

Appendix: 2.4G WIFI

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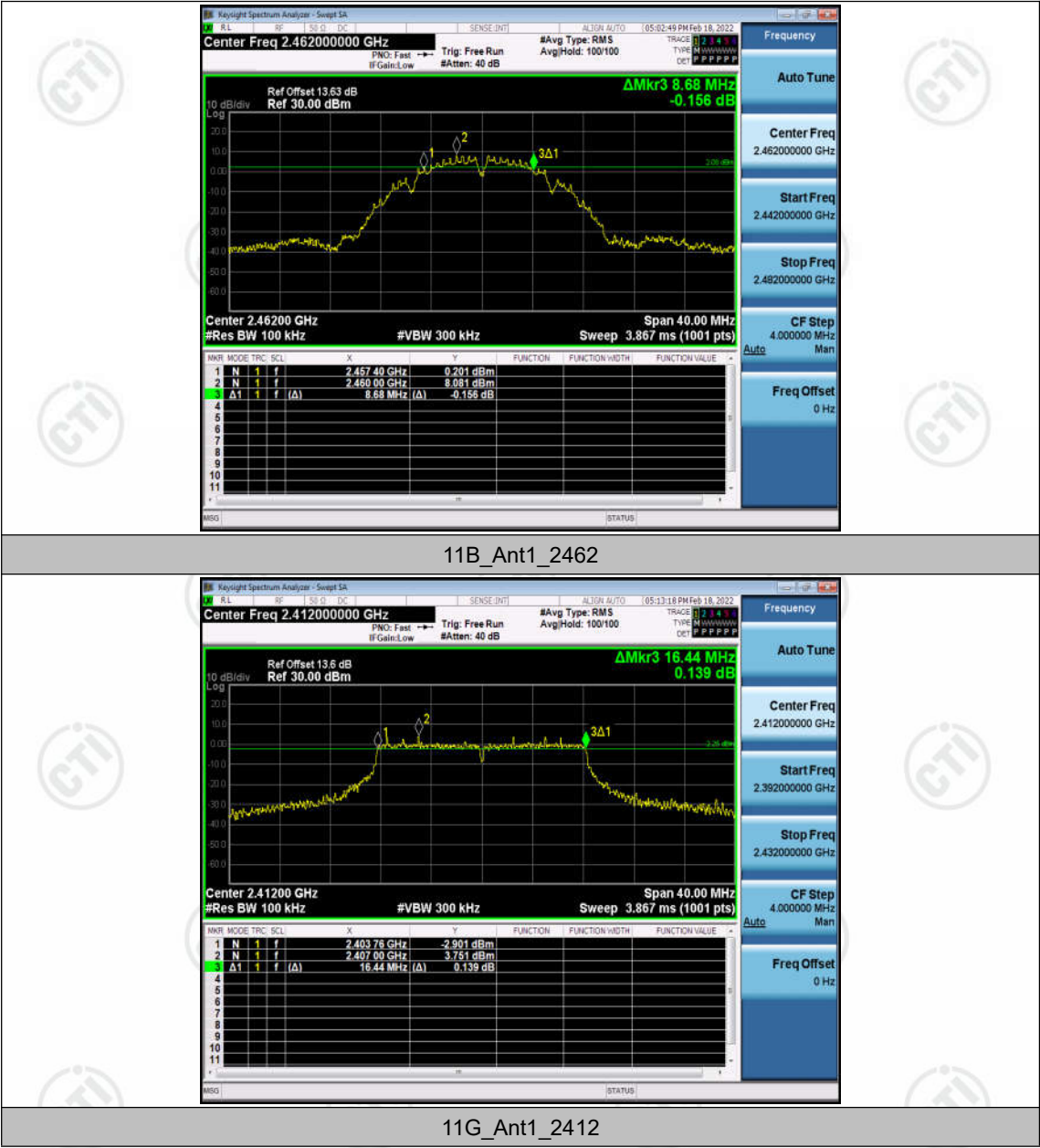
Appendix A: DTS Bandwidth

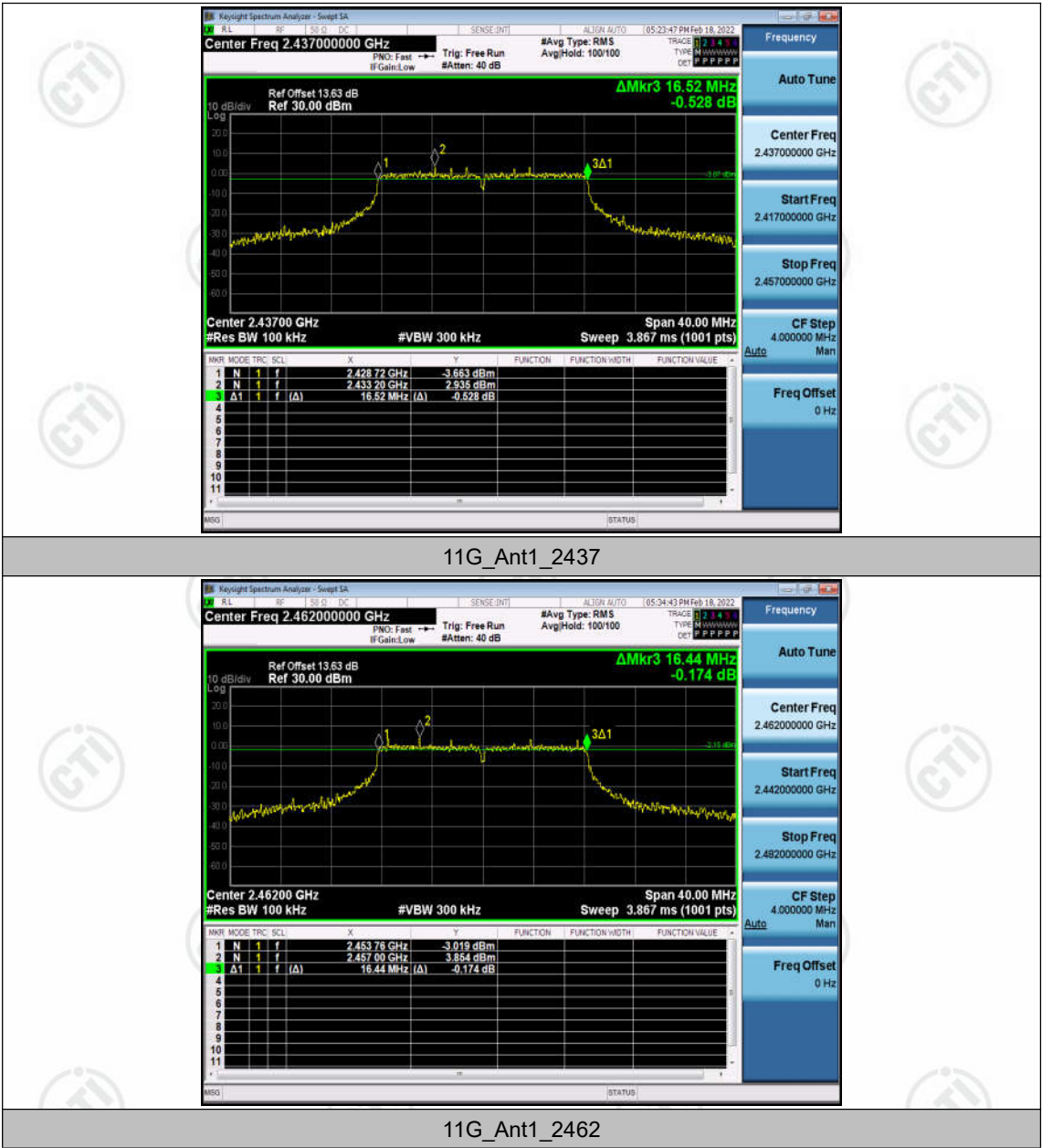
Test Result

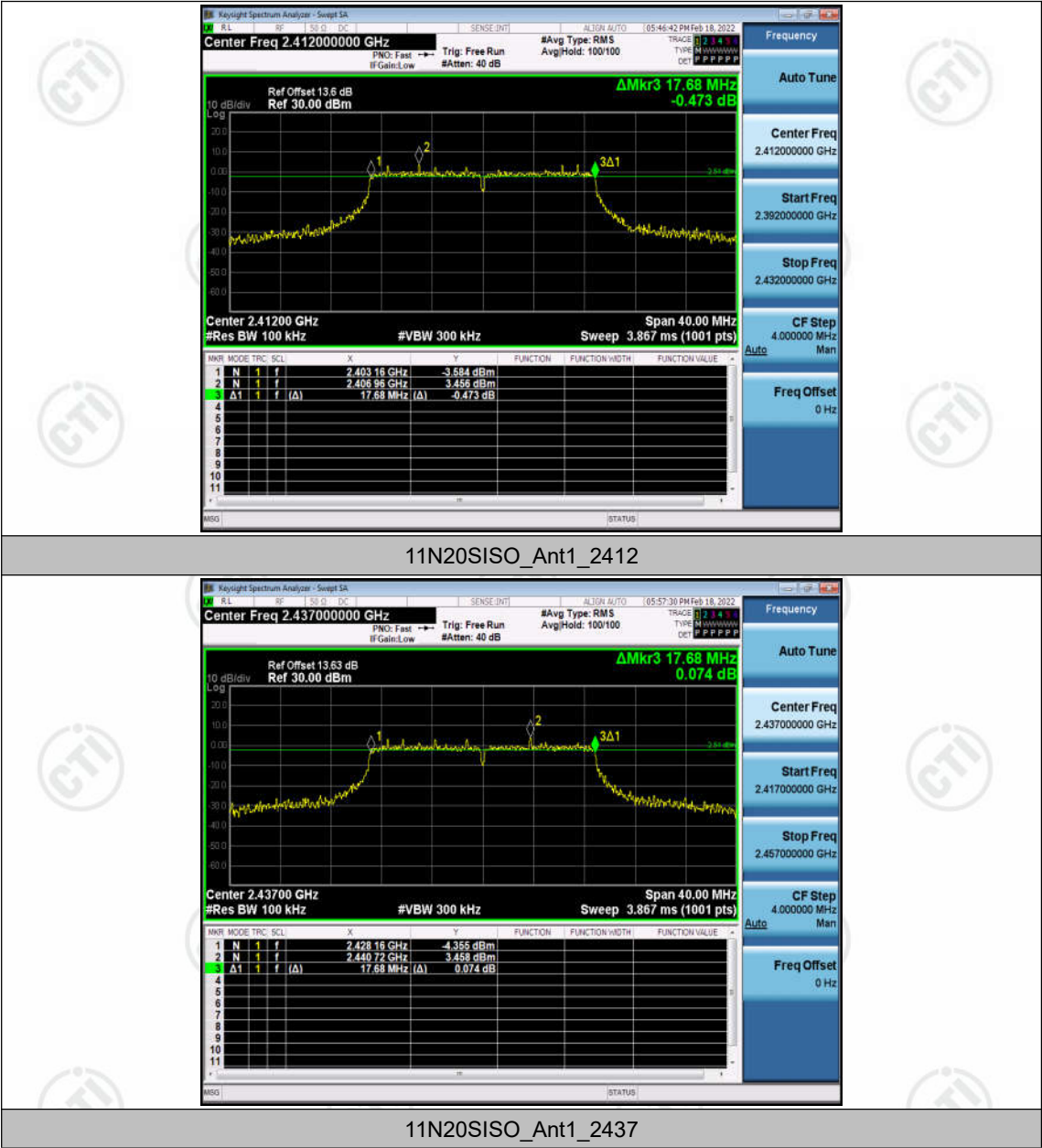
Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.600	2407.920	2416.520	0.5	PASS
		2437	8.120	2432.920	2441.040	0.5	PASS
		2462	8.680	2457.400	2466.080	0.5	PASS
11G	Ant1	2412	16.440	2403.760	2420.200	0.5	PASS
		2437	16.520	2428.720	2445.240	0.5	PASS
		2462	16.440	2453.760	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.680	2403.160	2420.840	0.5	PASS
		2437	17.680	2428.160	2445.840	0.5	PASS
		2462	17.360	2453.160	2470.520	0.5	PASS

