

Appendix: 2.4G WIFI

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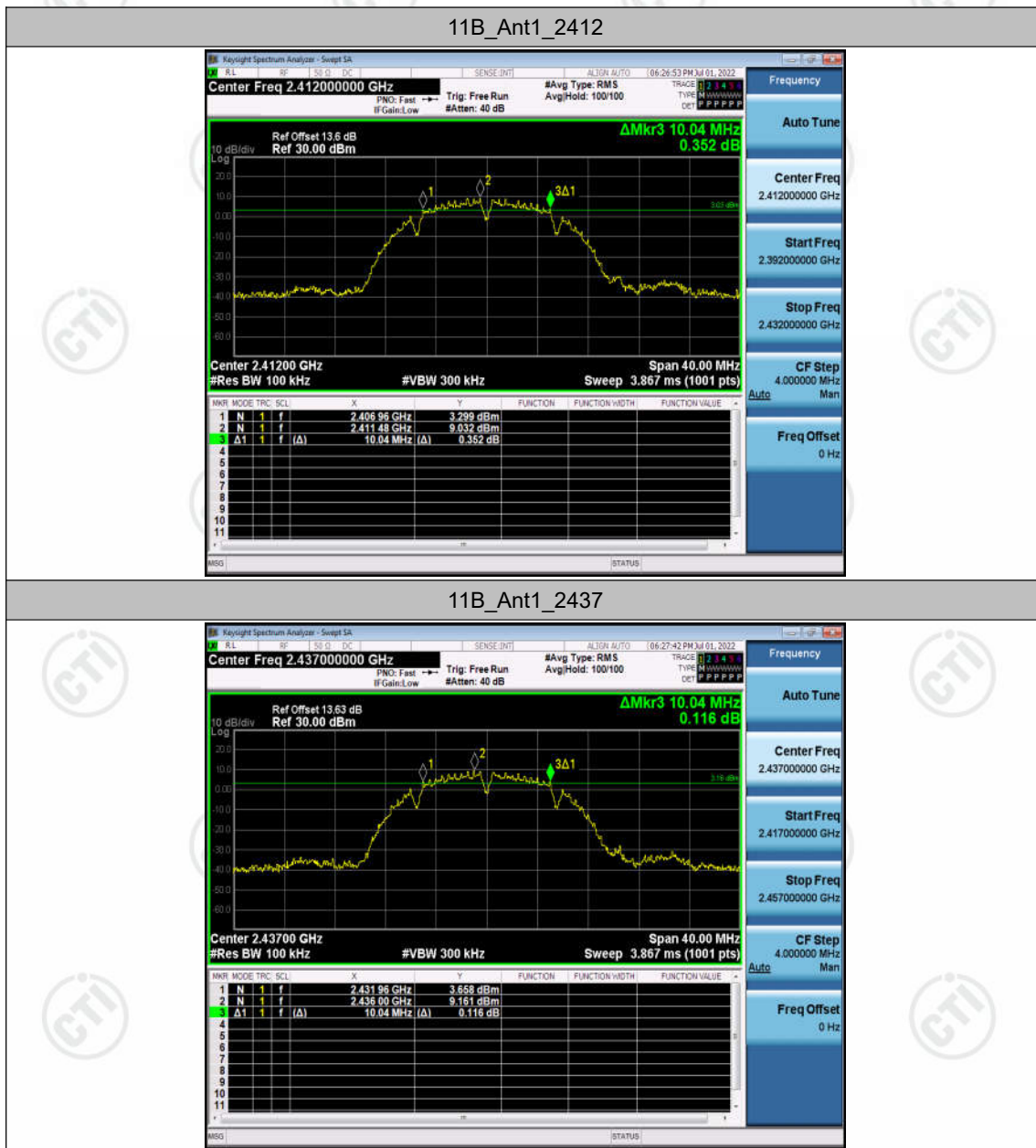
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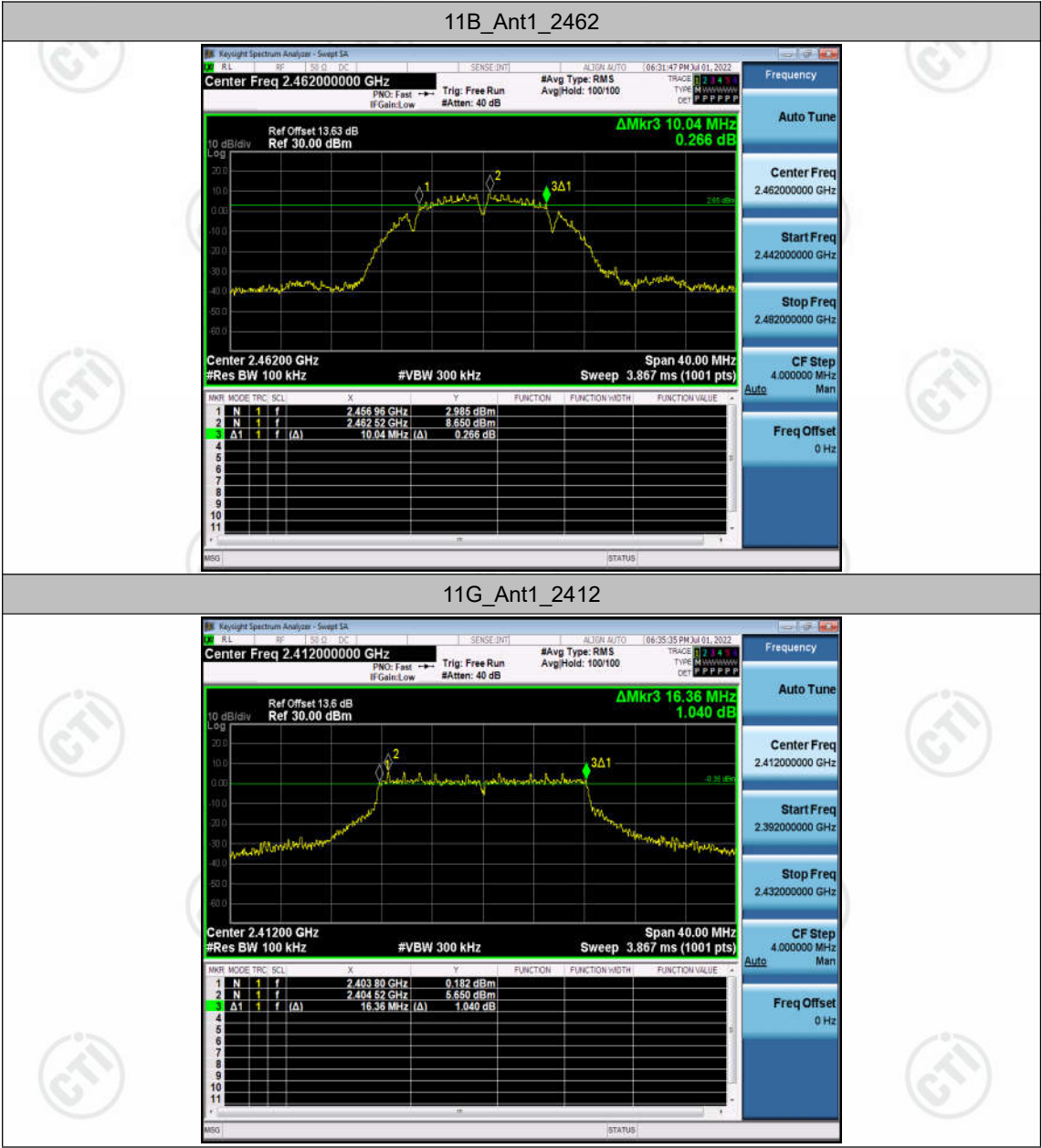
Appendix A: DTS Bandwidth

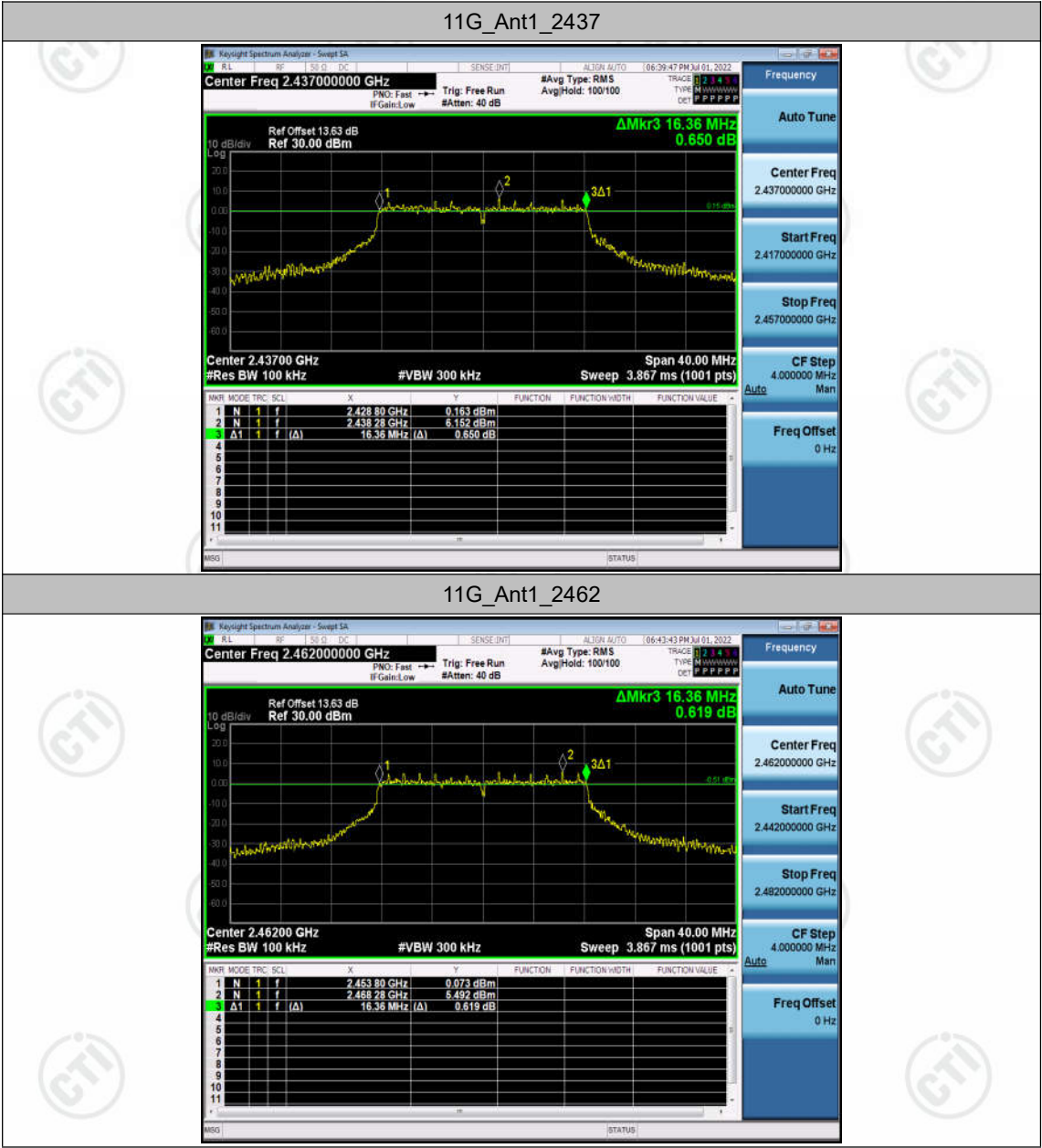
Test Result

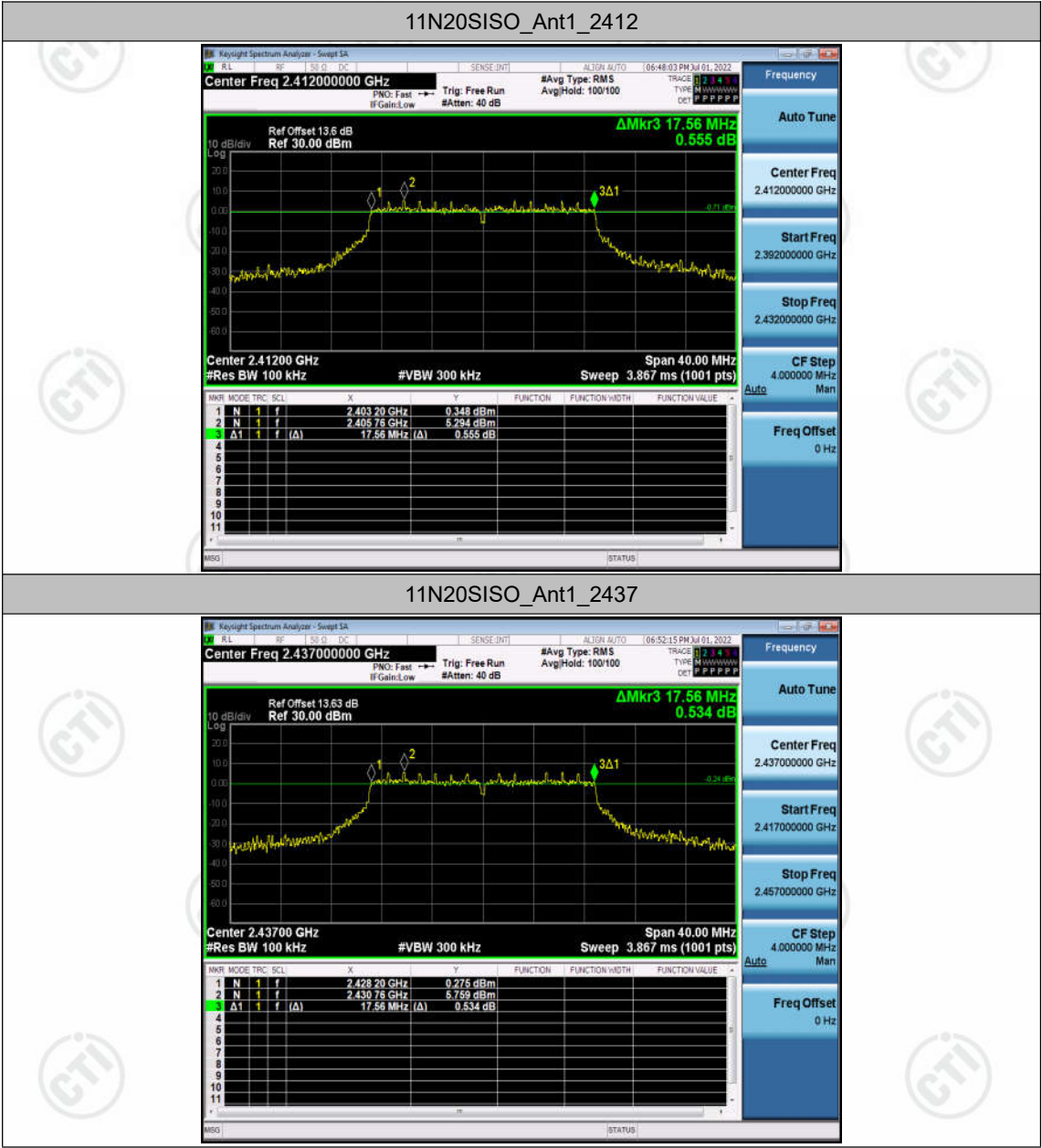
Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.040	2406.960	2417.000	0.5	PASS
		2437	10.040	2431.960	2442.000	0.5	PASS
		2462	10.040	2456.960	2467.000	0.5	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	0.5	PASS
		2437	16.360	2428.800	2445.160	0.5	PASS
		2462	16.360	2453.800	2470.160	0.5	PASS
11N20SI SO	Ant1	2412	17.560	2403.200	2420.760	0.5	PASS
		2437	17.560	2428.200	2445.760	0.5	PASS
		2462	17.560	2453.200	2470.760	0.5	PASS
11N40SI SO	Ant1	2422	36.320	2403.840	2440.160	0.5	PASS
		2437	36.080	2418.840	2454.920	0.5	PASS
		2452	36.320	2433.840	2470.160	0.5	PASS

