

Case No. : <u>CTA24081600603</u>	
Ambient Condition: <u>22</u> °C, <u>52</u> %RH, According Standard: ■PART 15C	
Test Date: <u>2024.8.13</u>	Test Engineer: <u>Lushan Kong</u>

Appendix C.1: DTS Bandwidth

Test Result

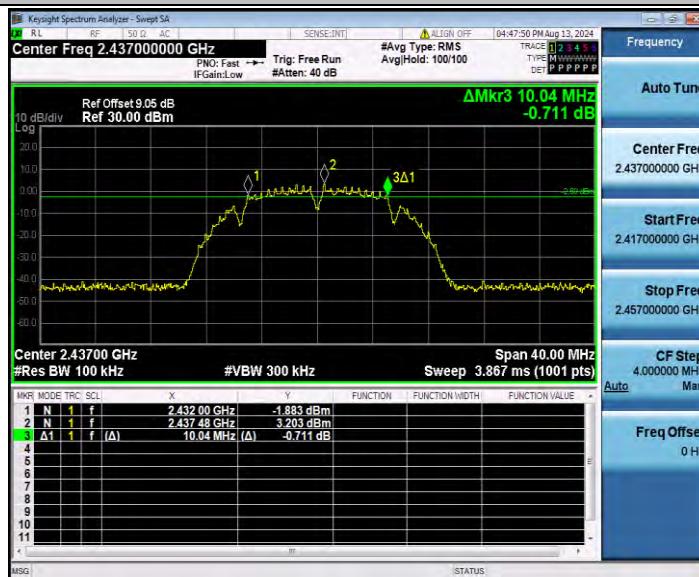
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.120	2406.920	2417.040	0.5	PASS
		2437	10.040	2432.000	2442.040	0.5	PASS
		2462	10.080	2456.960	2467.040	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.320	2403.480	2420.800	0.5	PASS
		2437	17.480	2428.280	2445.760	0.5	PASS
		2462	17.520	2453.240	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	36.080	2434.080	2470.160	0.5	PASS

Test Graphs

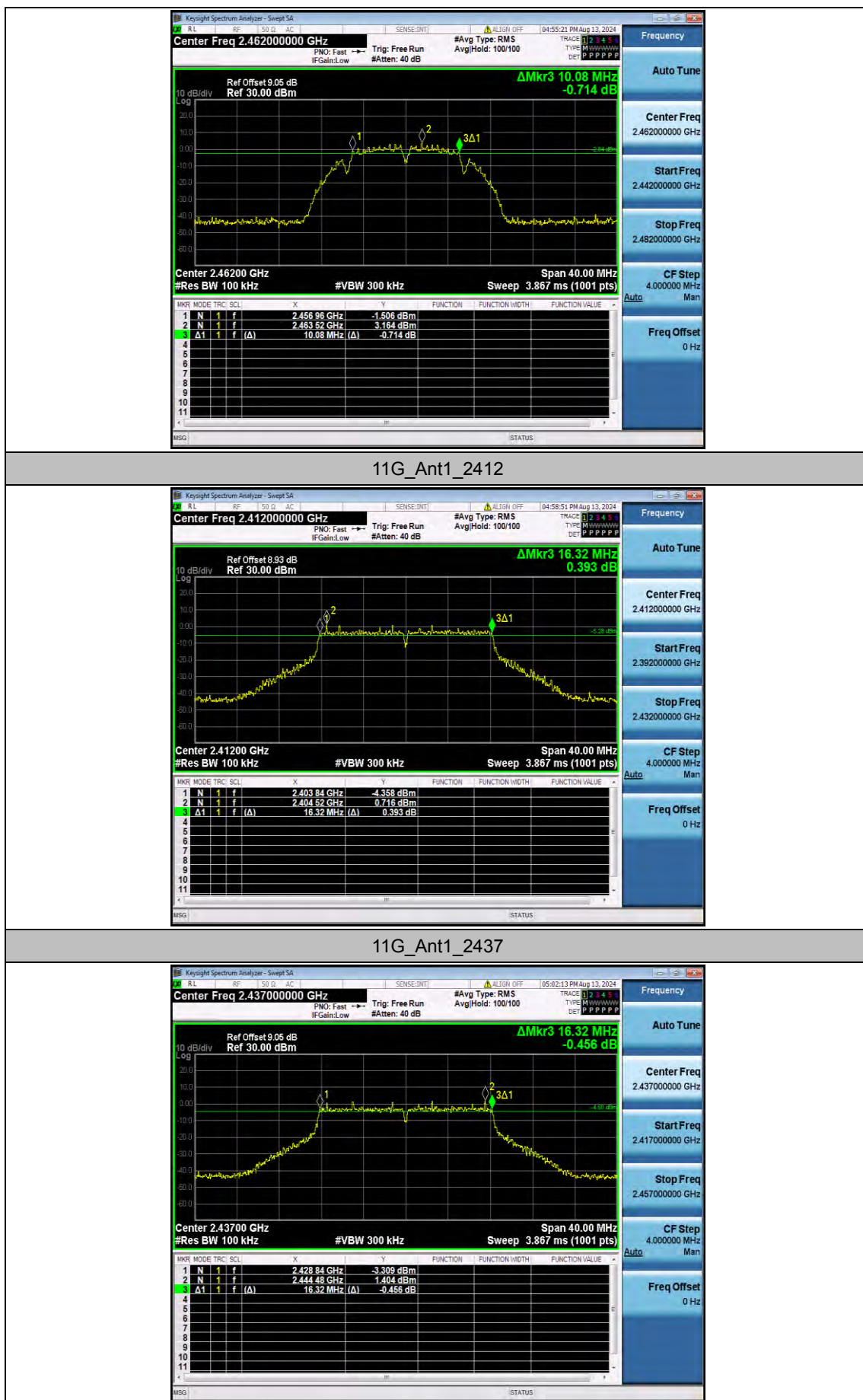
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



