

Appendix: 2.4G WIFI

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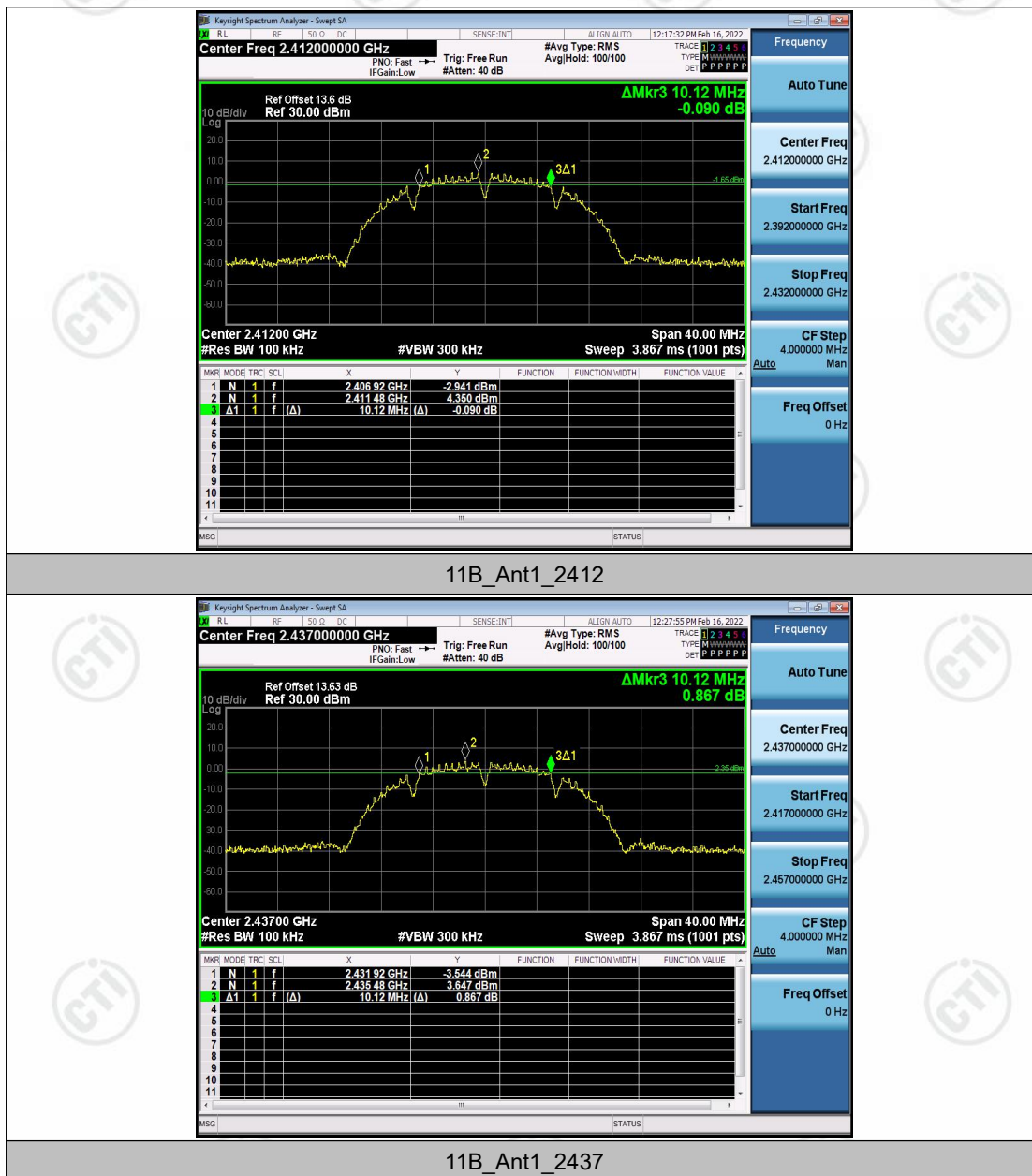
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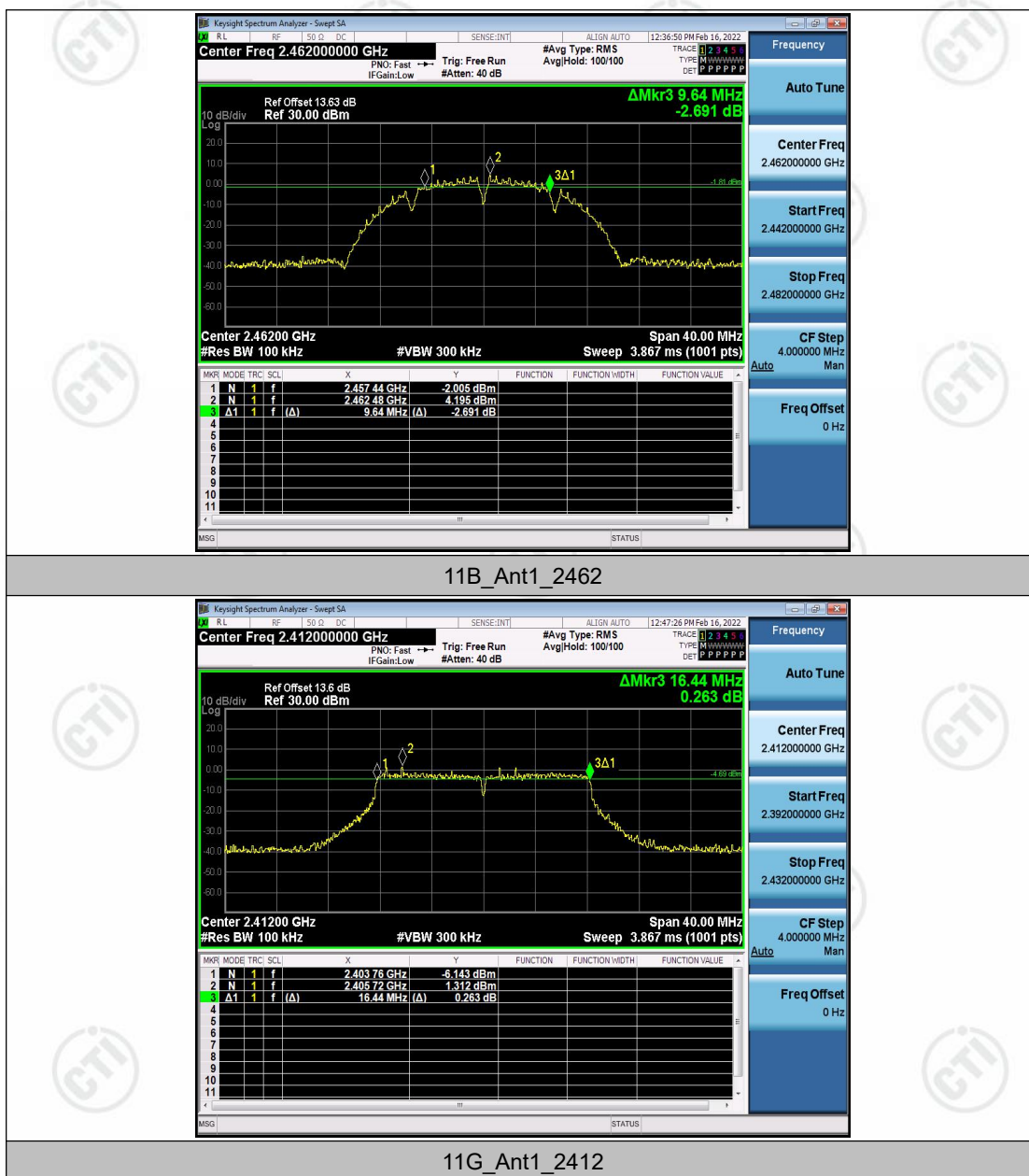
Appendix A: DTS Bandwidth

