

Appendix: 2.4G WIFI

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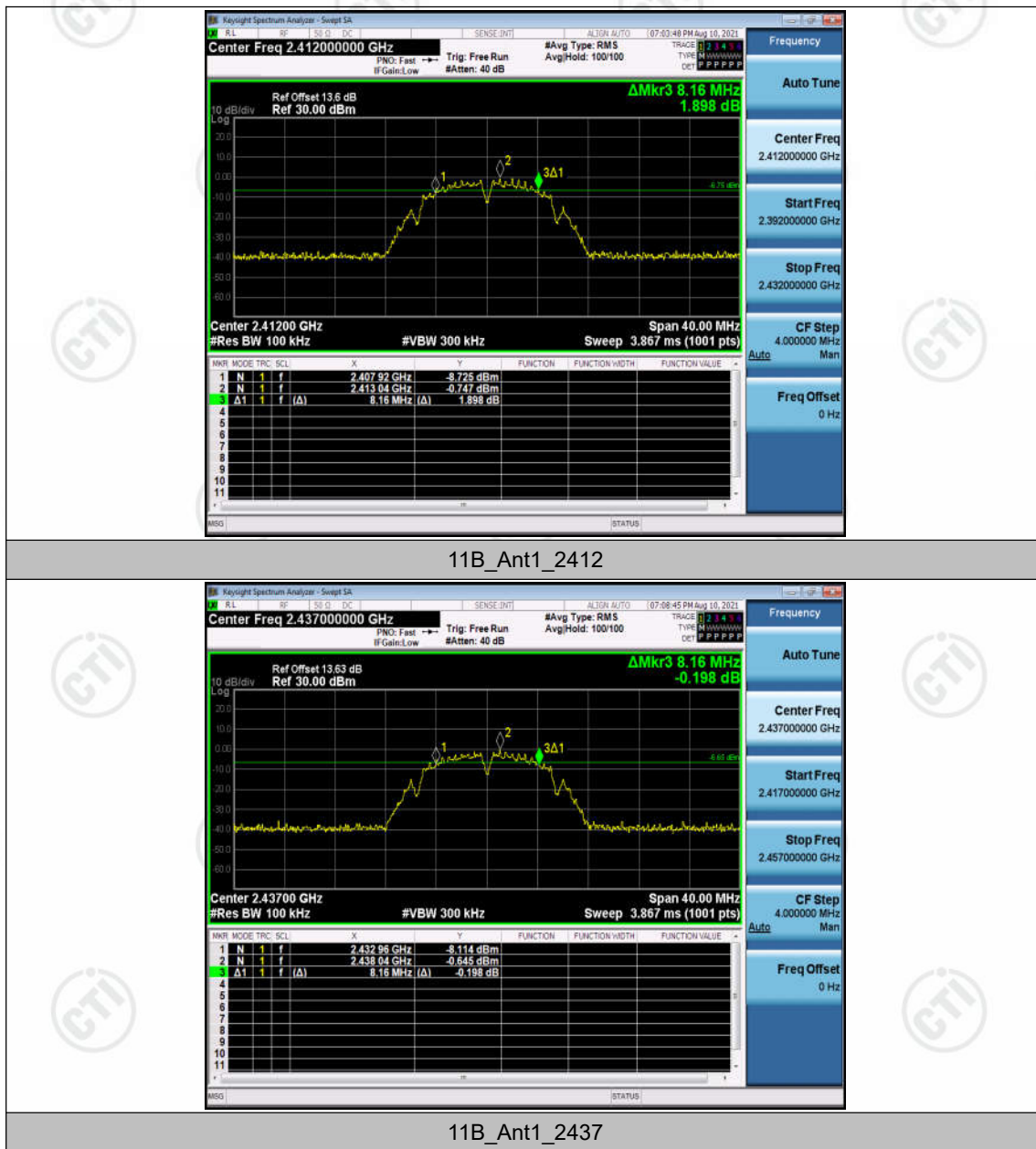
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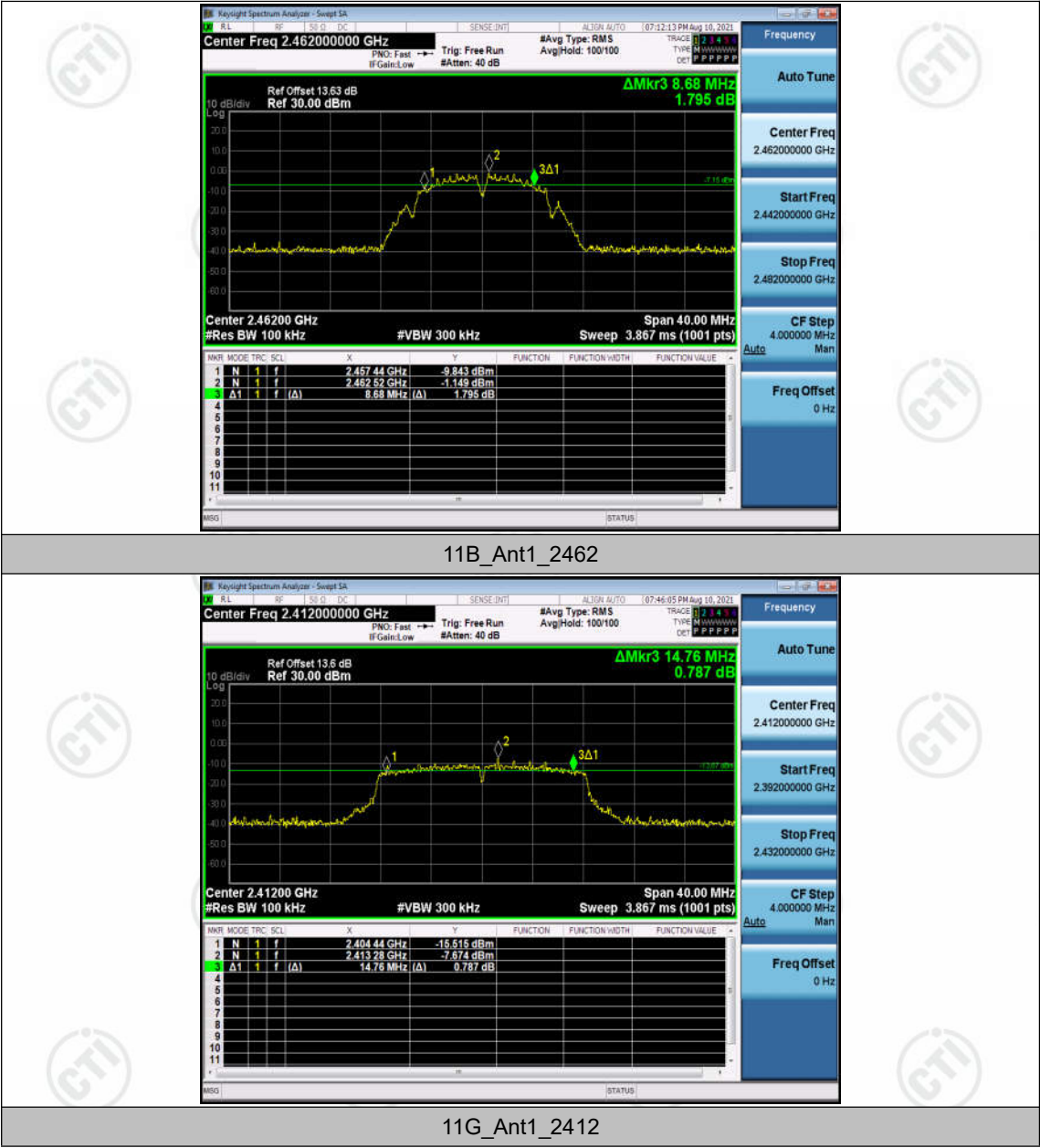
Appendix A: DTS Bandwidth

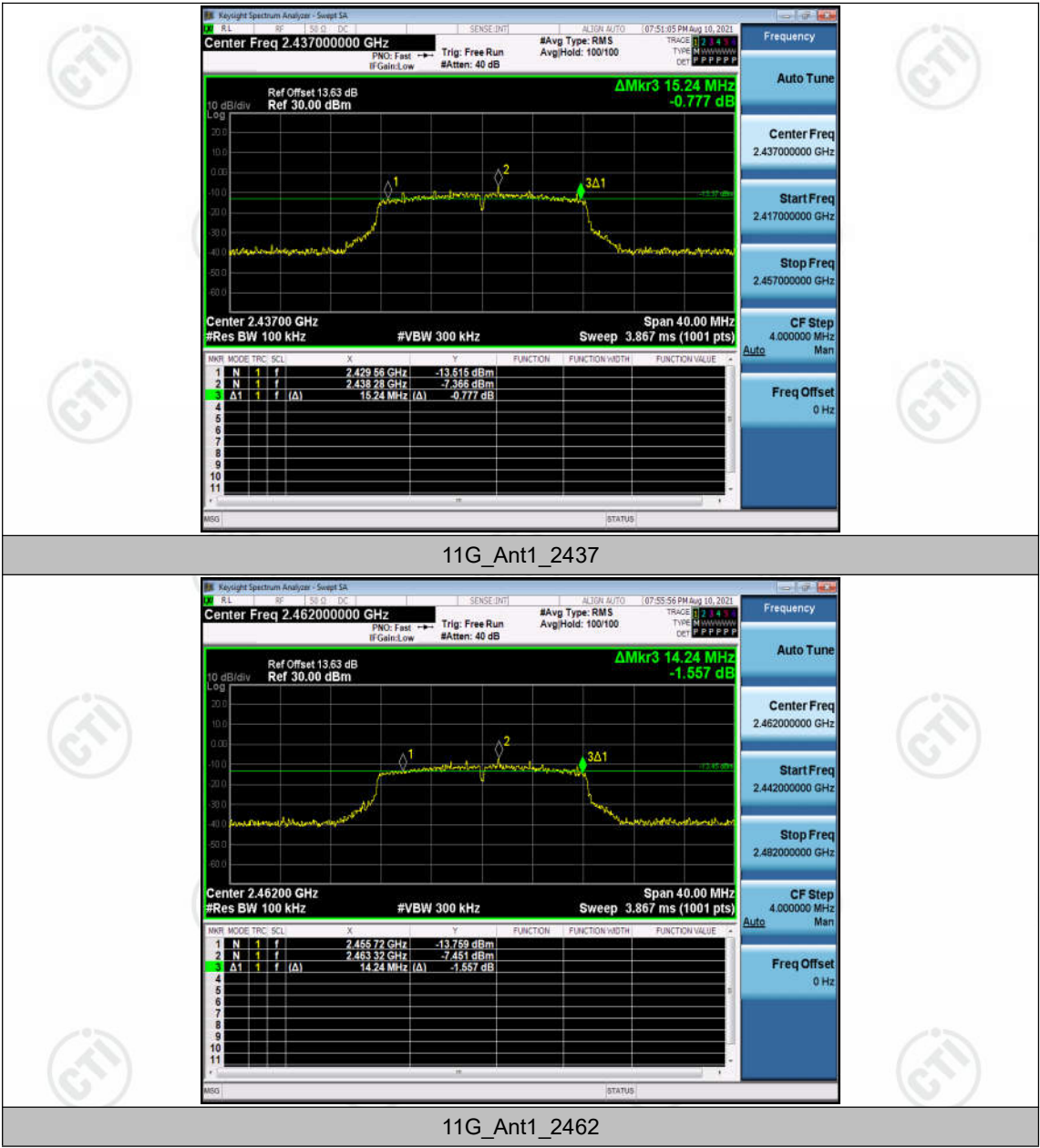
Test Result

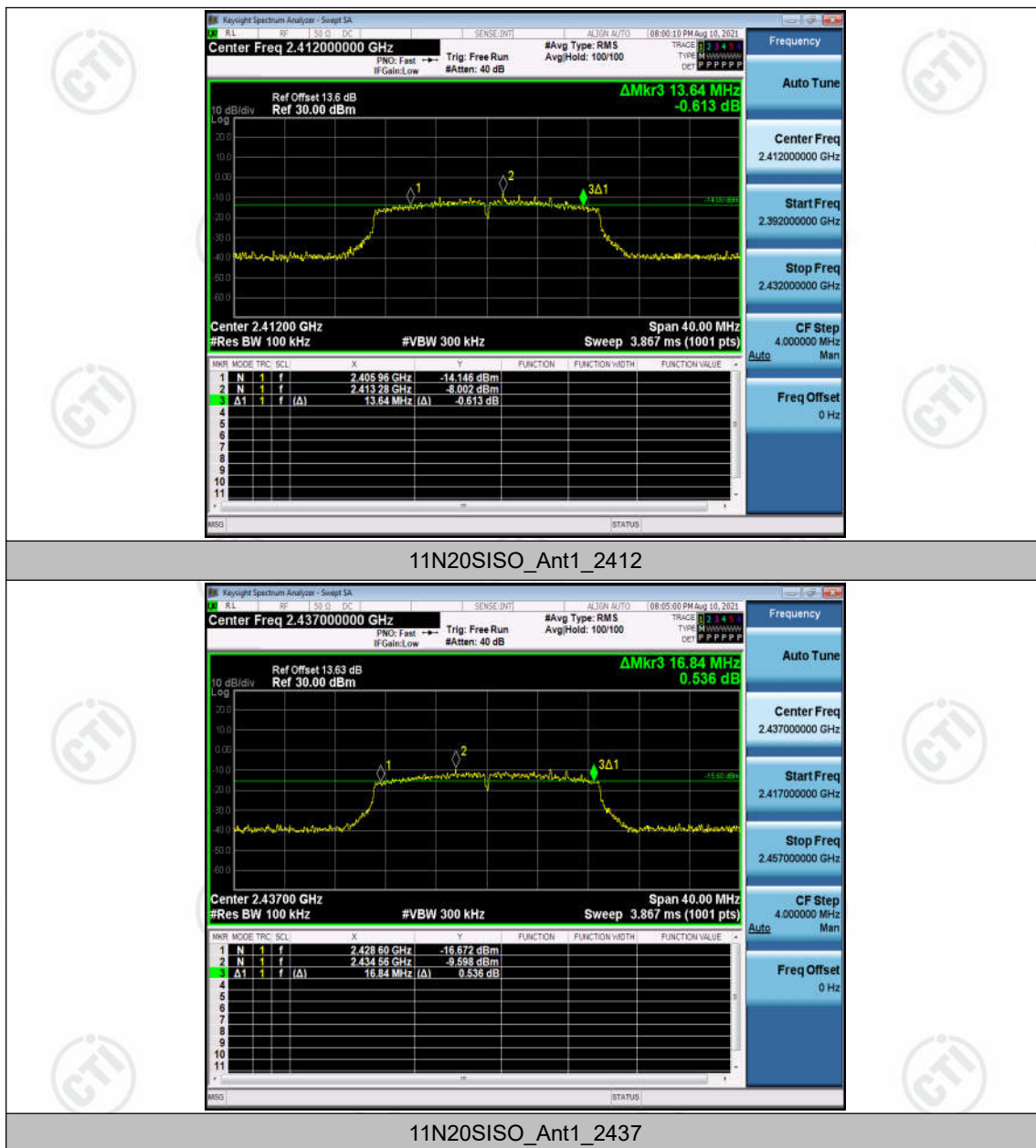
Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.160	2407.920	2416.080	0.5	PASS
		2437	8.160	2432.960	2441.120	0.5	PASS
		2462	8.680	2457.440	2466.120	0.5	PASS
11G	Ant1	2412	14.760	2404.440	2419.200	0.5	PASS
		2437	15.240	2429.560	2444.800	0.5	PASS
		2462	14.240	2455.720	2469.960	0.5	PASS
11N20SISO	Ant1	2412	13.640	2405.960	2419.600	0.5	PASS
		2437	16.840	2428.600	2445.440	0.5	PASS
		2462	16.880	2453.600	2470.480	0.5	PASS

