

Appendix: 2.4G WIFI

Contents

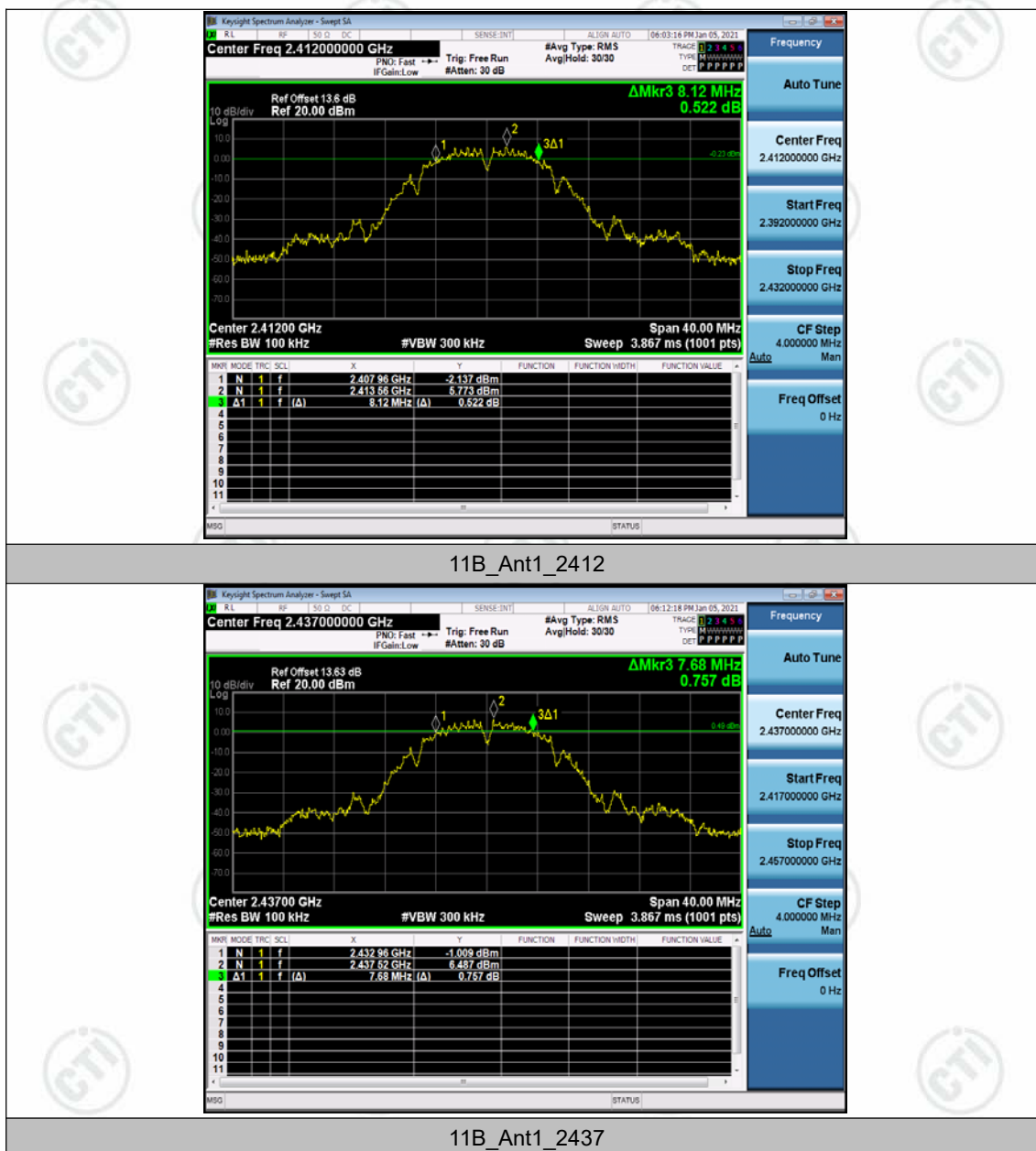
Appendix A: DTS Bandwidth.....	3
Test Result.....	3
Test Graphs.....	4
Appendix B: Occupied Channel Bandwidth.....	10
Test Result.....	10
Test Graphs.....	11
Appendix C: Maximum conducted output power.....	17
Test Result.....	17
Appendix D: Maximum power spectral density.....	18
Test Result.....	18
Test Graphs.....	19
Appendix E: Band edge measurements.....	25
Test Result.....	25
Test Graphs.....	26
Appendix F: Conducted Spurious Emission.....	30
Test Result.....	30
Test Graphs.....	32
Appendix G: Duty Cycle.....	50
Test Result.....	50
Test Graphs.....	51

Appendix A: DTS Bandwidth

Test Result

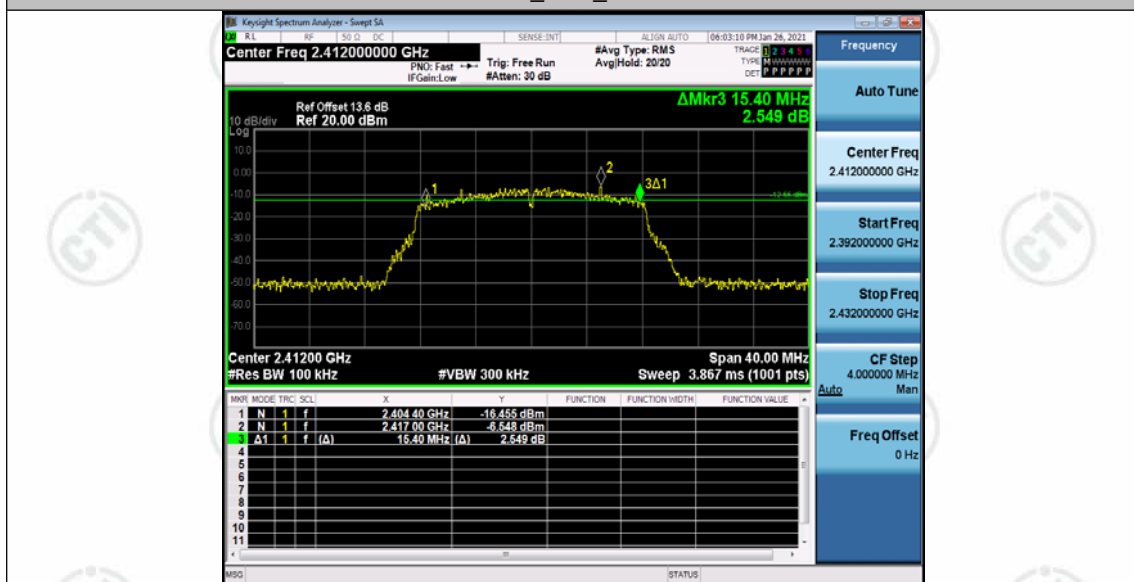
Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.120	2407.960	2416.080	0.5	PASS
		2437	7.680	2432.960	2440.640	0.5	PASS
		2462	7.640	2457.960	2465.600	0.5	PASS
11G	Ant1	2412	15.400	2404.400	2419.800	0.5	PASS
		2437	16.400	2428.840	2445.240	0.5	PASS
		2462	15.800	2454.200	2470.000	0.5	PASS
11N20SISO	Ant1	2412	15.560	2404.400	2419.960	0.5	PASS
		2437	16.520	2428.960	2445.480	0.5	PASS
		2462	16.800	2453.600	2470.400	0.5	PASS
11N40SISO	Ant1	2422	35.200	2404.400	2439.600	0.5	PASS
		2437	36.000	2419.240	2455.240	0.5	PASS
		2452	36.240	2434.000	2470.240	0.5	PASS

