

Appendix: 2.4G WIFI

Contents

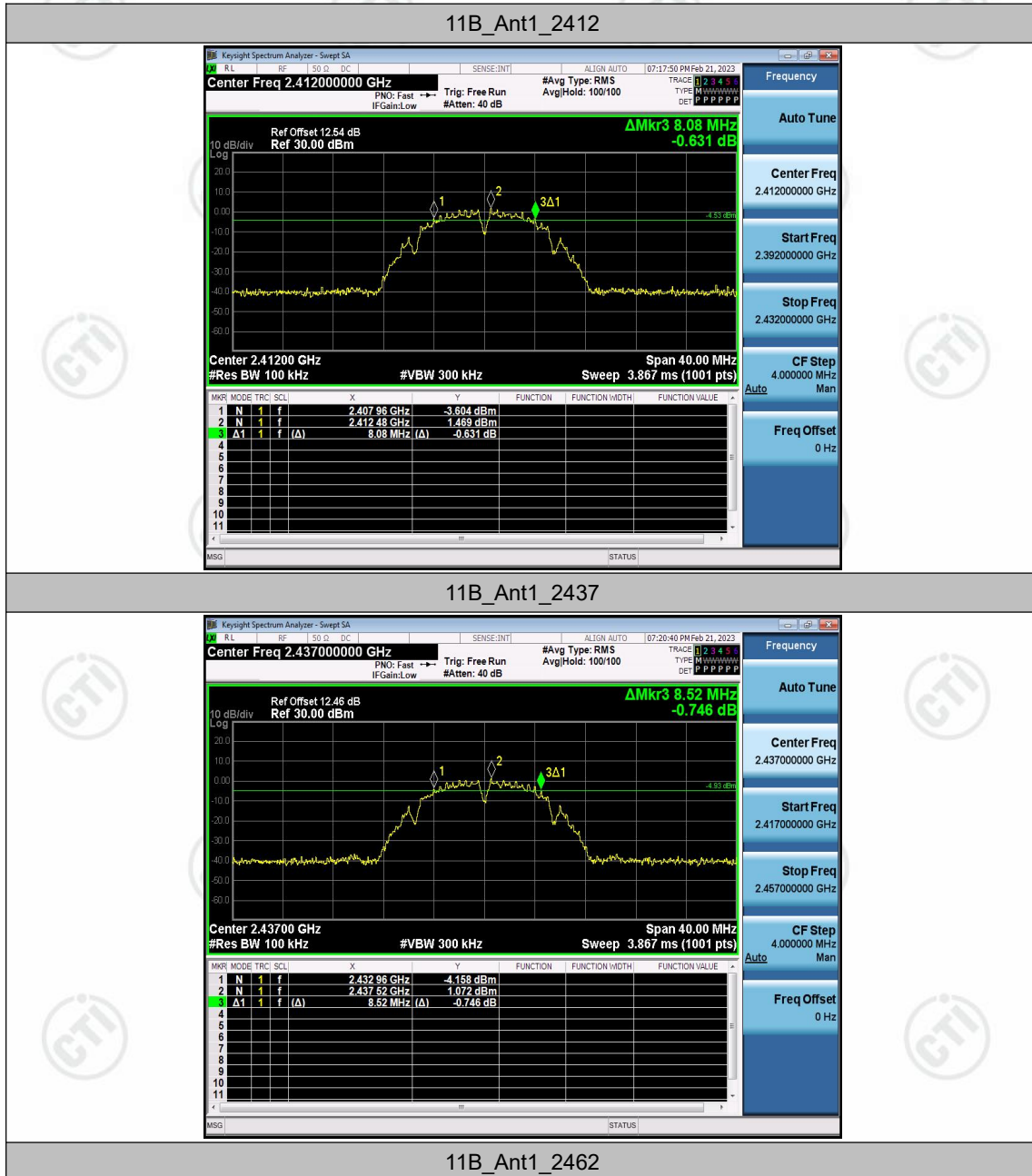
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Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.080	2407.960	2416.040	0.5	PASS
		2437	8.520	2432.960	2441.480	0.5	PASS
		2462	8.040	2457.960	2466.000	0.5	PASS
11G	Ant1	2412	15.120	2404.440	2419.560	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	15.440	2454.480	2469.920	0.5	PASS
11N20SI SO	Ant1	2412	15.120	2404.440	2419.560	0.5	PASS
		2437	16.200	2429.200	2445.400	0.5	PASS
		2462	14.640	2454.400	2469.040	0.5	PASS
11N40SI SO	Ant1	2422	35.520	2404.240	2439.760	0.5	PASS
		2437	35.760	2419.080	2454.840	0.5	PASS
		2452	35.520	2434.240	2469.760	0.5	PASS