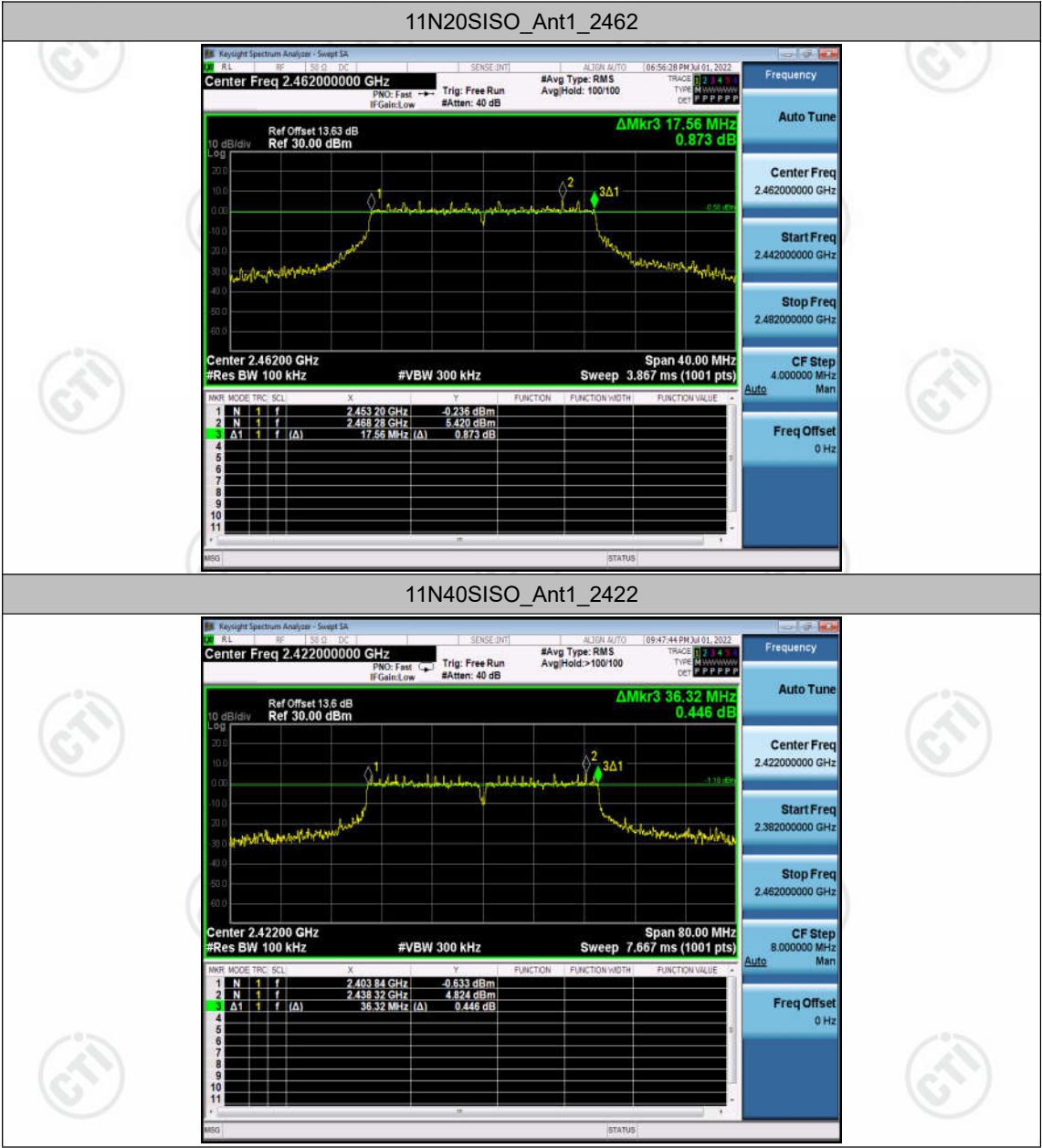
Test Graphs

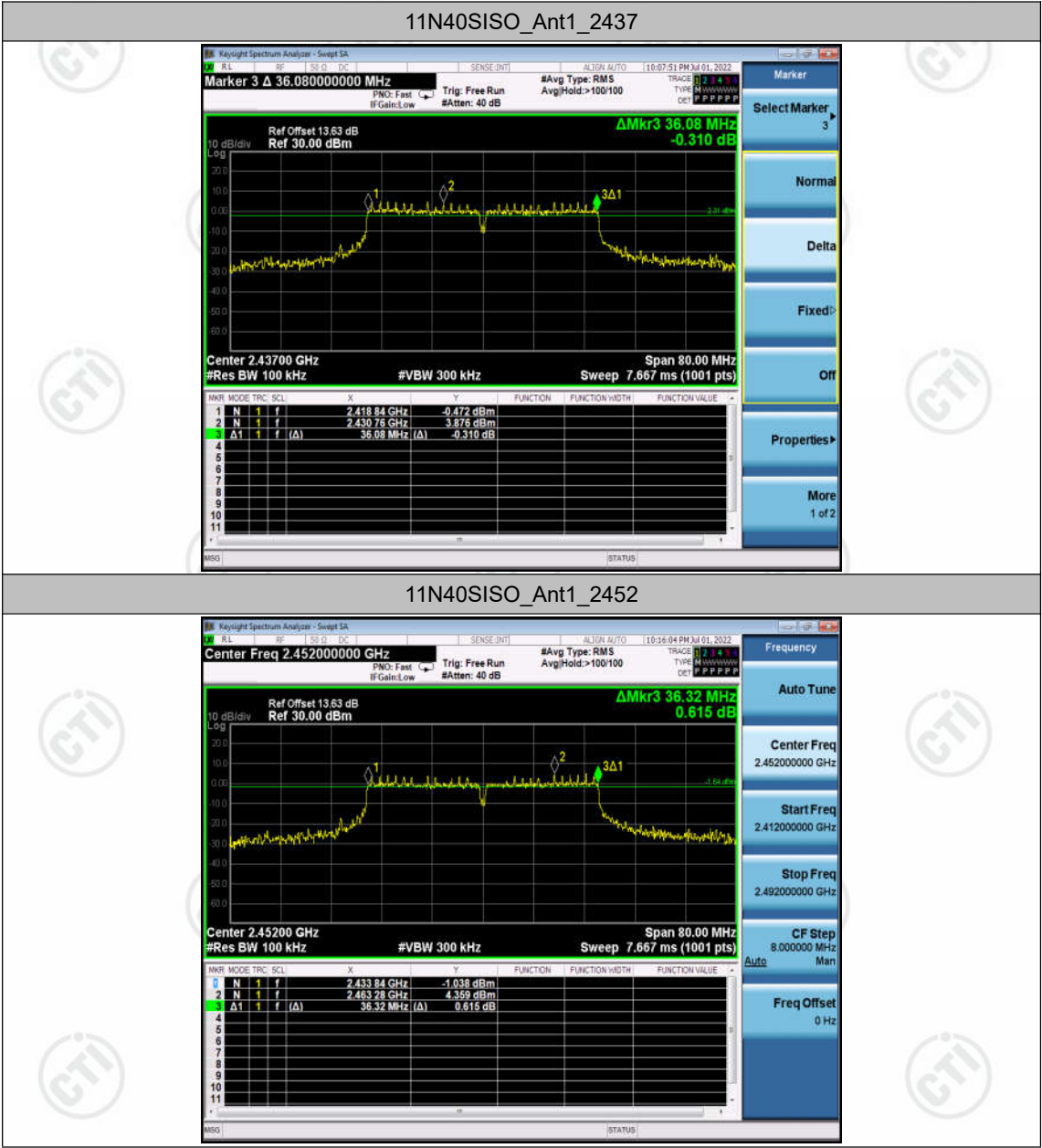










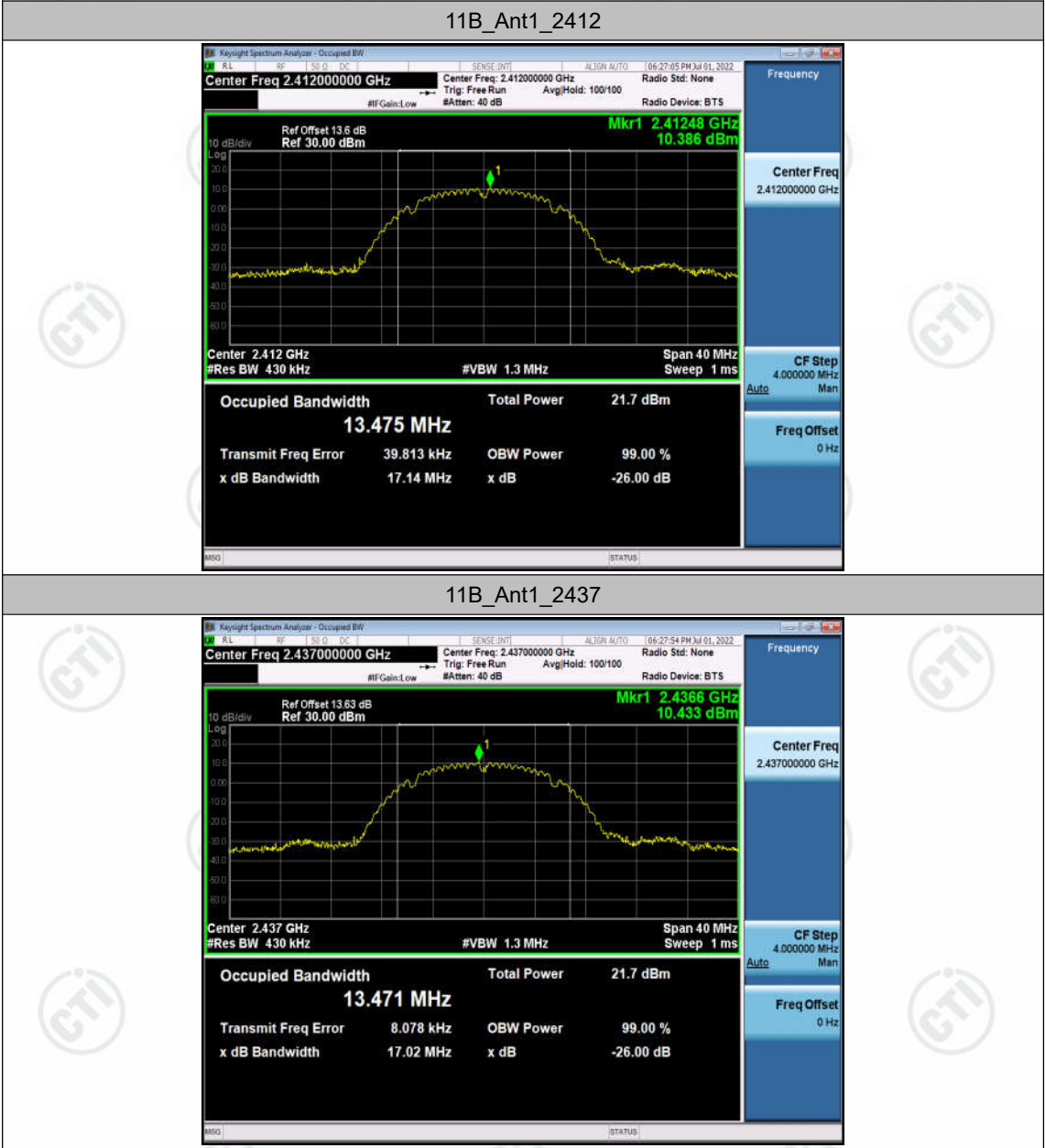


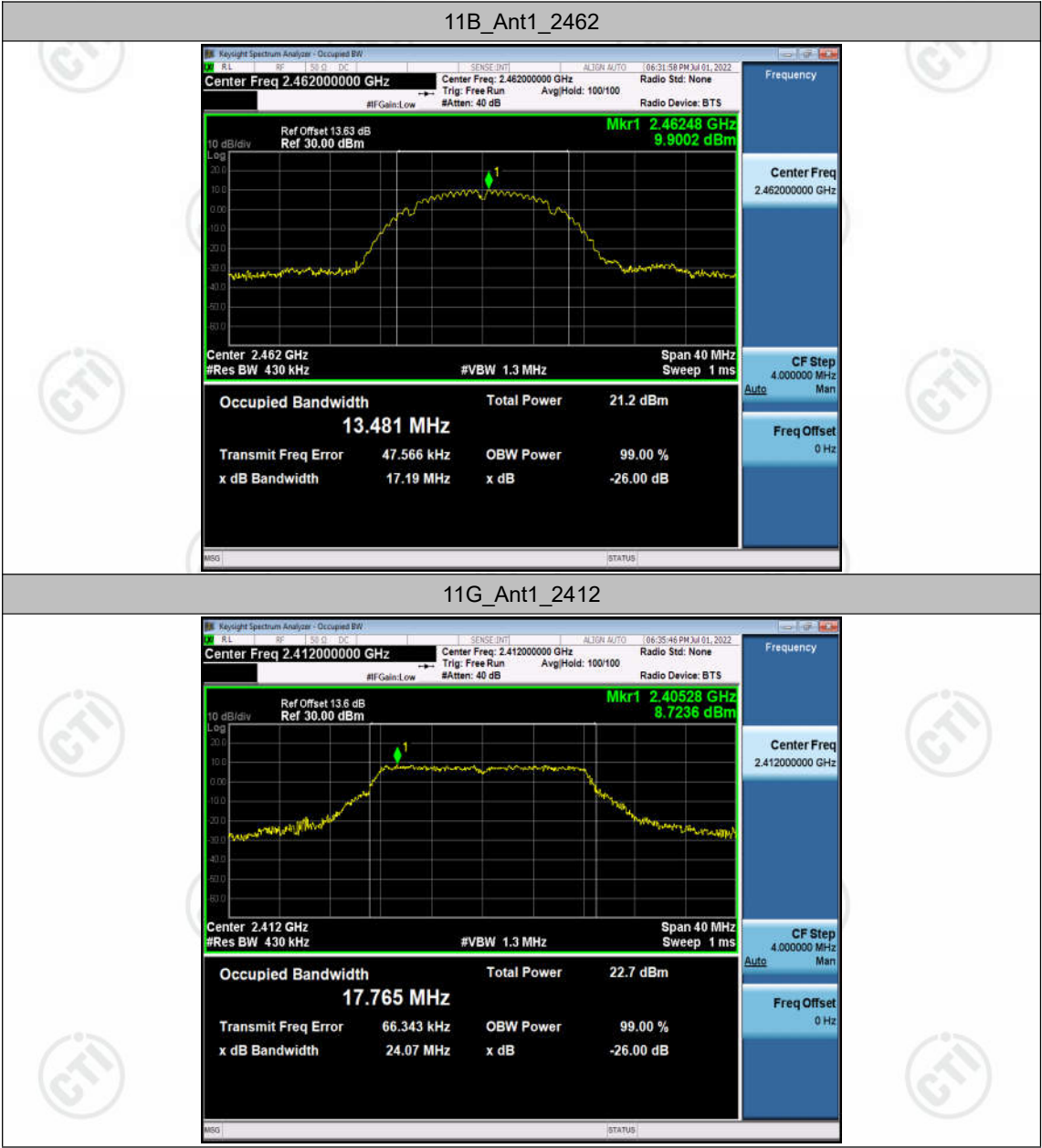
Appendix B: Occupied Channel Bandwidth

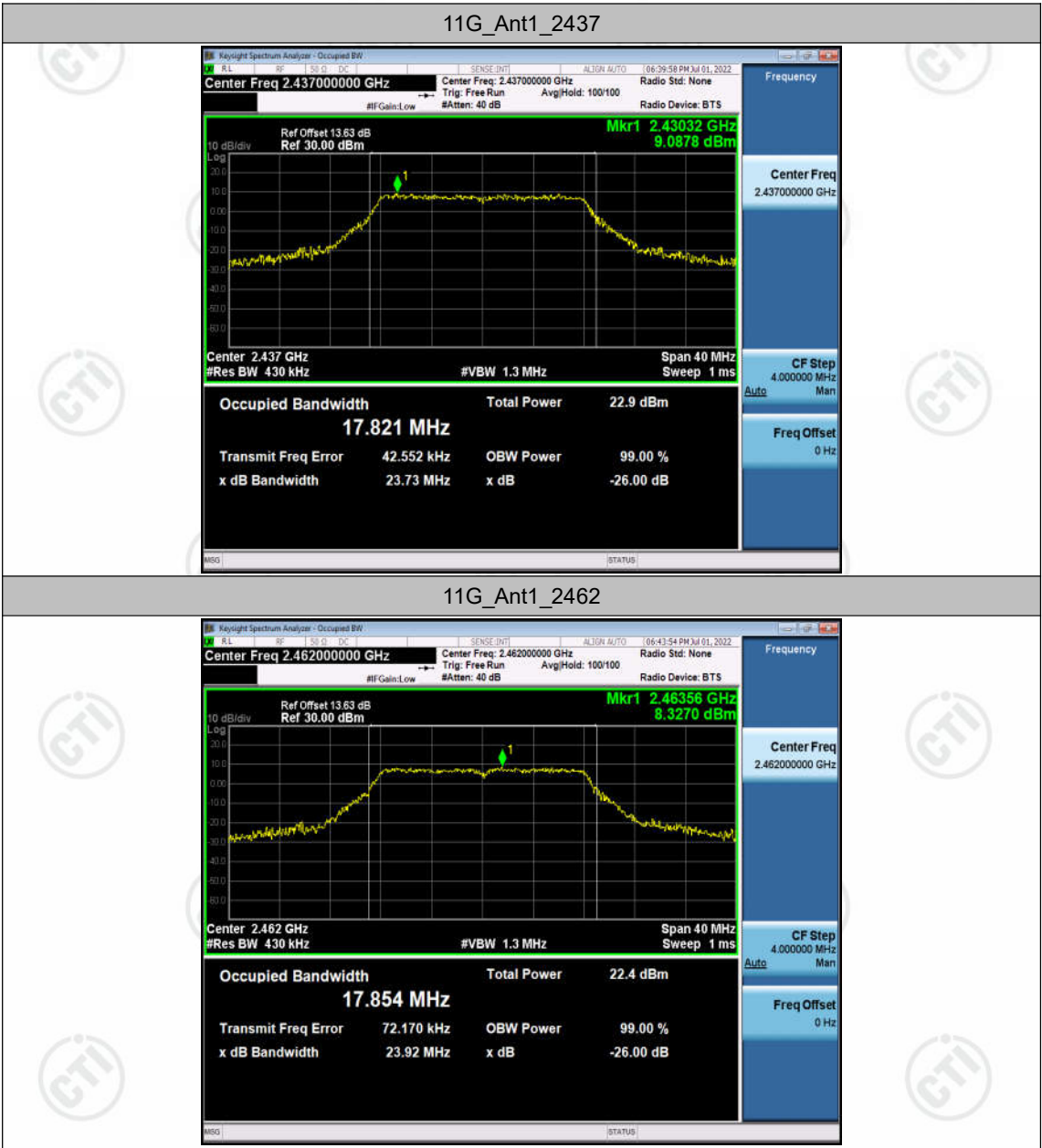
Test Result

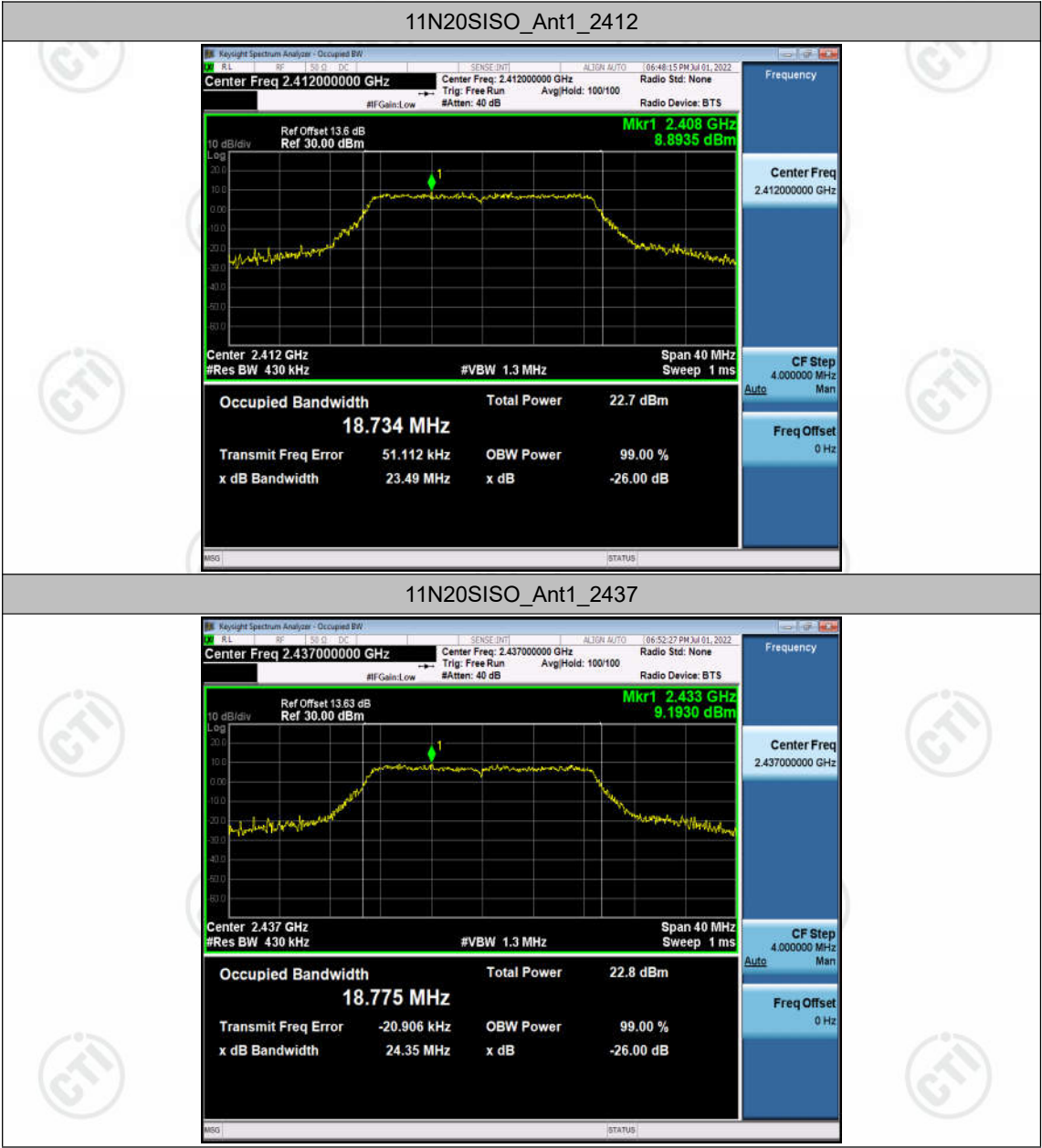
Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.475	2405.302	2418.777	---	---
		2437	13.471	2430.273	2443.744	---	---
		2462	13.481	2455.307	2468.788	---	---
11G	Ant1	2412	17.765	2403.184	2420.949	---	---
		2437	17.821	2428.132	2445.953	---	---
		2462	17.854	2453.145	2470.999	---	---
11N20SI SO	Ant1	2412	18.734	2402.684	2421.418	---	---
		2437	18.775	2427.592	2446.367	---	---
		2462	18.846	2452.596	2471.442	---	---
11N40SI SO	Ant1	2422	38.637	2402.881	2441.518	---	---
		2437	38.912	2417.722	2456.634	---	---
		2452	39.117	2432.839	2471.956	---	---