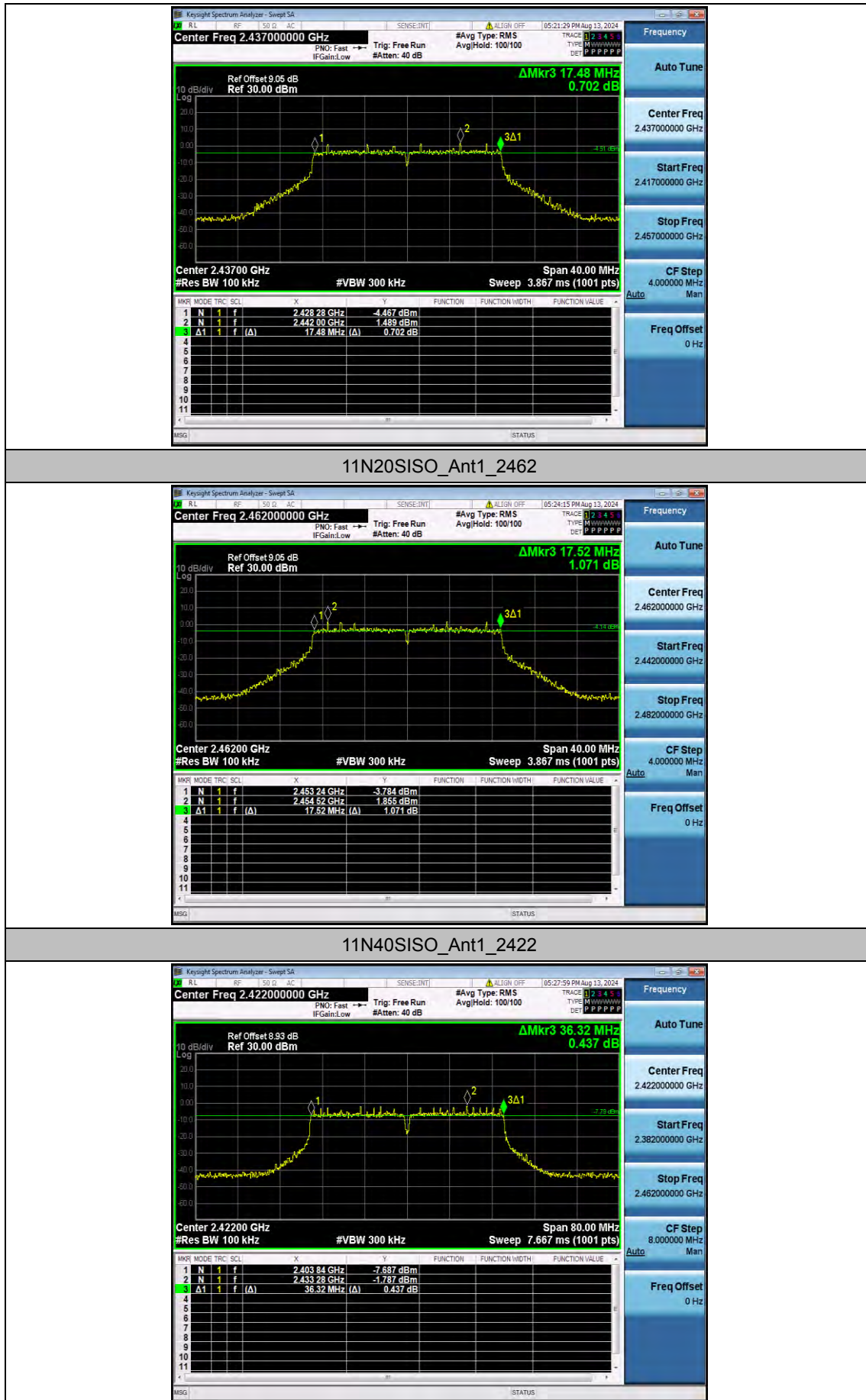
11G_Ant1_2462



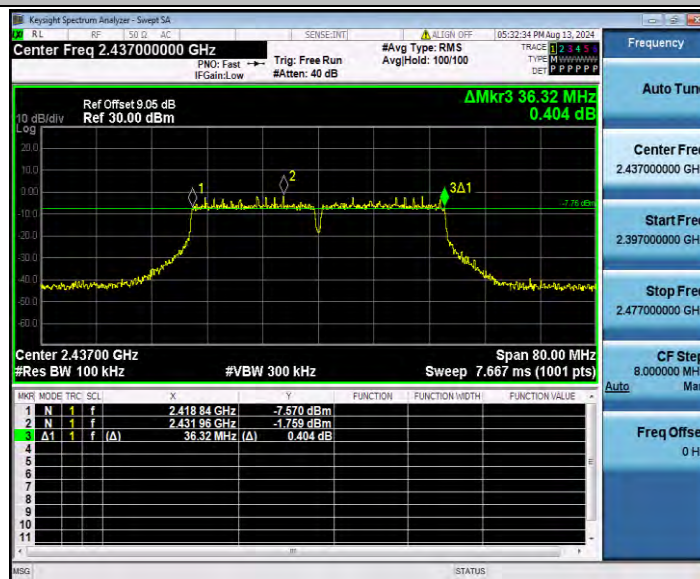
11N20SISO_Ant1_2412



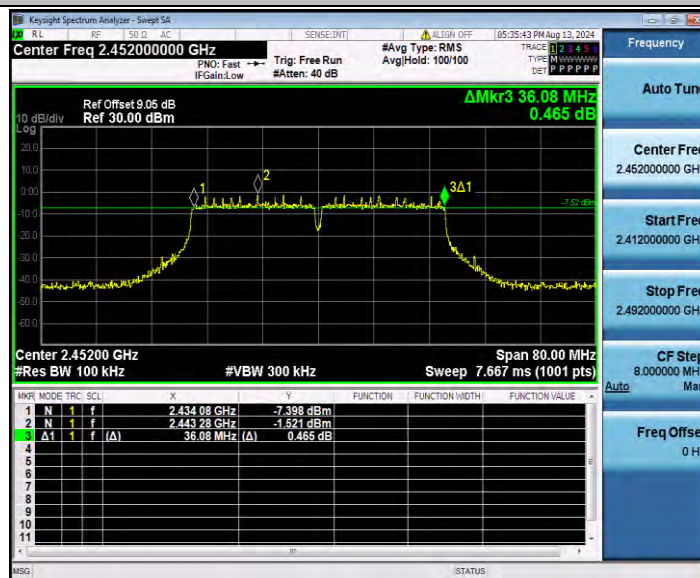
11N20SISO_Ant1_2437



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



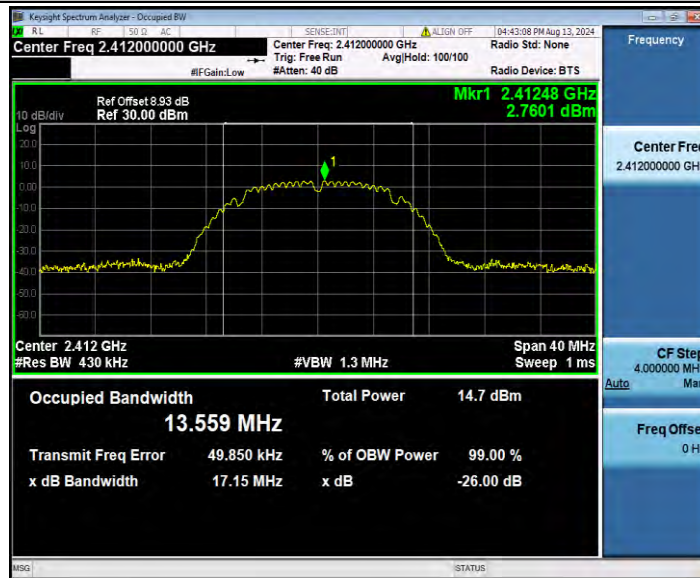
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.559	2405.2704	2418.8294	---	---
		2437	13.472	2430.3010	2443.7730	---	---
		2462	13.453	2455.2534	2468.7064	---	---
11G	Ant1	2412	17.142	2403.4671	2420.6091	---	---
		2437	17.133	2428.4599	2445.5929	---	---
		2462	17.177	2453.4127	2470.5897	---	---
11N20SISO	Ant1	2412	18.291	2402.9057	2421.1967	---	---
		2437	18.222	2427.9320	2446.1540	---	---
		2462	18.280	2452.8529	2471.1329	---	---
11N40SISO	Ant1	2422	36.569	2403.7829	2440.3519	---	---
		2437	36.554	2418.7450	2455.2990	---	---
		2452	36.426	2433.7914	2470.2174	---	---

Test Graphs

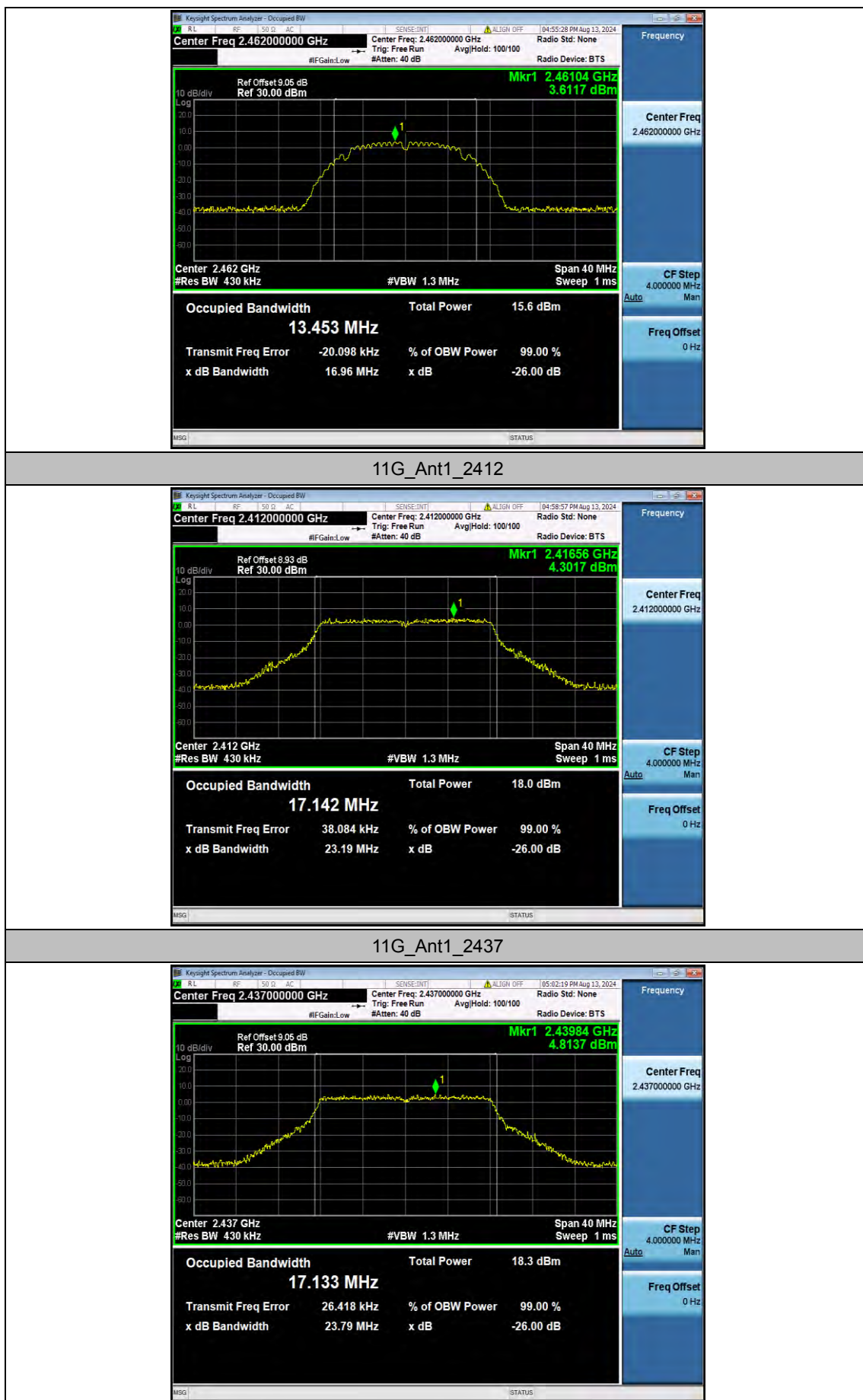
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



