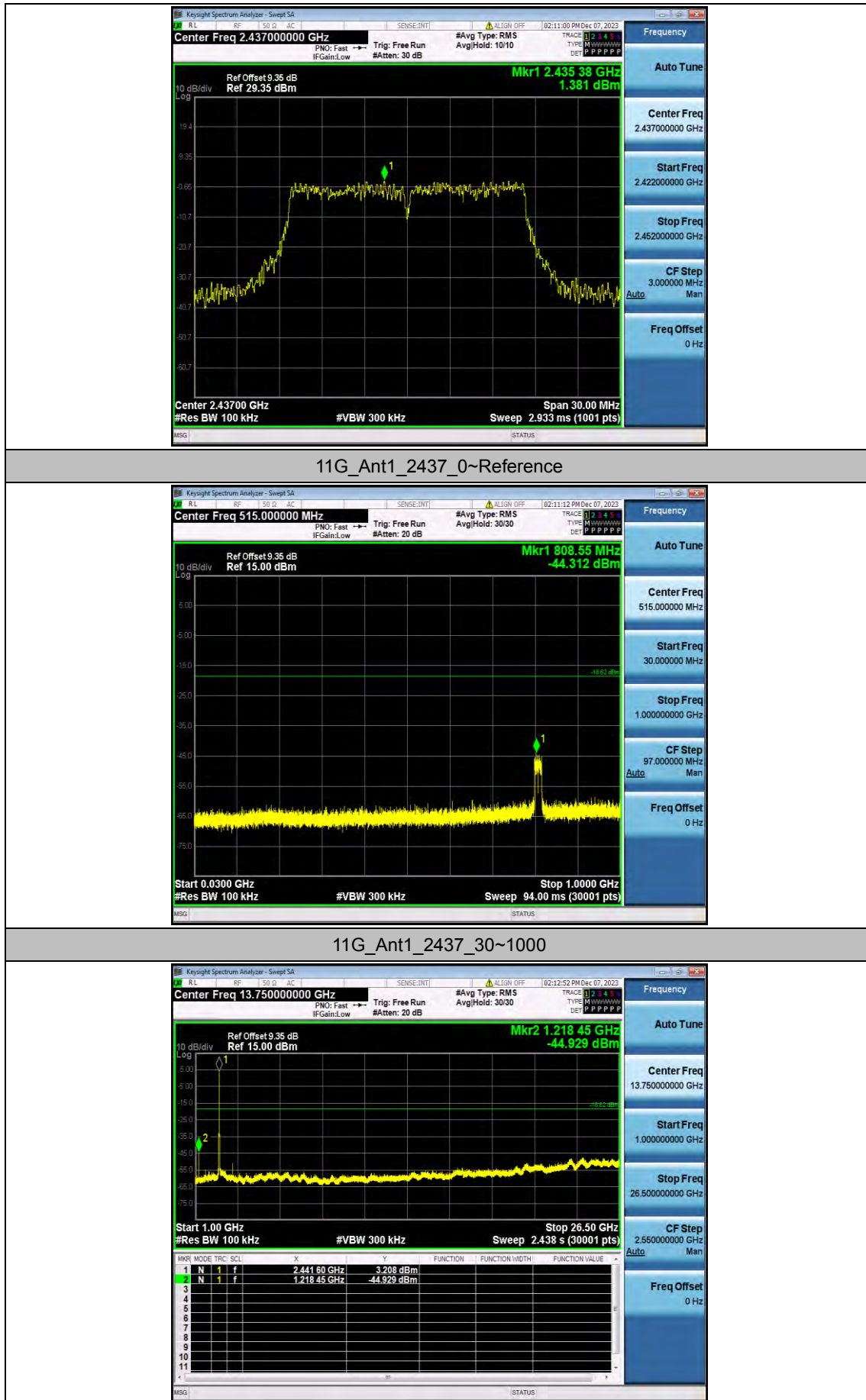
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



