

Case No. : <u>GTS20241123004-1-02</u>	
Ambient Condition: <u>22</u> °C, <u>55</u> %RH,	
According Standard: <u>■Part15C</u>	
Test Date: <u>2024.12.5</u>	Test Engineer: <u>Evan ouyang</u>

Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.560	2408.440	2416.000	0.5	PASS
		2437	7.600	2433.440	2441.040	0.5	PASS
		2462	7.080	2458.480	2465.560	0.5	PASS
11G	Ant1	2412	14.440	2405.120	2419.560	0.5	PASS
		2437	16.000	2428.880	2444.880	0.5	PASS
		2462	16.000	2453.880	2469.880	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	17.560	2428.240	2445.800	0.5	PASS
		2462	16.880	2453.680	2470.560	0.5	PASS
11N40SISO	Ant1	2422	31.360	2408.240	2439.600	0.5	PASS
		2437	34.960	2419.560	2454.520	0.5	PASS
		2452	32.720	2434.560	2467.280	0.5	PASS
11AX20SISO	Ant1	2412	18.720	2402.640	2421.360	0.5	PASS
		2437	17.480	2428.600	2446.080	0.5	PASS
		2462	14.400	2455.560	2469.960	0.5	PASS
11AX40SISO	Ant1	2422	33.520	2406.880	2440.400	0.5	PASS
		2437	37.200	2418.280	2455.480	0.5	PASS
		2452	37.200	2433.440	2470.640	0.5	PASS

Test Graphs

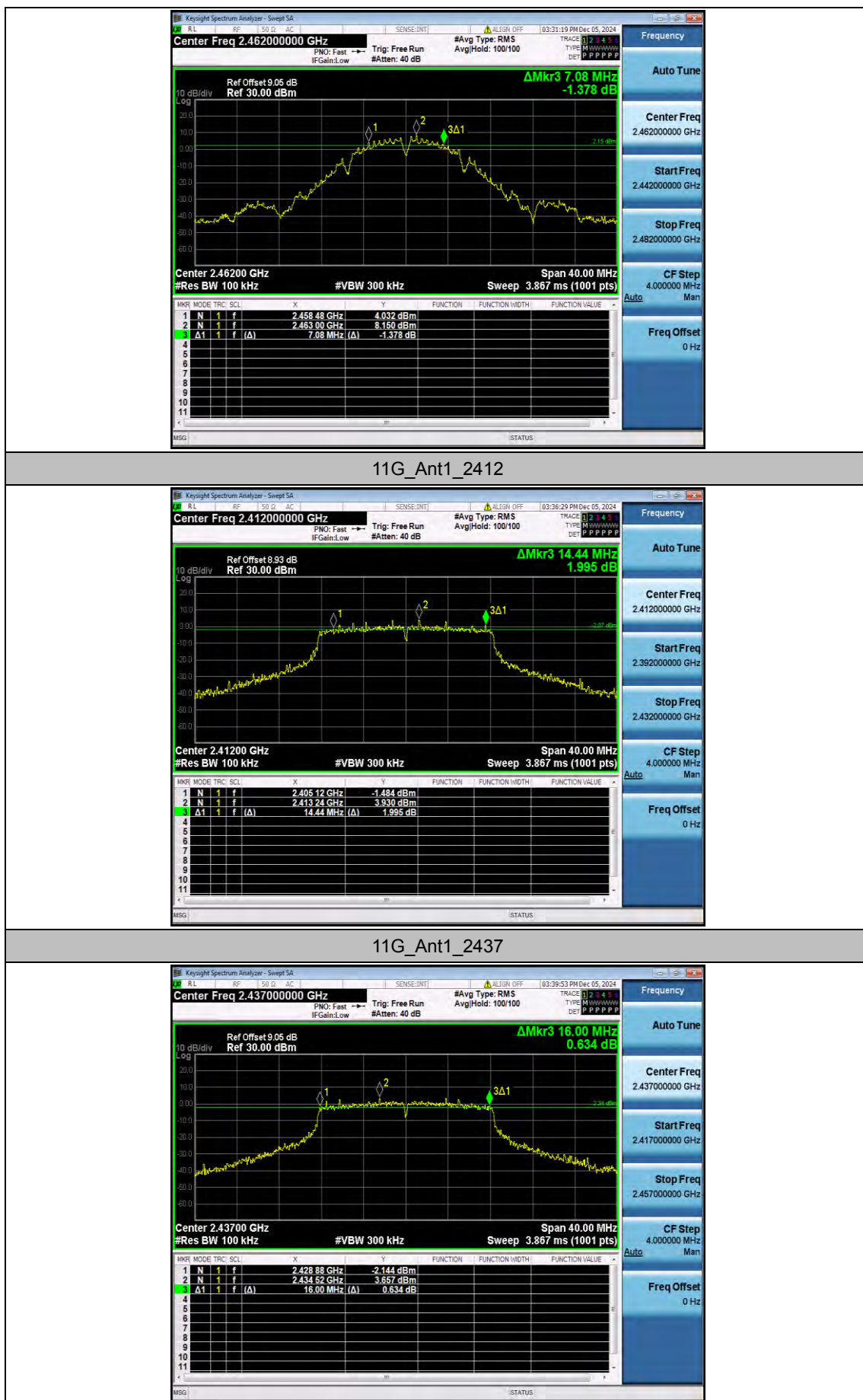
11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



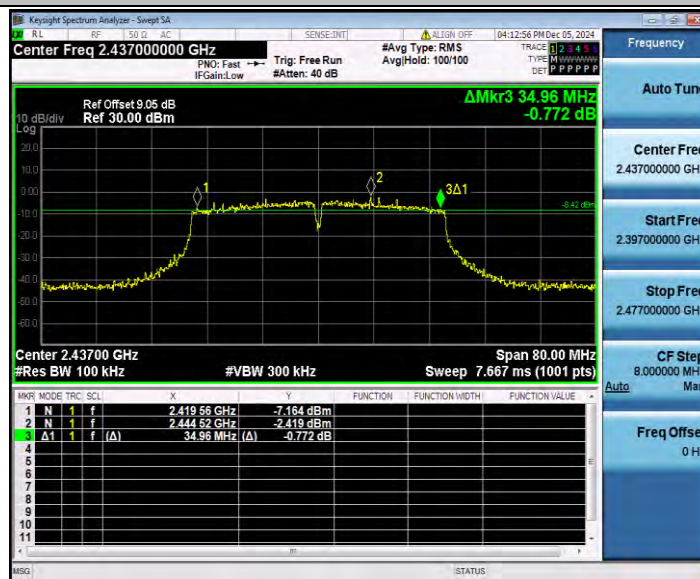
11N20SISO_Ant1_2462



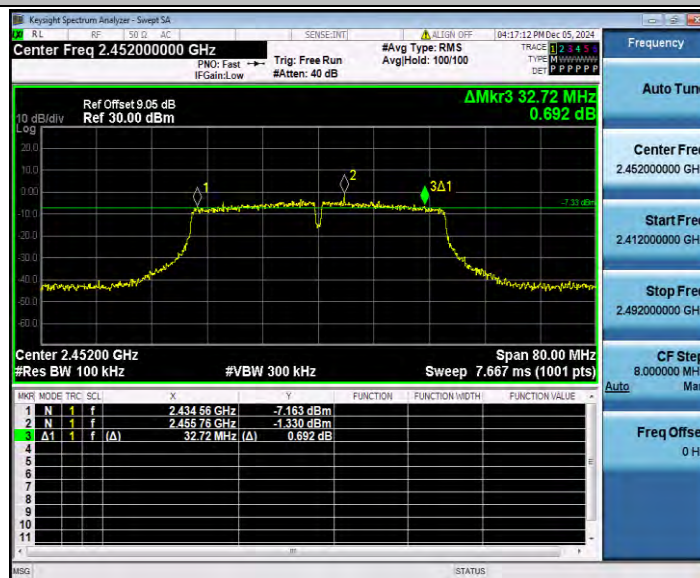
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