Test Graphs

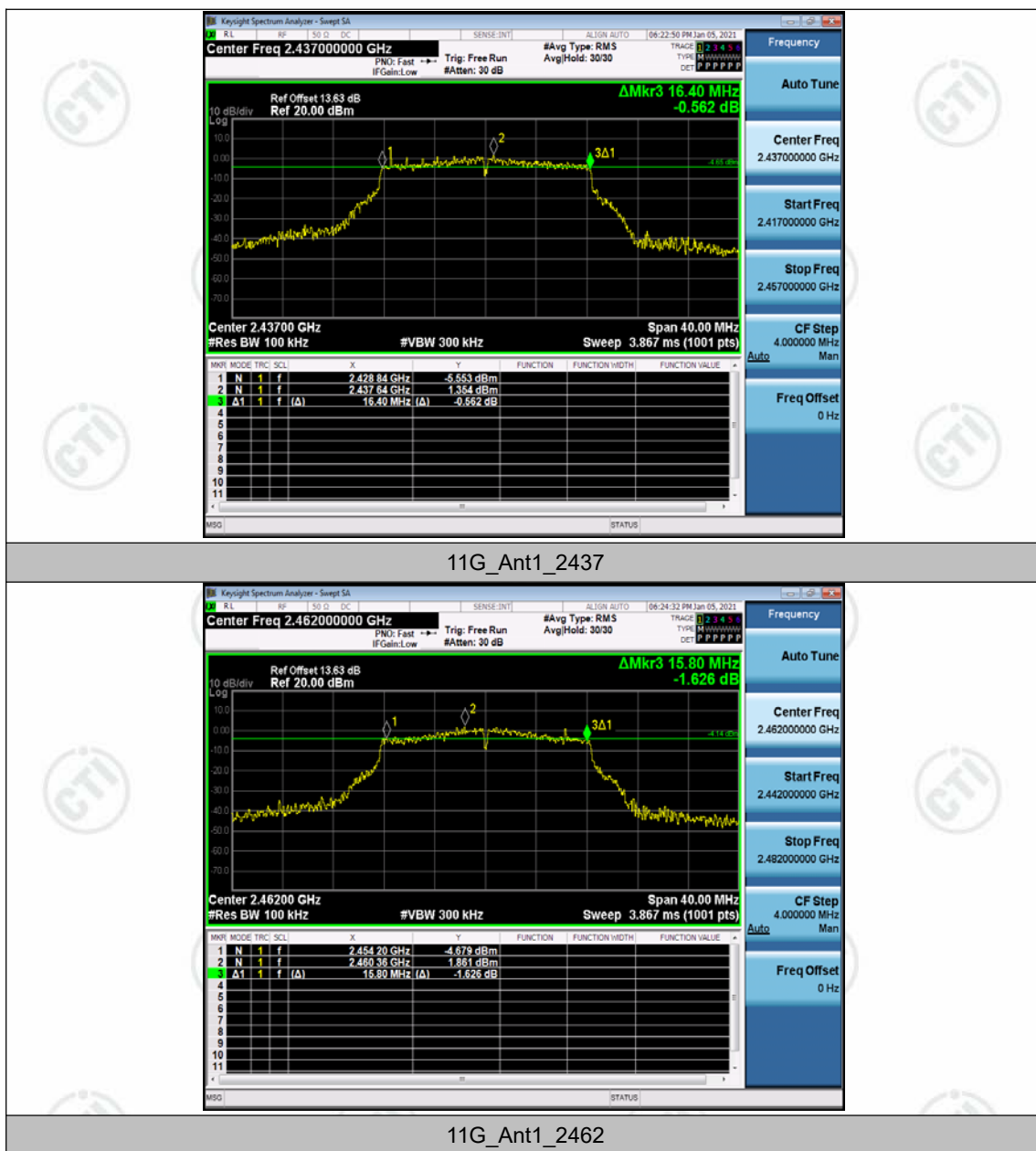


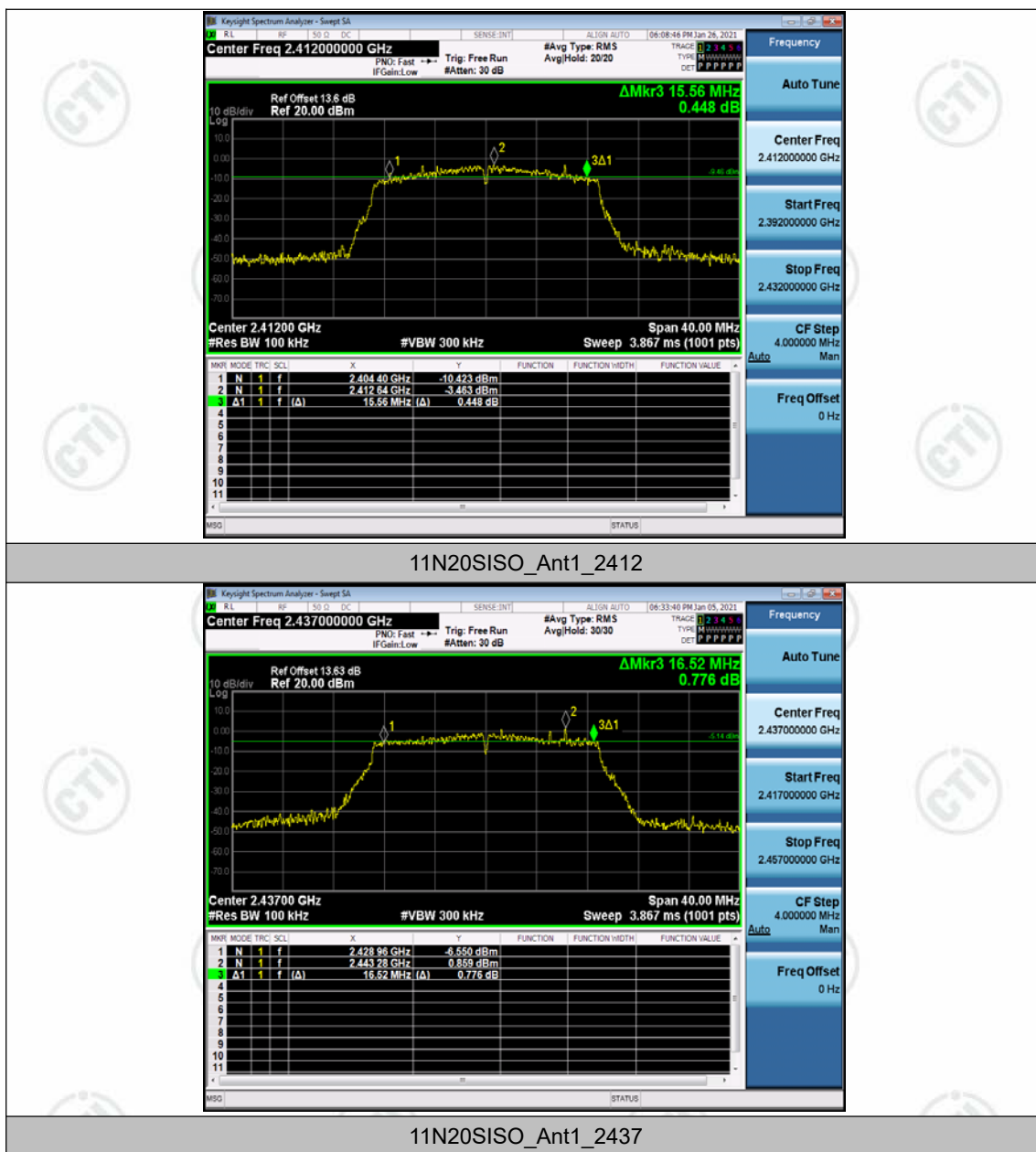


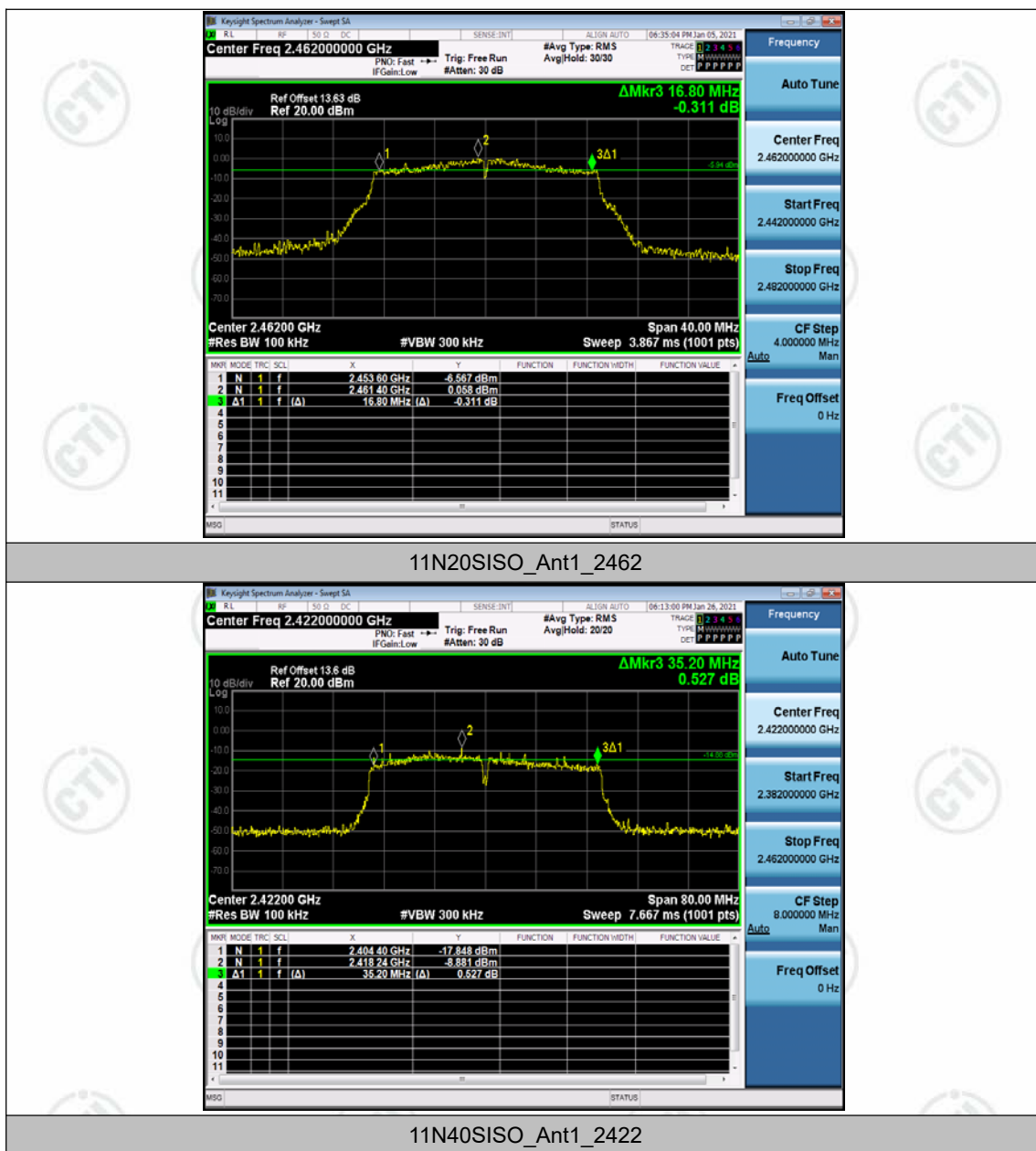
11B_Ant1_2462

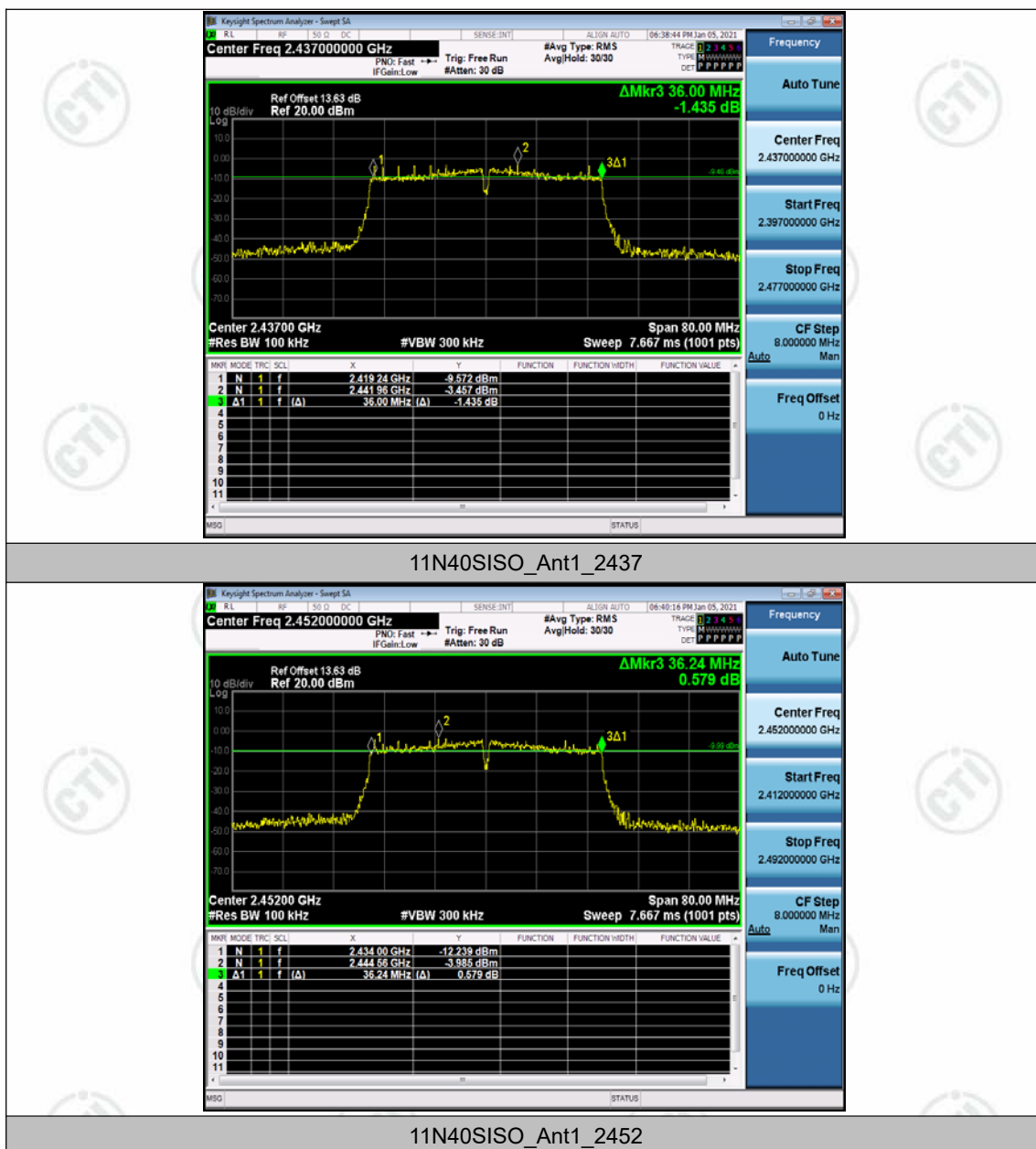


11G_Ant1_2412







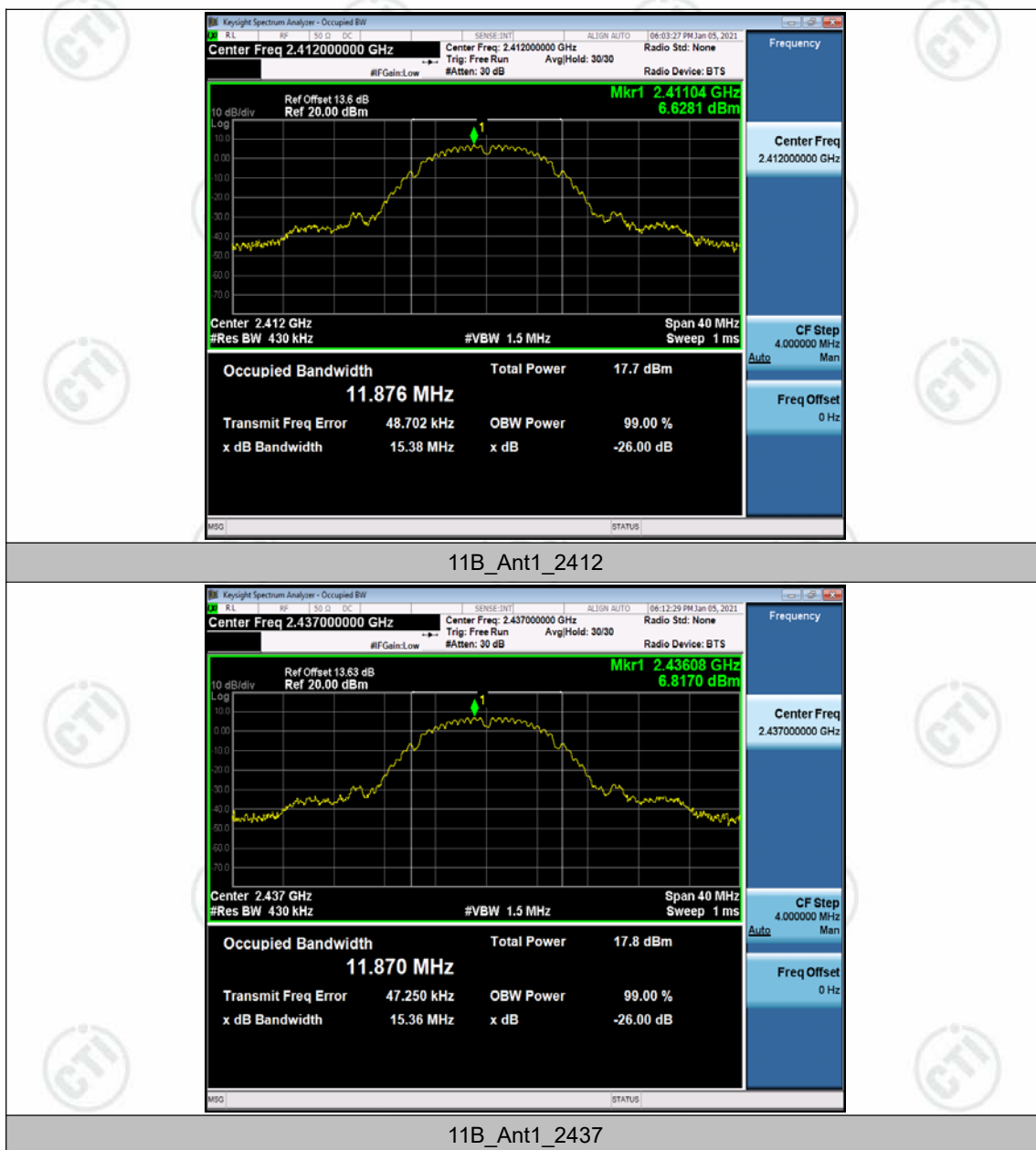


Appendix B: Occupied Channel Bandwidth

Test Result