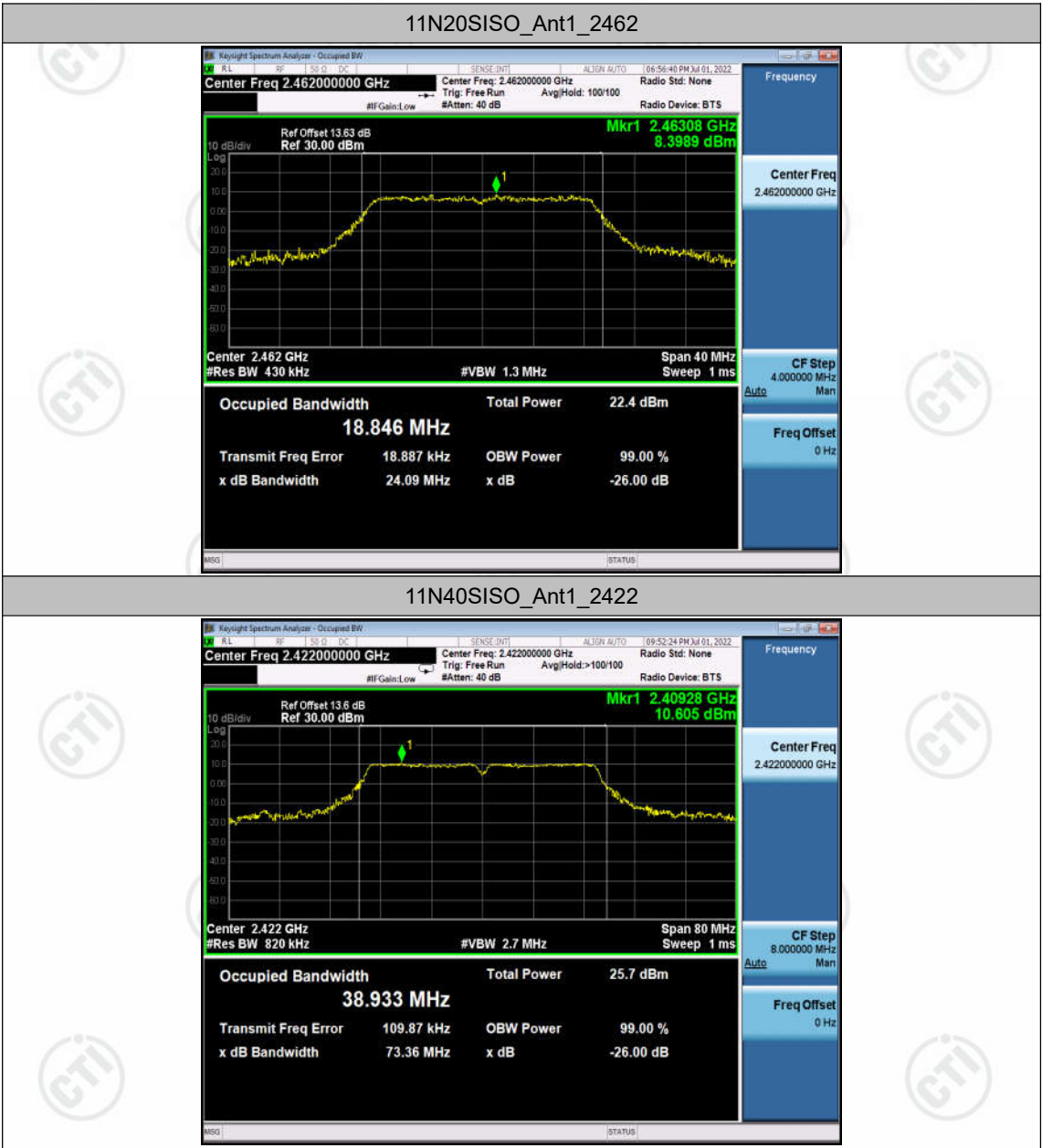
Test Graphs

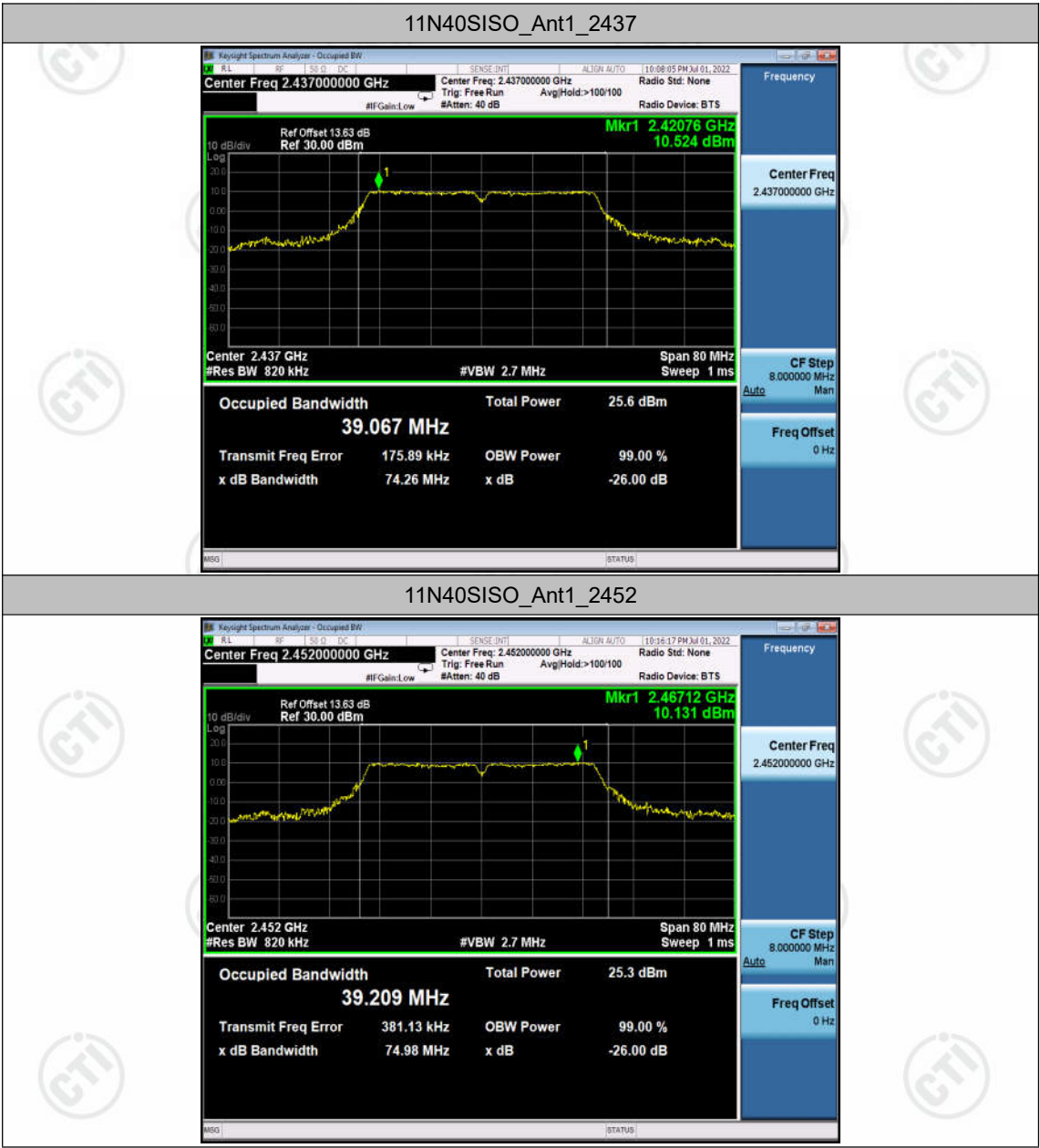










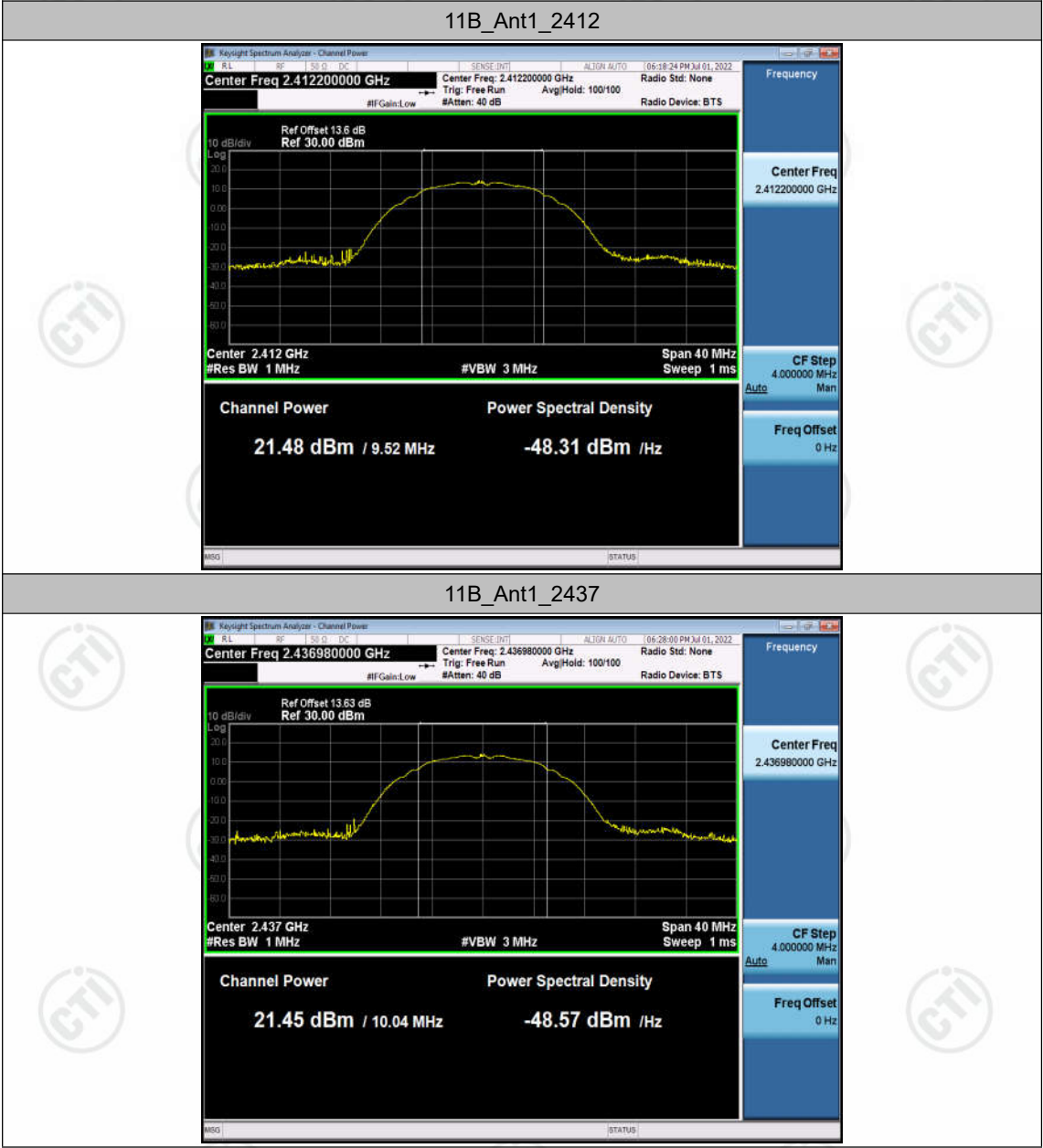


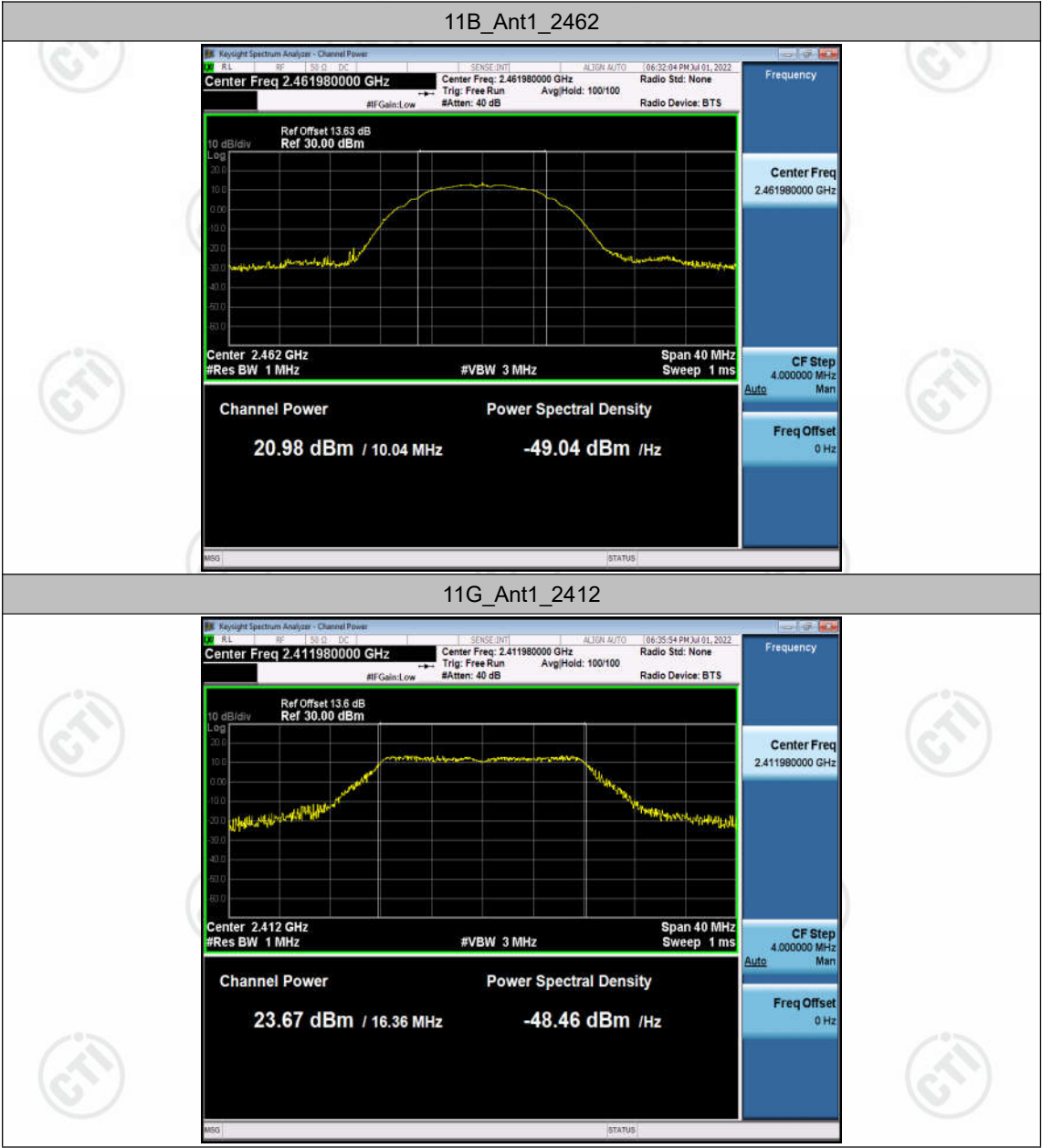
Appendix C: Maximum conducted output power