Test Graphs





11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



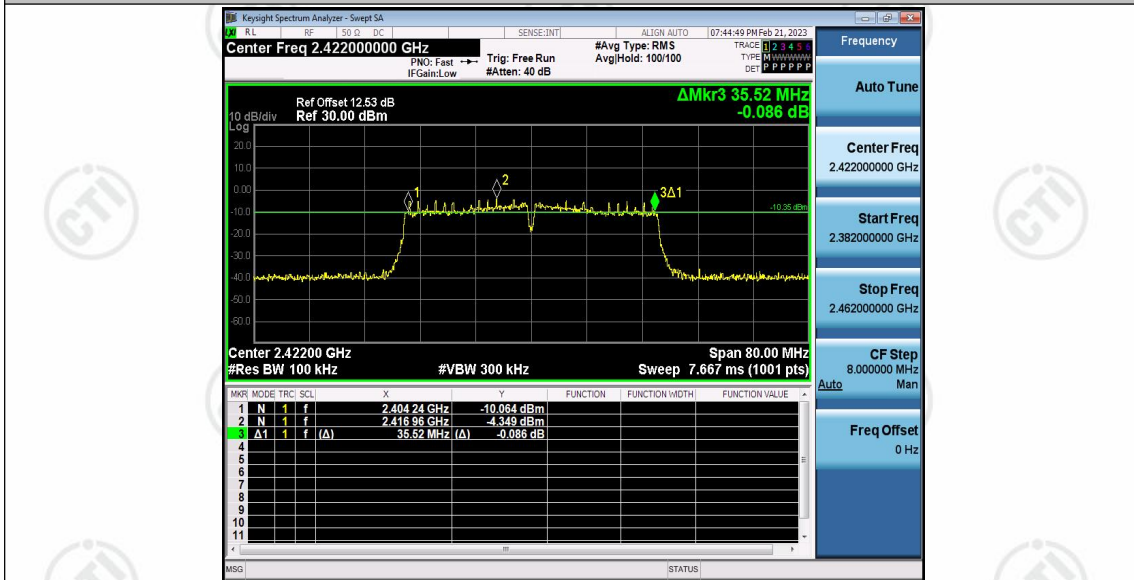
11N20SISO_Ant1_2437



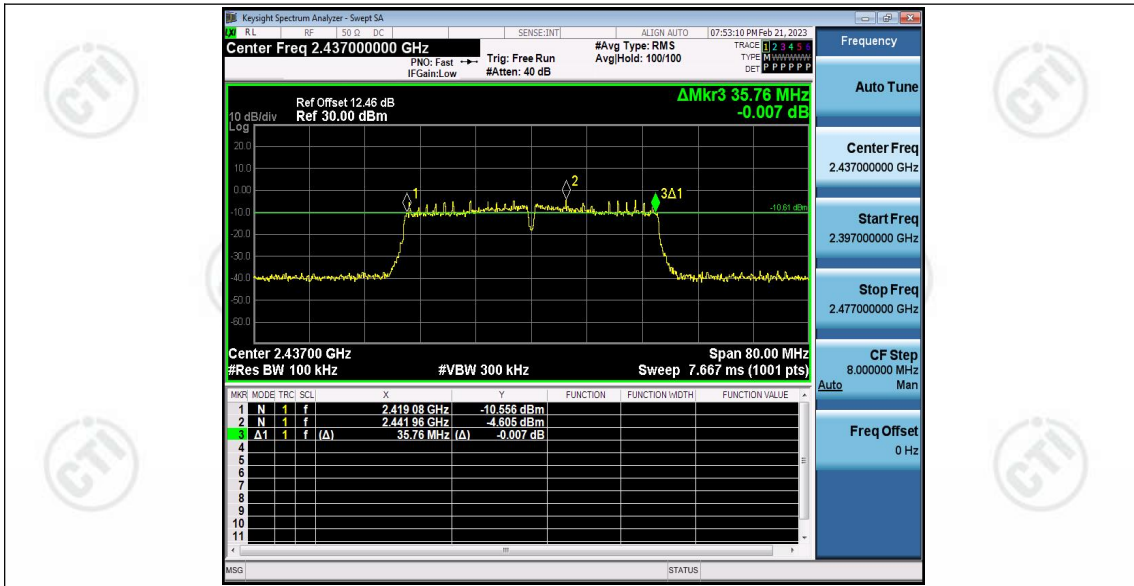
11N20SISO_Ant1_2462



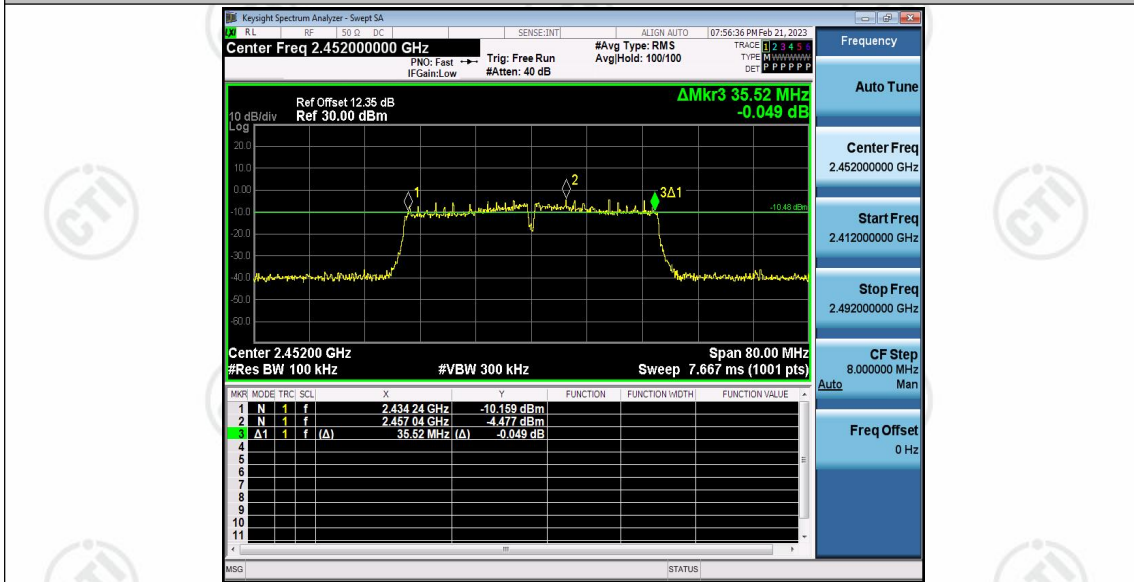
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