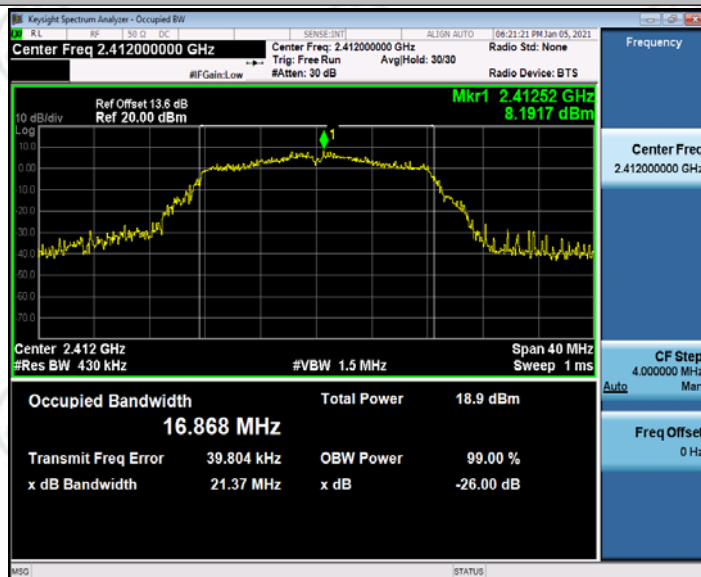
Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.876	2406.111	2417.987	---	PASS
		2437	11.870	2431.112	2442.982	---	PASS
		2462	11.948	2456.044	2467.992	---	PASS
11G	Ant1	2412	16.868	2403.606	2420.474	---	PASS
		2437	16.929	2428.605	2445.534	---	PASS
		2462	16.778	2453.605	2470.383	---	PASS
11N20SISO	Ant1	2412	17.743	2403.201	2420.944	---	PASS
		2437	18.050	2427.968	2446.018	---	PASS
		2462	17.811	2453.109	2470.920	---	PASS
11N40SISO	Ant1	2422	36.106	2404.034	2440.140	---	PASS
		2437	36.164	2419.007	2455.171	---	PASS
		2452	36.156	2433.974	2470.130	---	PASS