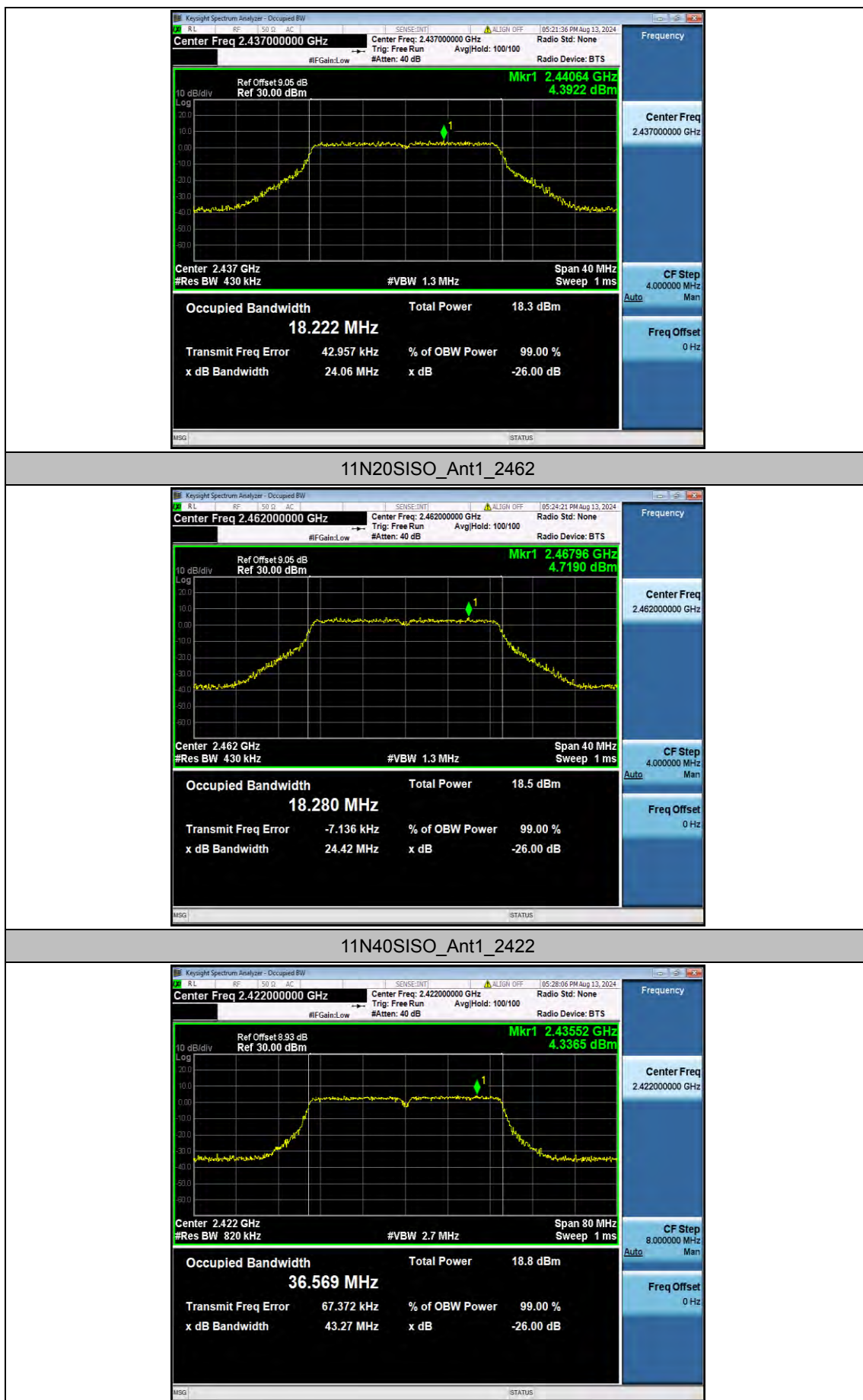
11G_Ant1_2462



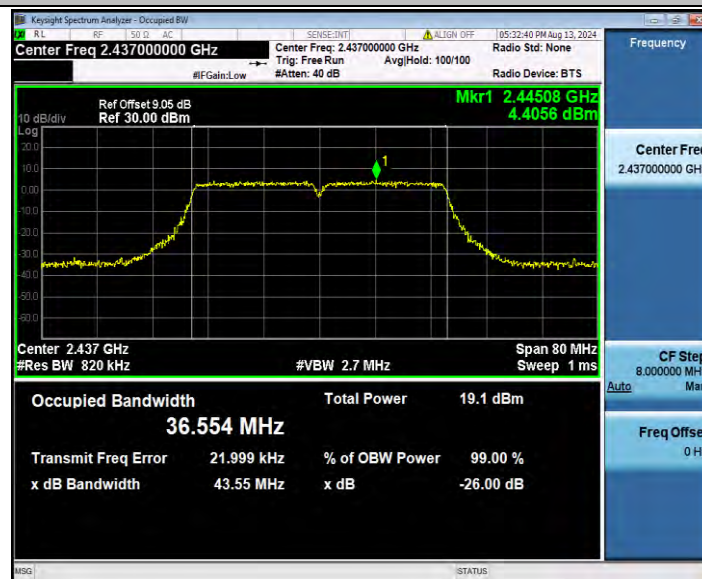
11N20SISO_Ant1_2412



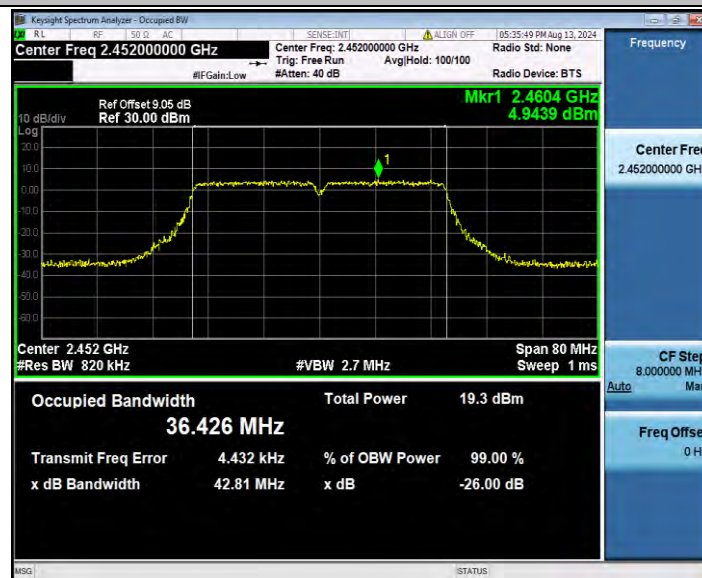
11N20SISO_Ant1_2437



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.78	≤30.00	PASS
		2437	15.17	≤30.00	PASS
		2462	15.62	≤30.00	PASS
11G	Ant1	2412	19.00	≤30.00	PASS
		2437	19.37	≤30.00	PASS
		2462	19.76	≤30.00	PASS
11N20SISO	Ant1	2412	18.92	≤30.00	PASS
		2437	19.30	≤30.00	PASS
		2462	19.70	≤30.00	PASS
11N40SISO	Ant1	2422	19.12	≤30.00	PASS
		2437	19.33	≤30.00	PASS
		2452	19.58	≤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	-12.15	≤8.00	PASS
		2437	-10.71	≤8.00	PASS
		2462	-9.90	≤8.00	PASS
11G	Ant1	2412	-12.78	≤8.00	PASS
		2437	-12.12	≤8.00	PASS
		2462	-12.22	≤8.00	PASS
11N20SISO	Ant1	2412	-12.94	≤8.00	PASS
		2437	-12.97	≤8.00	PASS
		2462	-12.52	≤8.00	PASS
11N40SISO	Ant1	2422	-17.21	≤8.00	PASS
		2437	-15.55	≤8.00	PASS
		2452	-16.04	≤8.00	PASS