Test Graphs









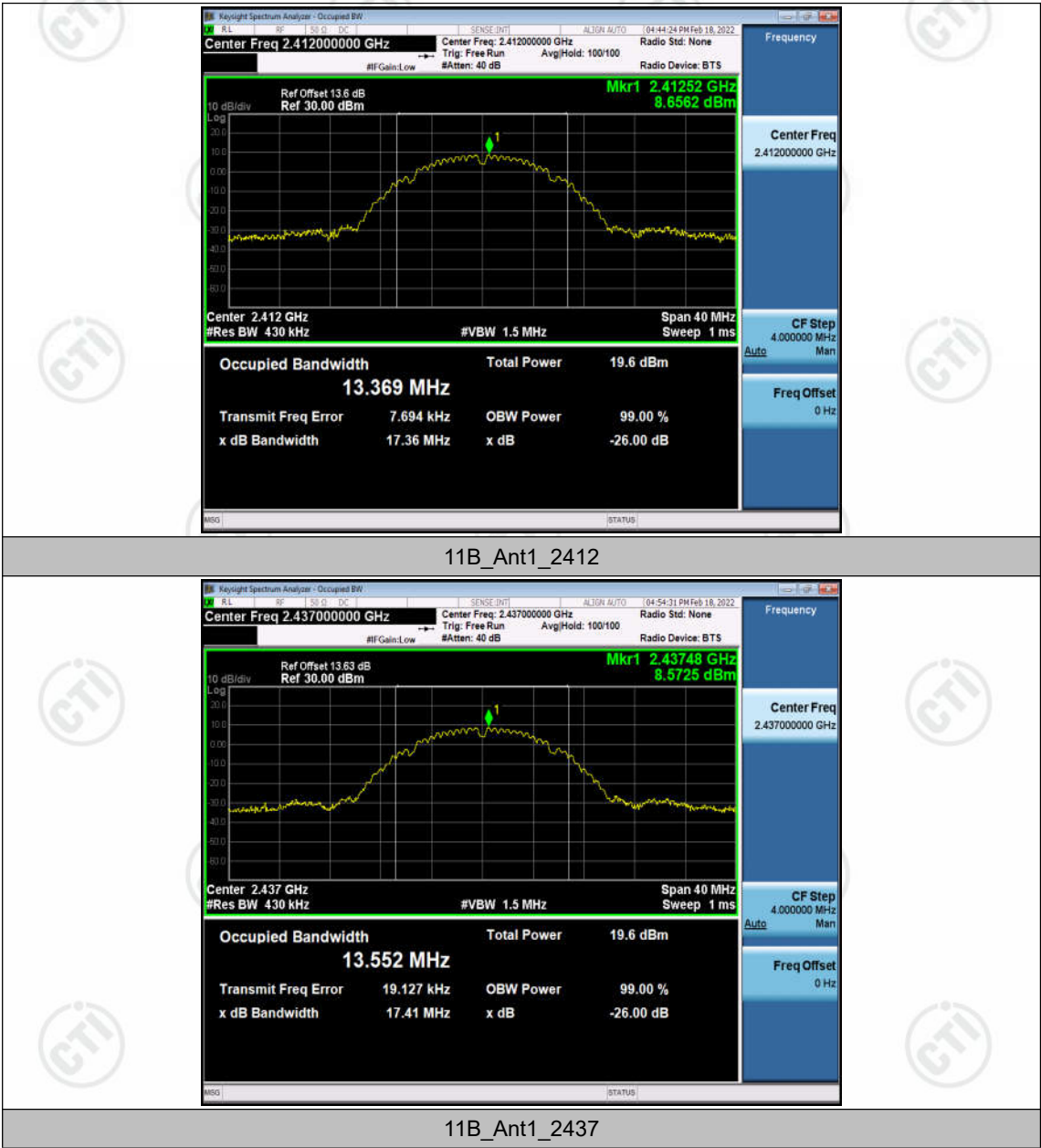


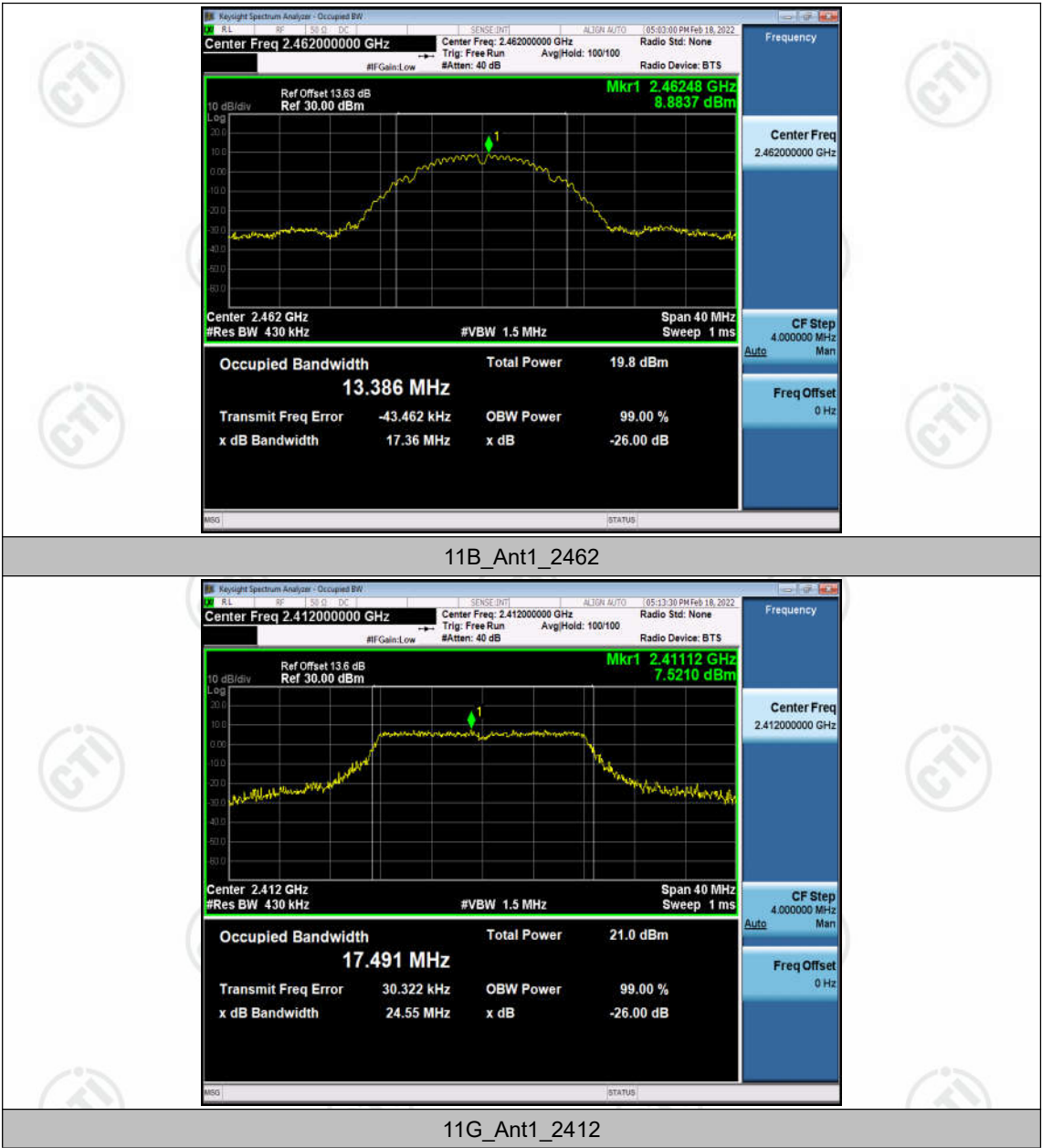
Appendix B: Occupied Channel Bandwidth

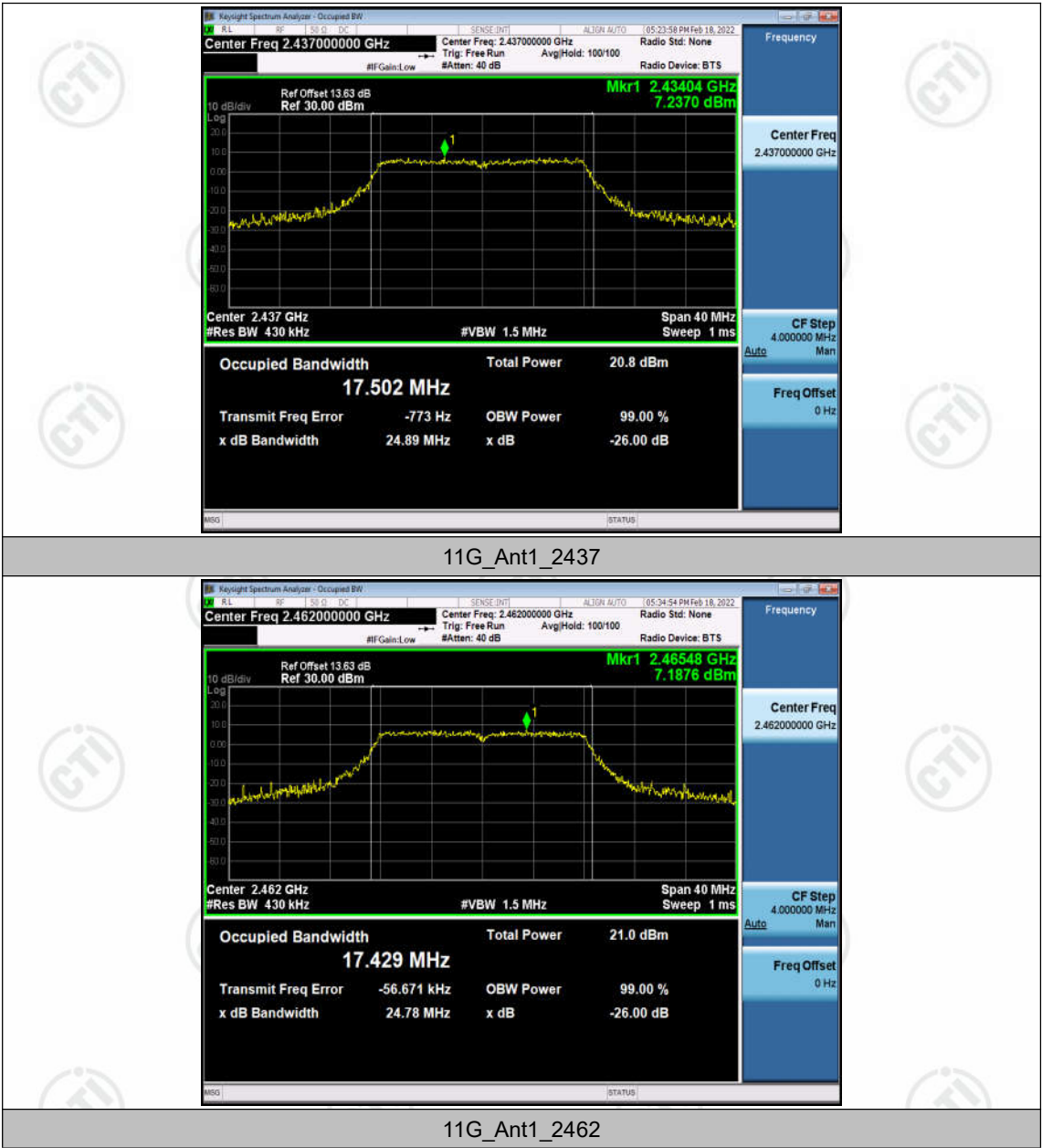
Test Result

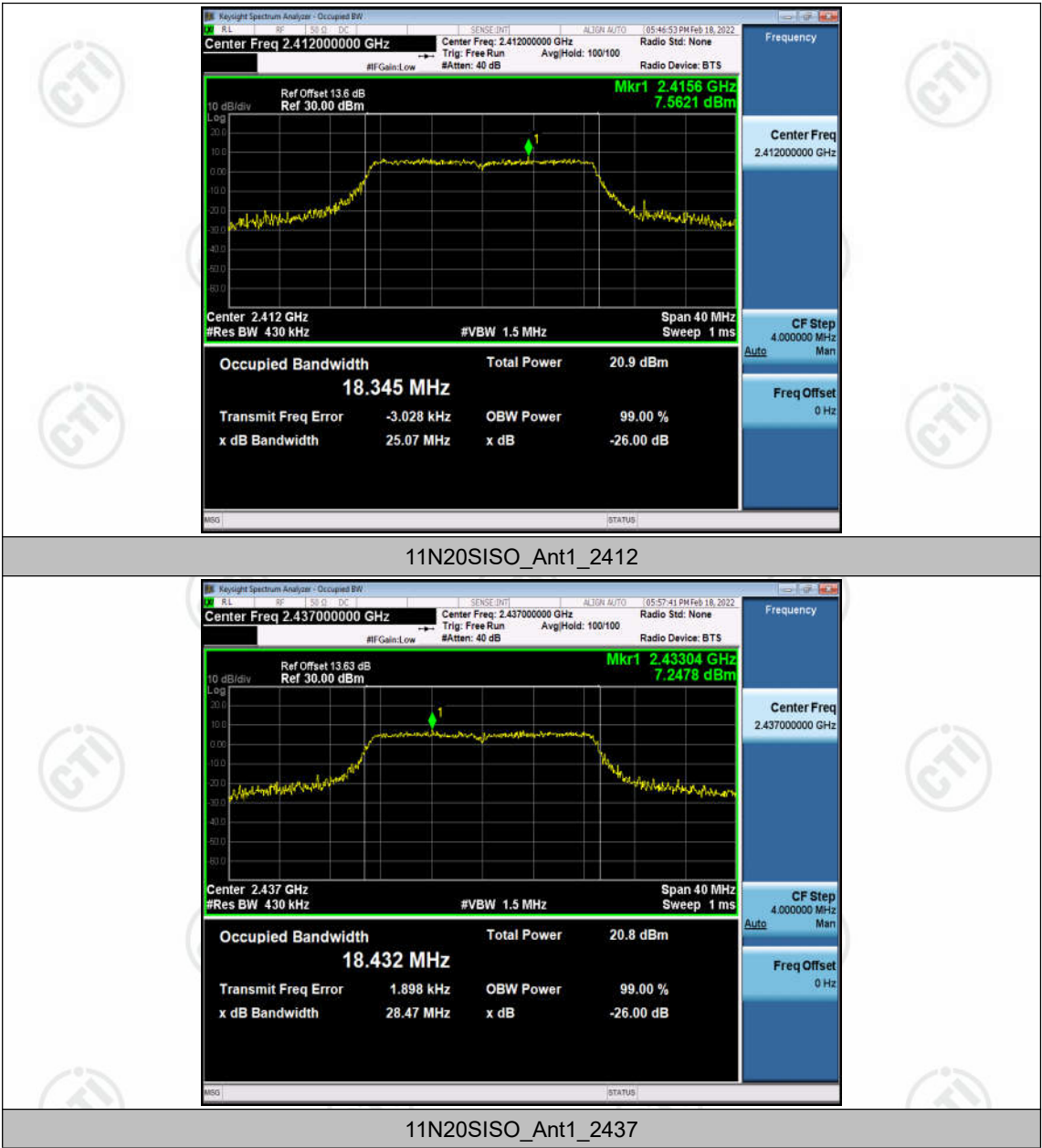
Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.369	2405.323	2418.692	---	PASS
		2437	13.552	2430.243	2443.795	---	PASS
		2462	13.386	2455.264	2468.650	---	PASS
11G	Ant1	2412	17.491	2403.285	2420.776	---	PASS
		2437	17.502	2428.248	2445.750	---	PASS
		2462	17.429	2453.229	2470.658	---	PASS
11N20SIS O	Ant1	2412	18.345	2402.824	2421.169	---	PASS
		2437	18.432	2427.786	2446.218	---	PASS
		2462	18.388	2452.776	2471.164	---	PASS

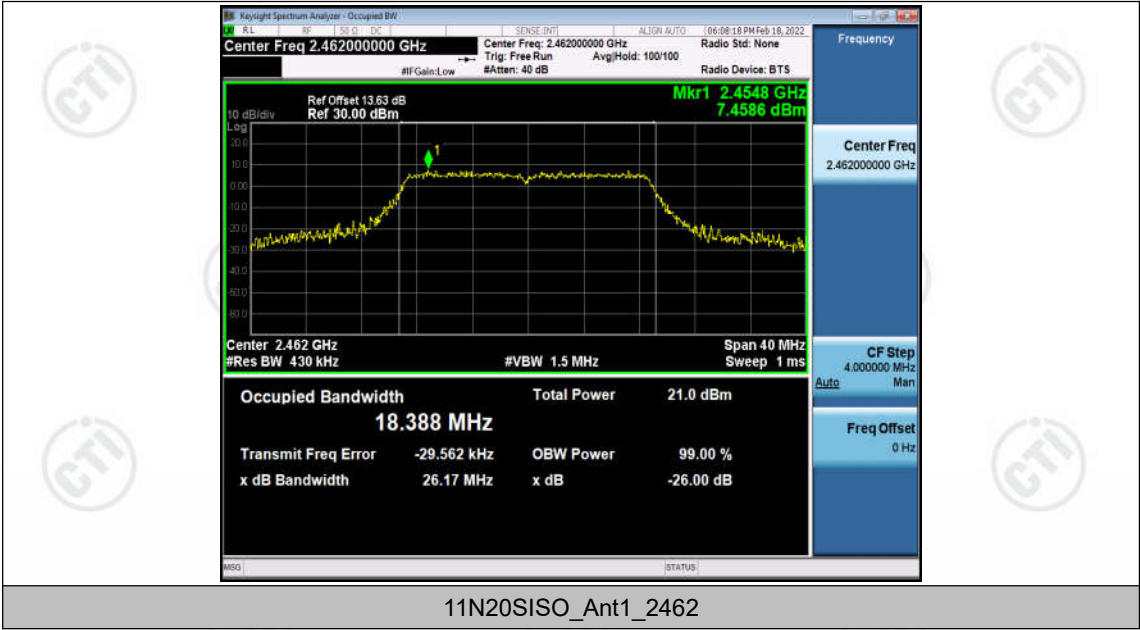
Test Graphs











Appendix C: Maximum conducted output power

Test Result

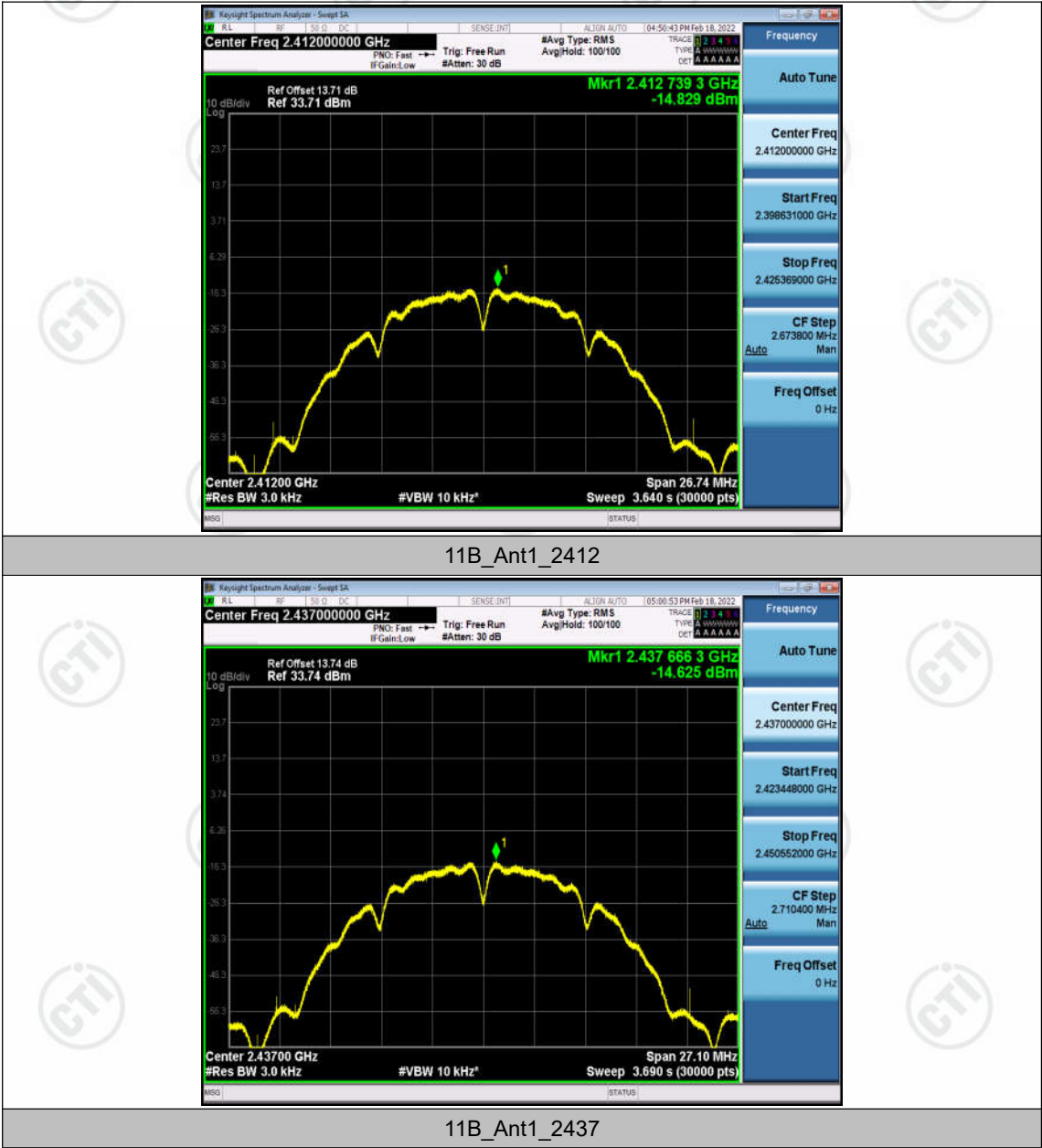
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.66	<=30	PASS
		2437	16.69	<=30	PASS
		2462	16.80	<=30	PASS
11G	Ant1	2412	14.87	<=30	PASS
		2437	14.62	<=30	PASS
		2462	14.94	<=30	PASS
11N20SISO	Ant1	2412	14.90	<=30	PASS
		2437	14.72	<=30	PASS
		2462	14.95	<=30	PASS