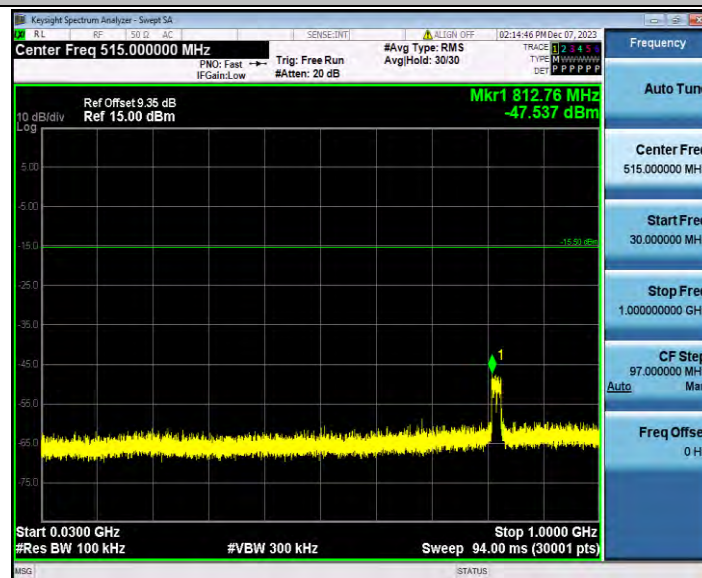
11G_Ant1_2412_1000~26500



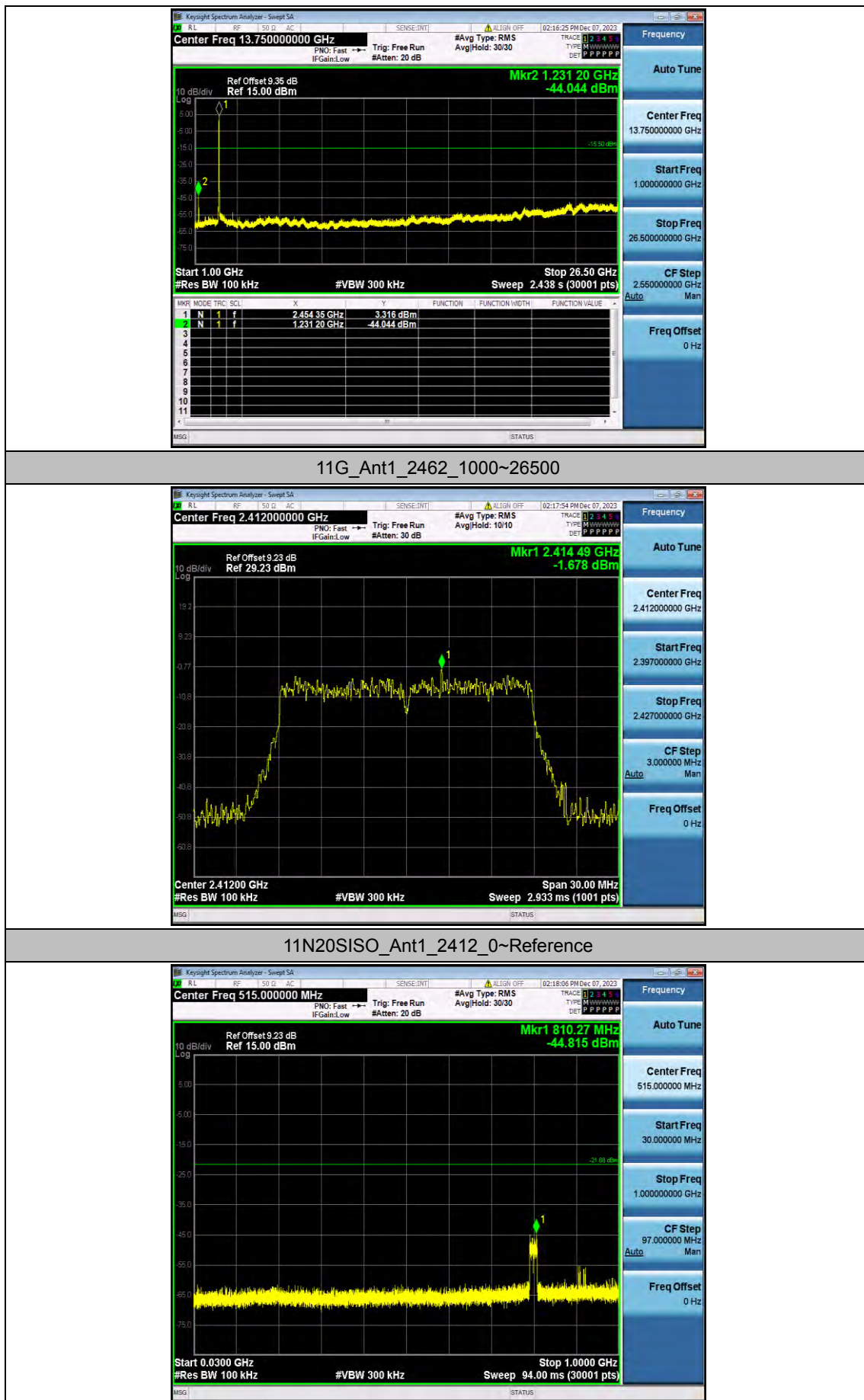
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