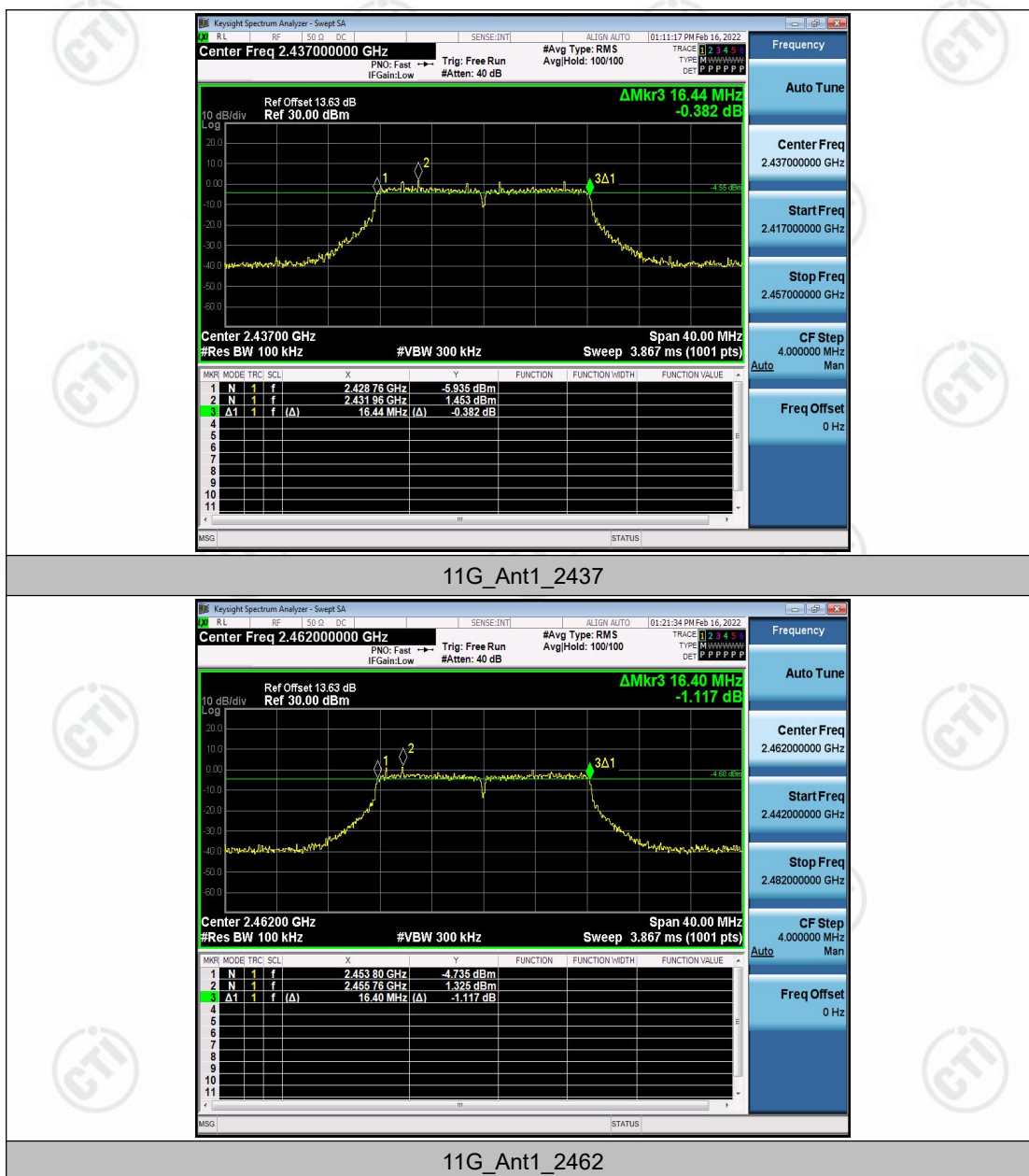
Test Result

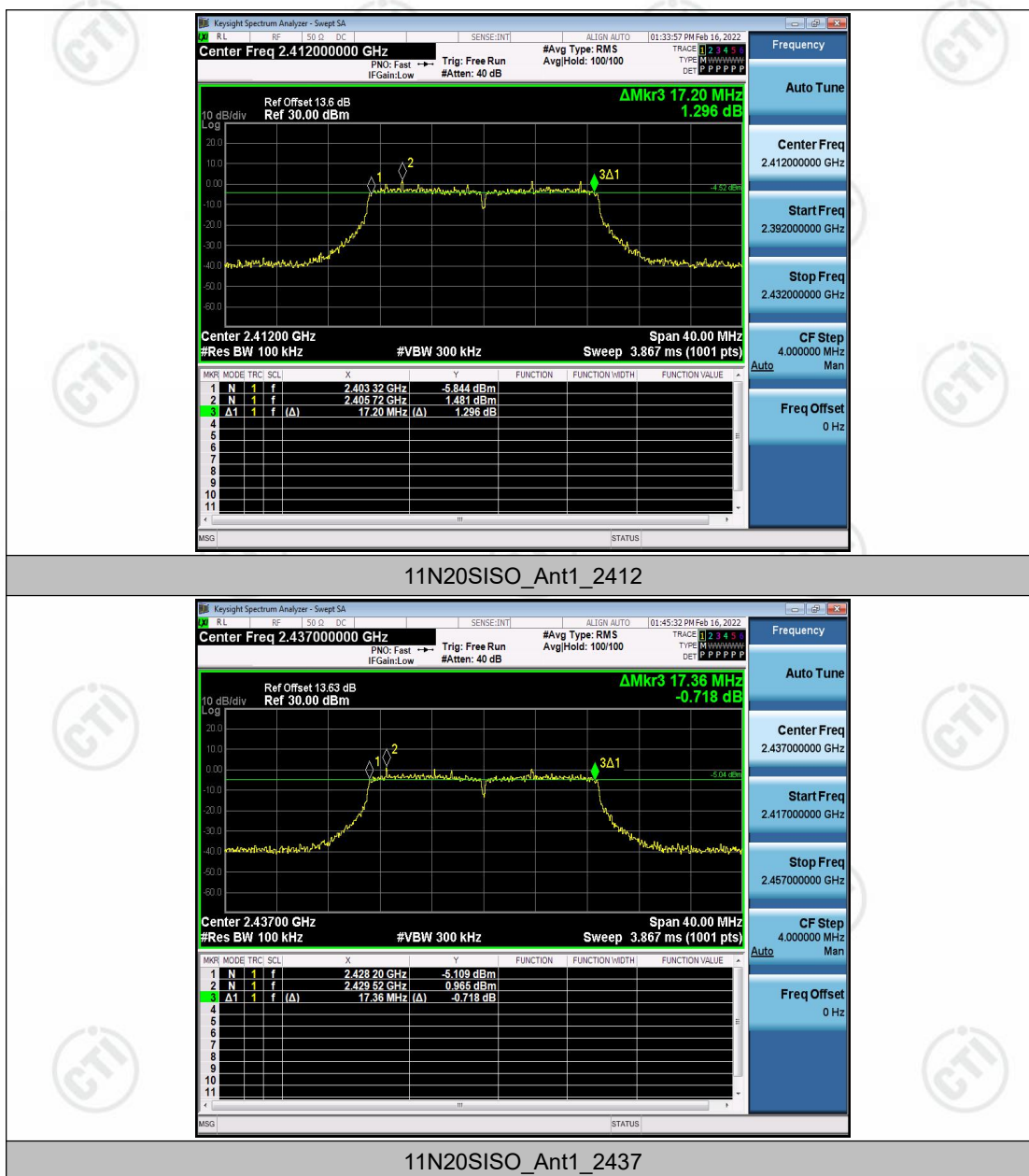
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.120	2406.920	2417.040	0.5	PASS
		2437	10.120	2431.920	2442.040	0.5	PASS
		2462	9.640	2457.440	2467.080	0.5	PASS
11G	Ant1	2412	16.440	2403.760	2420.200	0.5	PASS
		2437	16.440	2428.760	2445.200	0.5	PASS
		2462	16.400	2453.800	2470.200	0.5	PASS
11N20SI SO	Ant1	2412	17.200	2403.320	2420.520	0.5	PASS
		2437	17.360	2428.200	2445.560	0.5	PASS
		2462	17.160	2453.400	2470.560	0.5	PASS