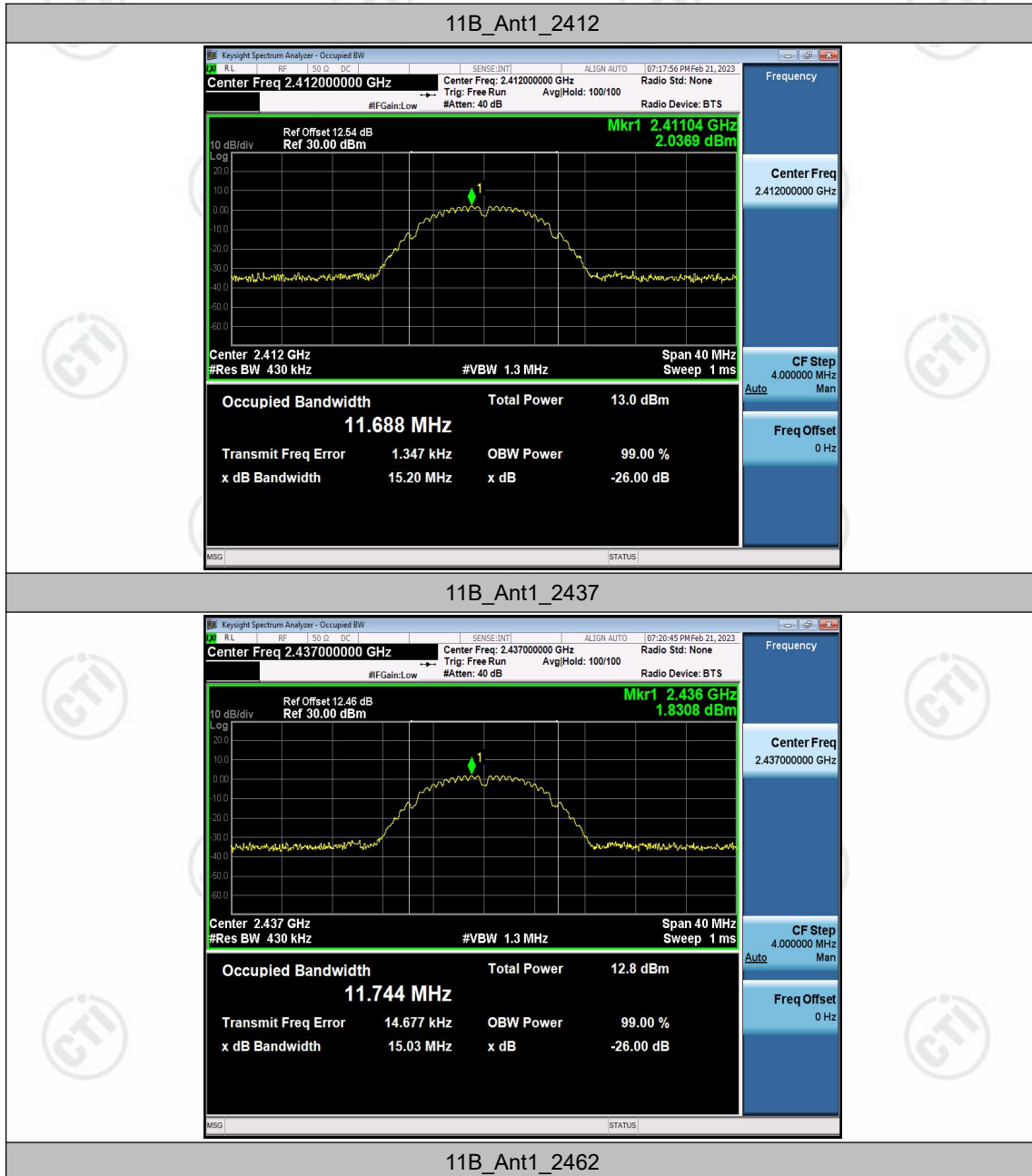


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.688	2406.1574	2417.8454	---	---
		2437	11.744	2431.1427	2442.8867	---	---
		2462	11.717	2456.1962	2467.9132	---	---
11G	Ant1	2412	16.897	2403.5352	2420.4322	---	---
		2437	17.189	2428.3928	2445.5818	---	---
		2462	16.896	2453.5749	2470.4709	---	---
11N20SI SO	Ant1	2412	17.891	2403.0623	2420.9533	---	---
		2437	18.159	2427.9390	2446.0980	---	---
		2462	17.940	2453.0461	2470.9861	---	---
11N40SI SO	Ant1	2422	36.389	2403.7985	2440.1875	---	---
		2437	36.490	2418.7922	2455.2822	---	---
		2452	36.324	2433.9337	2470.2577	---	---