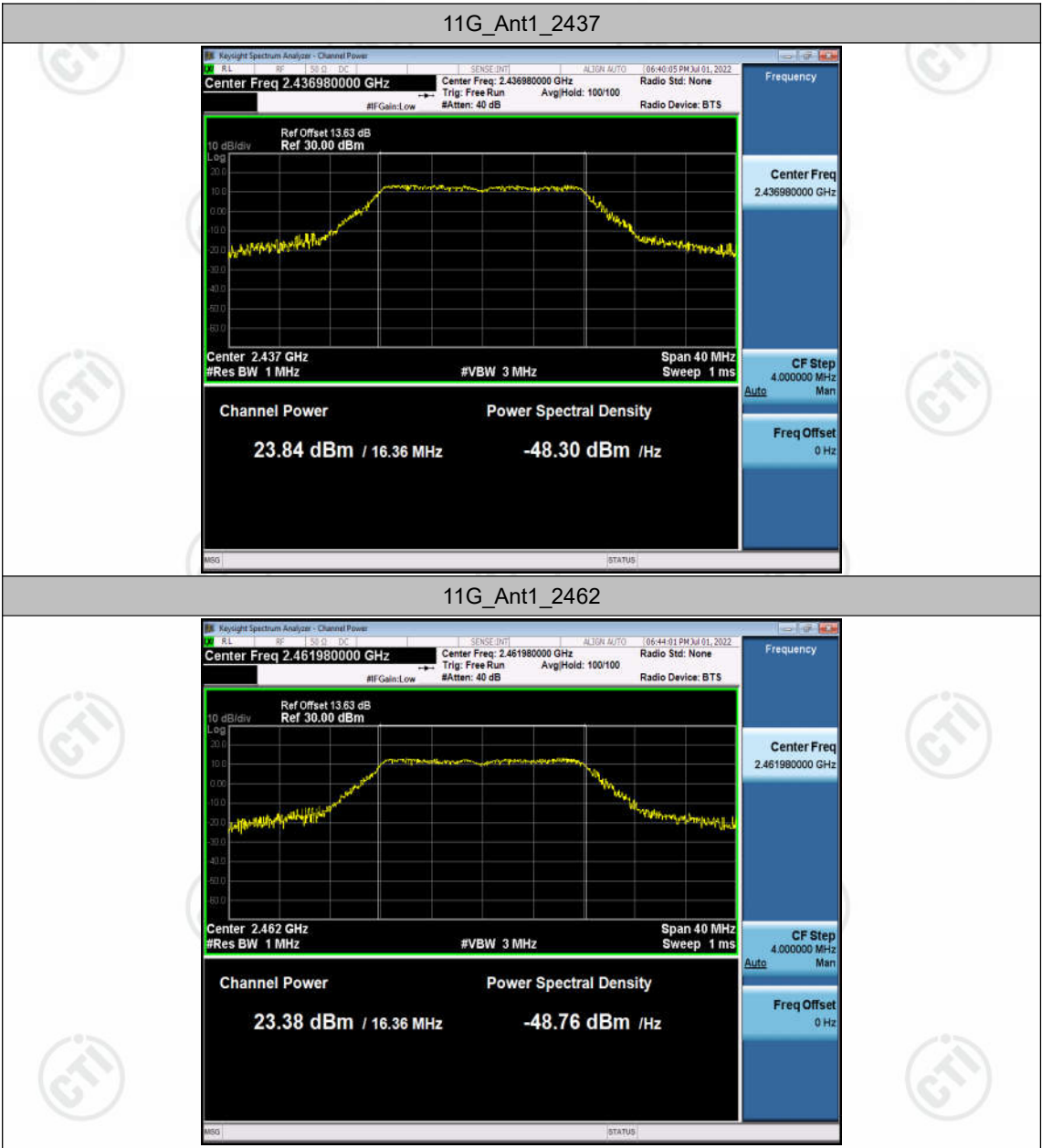
Test Result Peak

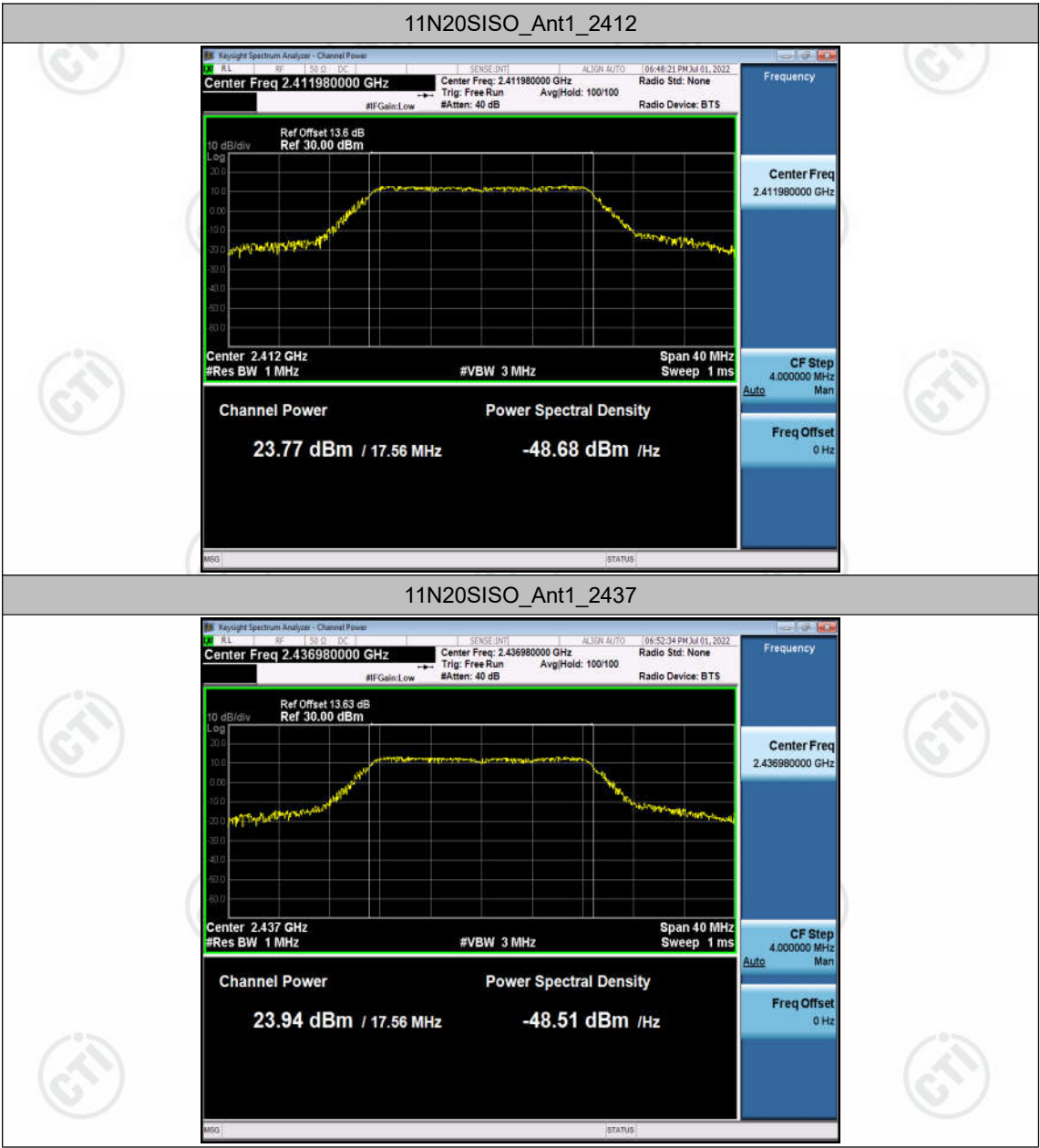
Test Mode	Antenna	Frequency[MHz]	Set Power	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	---	21.48	≤30.00	PASS
		2437	---	21.45	≤30.00	PASS
		2462	---	20.98	≤30.00	PASS
11G	Ant1	2412	---	23.67	≤30.00	PASS
		2437	---	23.84	≤30.00	PASS
		2462	---	23.38	≤30.00	PASS
11N20SISO	Ant1	2412	---	23.77	≤30.00	PASS
		2437	---	23.94	≤30.00	PASS
		2462	---	23.44	≤30.00	PASS
11N40SISO	Ant1	2422	---	23.66	≤30.00	PASS
		2437	---	23.10	≤30.00	PASS
		2452	---	23.87	≤30.00	PASS