Test Graphs









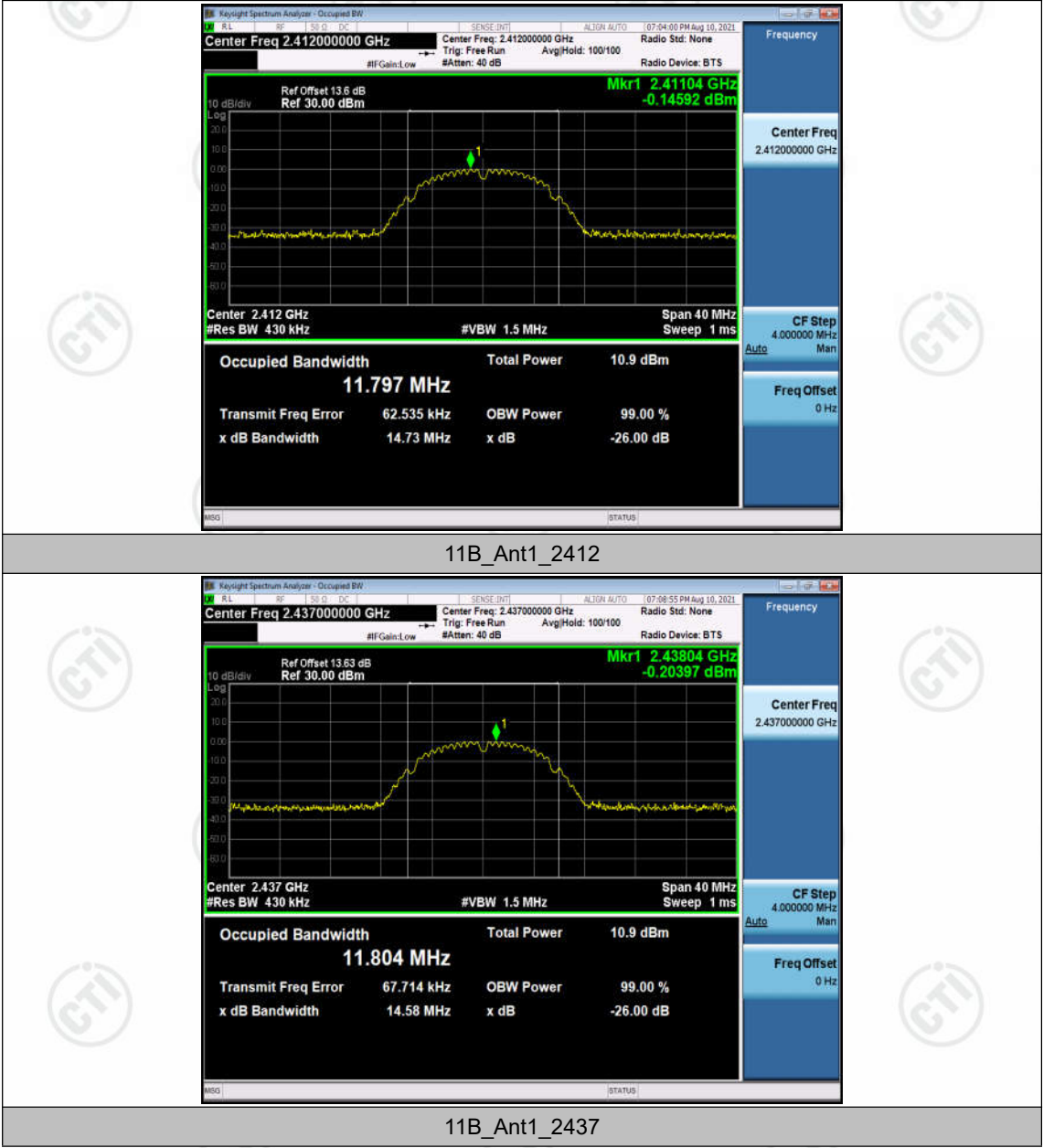


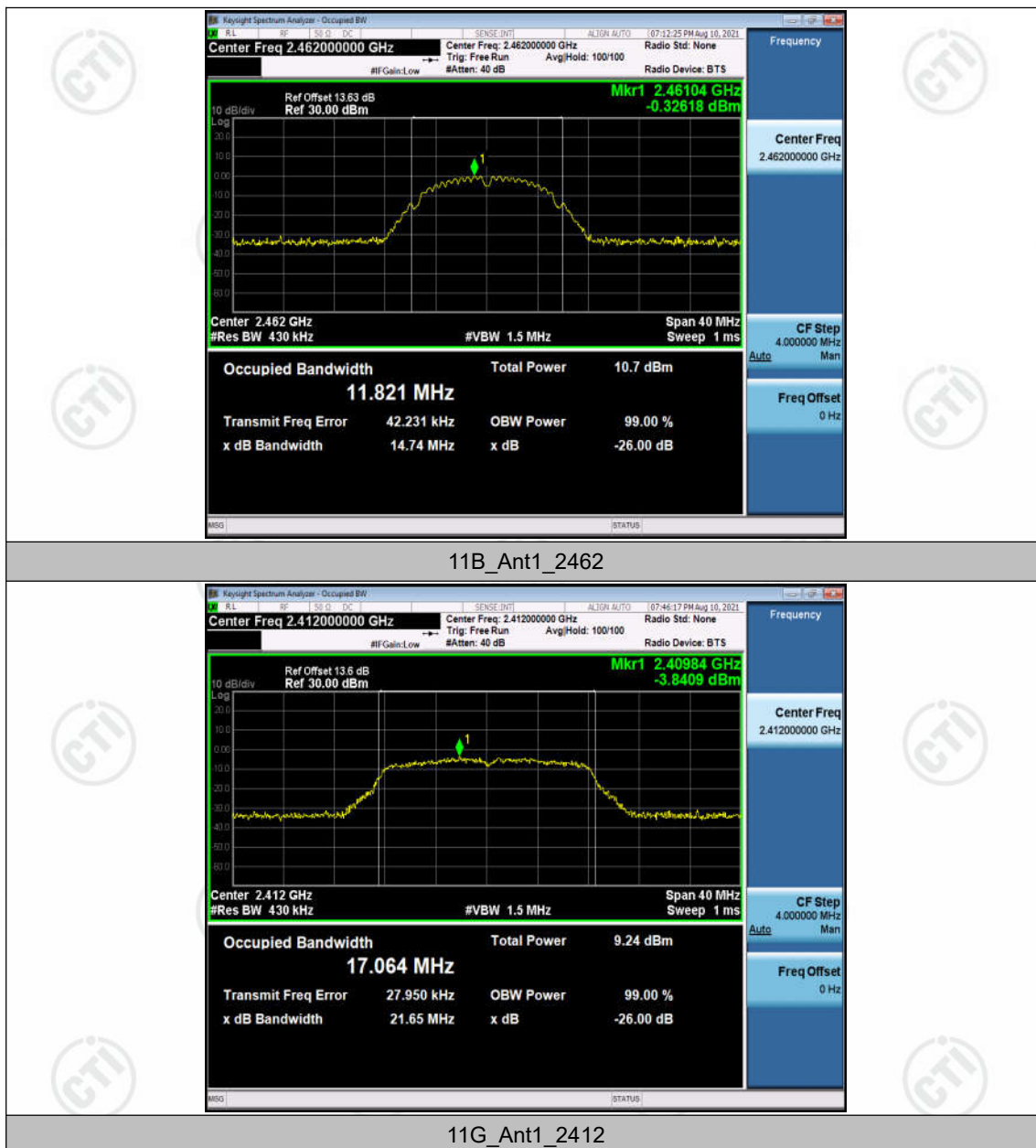
Appendix B: Occupied Channel Bandwidth

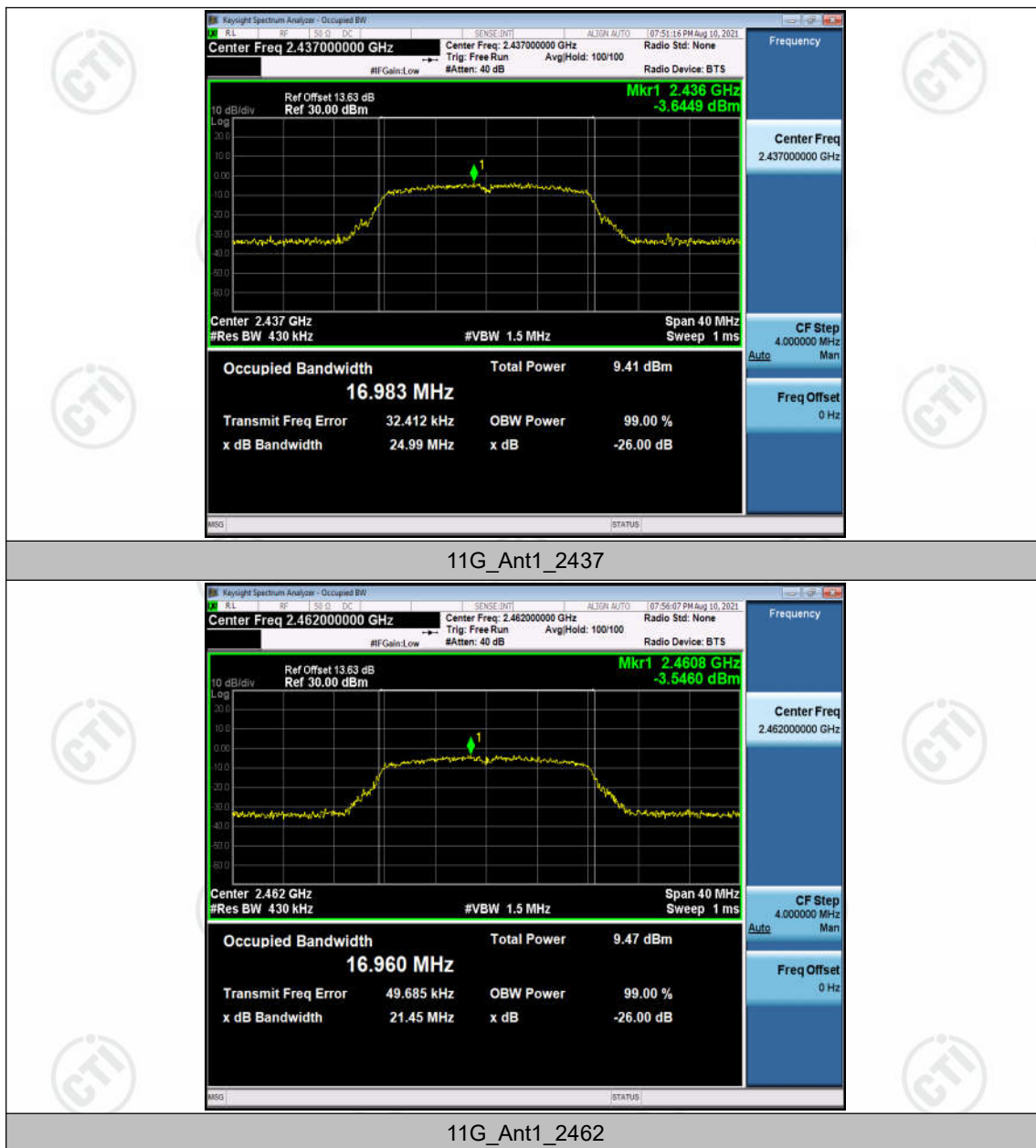
Test Result

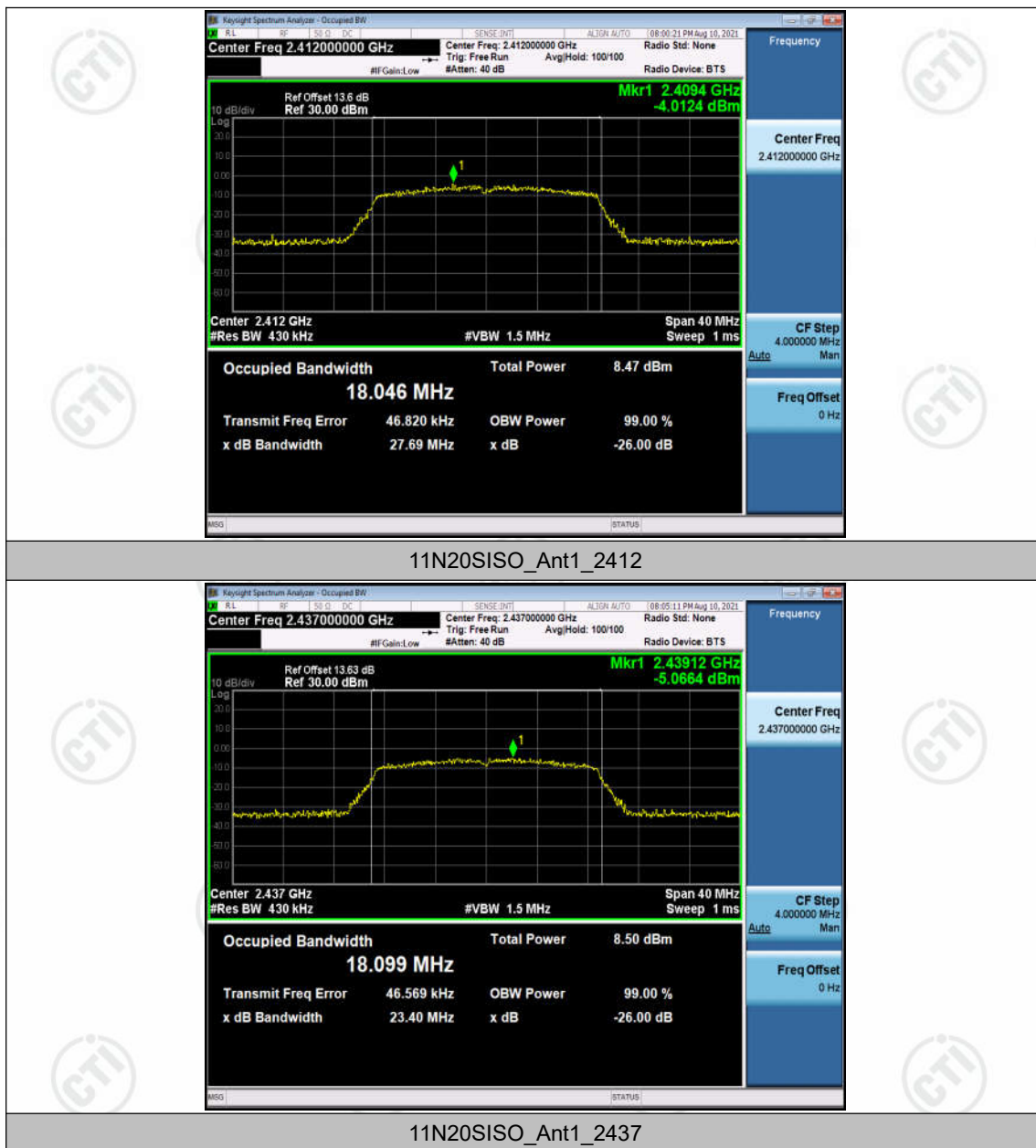
Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.797	2406.164	2417.961	---	PASS
		2437	11.804	2431.166	2442.970	---	PASS
		2462	11.821	2456.132	2467.953	---	PASS
11G	Ant1	2412	17.064	2403.496	2420.560	---	PASS
		2437	16.983	2428.541	2445.524	---	PASS
		2462	16.960	2453.570	2470.530	---	PASS
11N20SISO	Ant1	2412	18.046	2403.024	2421.070	---	PASS
		2437	18.099	2427.997	2446.096	---	PASS
		2462	18.100	2452.954	2471.054	---	PASS