Test Graphs

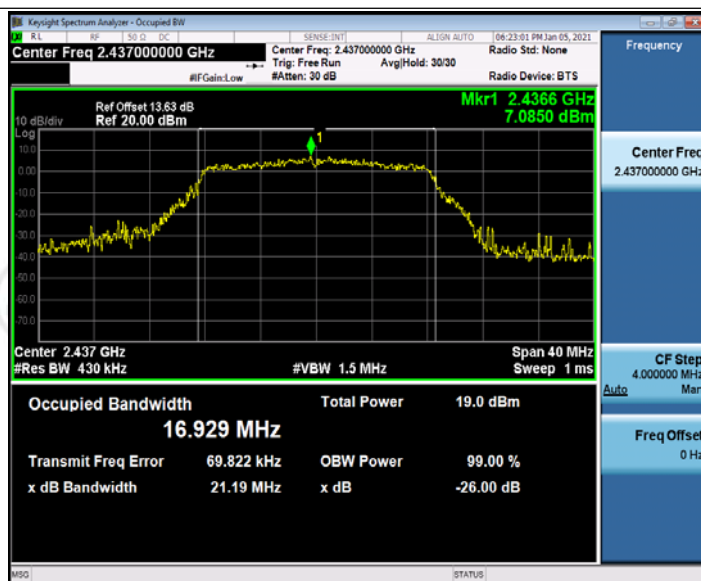




11B_Ant1_2462



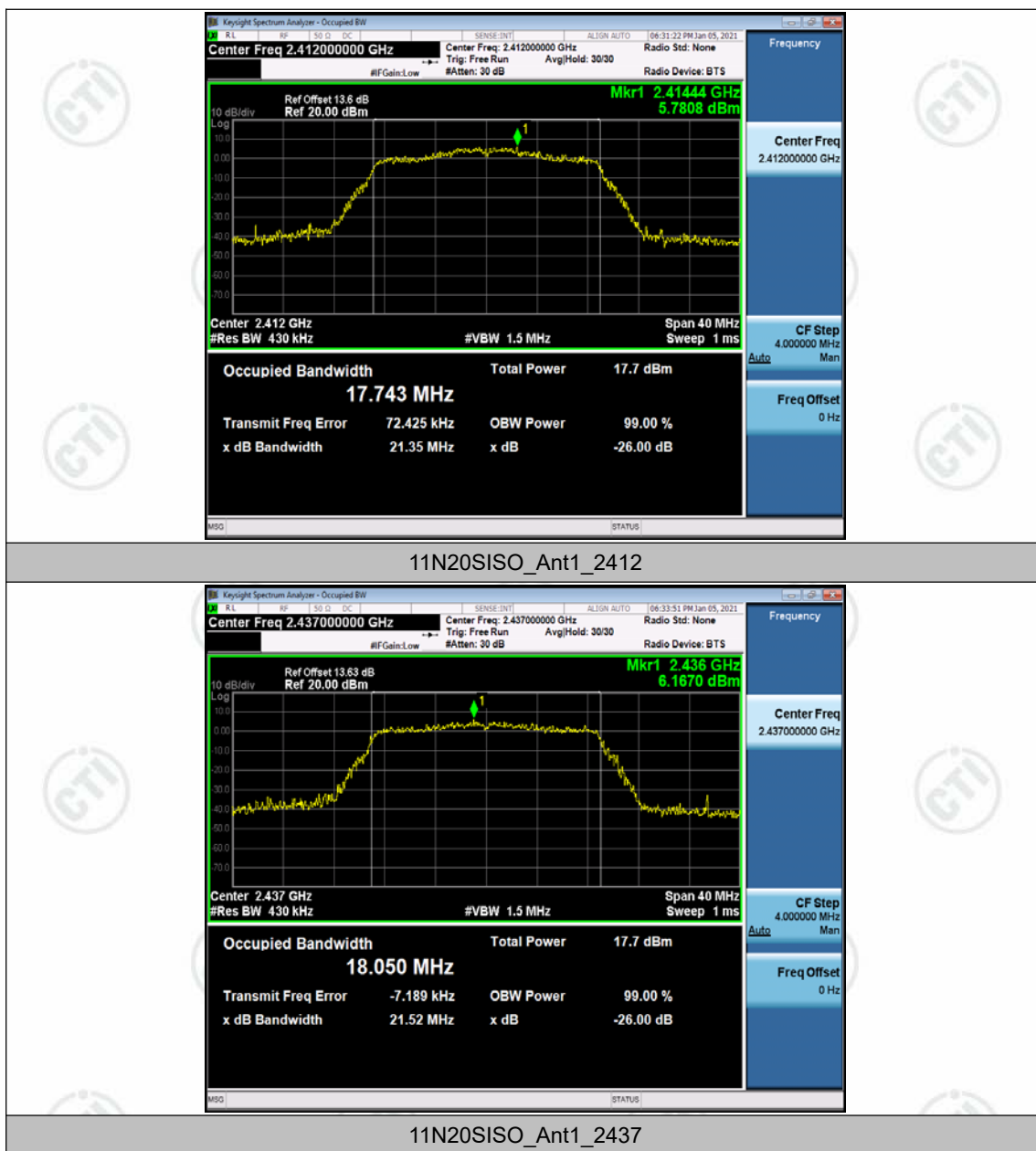
11G_Ant1_2412

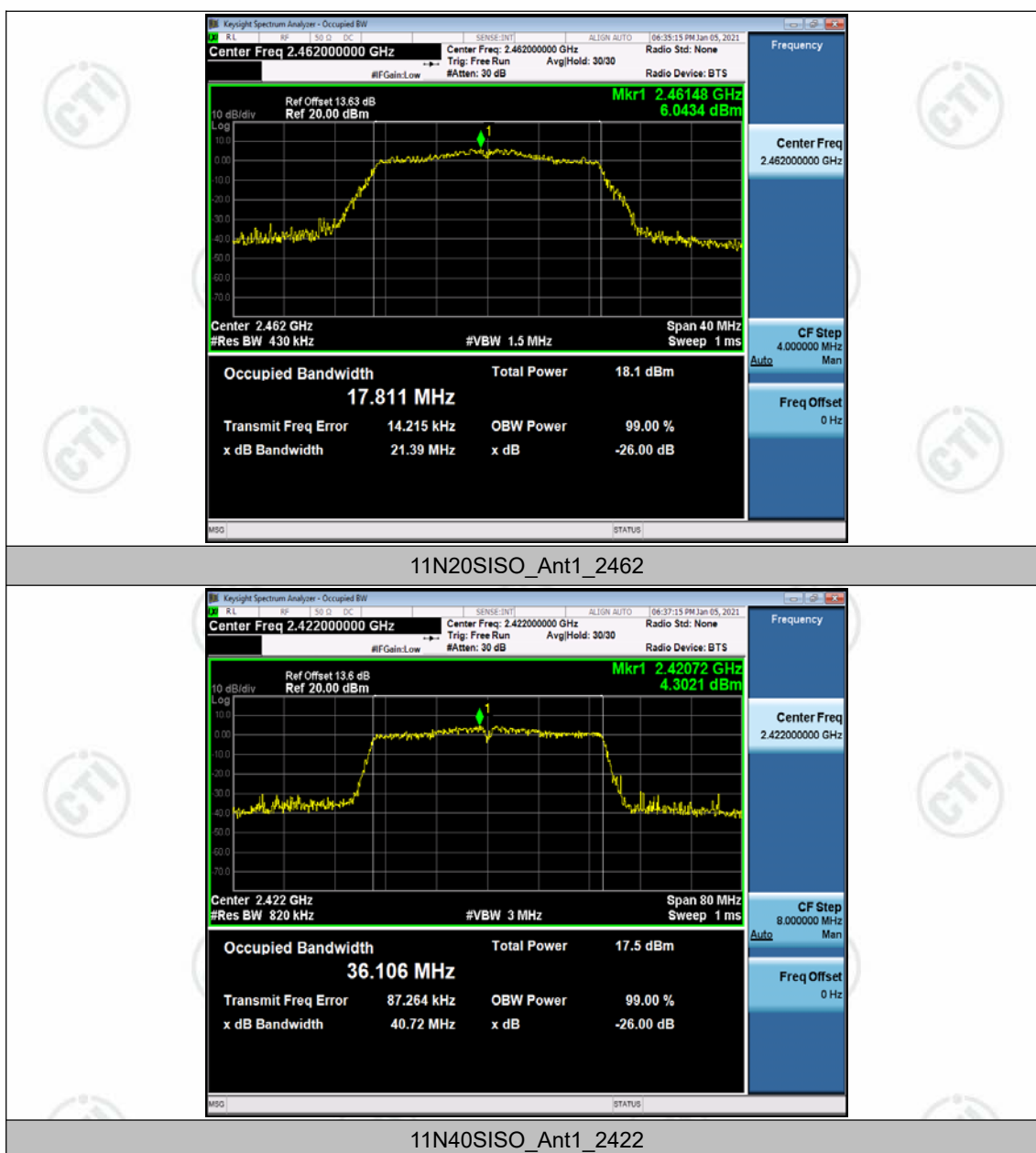


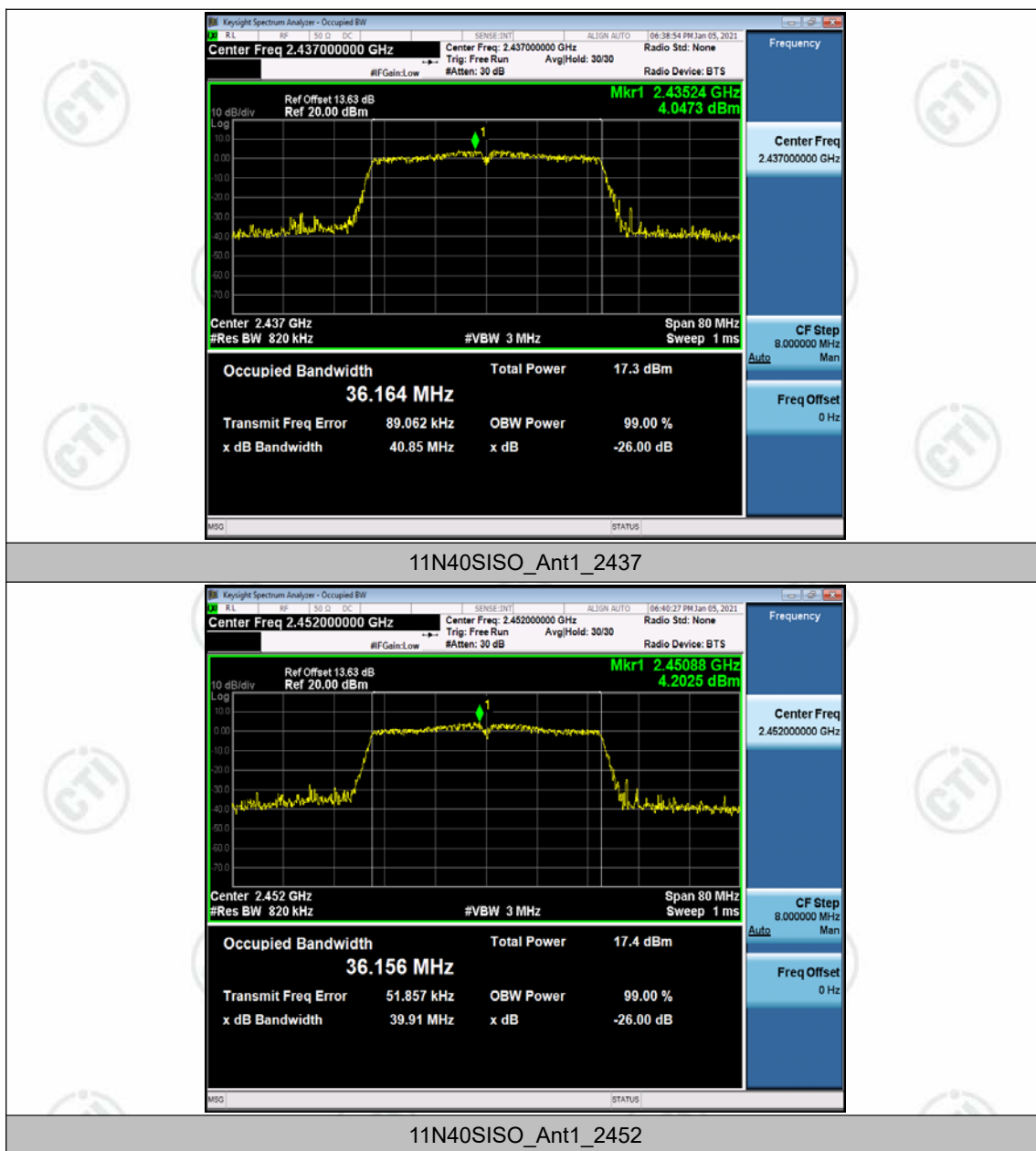
11G_Ant1_2437



11G_Ant1_2462







Appendix C: Maximum conducted output power

Test Result

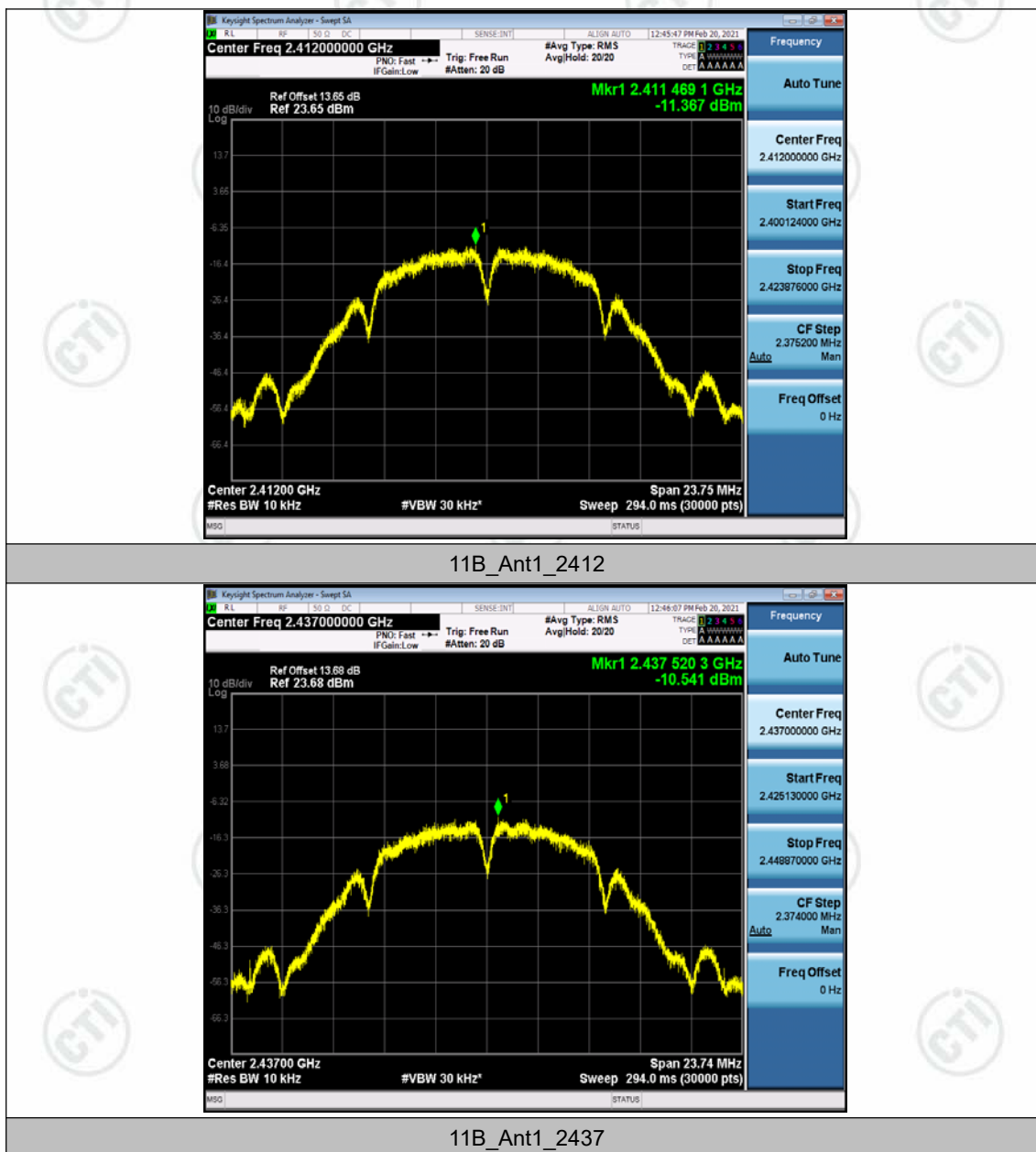
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	13.88	<=30	PASS