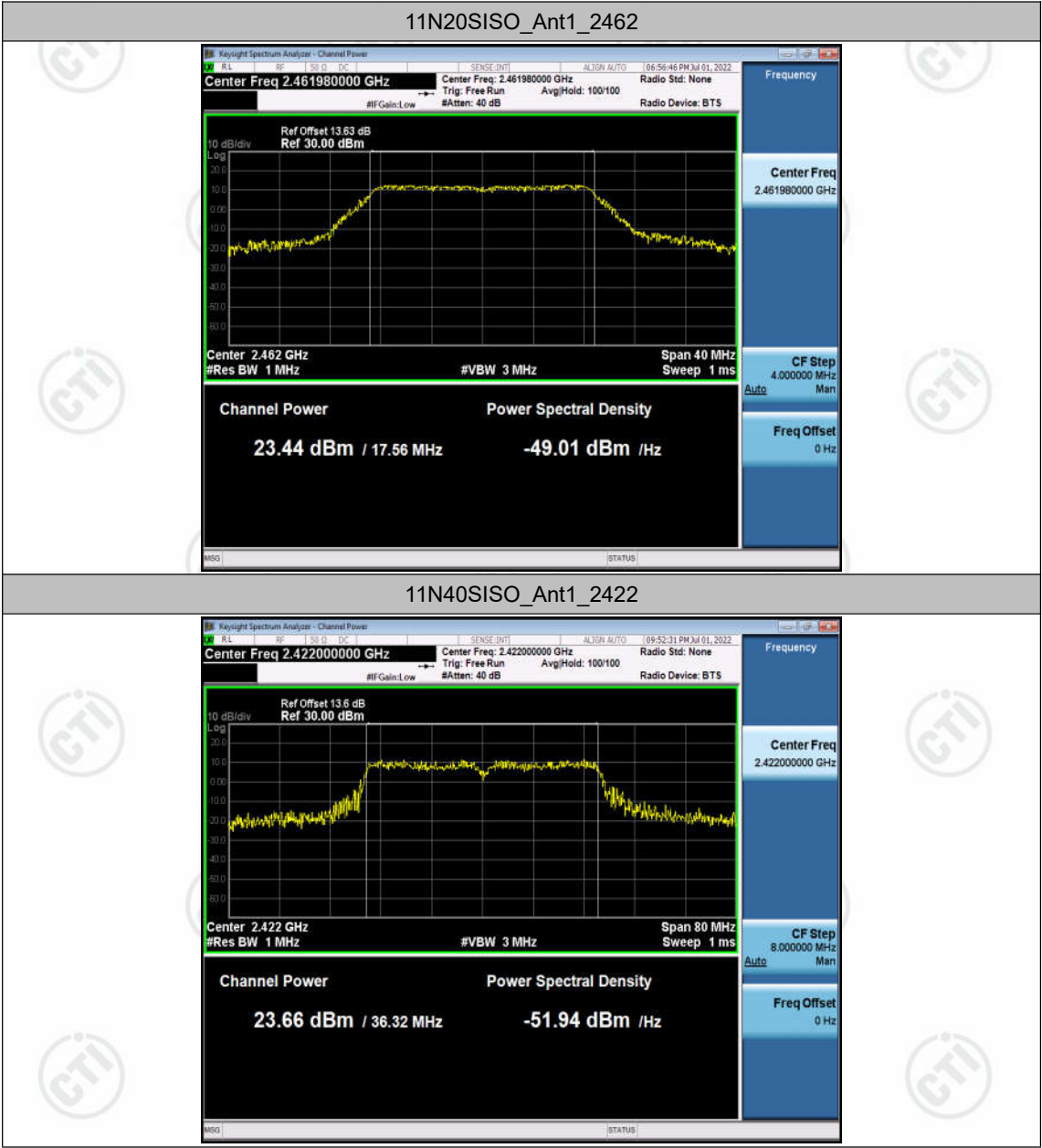
Test Graphs Peak

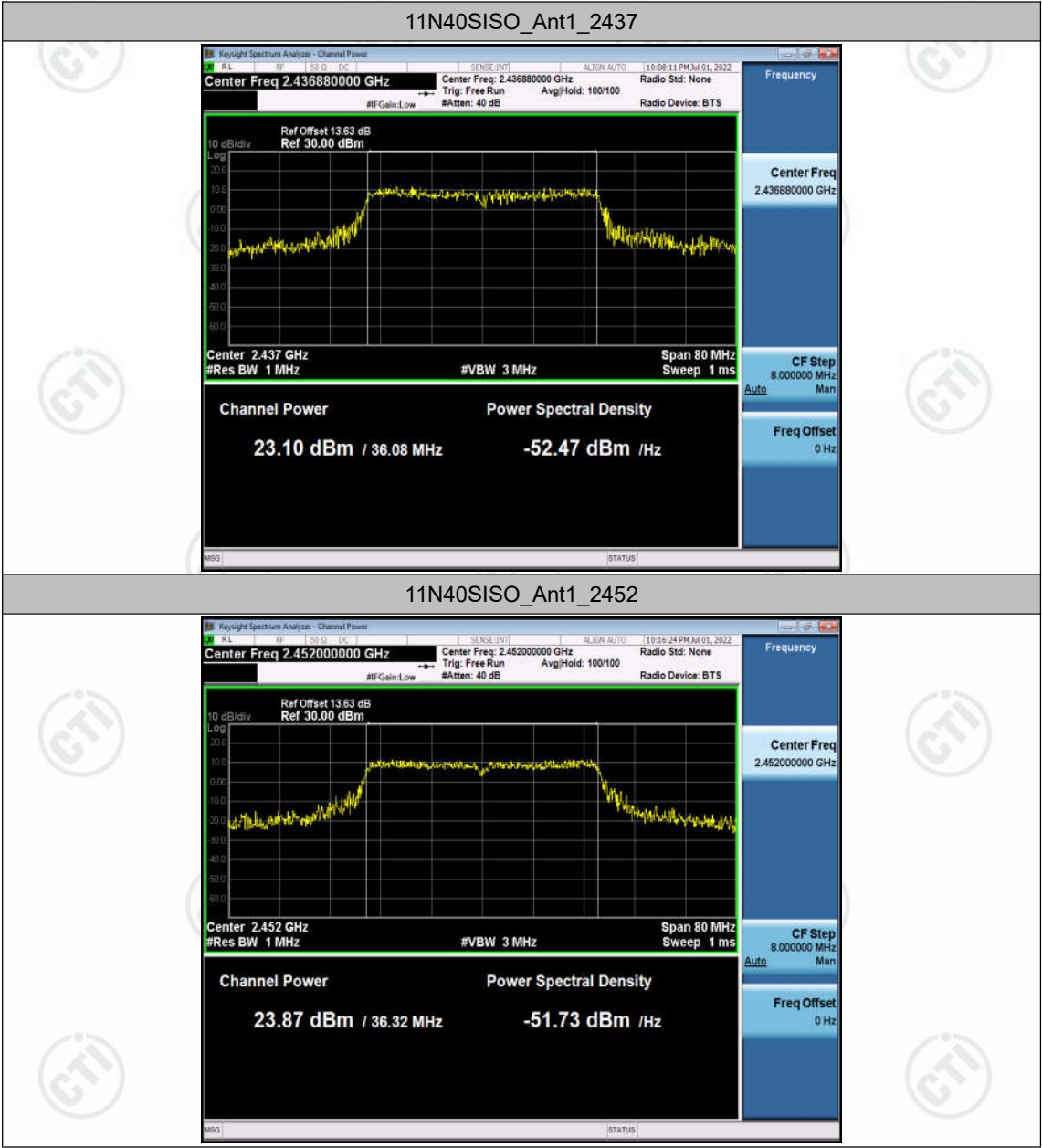










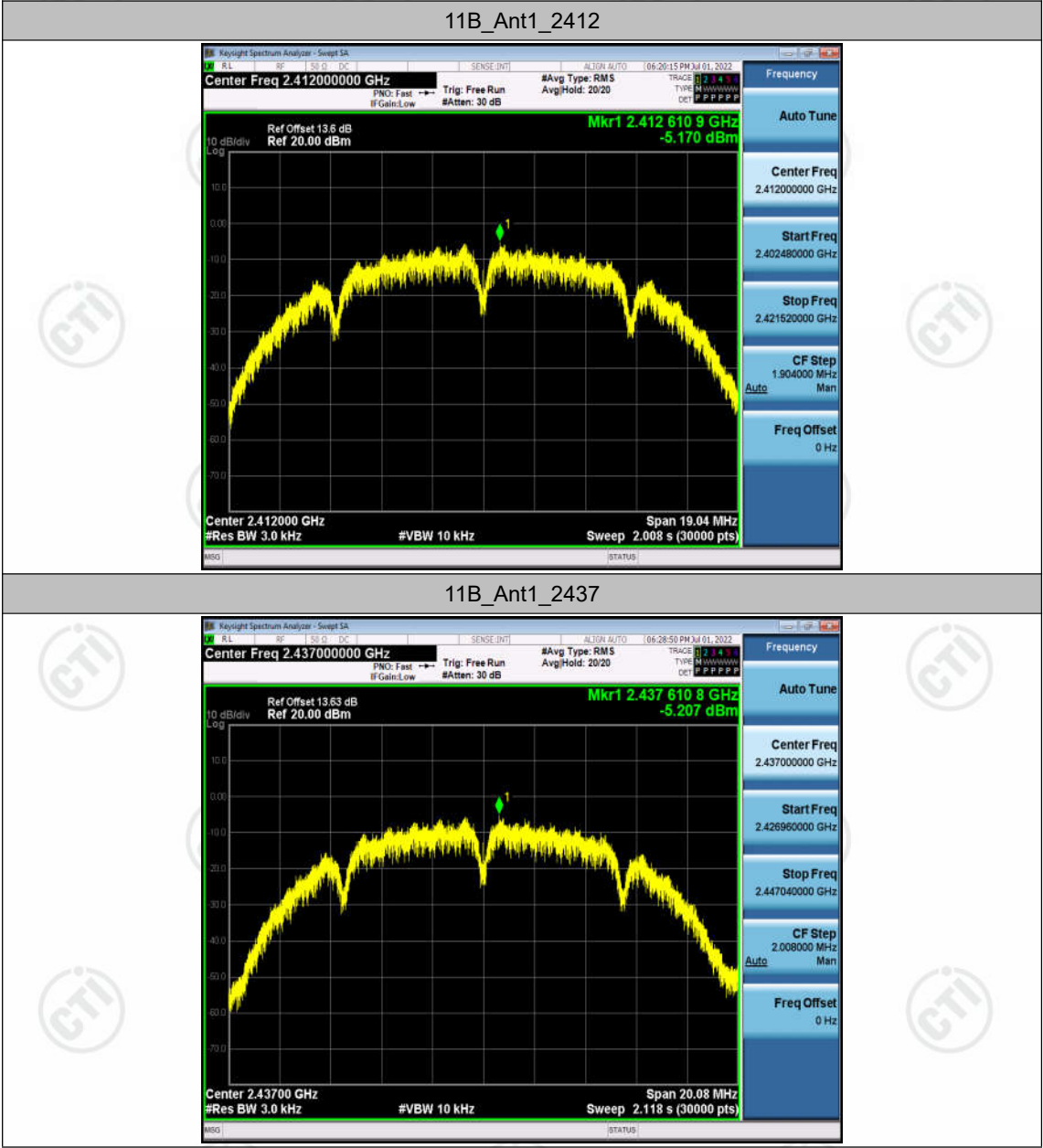


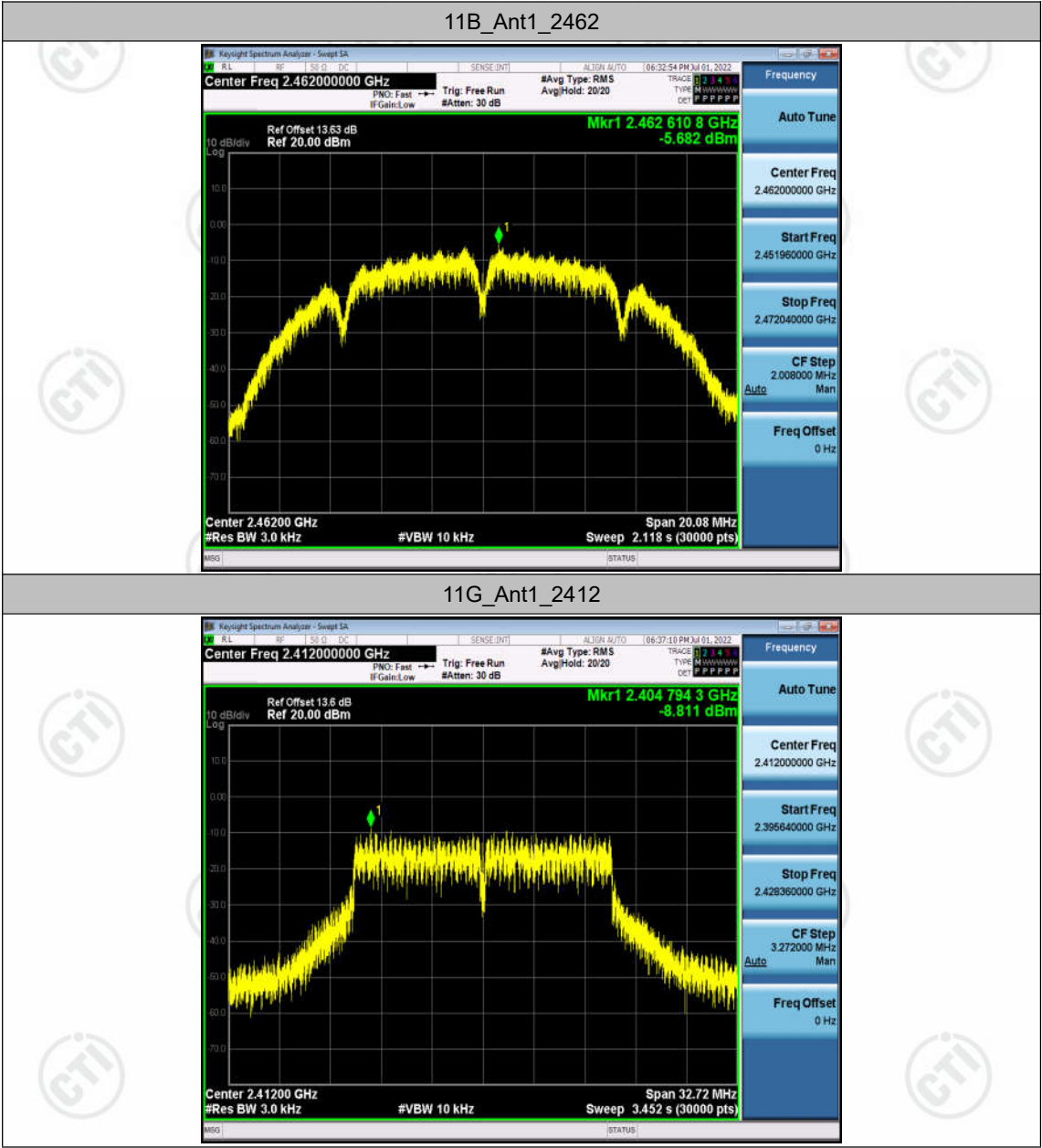
Appendix D: Maximum power spectral density

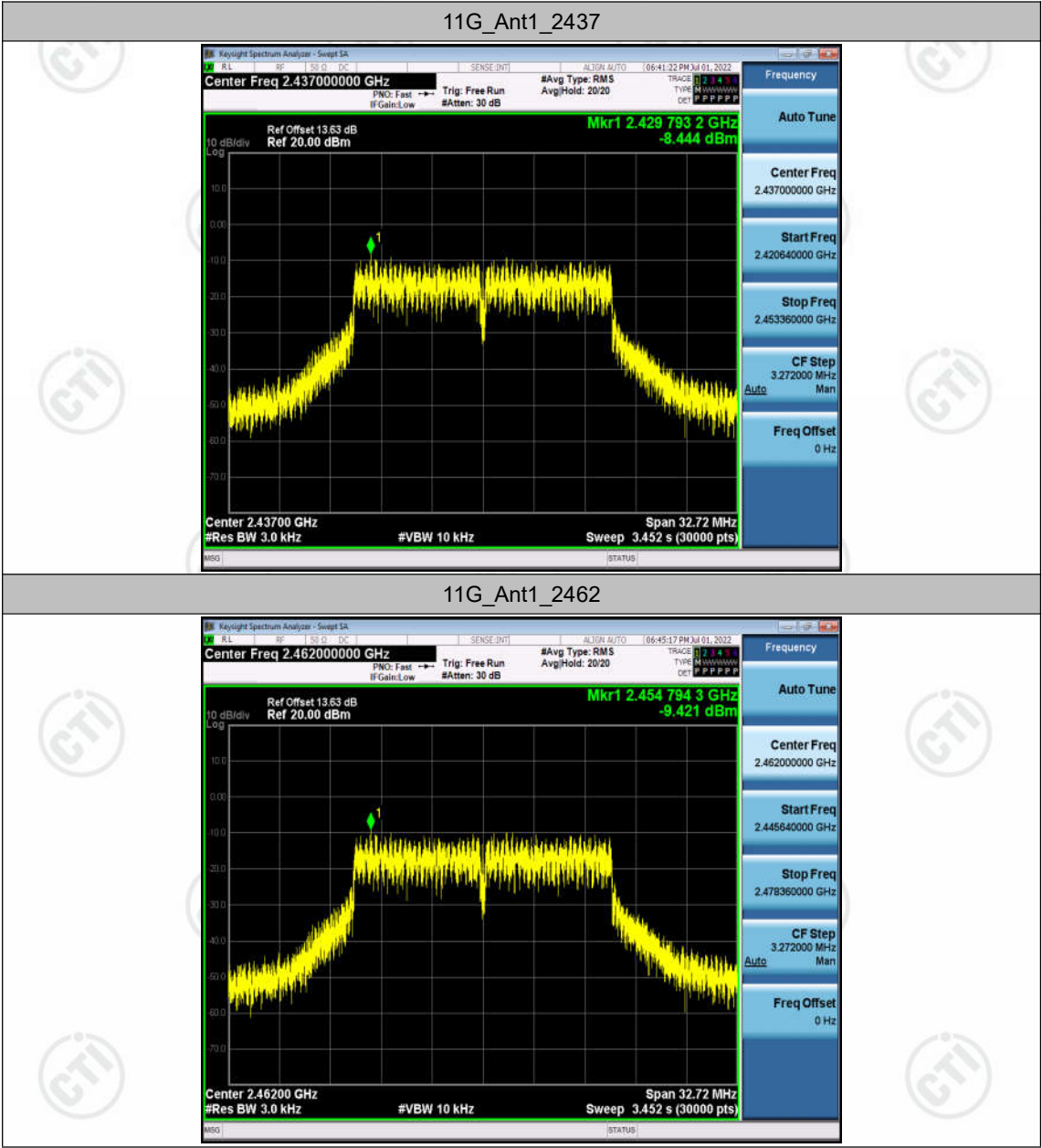
Test Result

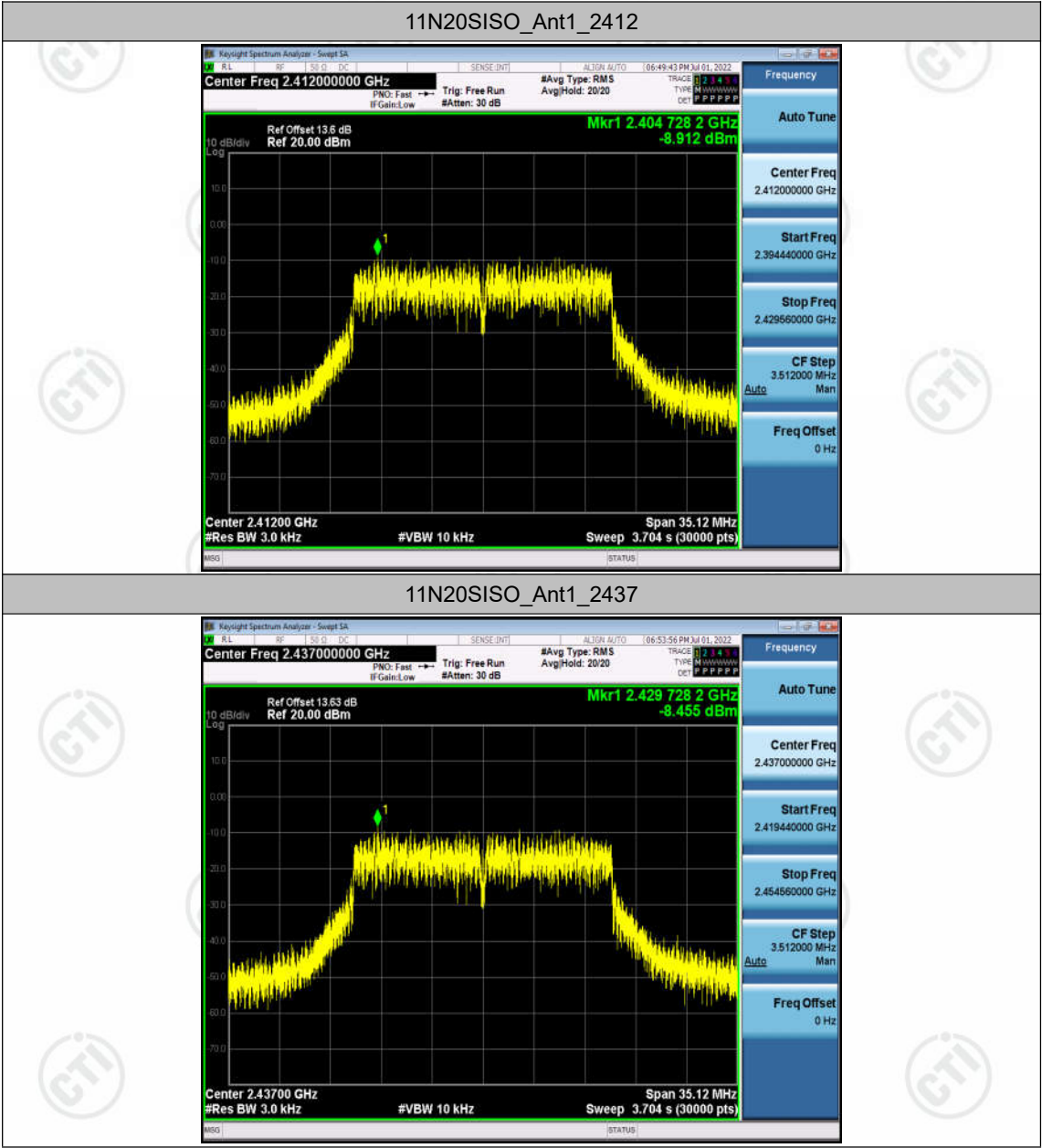
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-5.17	≤8.00	PASS
		2437	-5.21	≤8.00	PASS
		2462	-5.68	≤8.00	PASS
11G	Ant1	2412	-8.81	≤8.00	PASS
		2437	-8.44	≤8.00	PASS
		2462	-9.42	≤8.00	PASS
11N20SISO	Ant1	2412	-8.91	≤8.00	PASS
		2437	-8.46	≤8.00	PASS
		2462	-9.14	≤8.00	PASS
11N40SISO	Ant1	2422	-9.57	≤8.00	PASS
		2437	-9.71	≤8.00	PASS
		2452	-9.88	≤8.00	PASS