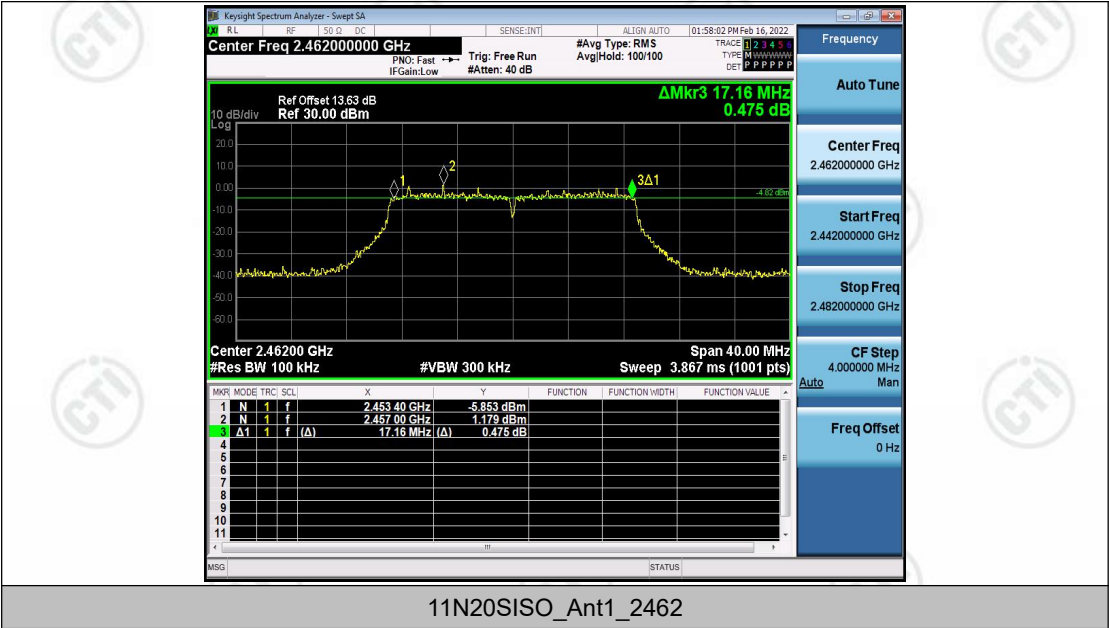
Test Graphs









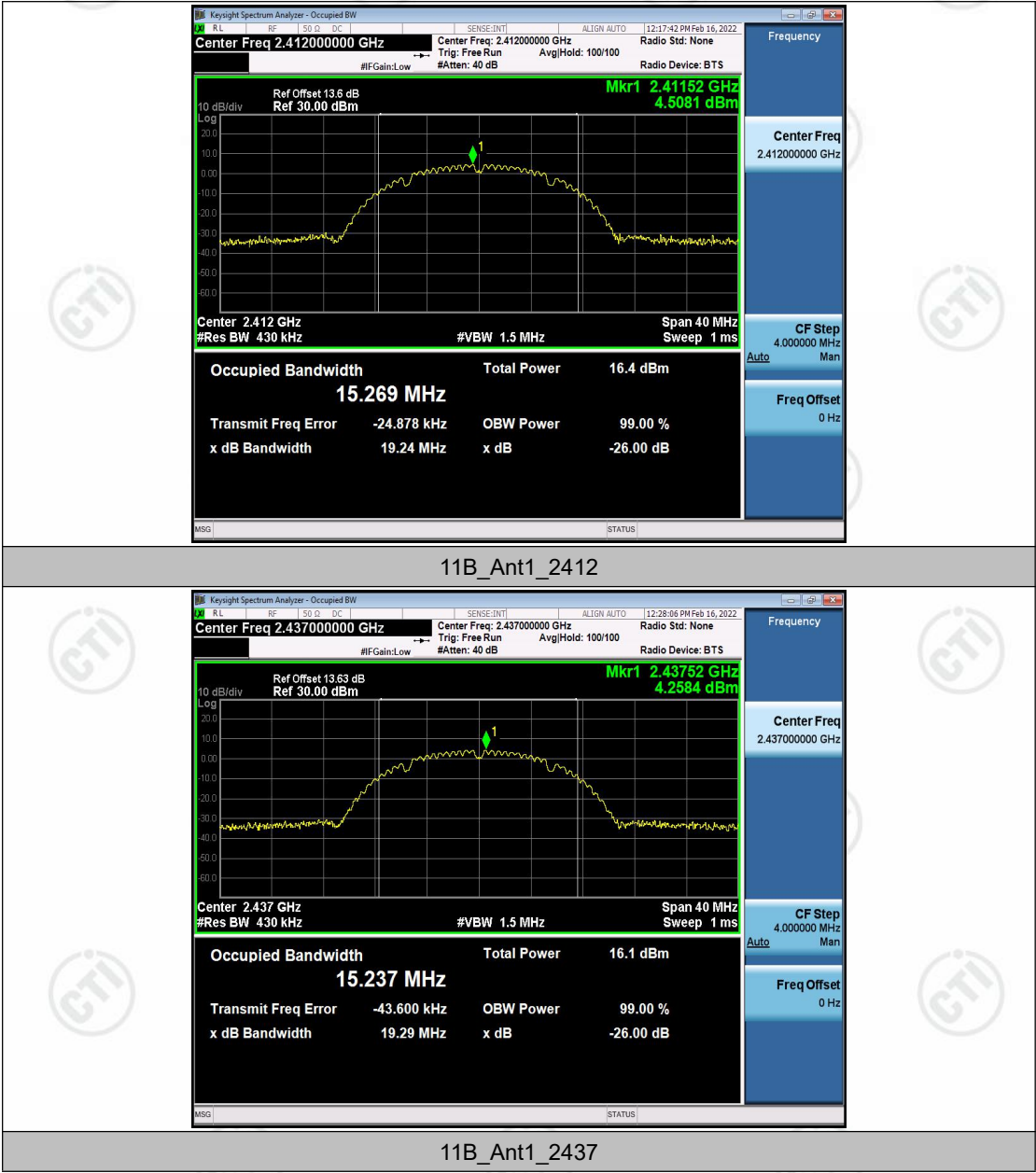


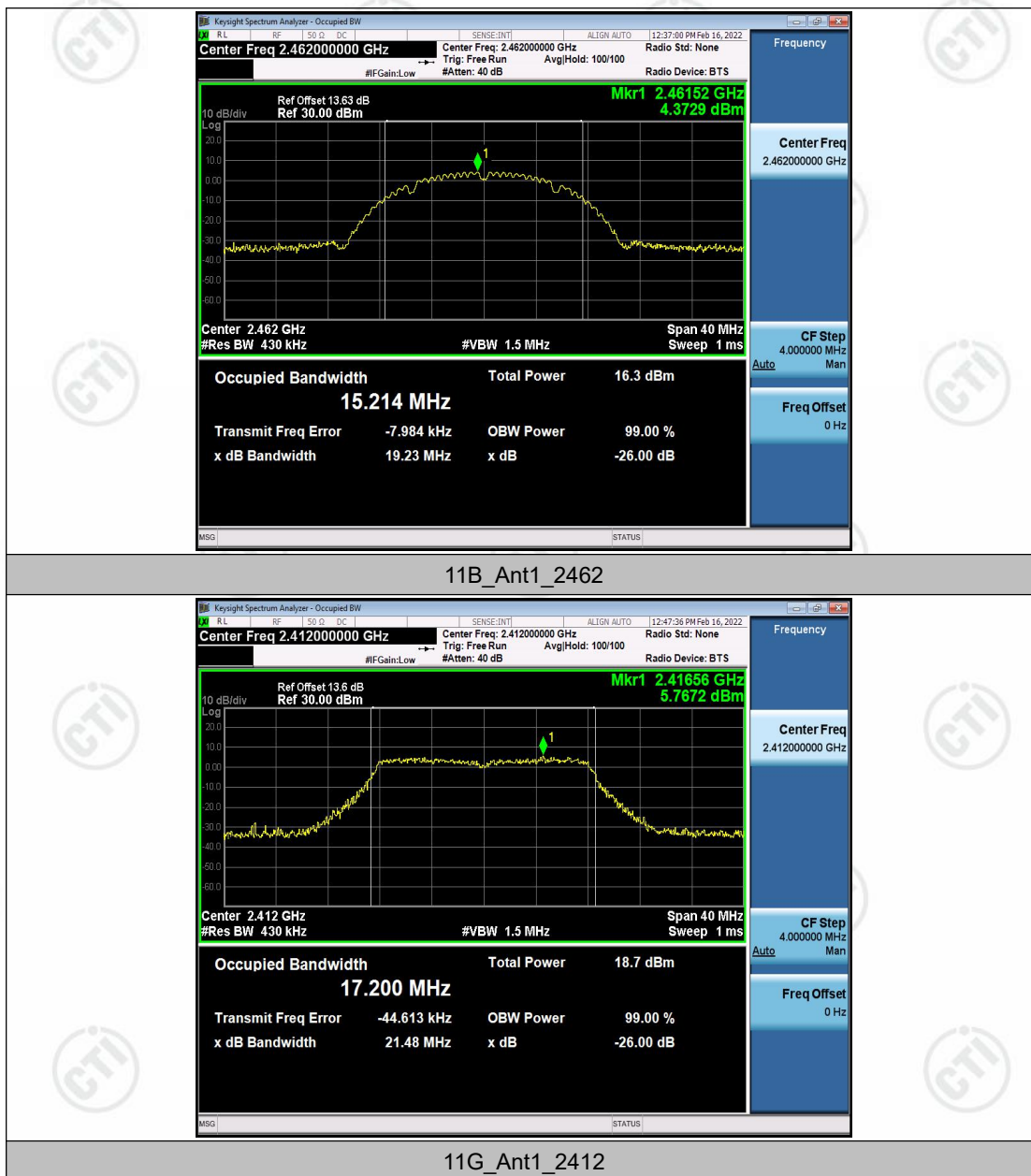
Appendix B: Occupied Channel Bandwidth

Test Result

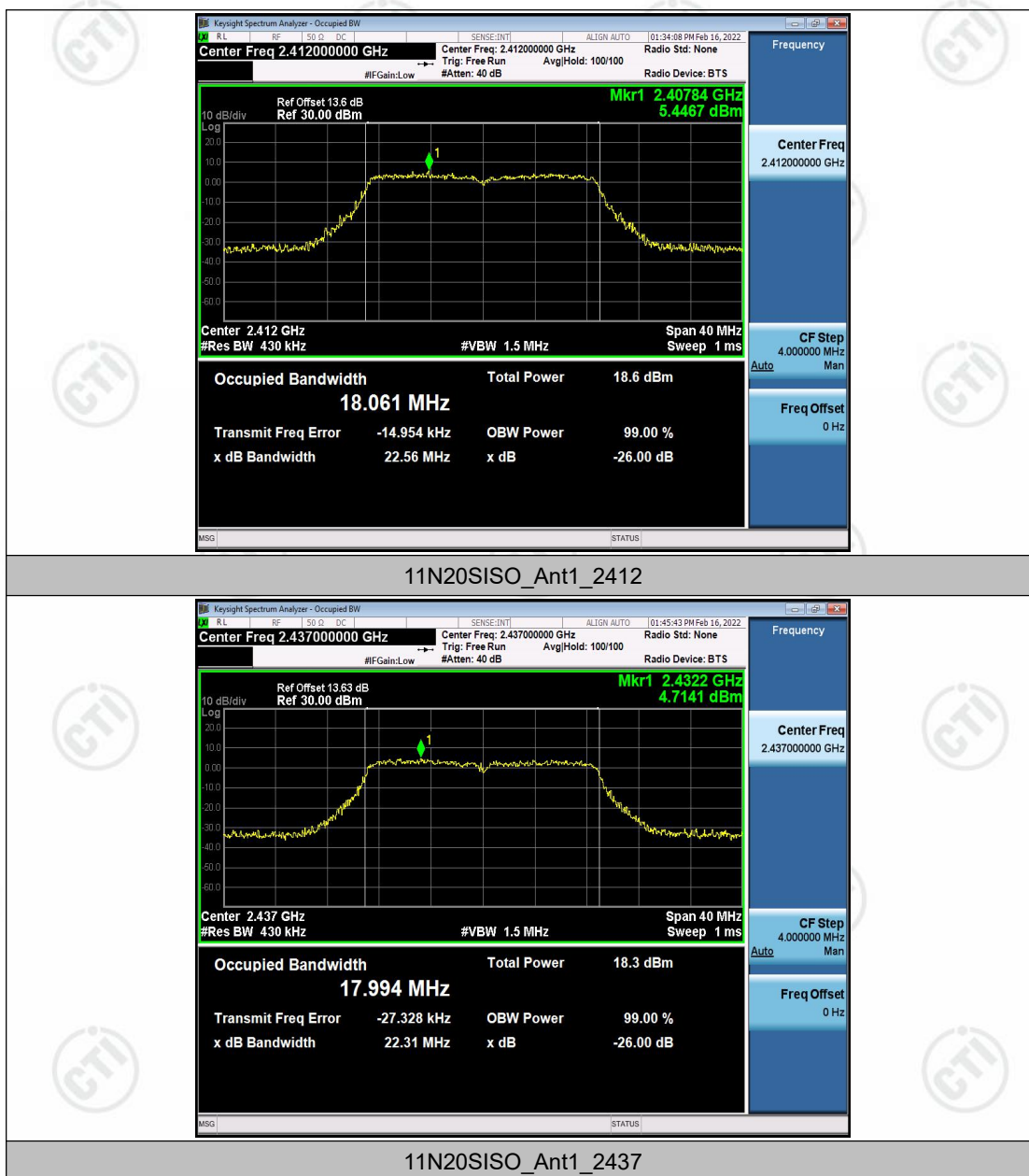
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.269	2404.341	2419.610	---	PASS
		2437	15.237	2429.338	2444.575	---	PASS
		2462	15.214	2454.385	2469.599	---	PASS
11G	Ant1	2412	17.200	2403.355	2420.555	---	PASS
		2437	17.183	2428.393	2445.576	---	PASS
		2462	17.054	2453.458	2470.512	---	PASS
11N20SI SO	Ant1	2412	18.061	2402.955	2421.016	---	PASS
		2437	17.994	2427.976	2445.970	---	PASS
		2462	18.120	2452.950	2471.070	---	PASS