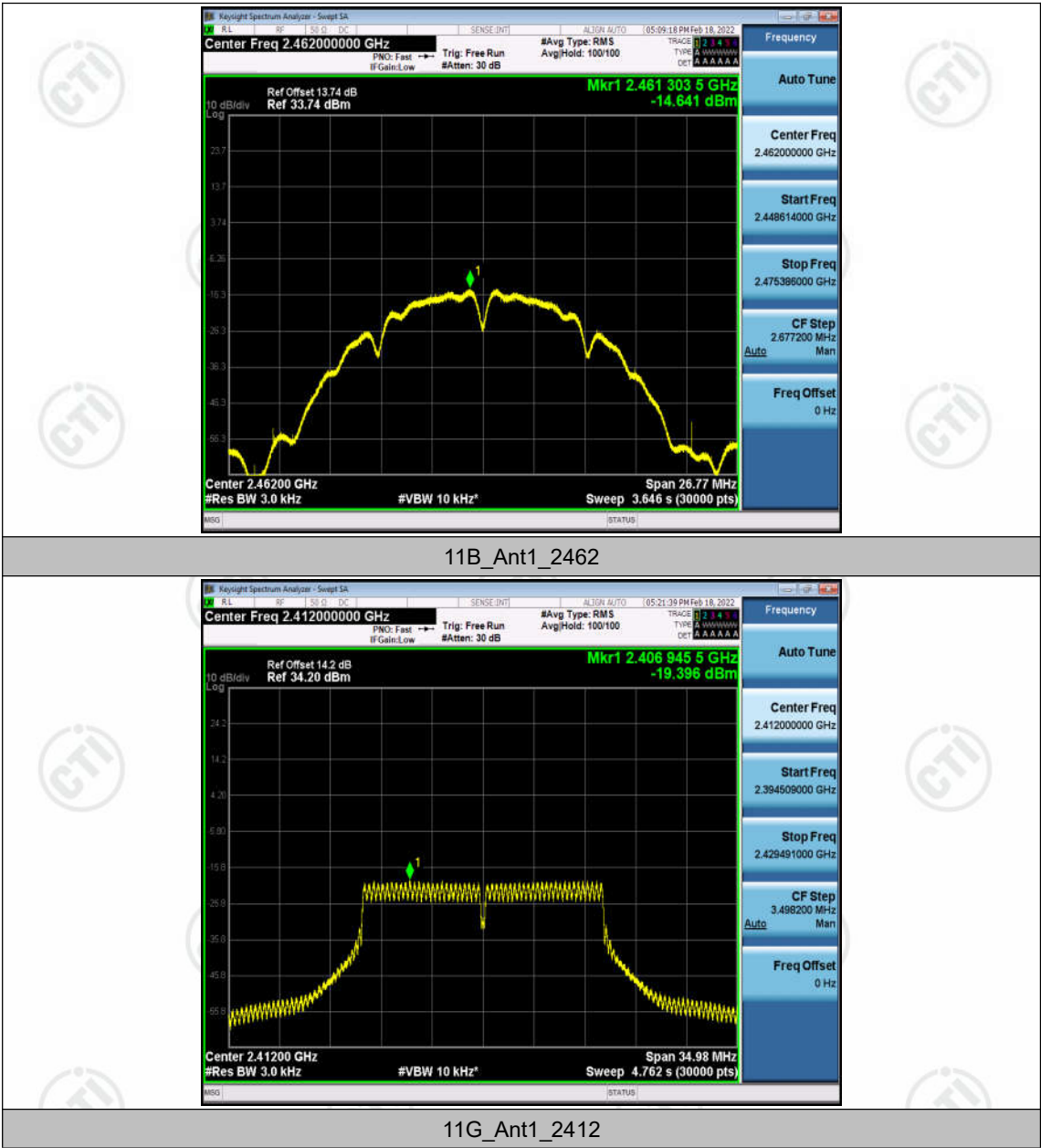
Appendix D: Maximum power spectral density

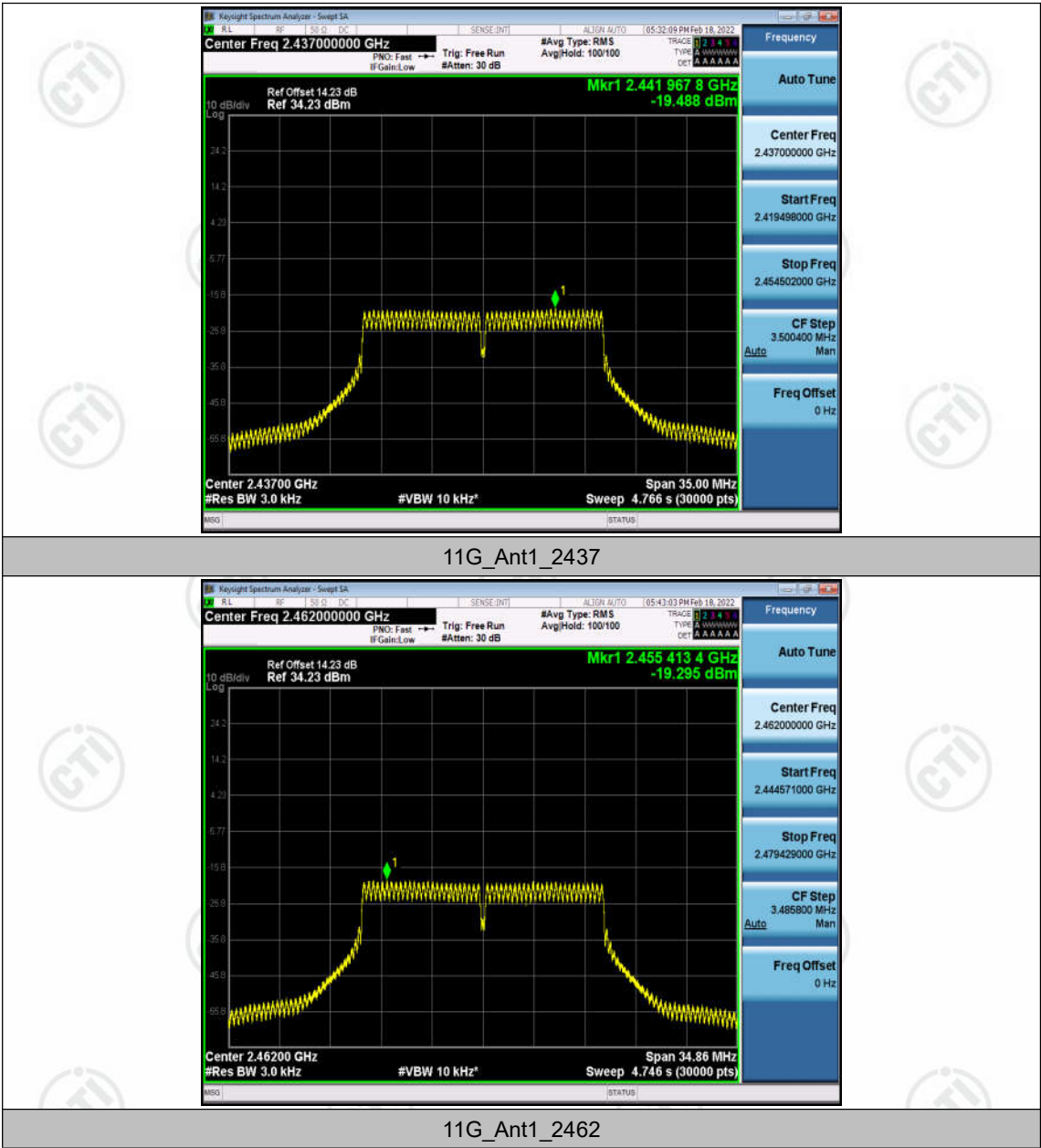
Test Result

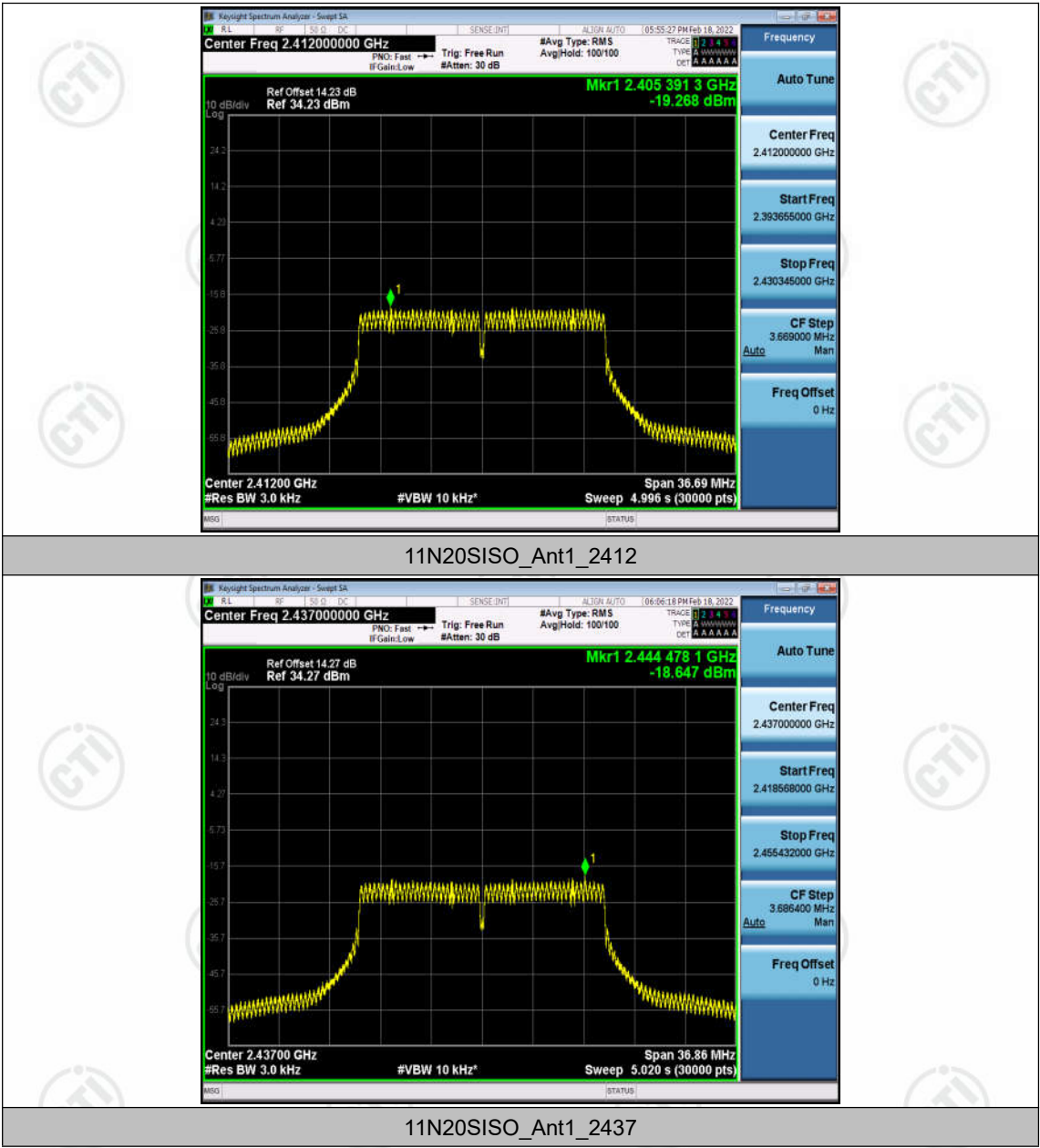
Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-14.83	<=8	PASS
		2437	-14.63	<=8	PASS
		2462	-14.64	<=8	PASS
11G	Ant1	2412	-19.4	<=8	PASS
		2437	-19.49	<=8	PASS
		2462	-19.30	<=8	PASS
11N20SISO	Ant1	2412	-19.27	<=8	PASS
		2437	-18.65	<=8	PASS
		2462	-19.08	<=8	PASS