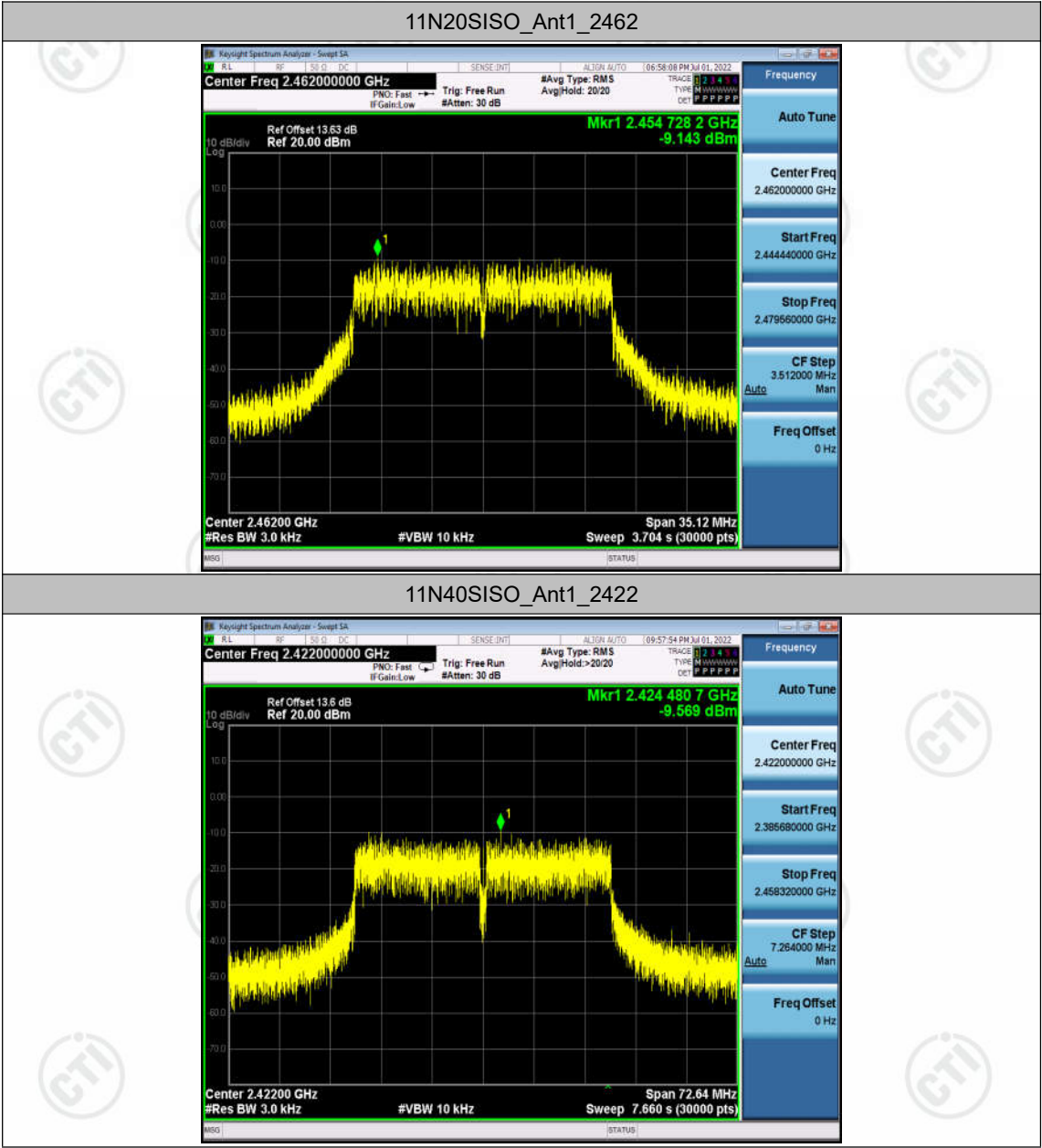
Test Graphs

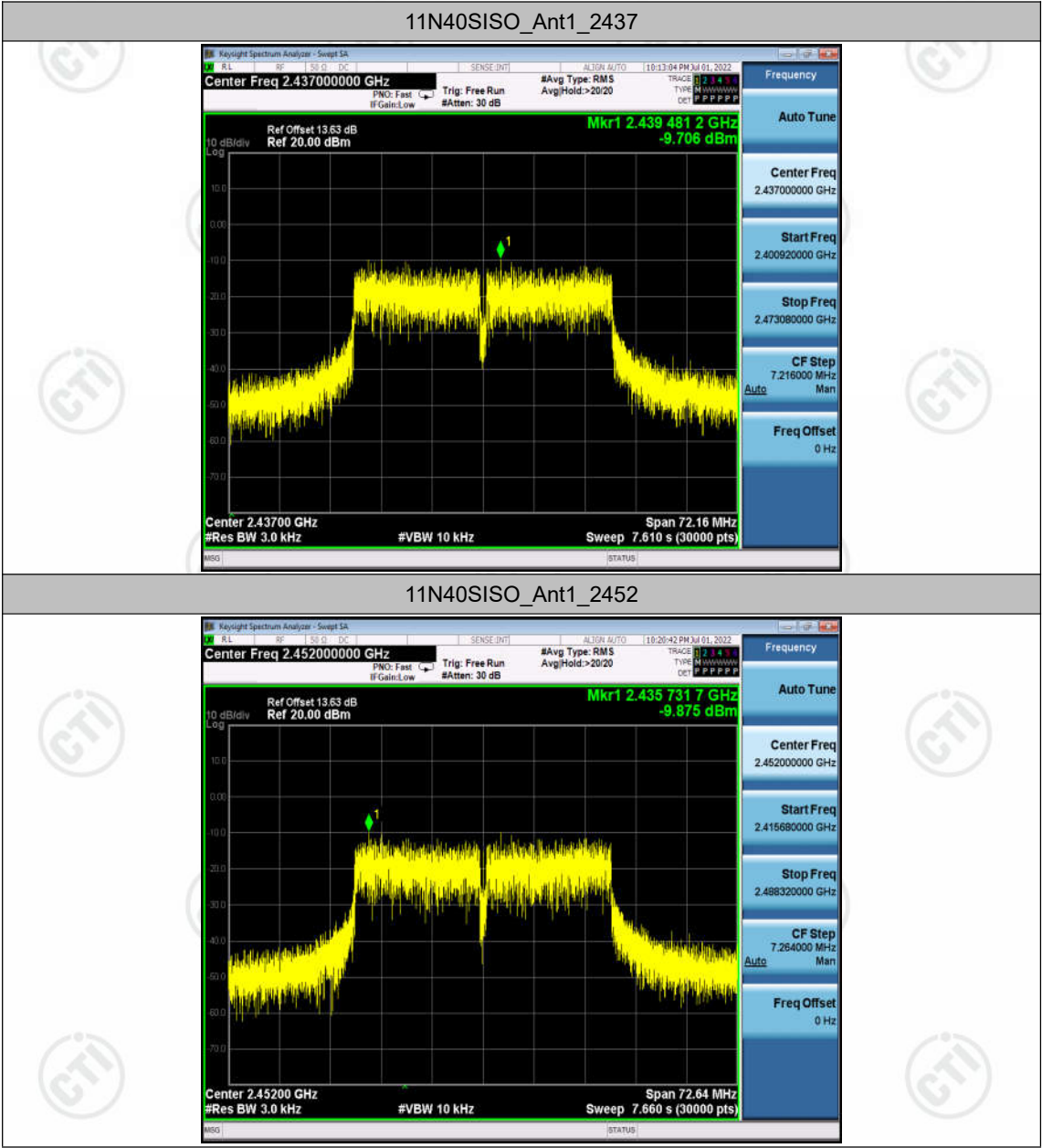










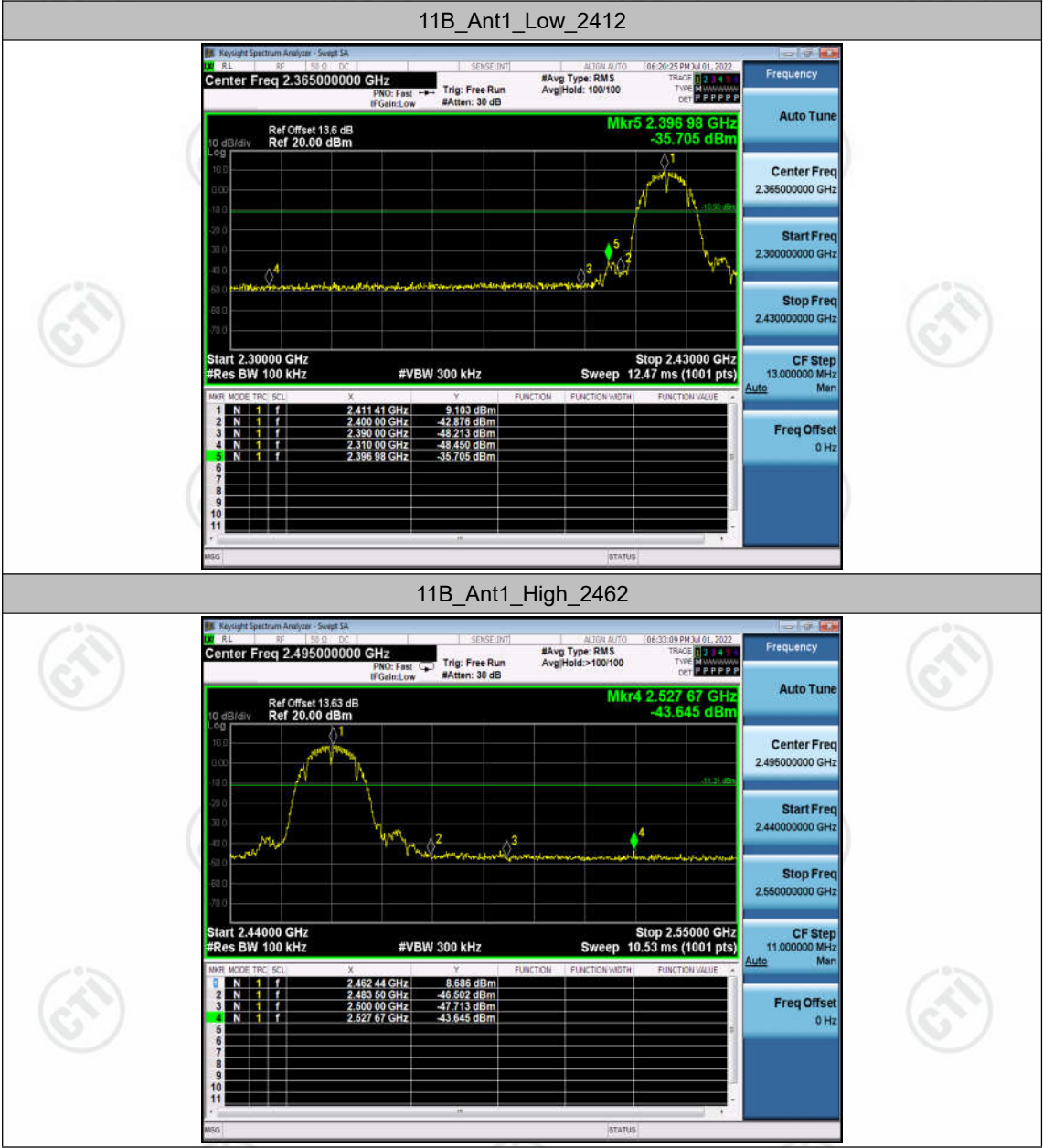


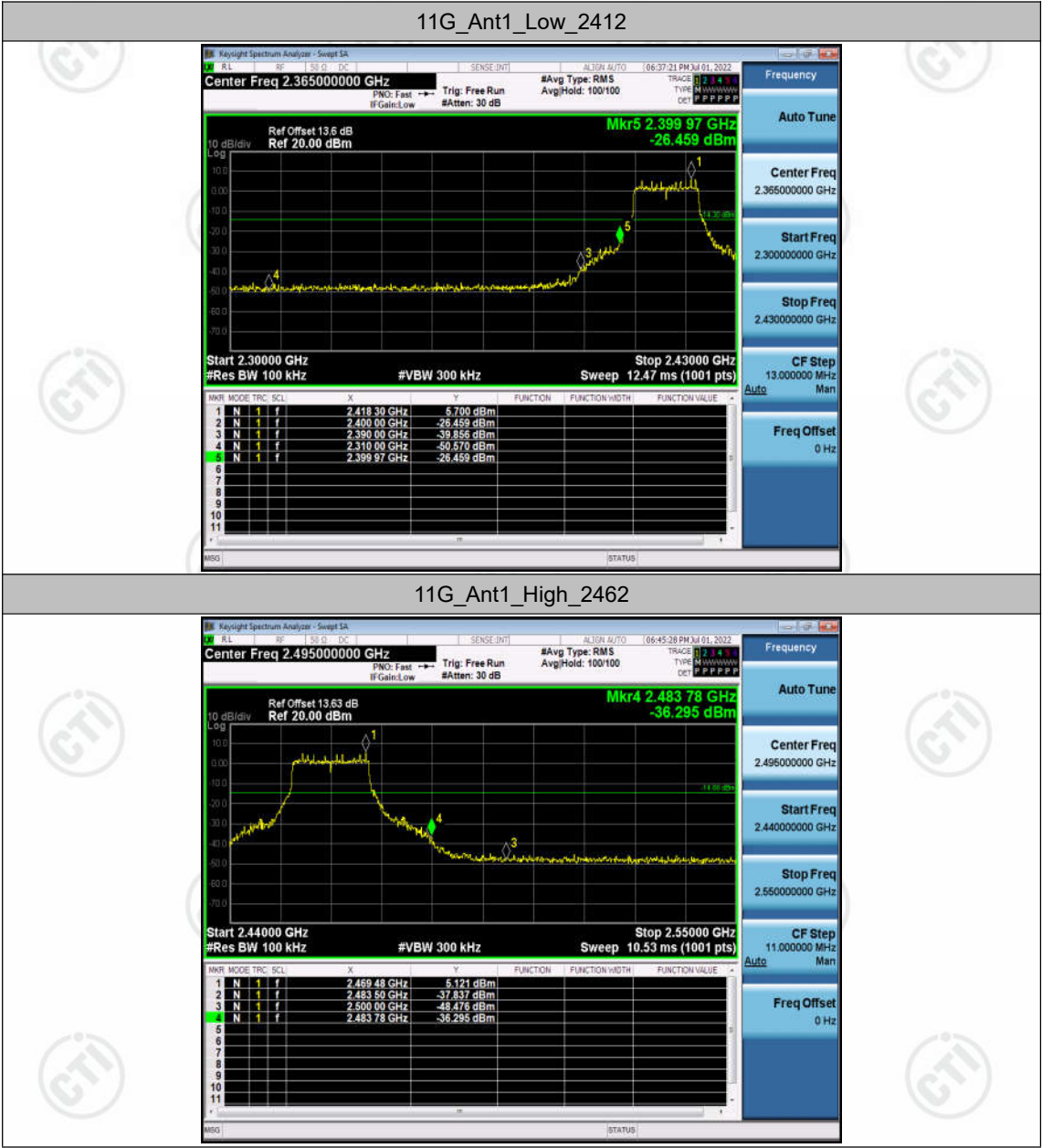
Appendix E: Band edge measurements

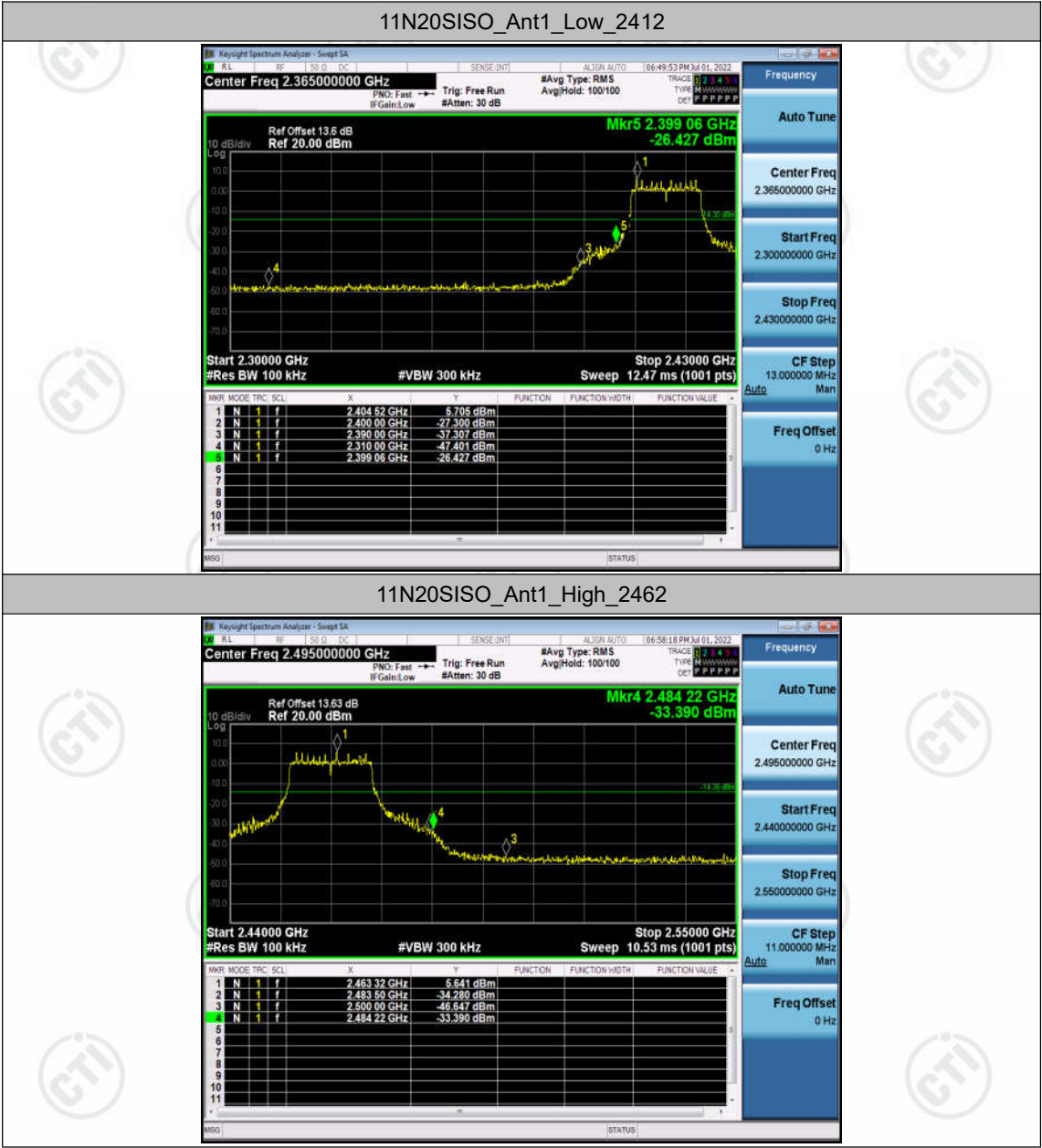
Test Result

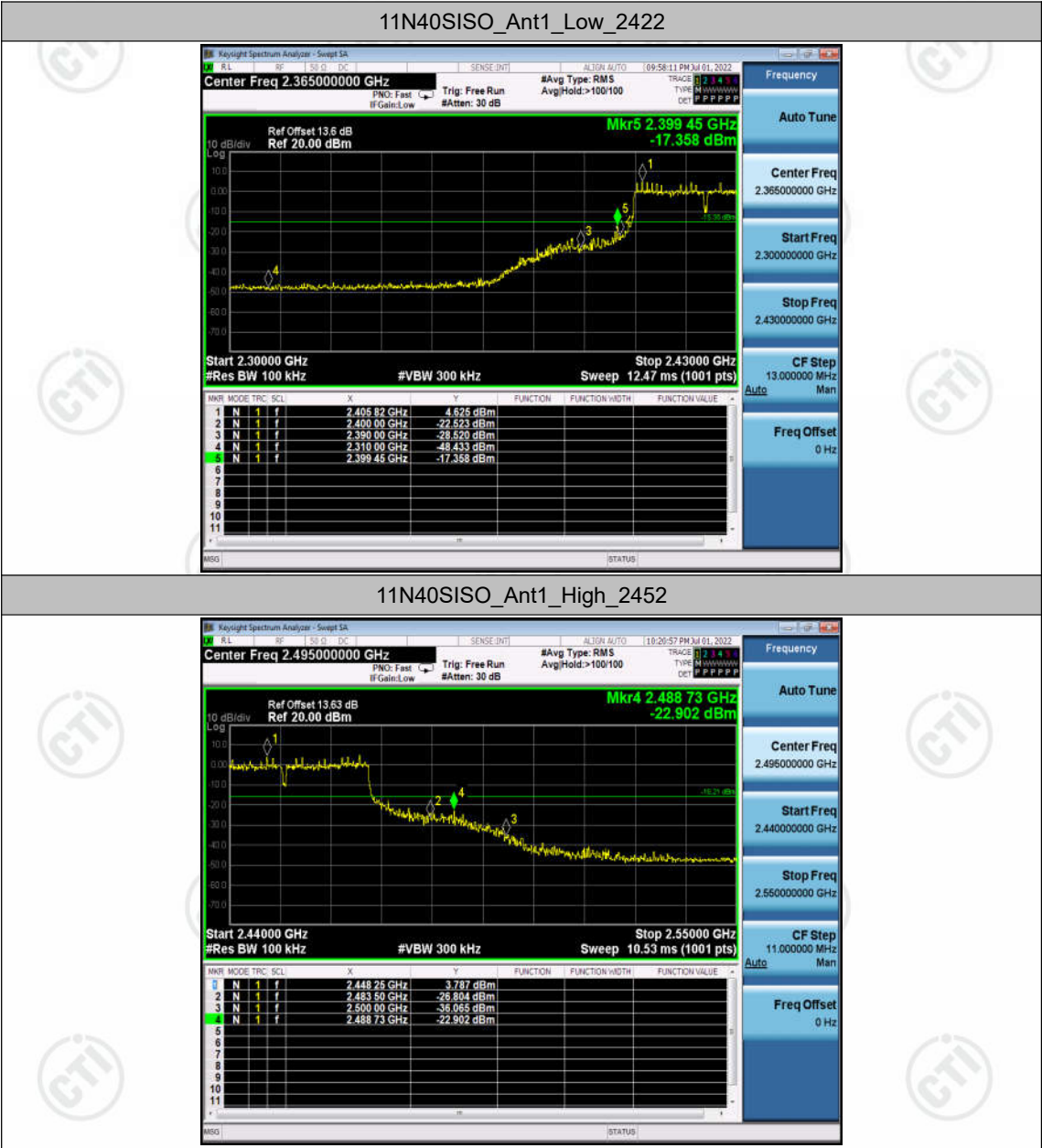
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	9.10	-35.71	≤-10.9	PASS