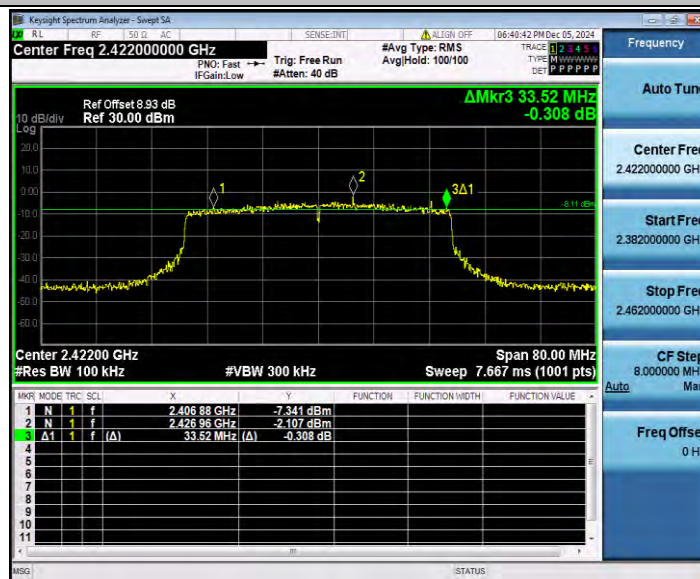
11N40SISO_Ant1_2452



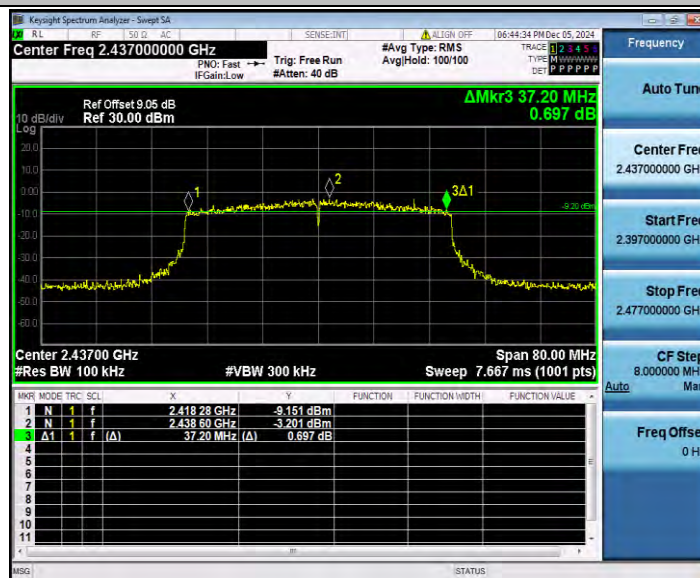
11AX20SISO_Ant1_2412



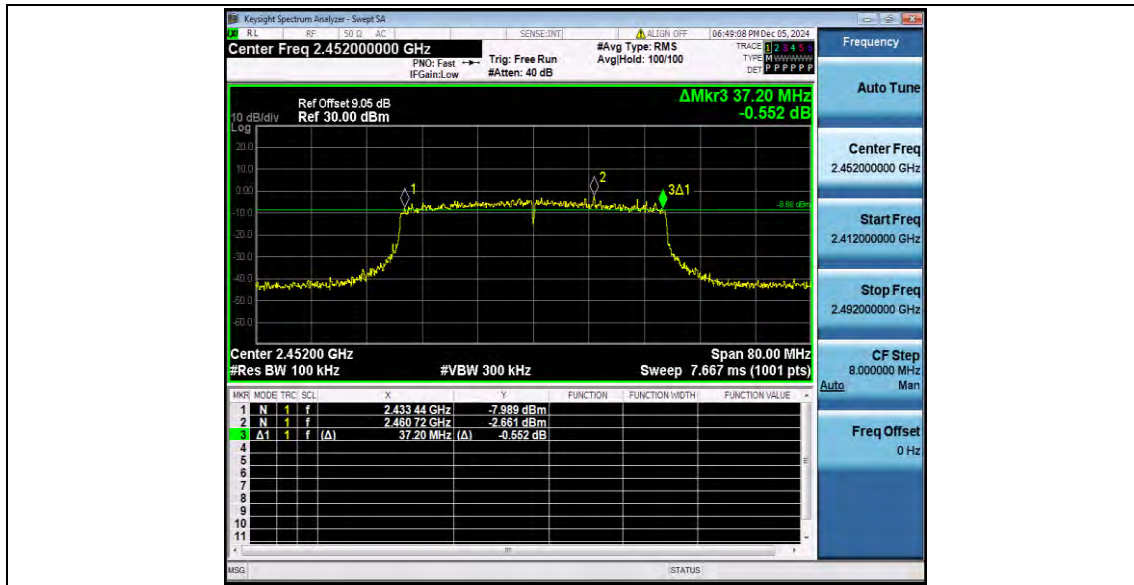
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



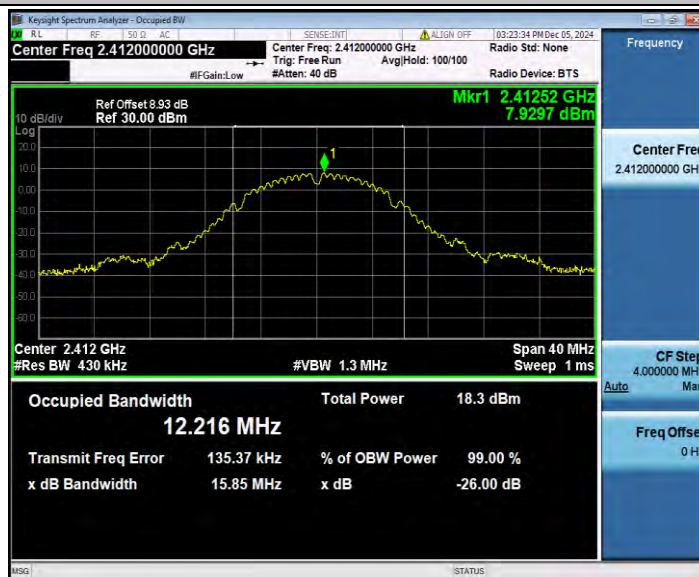
Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.216	2406.0274	2418.2434	---	---
		2437	12.966	2430.6214	2443.5874	---	---
		2462	12.456	2455.8476	2468.3036	---	---
11G	Ant1	2412	17.207	2403.3937	2420.6007	---	---
		2437	17.156	2428.4562	2445.6122	---	---
		2462	17.223	2453.3420	2470.5650	---	---
11N20SISO	Ant1	2412	18.394	2402.8236	2421.2176	---	---
		2437	18.218	2427.9201	2446.1381	---	---
		2462	18.352	2452.8513	2471.2033	---	---
11N40SISO	Ant1	2422	36.560	2403.8562	2440.4162	---	---
		2437	36.389	2418.8522	2455.2412	---	---
		2452	36.513	2433.7616	2470.2746	---	---
11AX20SISO	Ant1	2412	19.176	2402.4399	2421.6159	---	---
		2437	19.138	2427.4765	2446.6145	---	---
		2462	19.059	2452.4828	2471.5418	---	---
11AX40SISO	Ant1	2422	37.908	2403.1356	2441.0436	---	---
		2437	37.777	2418.1914	2455.9684	---	---
		2452	37.811	2433.1174	2470.9284	---	---