		2437	13.67	<=30	PASS
		2462	13.34	<=30	PASS
11G	Ant1	2412	12.23	<=30	PASS
		2437	12.31	<=30	PASS
		2462	11.39	<=30	PASS
11N20SISO	Ant1	2412	11.58	<=30	PASS
		2437	11.88	<=30	PASS
		2462	12.08	<=30	PASS
11N40SISO	Ant1	2422	10.76	<=30	PASS
		2437	10.87	<=30	PASS
		2452	10.88	<=30	PASS

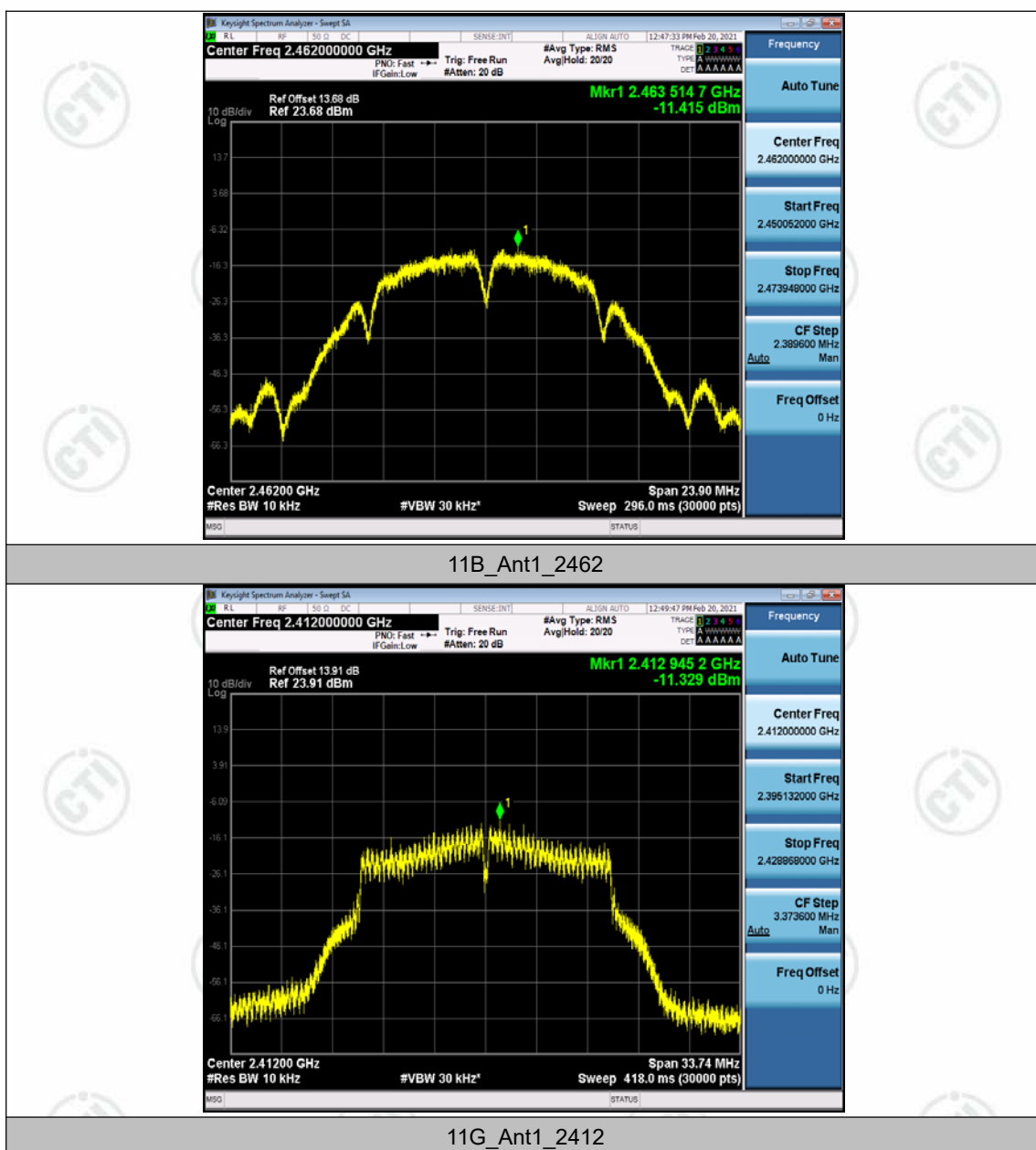
Appendix D: Maximum power spectral density