Test Graphs

11B_Ant1_2412



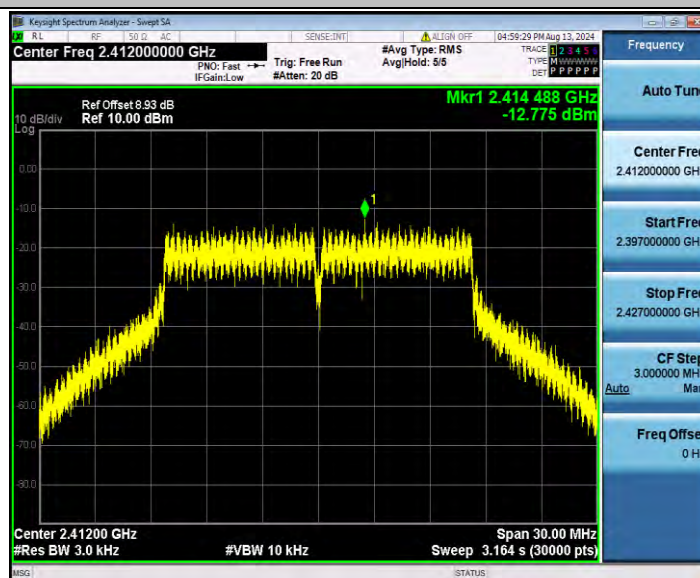
11B_Ant1_2437



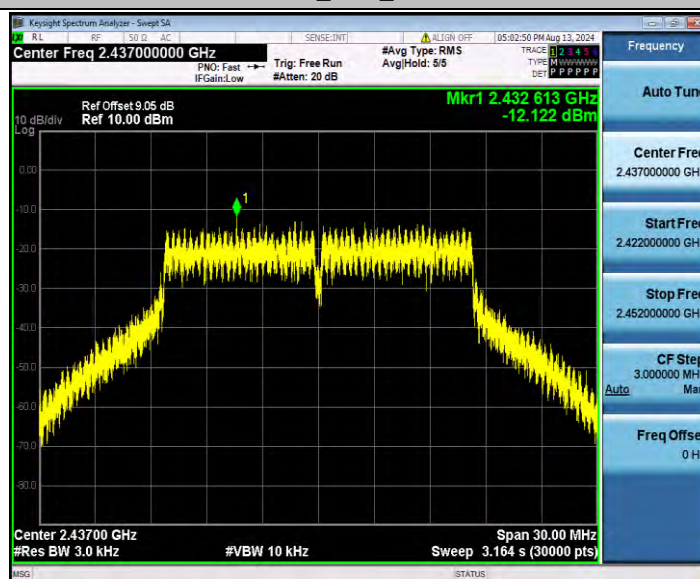
11B_Ant1_2462



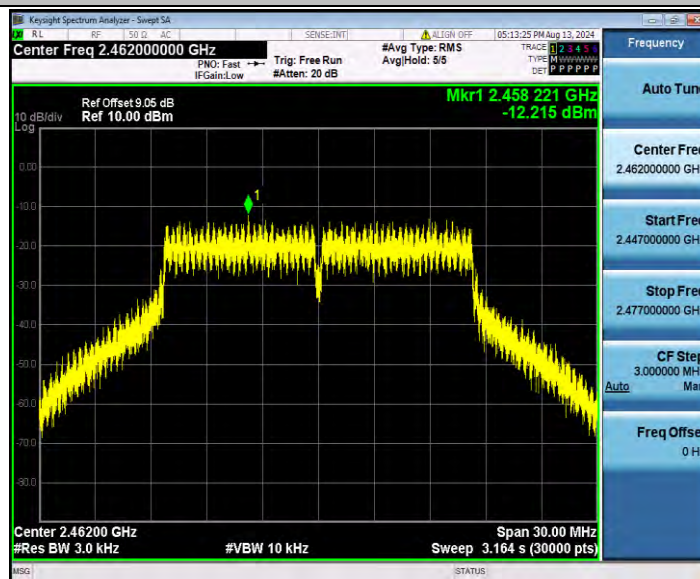
11G_Ant1_2412



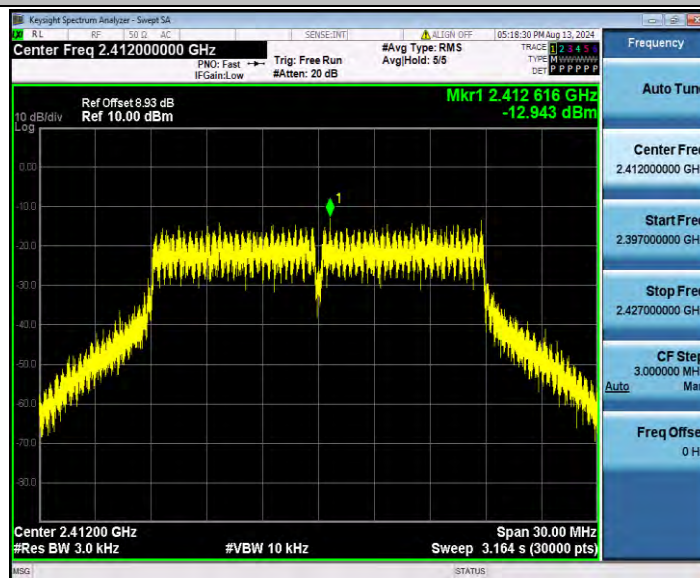
11G_Ant1_2437



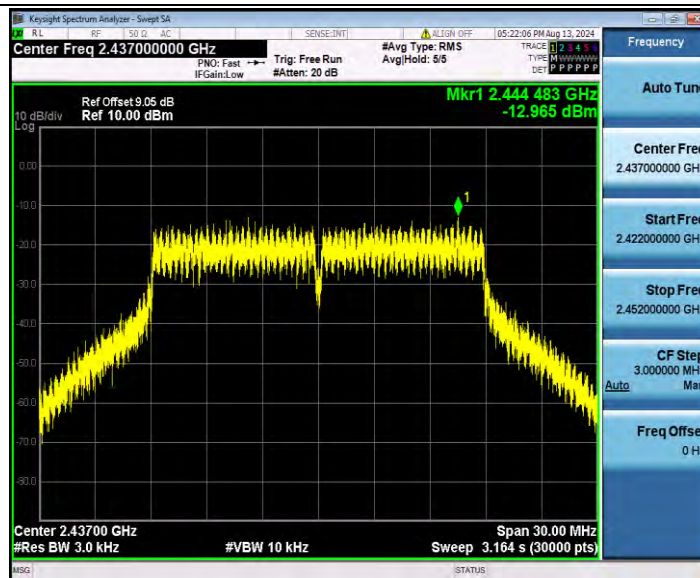
11G_Ant1_2462



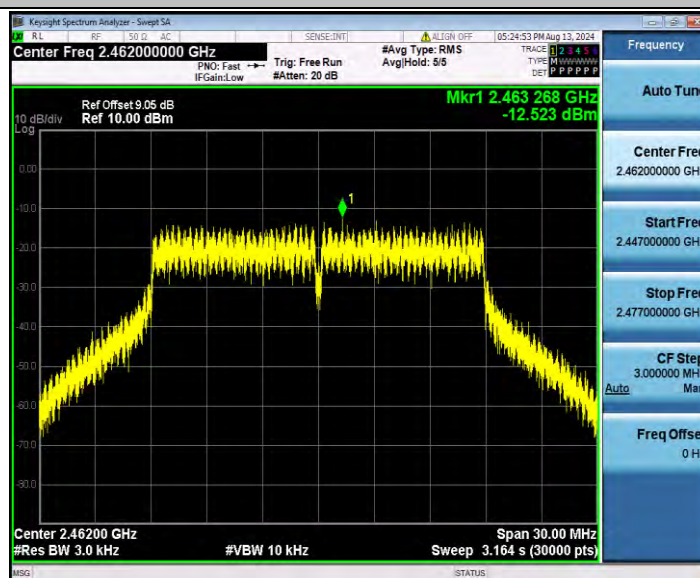
11N20SISO_Ant1_2412



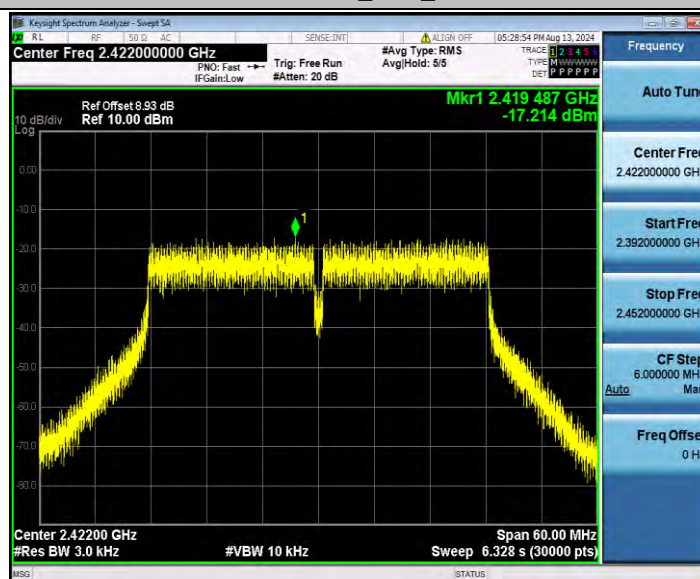
11N20SISO_Ant1_2437



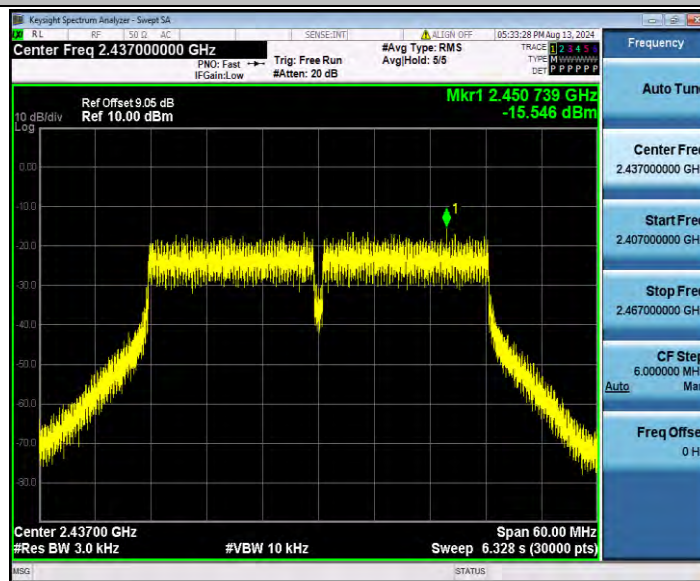
11N20SISO_Ant1_2462



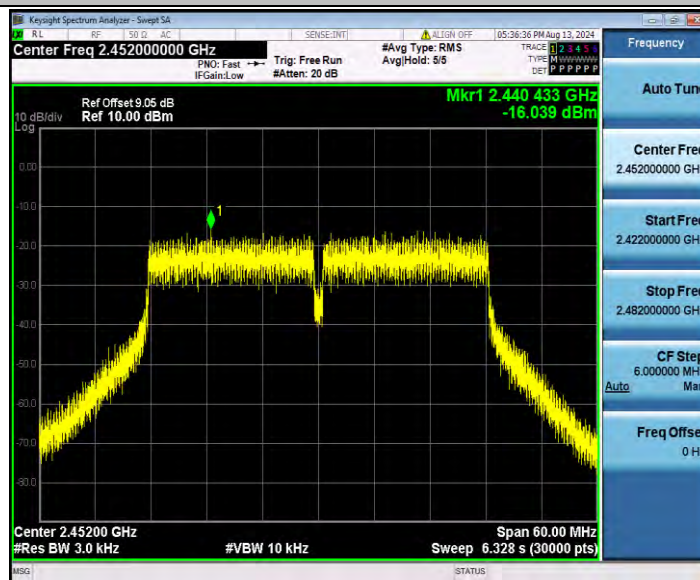
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



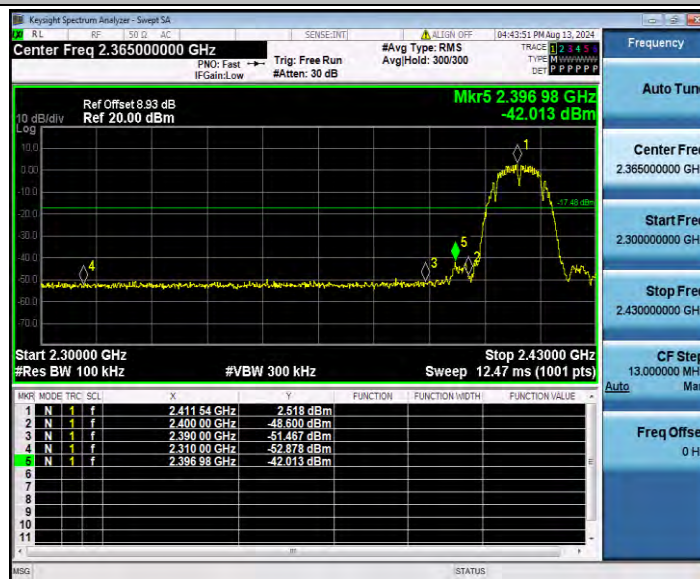
Appendix C.5: Band edge measurements

Test Result

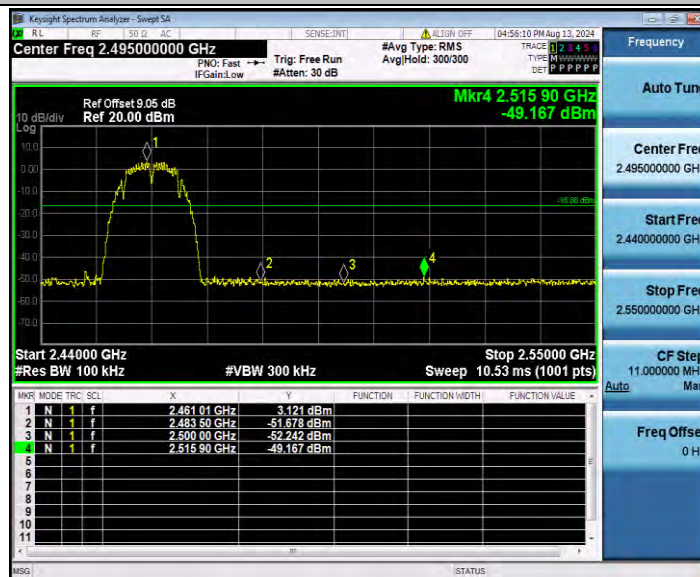
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.52	-42.01	≤ -17.48	PASS
		High	2462	3.12	-49.17	≤ -16.88	PASS
11G	Ant1	Low	2412	1.21	-28.21	≤ -18.79	PASS
		High	2462	1.89	-48.87	≤ -18.12	PASS
11N20SISO	Ant1	Low	2412	1.21	-29.26	≤ -18.79	PASS
		High	2462	1.73	-49.14	≤ -18.27	PASS
11N40SISO	Ant1	Low	2422	-2.07	-30.23	≤ -22.07	PASS
		High	2452	-1.47	-45.73	≤ -21.47	PASS