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



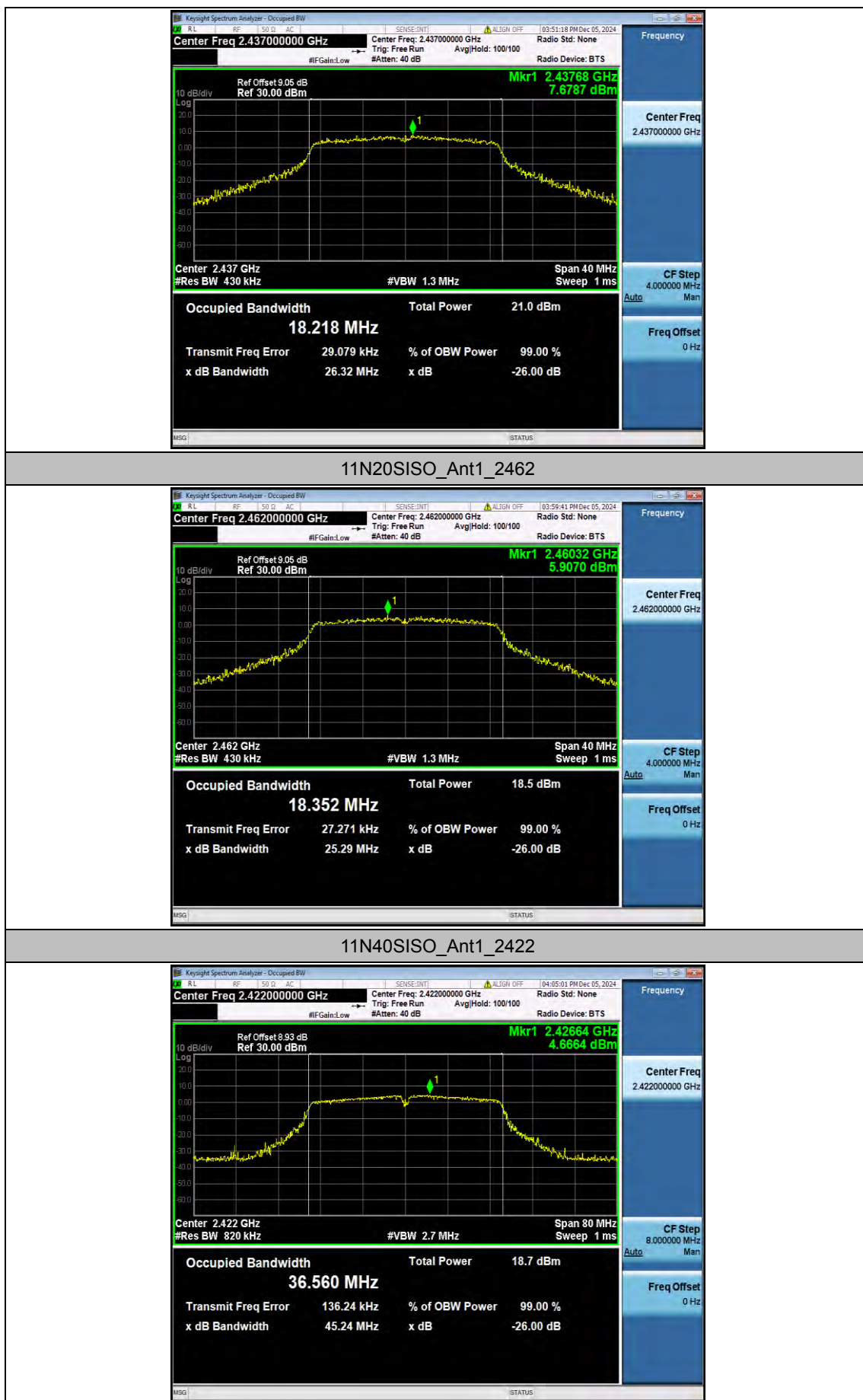
11G_Ant1_2462



11N20SISO_Ant1_2412



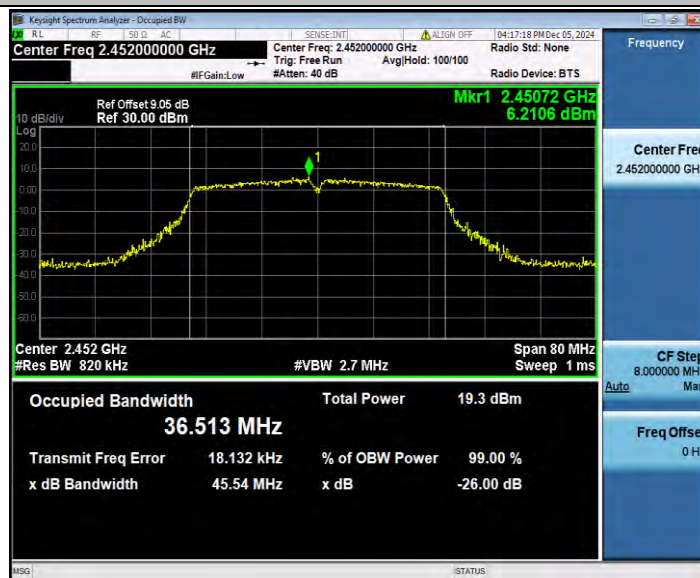
11N20SISO_Ant1_2437



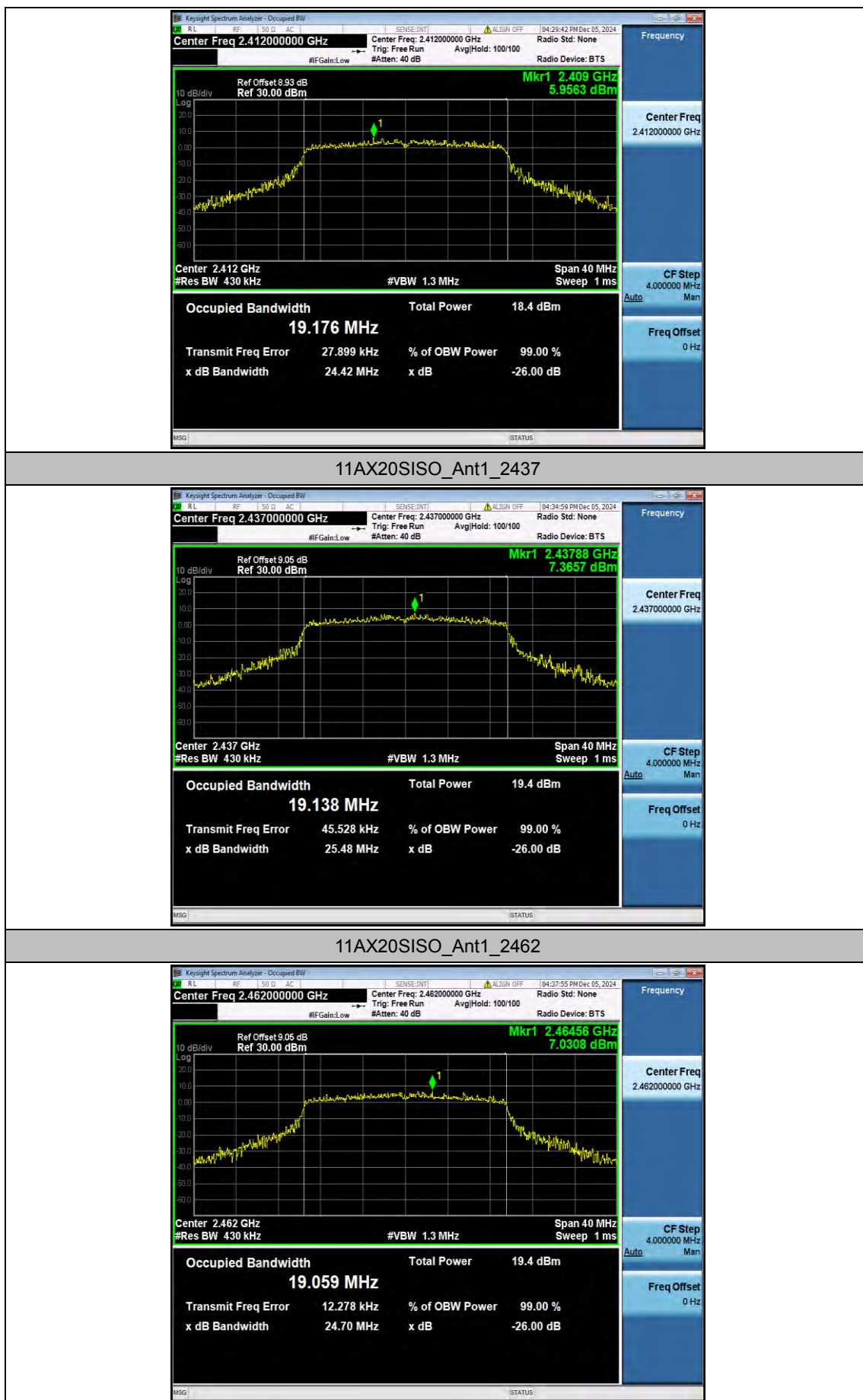
11N40SISO_Ant1_2437



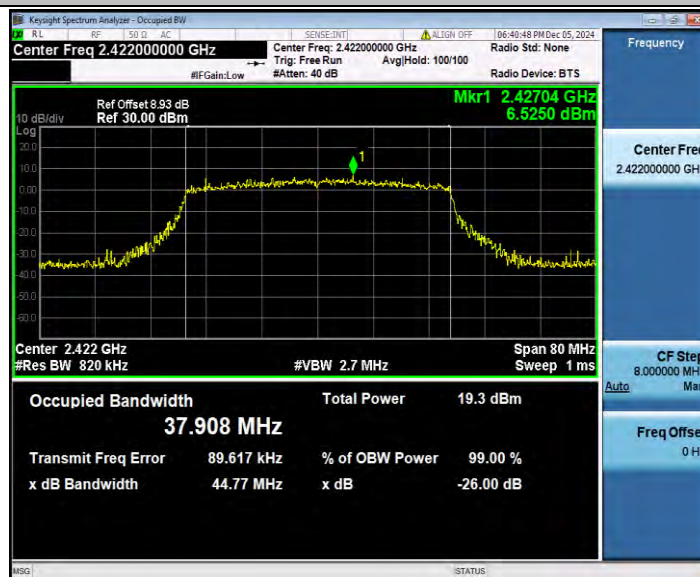
11N40SISO_Ant1_2452



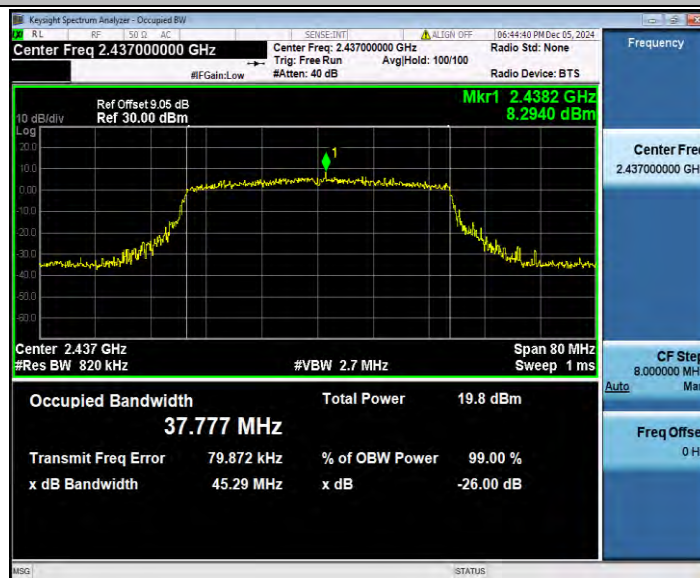
11AX20SISO_Ant1_2412



11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



Appendix B.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	18.38	≤30.00	PASS
		2437	20.27	≤30.00	PASS
		2462	19.02	≤30.00	PASS
11G	Ant1	2412	21.39	≤30.00	PASS
		2437	22.06	≤30.00	PASS
		2462	21.87	≤30.00	PASS
11N20SISO	Ant1	2412	18.56	≤30.00	PASS
		2437	22.08	≤30.00	PASS
		2462	19.76	≤30.00	PASS
11N40SISO	Ant1	2422	18.99	≤30.00	PASS
		2437	19.42	≤30.00	PASS
		2452	19.57	≤30.00	PASS
11AX20SISO	Ant1	2412	19.20	≤30.00	PASS
		2437	20.14	≤30.00	PASS
		2462	20.09	≤30.00	PASS
11AX40SISO	Ant1	2422	19.37	≤30.00	PASS
		2437	19.88	≤30.00	PASS
		2452	20.06	≤30.00	PASS

Appendix B.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.85	≤8.00	PASS
		2437	-5.44	≤8.00	PASS
		2462	-6.64	≤8.00	PASS
11G	Ant1	2412	-11.24	≤8.00	PASS
		2437	-10.03	≤8.00	PASS
		2462	-9.73	≤8.00	PASS
11N20SISO	Ant1	2412	-13.75	≤8.00	PASS
		2437	-9.17	≤8.00	PASS
		2462	-11.72	≤8.00	PASS
11N40SISO	Ant1	2422	-15.31	≤8.00	PASS
		2437	-15.61	≤8.00	PASS
		2452	-14.94	≤8.00	PASS
11AX20SISO	Ant1	2412	-14.23	≤8.00	PASS
		2437	-14.48	≤8.00	PASS
		2462	-13.19	≤8.00	PASS
11AX40SISO	Ant1	2422	-17.11	≤8.00	PASS
		2437	-16.56	≤8.00	PASS
		2452	-15.70	≤8.00	PASS