Test Graphs

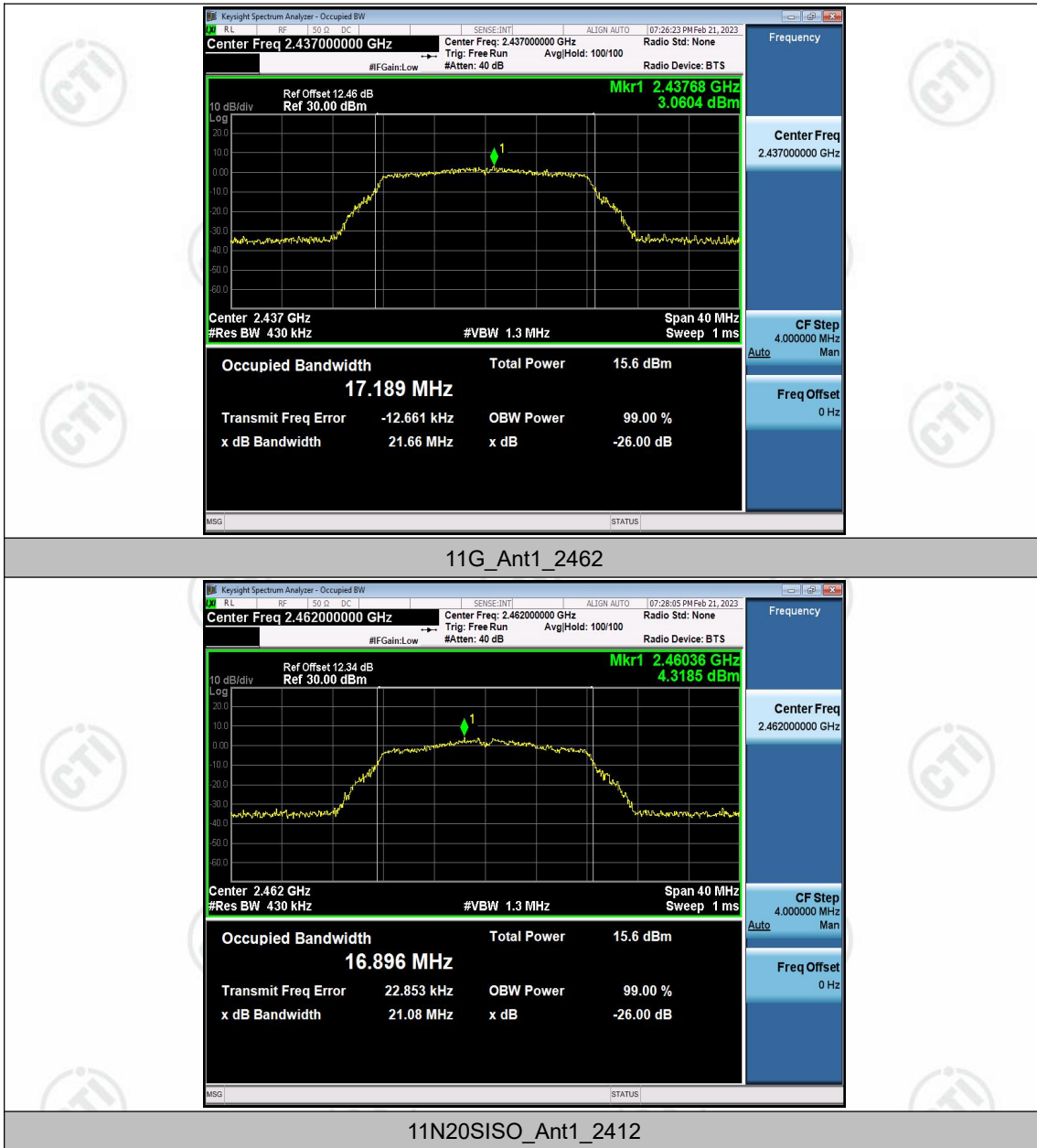




11G_Ant1_2412



11G_Ant1_2437





11N20SISO_Ant1_2437



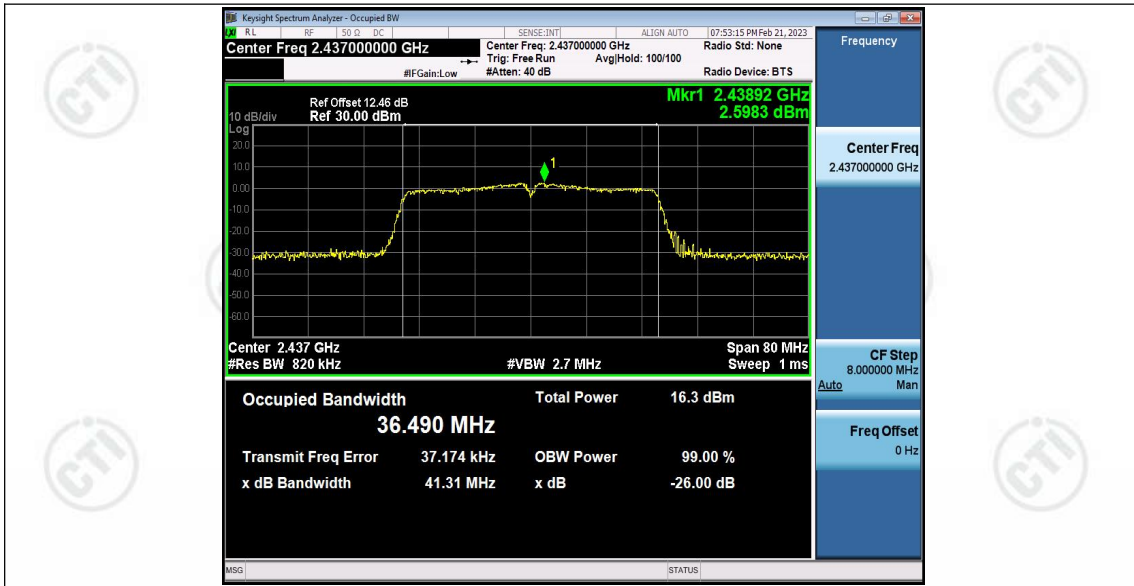
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix C: Maximum conducted output power

