

Appendix: 2.4G WIFI

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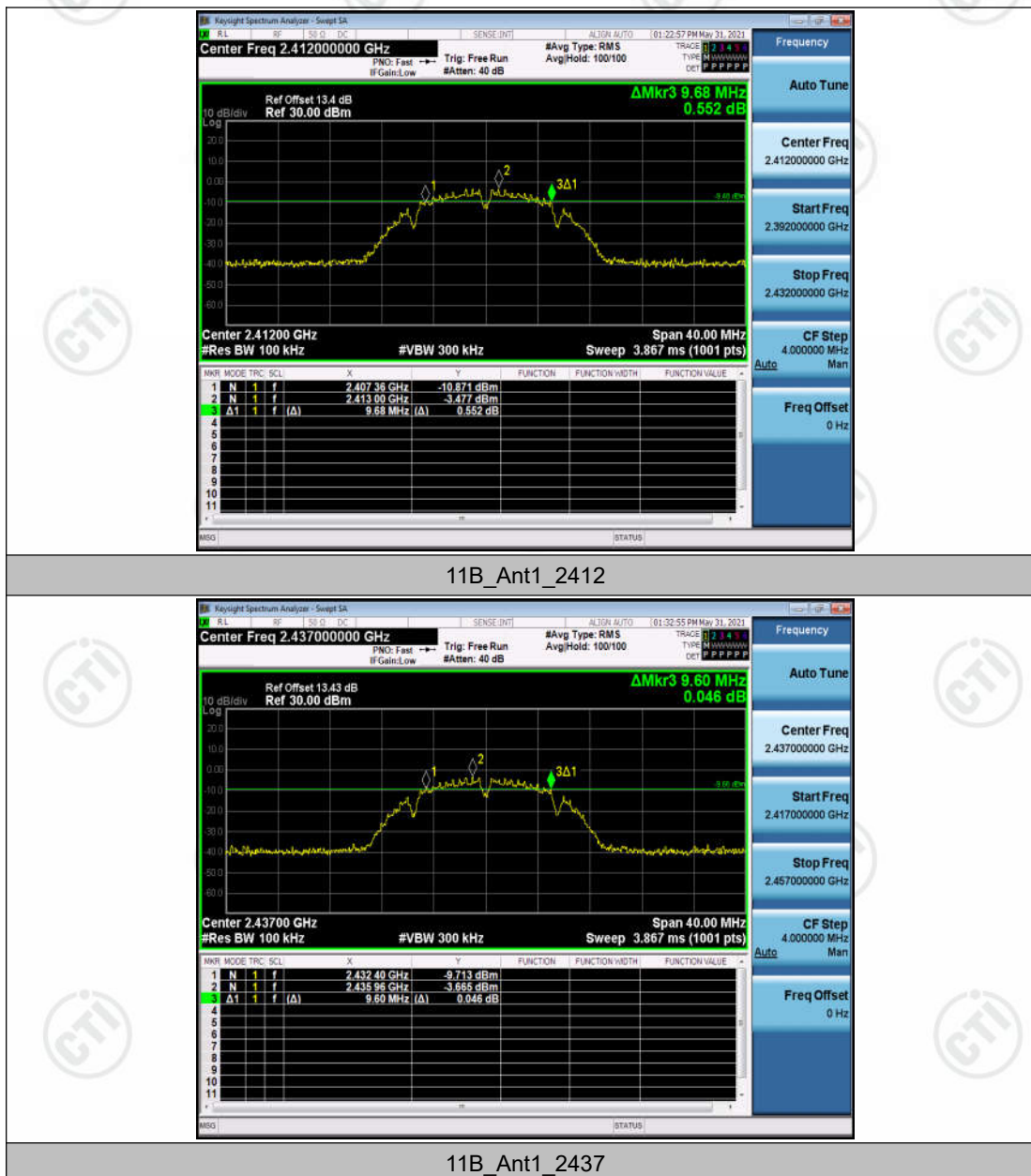
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Appendix A: DTS Bandwidth

Test Result

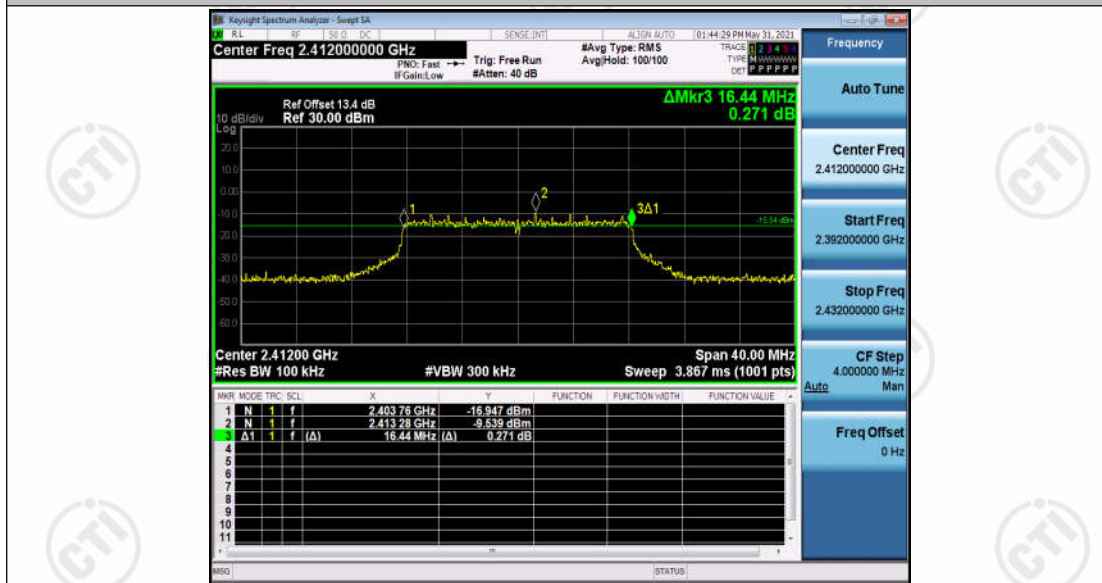
Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.680	2407.360	2417.040	0.5	PASS
		2437	9.600	2432.400	2442.000	0.5	PASS
		2462	9.640	2456.920	2466.560	0.5	PASS
11G	Ant1	2412	16.440	2403.760	2420.200	0.5	PASS
		2437	16.440	2428.760	2445.200	0.5	PASS
		2462	16.440	2453.760	2470.200	0.5	PASS
11N20SISO	Ant1	2412	17.640	2403.160	2420.800	0.5	PASS
		2437	17.640	2428.160	2445.800	0.5	PASS
		2462	17.400	2453.160	2470.560	0.5	PASS
11N40SISO	Ant1	2422	35.840	2404.000	2439.840	0.5	PASS
		2437	36.480	2418.760	2455.240	0.5	PASS
		2452	36.480	2433.760	2470.240	0.5	PASS