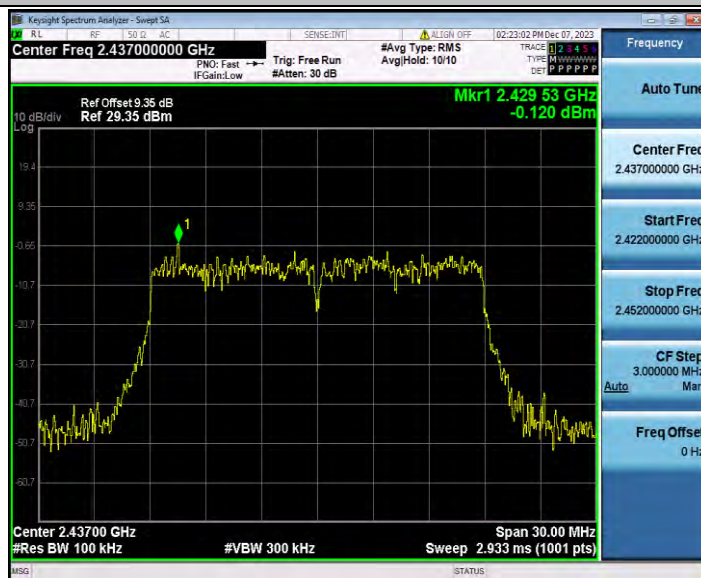
11G_Ant1_2462_30~1000



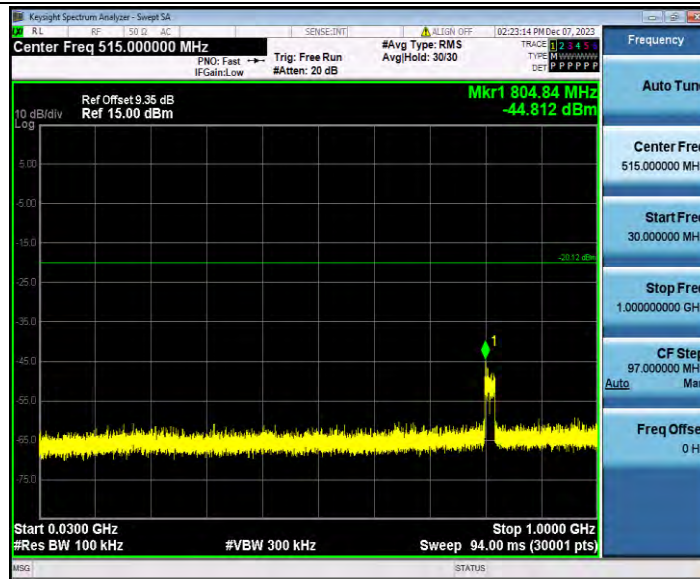
11N20SISO_Ant1_2412_30~1000



11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



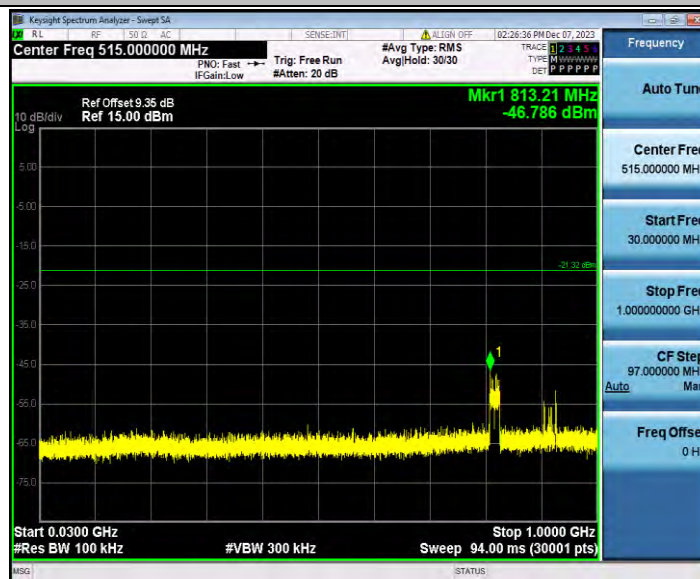
11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