Test Result

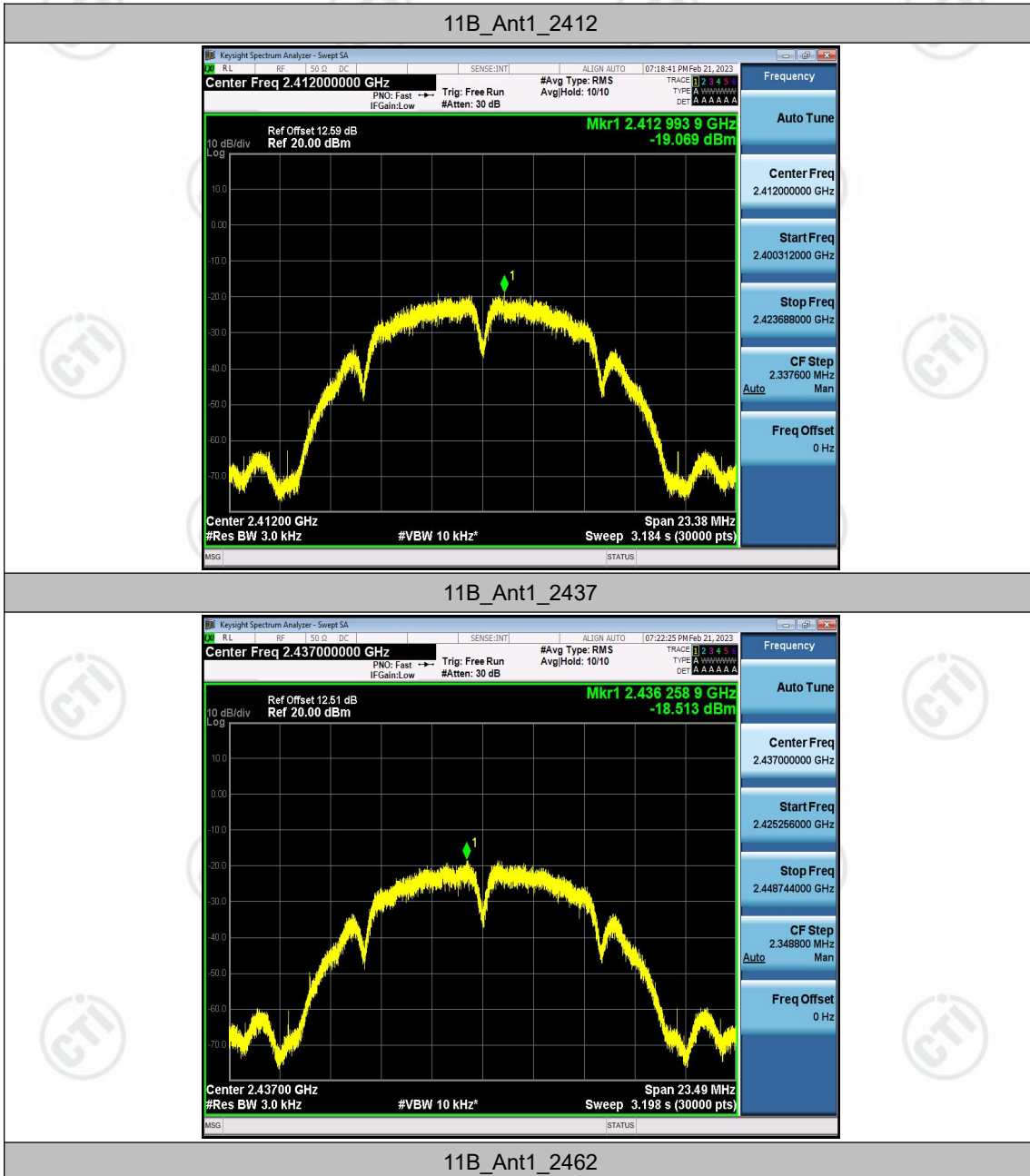
TestMode	Antenna	Frequency [MHz]	Set Power	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	---	10.04	≤30.00	PASS
		2437	---	10.64	≤30.00	PASS
		2462	---	10.72	≤30.00	PASS
11G	Ant1	2412	---	9.91	≤30.00	PASS
		2437	---	9.50	≤30.00	PASS
		2462	---	9.60	≤30.00	PASS
11N20SIS O	Ant1	2412	---	9.47	≤30.00	PASS
		2437	---	9.18	≤30.00	PASS
		2462	---	9.23	≤30.00	PASS
11N40SIS O	Ant1	2422	---	9.69	≤30.00	PASS
		2437	---	9.47	≤30.00	PASS
		2452	---	9.44	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

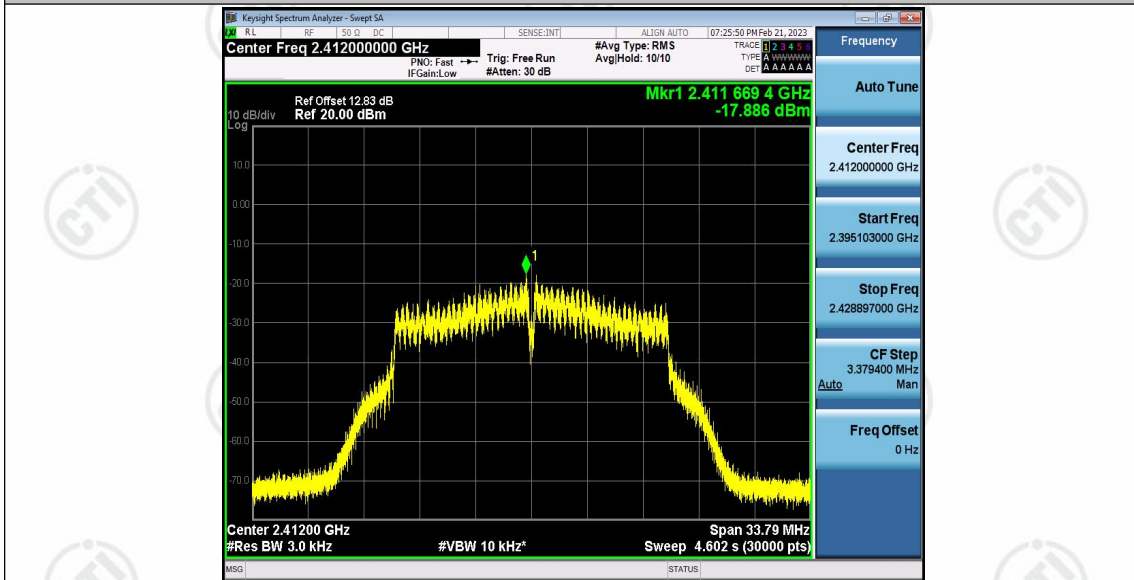
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-19.07	≤8.00	PASS
		2437	-18.51	≤8.00	PASS
		2462	-18.99	≤8.00	PASS
11G	Ant1	2412	-17.89	≤8.00	PASS
		2437	-18.66	≤8.00	PASS
		2462	-19.1	≤8.00	PASS
11N20SISO	Ant1	2412	-20.07	≤8.00	PASS
		2437	-21.75	≤8.00	PASS
		2462	-20.42	≤8.00	PASS
11N40SISO	Ant1	2422	-23.54	≤8.00	PASS
		2437	-24.56	≤8.00	PASS
		2452	-23.54	≤8.00	PASS