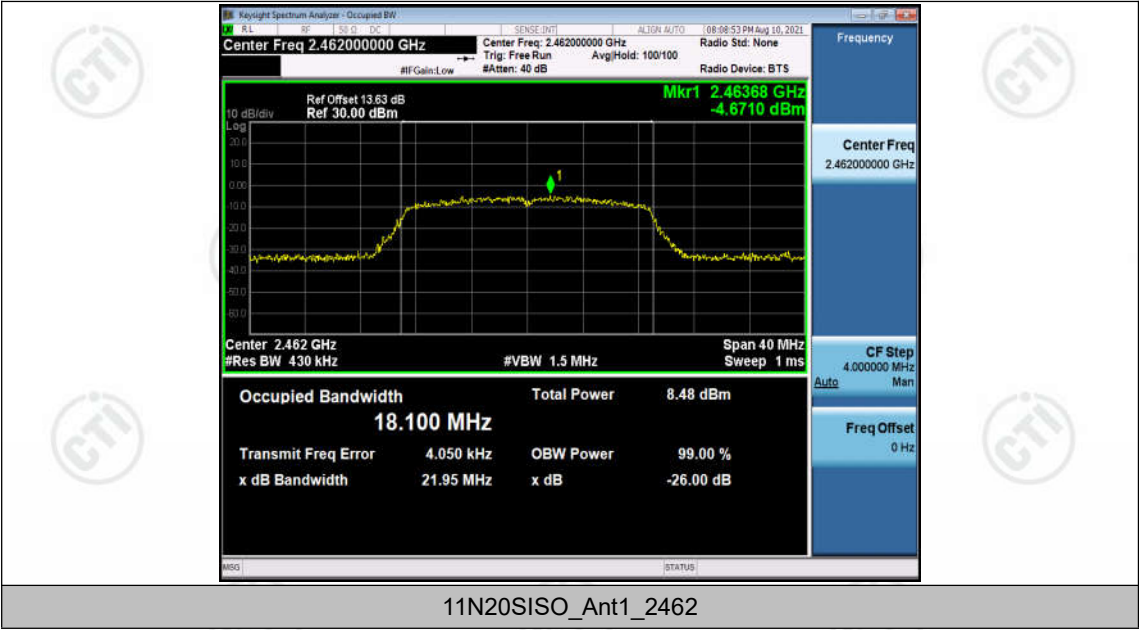
Test Graphs











Appendix C: Maximum conducted output power

Test Result

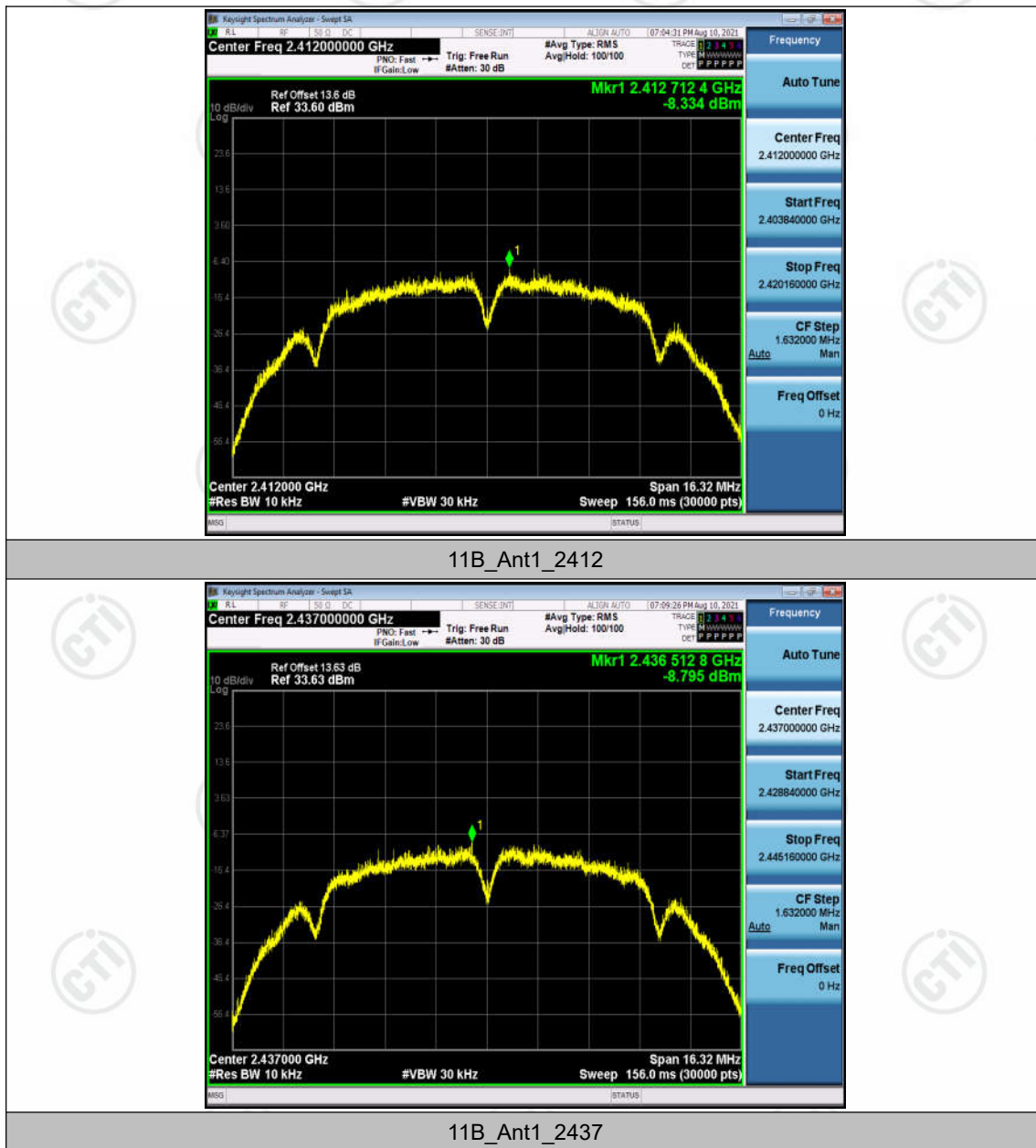
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	10.47	<=30	PASS
		2437	10.43	<=30	PASS
		2462	10.40	<=30	PASS
11G	Ant1	2412	10.20	<=30	PASS
		2437	10.38	<=30	PASS
		2462	10.25	<=30	PASS
11N20SISO	Ant1	2412	9.09	<=30	PASS
		2437	9.52	<=30	PASS
		2462	9.52	<=30	PASS

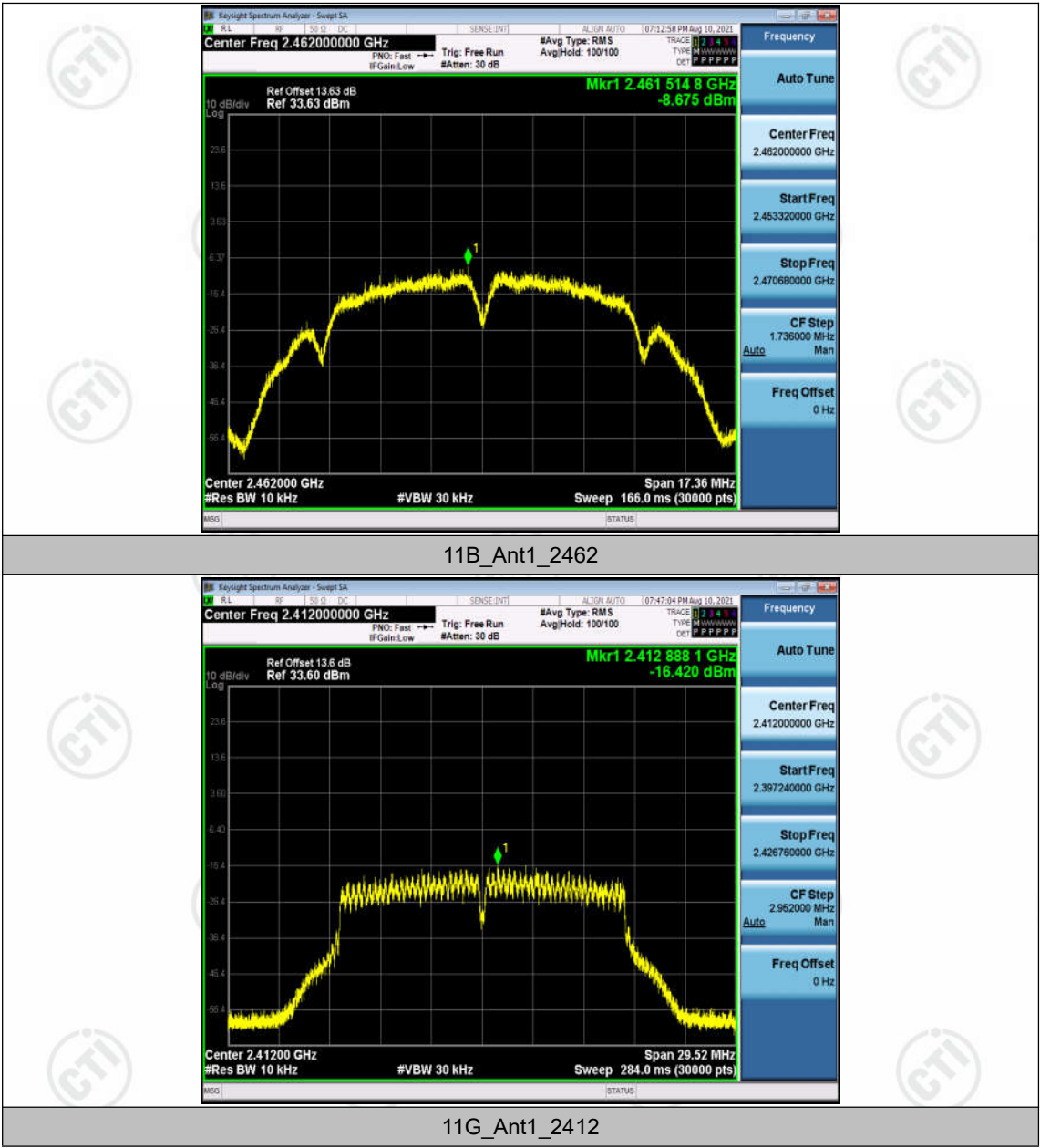
Appendix D: Maximum power spectral density

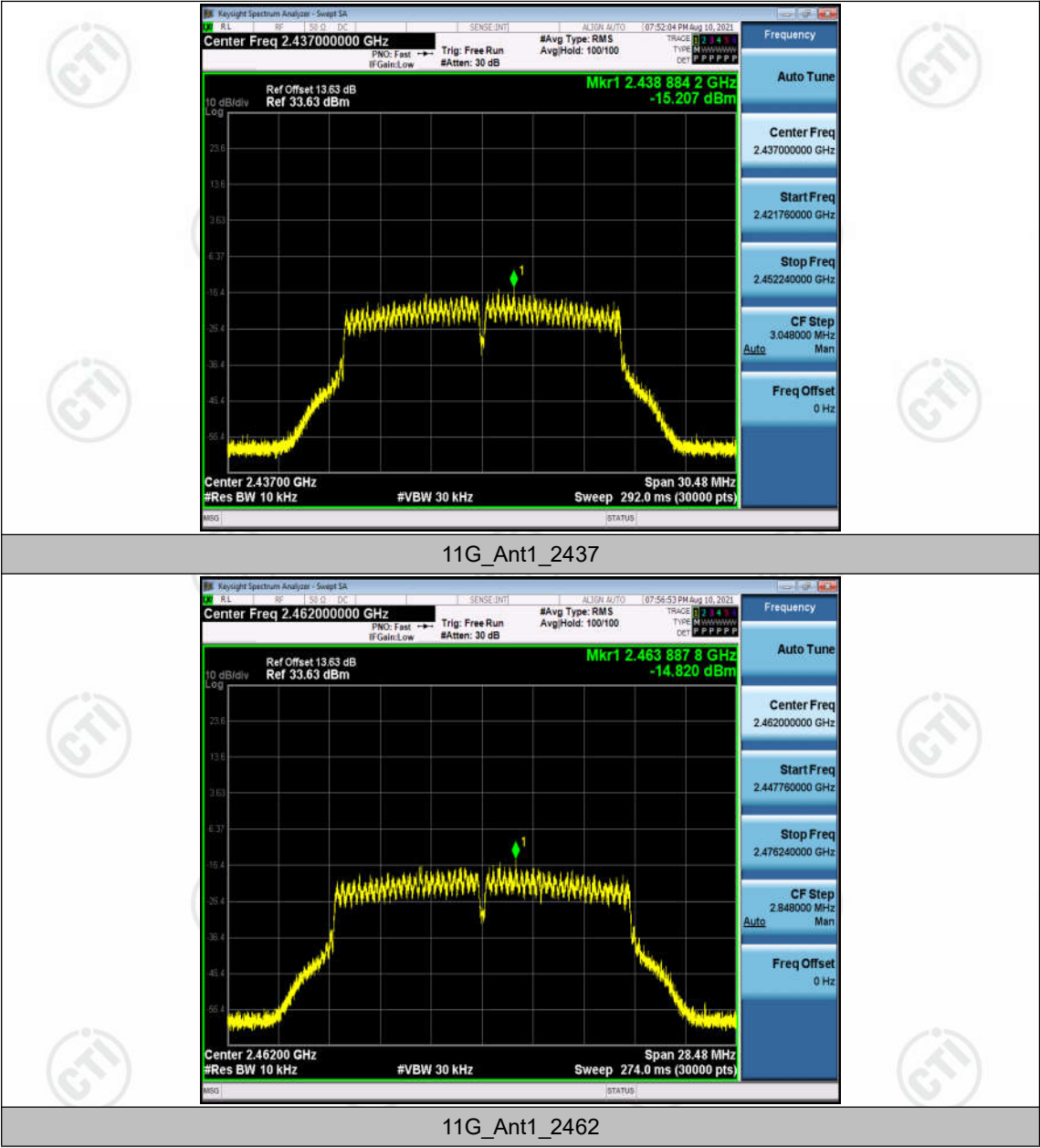
Test Result

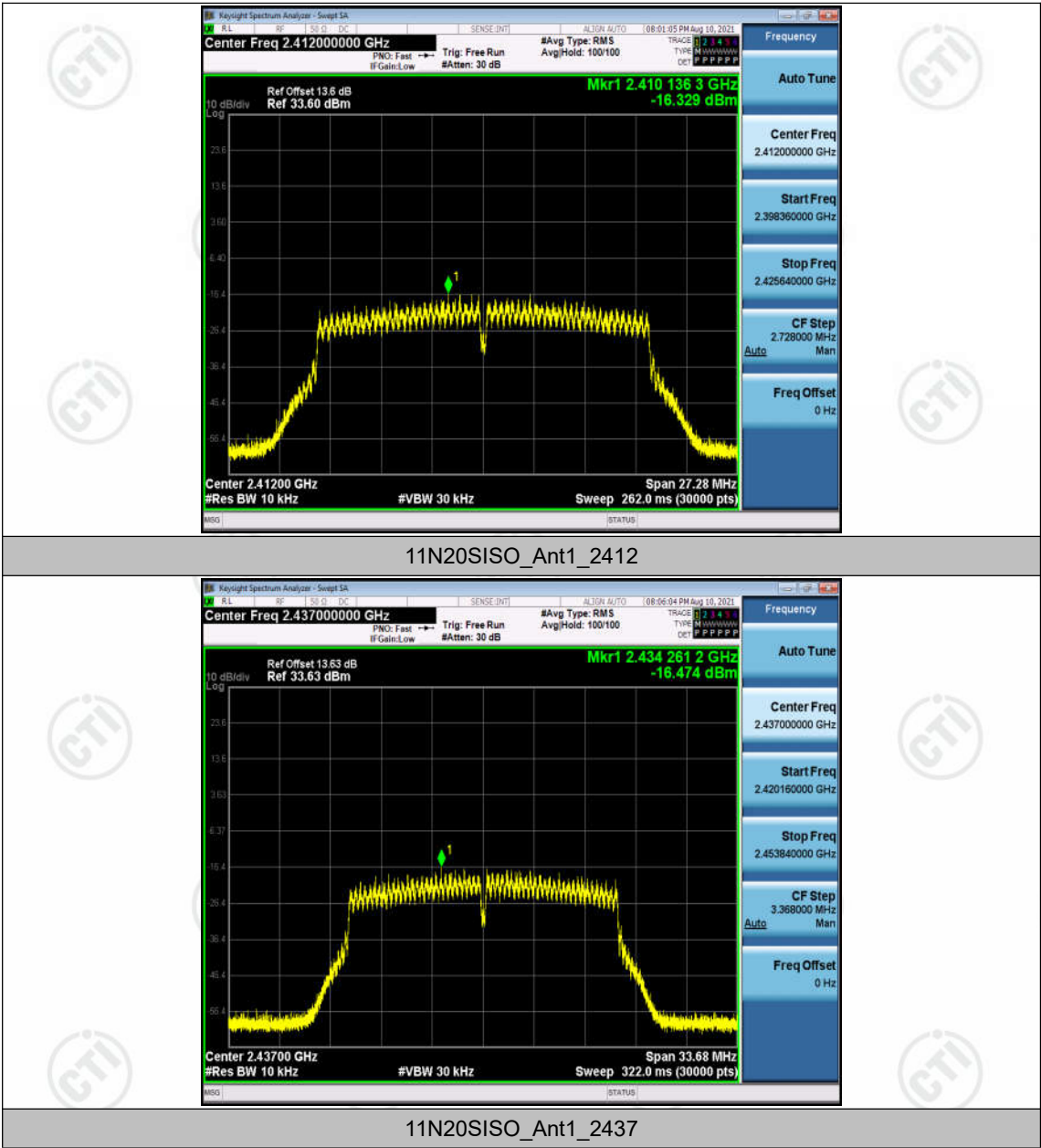
Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.33	<=8	PASS
		2437	-8.8	<=8	PASS
		2462	-8.68	<=8	PASS
11G	Ant1	2412	-16.42	<=8	PASS
		2437	-15.21	<=8	PASS
		2462	-14.82	<=8	PASS
11N20SISO	Ant1	2412	-16.33	<=8	PASS
		2437	-16.47	<=8	PASS
		2462	-16.3	<=8	PASS