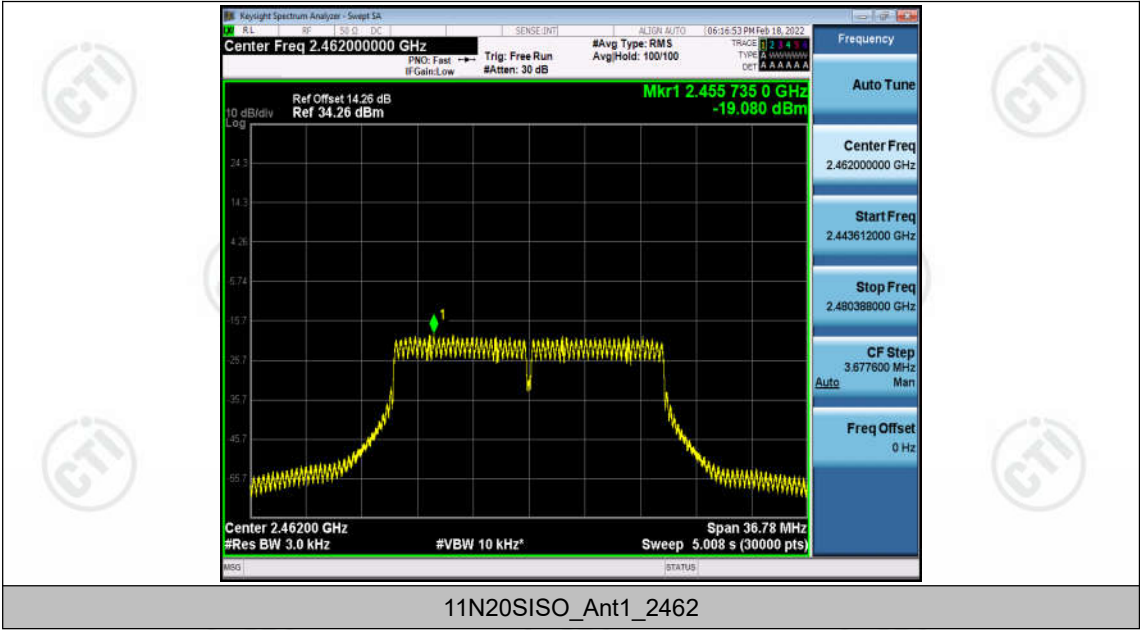
Test Graphs









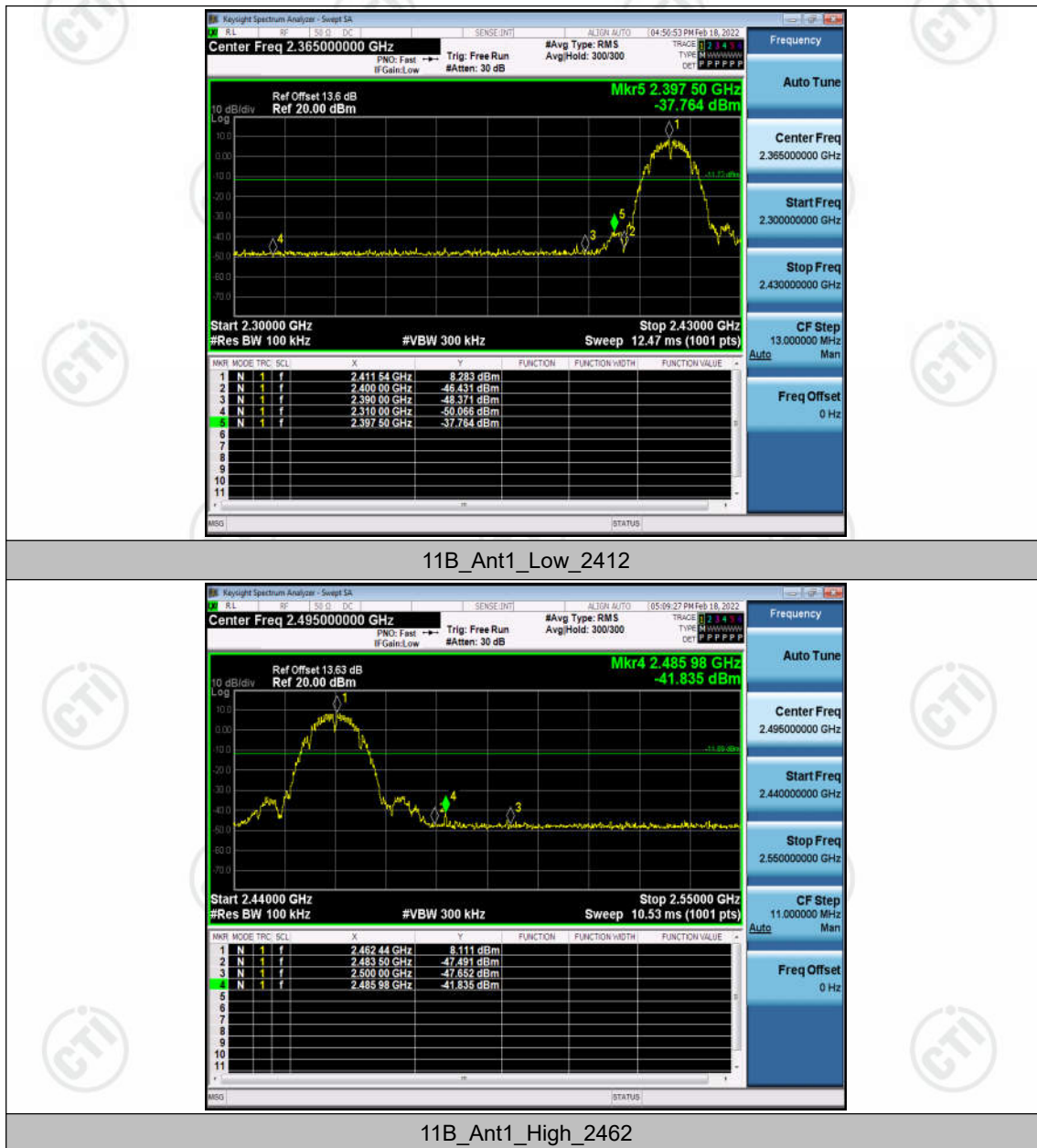


Appendix E:Band edge measurements

Test Result

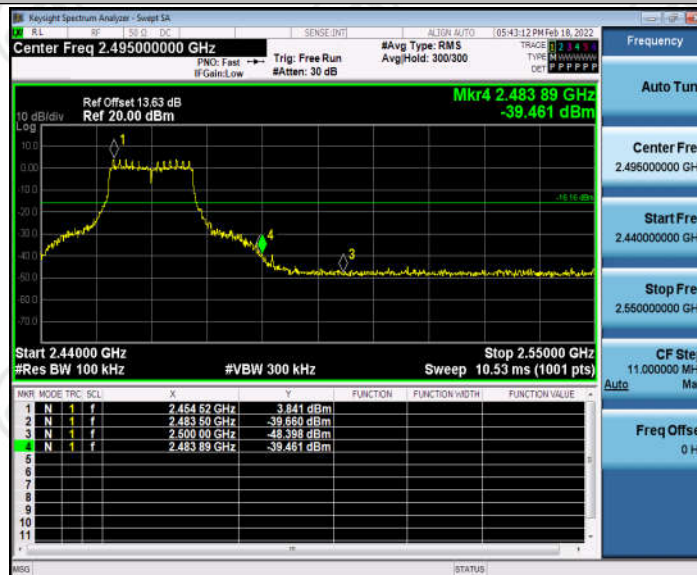
Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	8.28	-37.76	<=-11.72	PASS
		High	2462	8.11	-41.84	<=-11.89	PASS
11G	Ant1	Low	2412	3.83	-26.3	<=-16.17	PASS
		High	2462	3.84	-39.46	<=-16.16	PASS
11N20SI SO	Ant1	Low	2412	3.61	-25.66	<=-16.39	PASS
		High	2462	3.94	-37.45	<=-16.06	PASS