Test Graphs

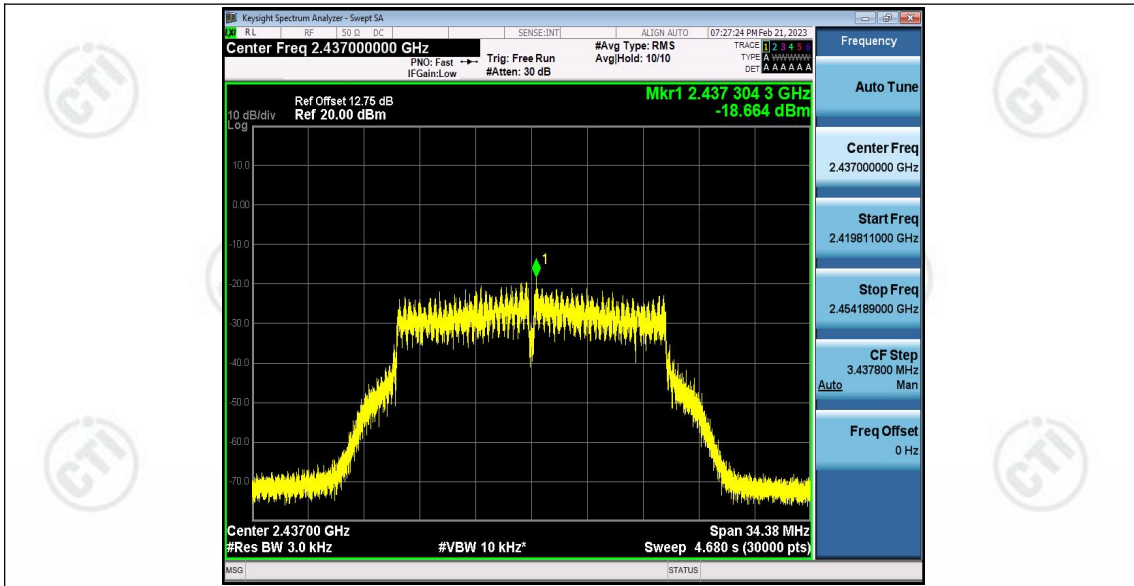




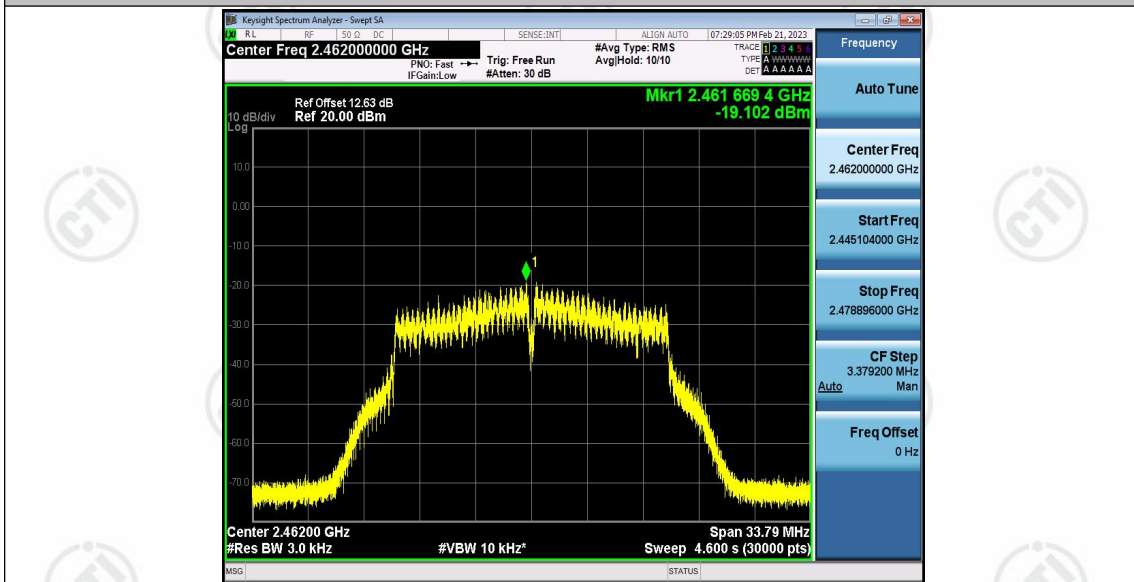
11G_Ant1_2412



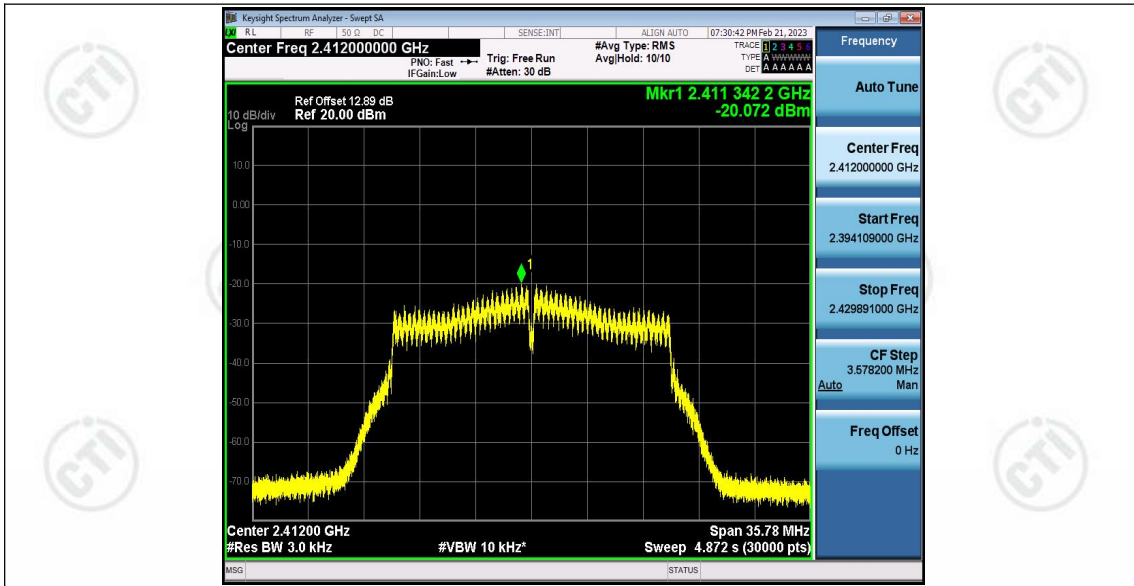
11G_Ant1_2437



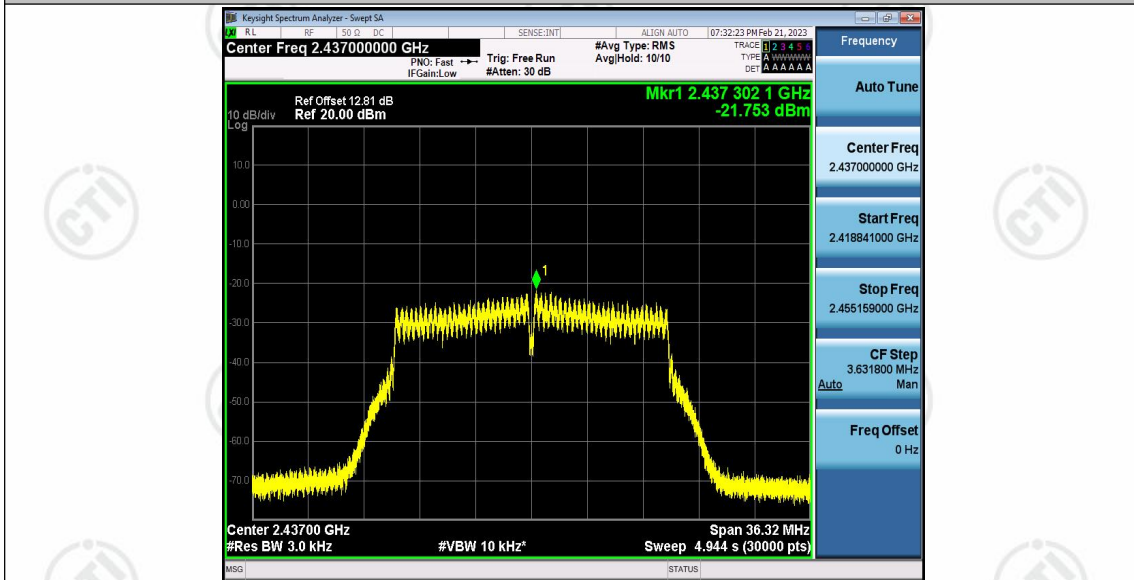
11G_Ant1_2462



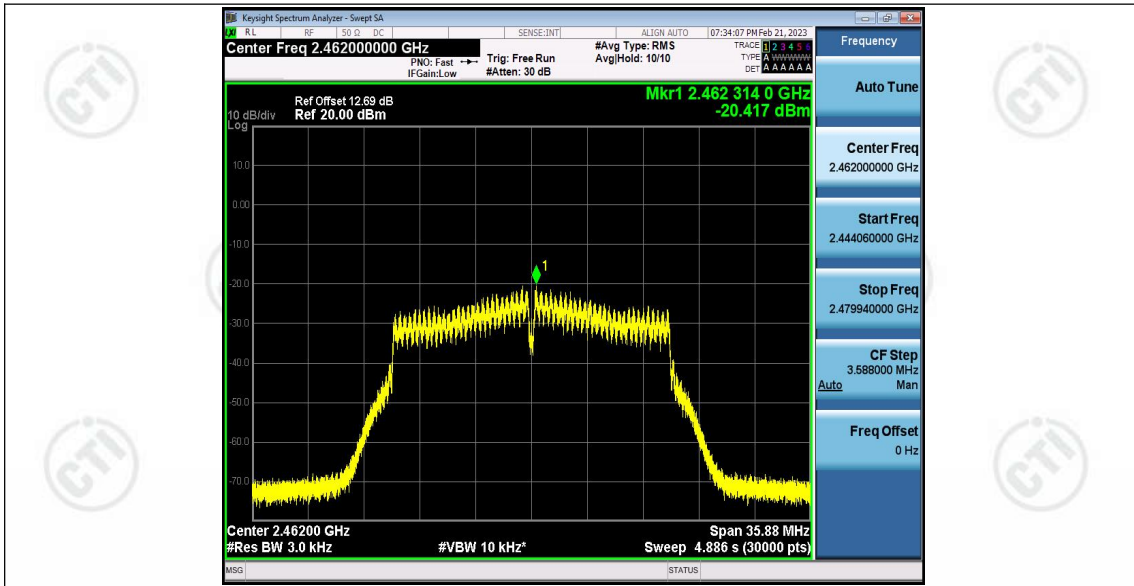
11N20SISO_Ant1_2412



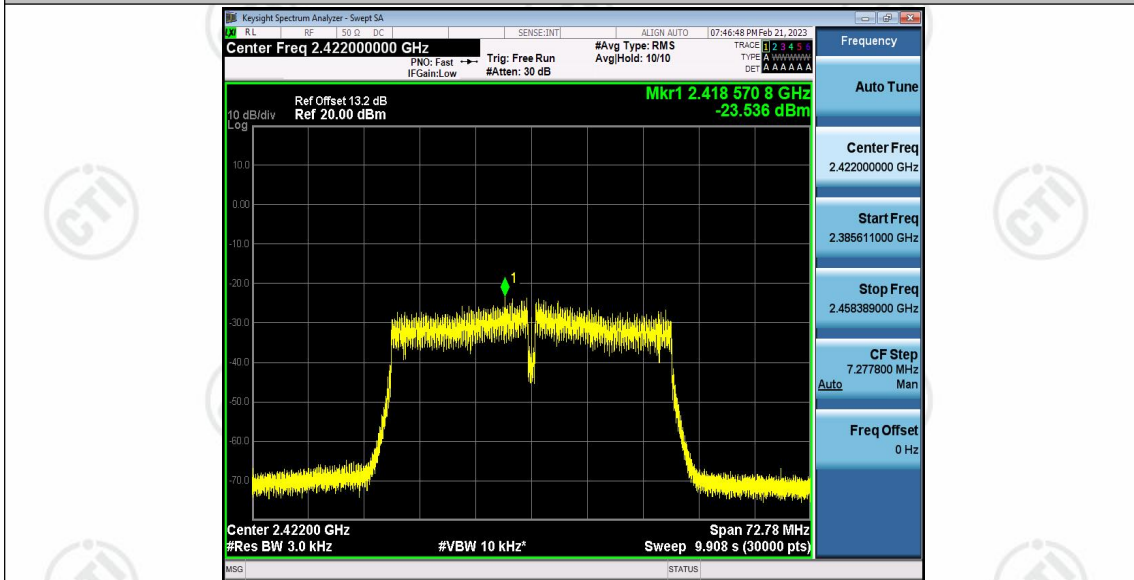