Test Graphs

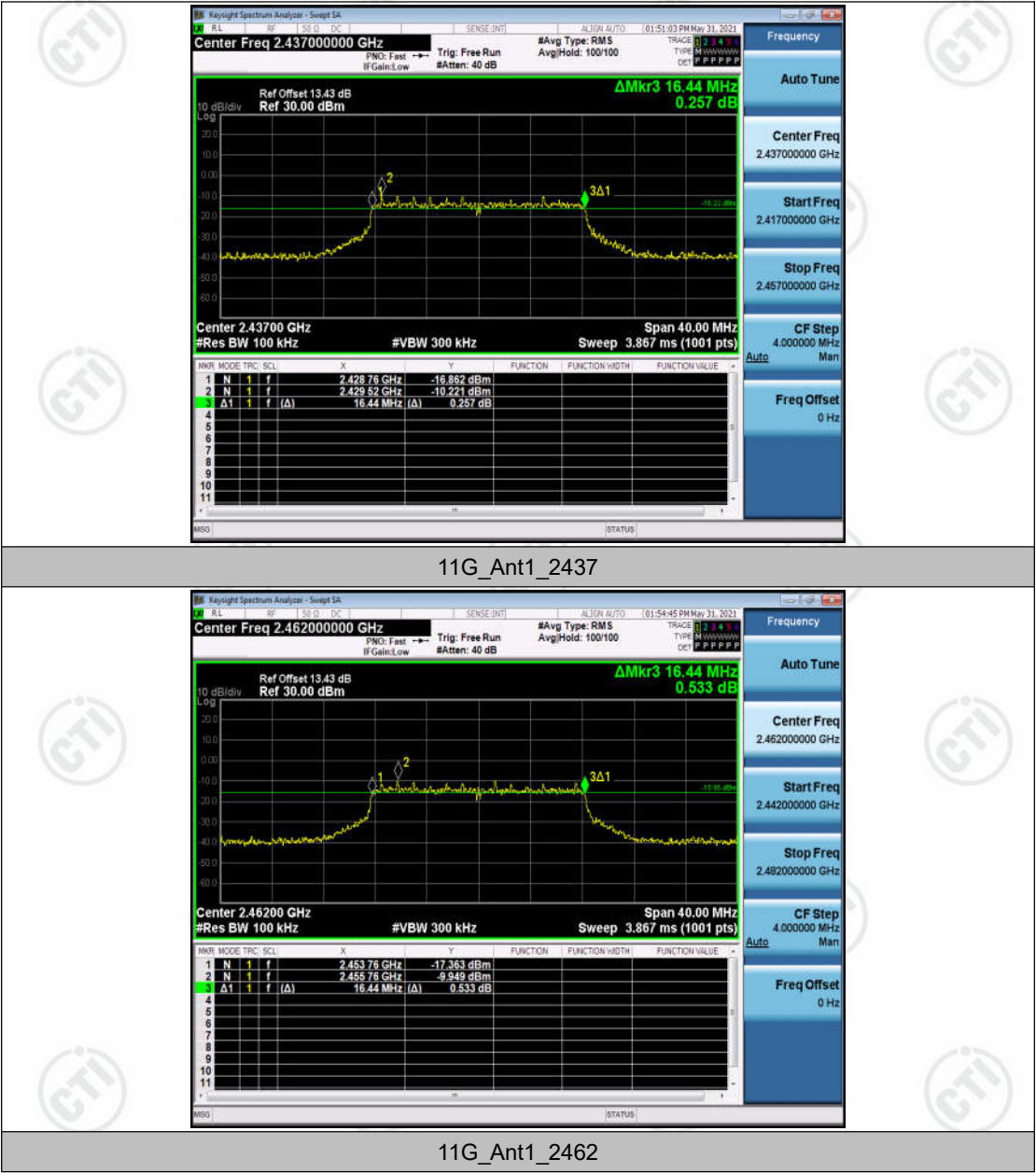


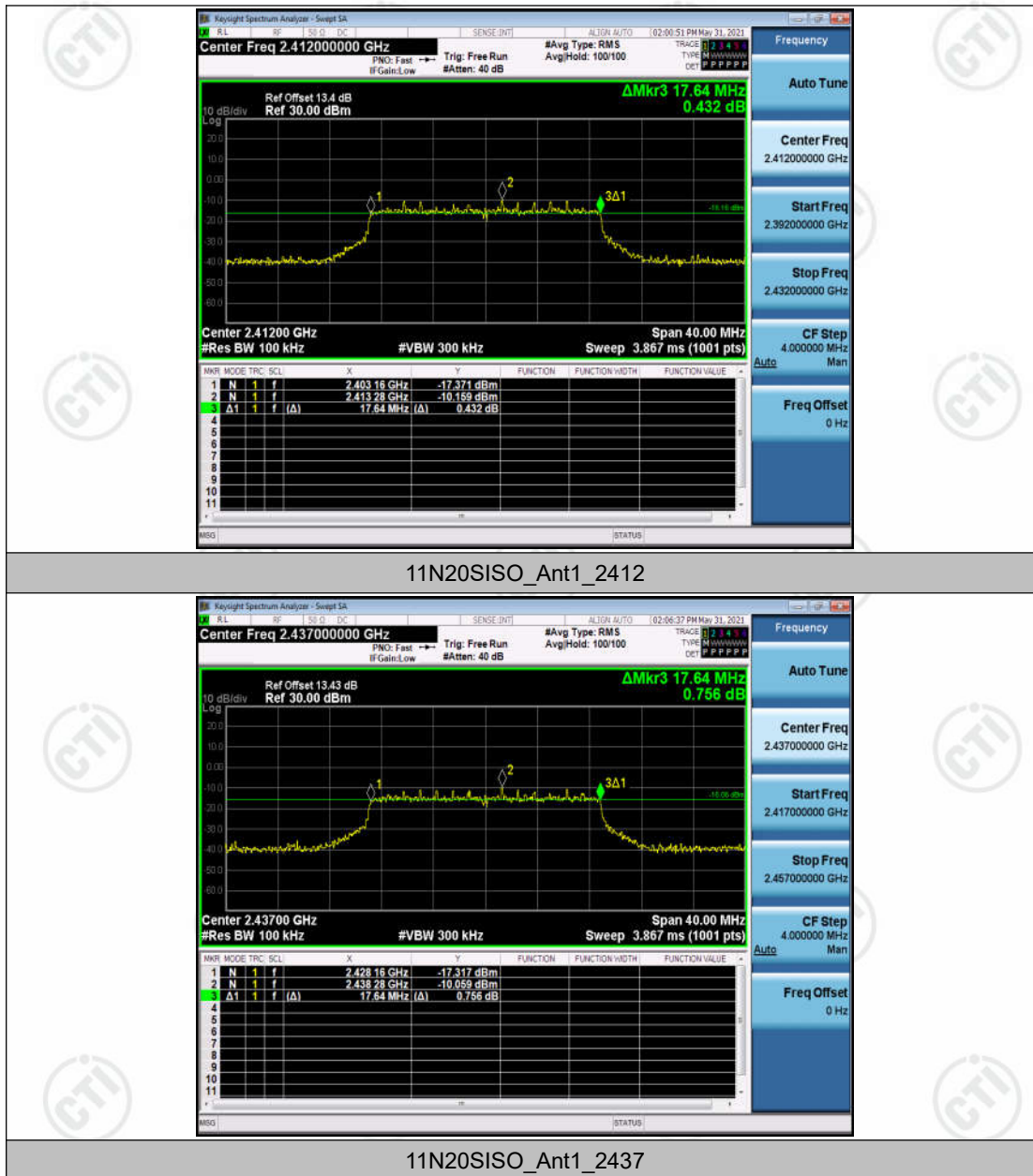


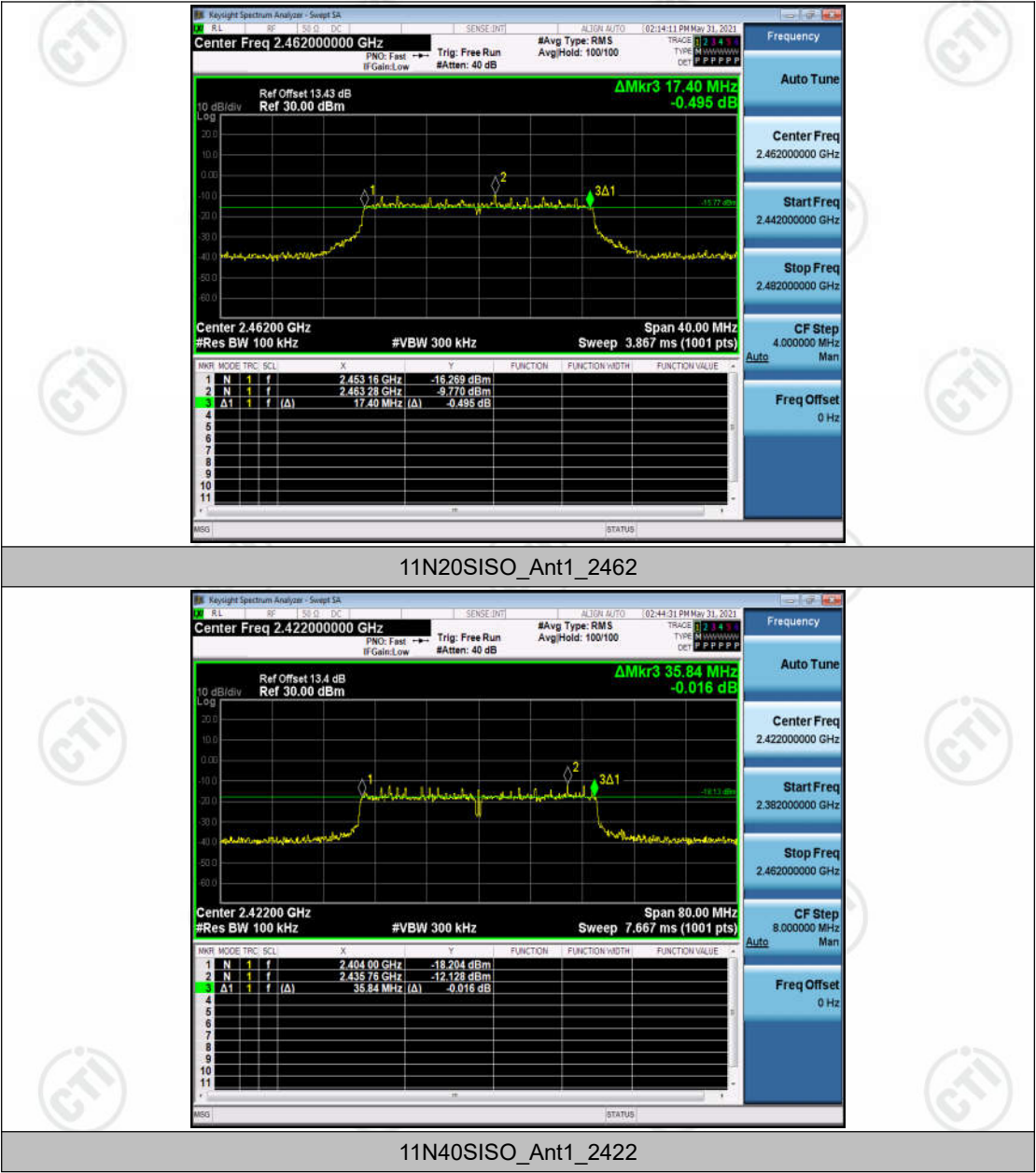
11B_Ant1_2462

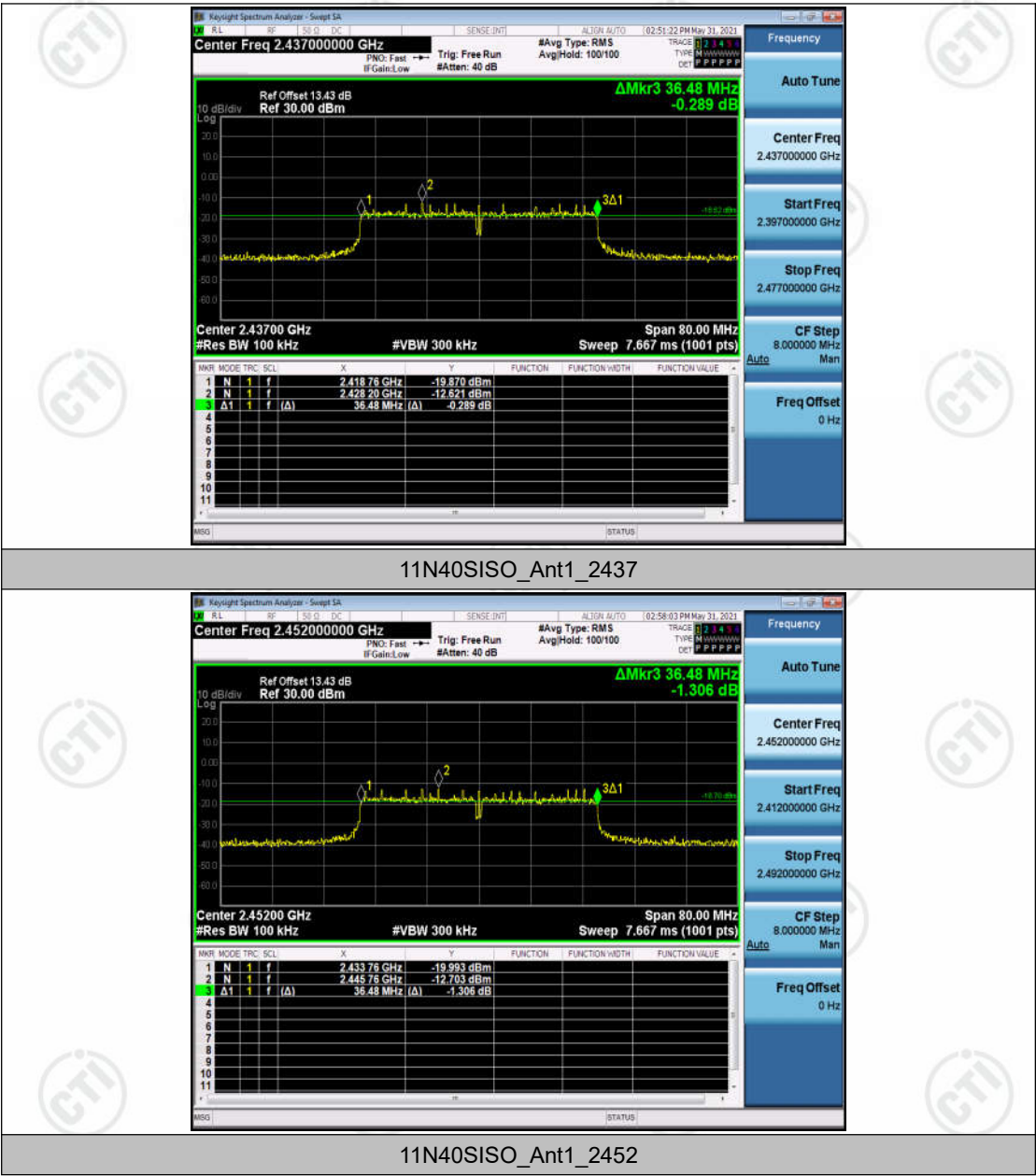


11G_Ant1_2412







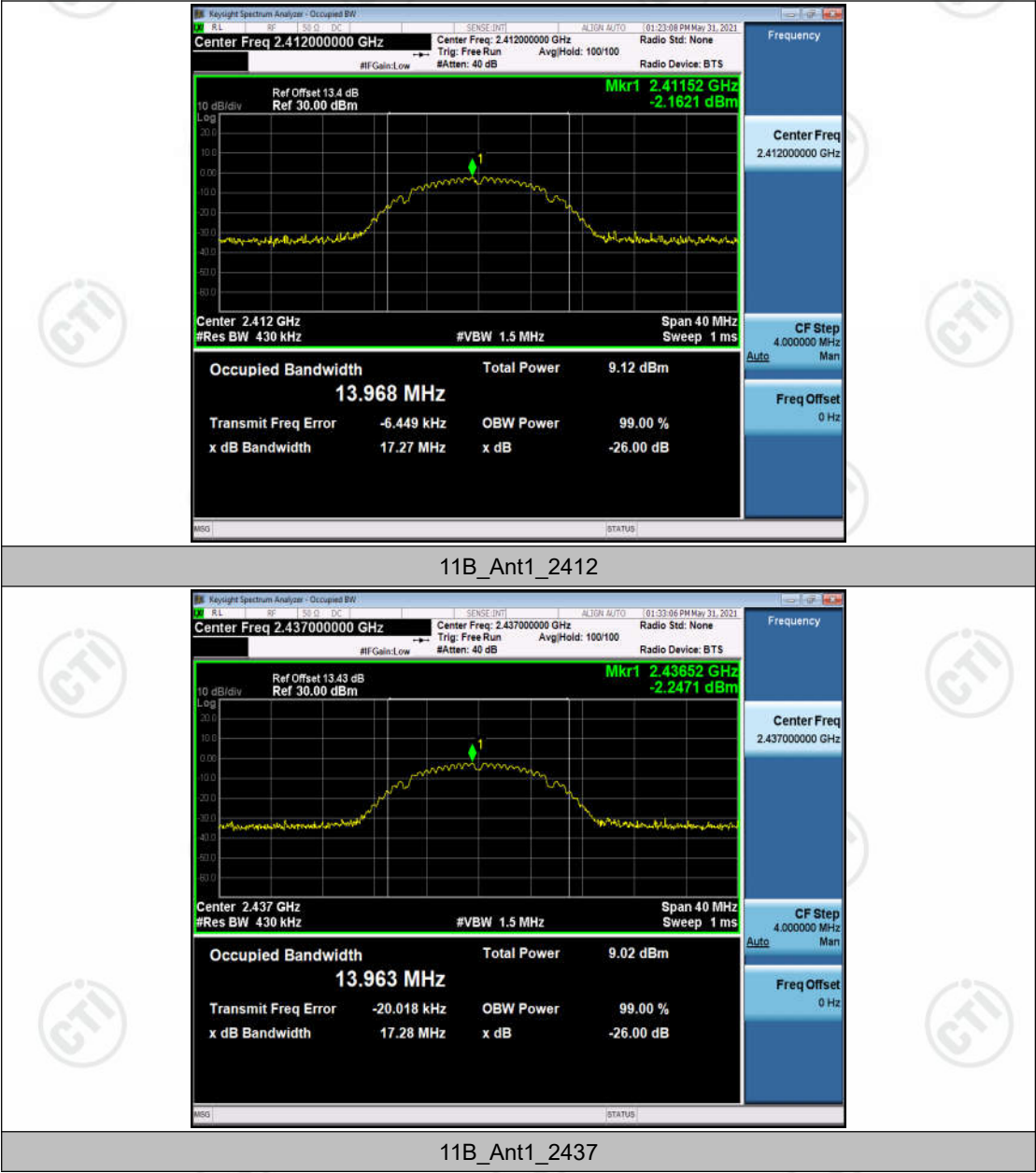


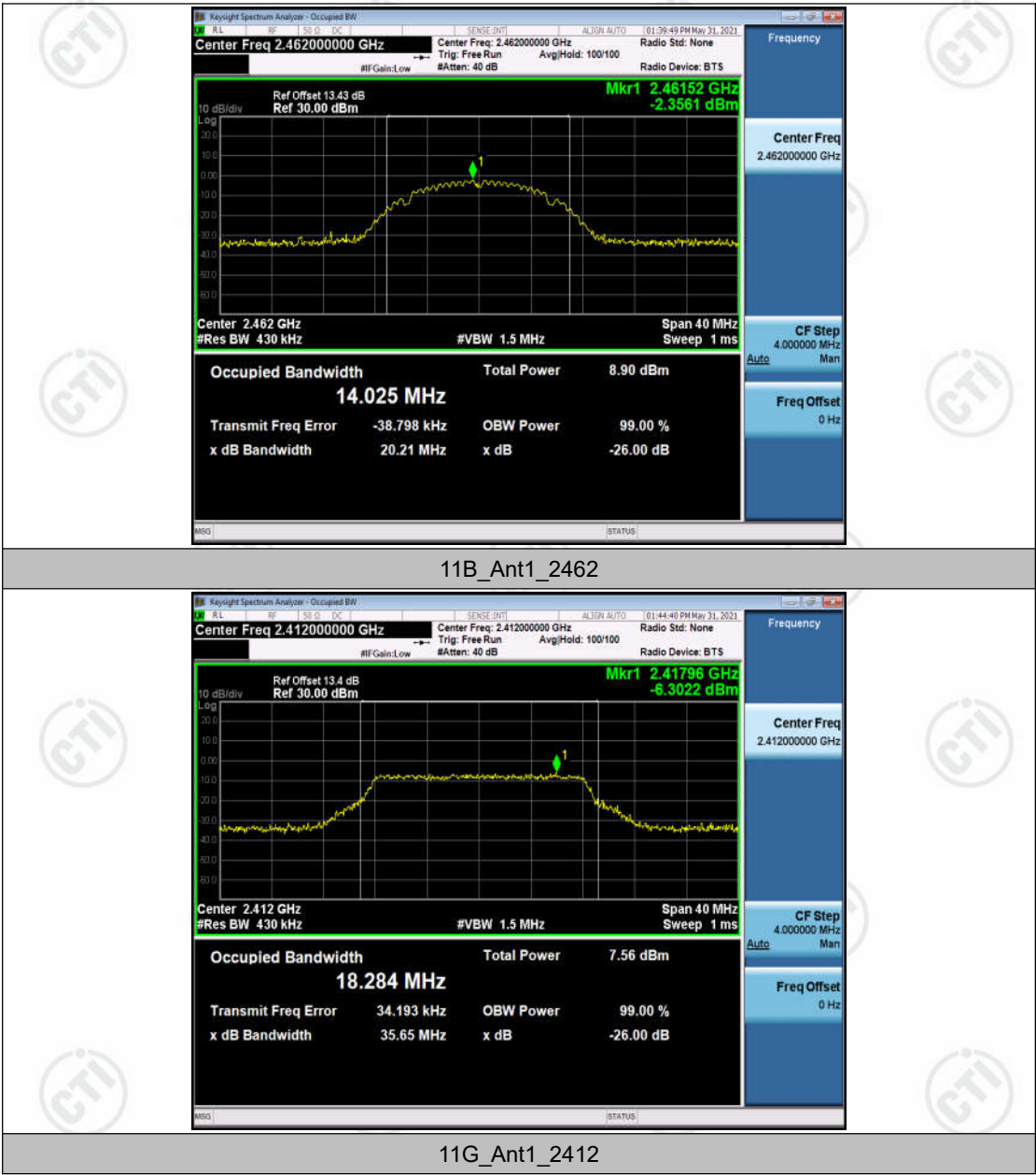
Appendix B: Occupied Channel Bandwidth

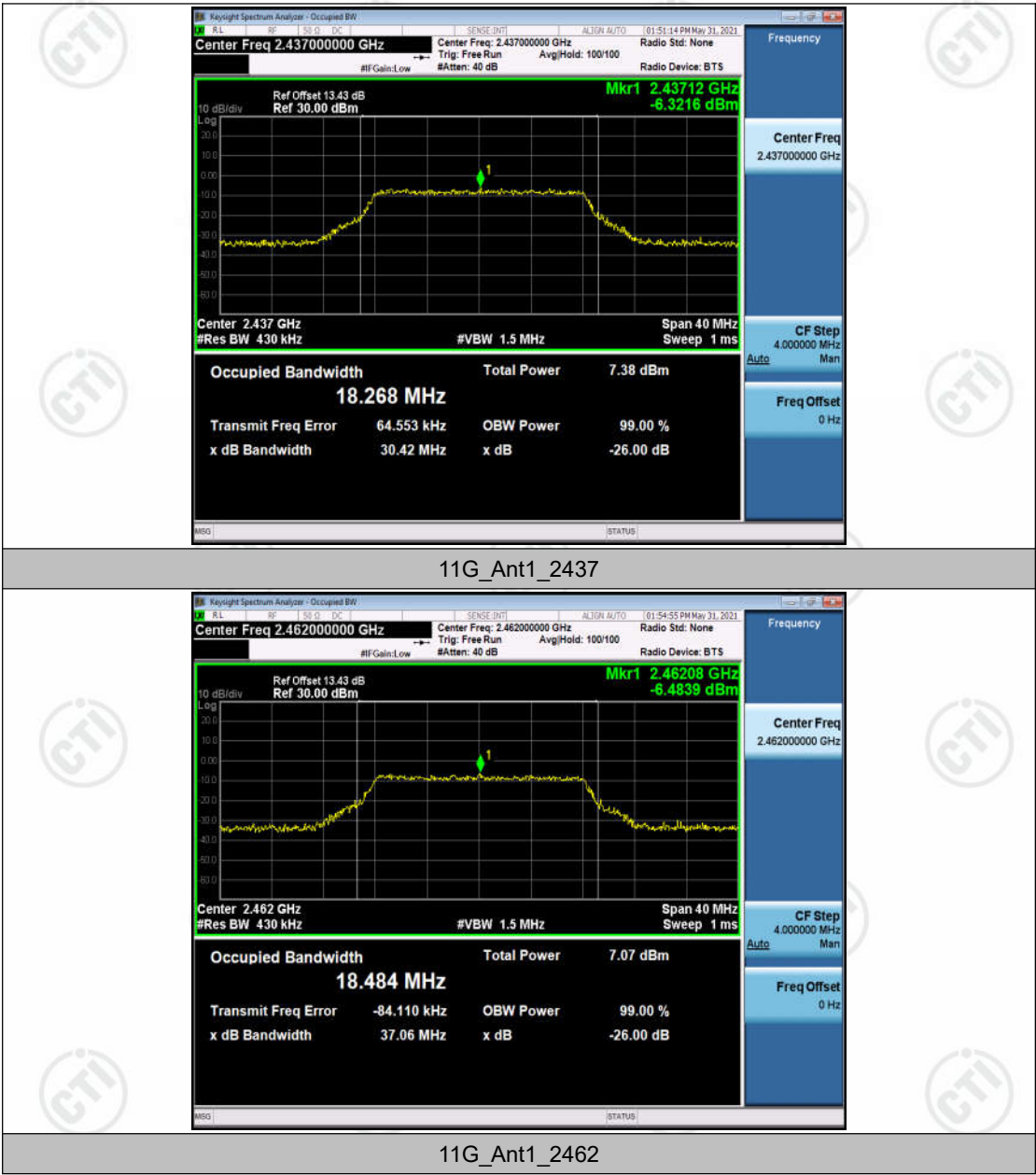
Test Result

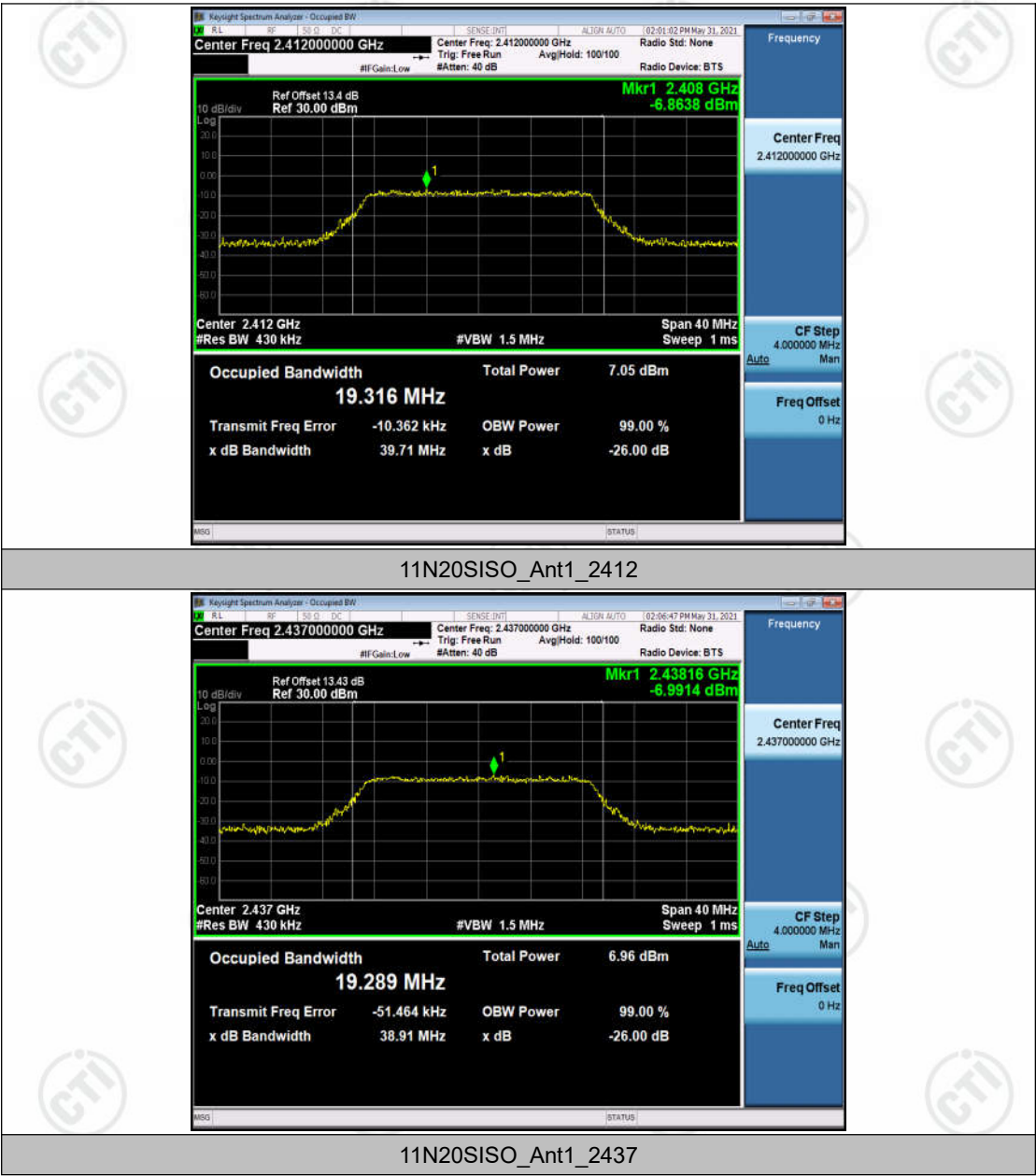
Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.968	2405.010	2418.978	---	PASS
		2437	13.963	2429.998	2443.961	---	PASS
		2462	14.025	2454.949	2468.974	---	PASS
11G	Ant1	2412	18.284	2402.892	2421.176	---	PASS
		2437	18.268	2427.931	2446.199	---	PASS
		2462	18.484	2452.674	2471.158	---	PASS
11N20SISO	Ant1	2412	19.316	2402.332	2421.648	---	PASS
		2437	19.289	2427.304	2446.593	---	PASS
		2462	19.272	2452.302	2471.574	---	PASS
11N40SISO	Ant1	2422	39.318	2402.661	2441.979	---	PASS
		2437	39.538	2417.442	2456.980	---	PASS
		2452	39.364	2432.348	2471.712	---	PASS