Test Graphs

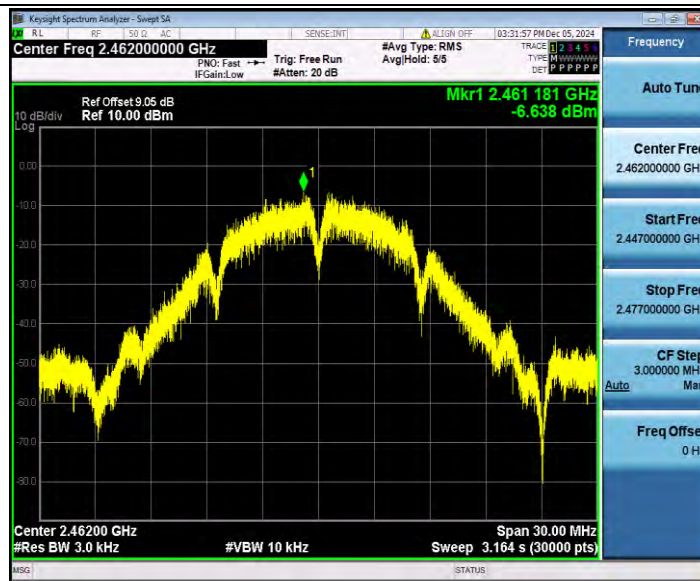
11B_Ant1_2412



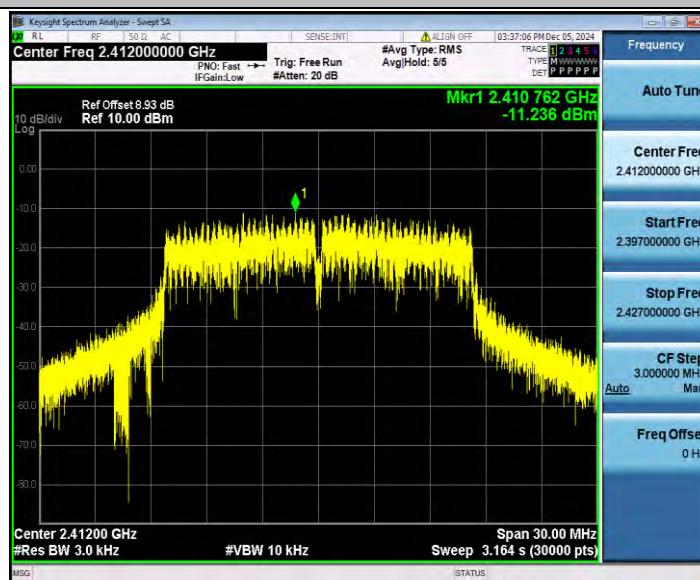
11B_Ant1_2437



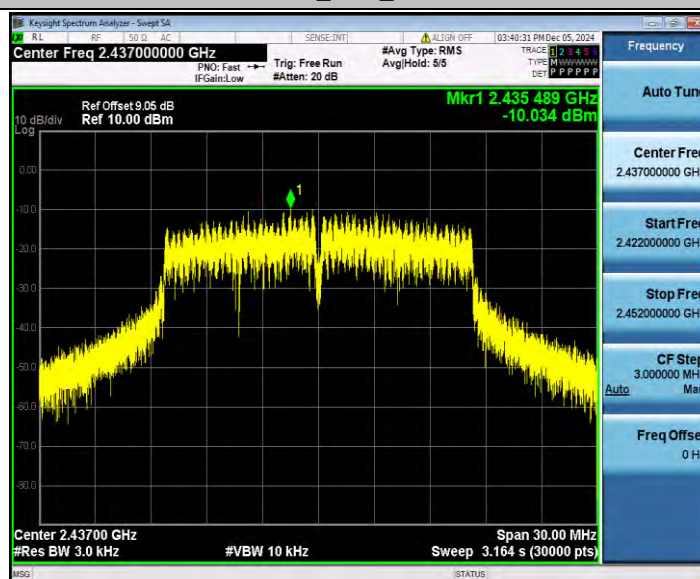
11B_Ant1_2462



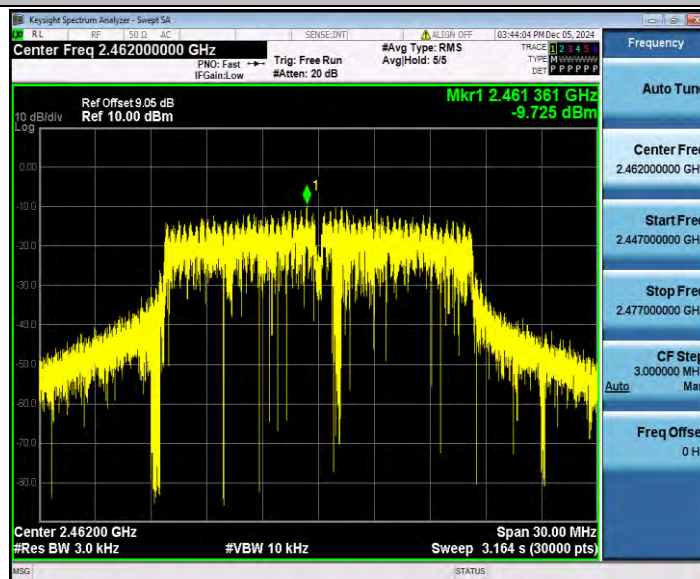
11G_Ant1_2412



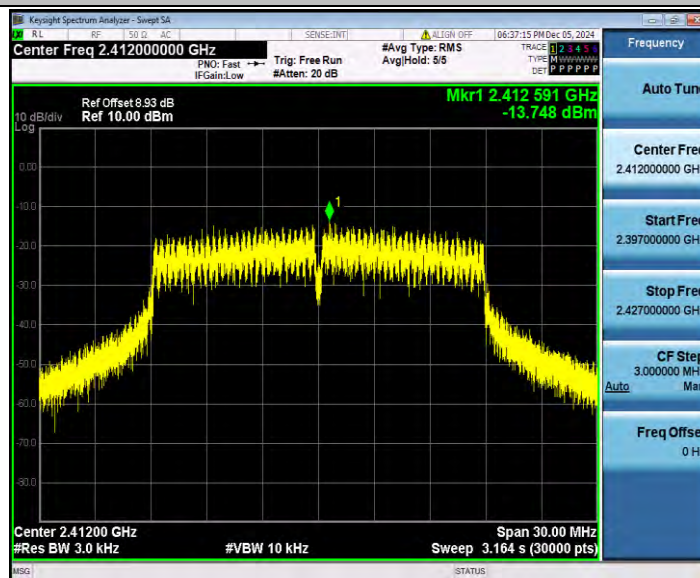
11G_Ant1_2437



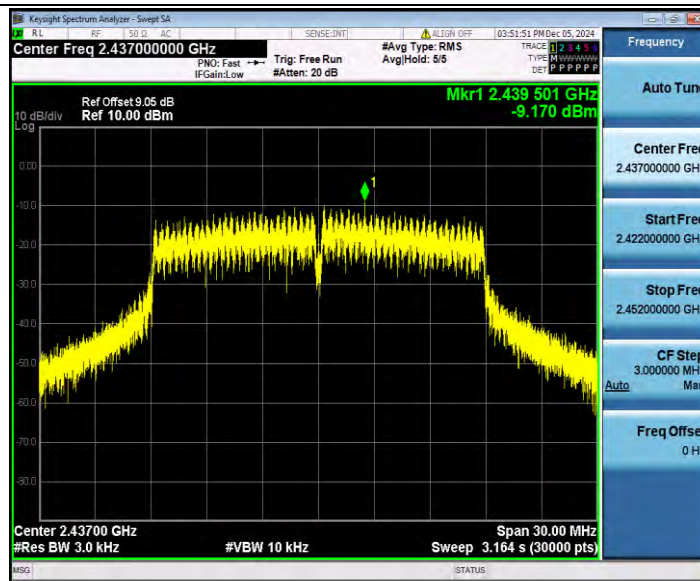