Test Graphs

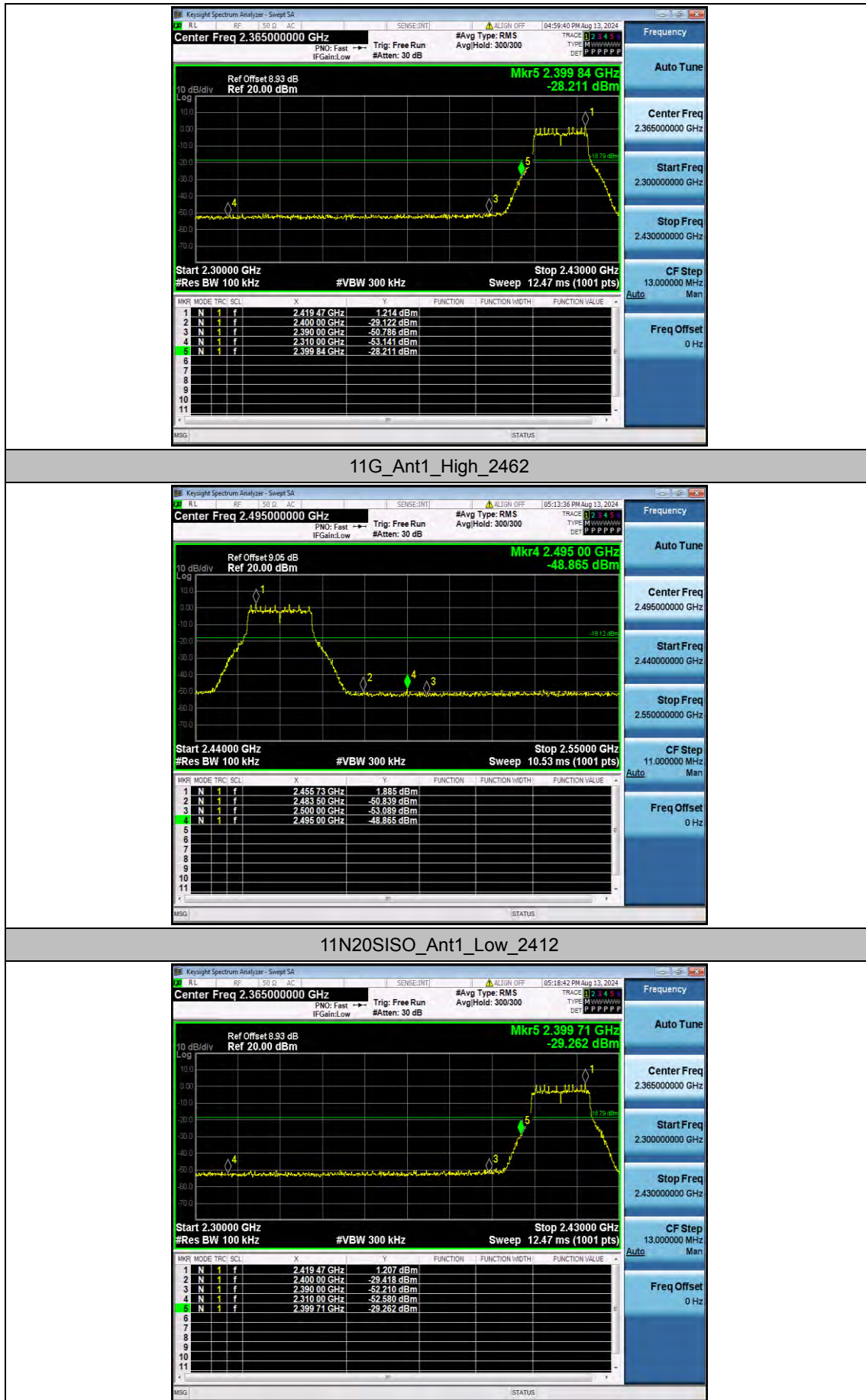
11B_Ant1_Low_2412



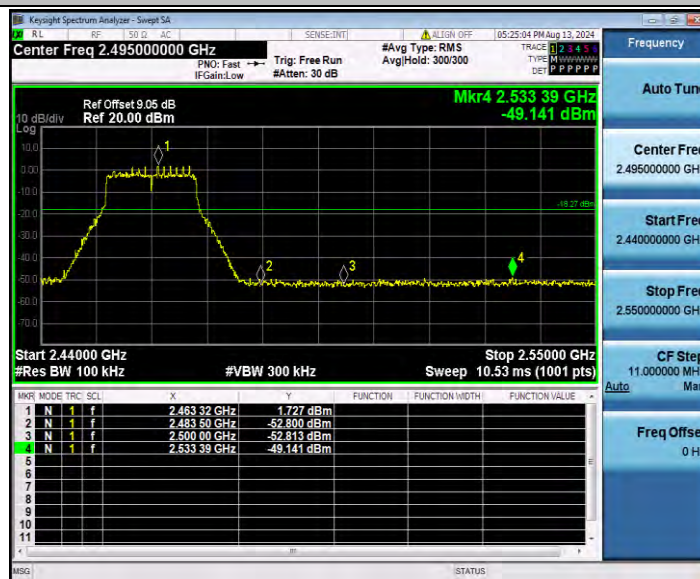
11B_Ant1_High_2462



11G_Ant1_Low_2412



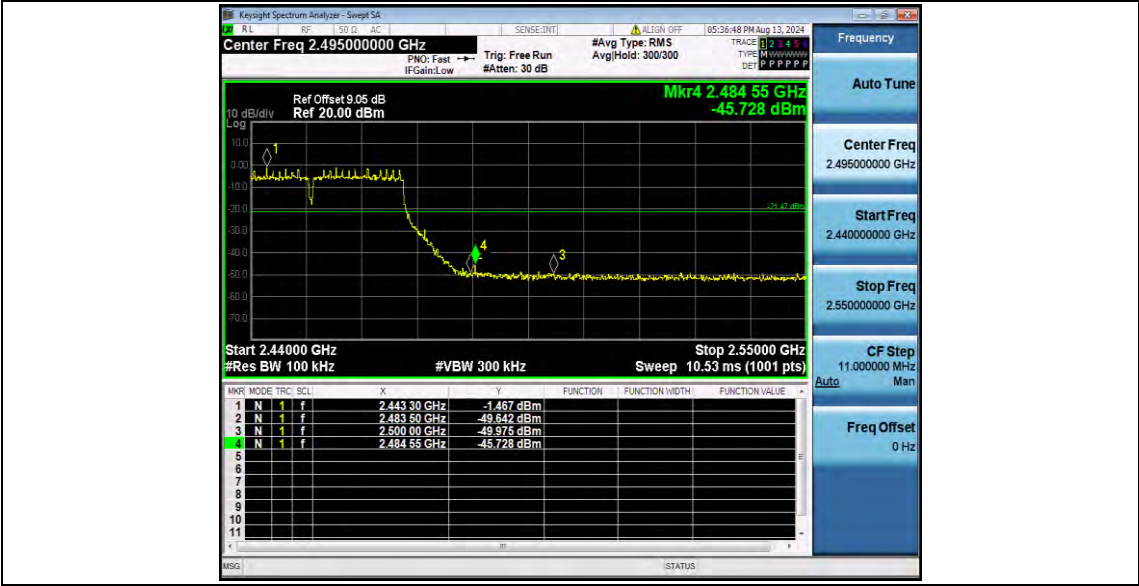
11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