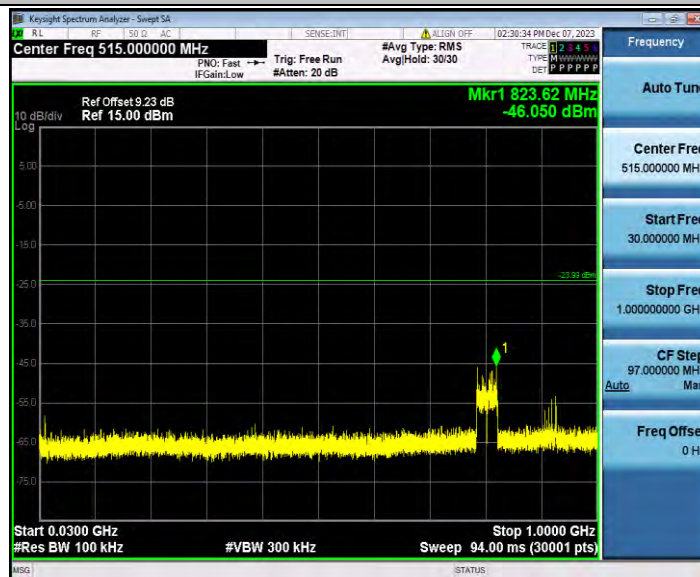
11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference



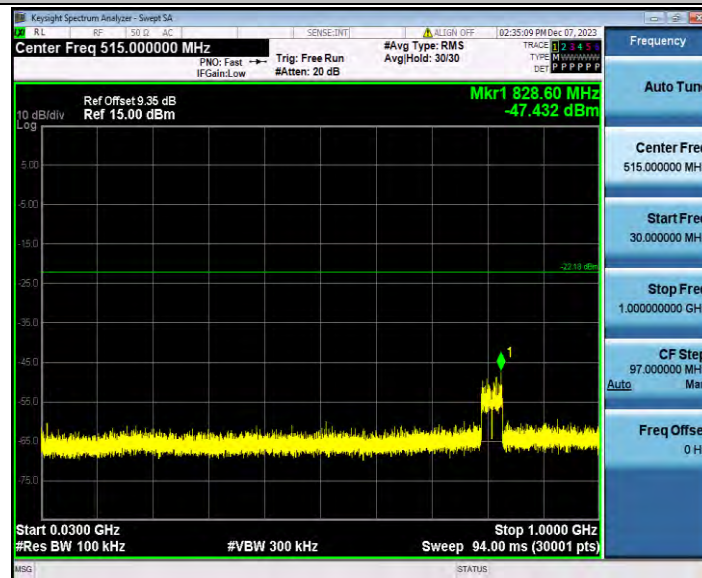
11N40SISO_Ant1_2422_30~1000



11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000