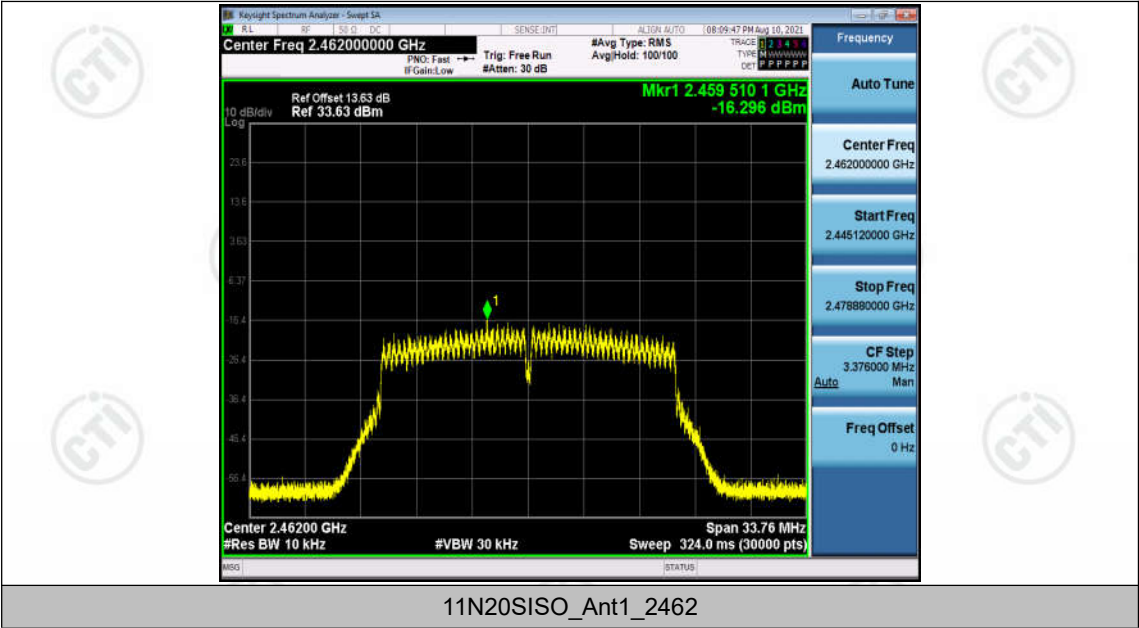
Test Graphs









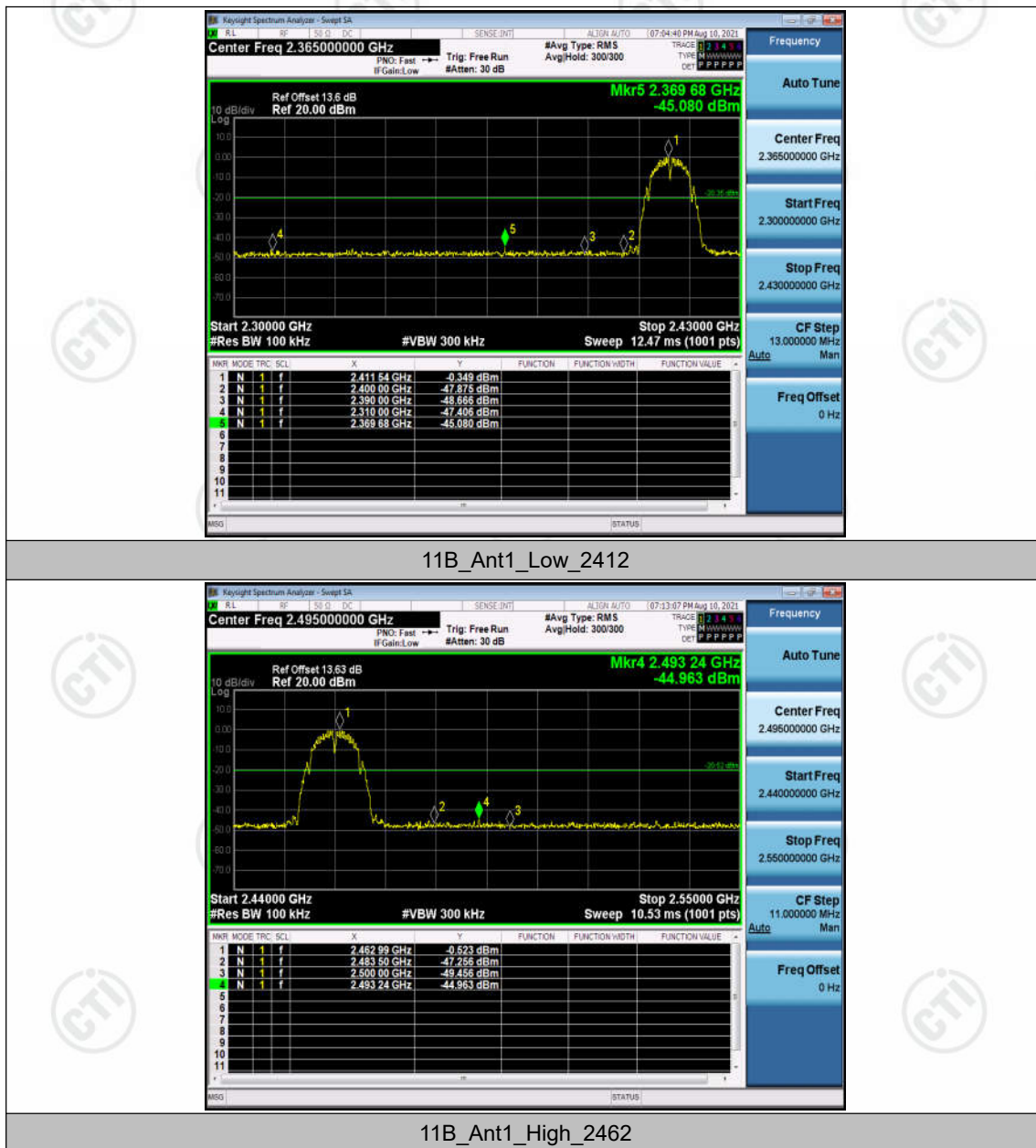


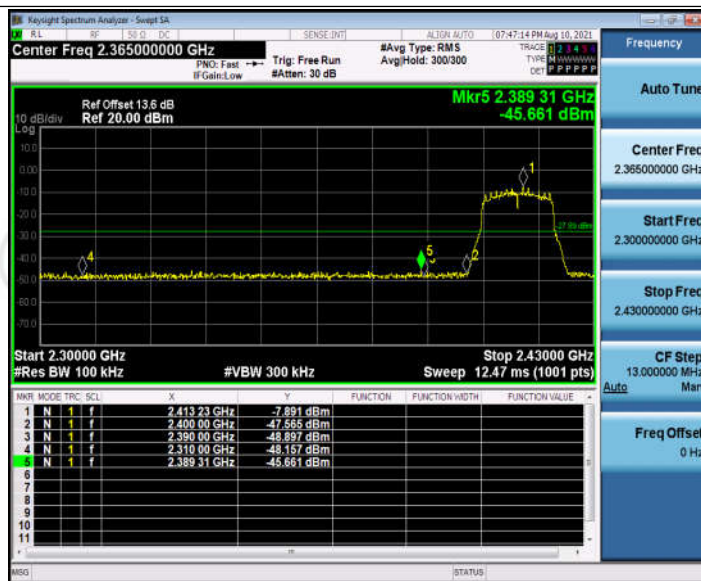
Appendix E:Band edge measurements

Test Result

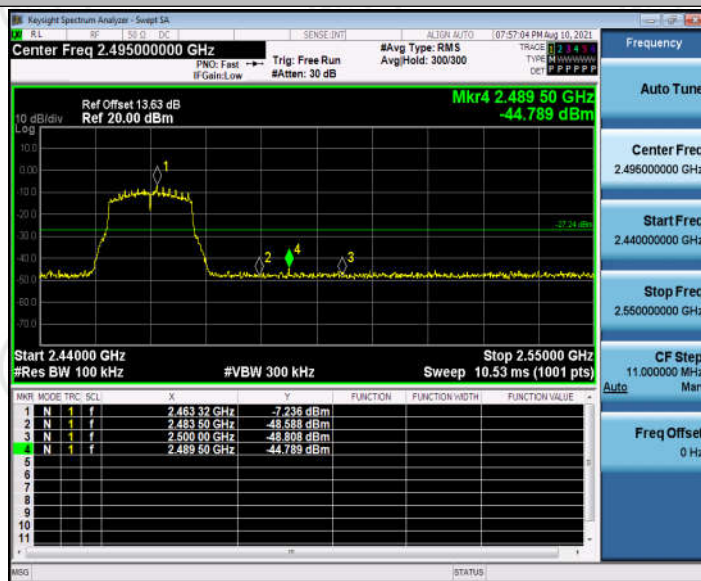
Test Mode	Antenna	Ch Name	Channel	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	-0.35	-45.08	<=-20.35	PASS
		High	2462	-0.52	-44.96	<=-20.52	PASS
11G	Ant1	Low	2412	-7.89	-45.66	<=-27.89	PASS
		High	2462	-7.24	-44.79	<=-27.24	PASS
11N20SISO	Ant1	Low	2412	-8.10	-45.63	<=-28.1	PASS
		High	2462	-8.80	-45.4	<=-28.8	PASS