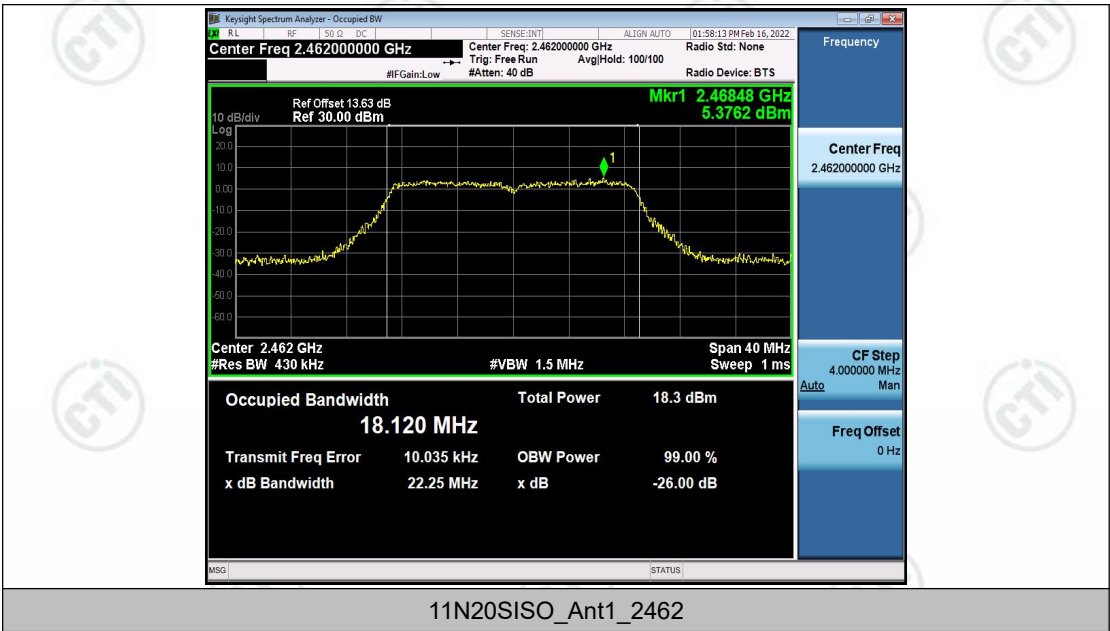
Test Graphs











Appendix C: Maximum conducted output power

Test Result

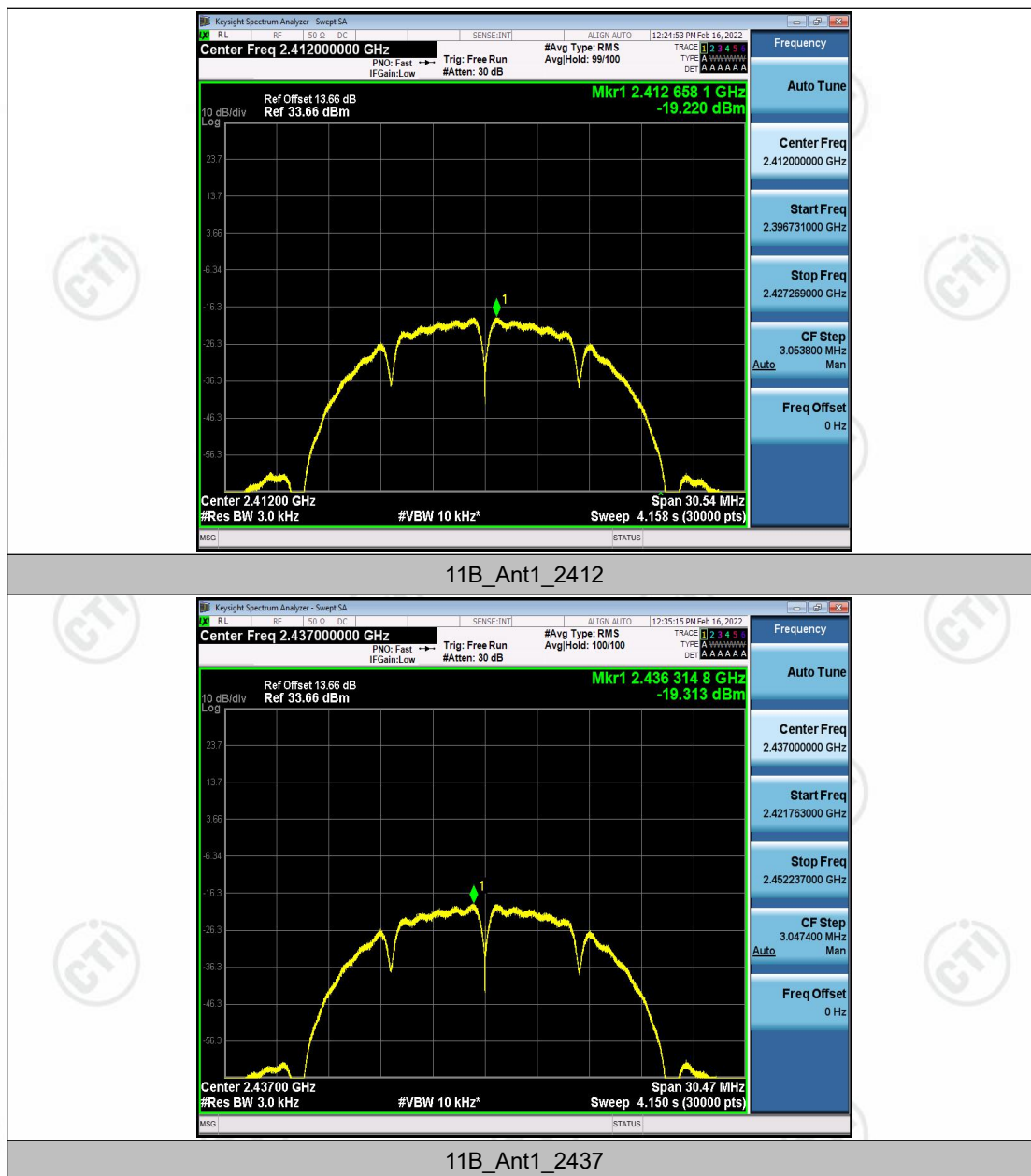
TestMode	Antenna	Channel	Power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.42	<=30	PASS
		2437	13.11	<=30	PASS
		2462	13.23	<=30	PASS
11G	Ant1	2412	12.58	<=30	PASS
		2437	12.45	<=30	PASS
		2462	12.21	<=30	PASS
11N20SISO	Ant1	2412	12.51	<=30	PASS
		2437	12.03	<=30	PASS
		2462	12.43	<=30	PASS

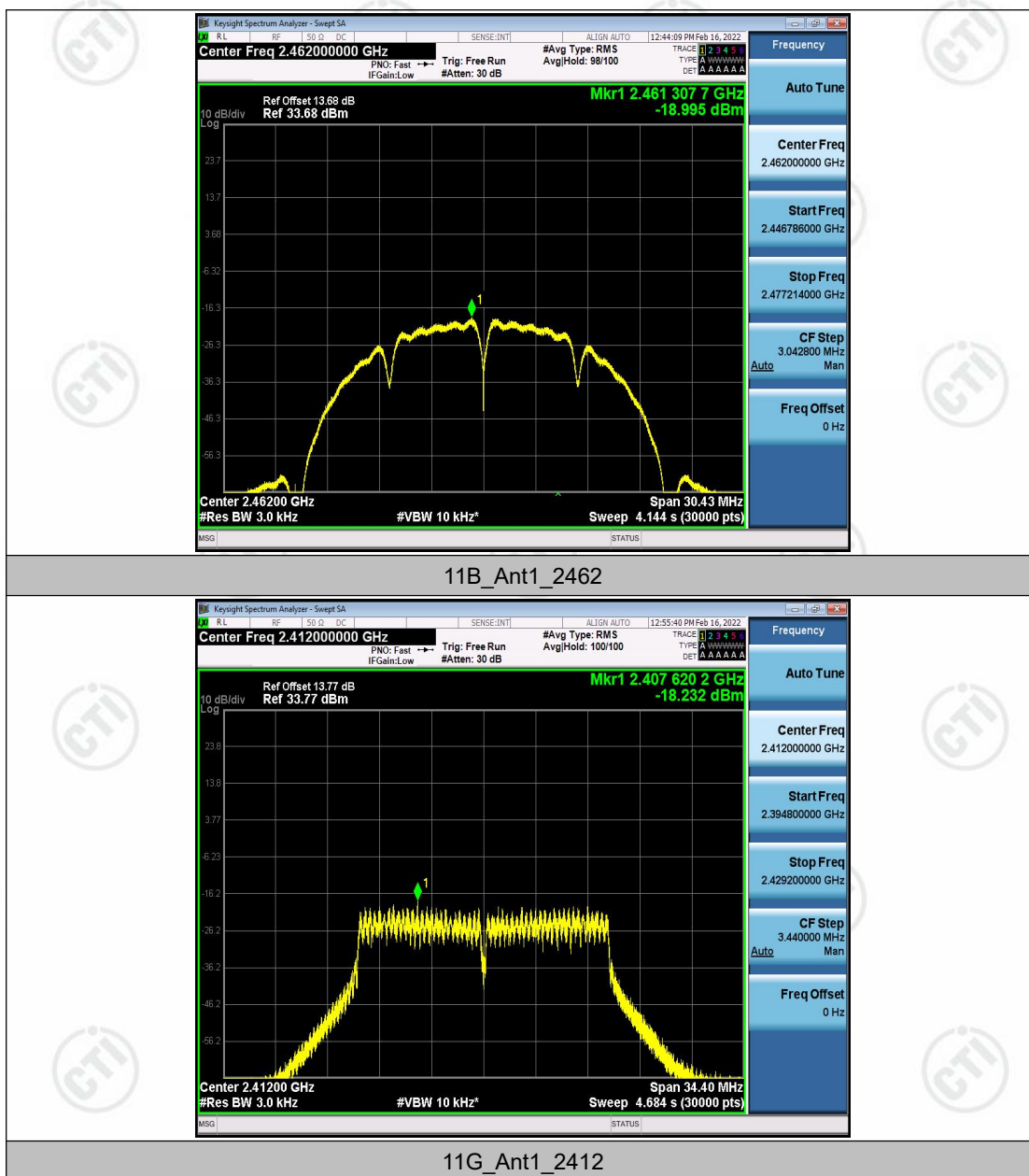
Appendix D: Maximum power spectral density