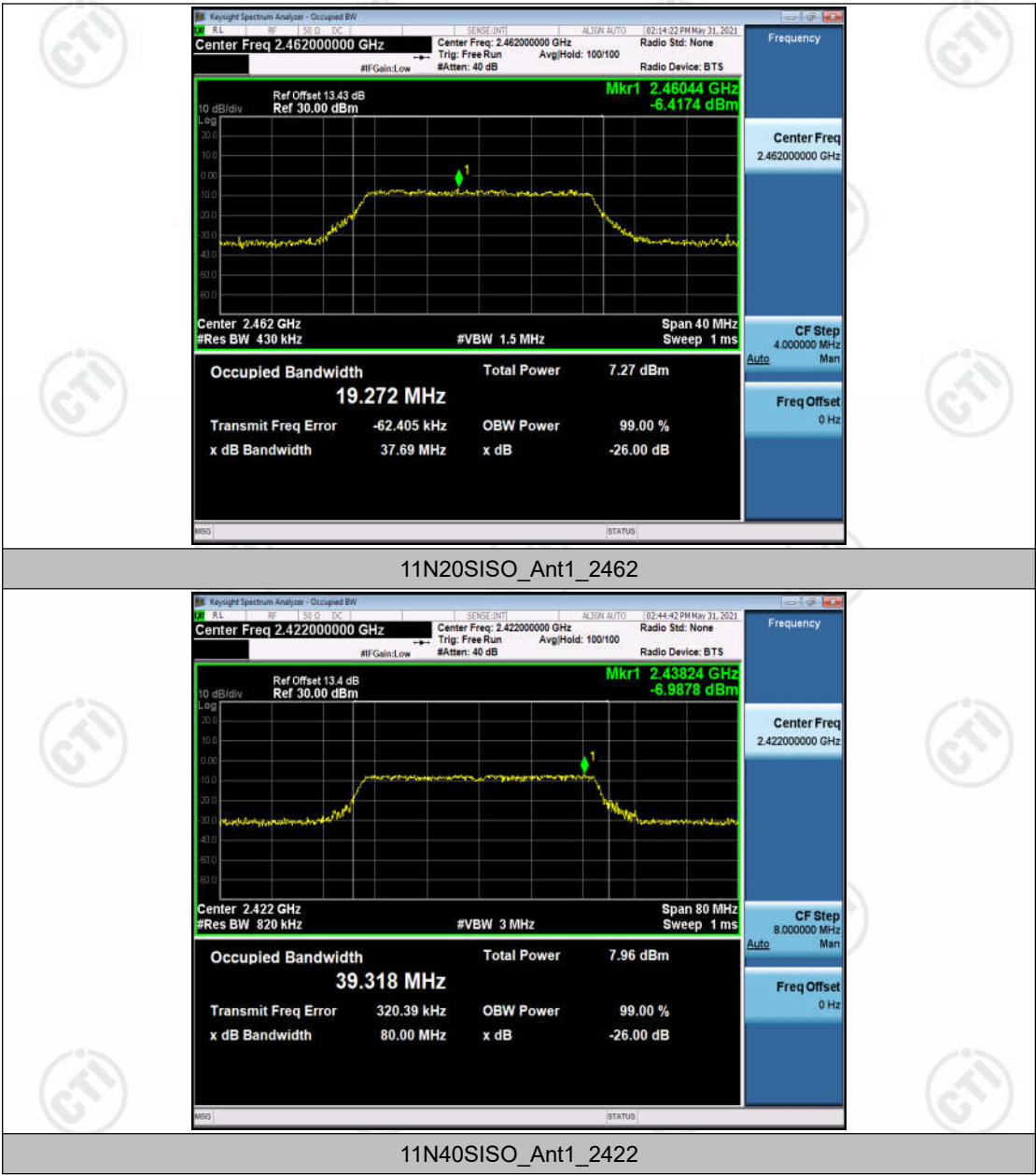
Test Graphs

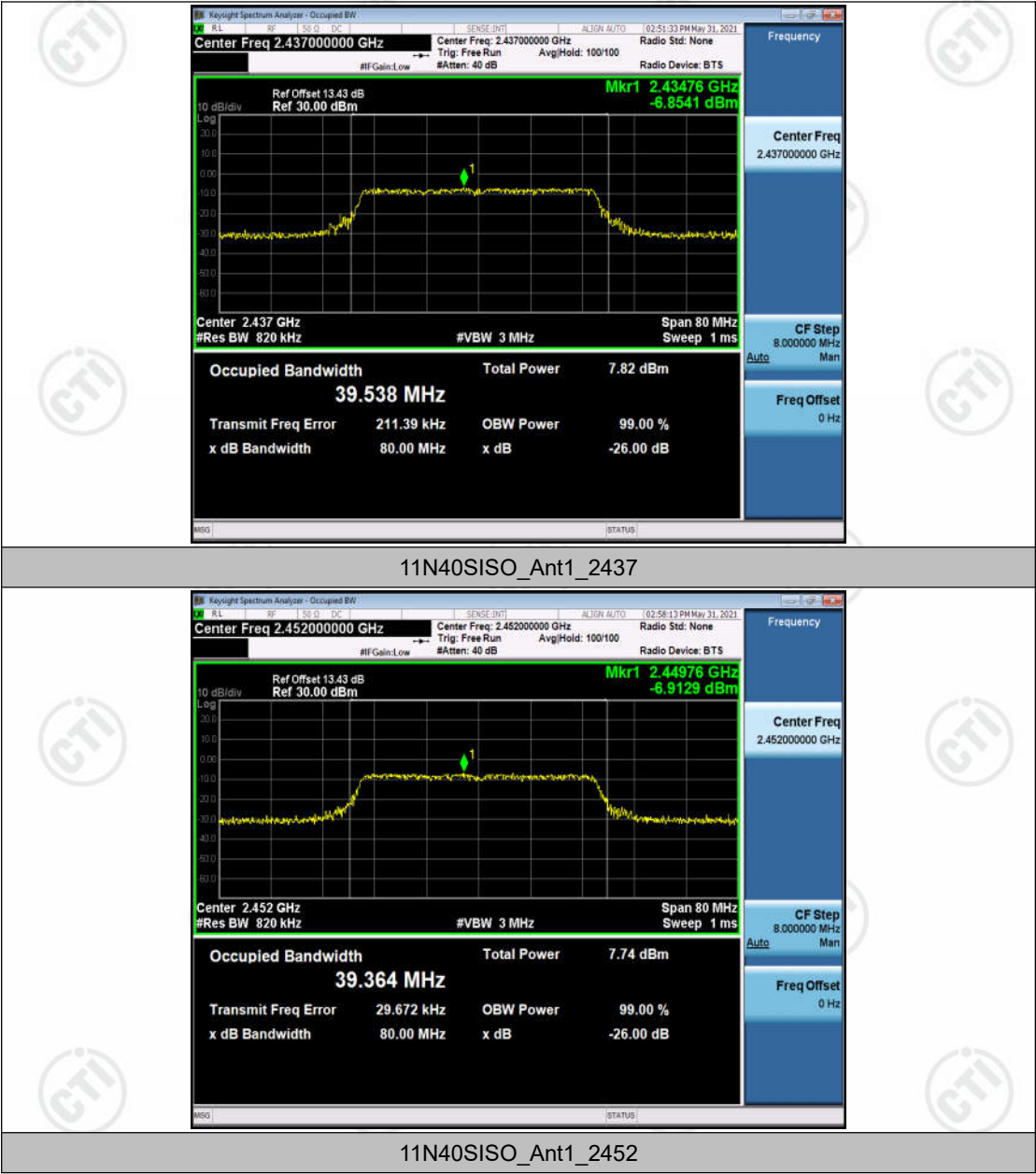












Appendix C: Maximum conducted output power

Test Result

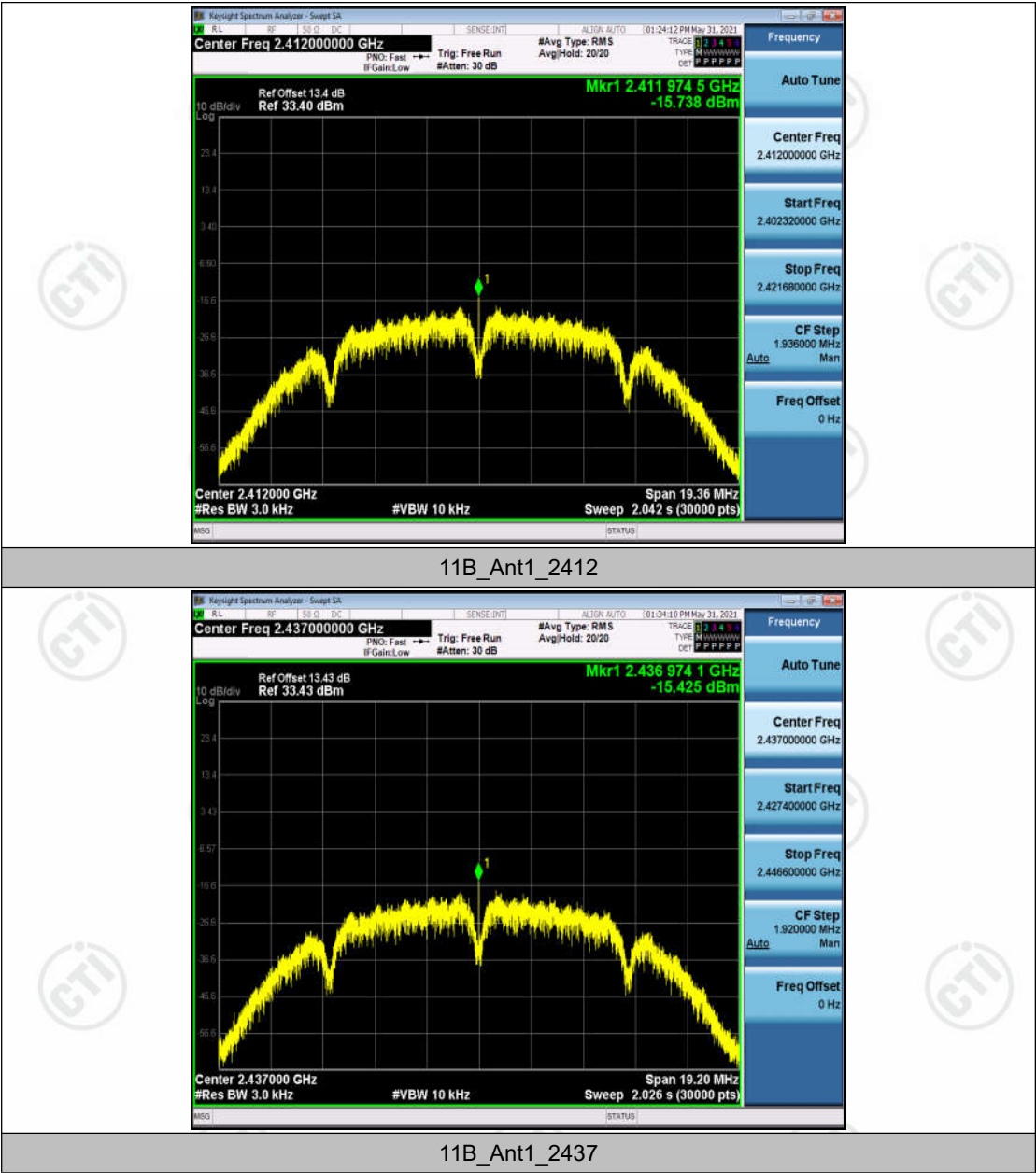
Test Mode	Antenna	Channel	Power[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	8.79	<=30	PASS
		2437	8.69	<=30	PASS
		2462	8.57	<=30	PASS
11G	Ant1	2412	8.59	<=30	PASS
		2437	8.37	<=30	PASS
		2462	8.15	<=30	PASS
11N20SISO	Ant1	2412	8.11	<=30	PASS
		2437	8.15	<=30	PASS
		2462	8.37	<=30	PASS
11N40SISO	Ant1	2422	7.92	<=30	PASS
		2437	7.92	<=30	PASS
		2452	7.84	<=30	PASS

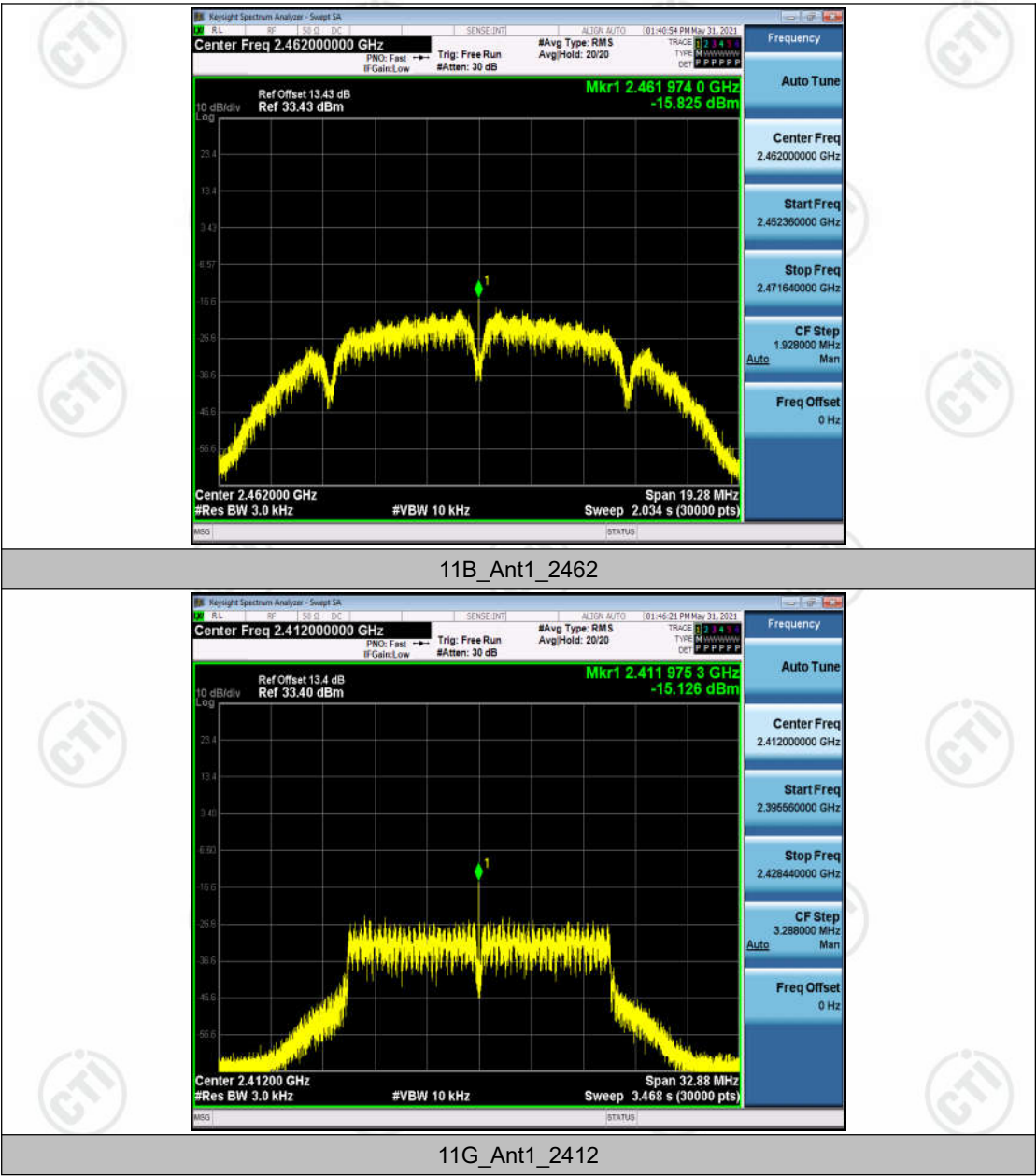
Appendix D: Maximum power spectral density

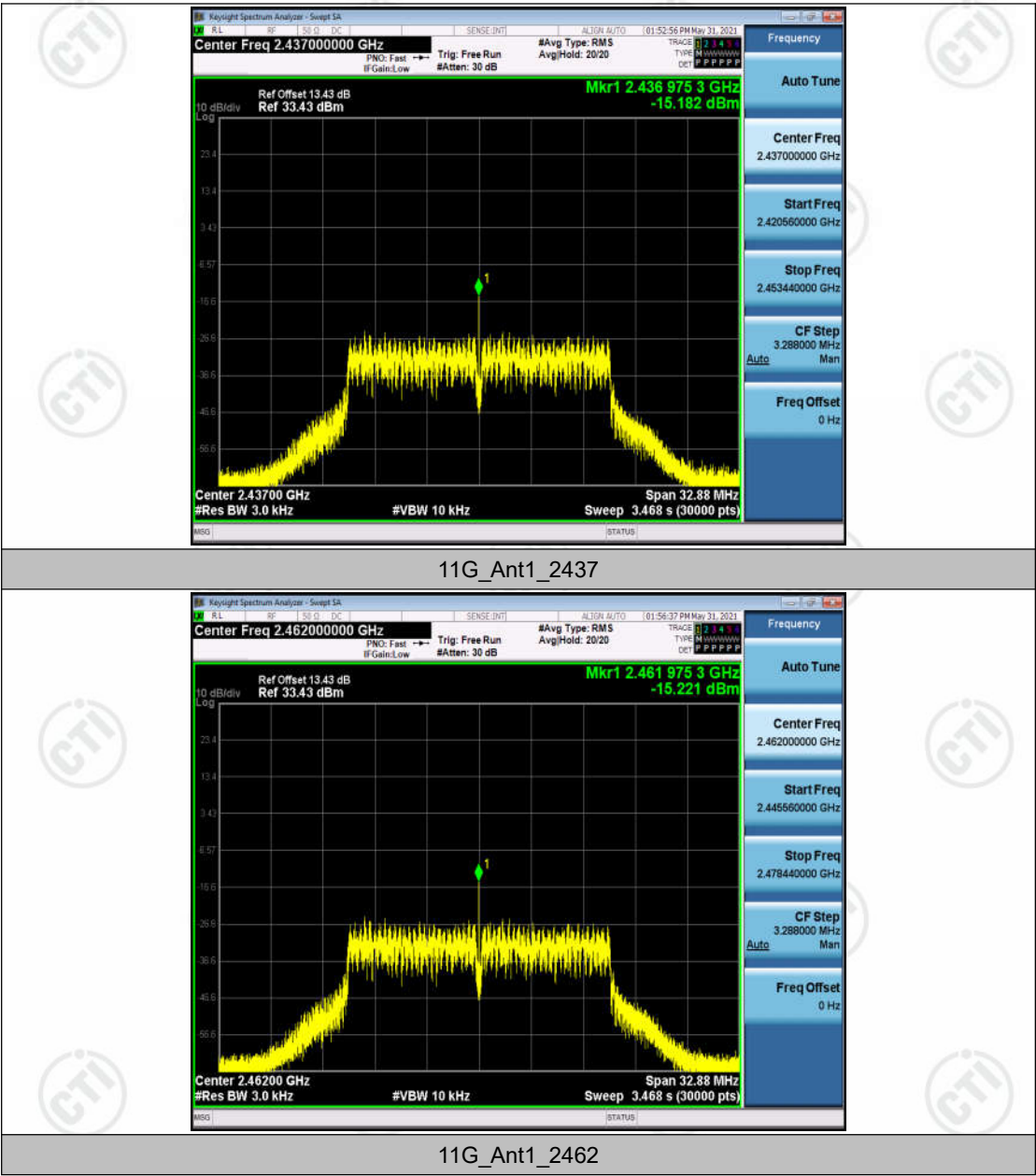
Test Result

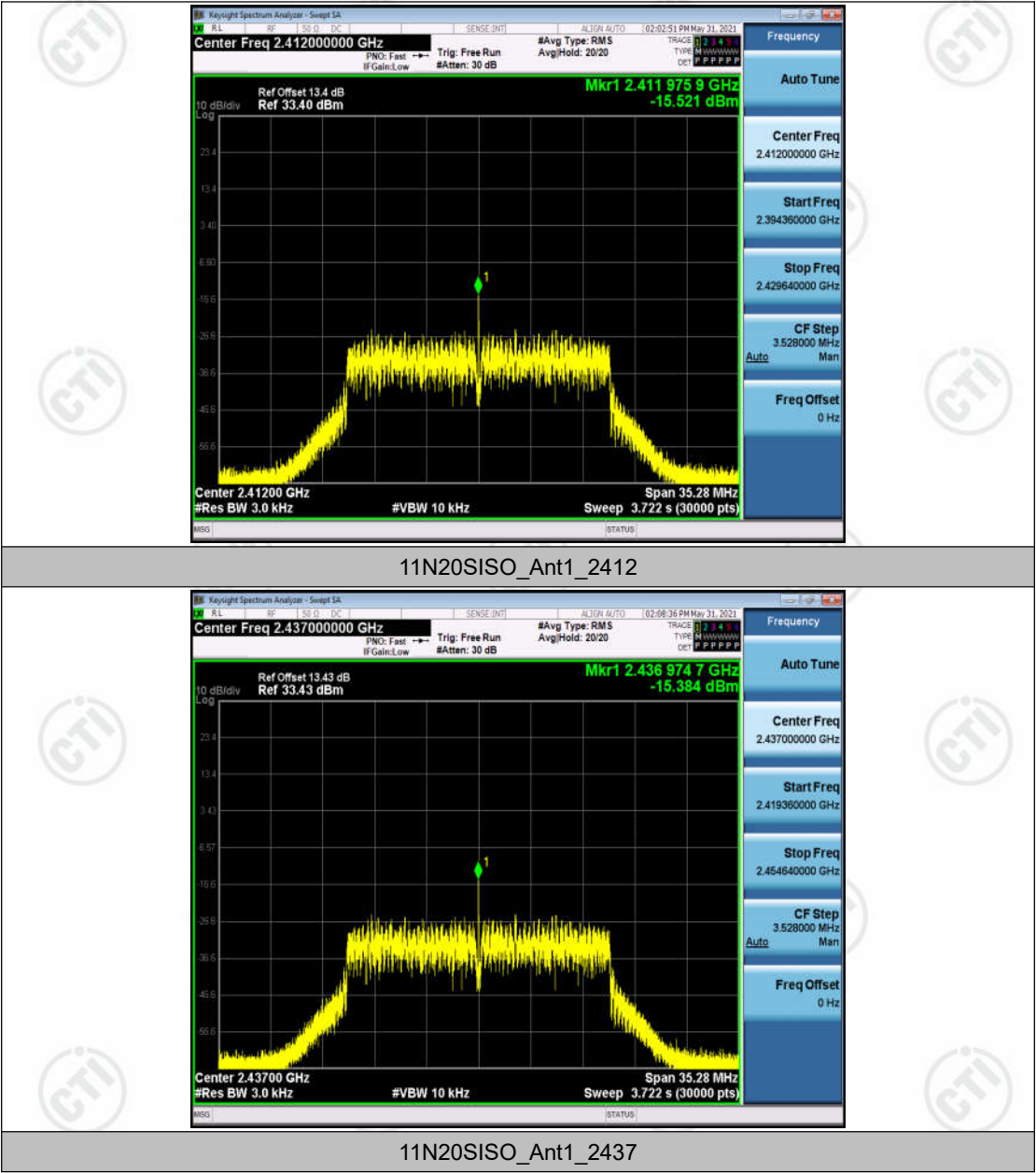
Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-15.74	<=8	PASS
		2437	-15.43	<=8	PASS
		2462	-15.83	<=8	PASS
11G	Ant1	2412	-15.13	<=8	PASS
		2437	-15.18	<=8	PASS
		2462	-15.22	<=8	PASS
11N20SISO	Ant1	2412	-15.52	<=8	PASS
		2437	-15.38	<=8	PASS
		2462	-15.7	<=8	PASS
11N40SISO	Ant1	2422	-14.13	<=8	PASS
		2437	-13.74	<=8	PASS
		2452	-13.91	<=8	PASS