11G_Ant1_2462



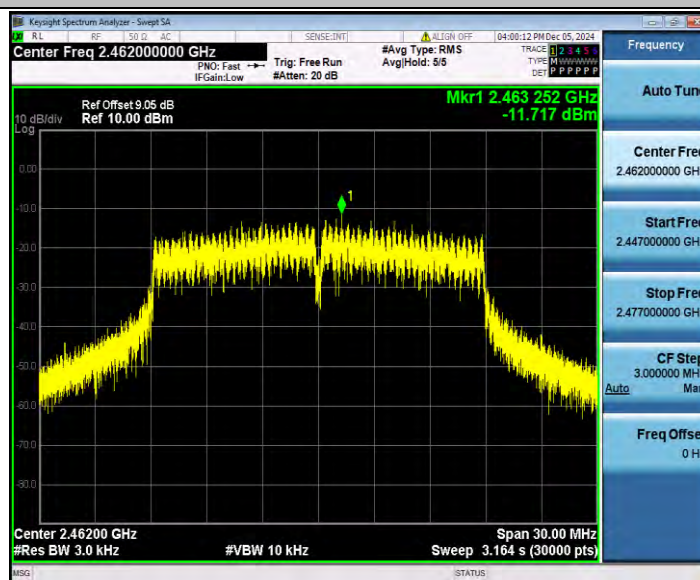
11N20SISO_Ant1_2412



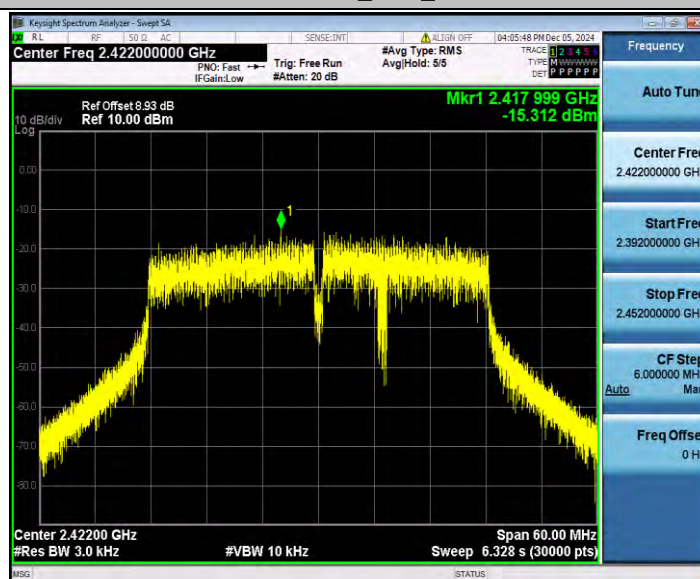
11N20SISO_Ant1_2437



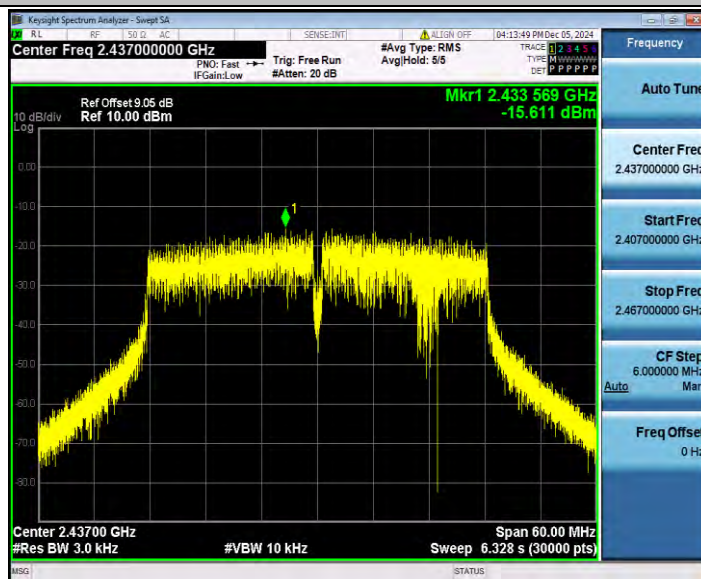
11N20SISO_Ant1_2462



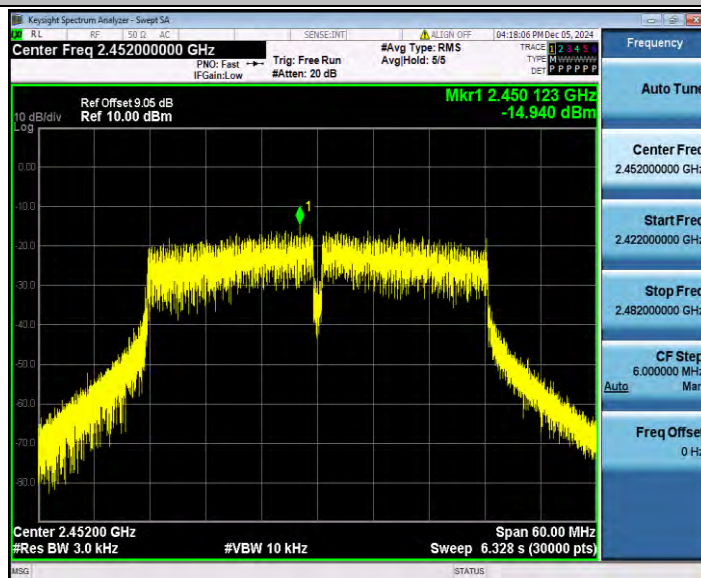
11N40SISO_Ant1_2422



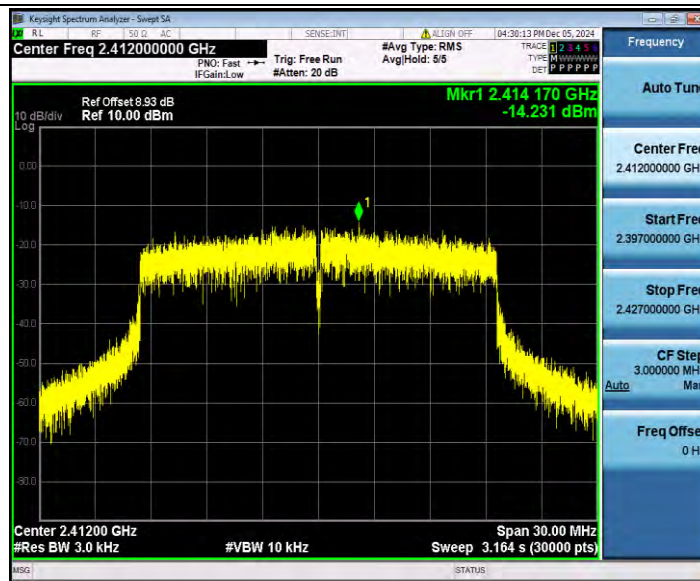
11N40SISO_Ant1_2437