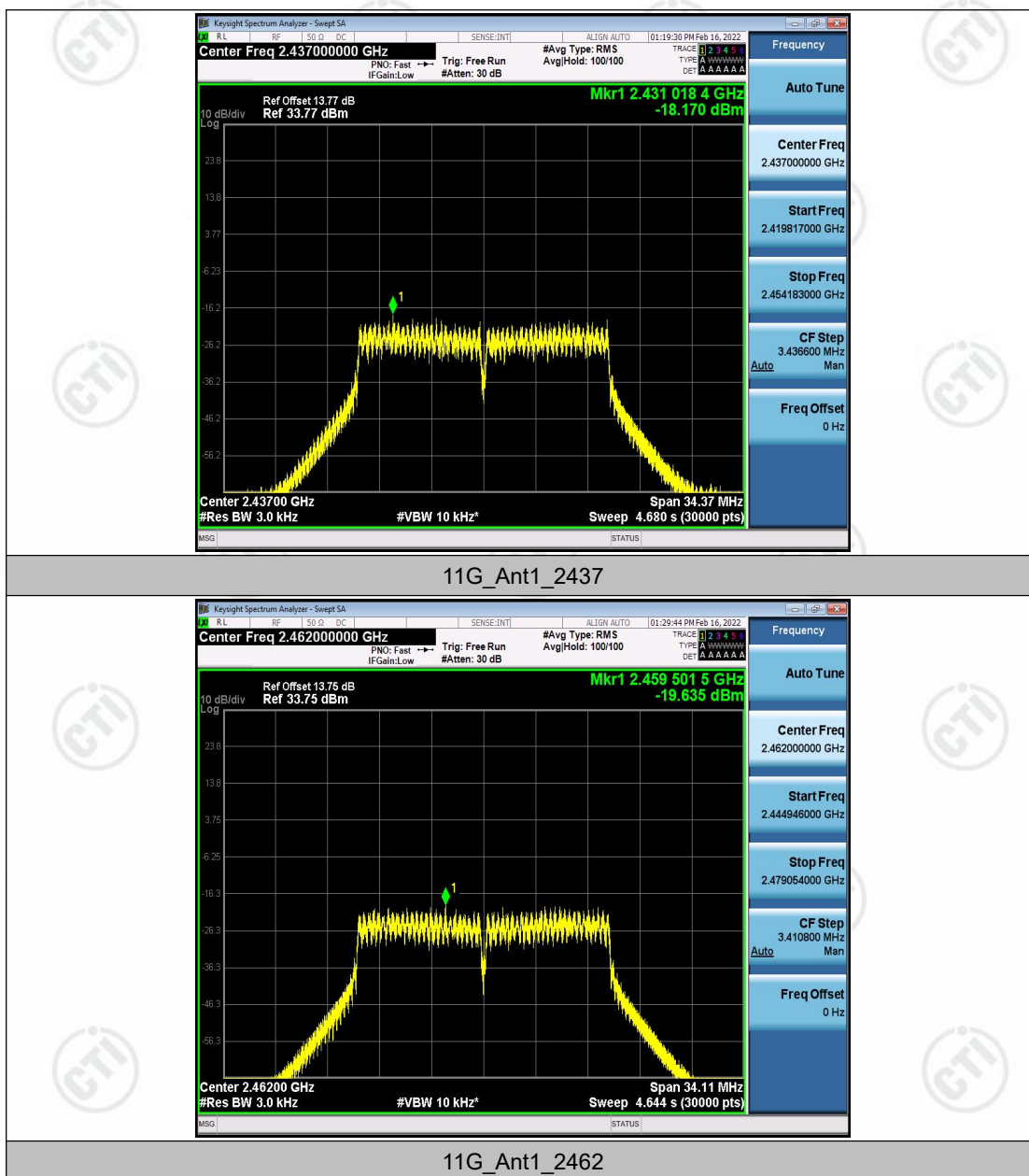
Test Result

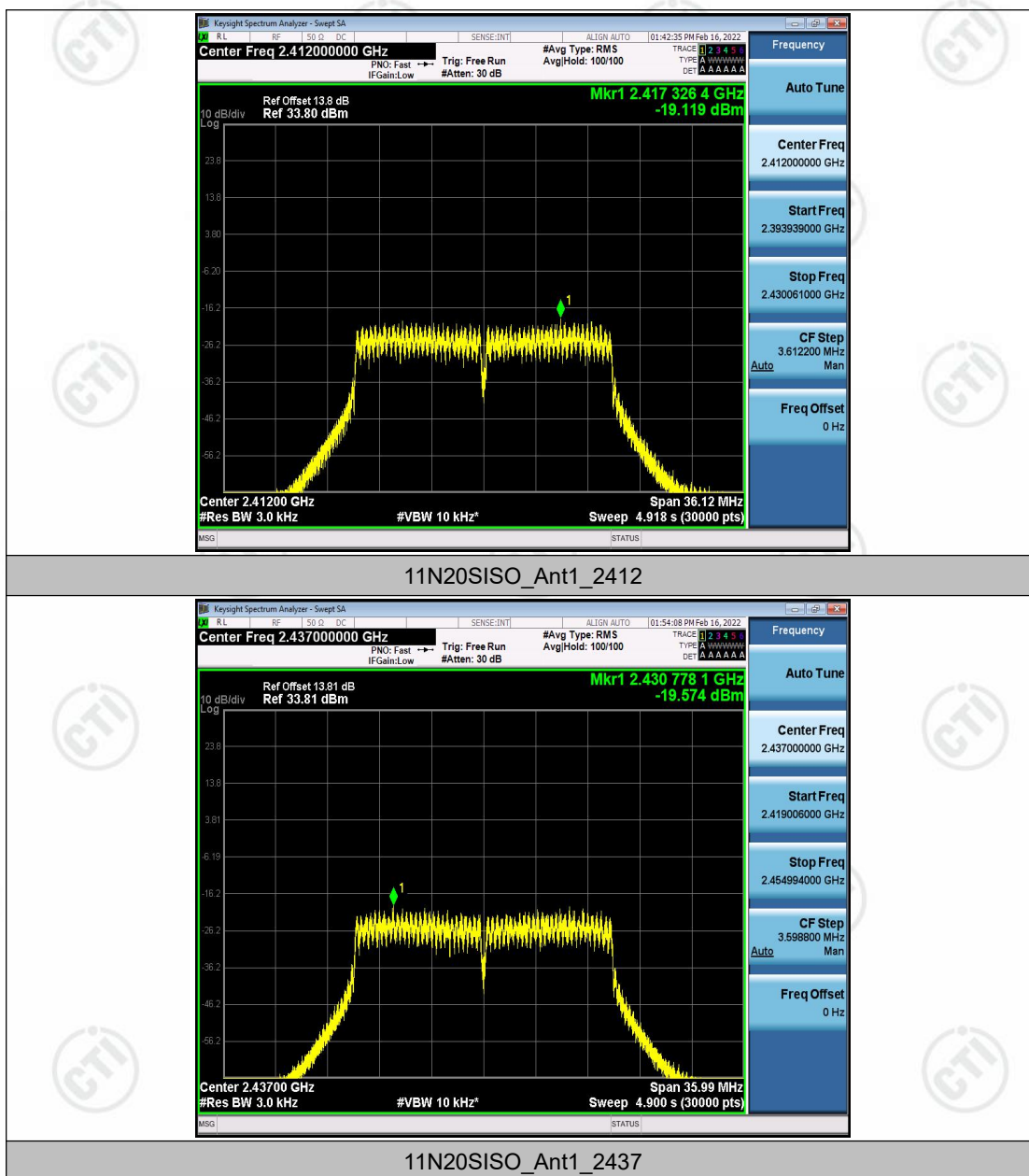
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-19.22	<=8	PASS
		2437	-19.31	<=8	PASS
		2462	-18.97	<=8	PASS
11G	Ant1	2412	-18.23	<=8	PASS
		2437	-18.17	<=8	PASS
		2462	-19.64	<=8	PASS
11N20SISO	Ant1	2412	-19.12	<=8	PASS
		2437	-19.57	<=8	PASS
		2462	-19.42	<=8	PASS