Test Graphs

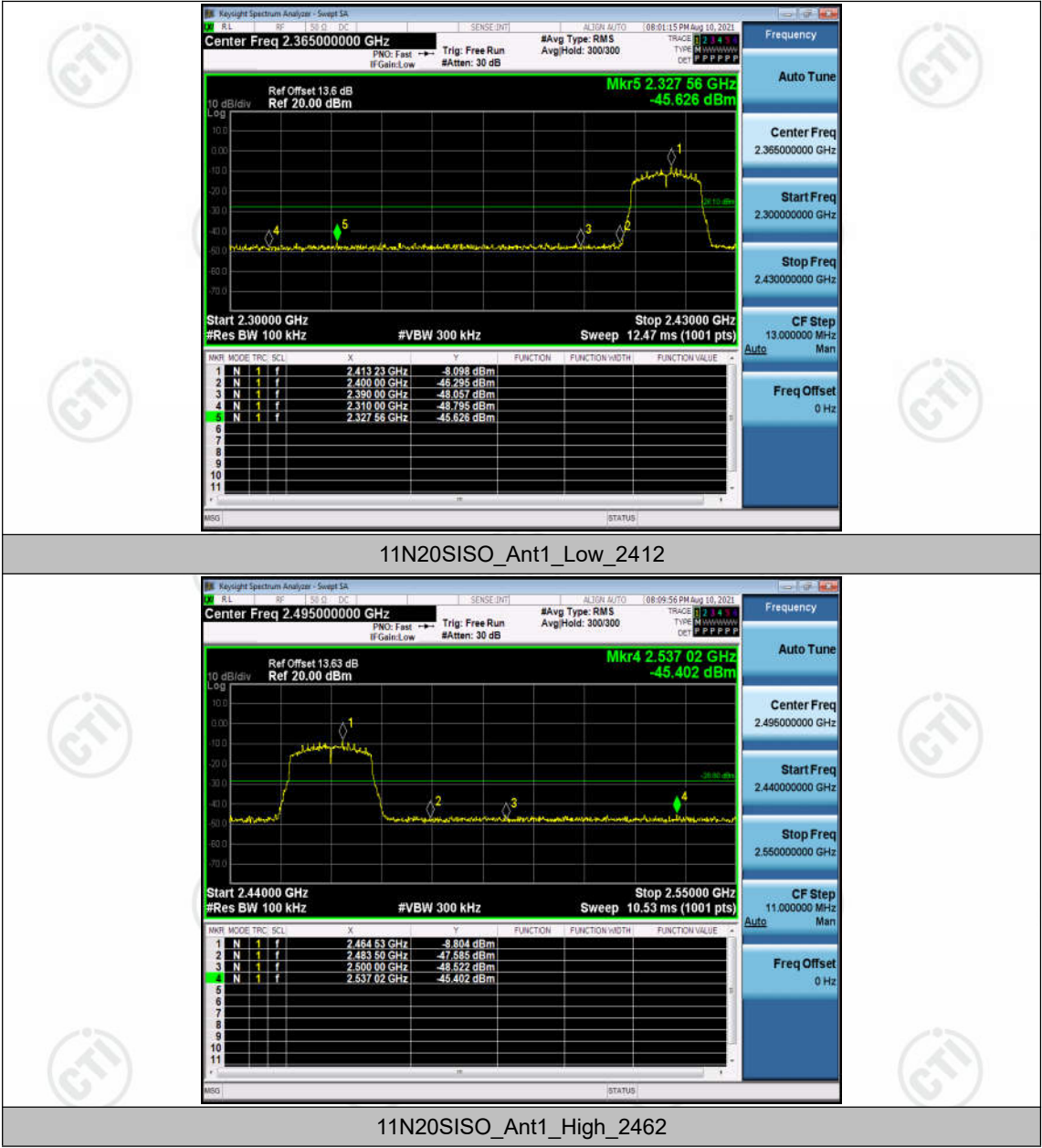




11G_Ant1_Low_2412



11G_Ant1_High_2462

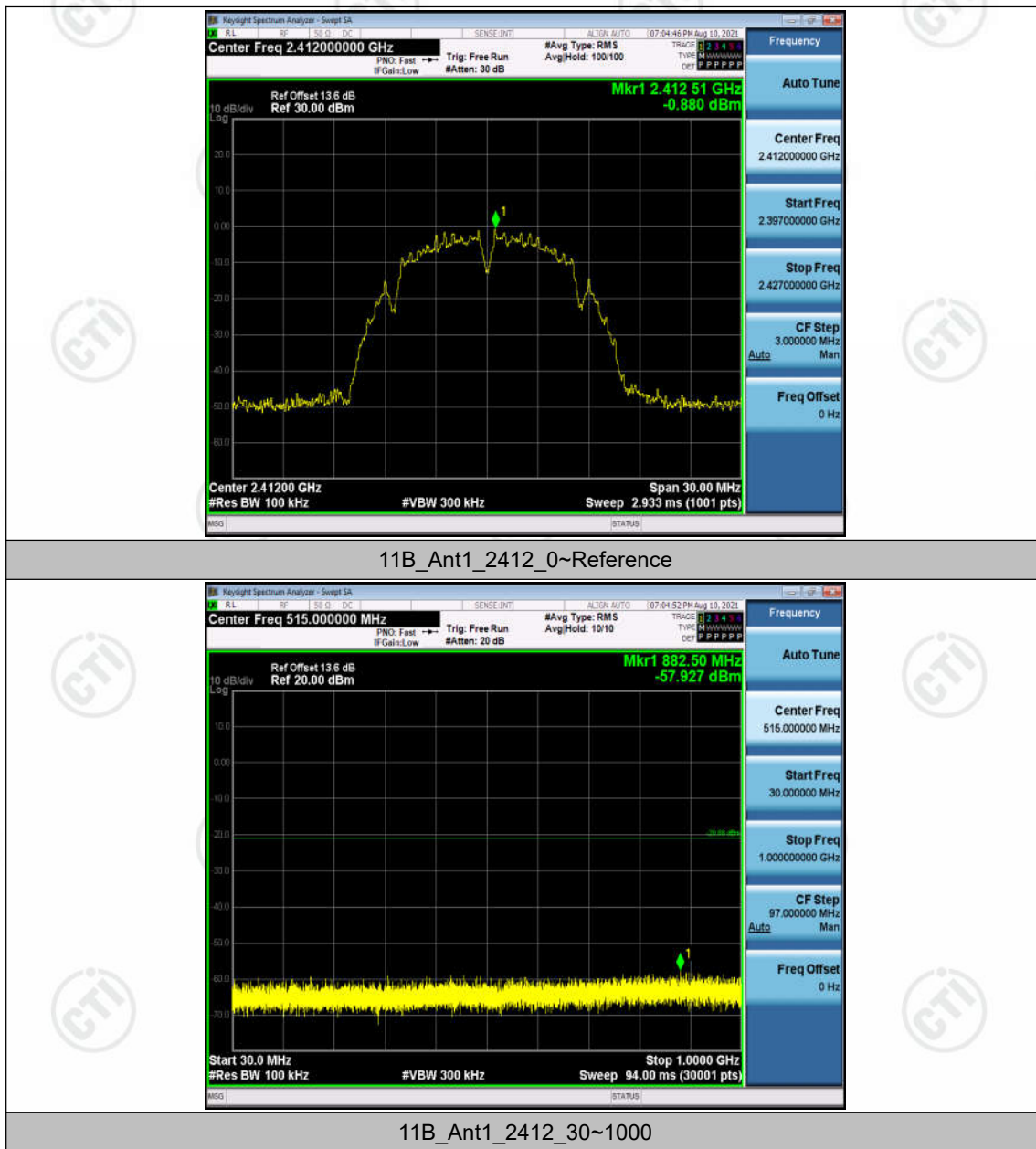


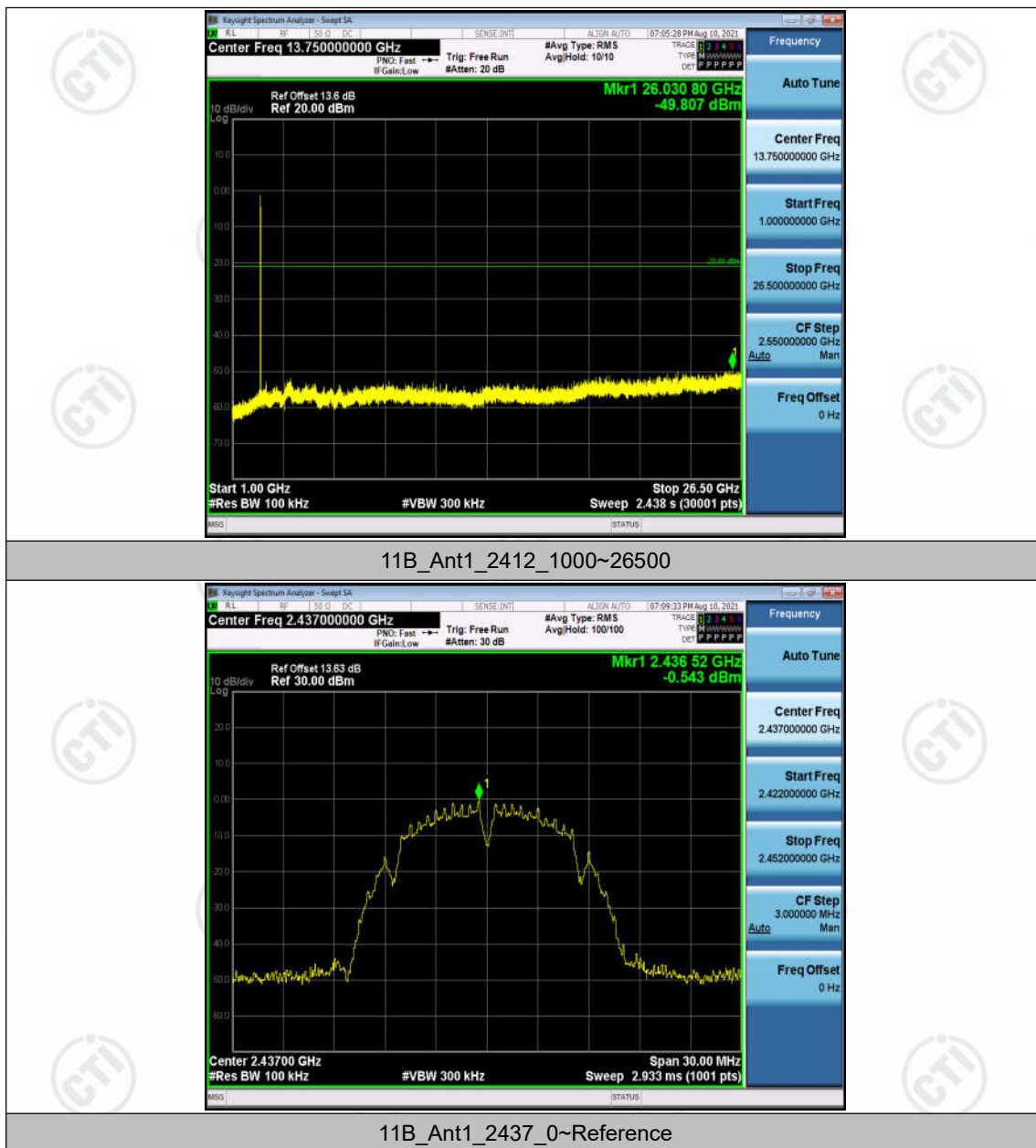
Appendix F:Conducted Spurious Emission

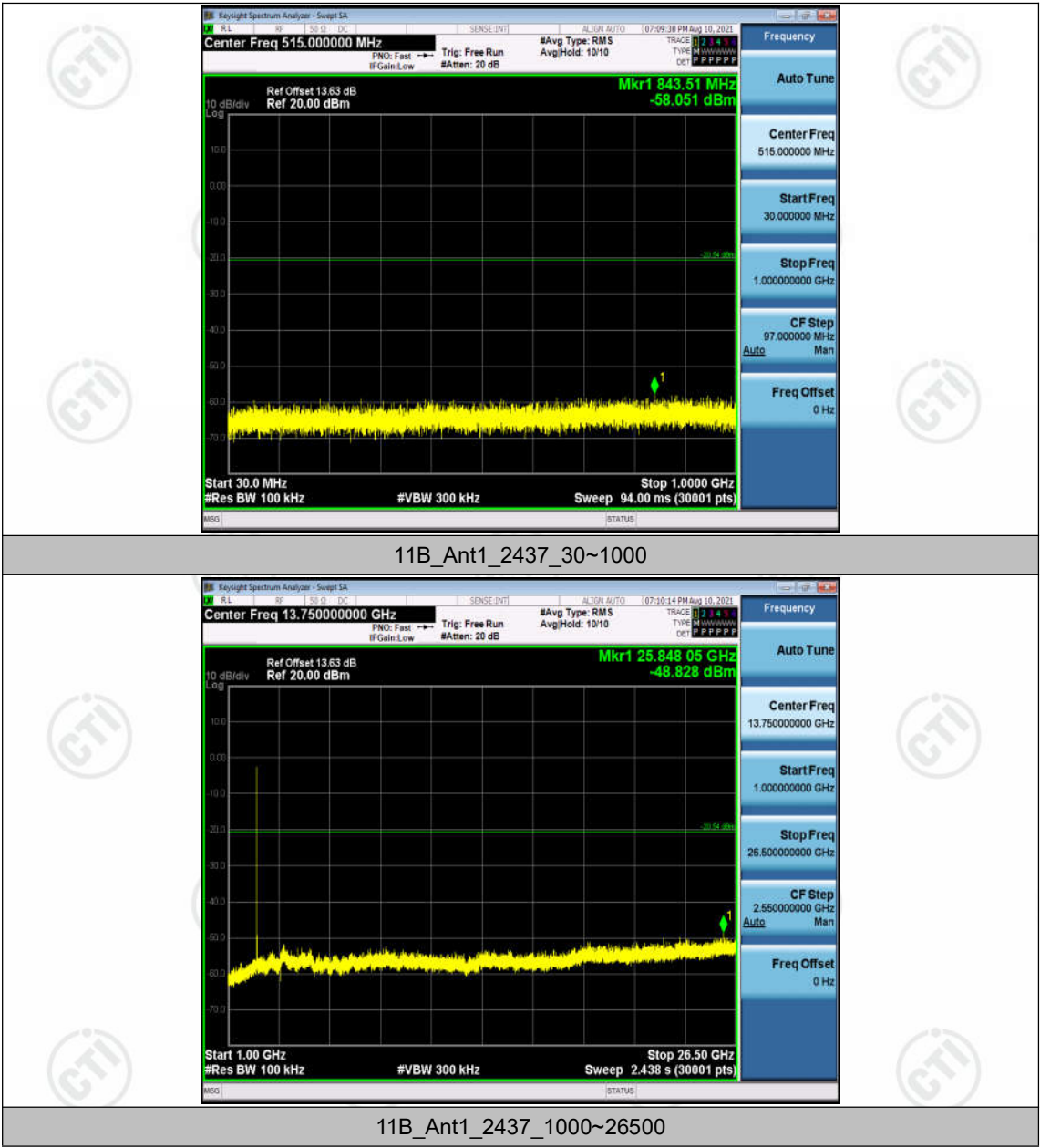
Test Result

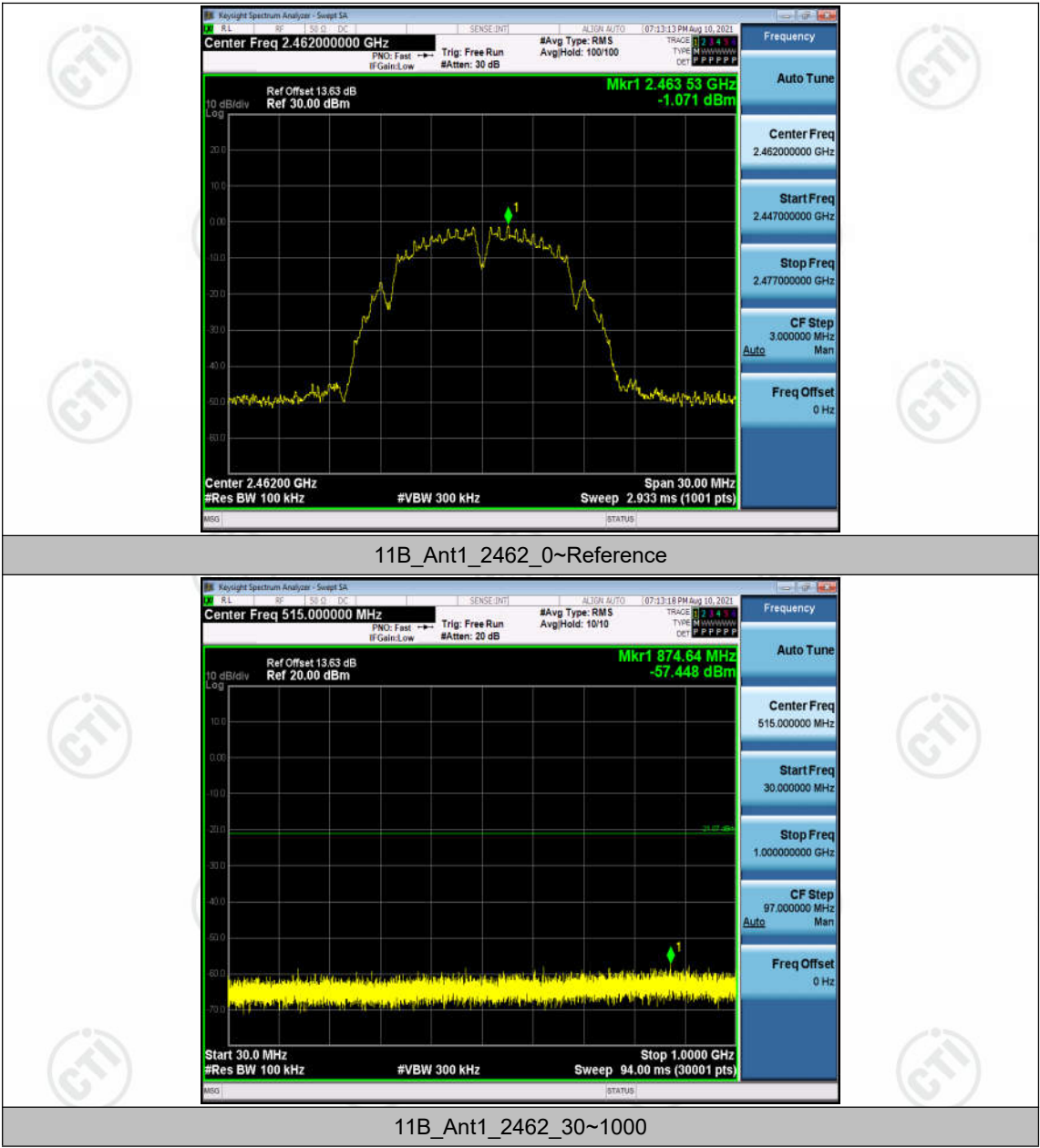
Test Mode	Antenna	Channel	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-0.88	-0.88	---	PASS
			30~1000	30~1000	-57.927	<=-20.88	PASS
			1000~26500	1000~26500	-49.807	<=-20.88	PASS
		2437	Reference	-0.54	-0.54	---	PASS
			30~1000	30~1000	-58.051	<=-20.543	PASS
			1000~26500	1000~26500	-48.828	<=-20.543	PASS
		2462	Reference	-1.07	-1.07	---	PASS
			30~1000	30~1000	-57.448	<=-21.071	PASS
			1000~26500	1000~26500	-49.618	<=-21.071	PASS
11G	Ant1	2412	Reference	-8.15	-8.15	---	PASS
			30~1000	30~1000	-58.085	<=-28.148	PASS
			1000~26500	1000~26500	-49.438	<=-28.148	PASS
		2437	Reference	-8.29	-8.29	---	PASS
			30~1000	30~1000	-57.264	<=-28.29	PASS
			1000~26500	1000~26500	-48.93	<=-28.29	PASS
		2462	Reference	-7.58	-7.58	---	PASS
			30~1000	30~1000	-57.562	<=-27.579	PASS
			1000~26500	1000~26500	-49.407	<=-27.579	PASS
11N20SISO	Ant1	2412	Reference	-10.07	-10.07	---	PASS
			30~1000	30~1000	-57.666	<=-30.065	PASS
			1000~26500	1000~26500	-49.449	<=-30.065	PASS
		2437	Reference	-8.07	-8.07	---	PASS
			30~1000	30~1000	-49.58	<=-28.066	PASS
			1000~26500	1000~26500	-47.665	<=-28.066	PASS
		2462	Reference	-8.86	-8.86	---	PASS
			30~1000	30~1000	-57.405	<=-28.864	PASS
			1000~26500	1000~26500	-49.325	<=-28.864	PASS