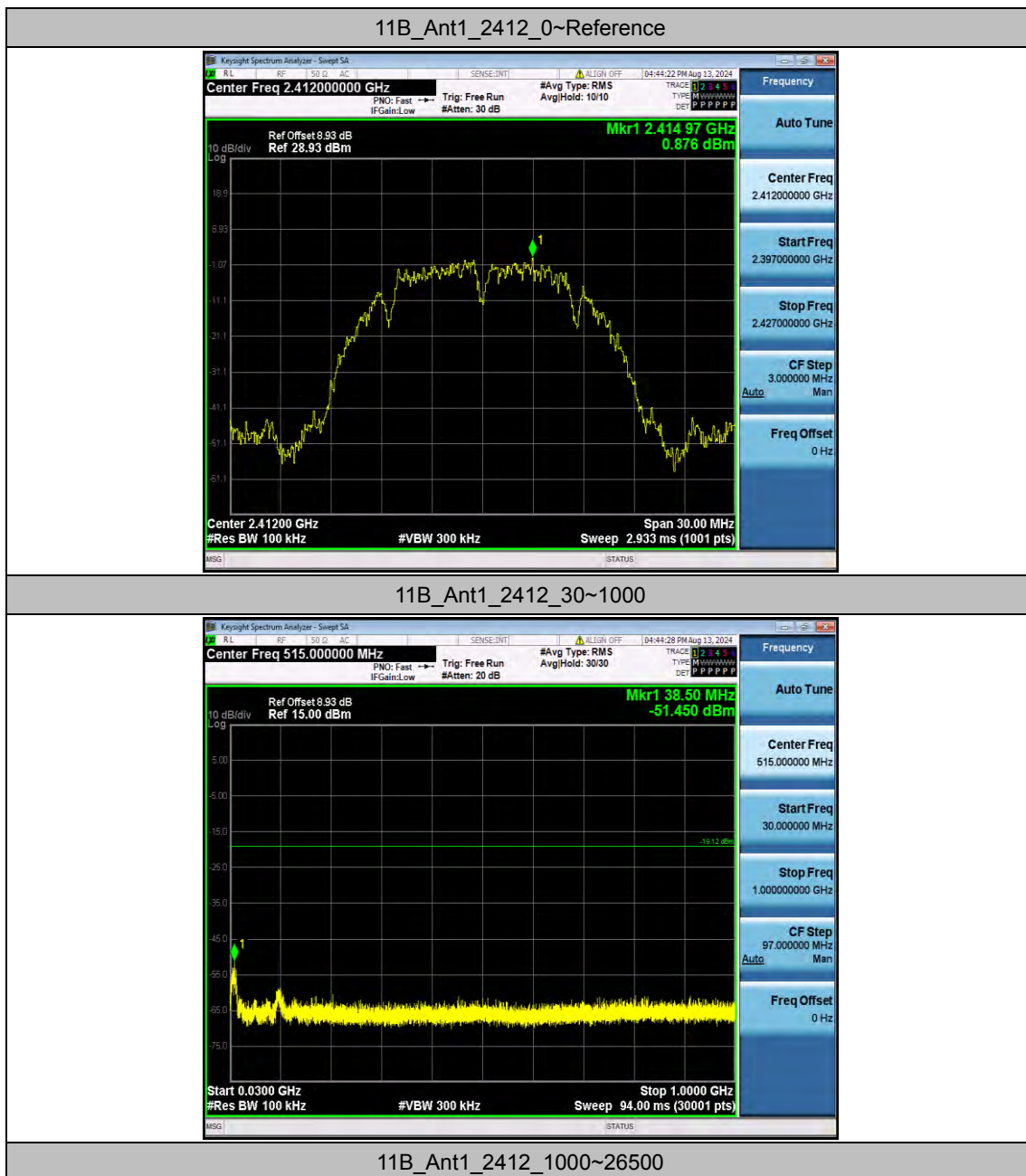


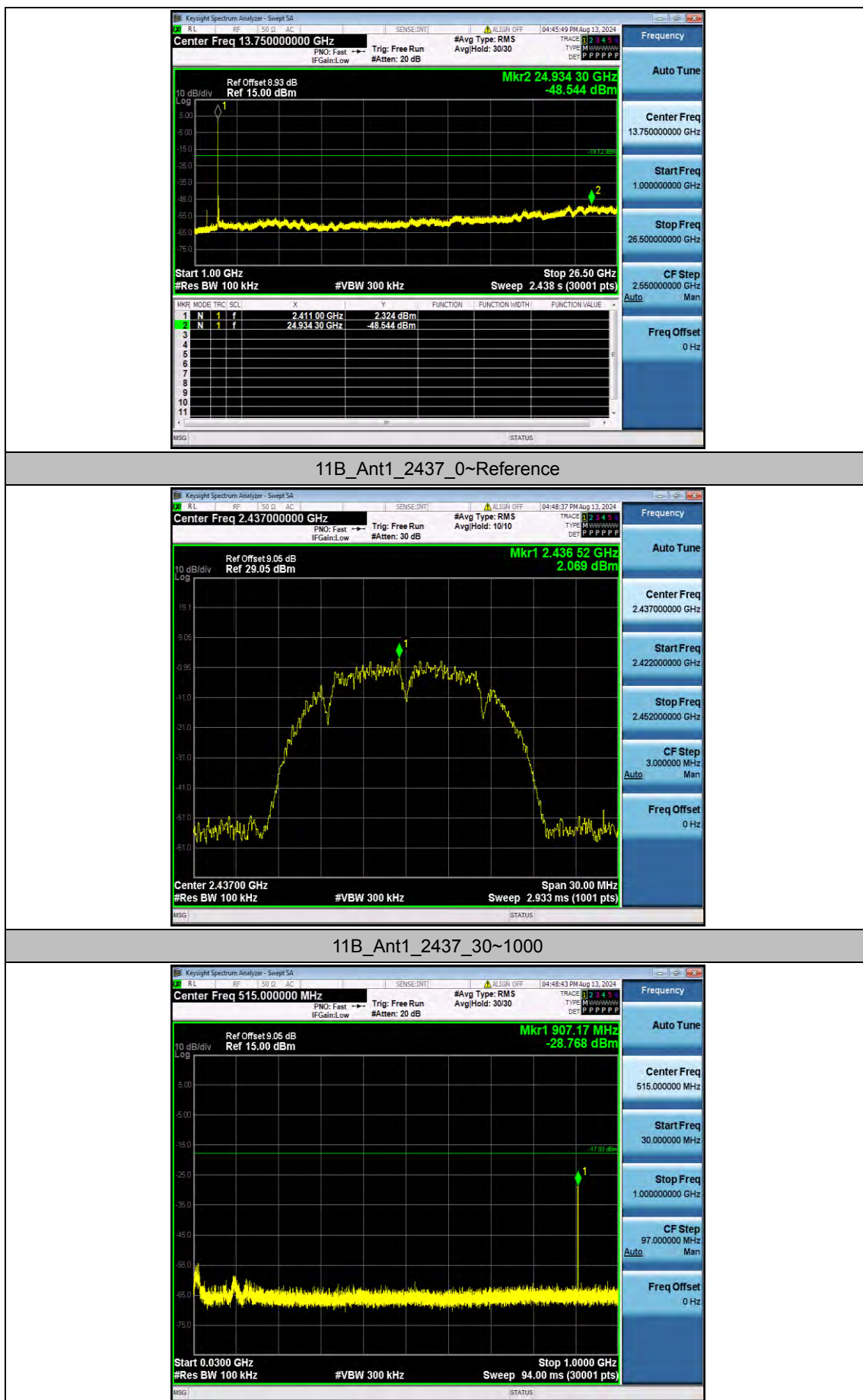
Appendix C.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	0.88	0.88	---	PASS
			30~1000	0.88	-51.45	≤ -19.12	PASS
			1000~26500	0.88	-48.54	≤ -19.12	PASS
		2437	Reference	2.07	2.07	---	PASS
			30~1000	2.07	-28.77	≤ -17.93	PASS
			1000~26500	2.07	-47.59	≤ -17.93	PASS
		2462	Reference	2.24	2.24	---	PASS
			30~1000	2.24	-55.84	≤ -17.76	PASS
			1000~26500	2.24	-47.45	≤ -17.76	PASS
11G	Ant1	2412	Reference	0.66	0.66	---	PASS
			30~1000	0.66	-55.25	≤ -19.34	PASS
			1000~26500	0.66	-47.44	≤ -19.34	PASS
		2437	Reference	-1.93	-1.93	---	PASS
			30~1000	-1.93	-55.6	≤ -21.93	PASS
			1000~26500	-1.93	-47.59	≤ -21.93	PASS
		2462	Reference	1.41	1.41	---	PASS
			30~1000	1.41	-54.92	≤ -18.59	PASS
			1000~26500	1.41	-48.02	≤ -18.59	PASS
11N20SISO	Ant1	2412	Reference	-3.01	-3.01	---	PASS
			30~1000	-3.01	-56.75	≤ -23.01	PASS
			1000~26500	-3.01	-47.78	≤ -23.01	PASS
		2437	Reference	-1.65	-1.65	---	PASS
			30~1000	-1.65	-56.5	≤ -21.65	PASS
			1000~26500	-1.65	-31.56	≤ -21.65	PASS
		2462	Reference	-1.61	-1.61	---	PASS
			30~1000	-1.61	-55.07	≤ -21.61	PASS
			1000~26500	-1.61	-31.96	≤ -21.61	PASS
11N40SISO	Ant1	2422	Reference	-2.43	-2.43	---	PASS
			30~1000	-2.43	-54.11	≤ -22.43	PASS
			1000~26500	-2.43	-47.13	≤ -22.43	PASS
		2437	Reference	-2.03	-2.03	---	PASS
			30~1000	-2.03	-55.83	≤ -22.03	PASS
			1000~26500	-2.03	-48	≤ -22.03	PASS
		2452	Reference	-1.64	-1.64	---	PASS
			30~1000	-1.64	-56.04	≤ -21.64	PASS
			1000~26500	-1.64	-42.45	≤ -21.64	PASS

Test Graphs





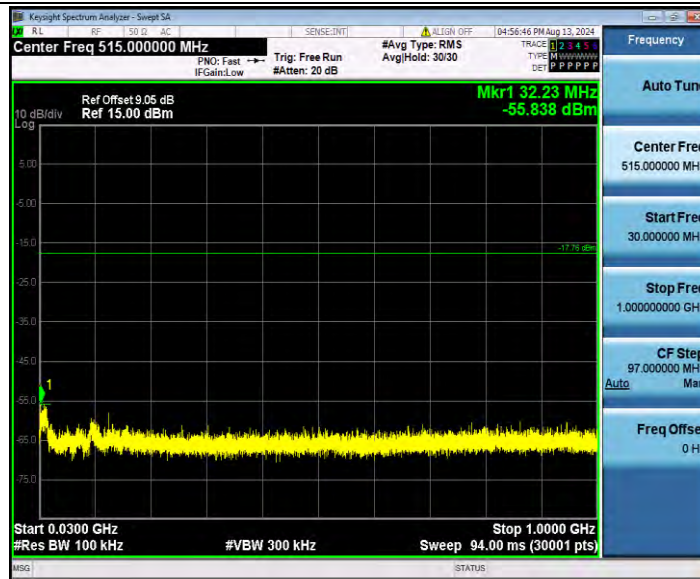
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