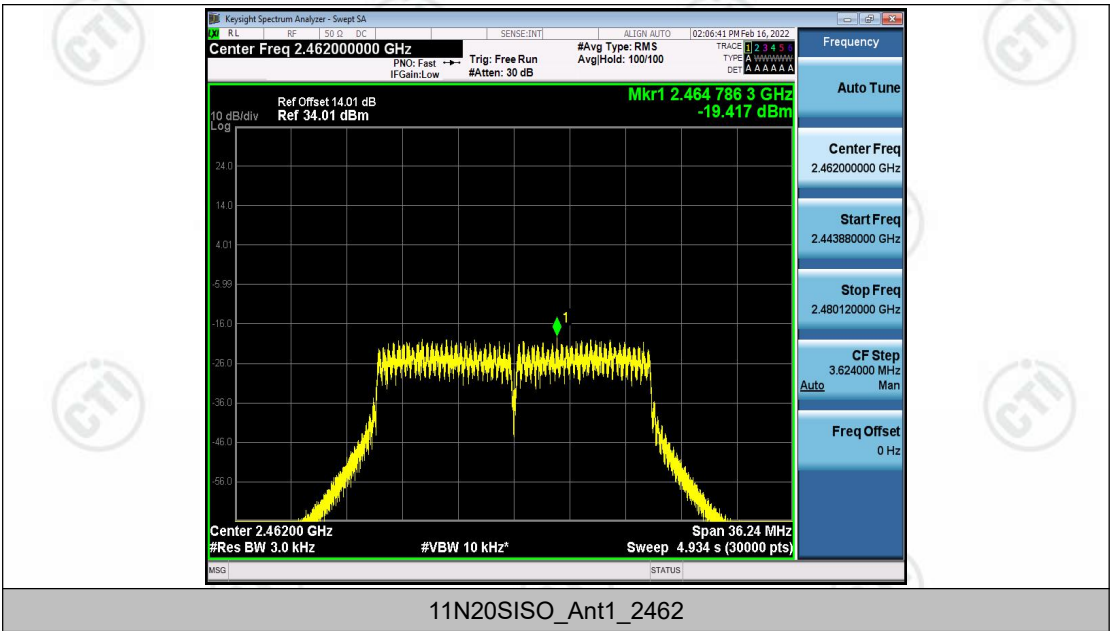
Test Graphs









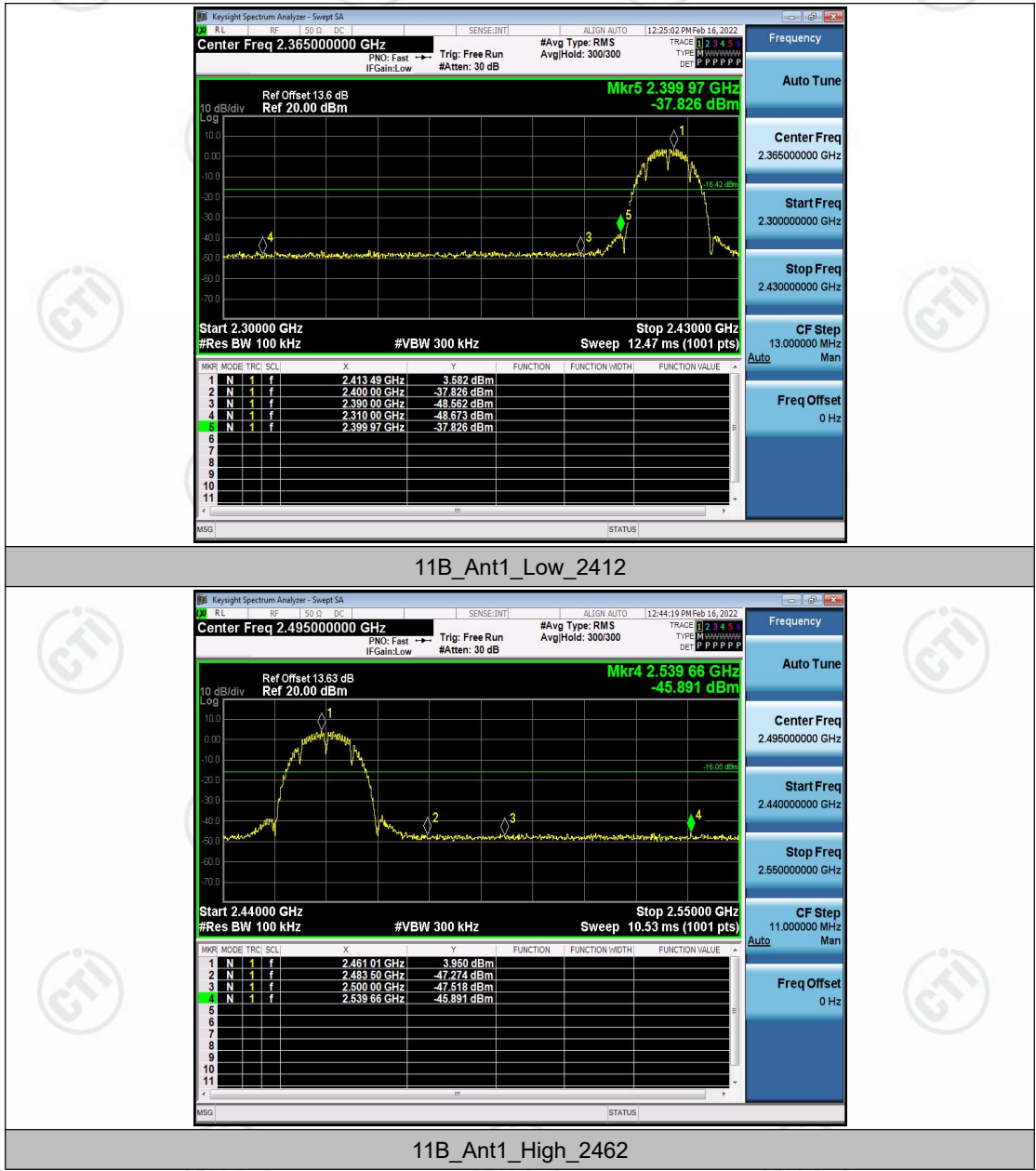


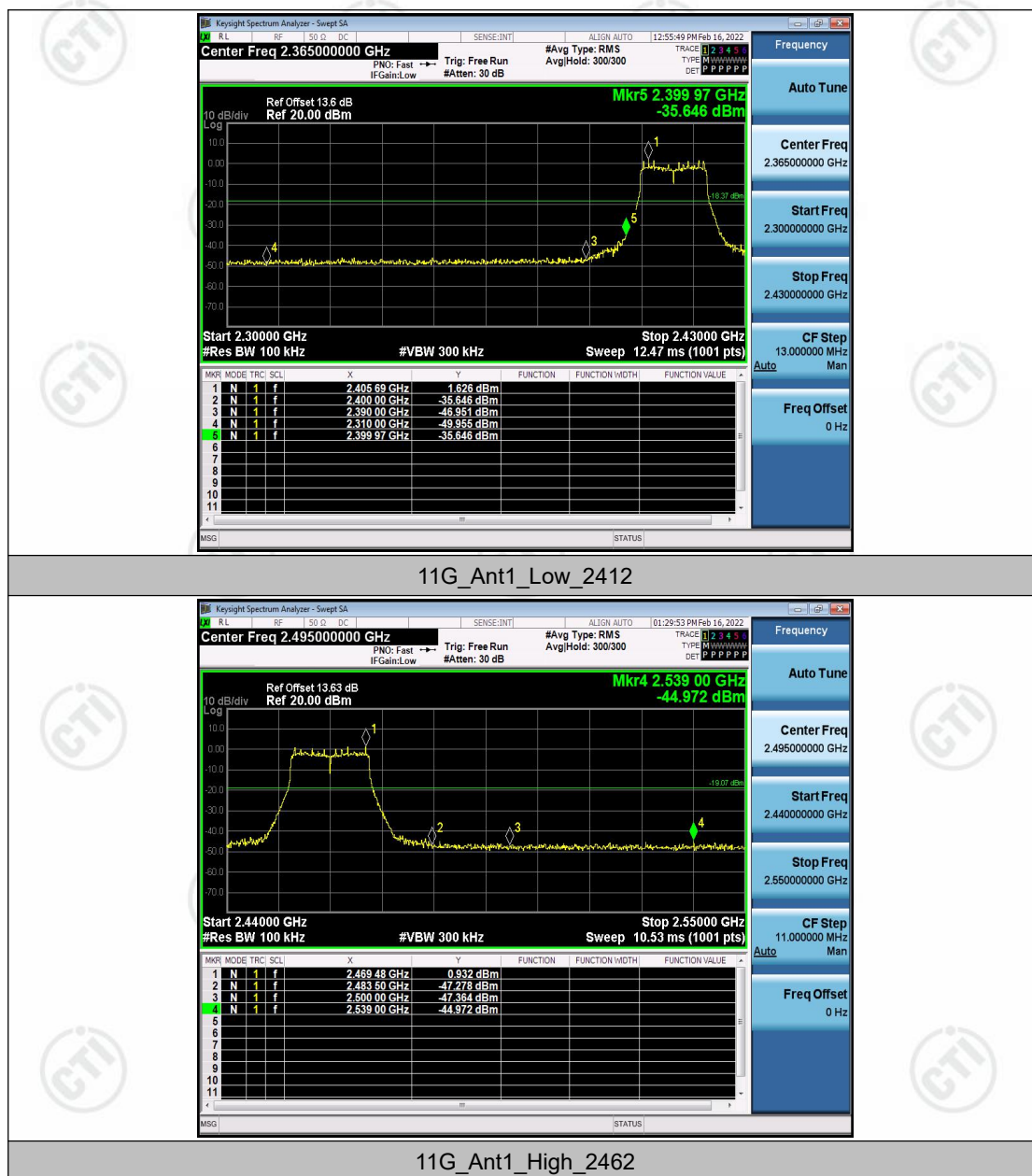
Appendix E: Band edge measurements

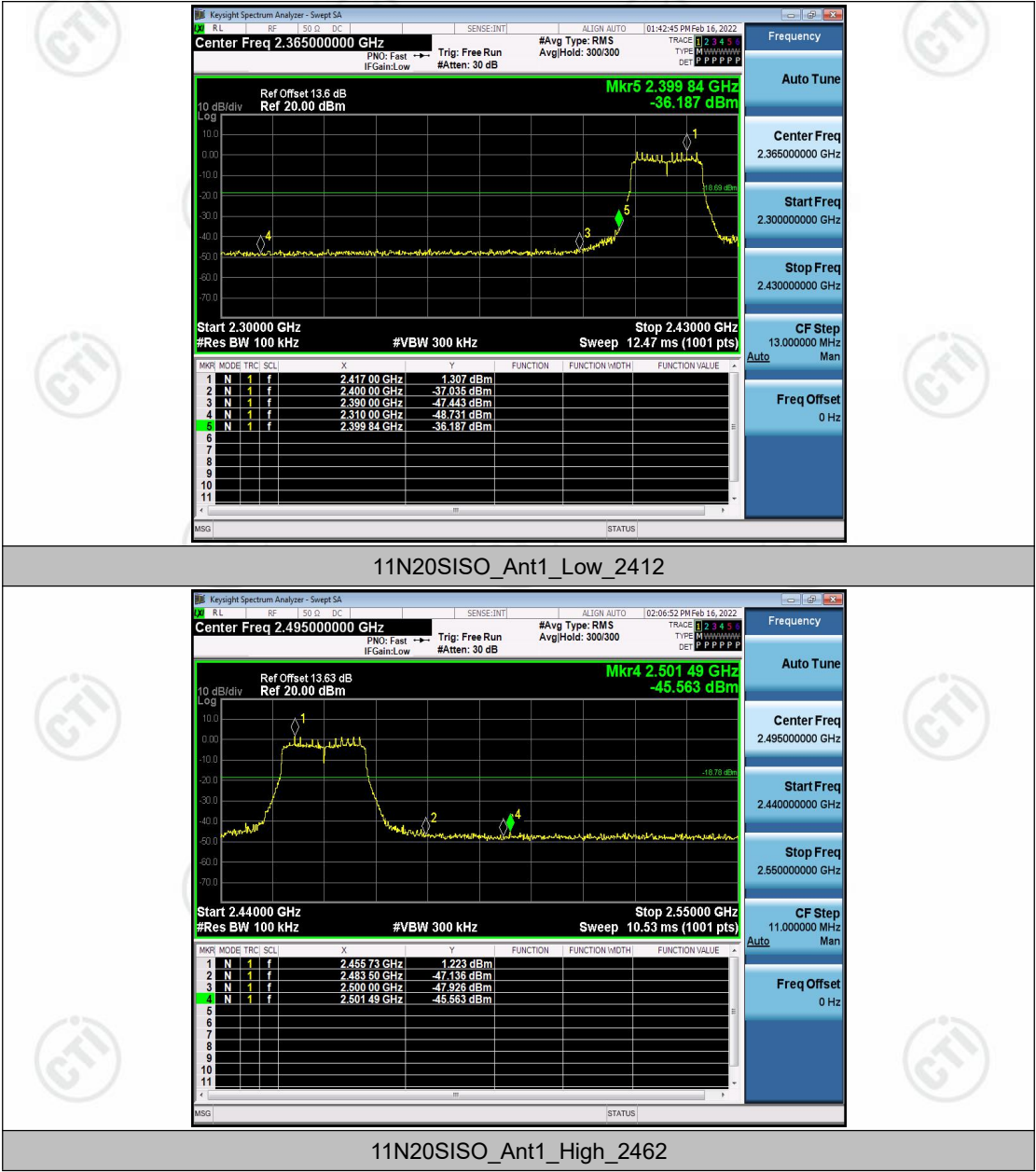
Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.58	-37.83	<=-16.42	PASS
		High	2462	3.95	-45.89	<=-16.05	PASS
11G	Ant1	Low	2412	1.63	-35.65	<=-18.37	PASS
		High	2462	0.93	-44.97	<=-19.07	PASS
11N20SI SO	Ant1	Low	2412	1.31	-36.19	<=-18.69	PASS
		High	2462	1.22	-45.56	<=-18.78	PASS

Test Graphs







Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.85	---	PASS
			30~1000	-58.152	<=-16.152	PASS
			1000~26500	-46.979	<=-16.152	PASS
		2437	Reference	3.79	---	PASS
			30~1000	-57.659	<=-16.211	PASS
			1000~26500	-50.181	<=-16.211	PASS
		2462	Reference	3.81	---	PASS
			30~1000	-56.321	<=-16.187	PASS
			1000~26500	-49.171	<=-16.187	PASS
11G	Ant1	2412	Reference	0.95	---	PASS
			30~1000	-58.205	<=-19.051	PASS
			1000~26500	-49.313	<=-19.051	PASS
		2437	Reference	5.77	---	PASS
			30~1000	-57.615	<=-14.228	PASS
			1000~26500	-49.365	<=-14.228	PASS
		2462	Reference	1.18	---	PASS
			30~1000	-58.398	<=-18.821	PASS
			1000~26500	-41.639	<=-18.821	PASS
11N20SI SO	Ant1	2412	Reference	1.22	---	PASS
			30~1000	-57.487	<=-18.776	PASS
			1000~26500	-49.443	<=-18.776	PASS
		2437	Reference	0.77	---	PASS
			30~1000	-57.552	<=-19.235	PASS
			1000~26500	-49.458	<=-19.235	PASS
		2462	Reference	5.87	---	PASS
			30~1000	-57.363	<=-14.13	PASS
			1000~26500	-48.992	<=-14.13	PASS