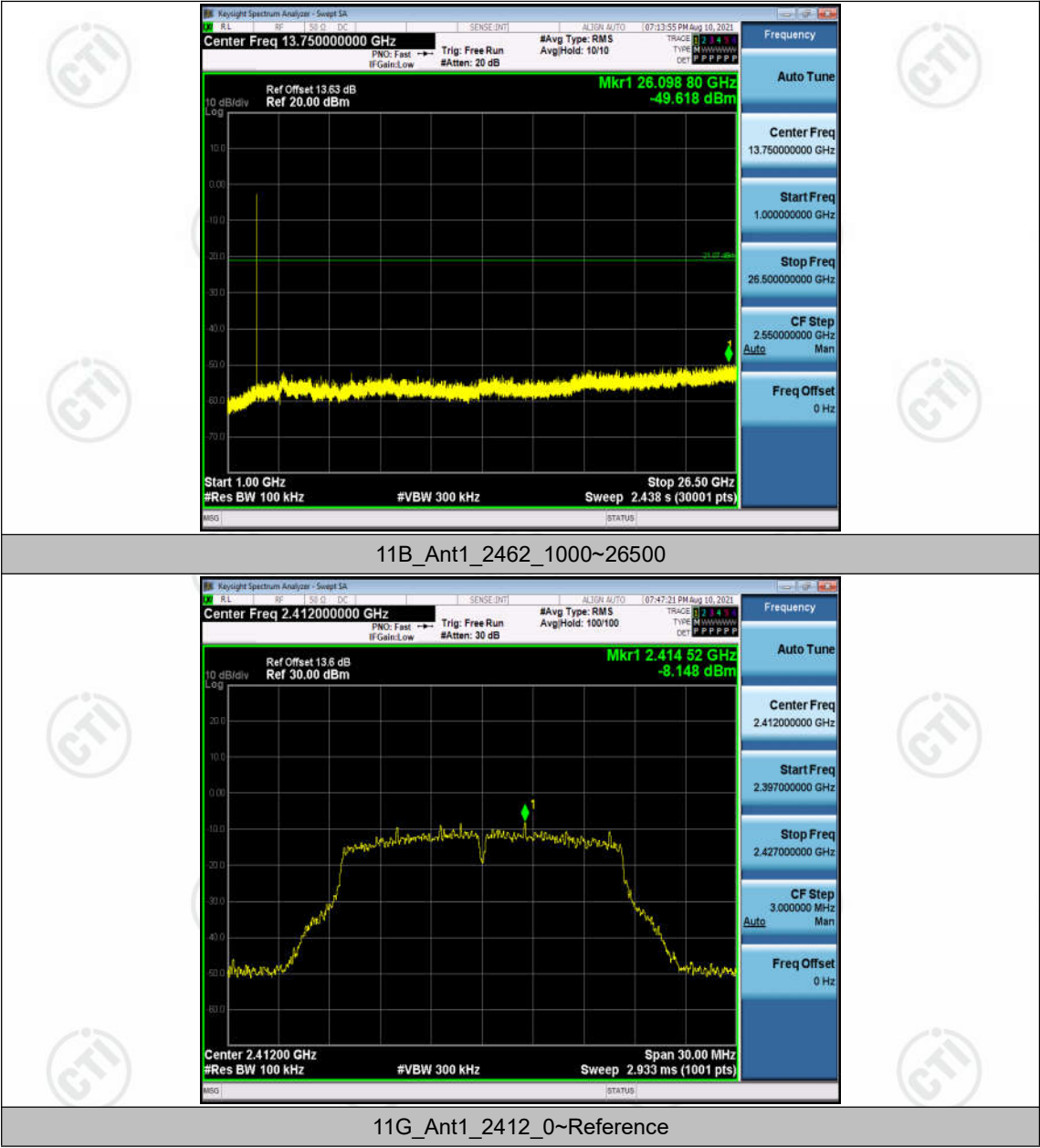
Test Graphs

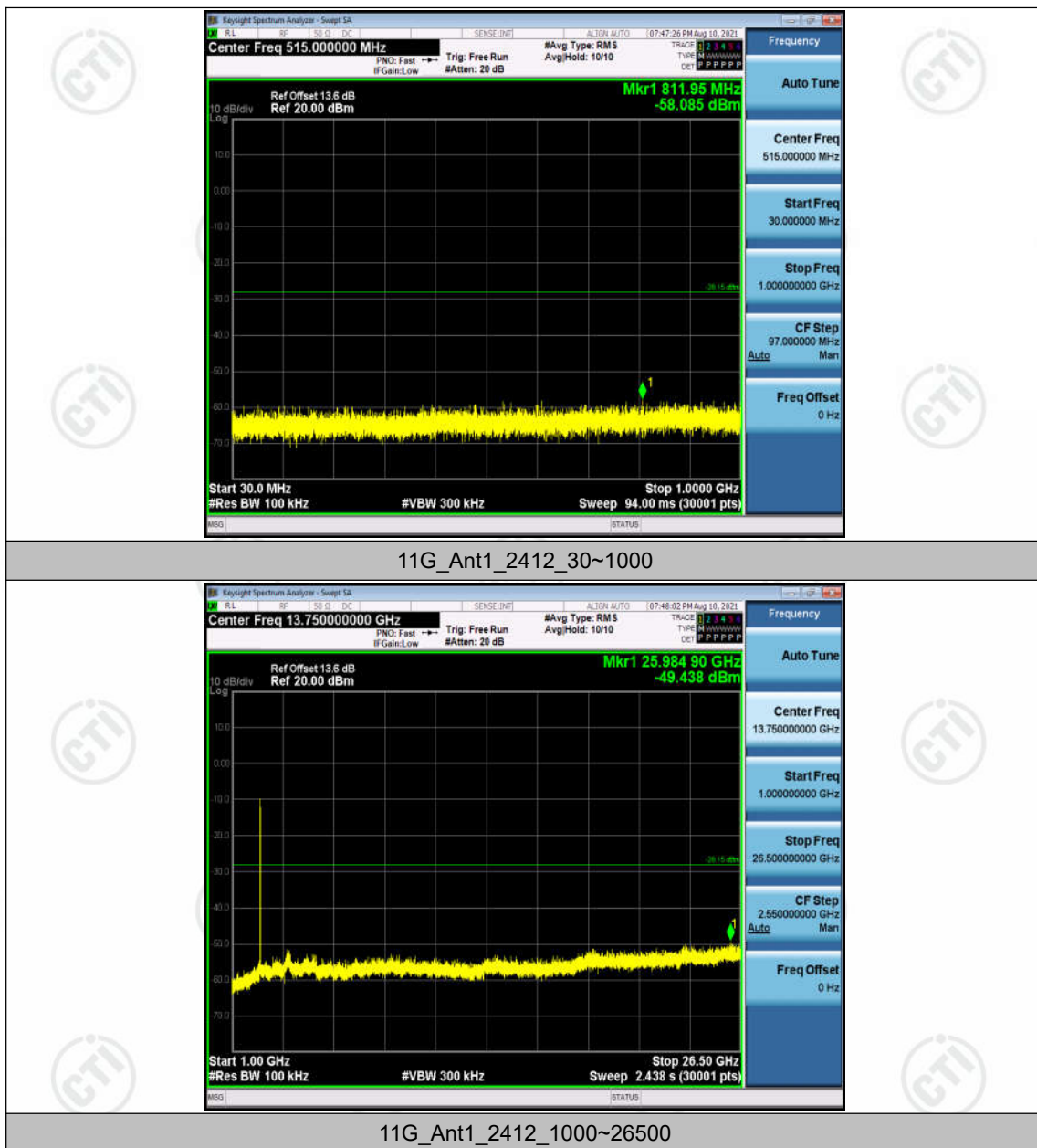










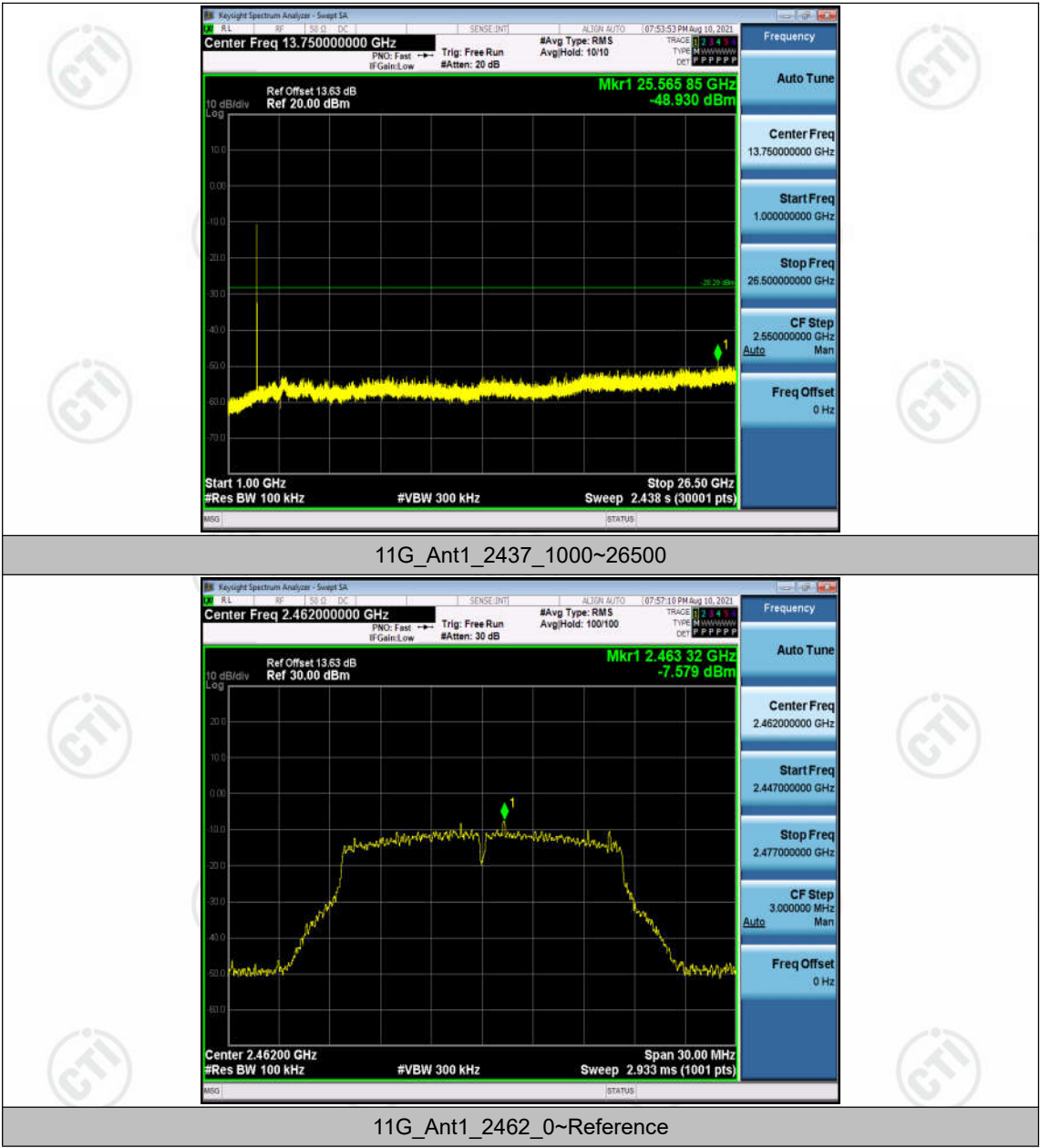


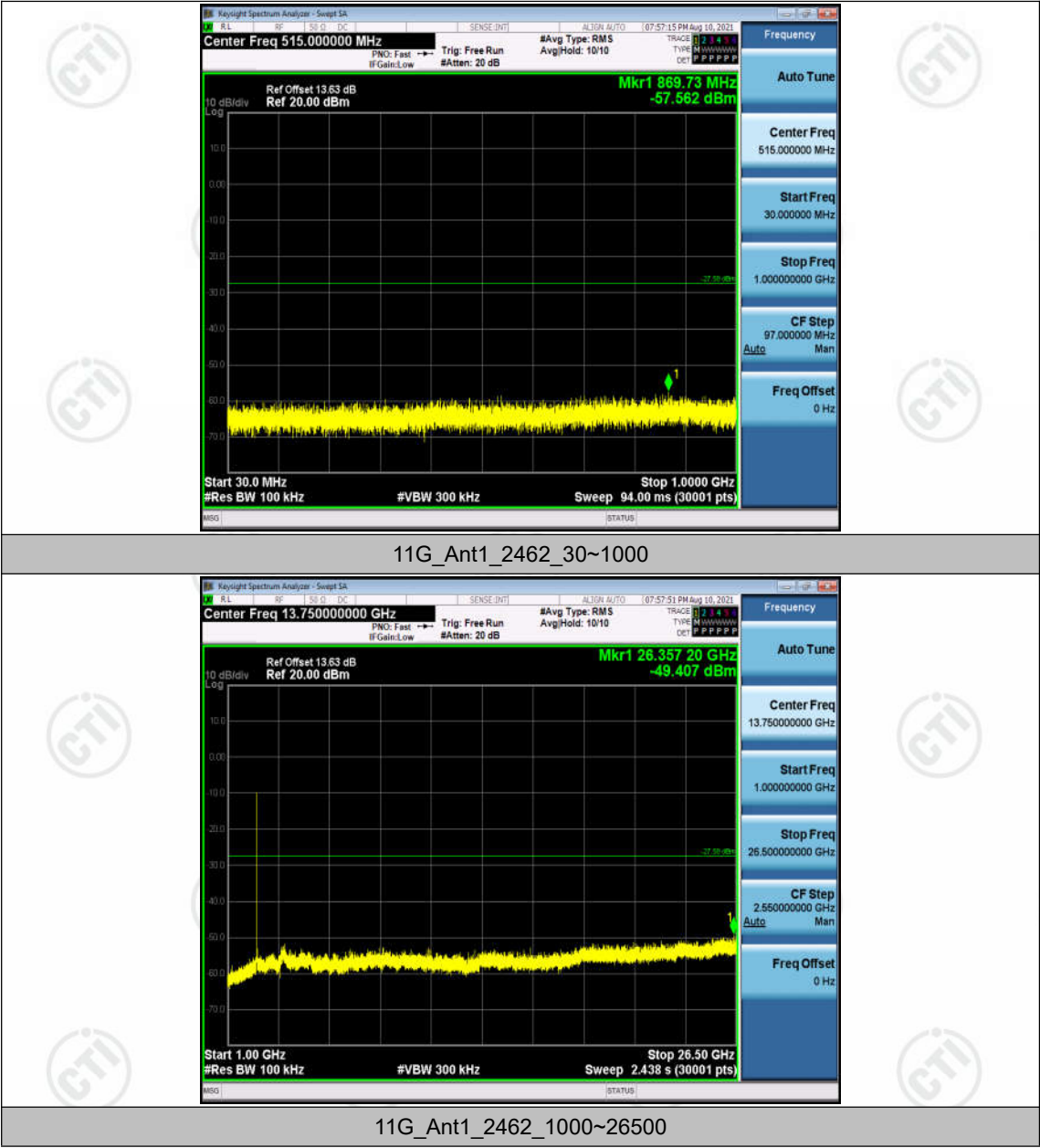


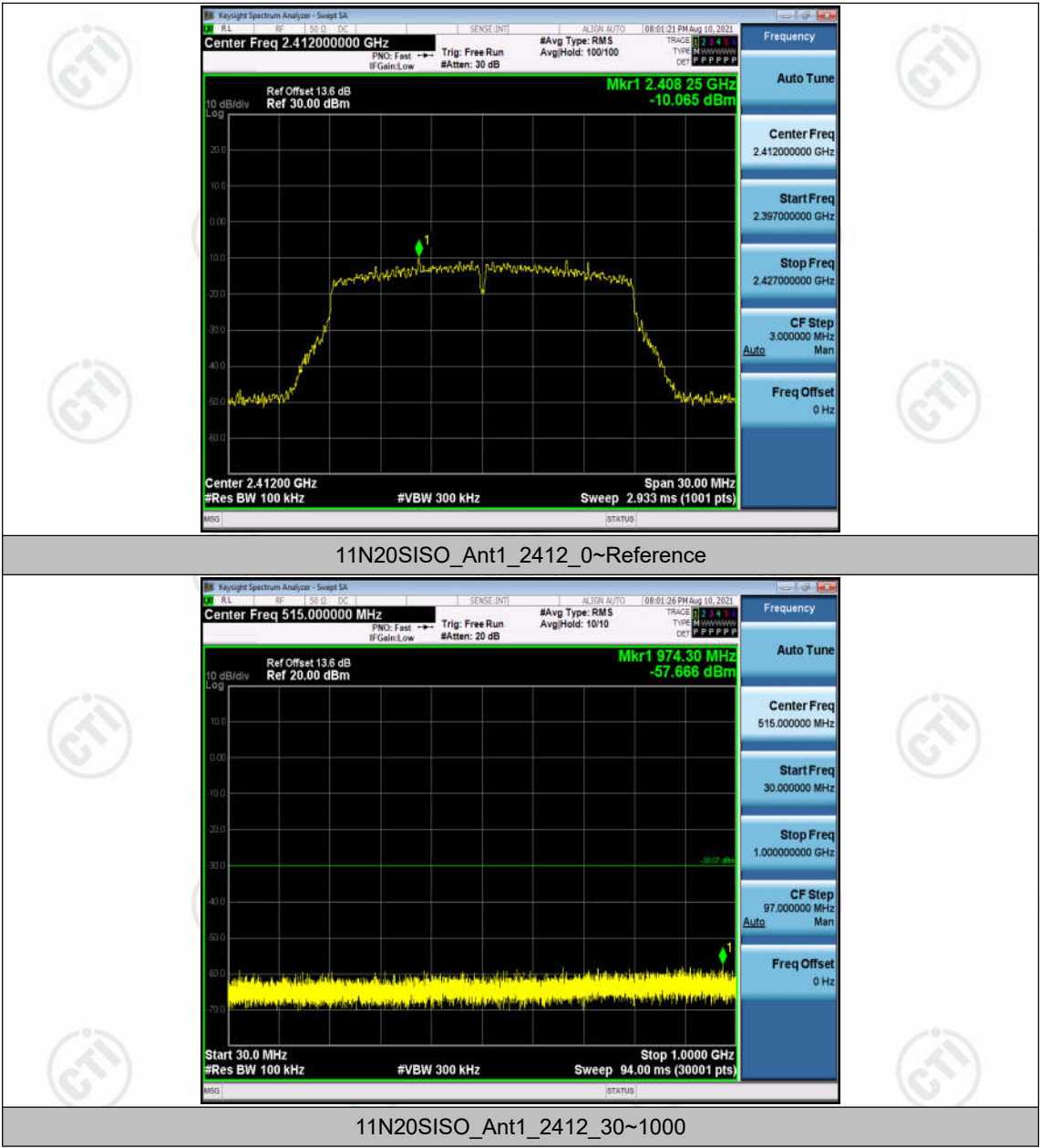
11G_Ant1_2437_0~Reference

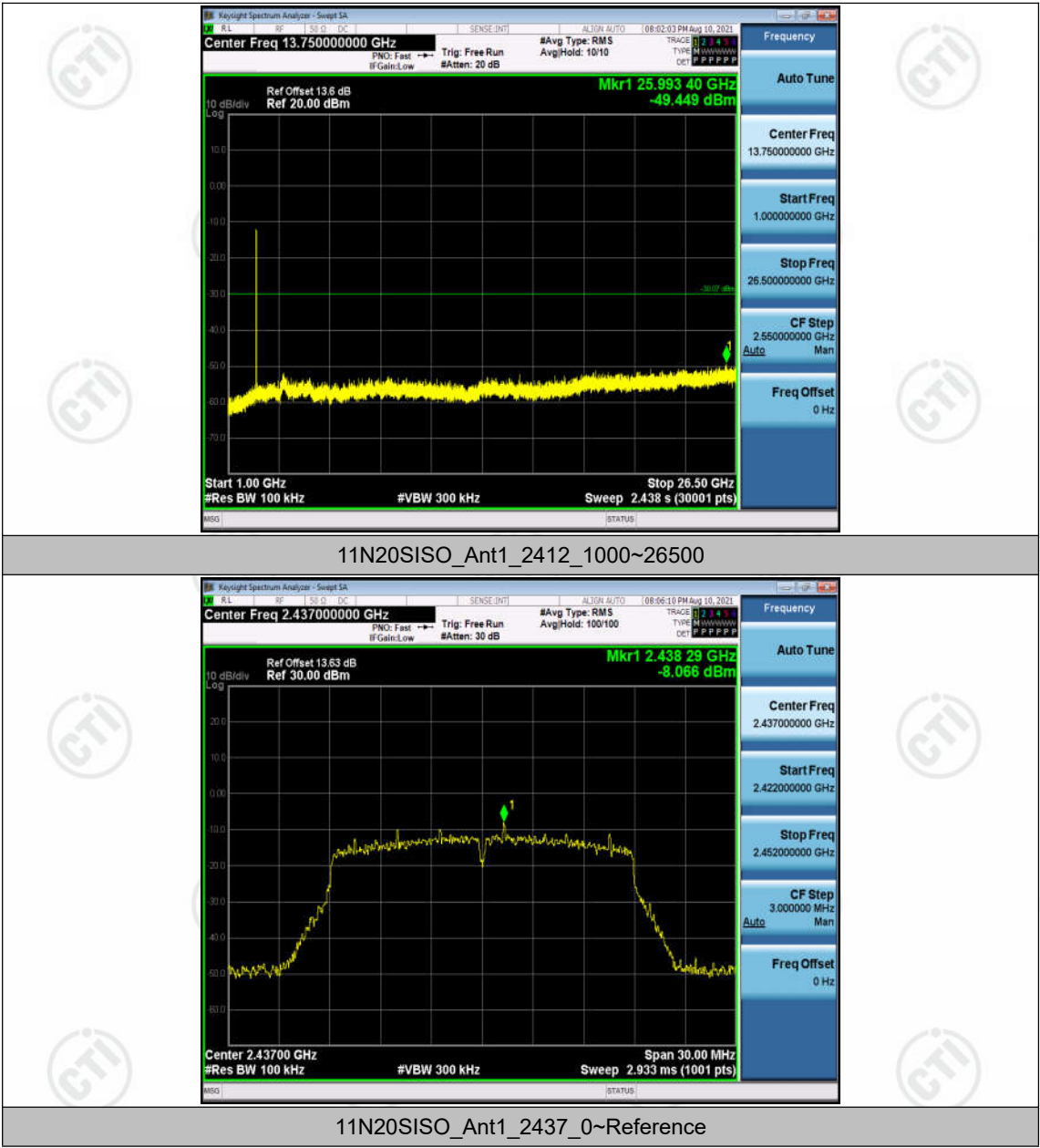


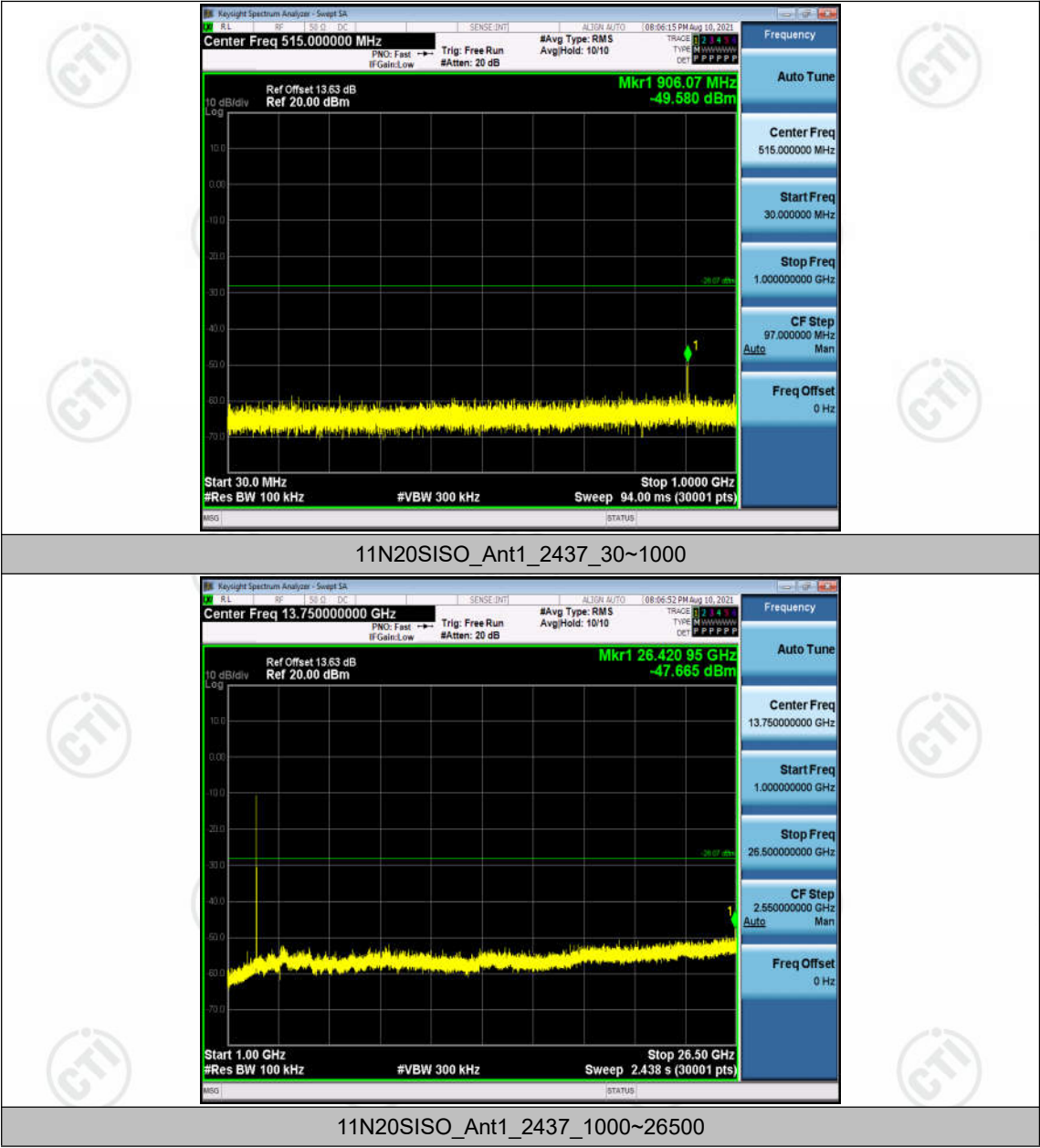
11G_Ant1_2437_30~1000