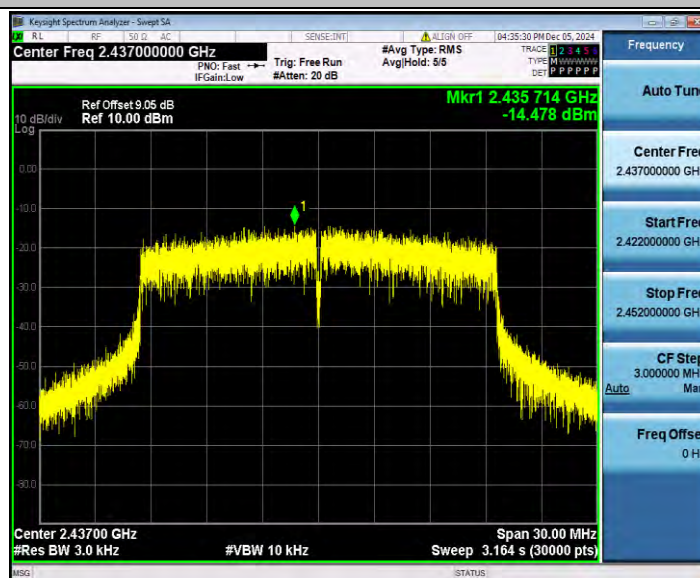
11N40SISO_Ant1_2452



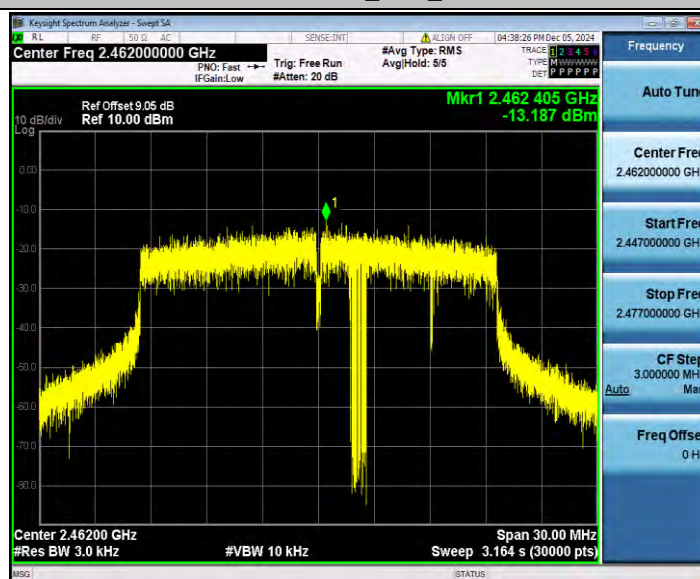
11AX20SISO_Ant1_2412



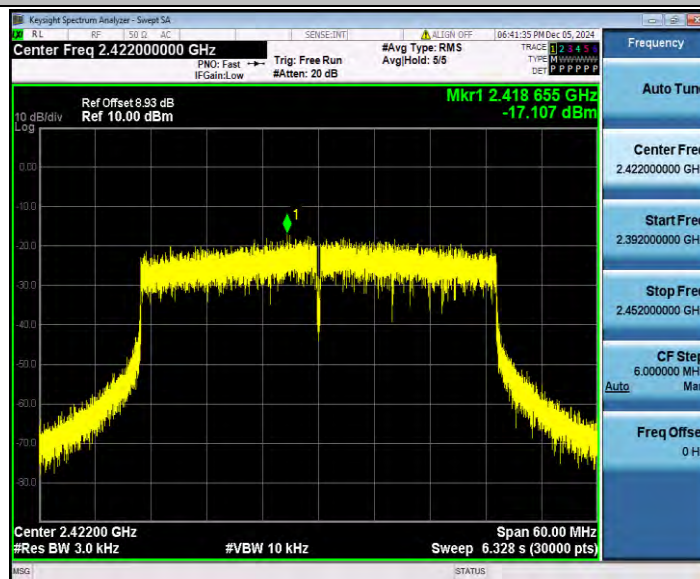
11AX20ISO_Ant1_2437



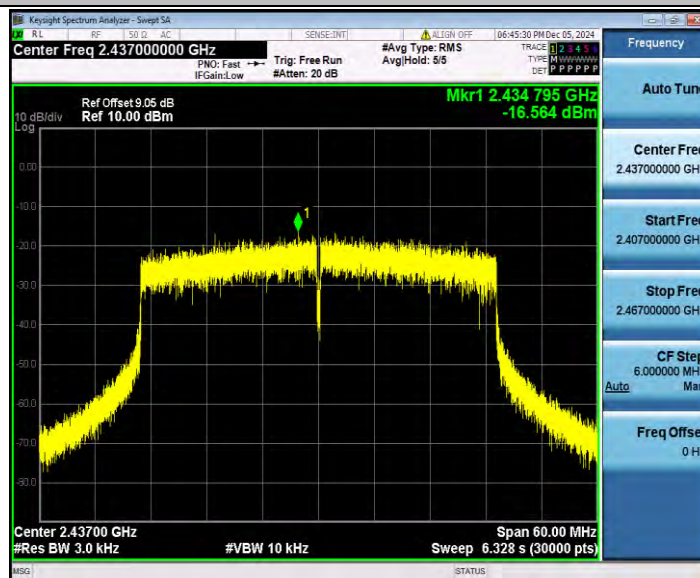
11AX20ISO_Ant1_2462



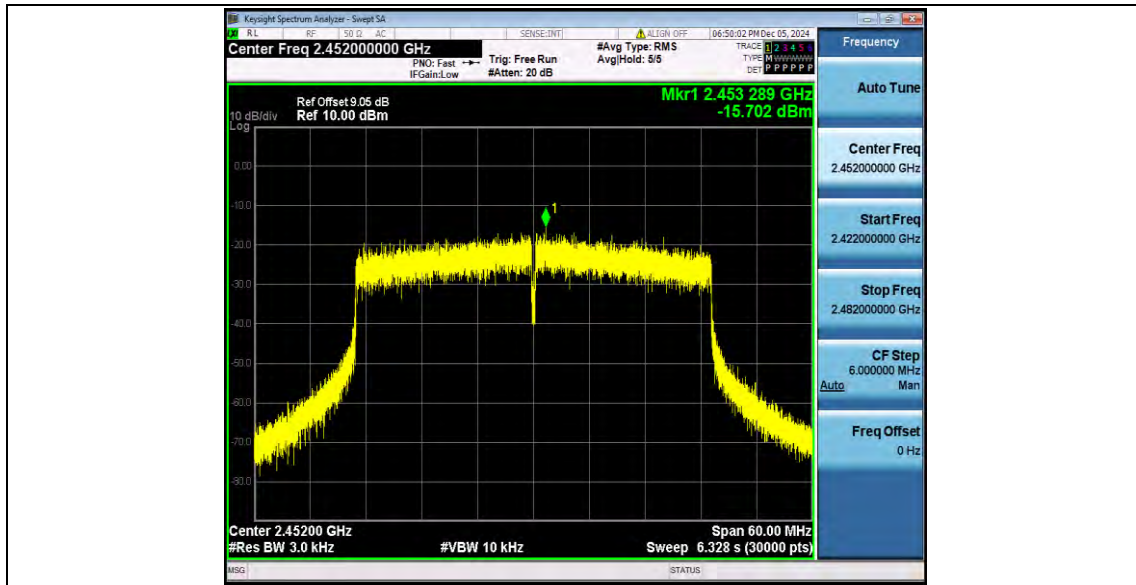
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452