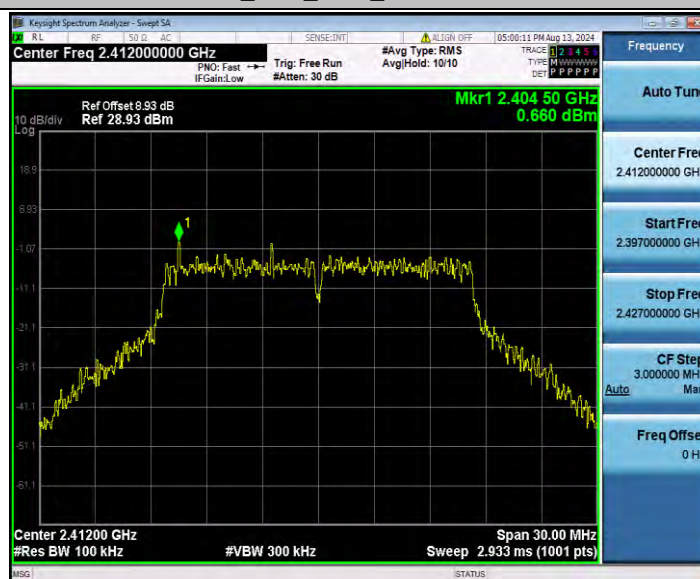
11B_Ant1_2462_30~1000



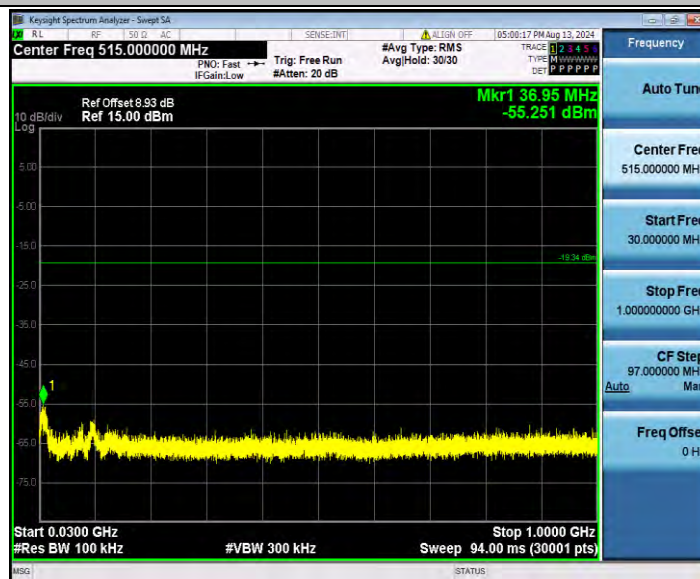
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



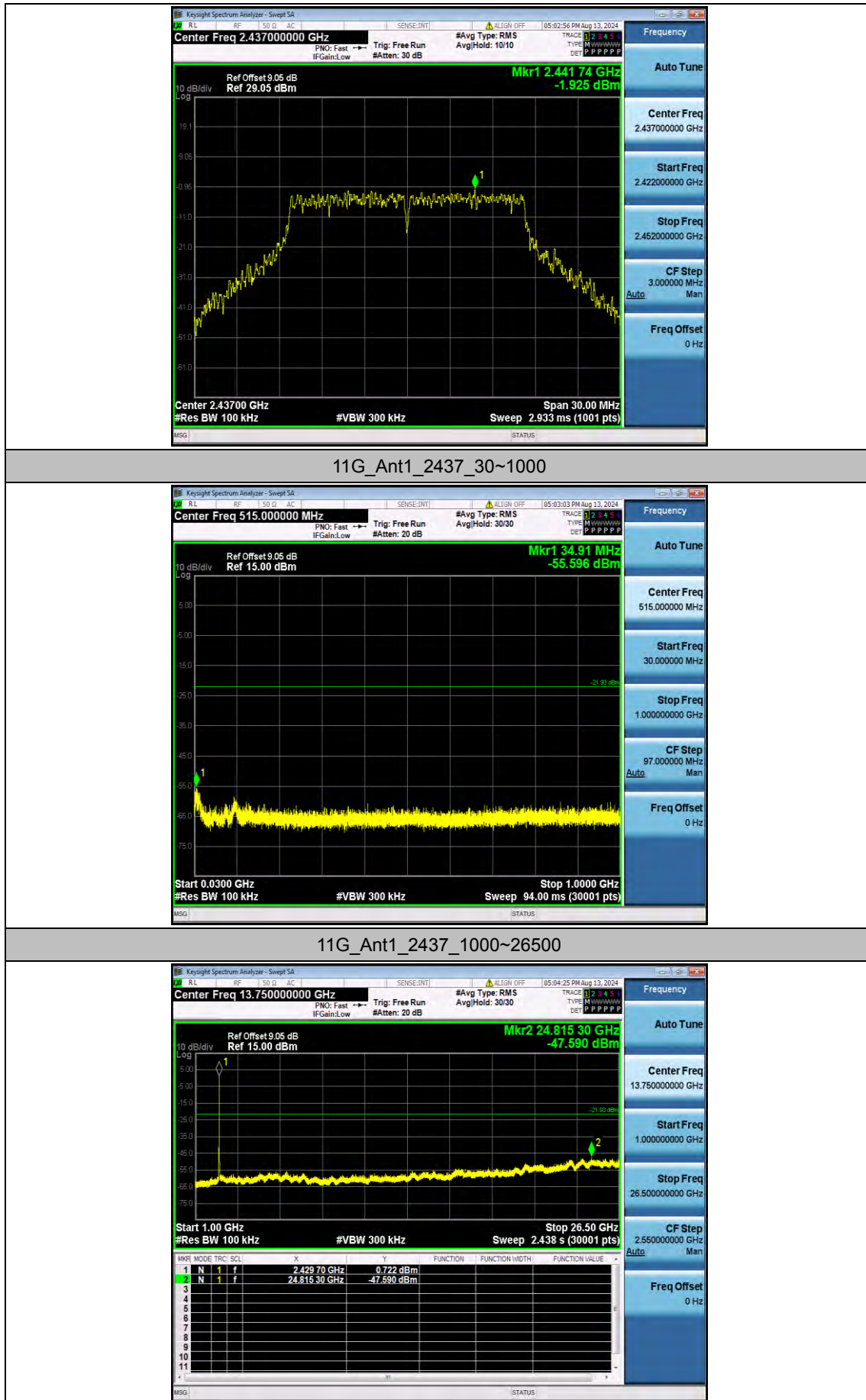
11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



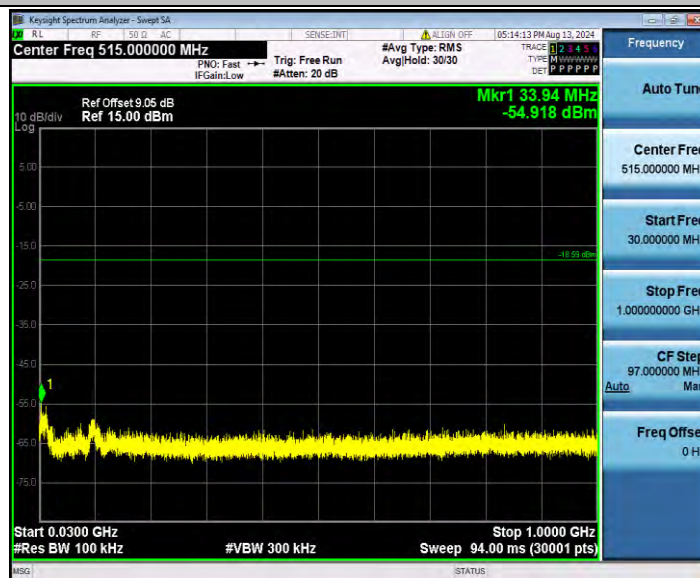
11G_Ant1_2437_0~Reference



11G_Ant1_2462_0~Reference



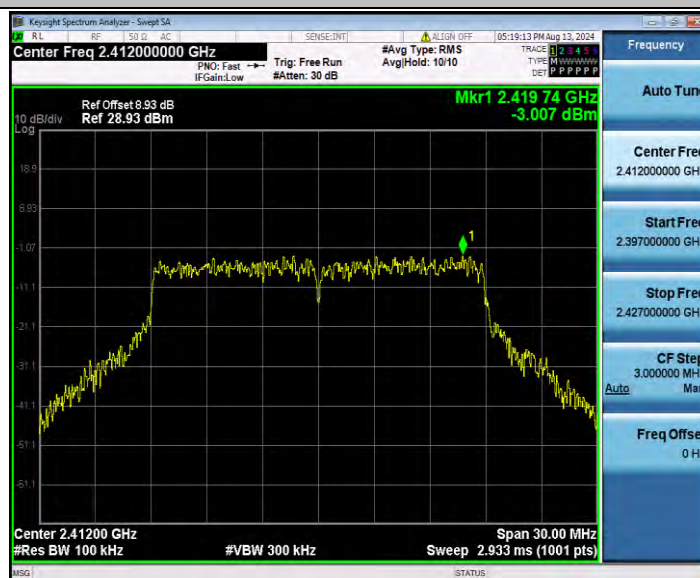
11G_Ant1_2462_30~1000



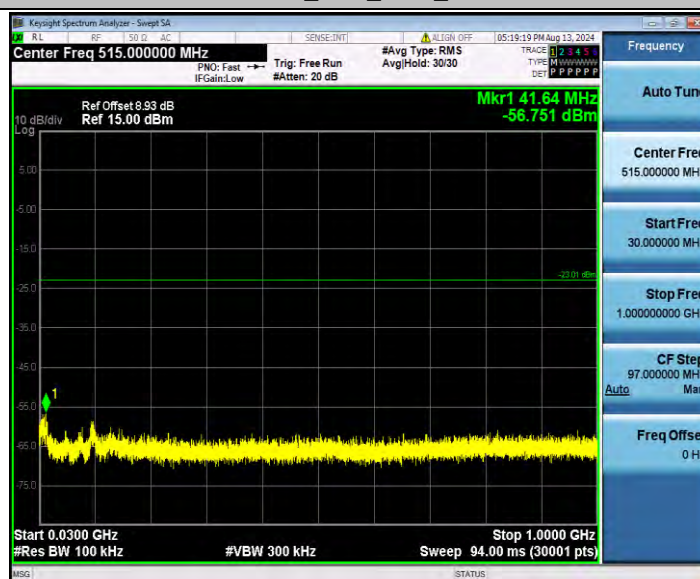
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