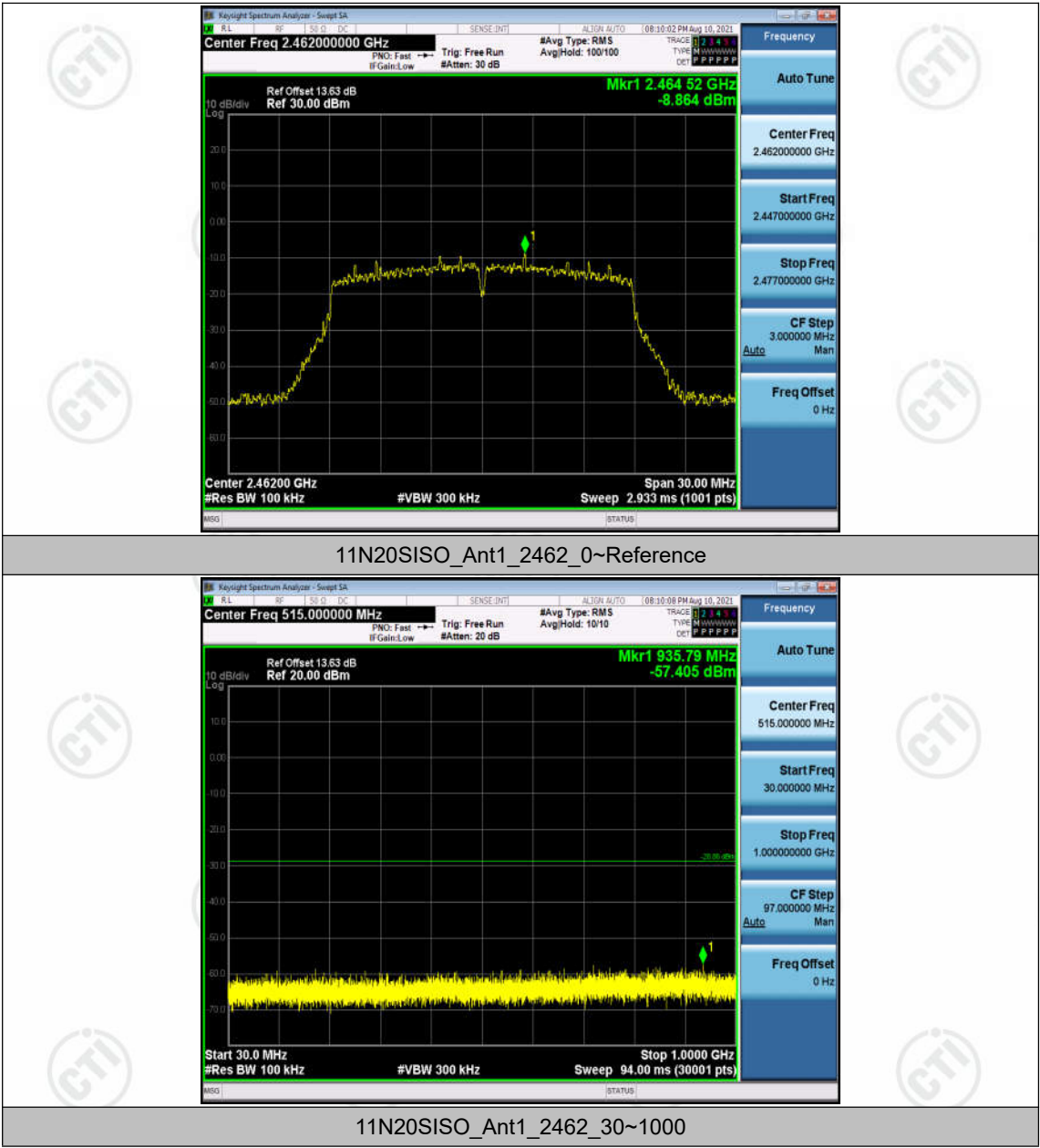


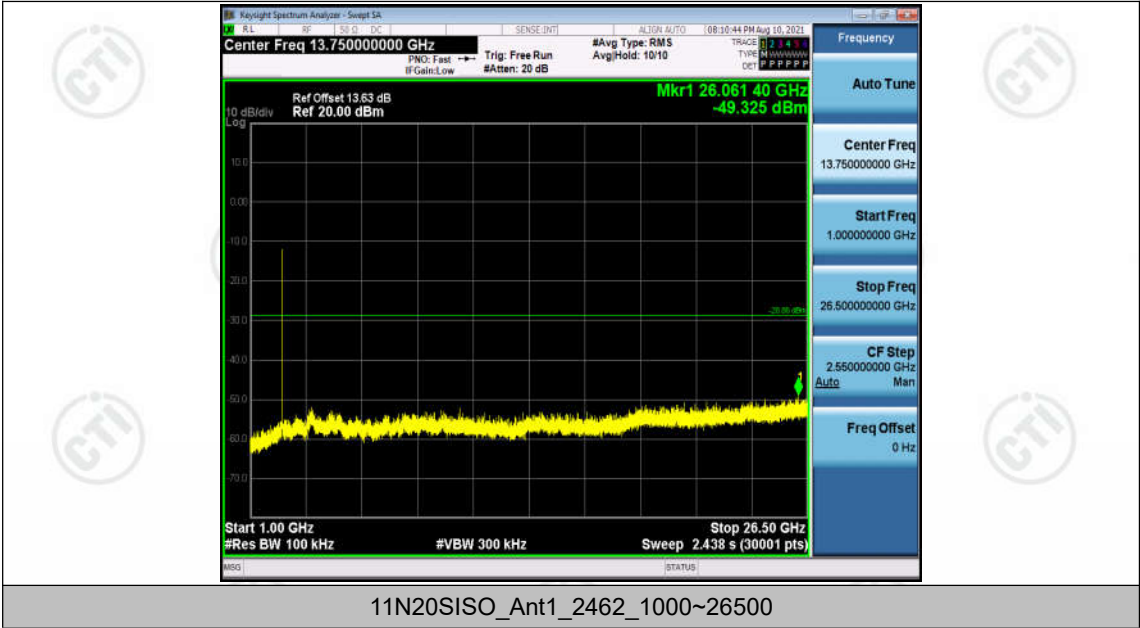










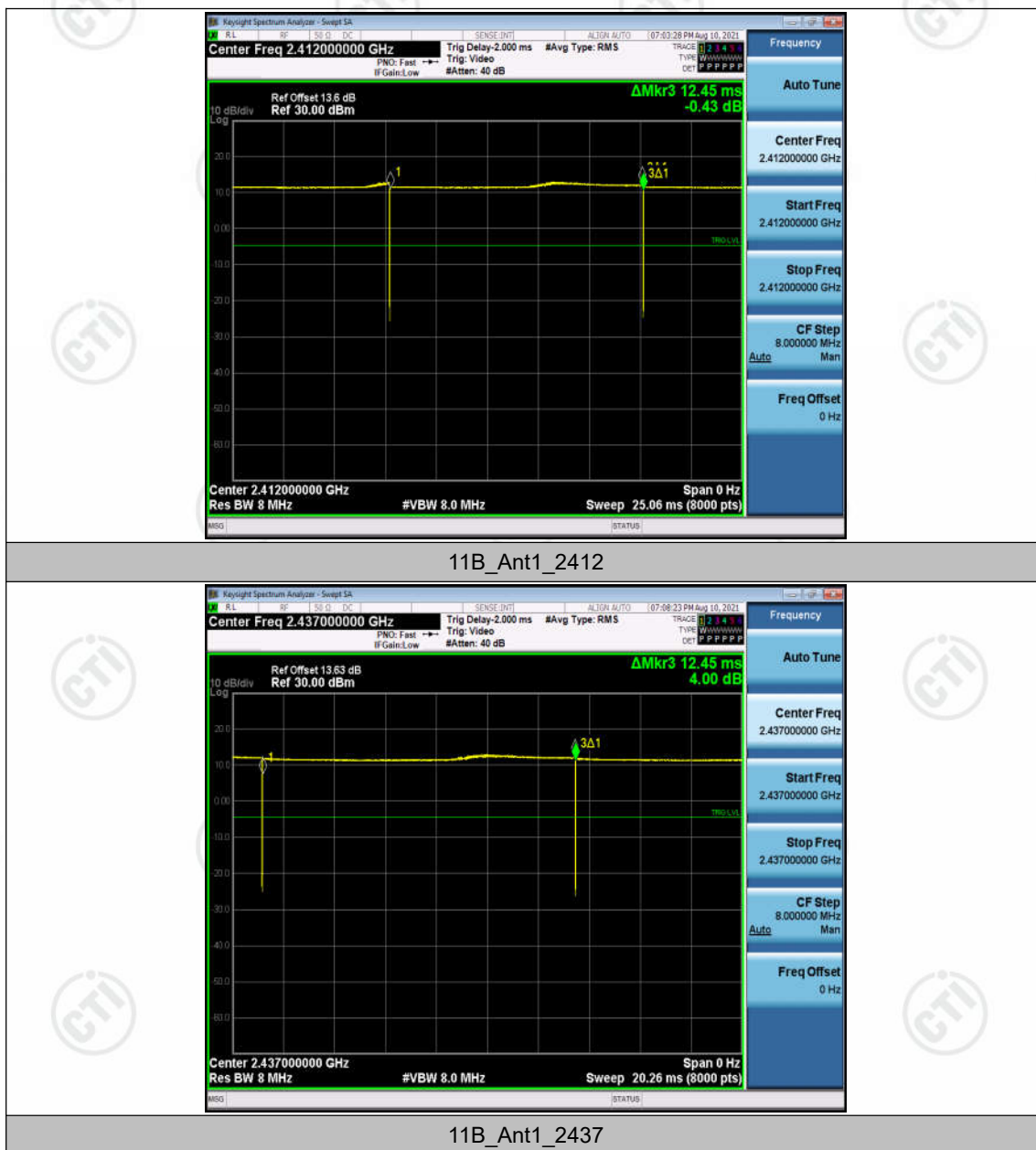


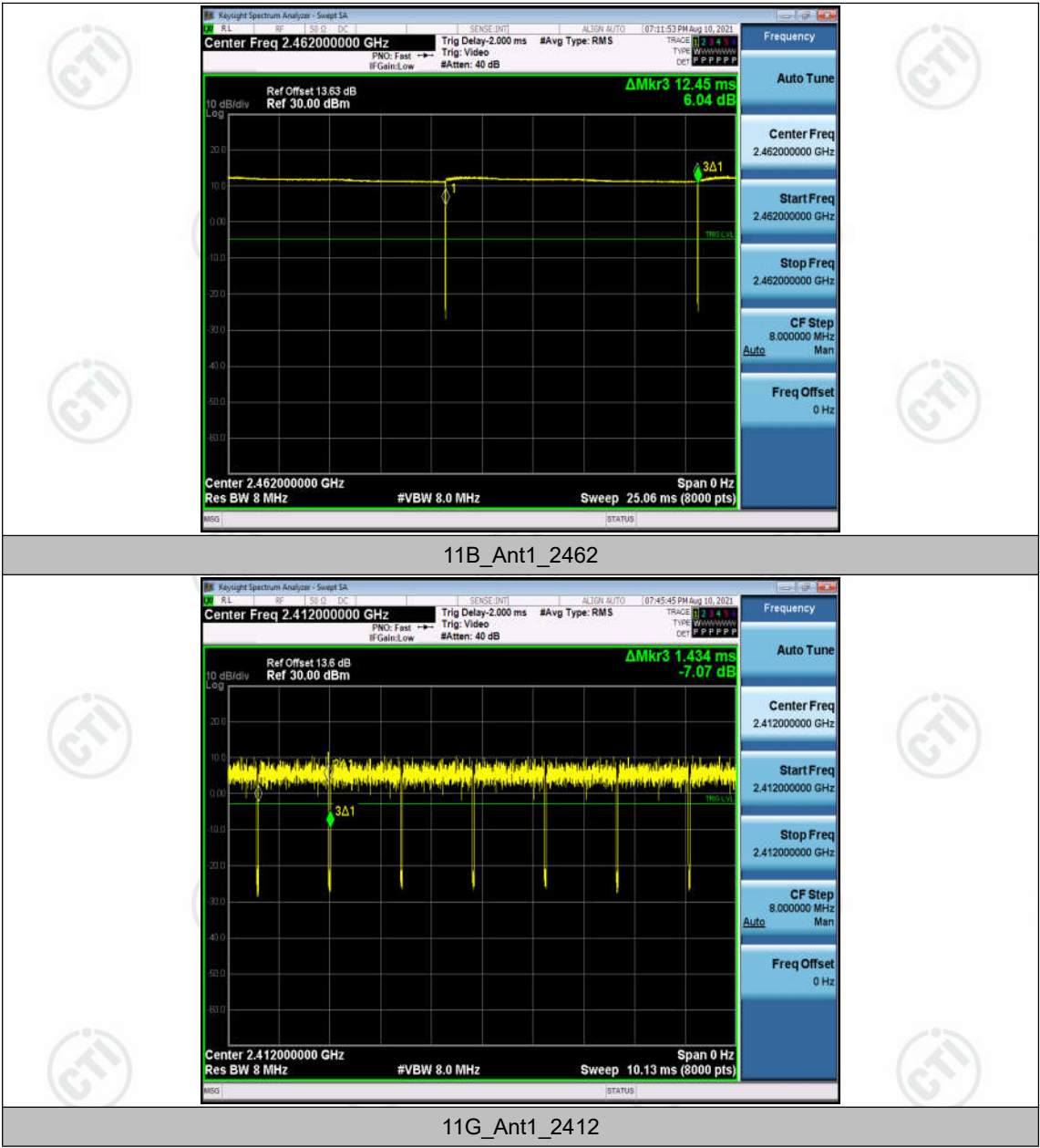
Appendix G: Duty Cycle

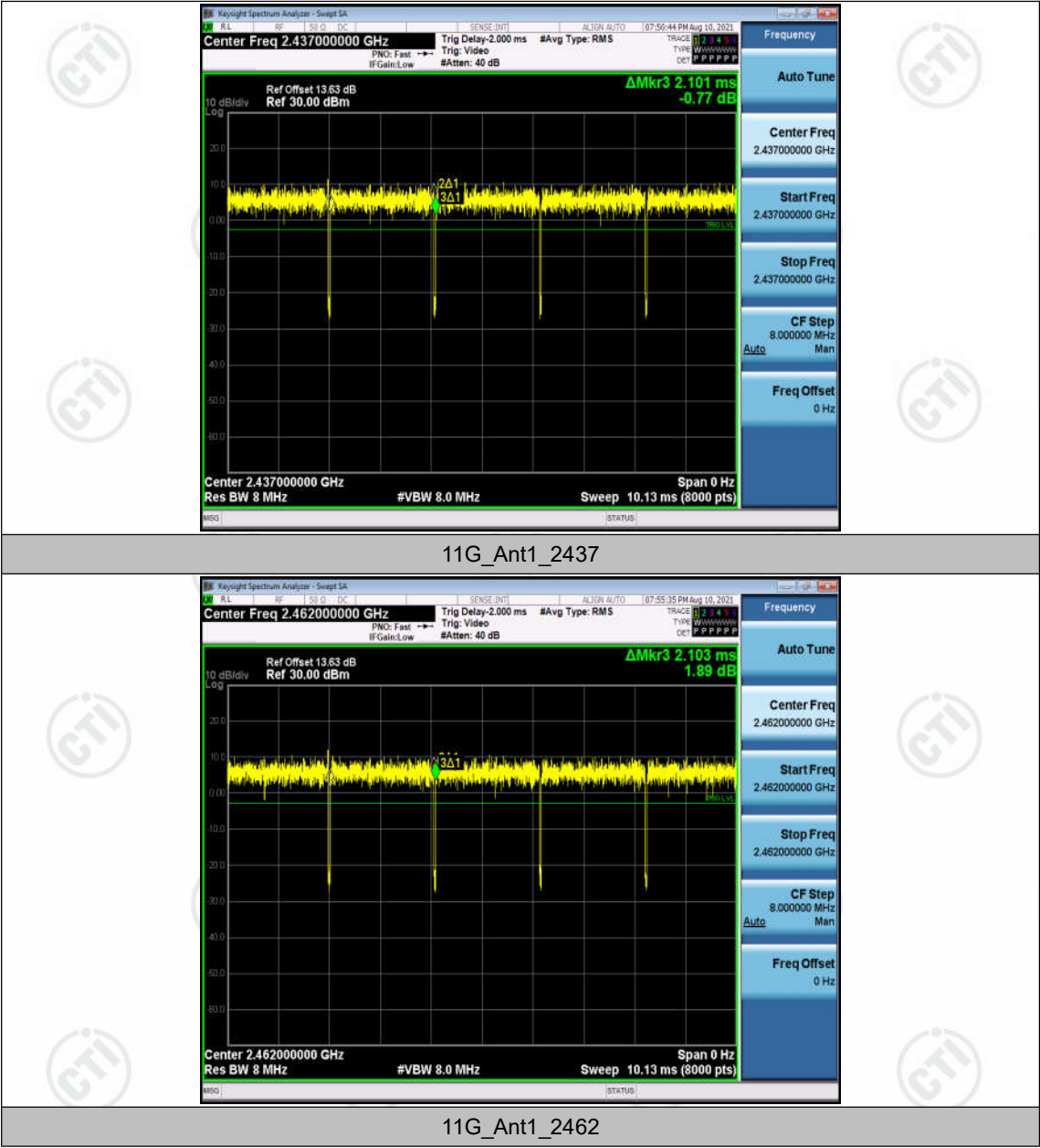
Test Result

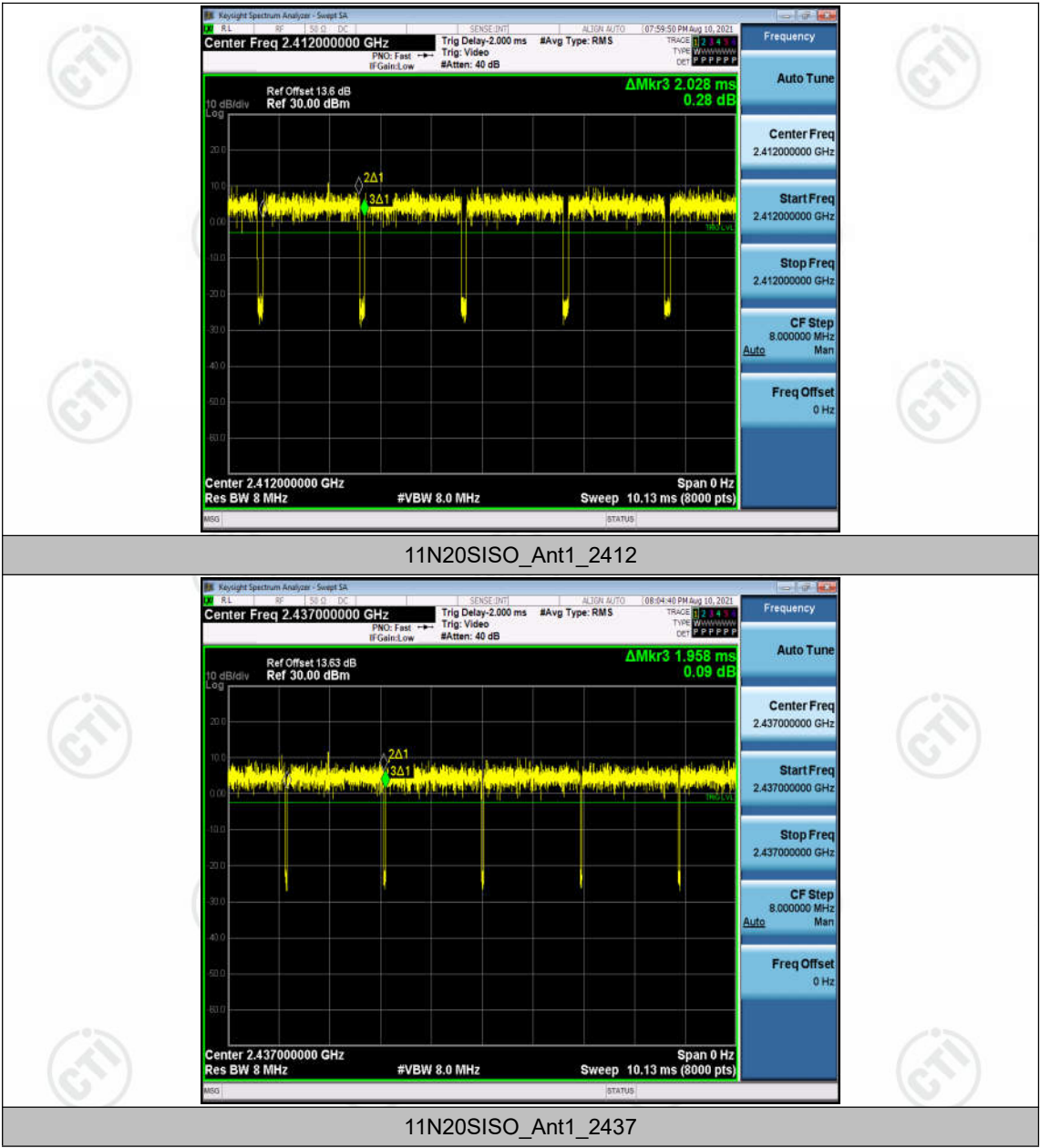
Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	12.41	12.45	99.70	---	PASS