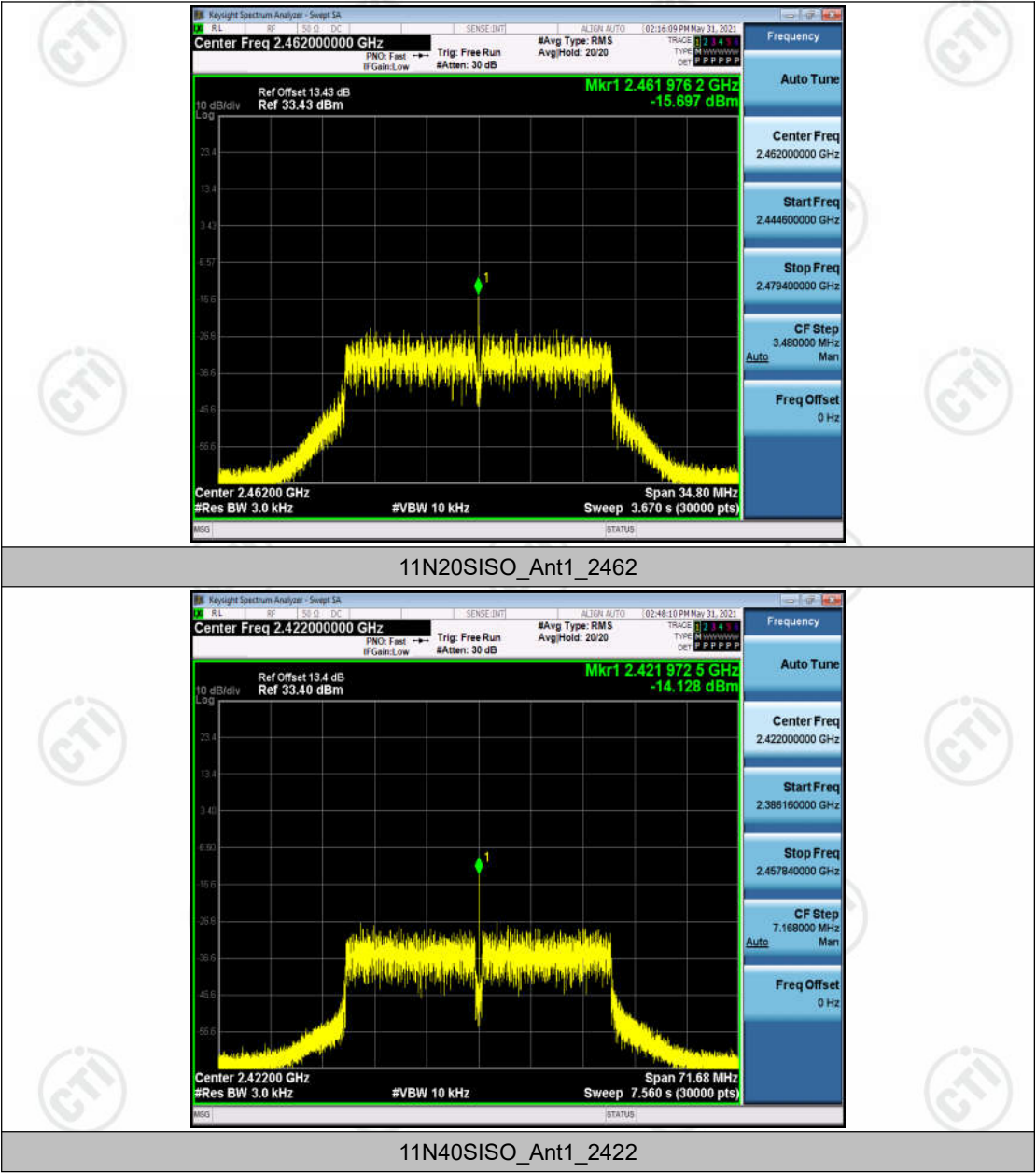
Test Graphs

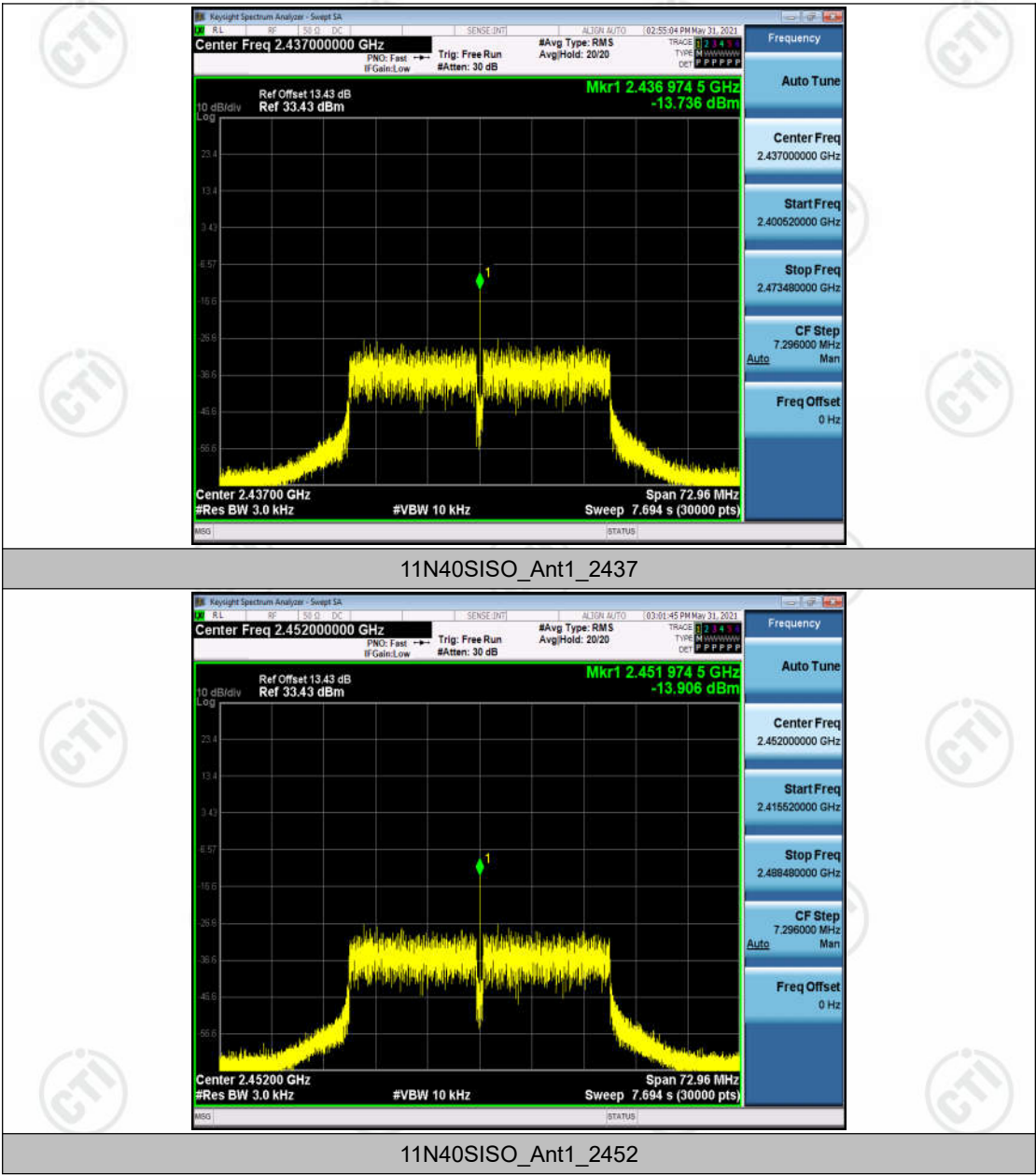










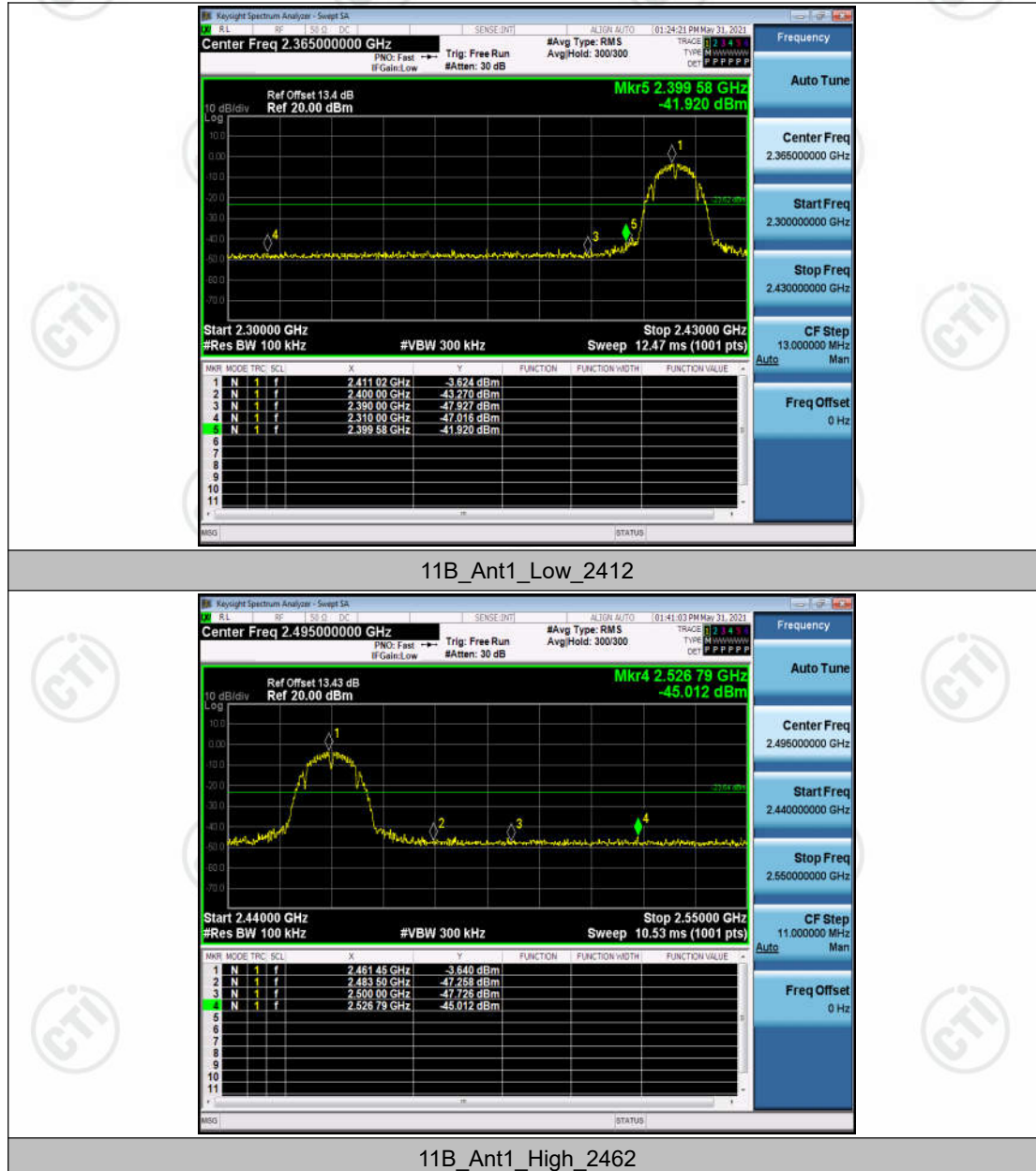


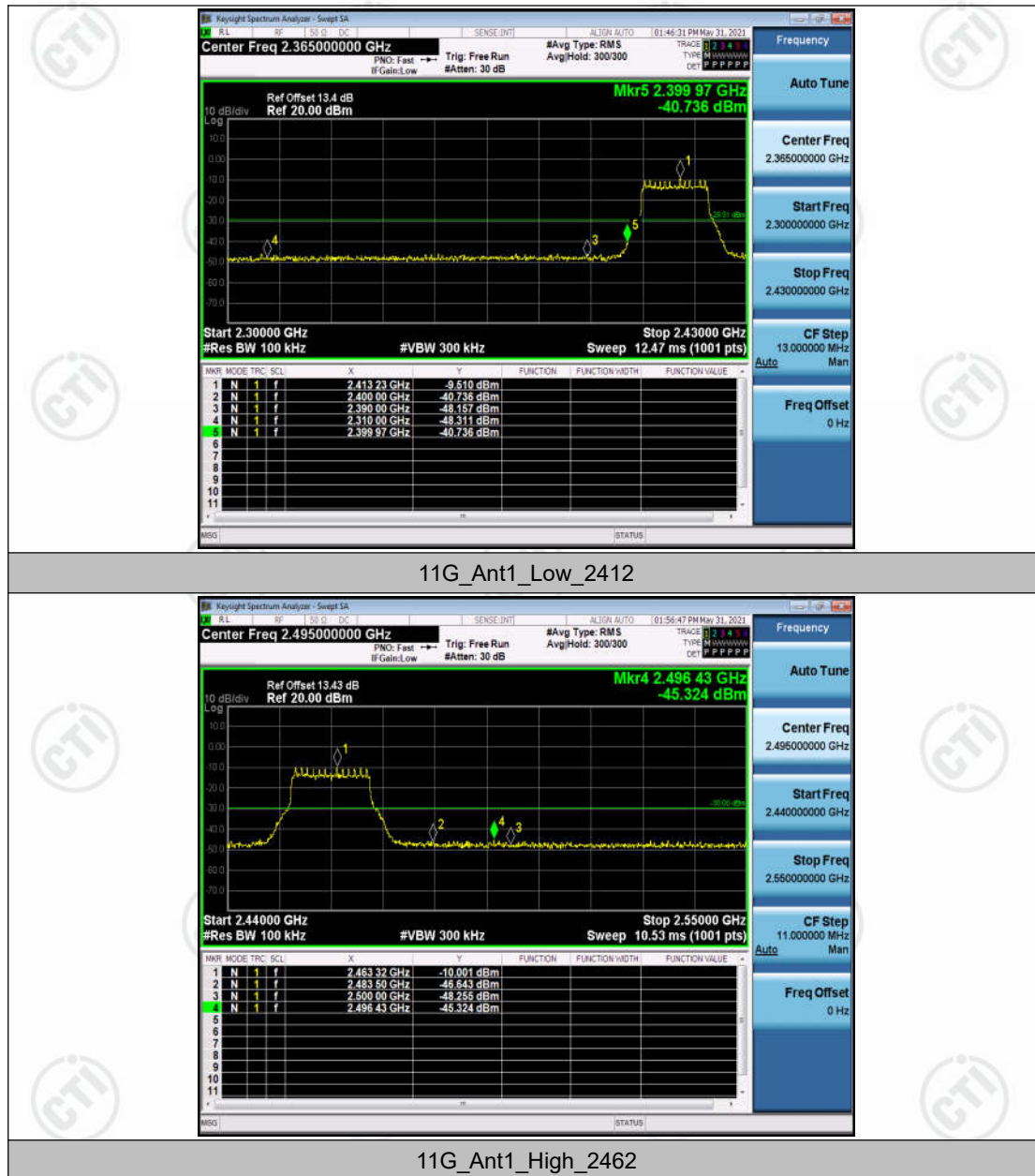
Appendix E: Band edge measurements

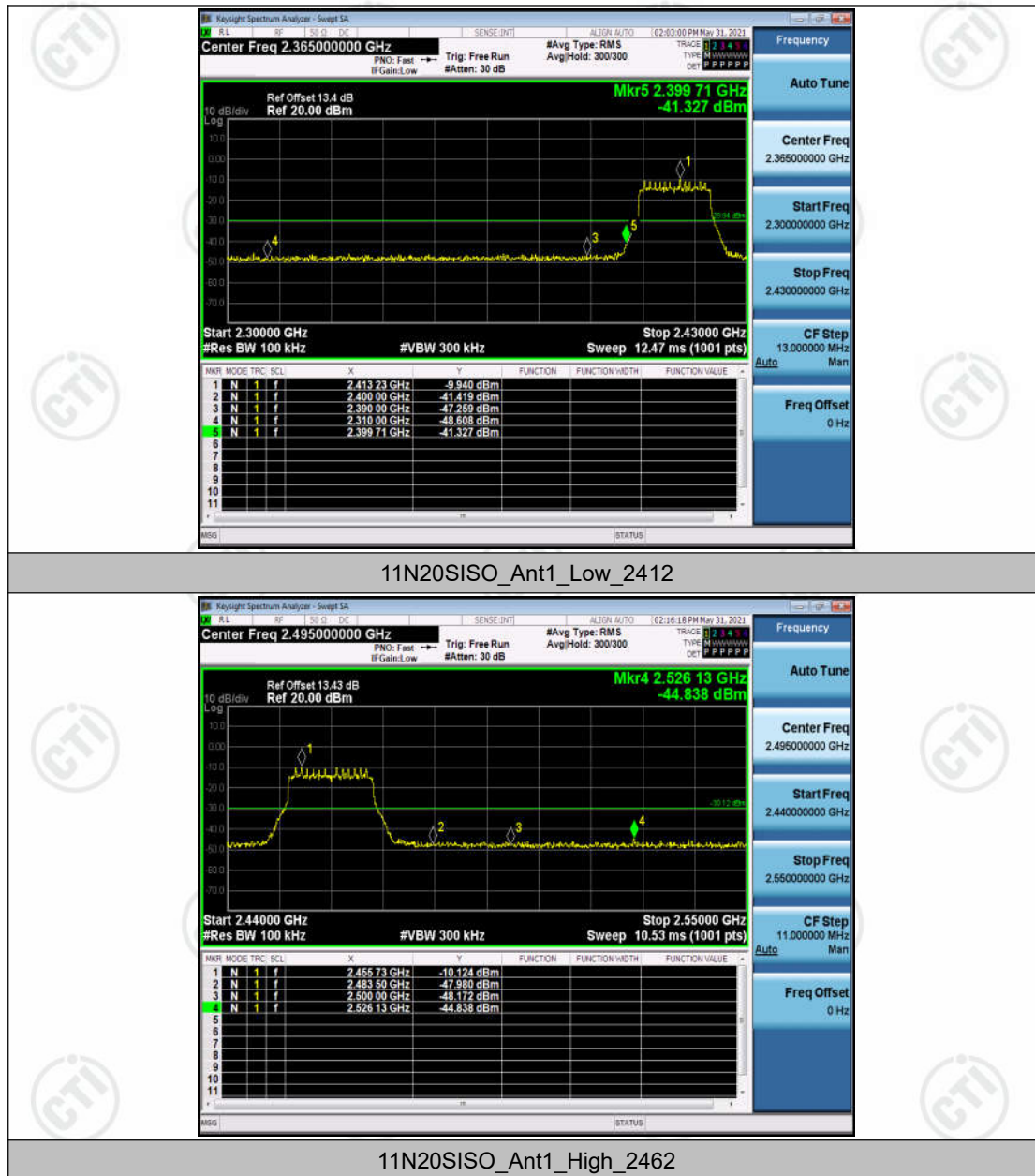
Test Result

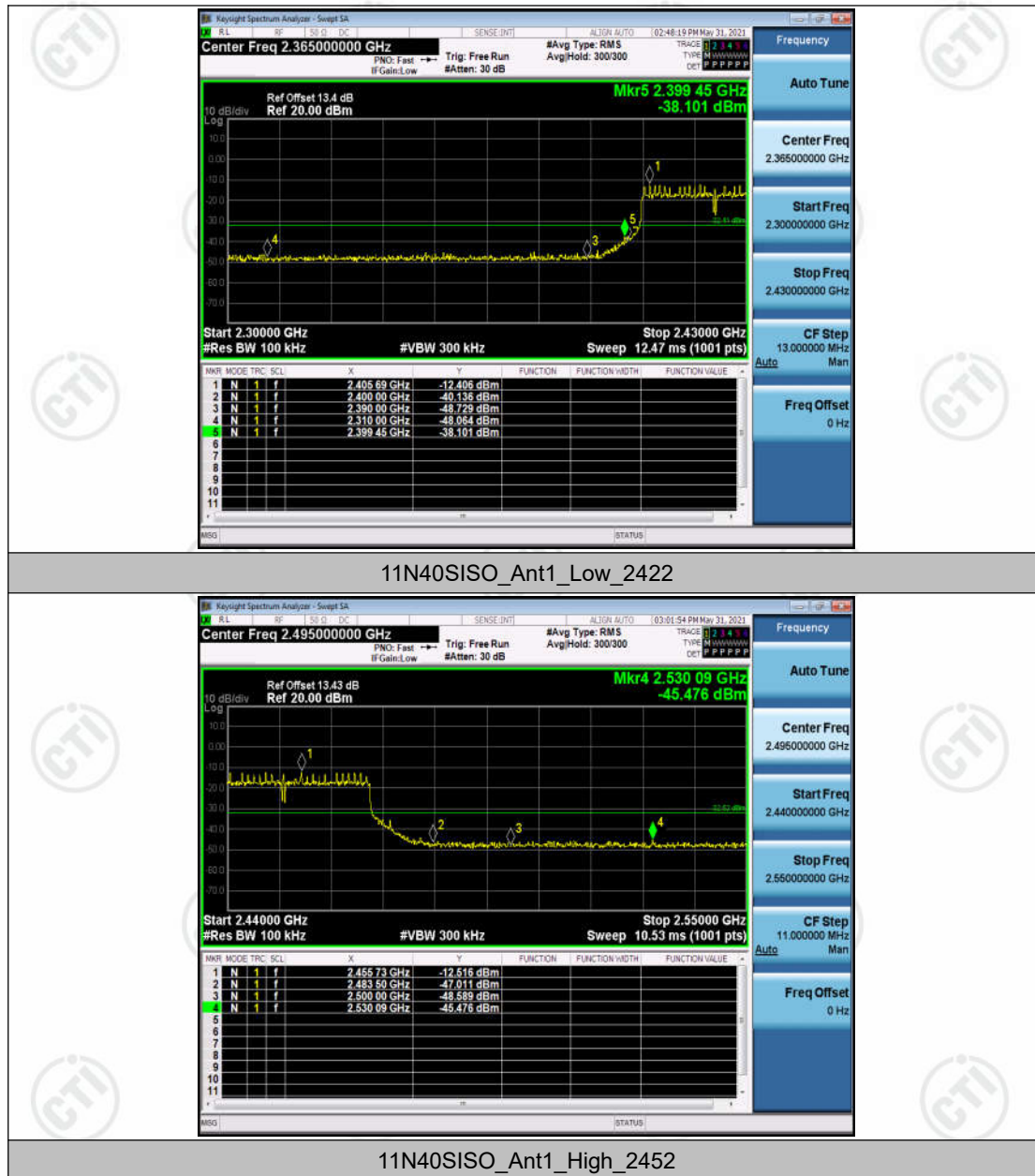
Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-3.62	-41.92	<=-23.62	PASS
		High	2462	-3.64	-45.01	<=-23.64	PASS
11G	Ant1	Low	2412	-9.51	-40.74	<=-29.51	PASS
		High	2462	-10.00	-45.32	<=-30	PASS
11N20SISO	Ant1	Low	2412	-9.94	-41.33	<=-29.94	PASS
		High	2462	-10.12	-44.84	<=-30.12	PASS
11N40SISO	Ant1	Low	2422	-12.41	-38.1	<=-32.41	PASS
		High	2452	-12.52	-45.48	<=-32.52	PASS