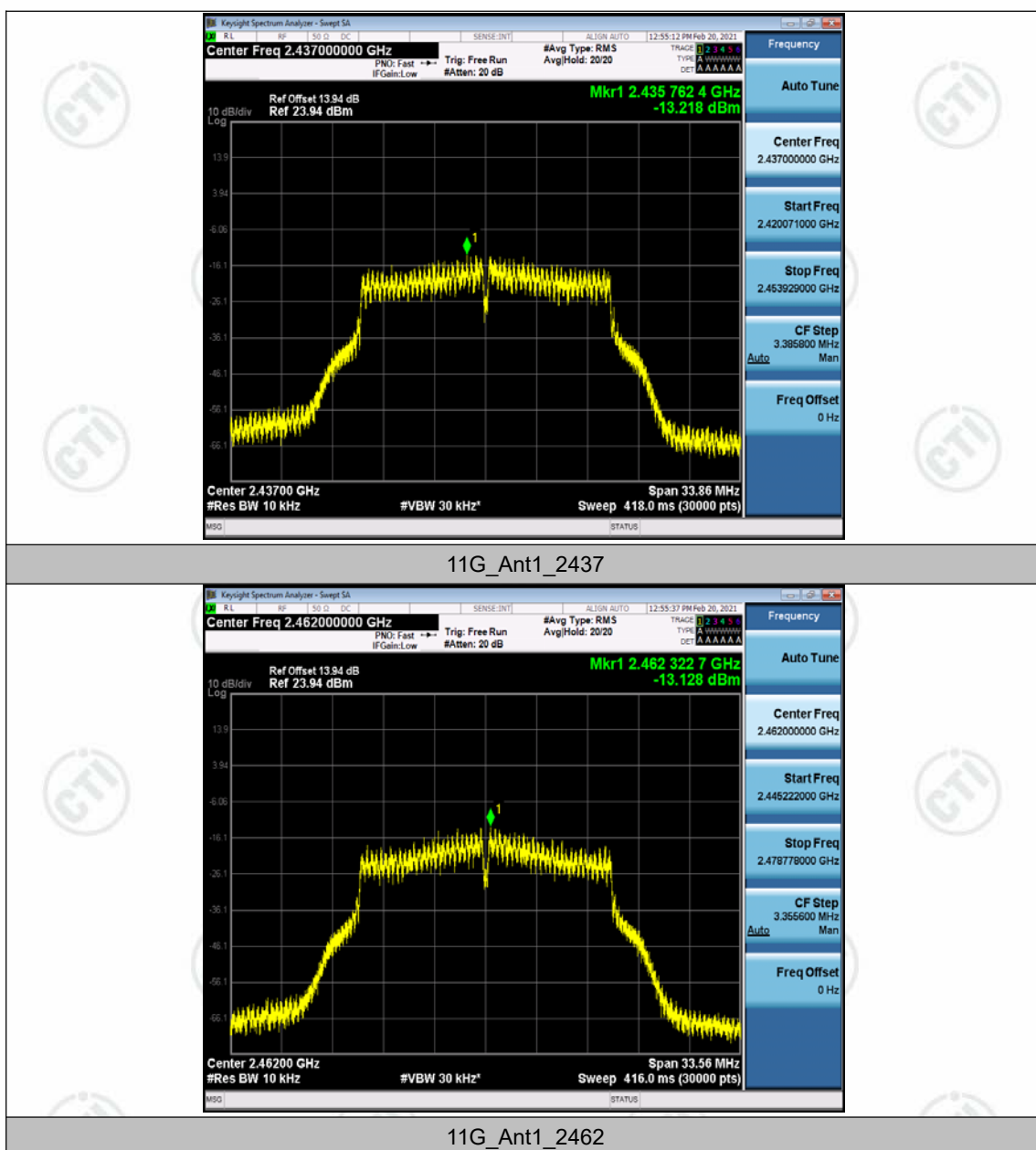
Test Result

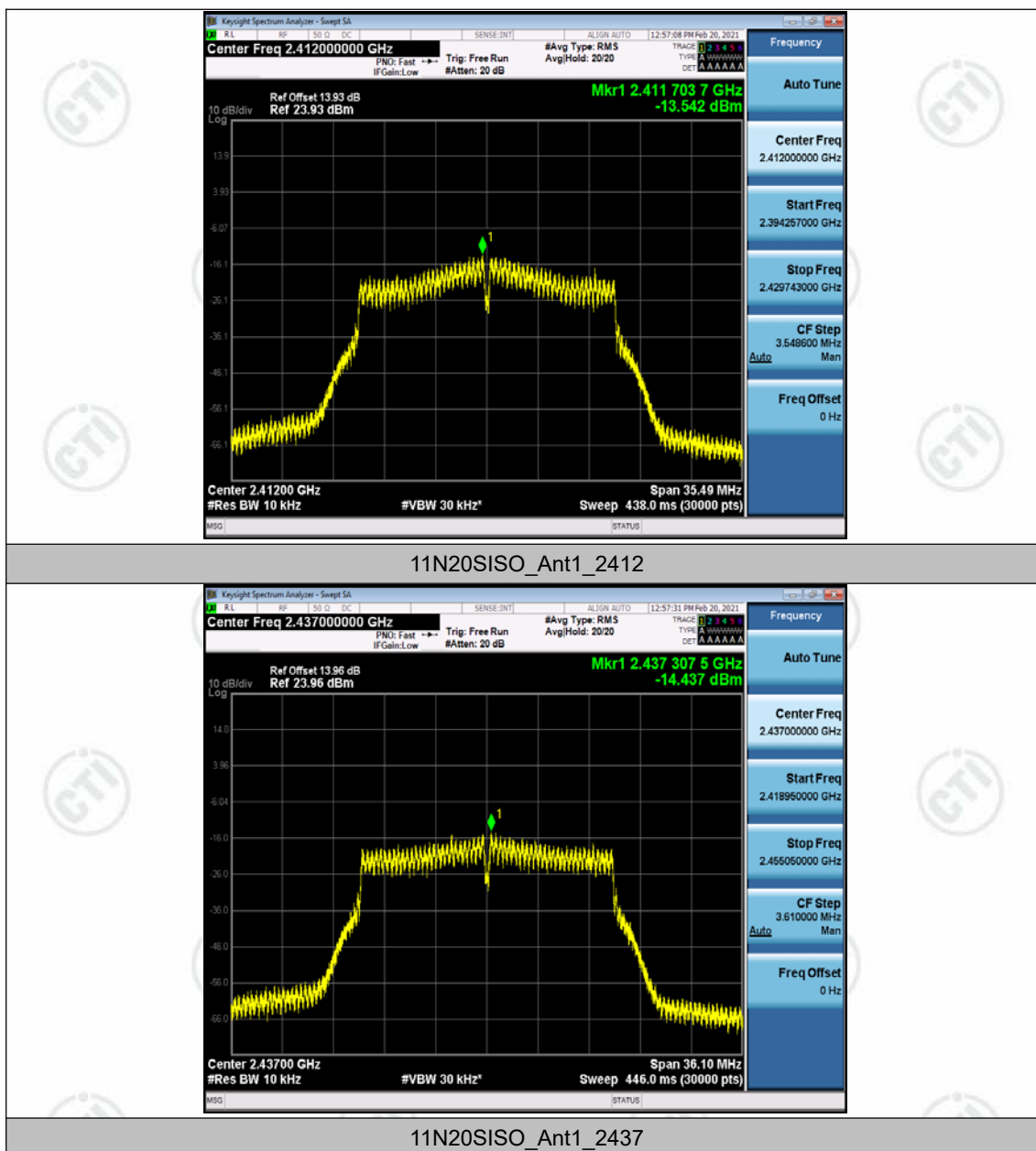
Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.37	<=8	PASS
		2437	-10.54	<=8	PASS
		2462	-11.42	<=8	PASS
11G	Ant1	2412	-11.33	<=8	PASS
		2437	-13.22	<=8	PASS
		2462	-13.13	<=8	PASS
11N20SISO	Ant1	2412	-13.54	<=8	PASS
		2437	-14.44	<=8	PASS
		2462	-13.35	<=8	PASS
11N40SISO	Ant1	2422	-17.61	<=8	PASS
		2437	-18.56	<=8	PASS
		2452	-18.29	<=8	PASS