		2437	12.41	12.45	99.72	---	PASS
		2462	12.41	12.45	99.70	---	PASS
11G	Ant1	2412	1.39	1.43	97.17	---	PASS
		2437	2.06	2.10	98.07	---	PASS
		2462	2.06	2.10	98.07	---	PASS
11N20SISO	Ant1	2412	1.92	2.03	94.57	---	PASS
		2437	1.92	1.96	97.93	---	PASS
		2462	1.92	1.96	97.93	---	PASS

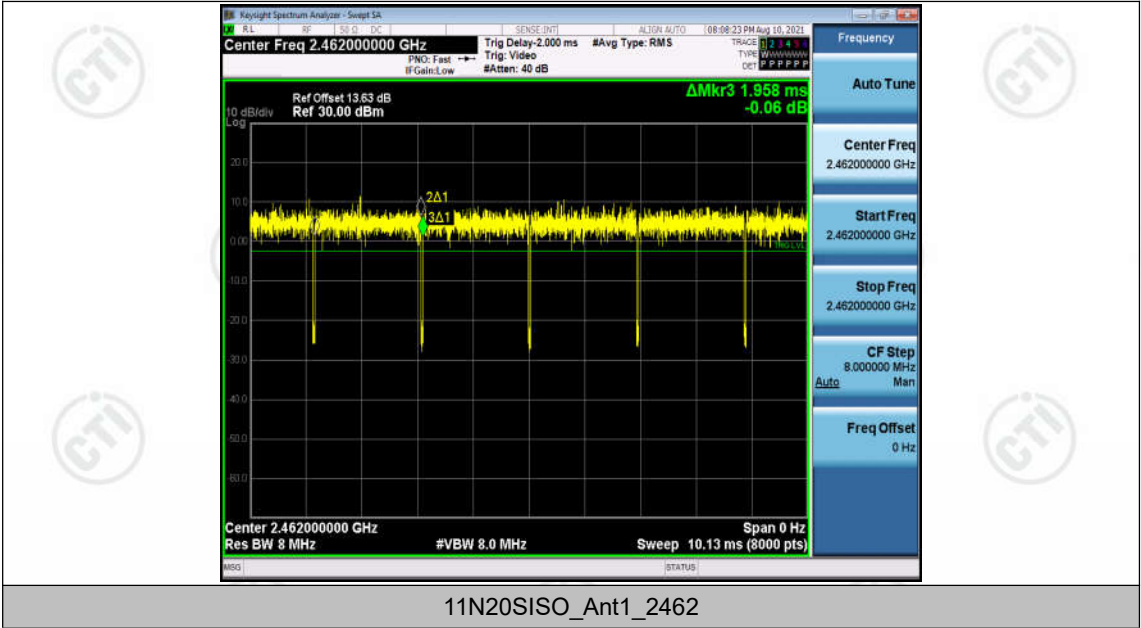
Test Graphs











*** End of Report ***