Test Graphs









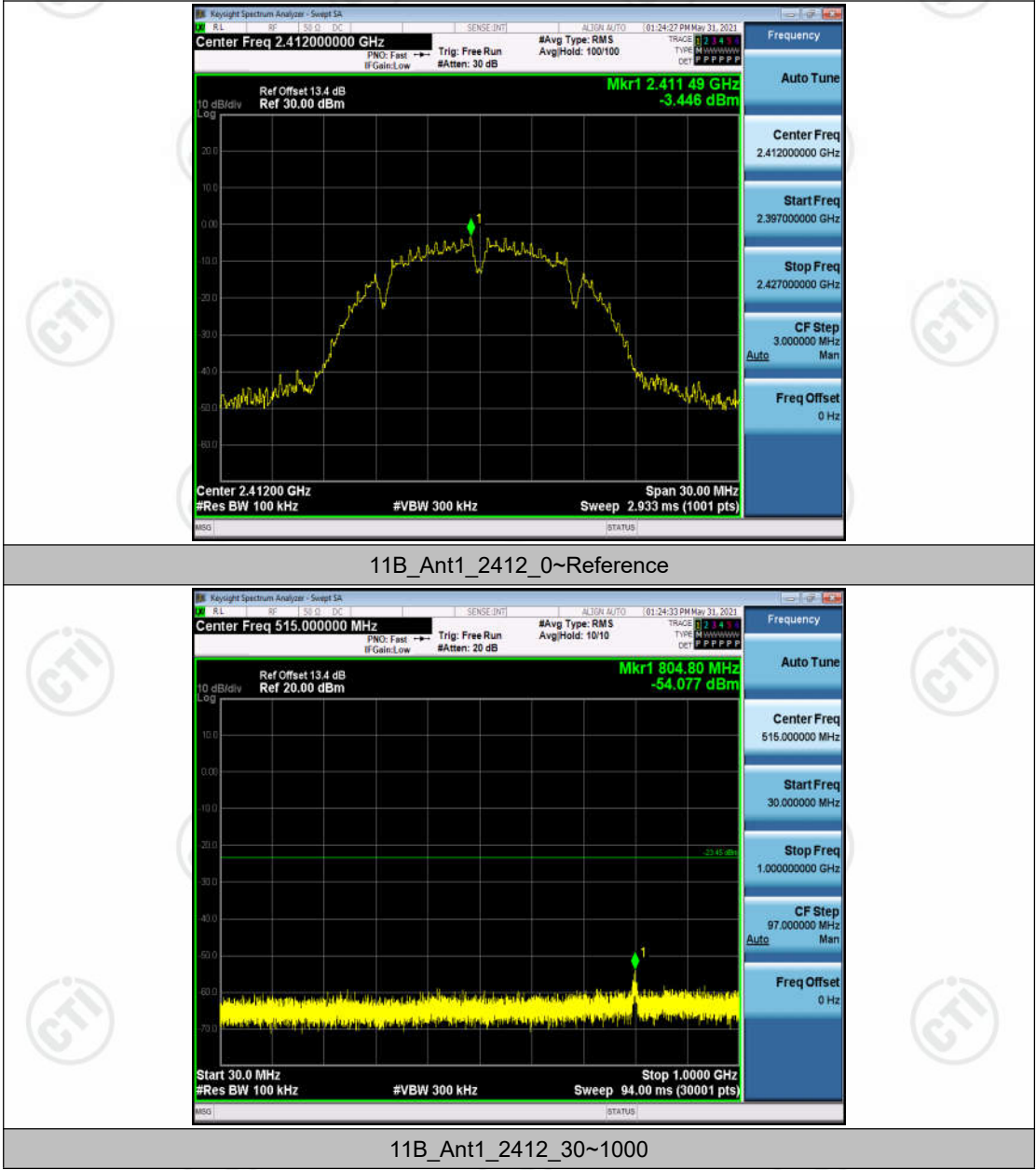
Appendix F: Conducted Spurious Emission

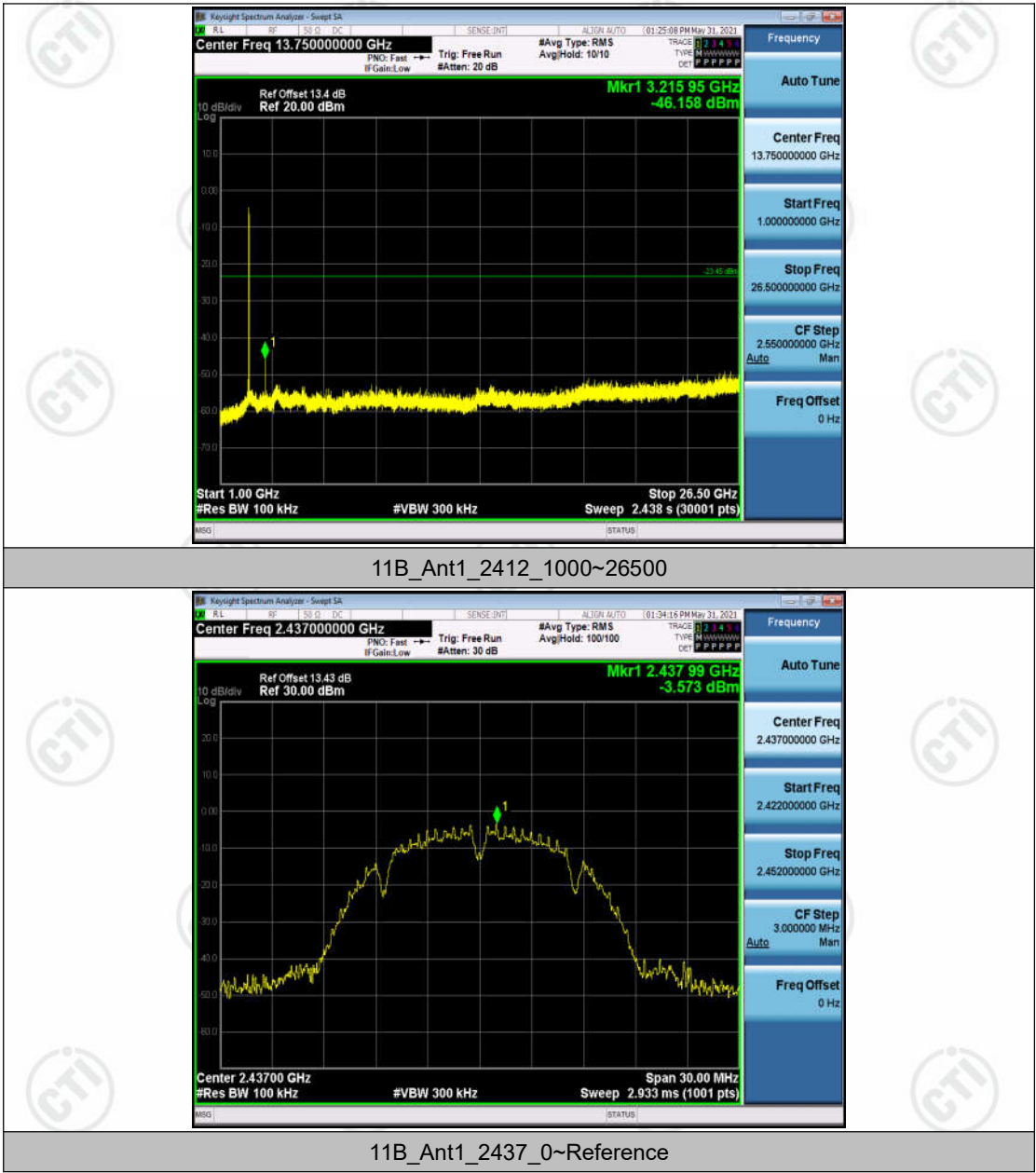
Test Result

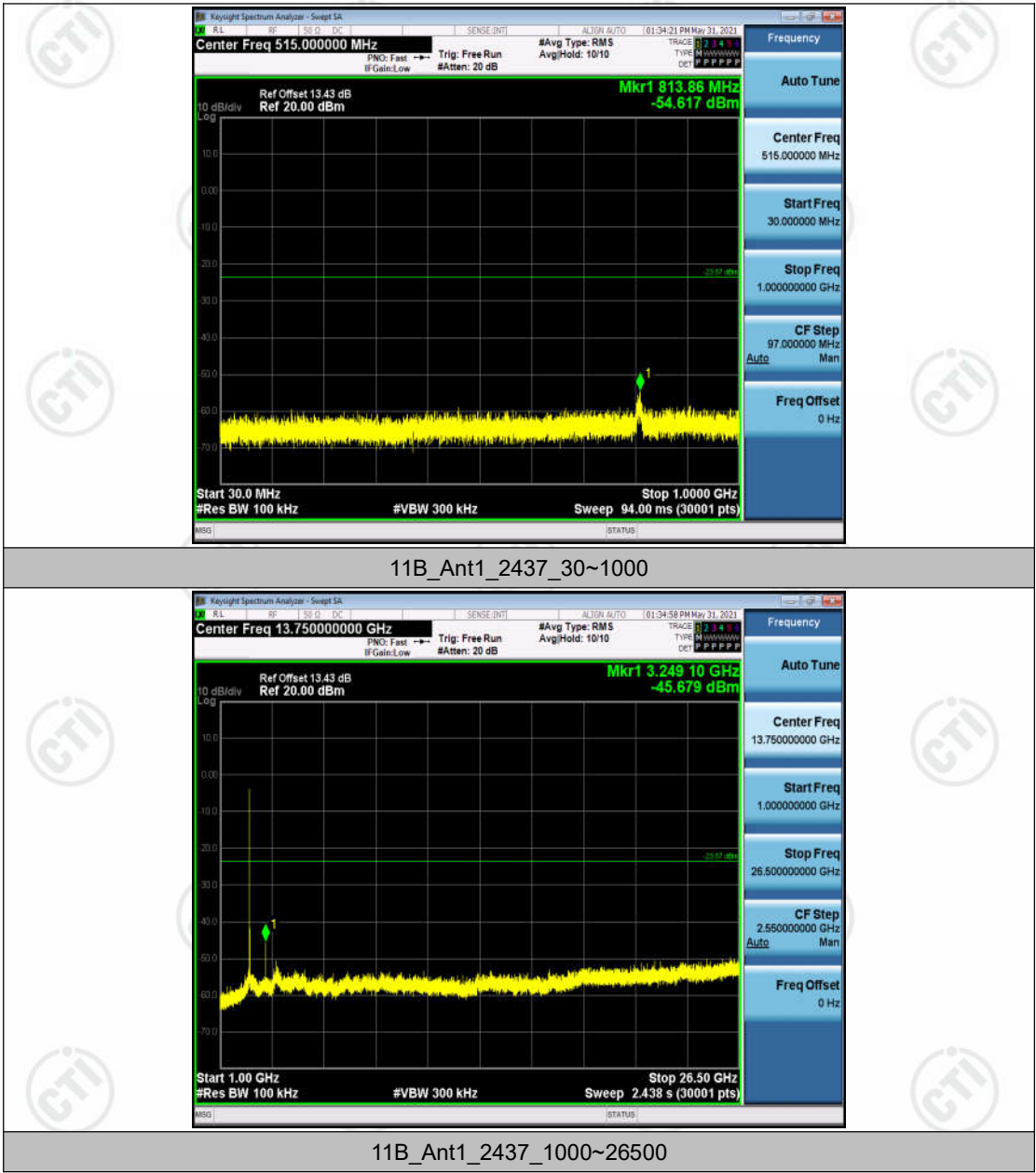
Test Mode	Antenna	Channel	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-3.45	-3.45	---	PASS
			30~1000	30~1000	-54.077	<=-23.446	PASS
			1000~26500	1000~26500	-46.158	<=-23.446	PASS
		2437	Reference	-3.57	-3.57	---	PASS
			30~1000	30~1000	-54.617	<=-23.573	PASS
			1000~26500	1000~26500	-45.679	<=-23.573	PASS
		2462	Reference	-3.72	-3.72	---	PASS
			30~1000	30~1000	-55.06	<=-23.717	PASS
			1000~26500	1000~26500	-45.488	<=-23.717	PASS
11G	Ant1	2412	Reference	-10.11	-10.11	---	PASS
			30~1000	30~1000	-56.553	<=-30.109	PASS
			1000~26500	1000~26500	-45.034	<=-30.109	PASS
		2437	Reference	-10.21	-10.21	---	PASS
			30~1000	30~1000	-57.013	<=-30.214	PASS
			1000~26500	1000~26500	-45.353	<=-30.214	PASS
		2462	Reference	-10.17	-10.17	---	PASS
			30~1000	30~1000	-57.093	<=-30.17	PASS
			1000~26500	1000~26500	-45.354	<=-30.17	PASS
11N20SISO	Ant1	2412	Reference	-10.03	-10.03	---	PASS
			30~1000	30~1000	-57.109	<=-30.026	PASS
			1000~26500	1000~26500	-45.984	<=-30.026	PASS
		2437	Reference	-10.57	-10.57	---	PASS
			30~1000	30~1000	-57.554	<=-30.568	PASS
			1000~26500	1000~26500	-45.891	<=-30.568	PASS
		2462	Reference	-10.11	-10.11	---	PASS
			30~1000	30~1000	-56.607	<=-30.107	PASS
			1000~26500	1000~26500	-45.701	<=-30.107	PASS
11N40SISO	Ant1	2422	Reference	-12.35	-12.35	---	PASS
			30~1000	30~1000	-57.793	<=-32.353	PASS
			1000~26500	1000~26500	-47.12	<=-32.353	PASS
		2437	Reference	-12.50	-12.50	---	PASS
			30~1000	30~1000	-57.316	<=-32.497	PASS
			1000~26500	1000~26500	-47.198	<=-32.497	PASS
		2452	Reference	-12.50	-12.50	---	PASS

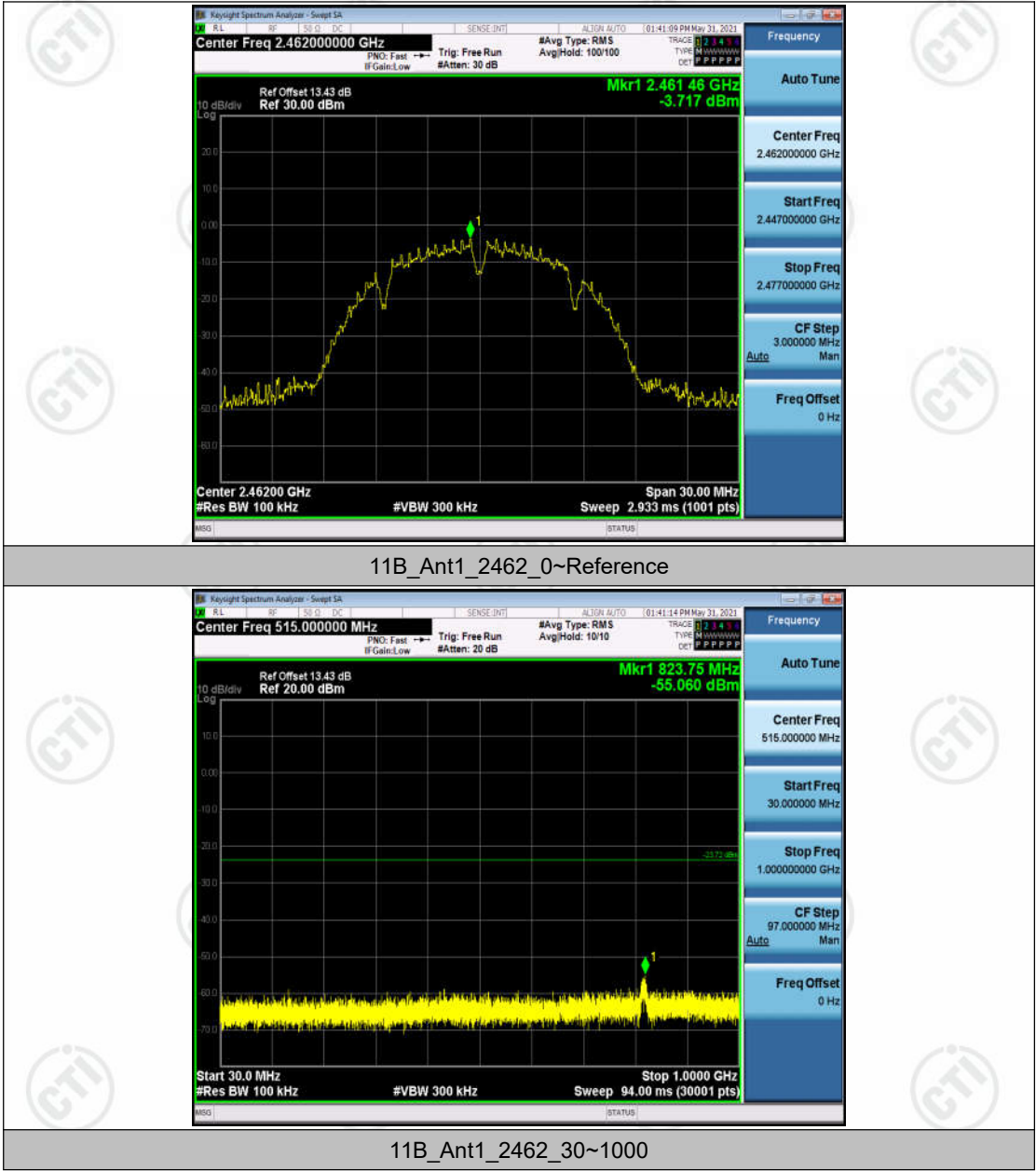
			30~1000	30~1000	-57.517	<=-32.497	PASS
			1000~26500	1000~26500	-47.542	<=-32.497	PASS