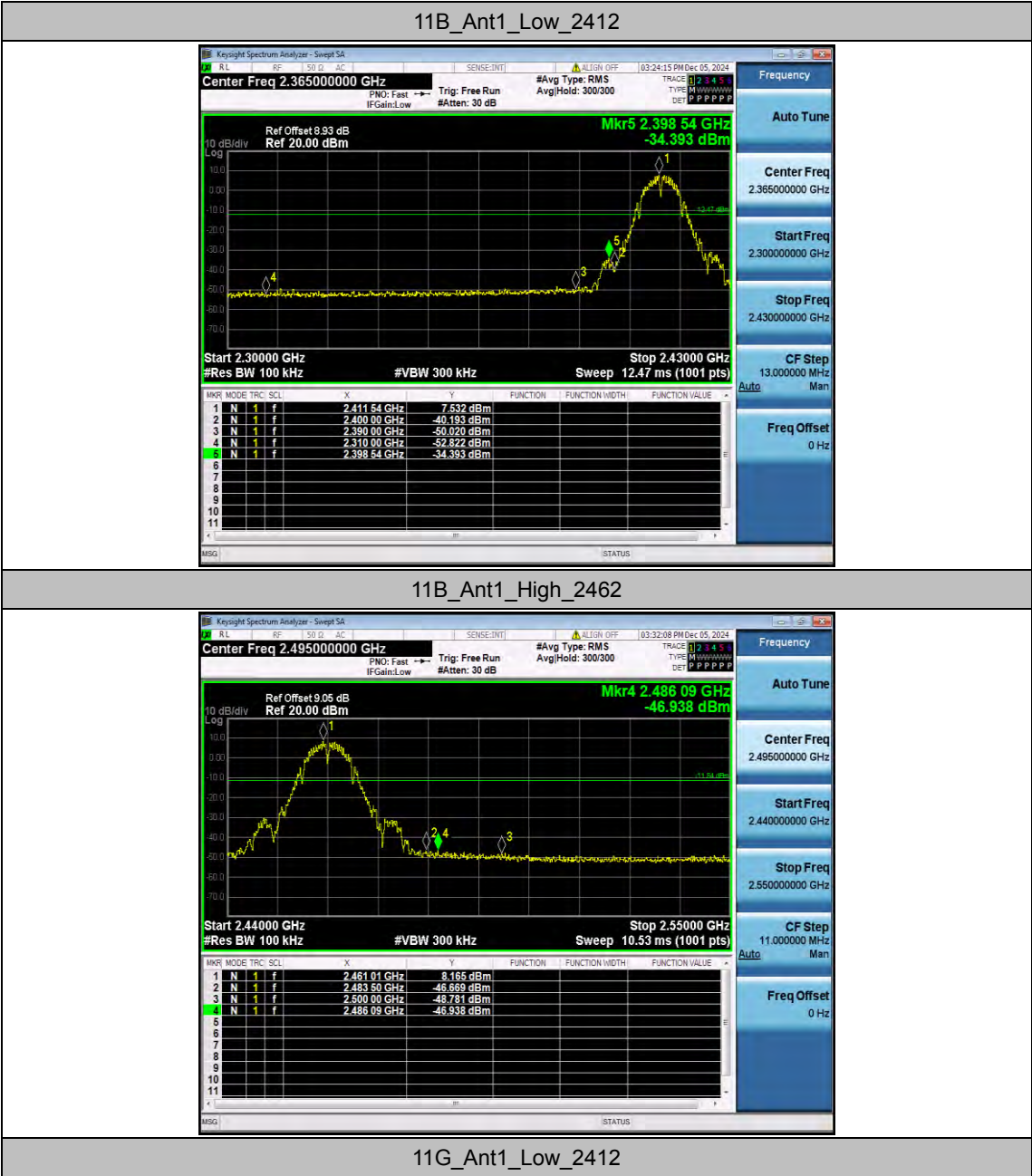


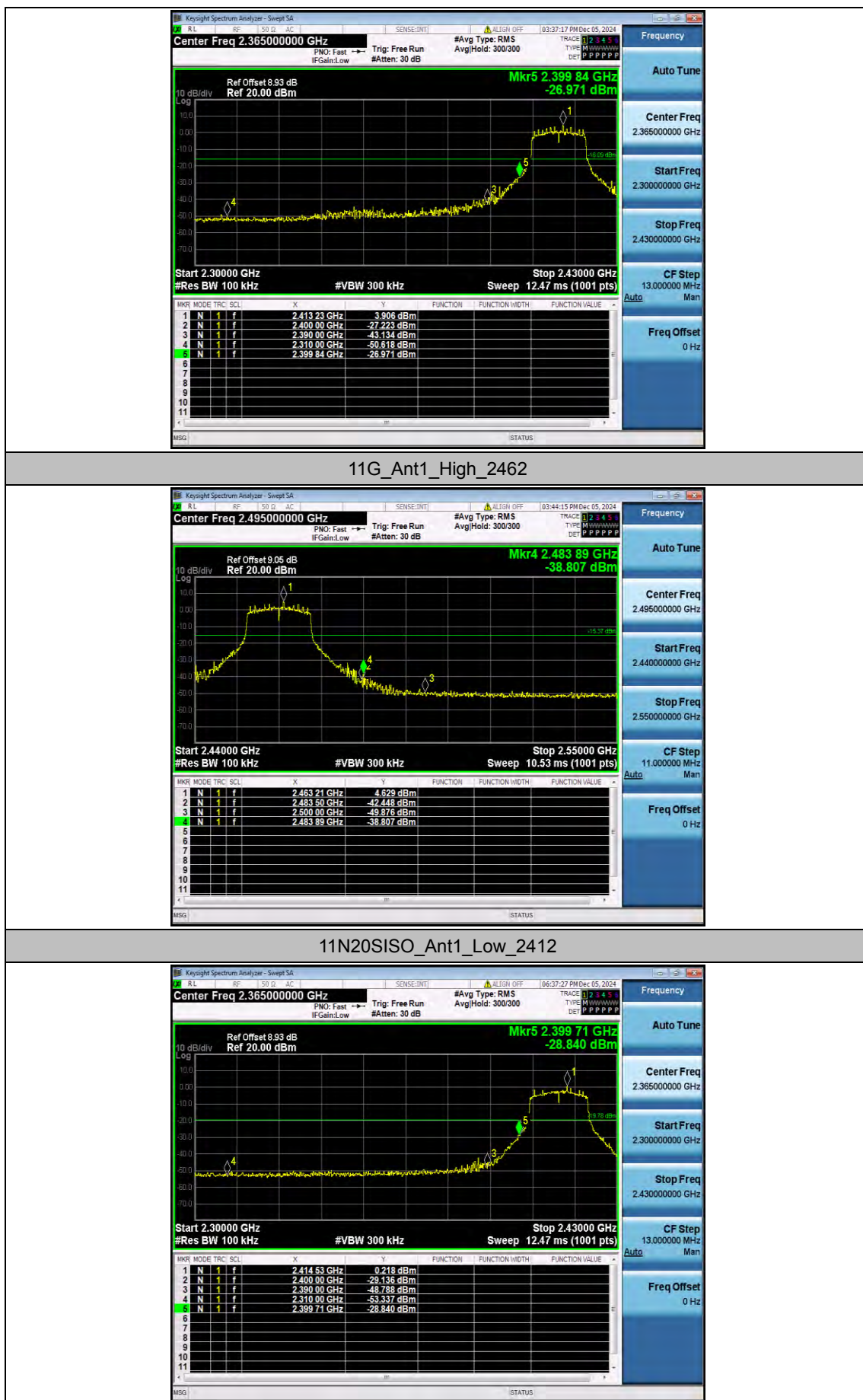
Appendix B.5: Band edge measurements

Test Result

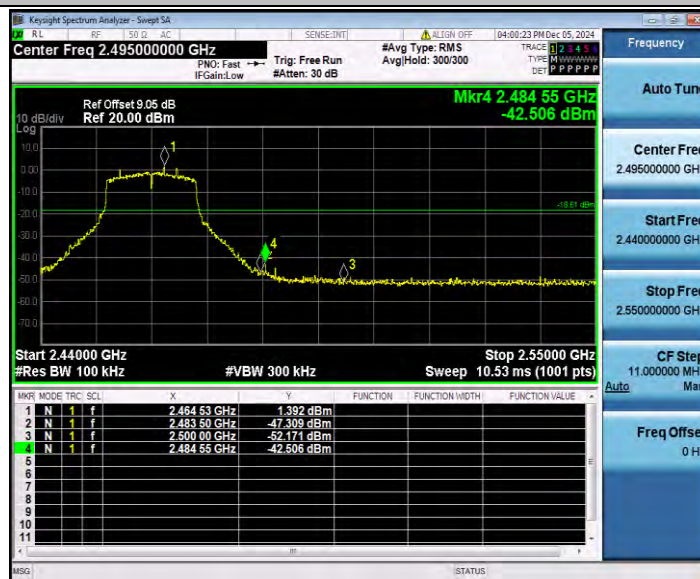
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.53	-34.39	≤ -12.47	PASS
		High	2462	8.17	-46.94	≤ -11.84	PASS
11G	Ant1	Low	2412	3.91	-26.97	≤ -16.09	PASS
		High	2462	4.63	-38.81	≤ -15.37	PASS
11N20SISO	Ant1	Low	2412	0.22	-28.84	≤ -19.78	PASS
		High	2462	1.39	-42.51	≤ -18.61	PASS