Test Graphs

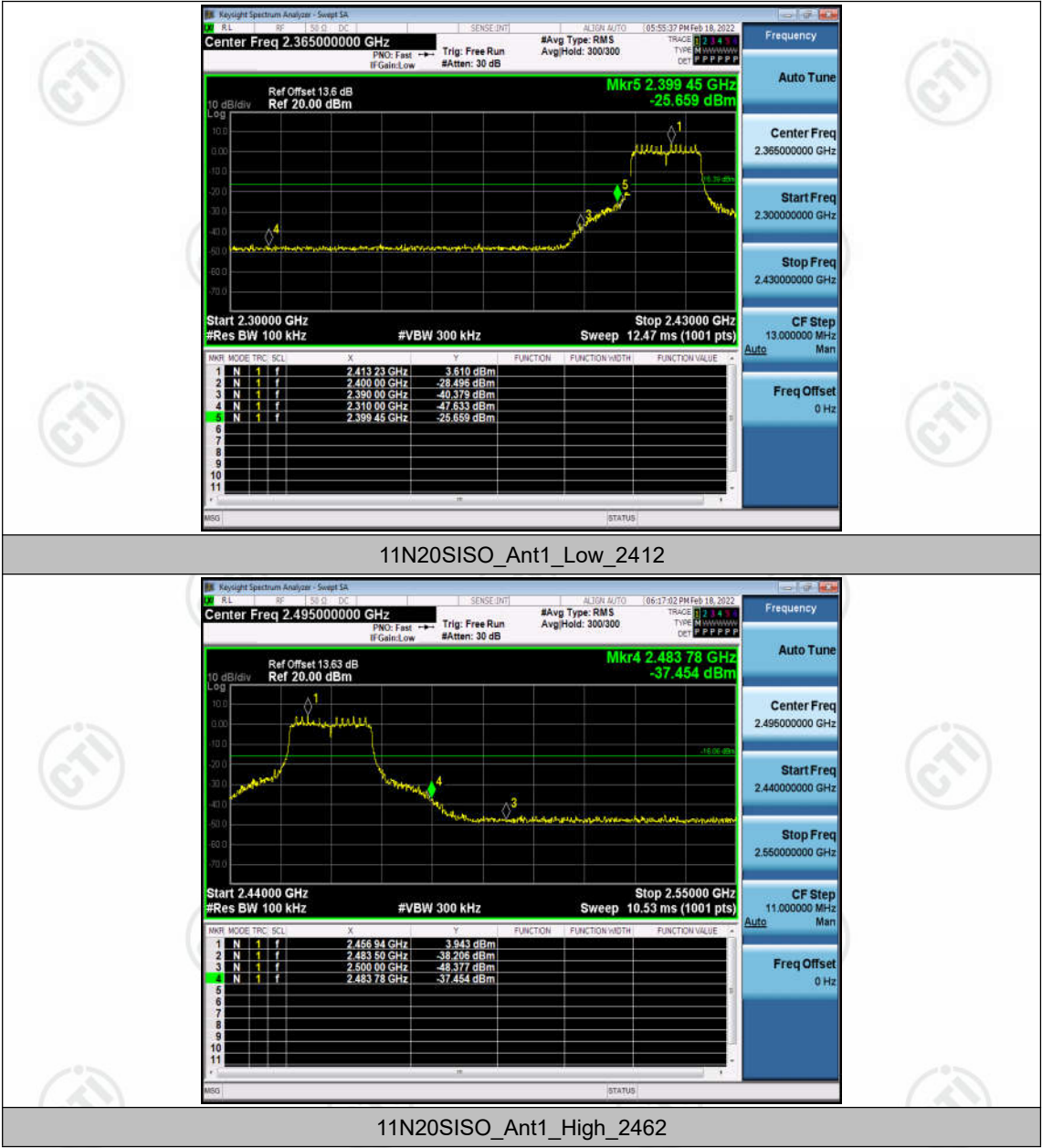




11G_Ant1_Low_2412



11G_Ant1_High_2462

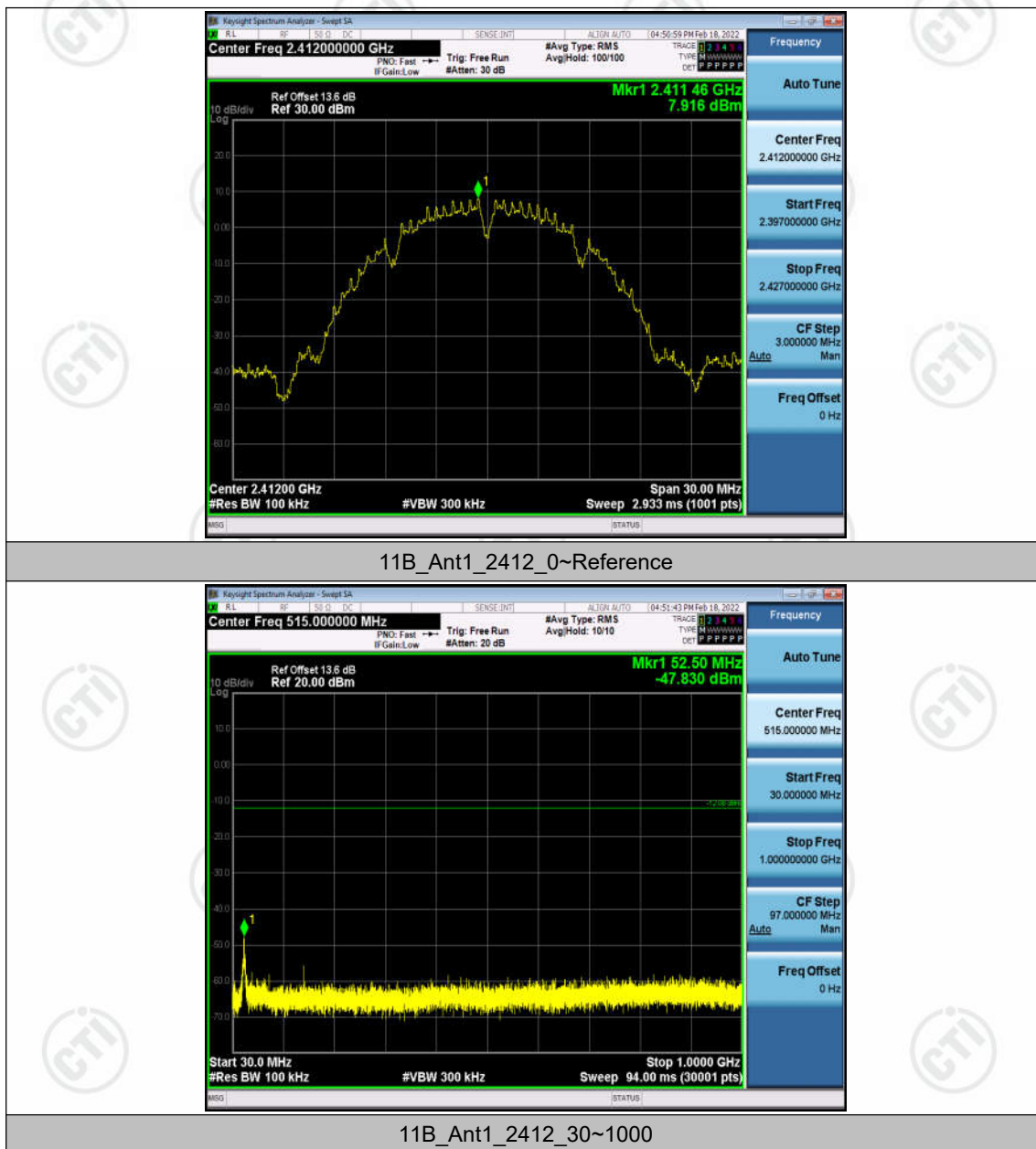


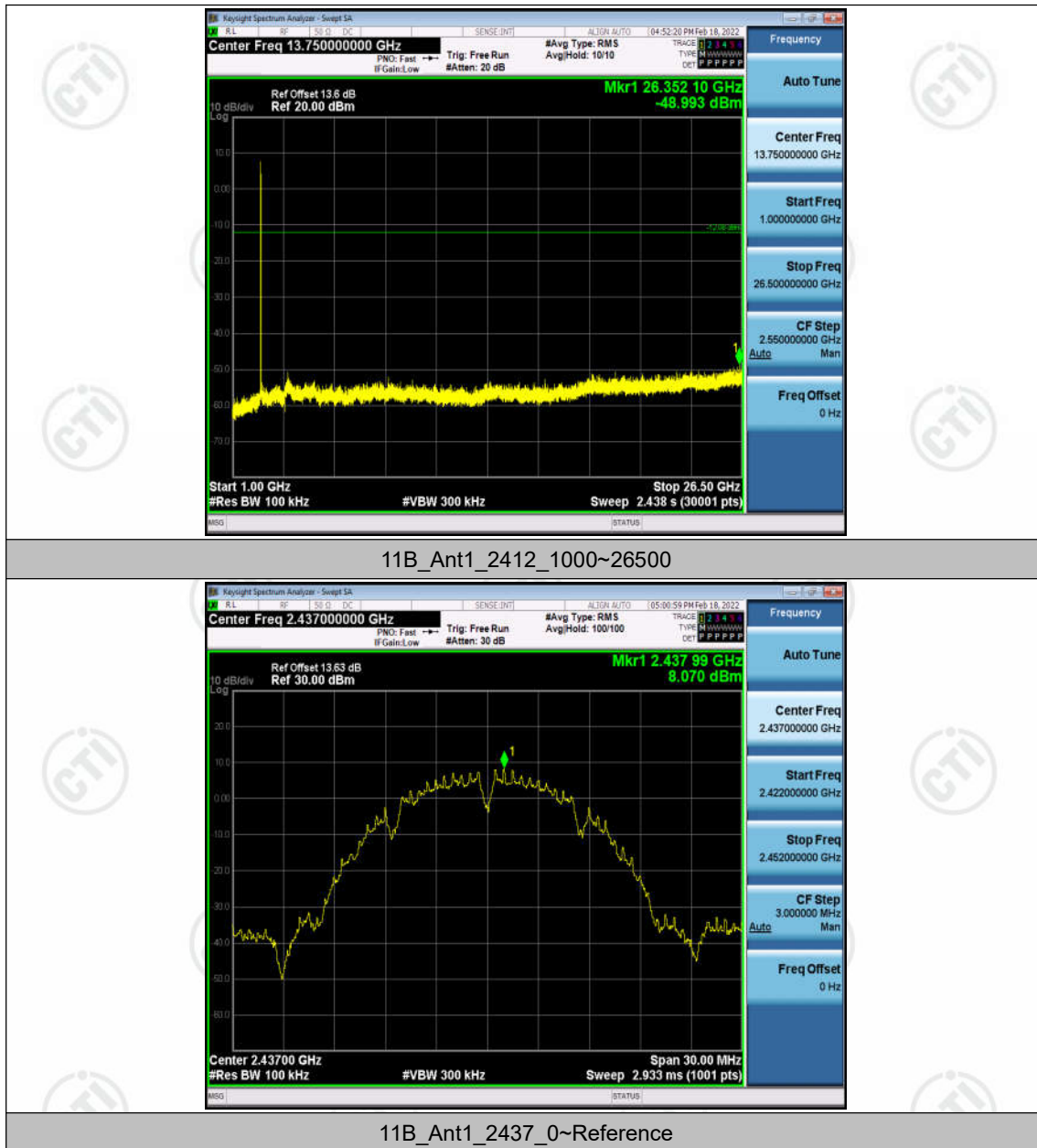
Appendix F:Conducted SpuriousEmission

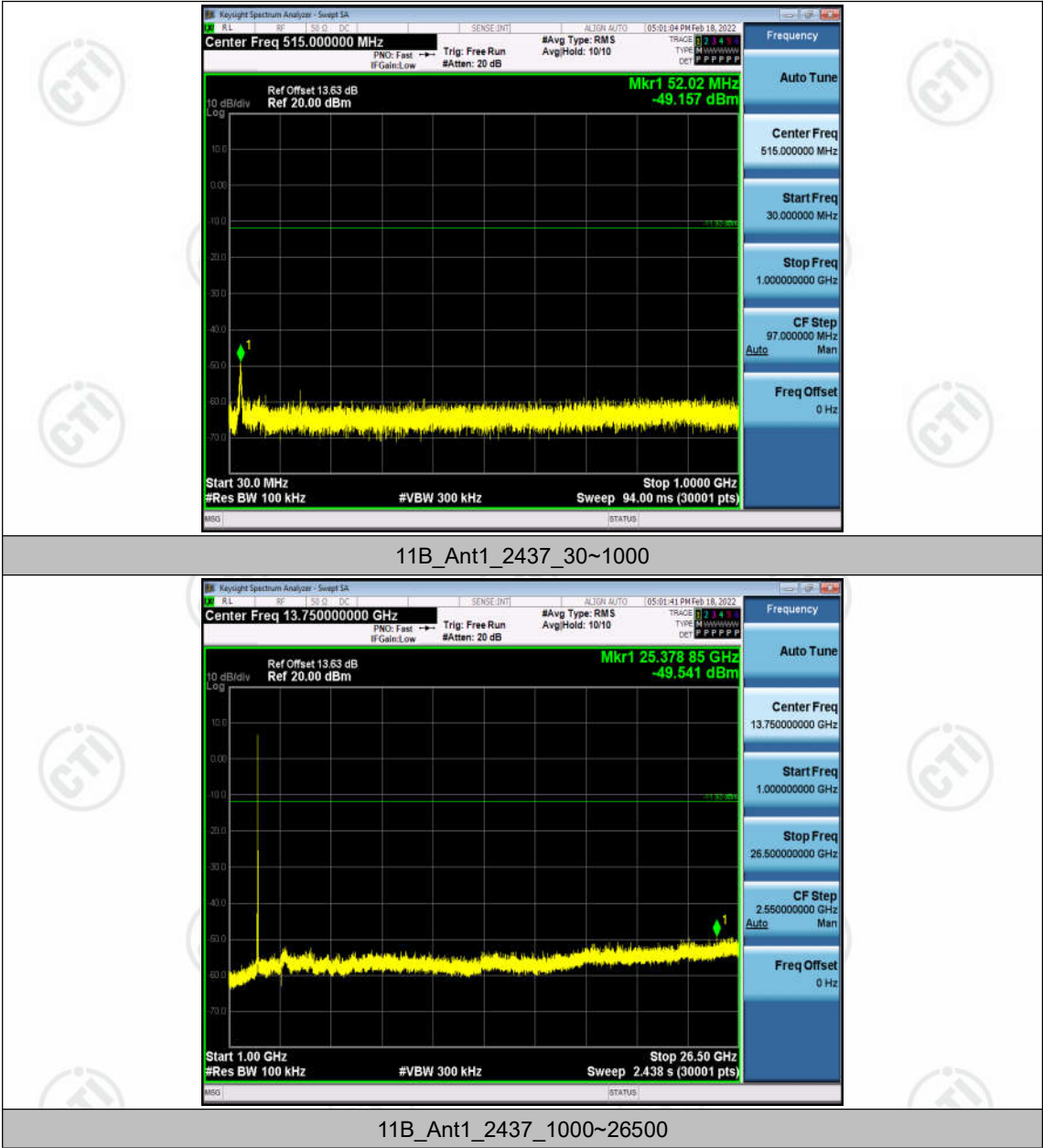
Test Result

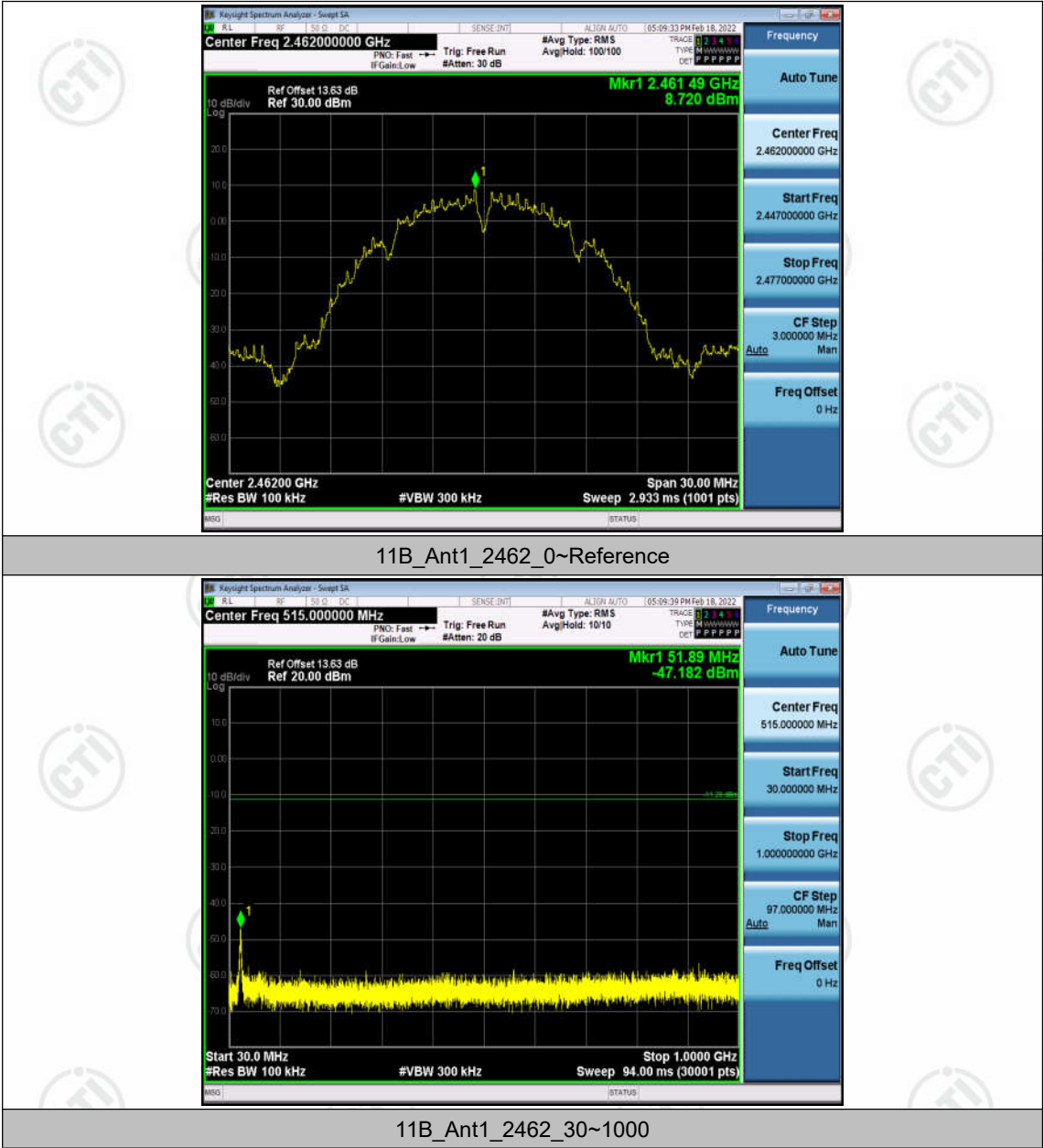
Test Mode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.92	7.92	---	PASS
			30~1000	30~1000	-47.83	<=-12.084	PASS
			1000~26500	1000~26500	-48.993	<=-12.084	PASS
		2437	Reference	8.07	8.07	---	PASS
			30~1000	30~1000	-49.157	<=-11.93	PASS
			1000~26500	1000~26500	-49.541	<=-11.93	PASS
		2462	Reference	8.72	8.72	---	PASS
			30~1000	30~1000	-47.182	<=-11.28	PASS
			1000~26500	1000~26500	-49.497	<=-11.28	PASS
11G	Ant1	2412	Reference	3.98	3.98	---	PASS
			30~1000	30~1000	-48.596	<=-16.016	PASS
			1000~26500	1000~26500	-46.524	<=-16.016	PASS
		2437	Reference	3.29	3.29	---	PASS
			30~1000	30~1000	-49.458	<=-16.707	PASS
			1000~26500	1000~26500	-49.698	<=-16.707	PASS
		2462	Reference	3.82	3.82	---	PASS
			30~1000	30~1000	-48.656	<=-16.178	PASS
			1000~26500	1000~26500	-44.424	<=-16.178	PASS
11N20SIS O	Ant1	2412	Reference	3.46	3.46	---	PASS
			30~1000	30~1000	-49.074	<=-16.544	PASS
			1000~26500	1000~26500	-50.047	<=-16.544	PASS
		2437	Reference	3.46	3.46	---	PASS
			30~1000	30~1000	-49.039	<=-16.536	PASS
			1000~26500	1000~26500	-48.848	<=-16.536	PASS
		2462	Reference	3.33	3.33	---	PASS
			30~1000	30~1000	-49.2	<=-16.666	PASS
			1000~26500	1000~26500	-49.266	<=-16.666	PASS