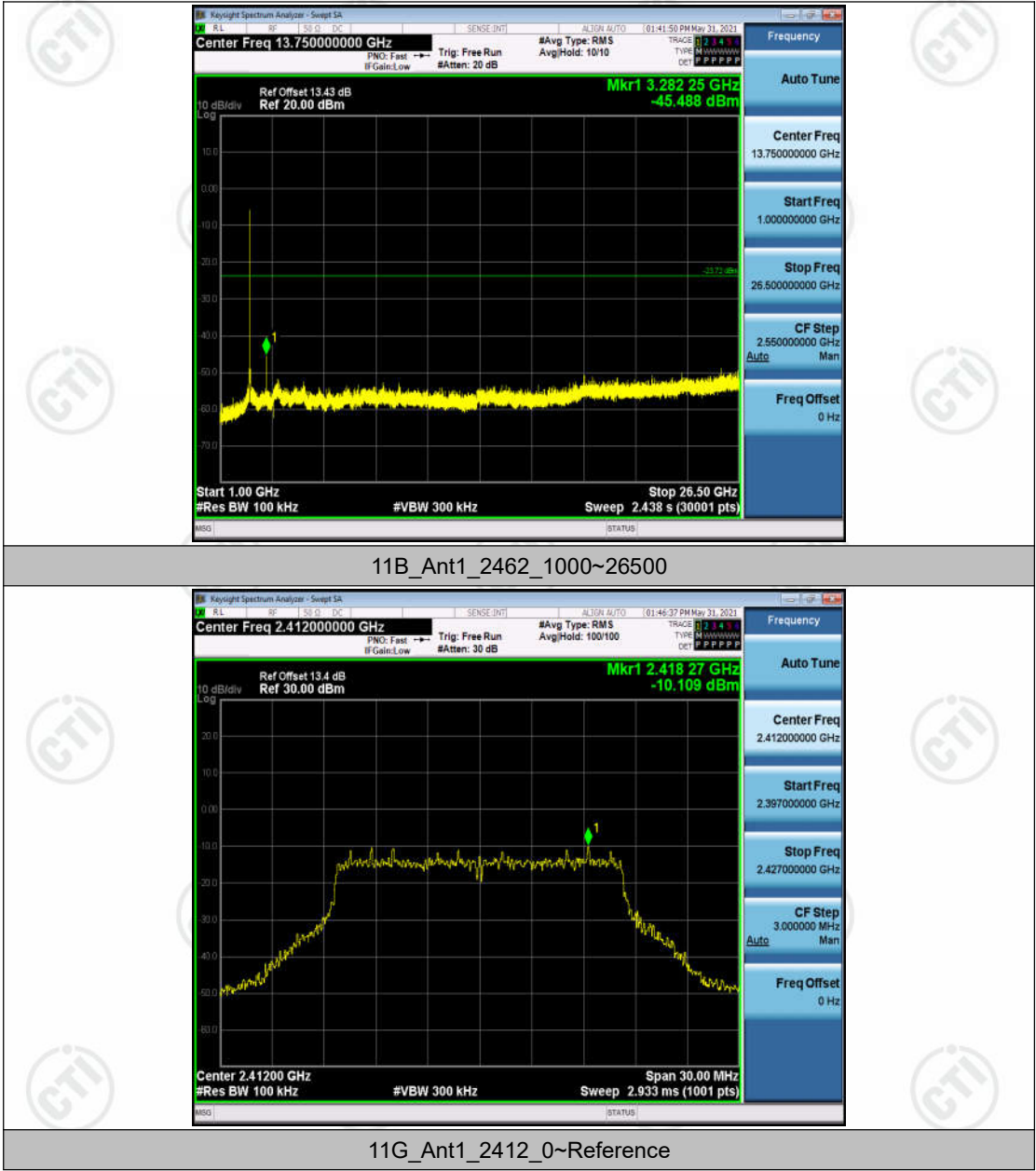
Test Graphs

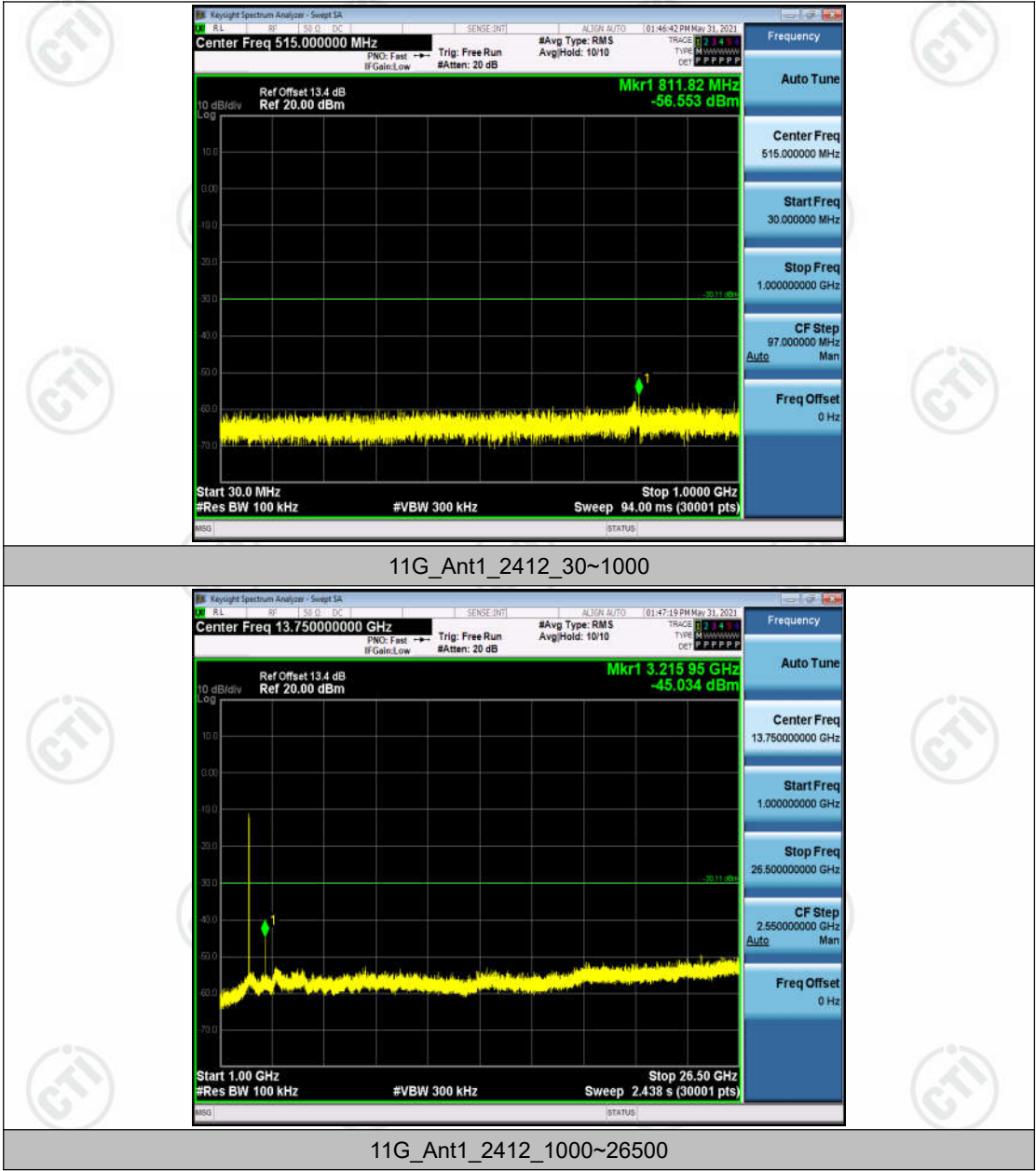


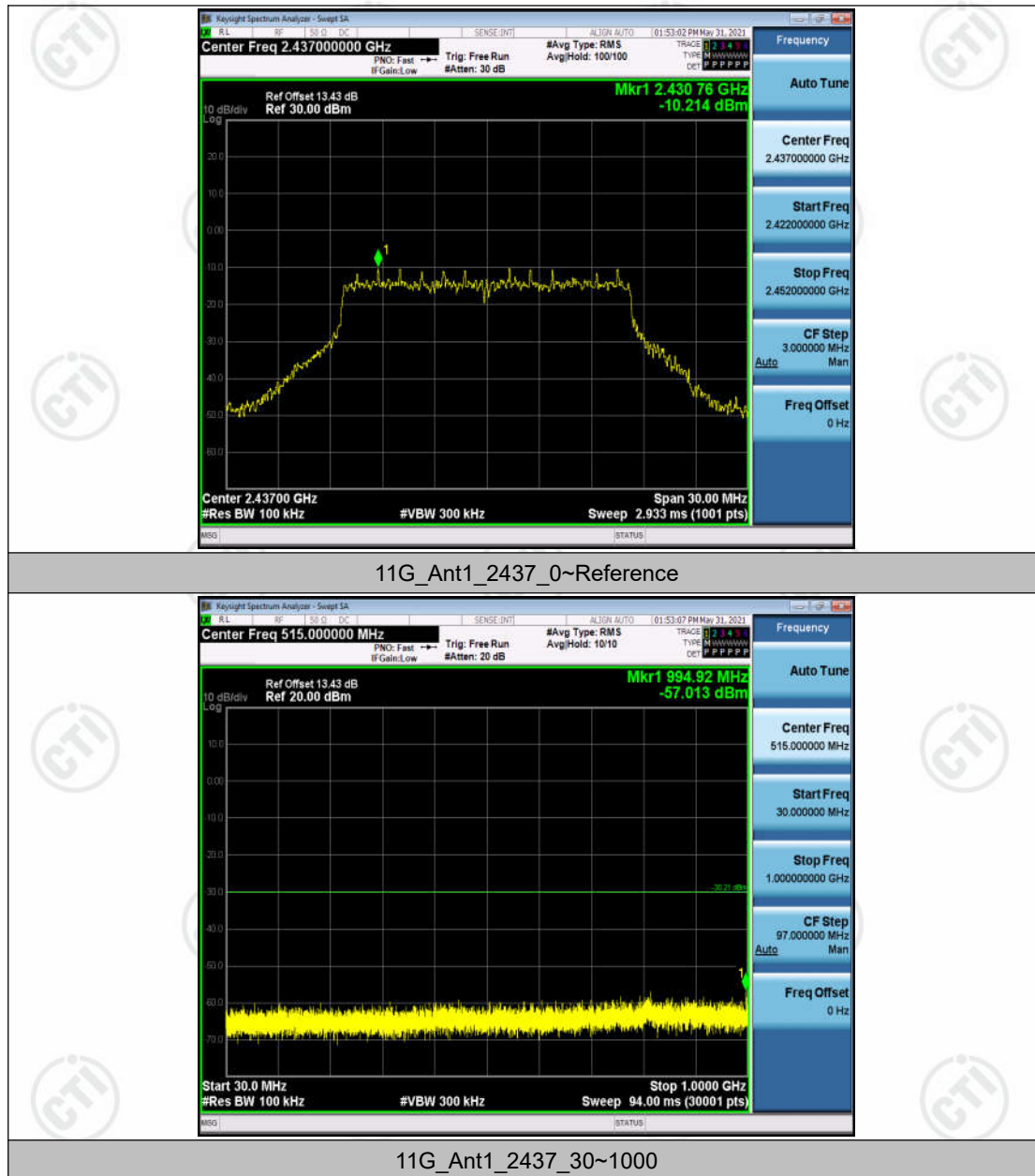


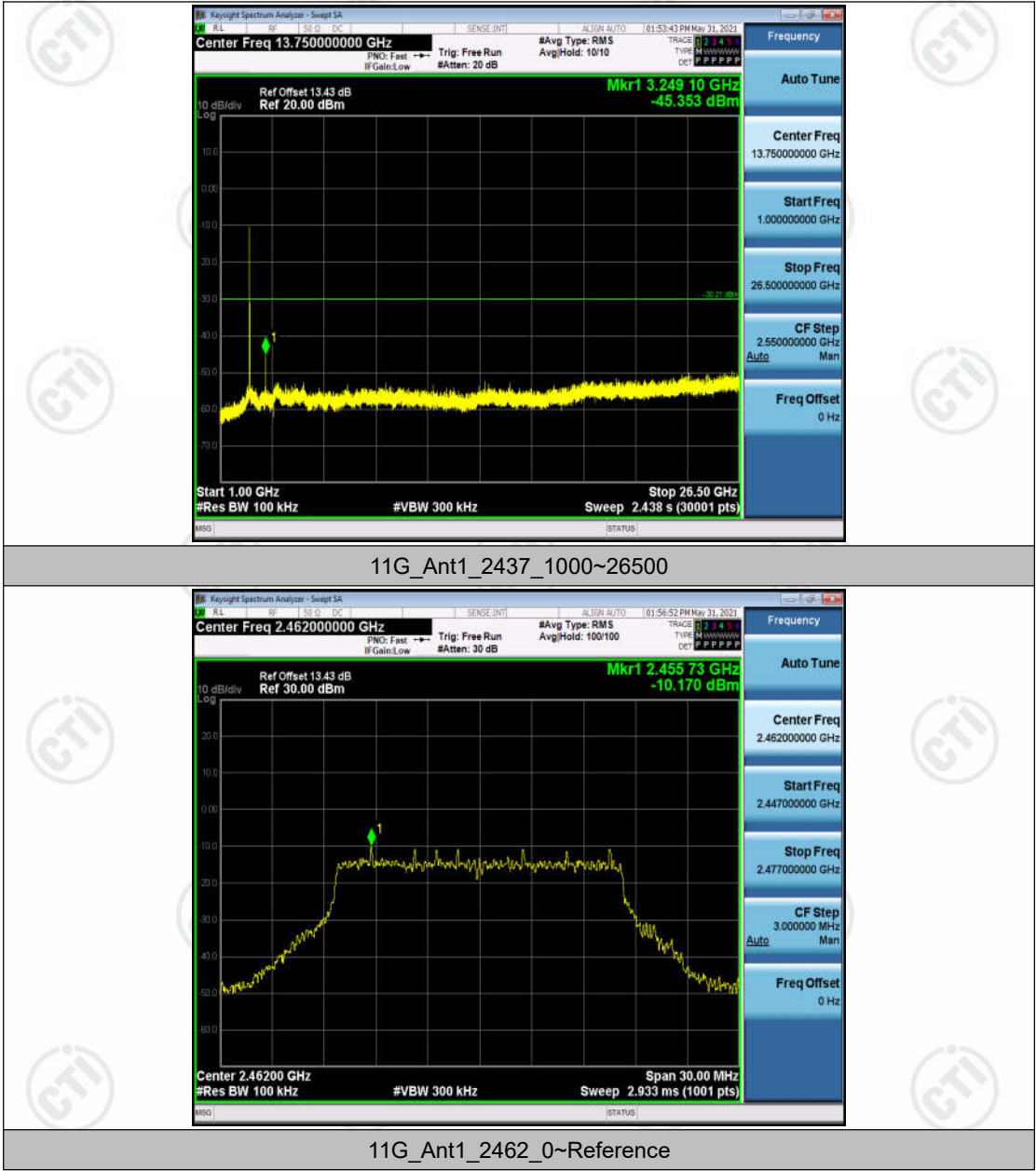


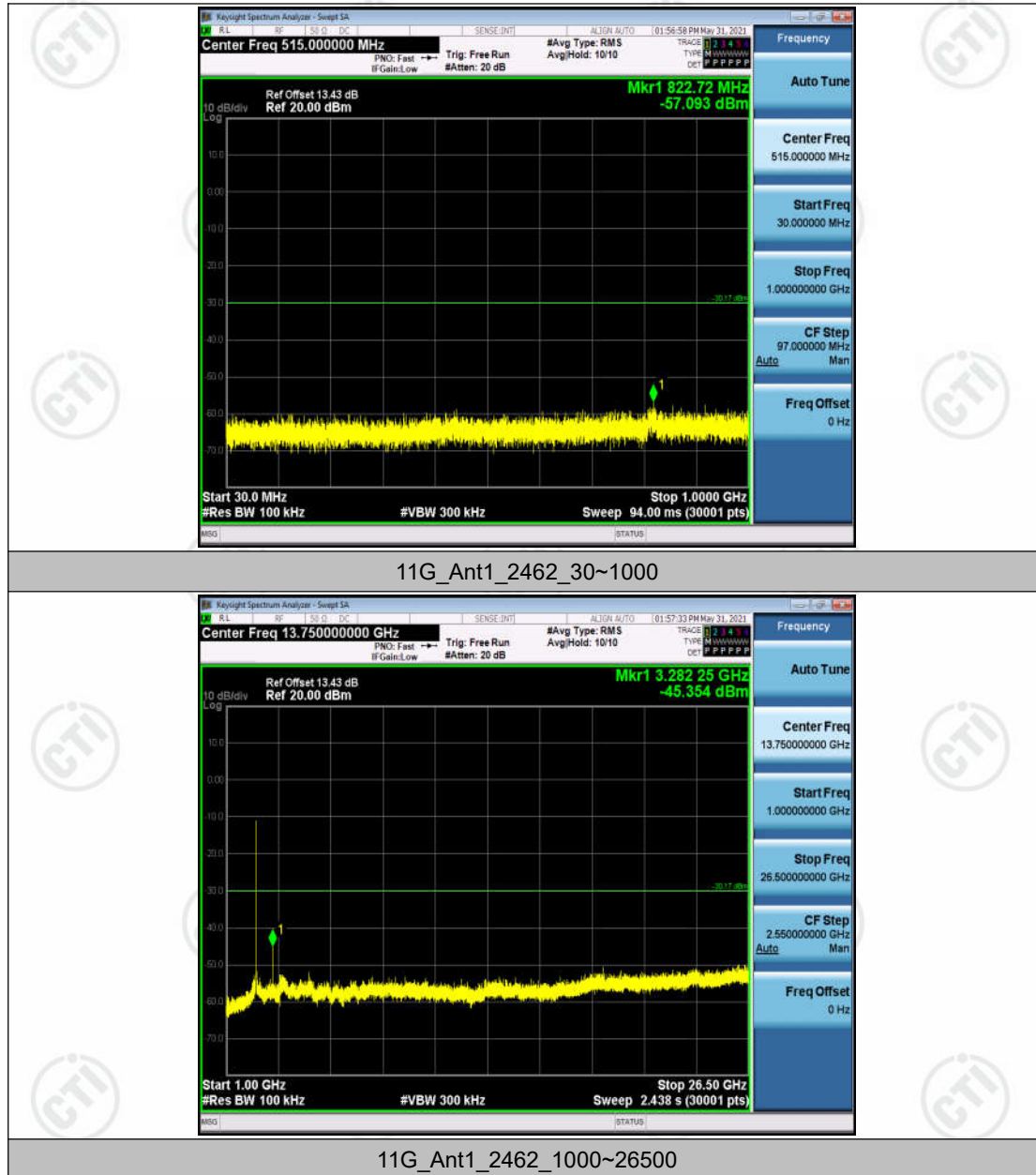


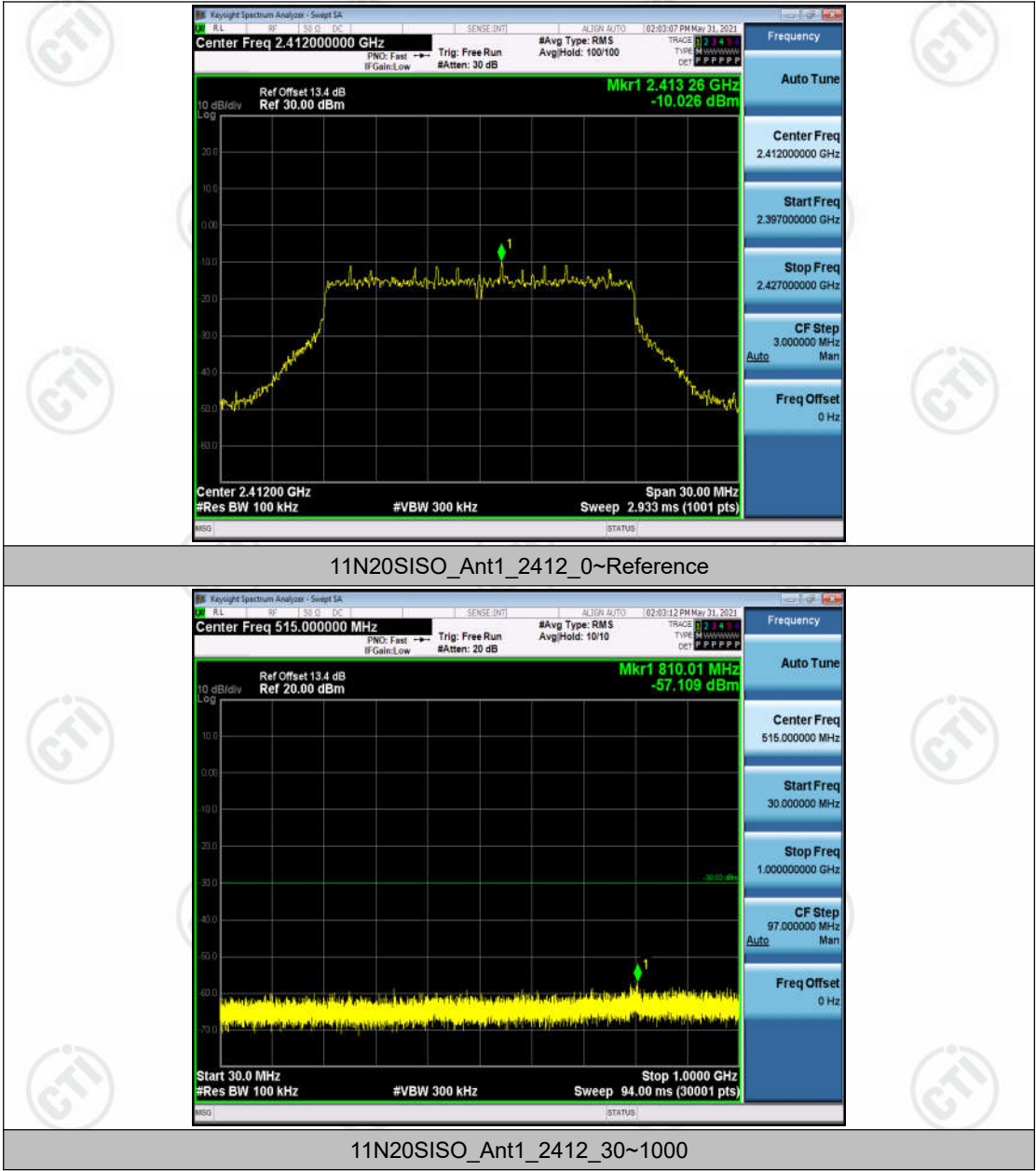


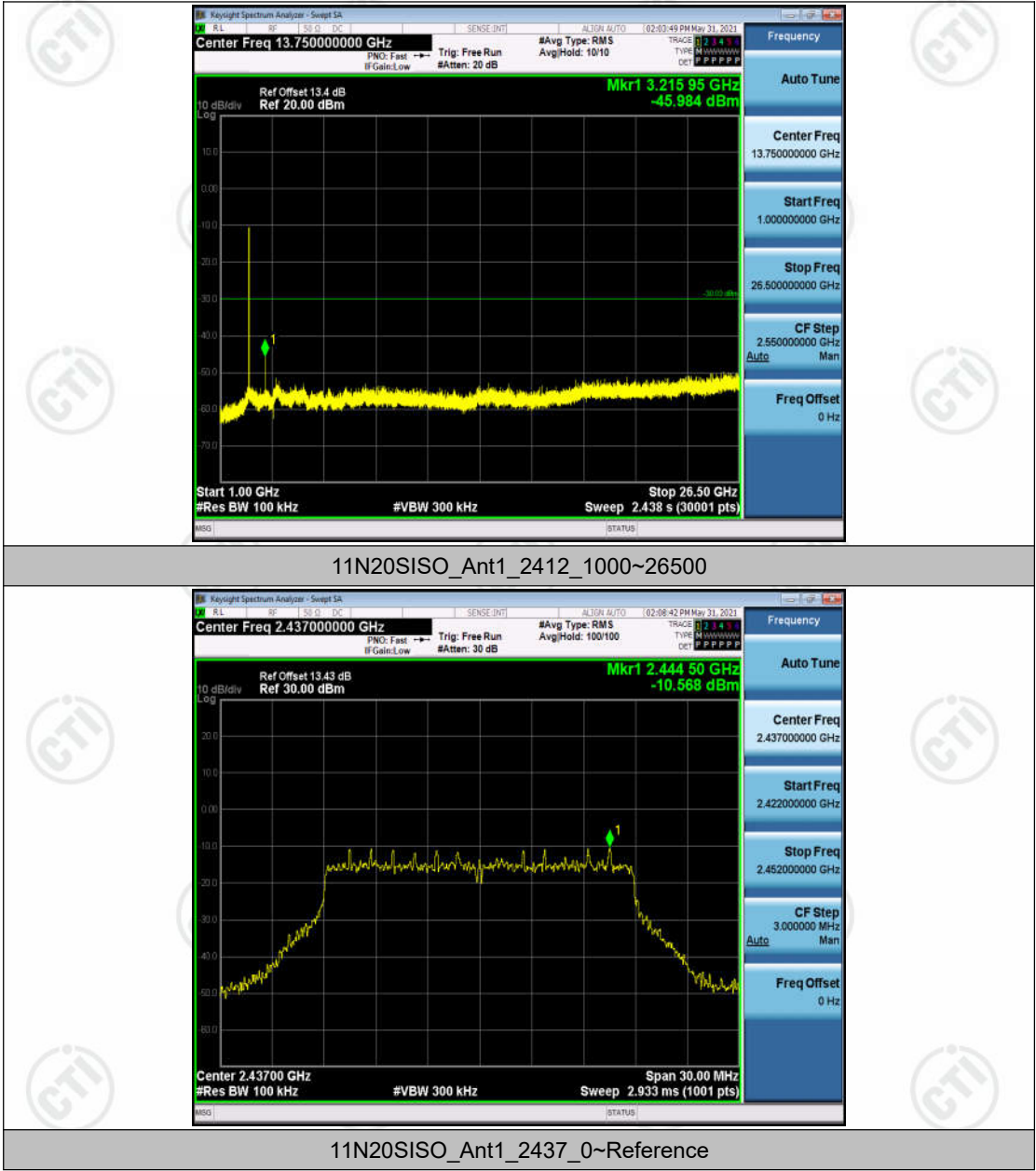


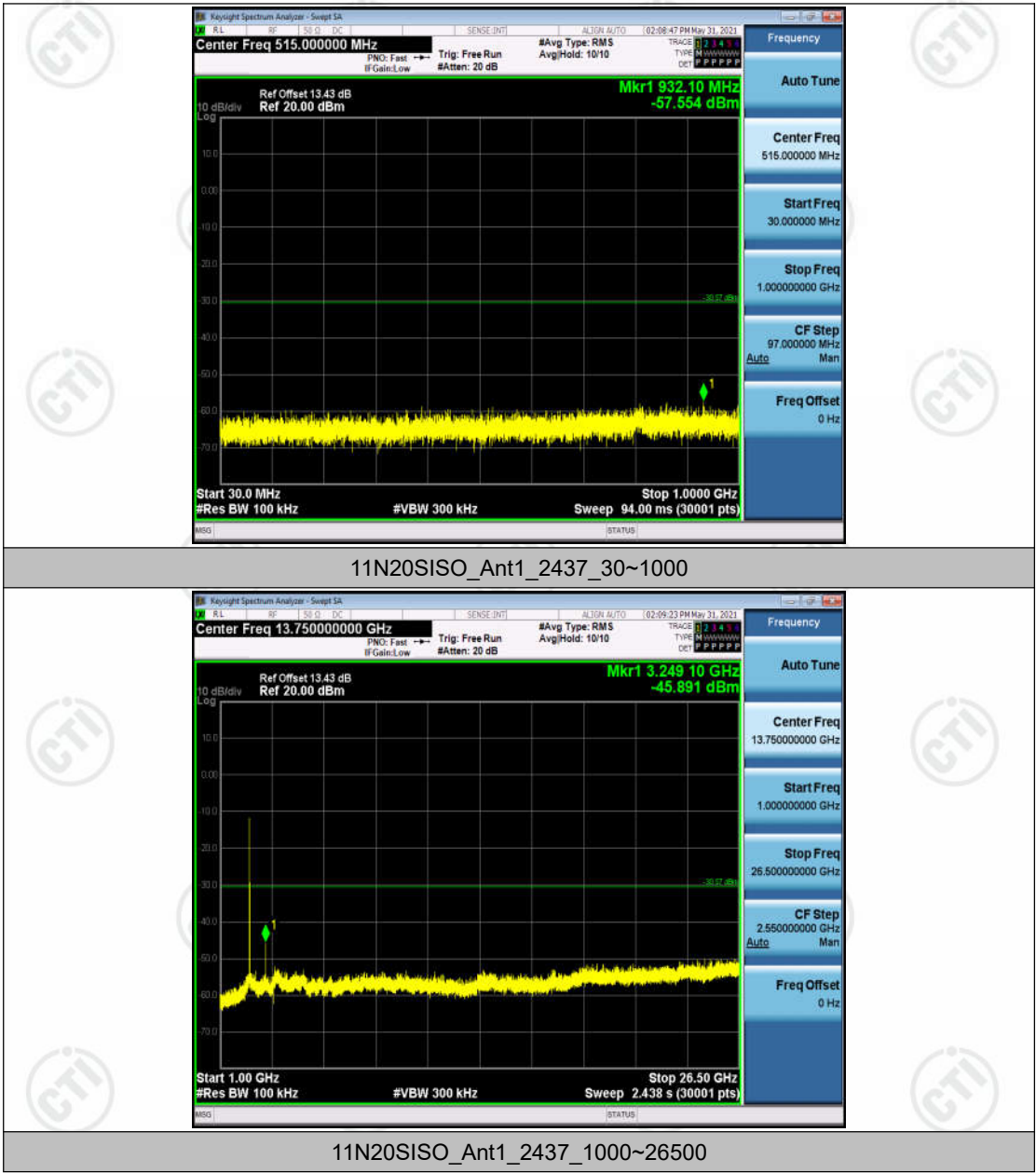


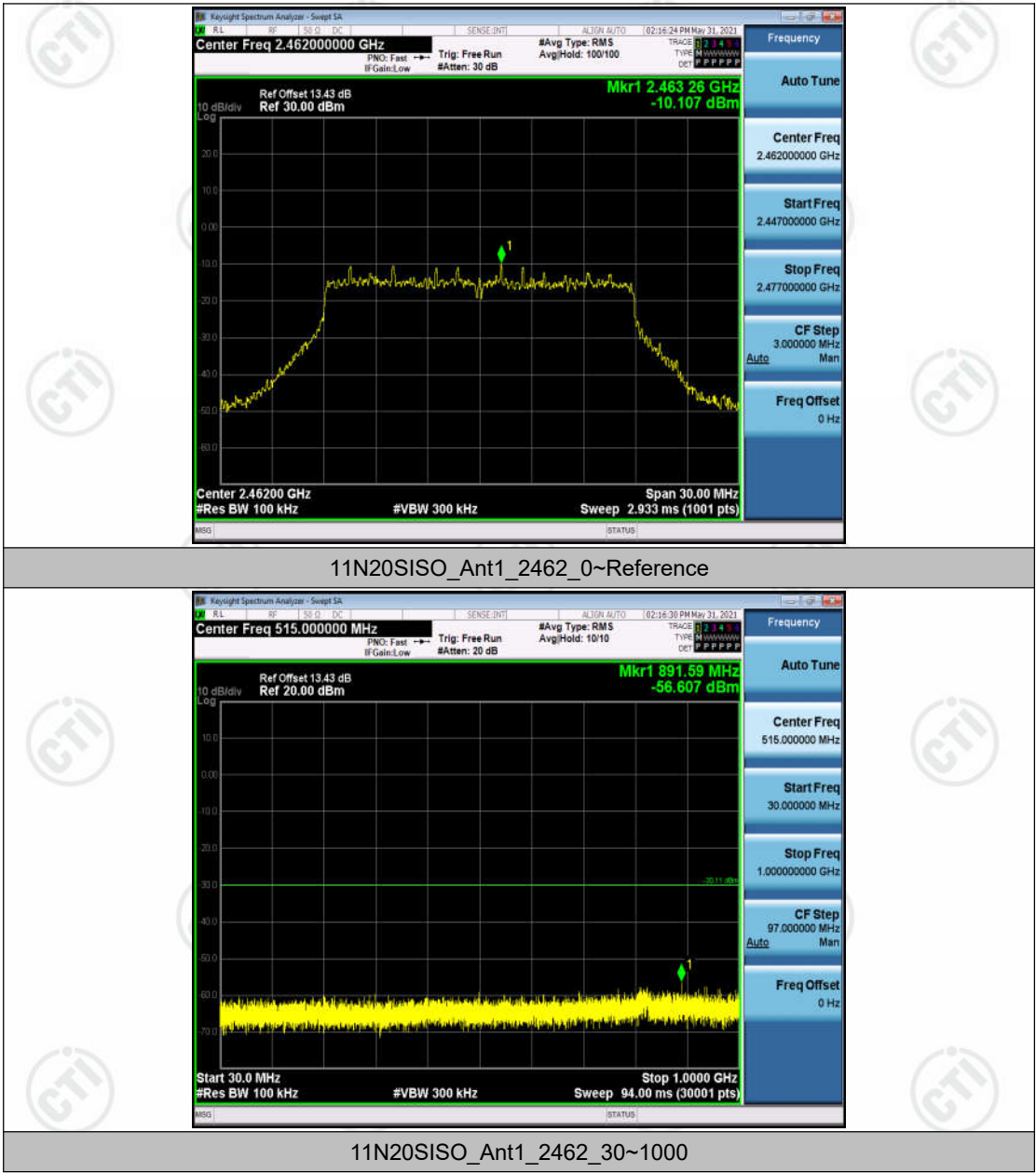


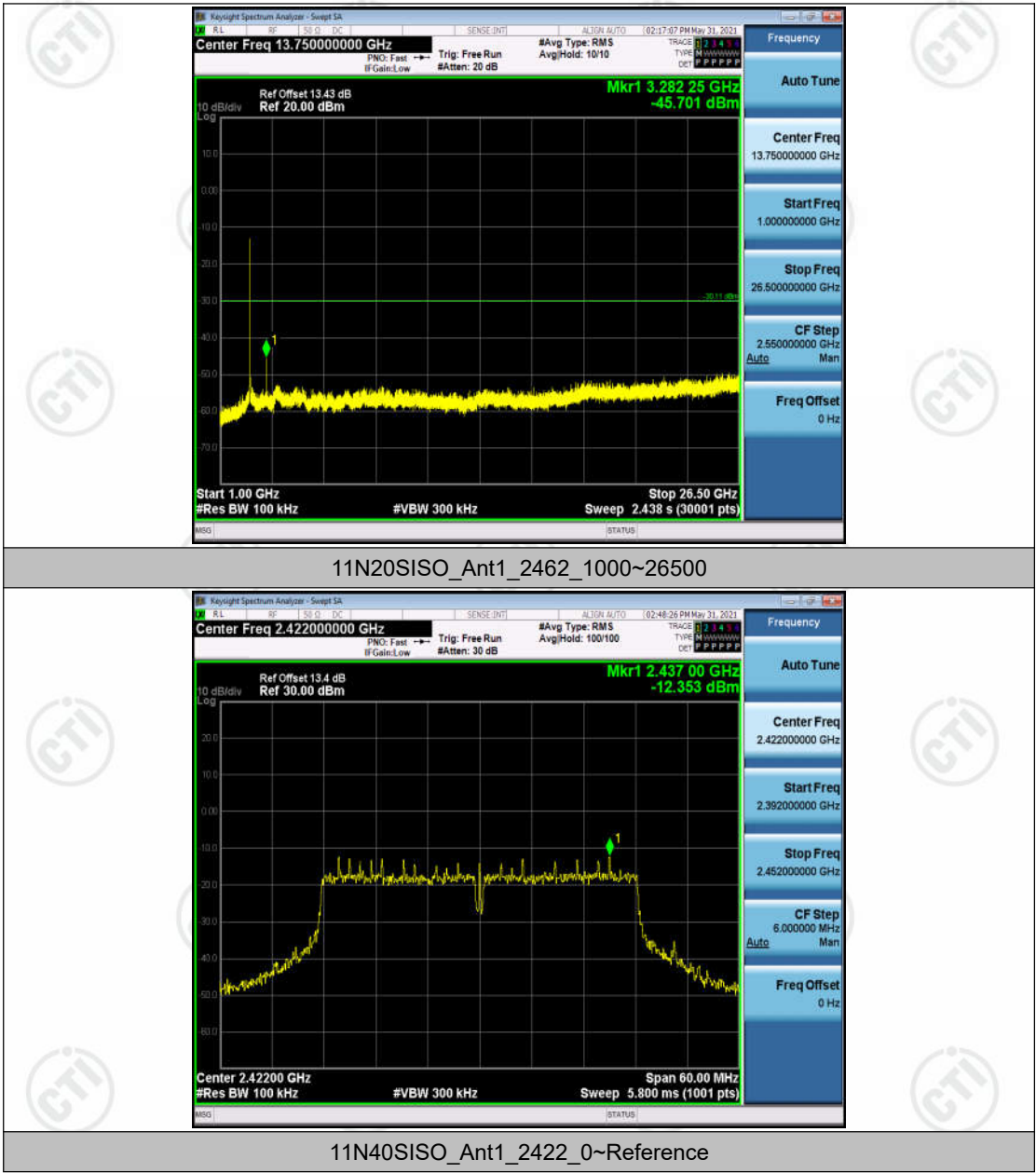


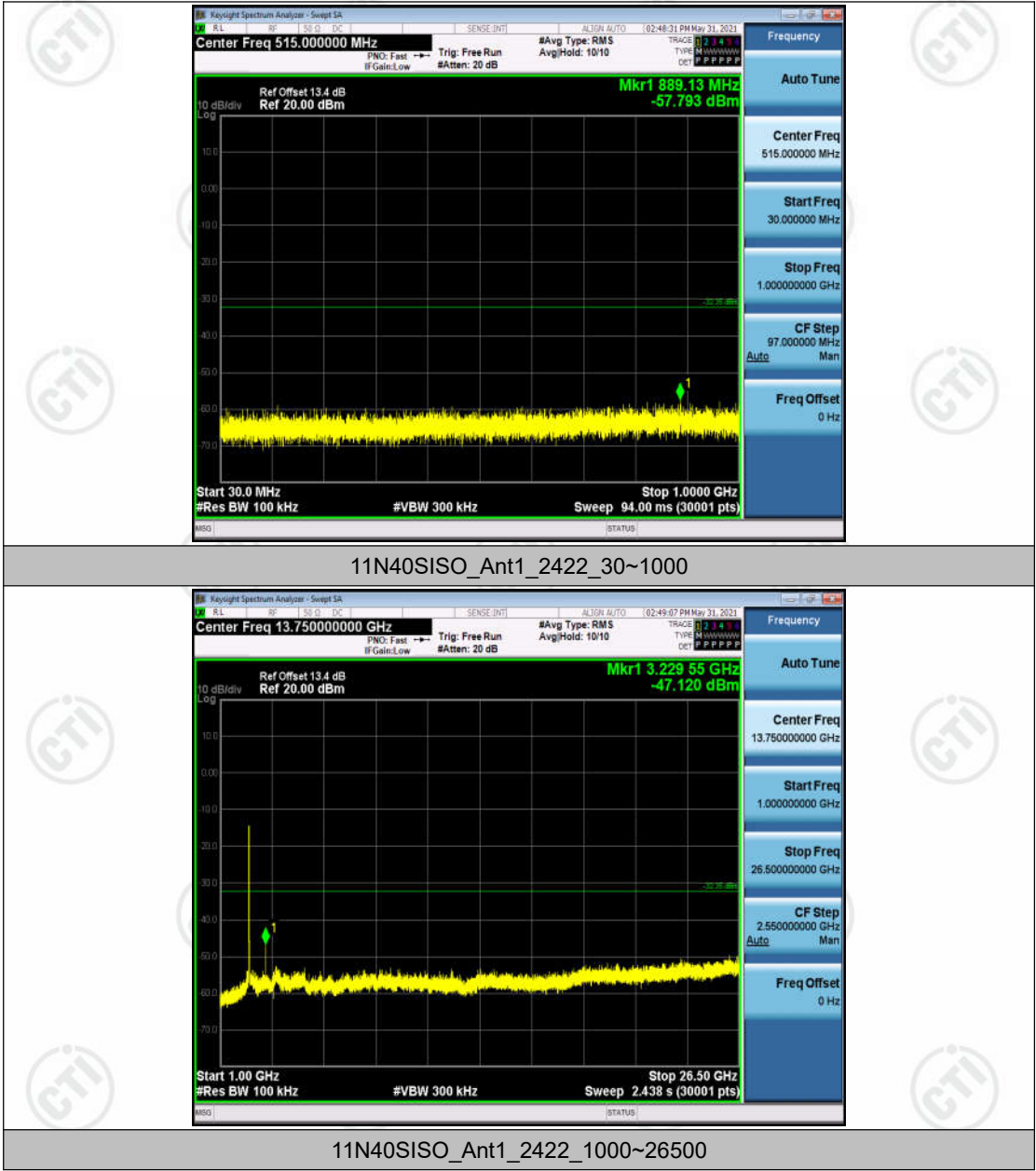