11N40SISO	Ant1	Low	2422	-1.79	-34.4	≤ -21.79	PASS
		High	2452	-1.18	-43.2	≤ -21.18	PASS
11AX20SISO	Ant1	Low	2412	0.09	-27.05	≤ -19.91	PASS
		High	2462	0.61	-45.27	≤ -19.39	PASS
11AX40SISO	Ant1	Low	2422	-2.79	-33.65	≤ -22.79	PASS
		High	2452	-0.93	-44.69	≤ -20.93	PASS

Test Graphs





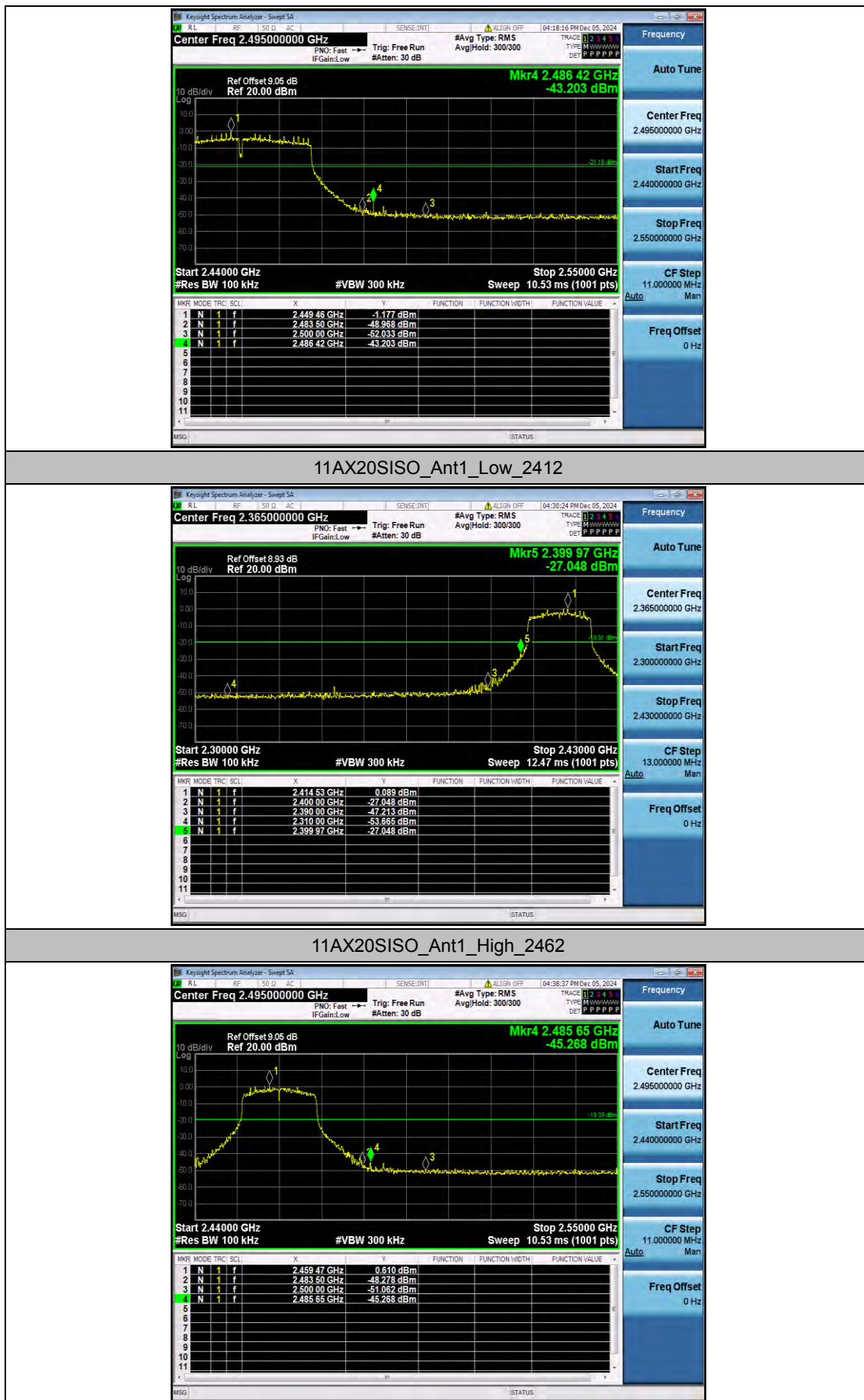
11N20SISO_Ant1_High_2462



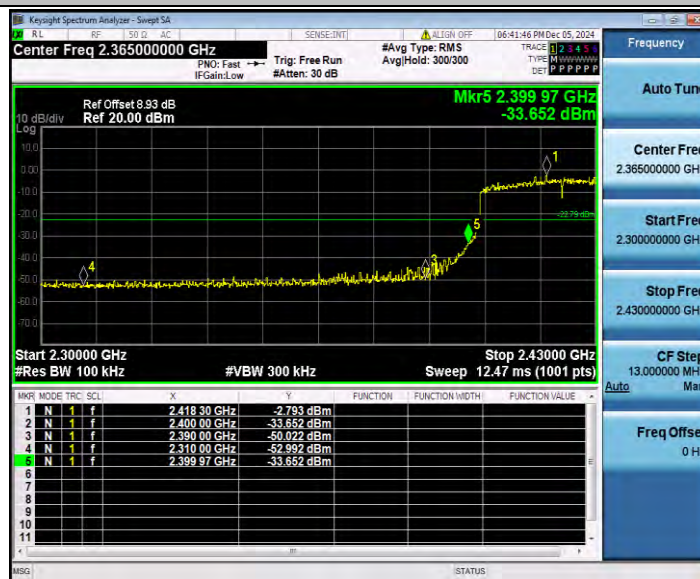
11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



11AX40SISO_Ant1_Low_2422



11AX40SISO_Ant1_High_2452