11N20SISO_Ant1_2437



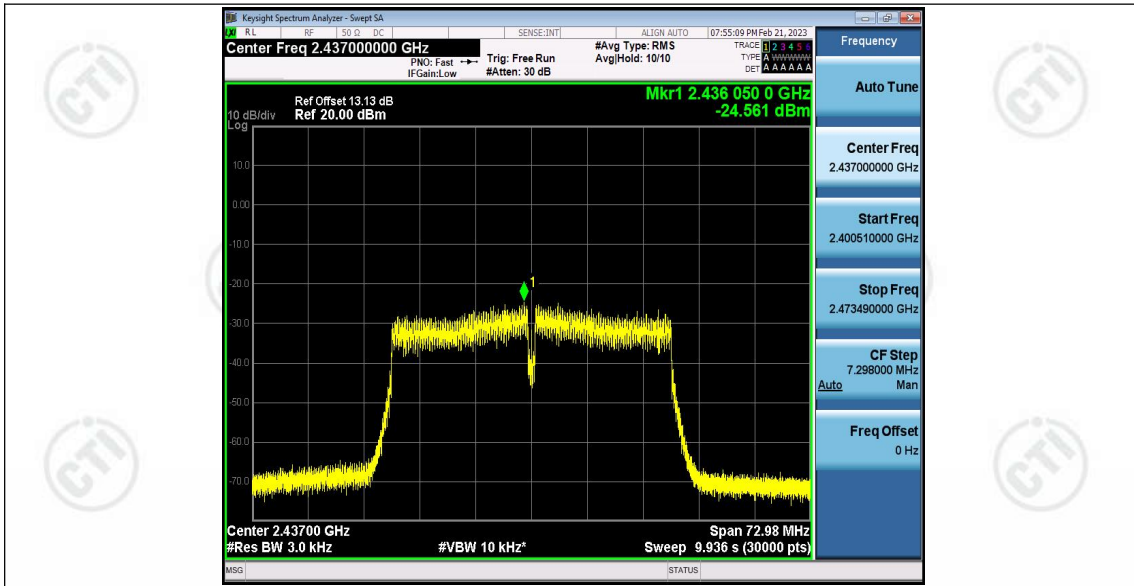
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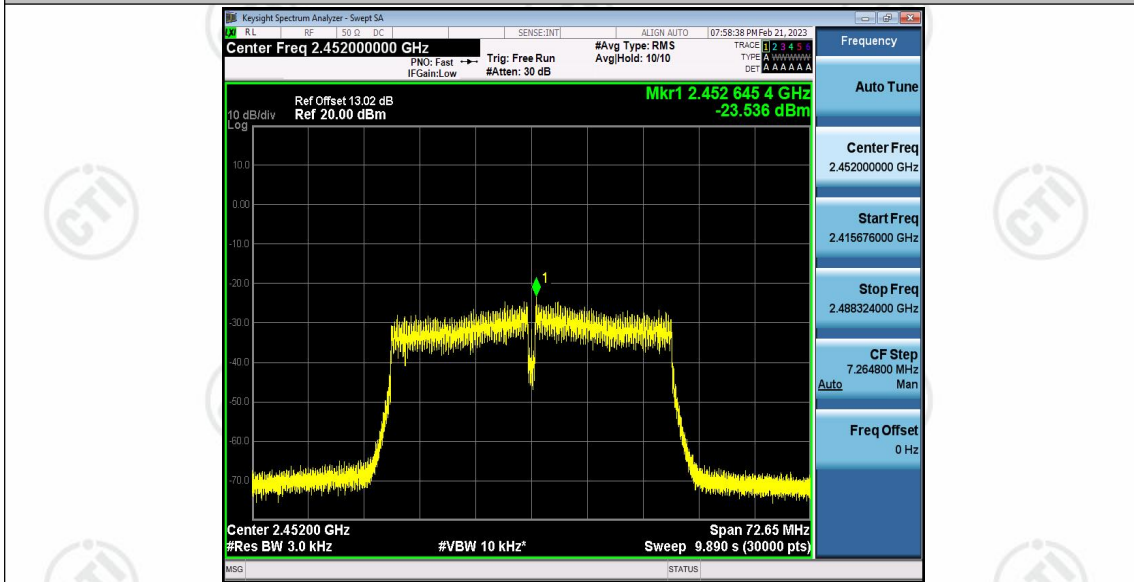
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix E: Band edge measurements**Test Result**

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.71	-46.46	≤-28.3	PASS
		High	2462	1.13	-47.36	≤-28.87	PASS
11G	Ant1	Low	2412	-2.40	-46.16	≤-32.4	PASS
		High	2462	-2.91	-47.25	≤-32.91	PASS
11N20SIS O	Ant1	Low	2412	0.78	-39.67	≤-29.22	PASS
		High	2462	-2.18	-47.59	≤-32.18	PASS
11N40SIS O	Ant1	Low	2422	-4.43	-42.33	≤-34.43	PASS
		High	2452	-4.44	-44.38	≤-34.44	PASS

Test Graphs