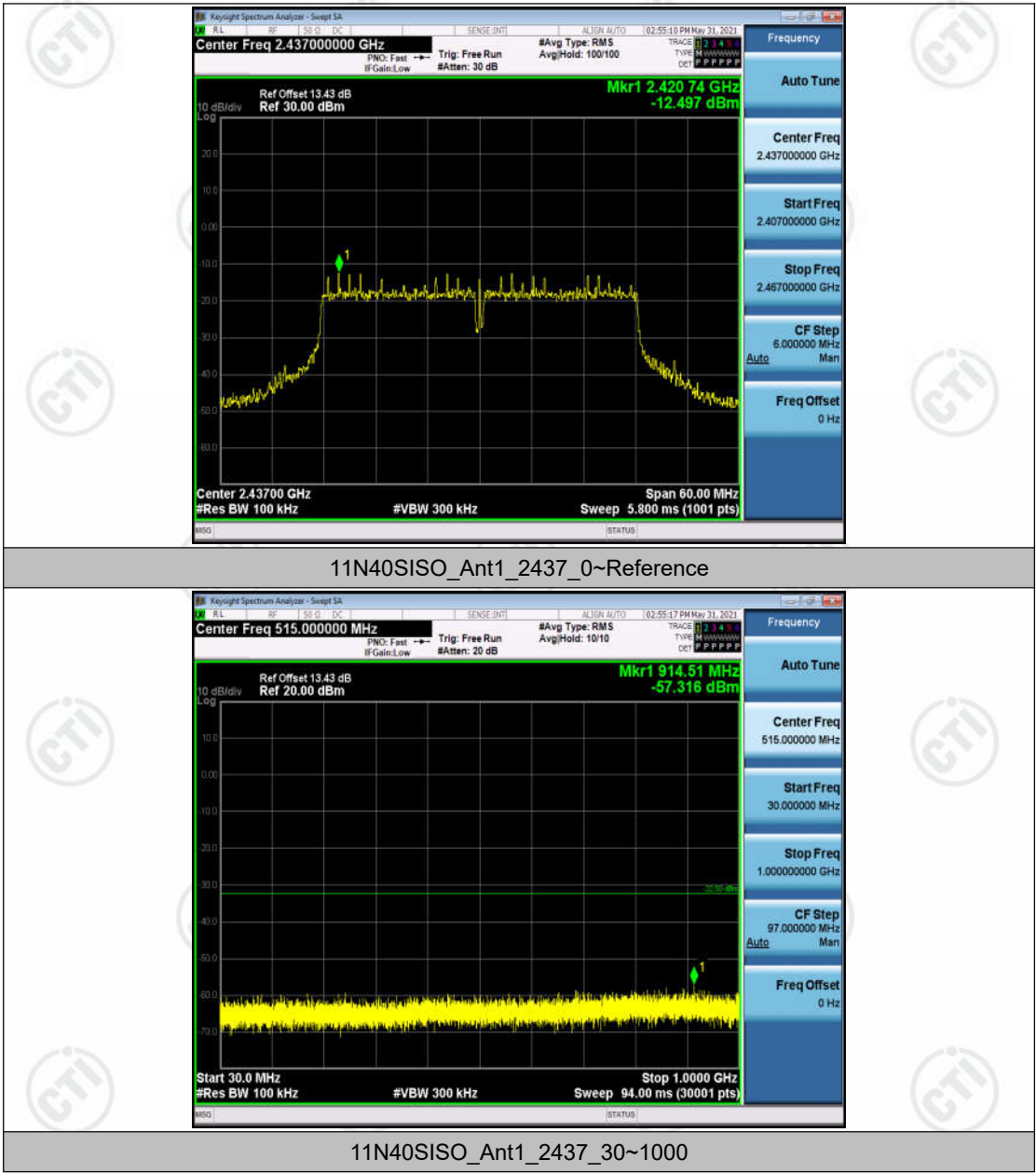


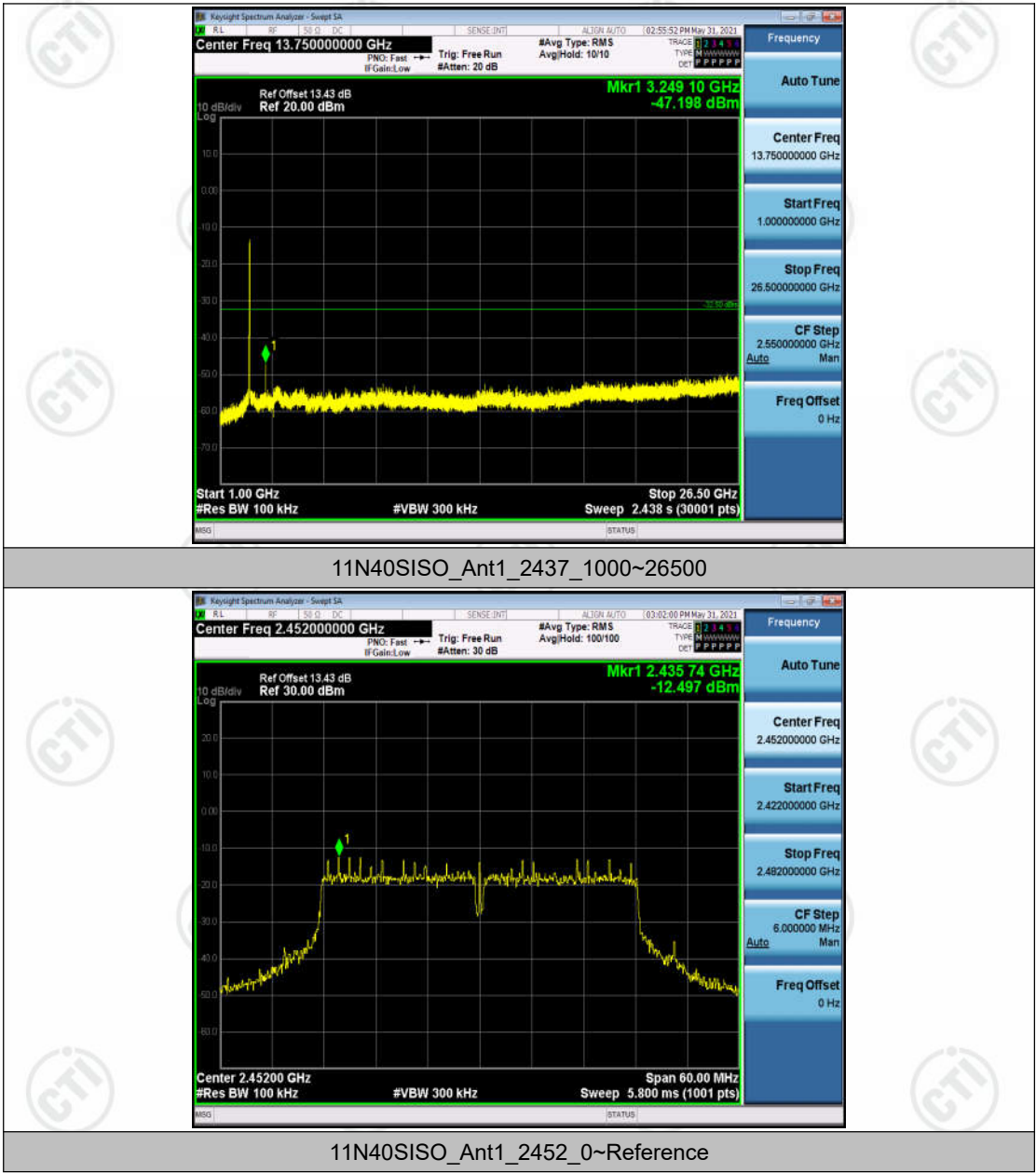


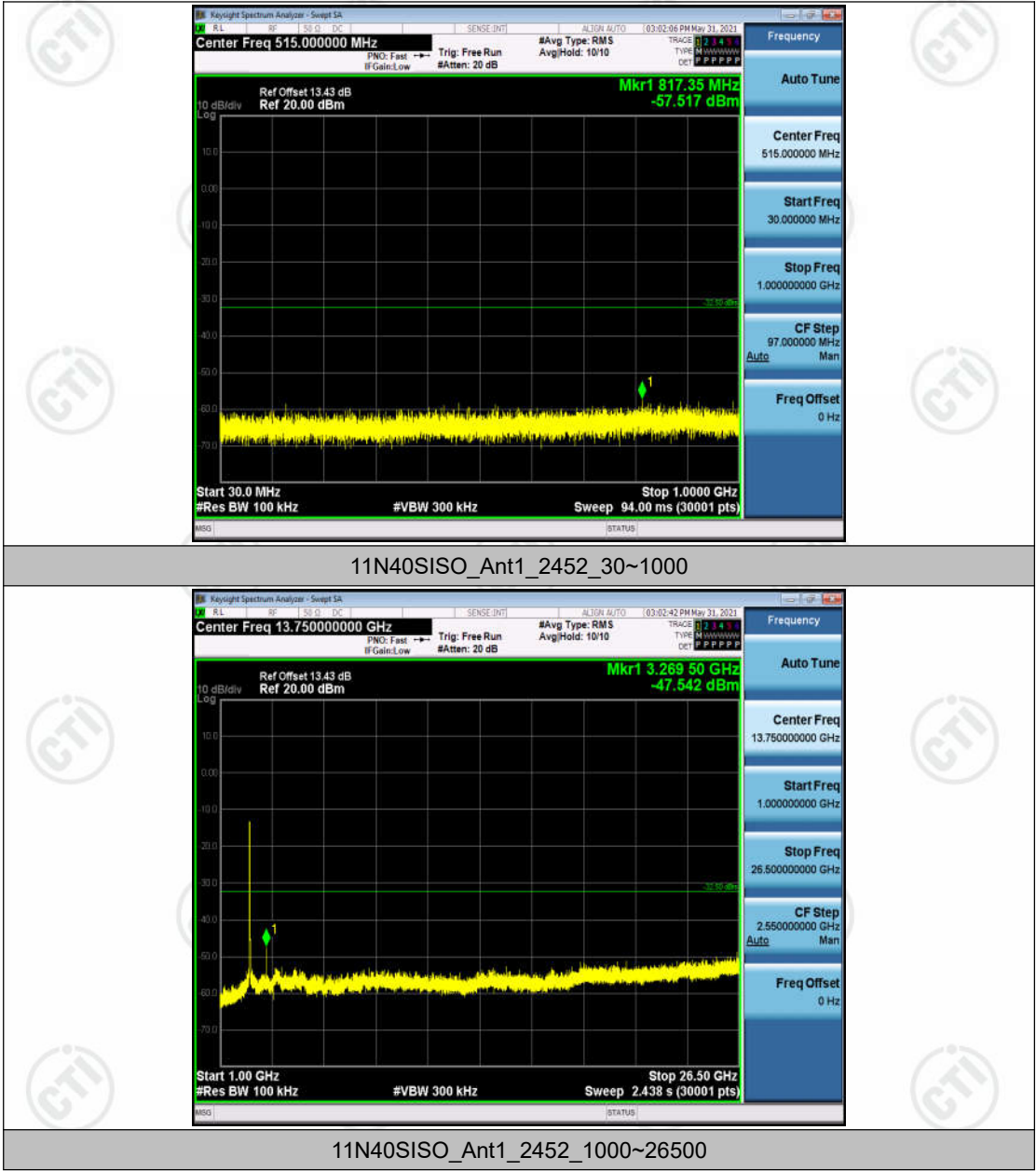










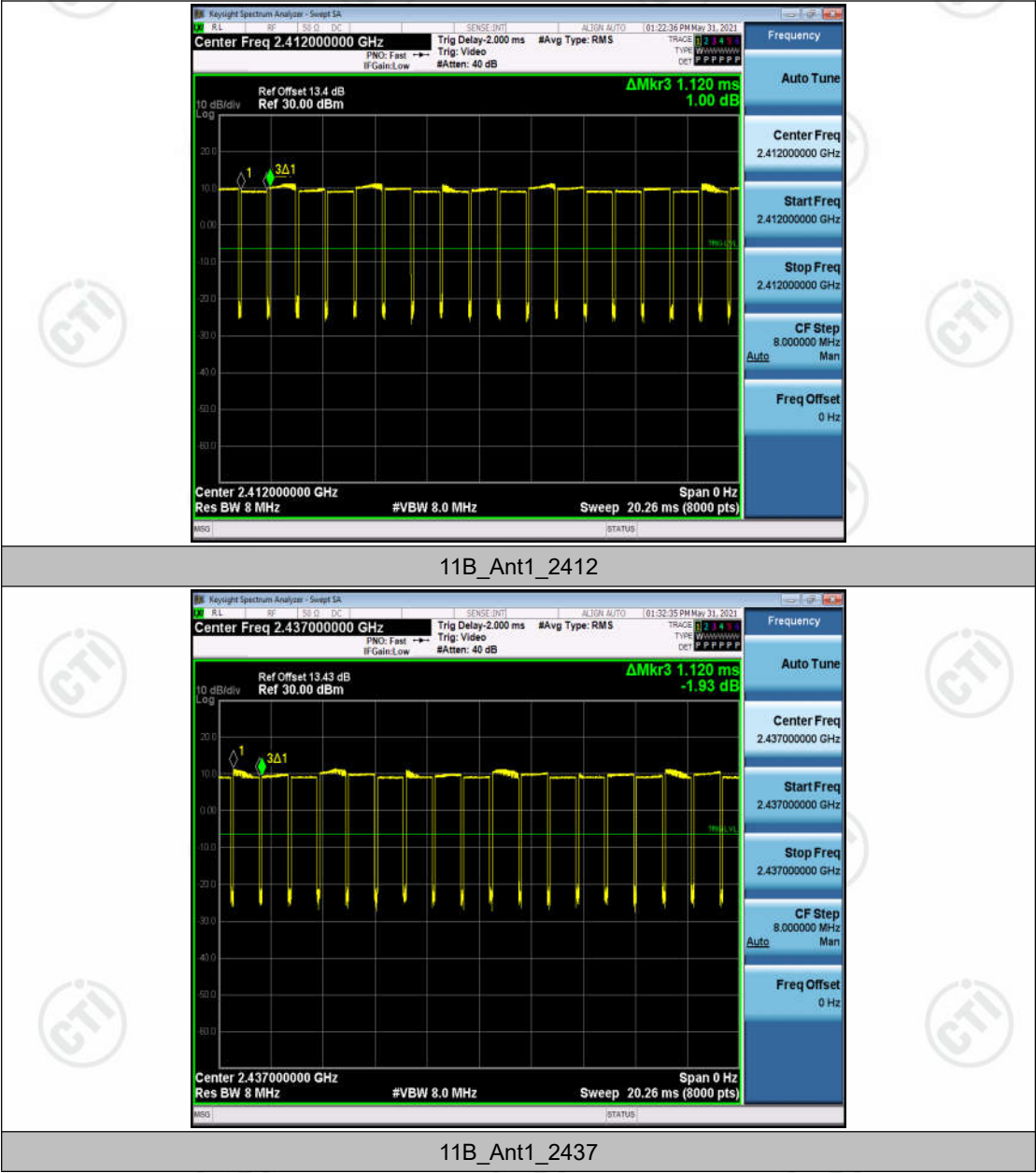


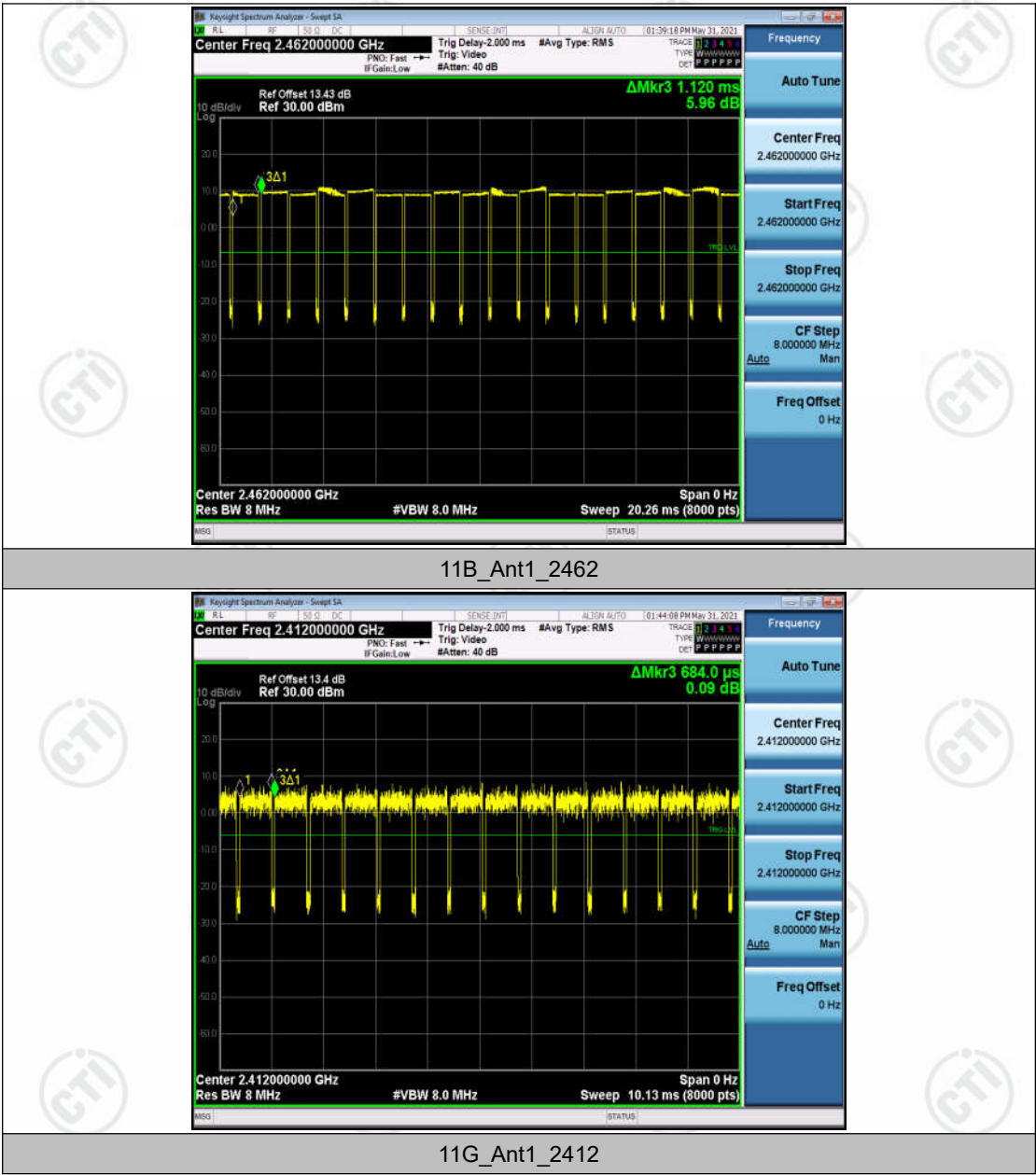
Appendix G: Duty Cycle

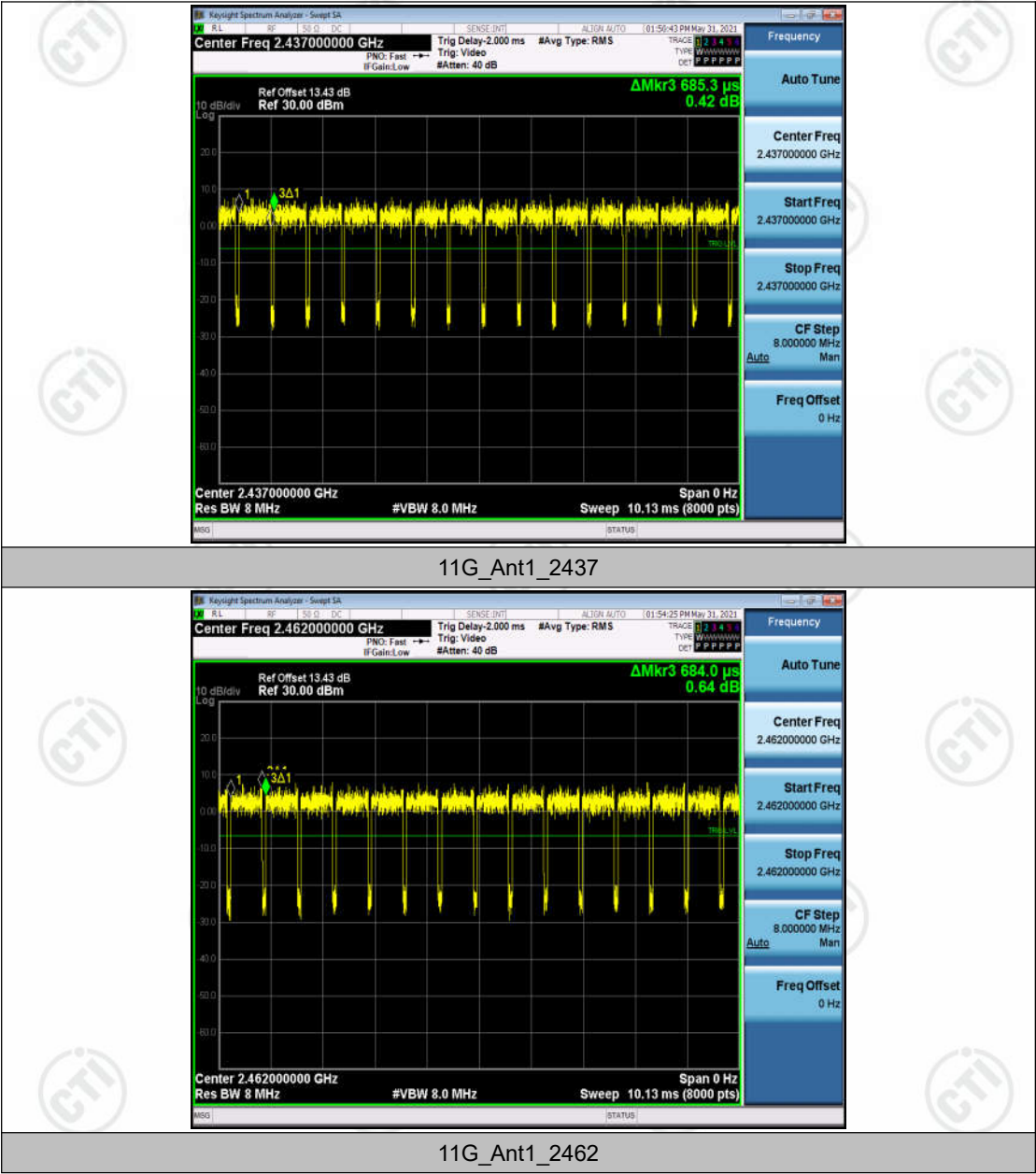
Test Result

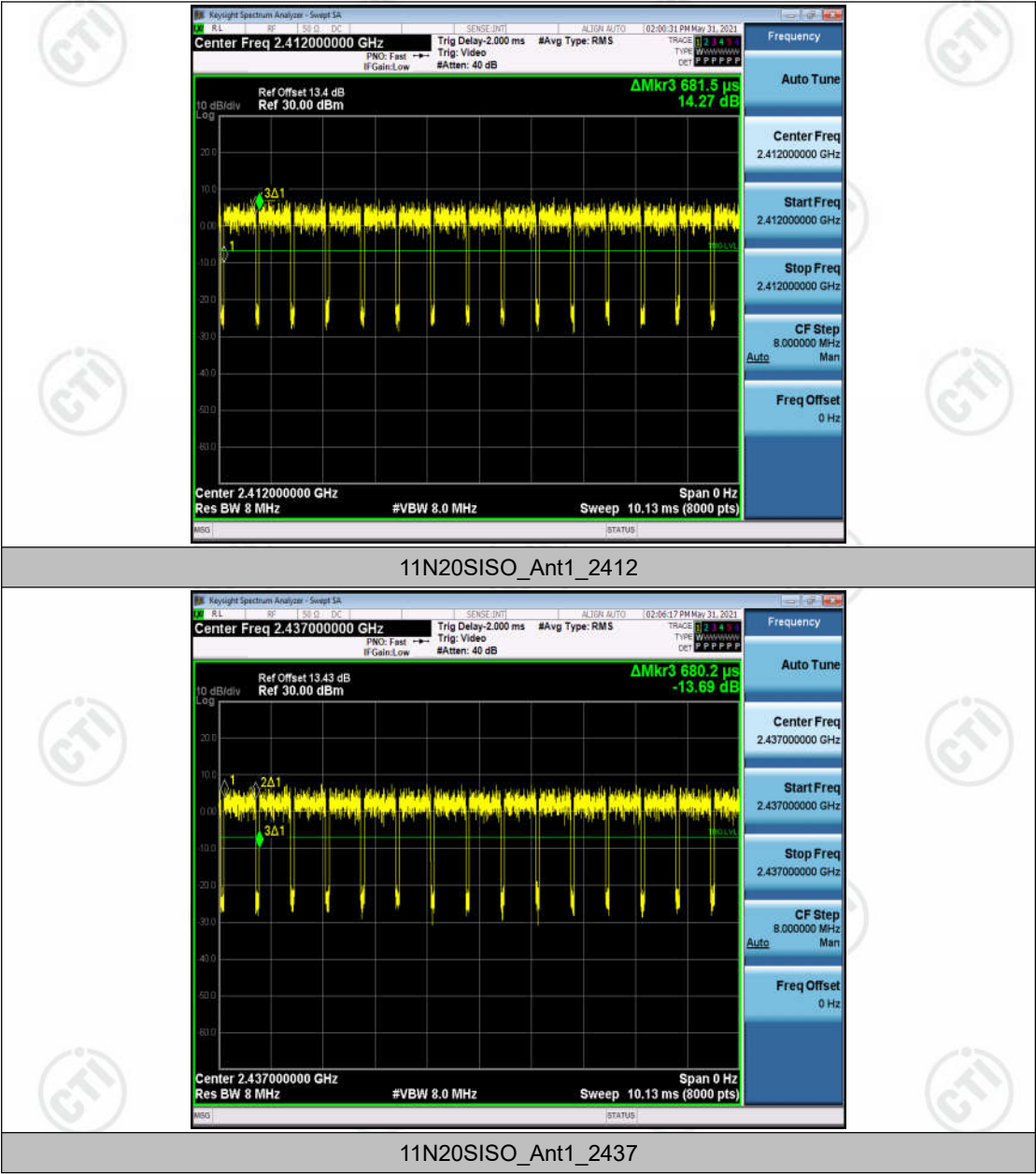
Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	1.00	1.12	89.37	---	PASS
		2437	1.00	1.12	89.37	---	PASS