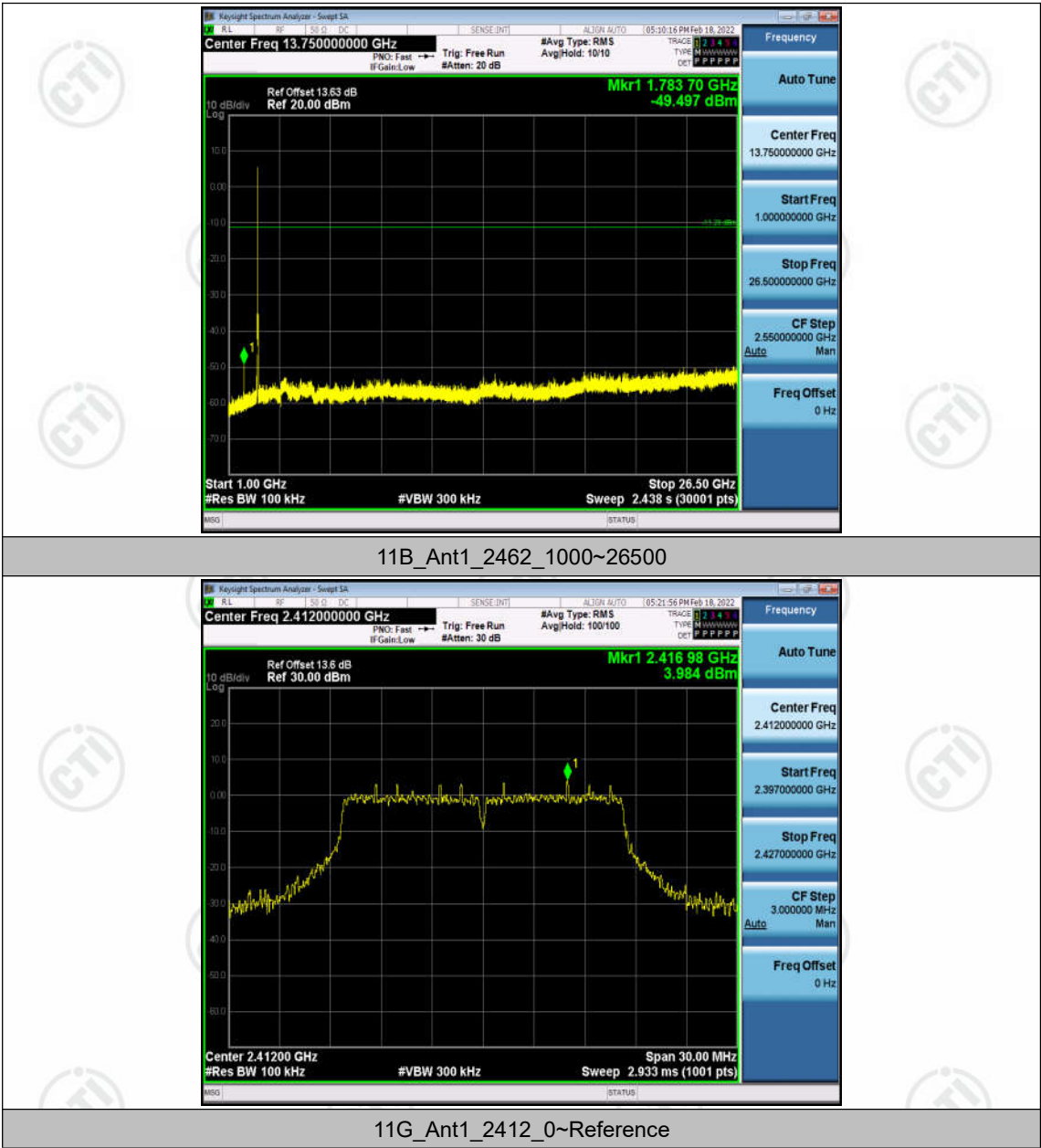
Test Graphs

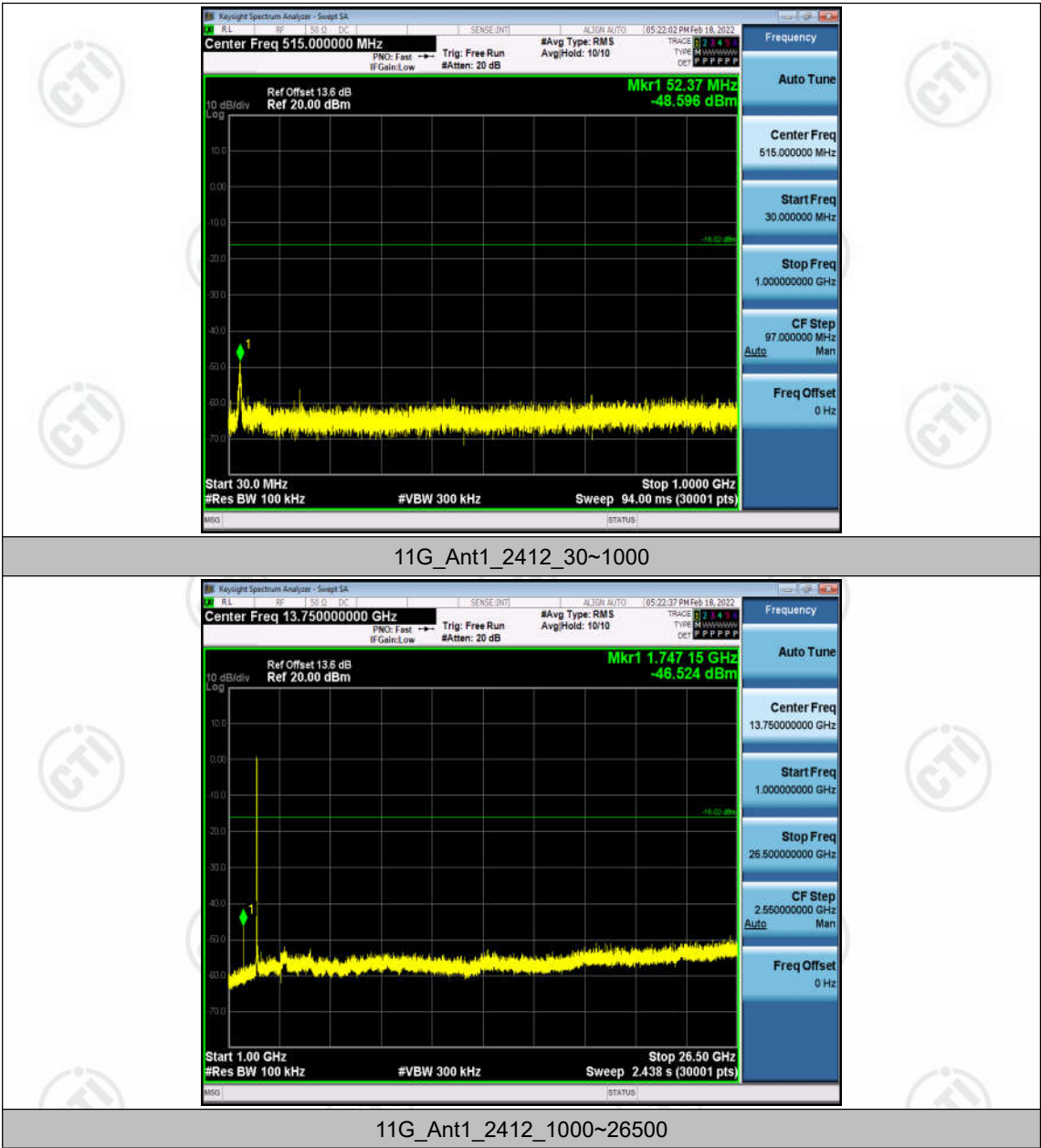


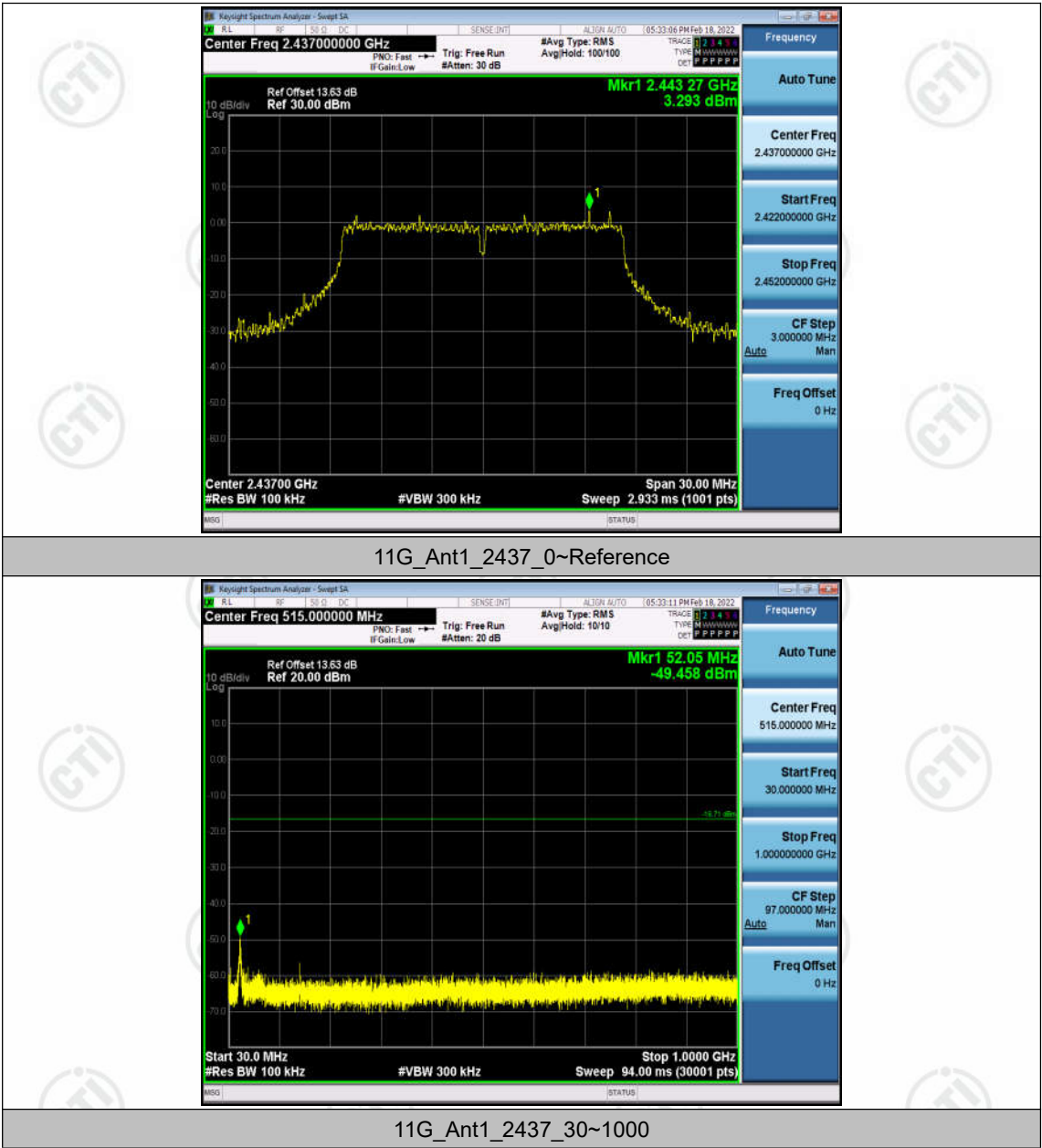


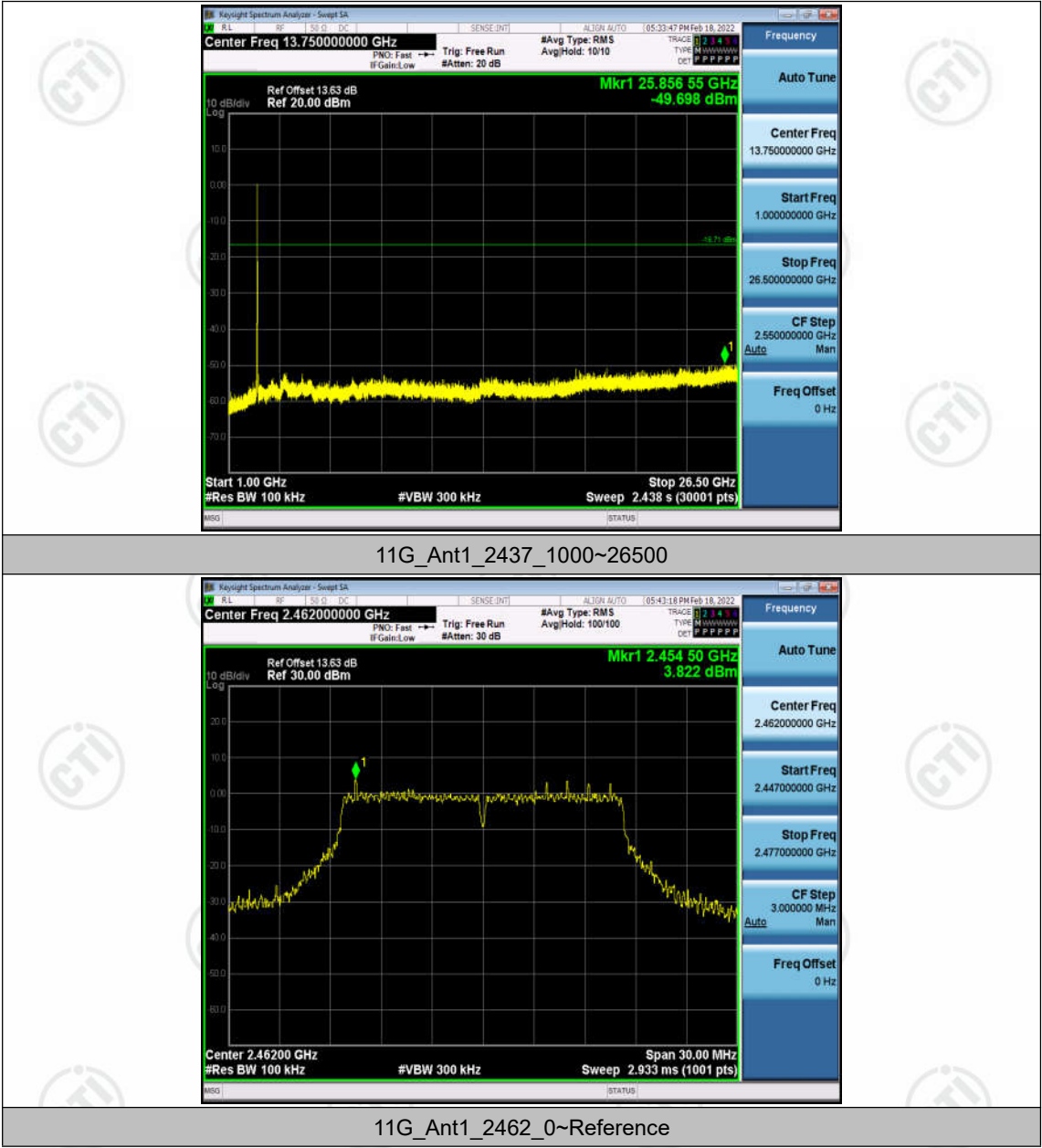


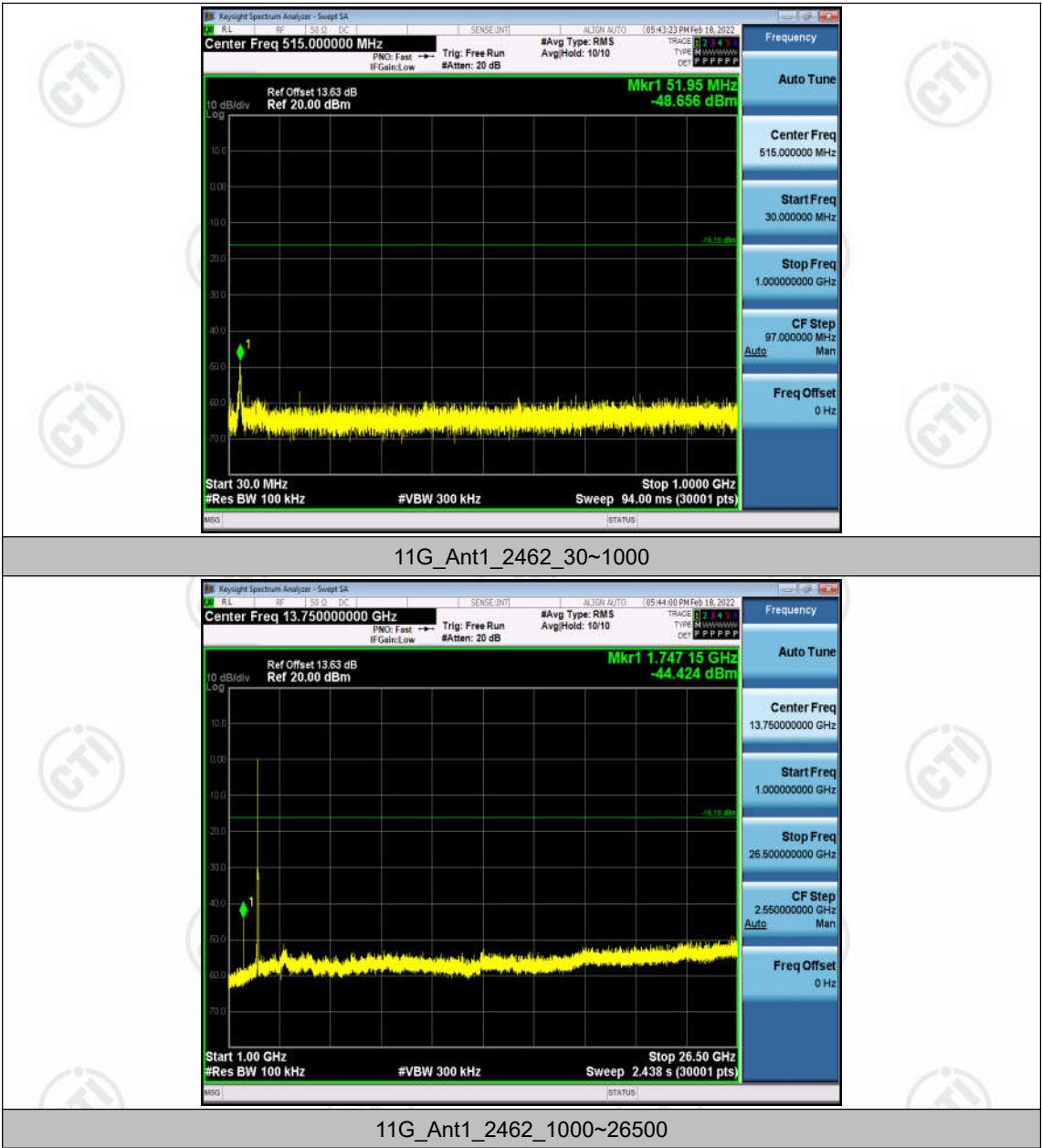


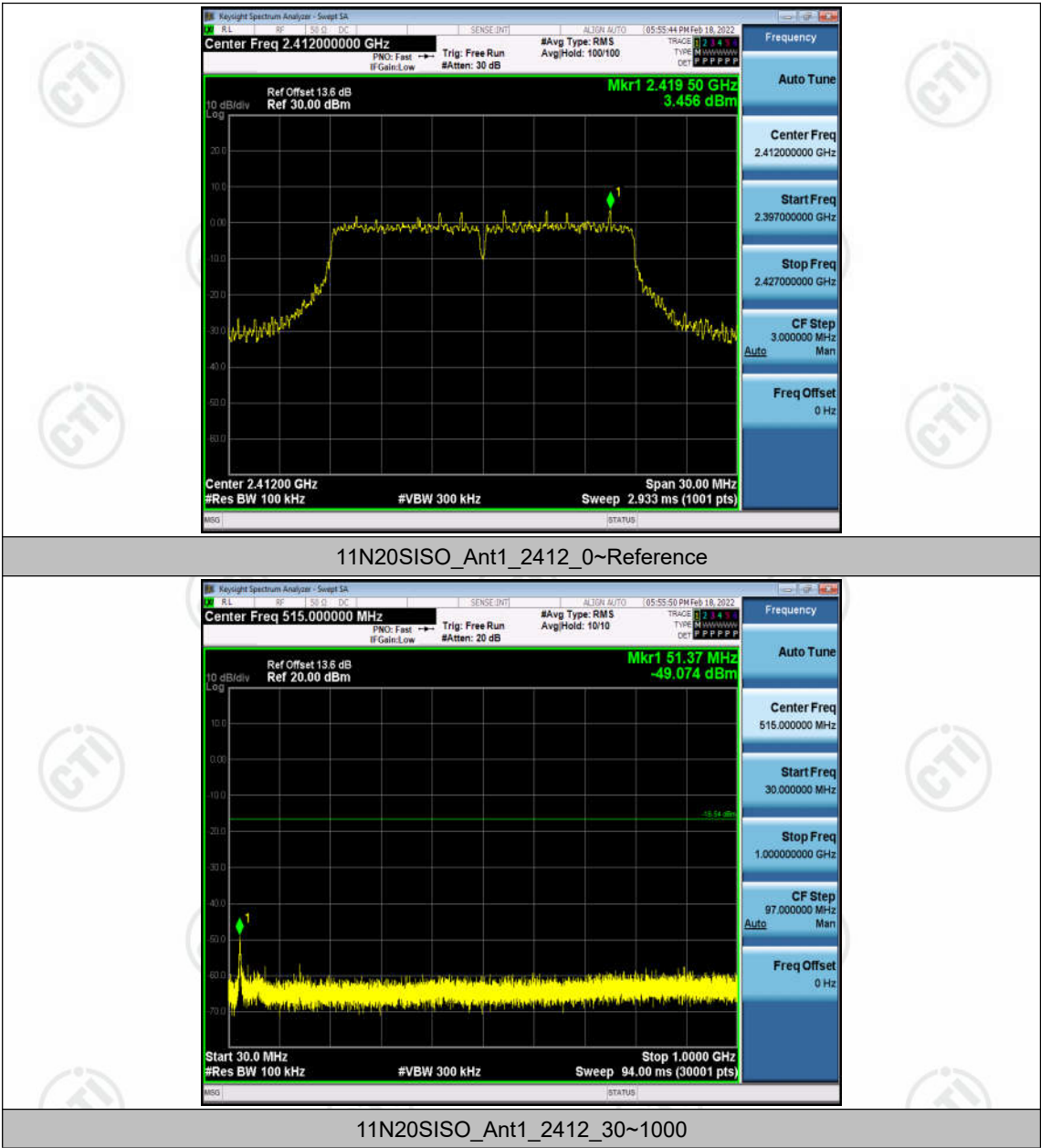


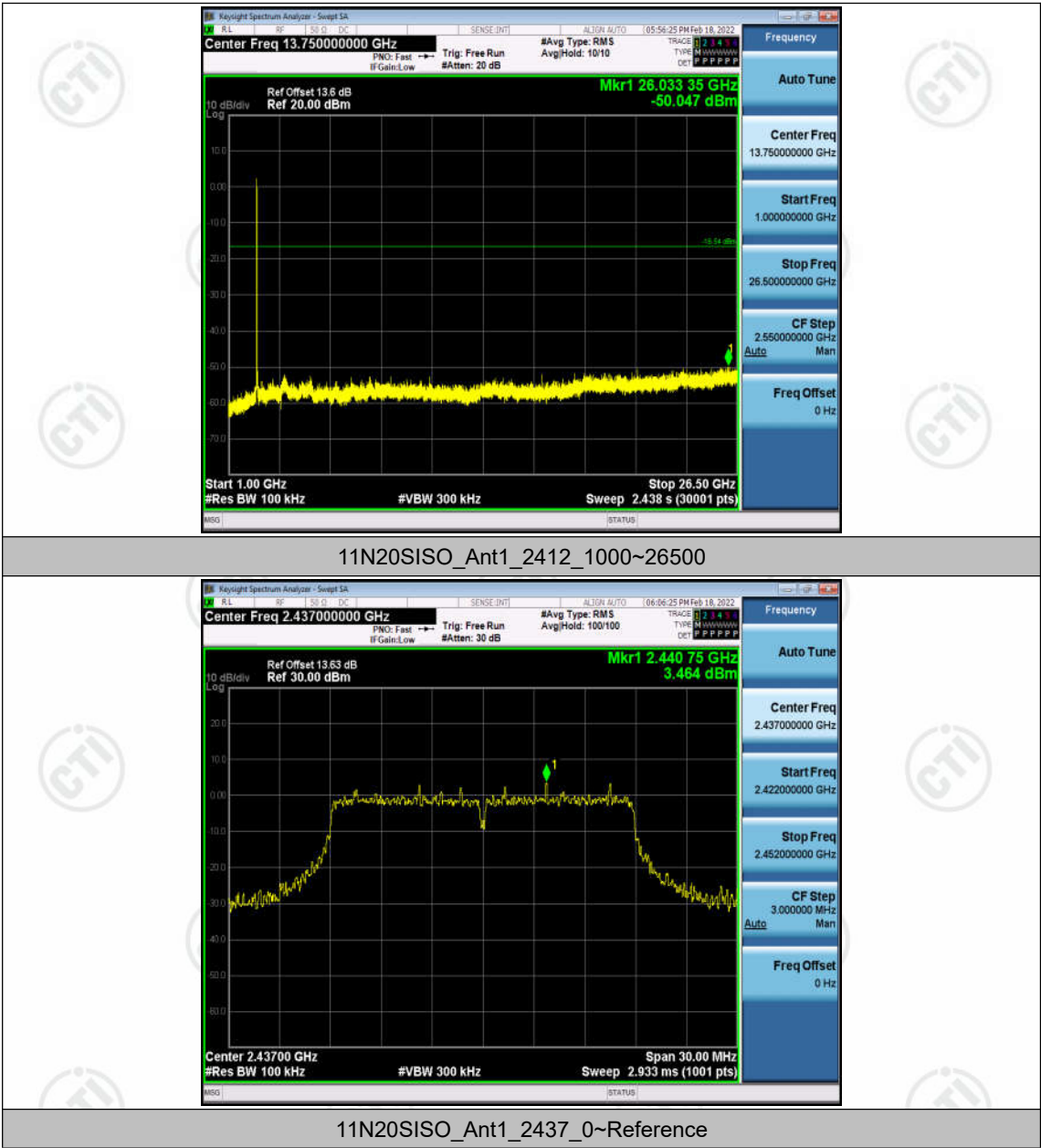


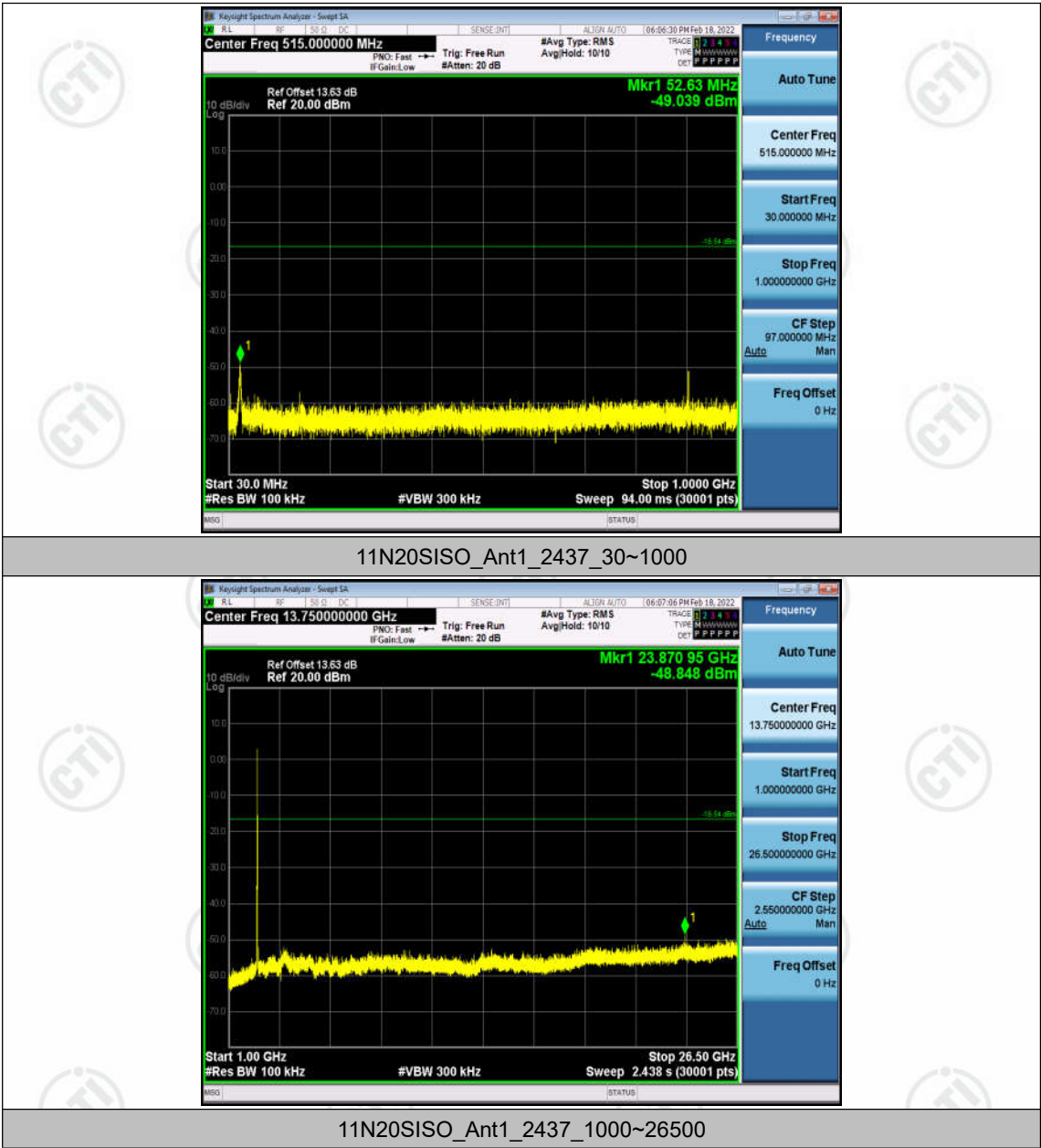


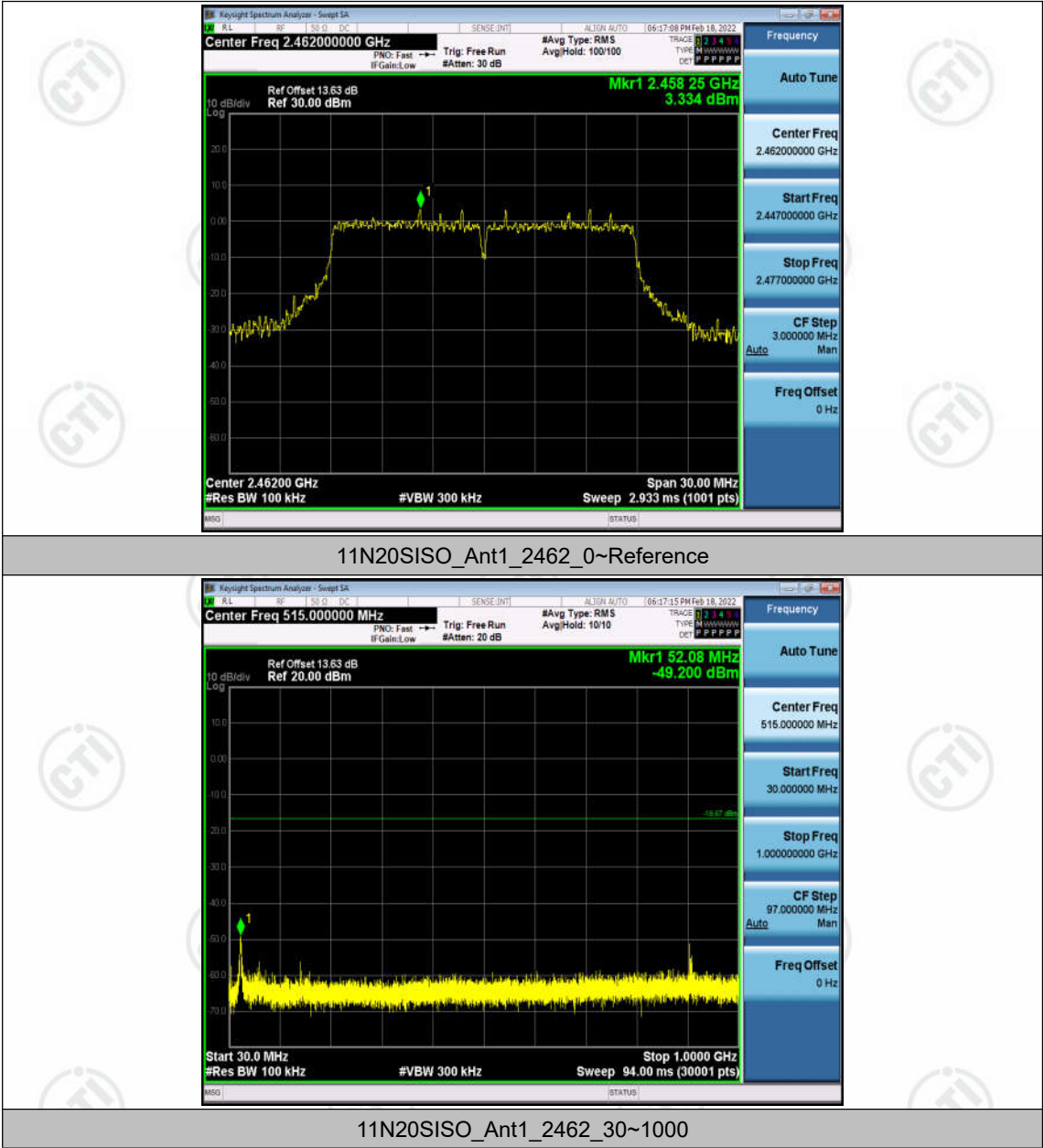