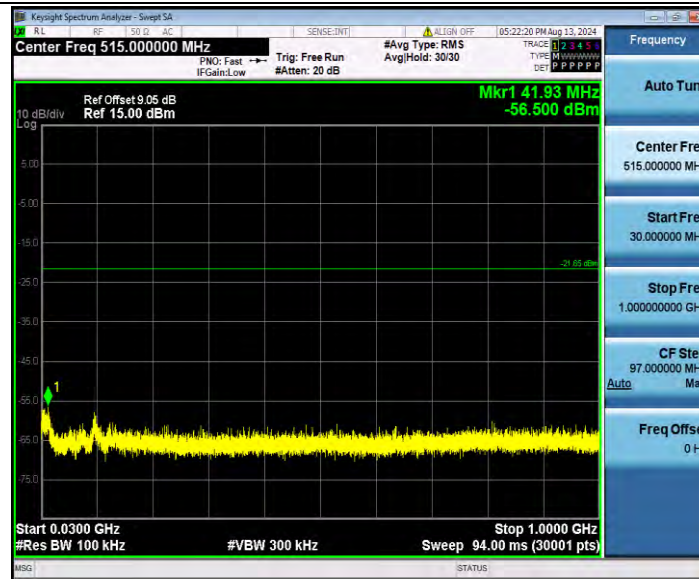
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



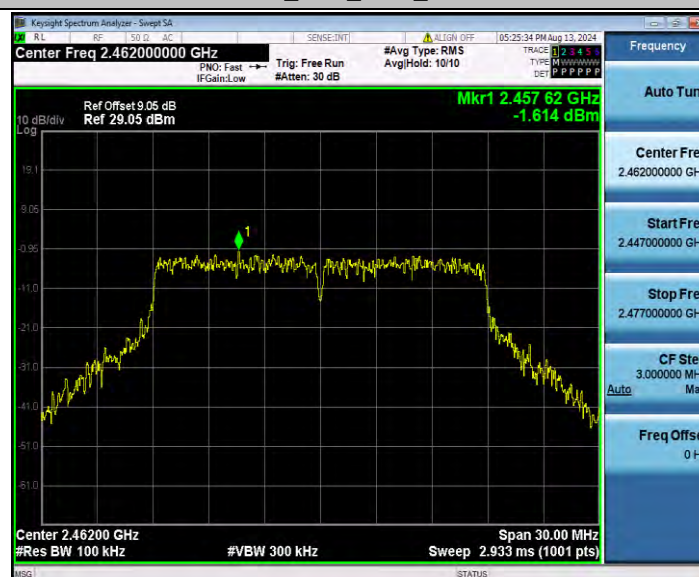
11N20SISO_Ant1_2437_30~1000



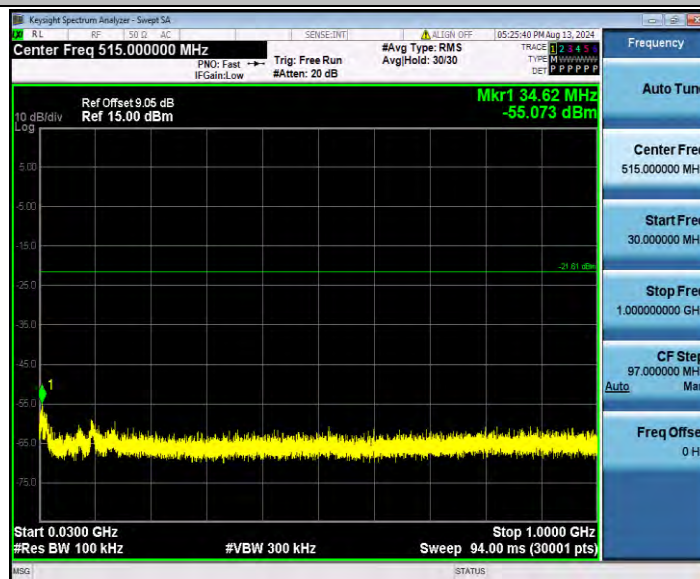
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



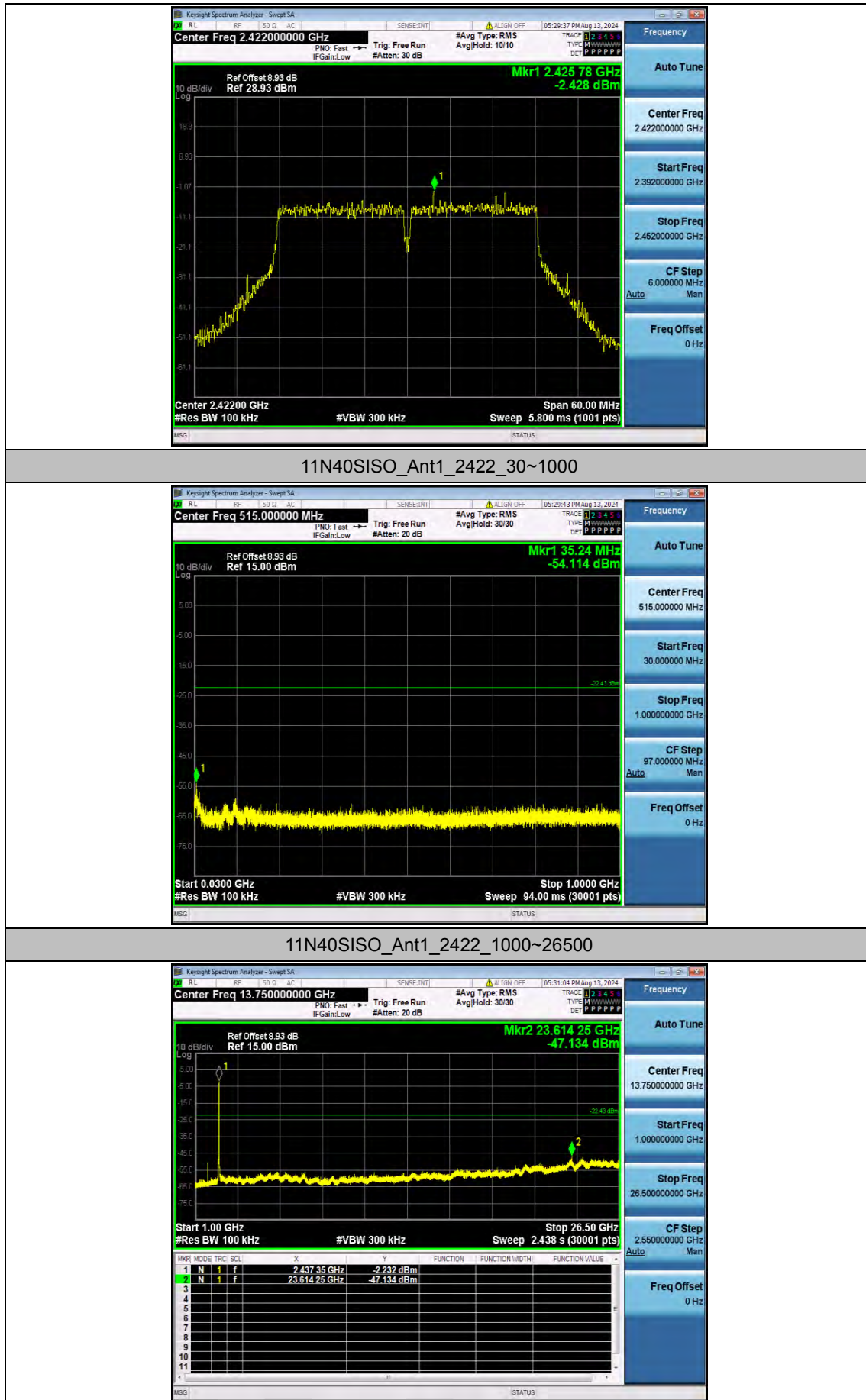
11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500



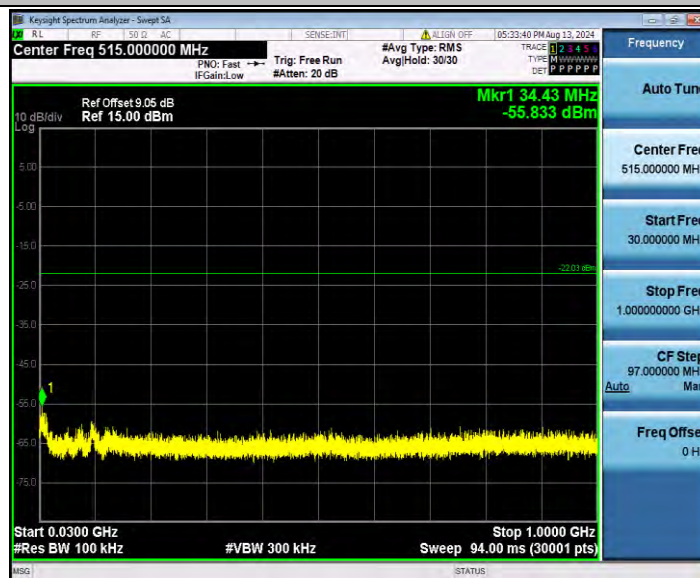
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2437_0~Reference



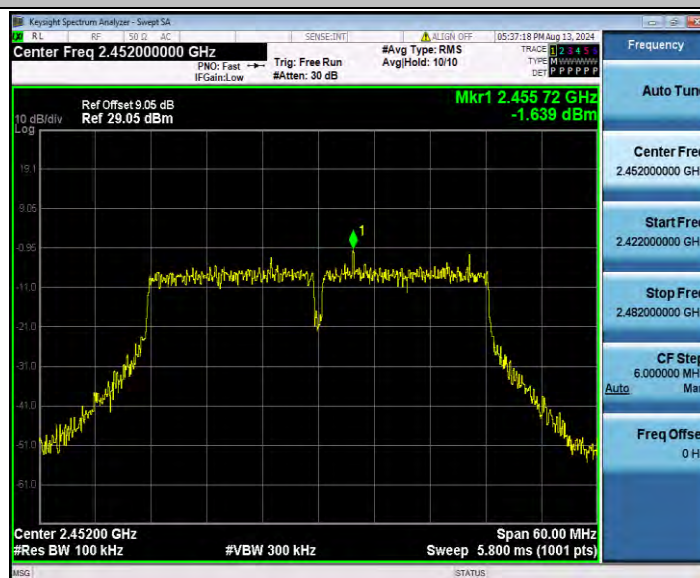
11N40SISO_Ant1_2437_30~1000



11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000