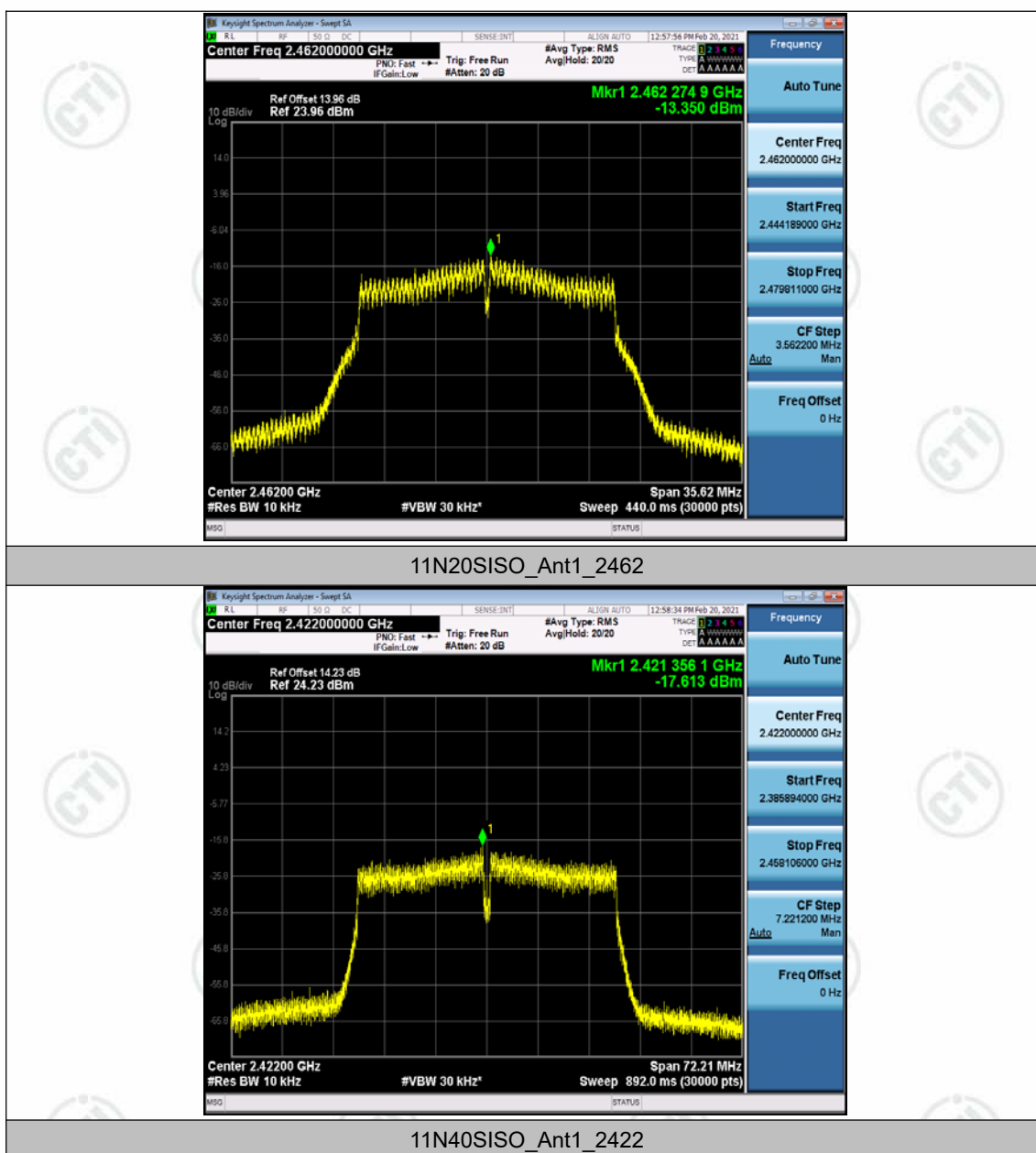
Test Graphs

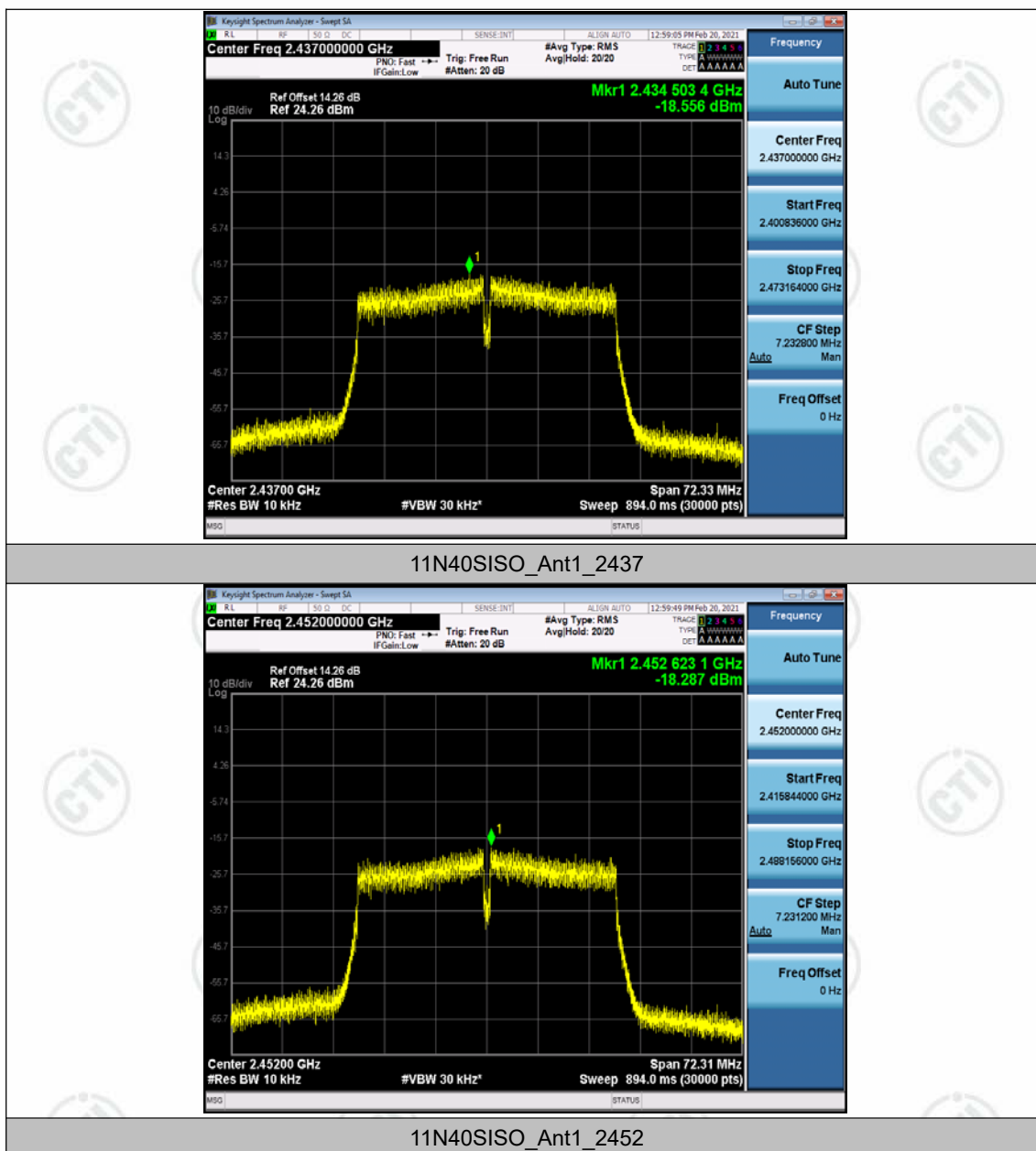












Appendix E:Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.21	-36.55	<=-24.79	PASS
		High	2462	5.08	-46.02	<=-24.92	PASS
11G	Ant1	Low	2412	0.97	-35.05	<=-29.03	PASS
		High	2462	1.63	-42.96	<=-28.38	PASS
11N20SISO	Ant1	Low	2412	0.27	-39.83	<=-29.74	PASS
		High	2462	-0.30	-45.73	<=-30.3	PASS
11N40SISO	Ant1	Low	2422	-3.16	-40.79	<=-33.16	PASS
		High	2452	-3.65	-44.84	<=-33.65	PASS