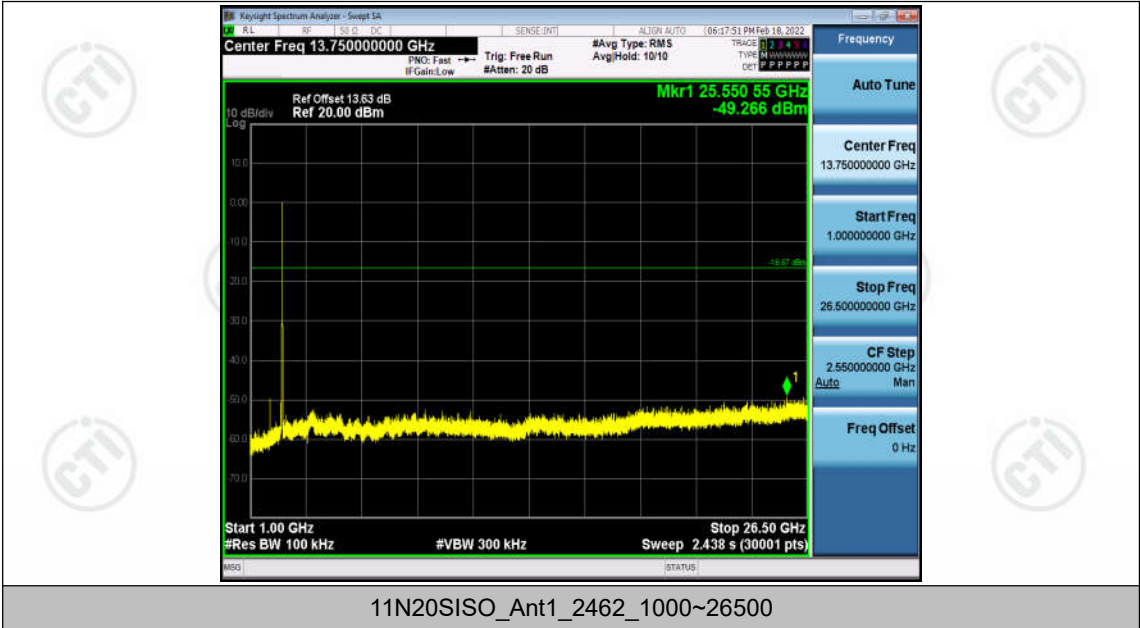










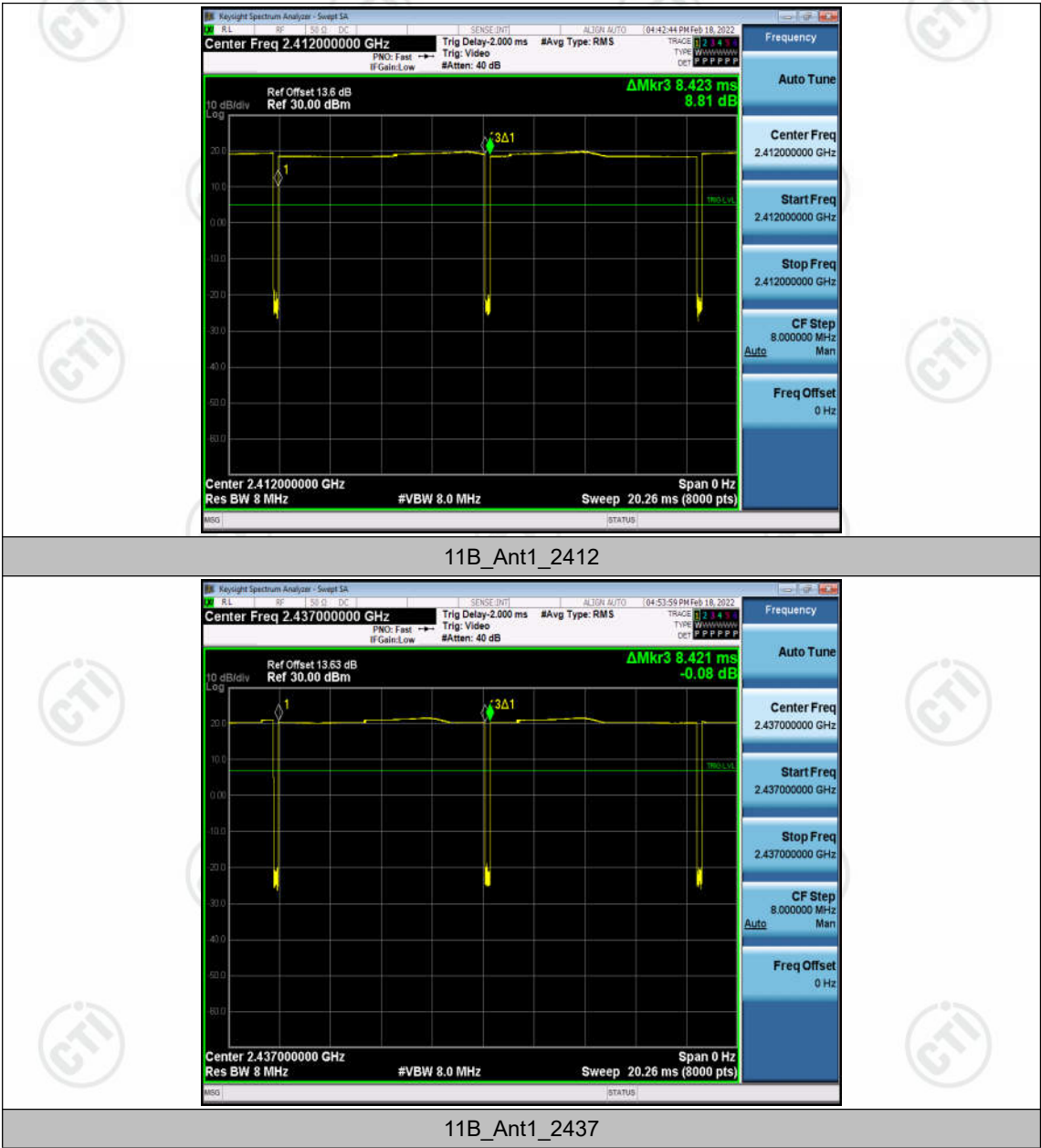


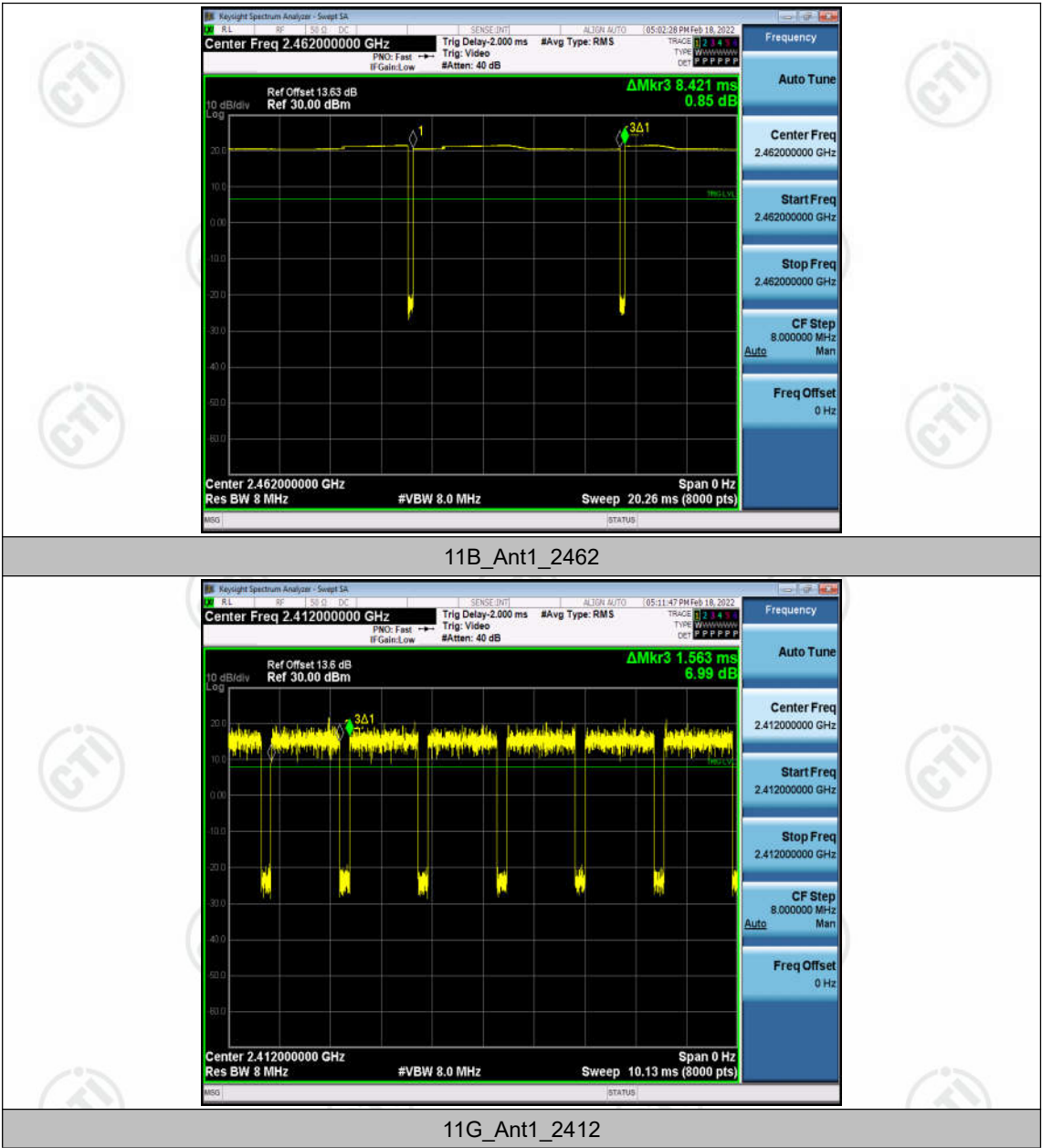
Appendix G: DutyCycle

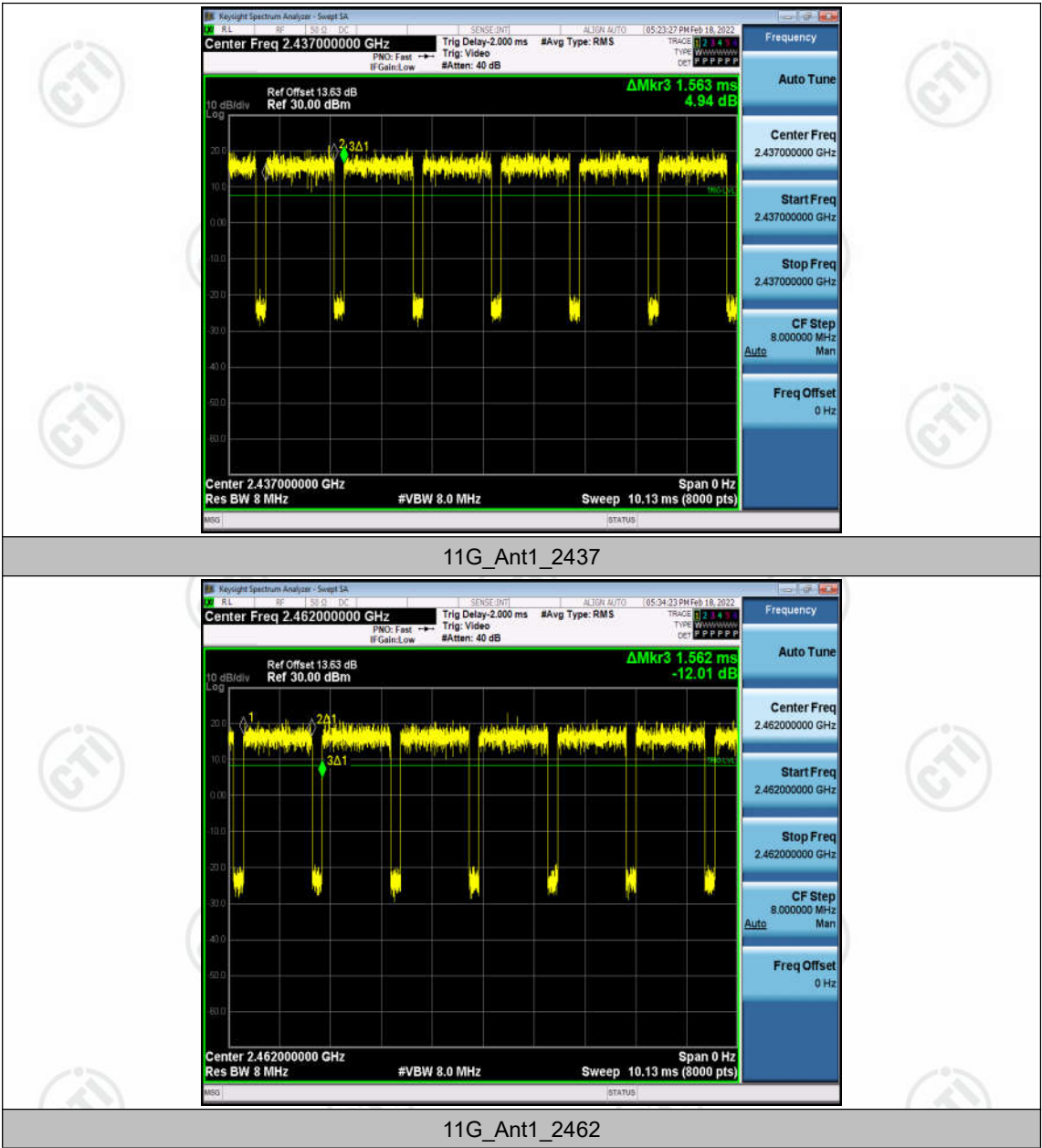
Test Result

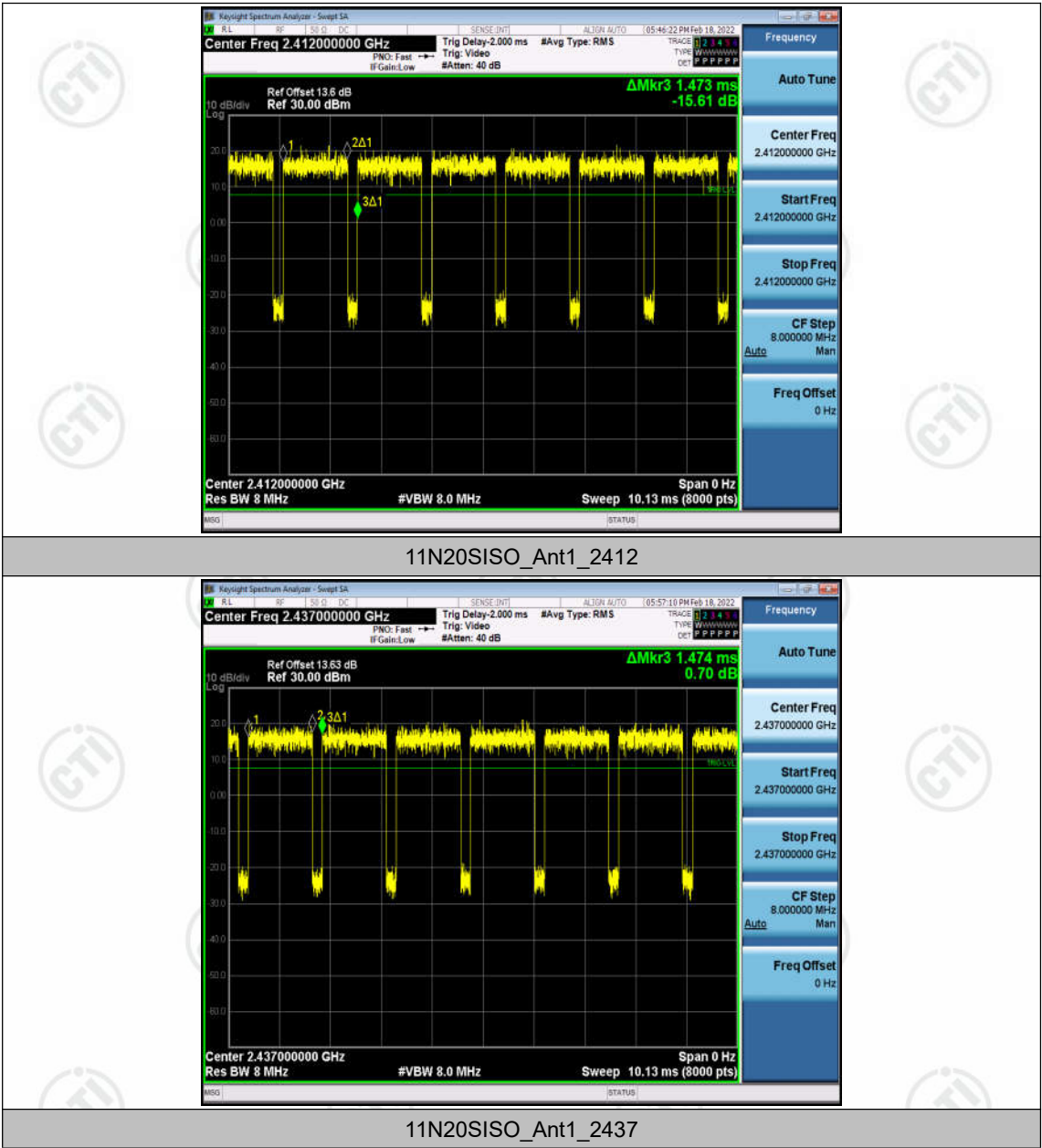
Test Mode	Antenna	Channel	TransmissionDuration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.22	8.42	97.59	---	PASS