		2462	1.00	1.12	89.59	---	PASS
11G	Ant1	2412	0.61	0.68	89.81	---	PASS
		2437	0.61	0.69	89.46	---	PASS
		2462	0.61	0.68	89.81	---	PASS
11N20SISO	Ant1	2412	0.61	0.68	89.59	---	PASS
		2437	0.61	0.68	89.57	---	PASS
		2462	0.61	0.68	89.57	---	PASS
11N40SISO	Ant1	2422	0.63	1.64	38.50	---	PASS
		2437	0.63	1.64	38.54	---	PASS
		2452	0.63	1.64	38.54	---	PASS

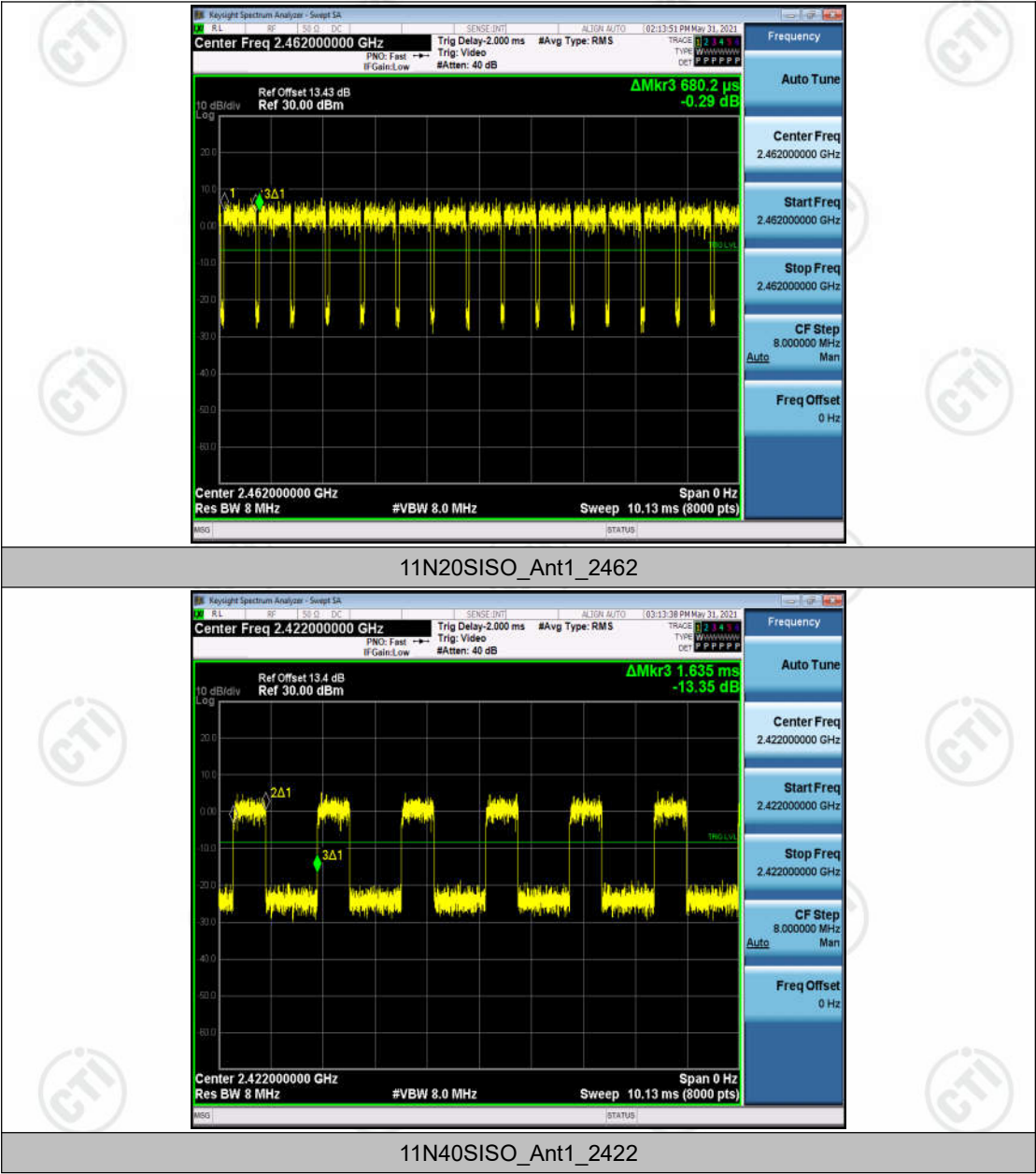
Test Graphs

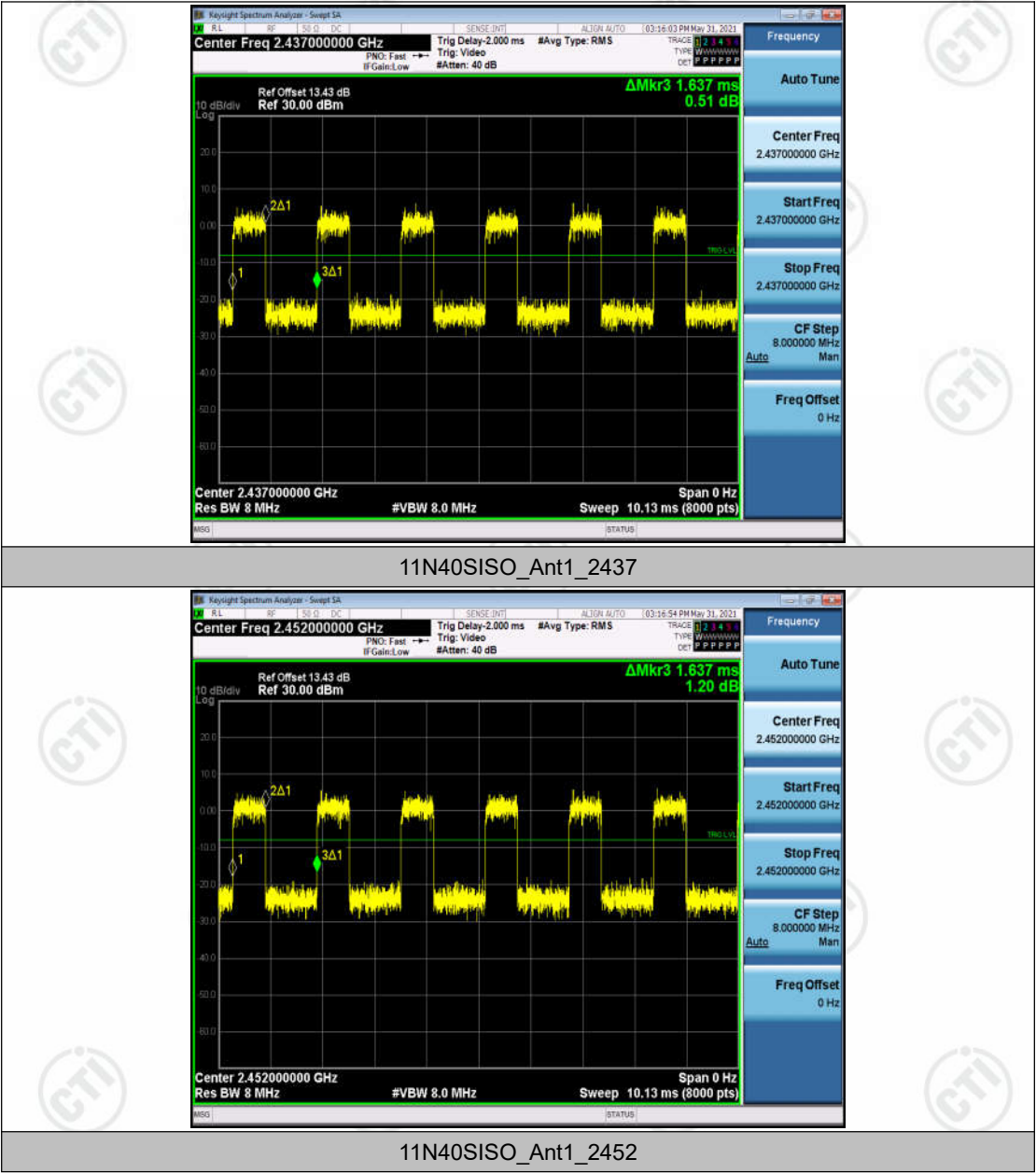












*** End of Report ***