		2437	8.22	8.42	97.59	---	PASS
		2462	8.22	8.42	97.59	---	PASS
11G	Ant1	2412	1.36	1.56	87.12	---	PASS
		2437	1.36	1.56	87.12	---	PASS
		2462	1.36	1.56	87.19	---	PASS
11N20SIS O	Ant1	2412	1.27	1.47	86.41	---	PASS
		2437	1.27	1.47	86.34	---	PASS
		2462	1.27	1.47	86.41	---	PASS

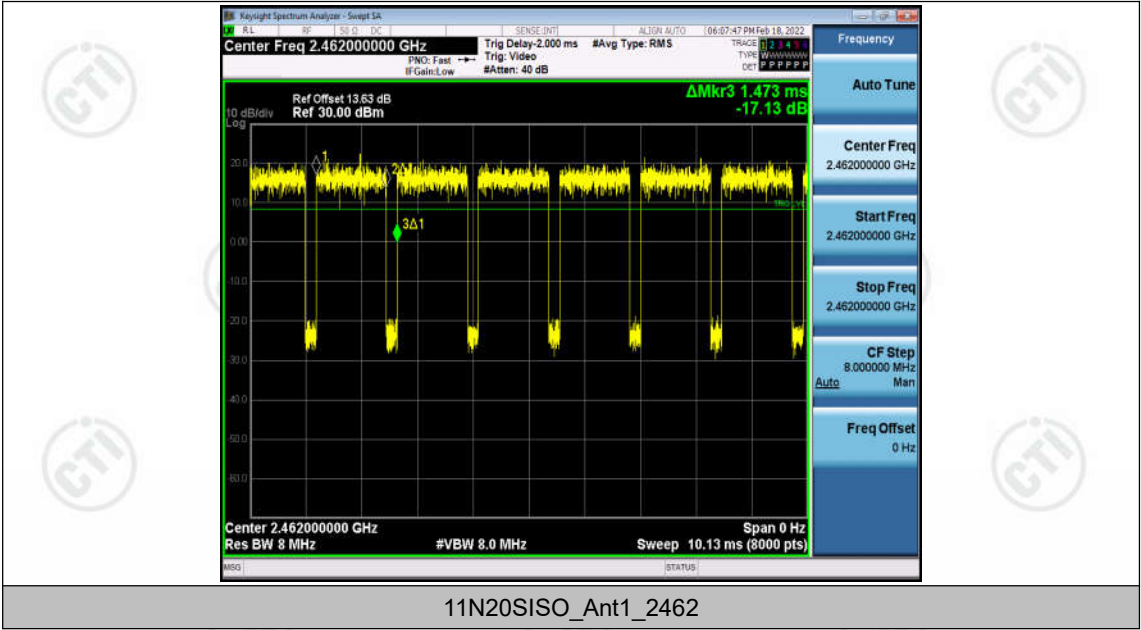
Test Graphs











*** End of Report ***