		High	2462	8.69	-43.65	≤-11.31	PASS
11G	Ant1	Low	2412	5.70	-26.46	≤-14.3	PASS
		High	2462	5.12	-36.3	≤-14.88	PASS
11N20SI SO	Ant1	Low	2412	5.71	-26.43	≤-14.3	PASS
		High	2462	5.64	-33.39	≤-14.36	PASS
11N40SI SO	Ant1	Low	2422	4.63	-17.36	≤-15.38	PASS
		High	2452	3.79	-22.9	≤-16.21	PASS

Test Graphs









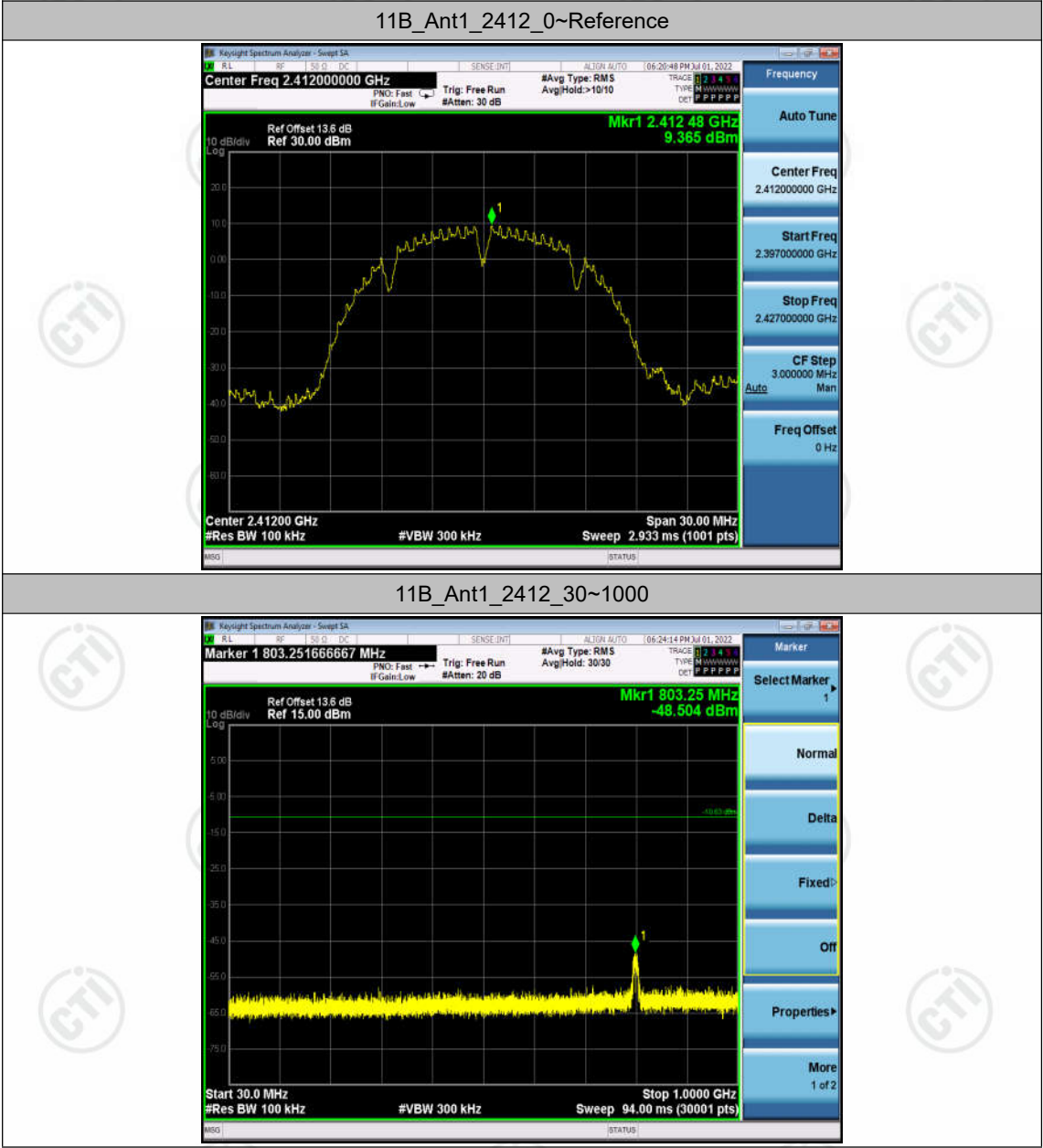
Appendix F: Conducted Spurious Emission

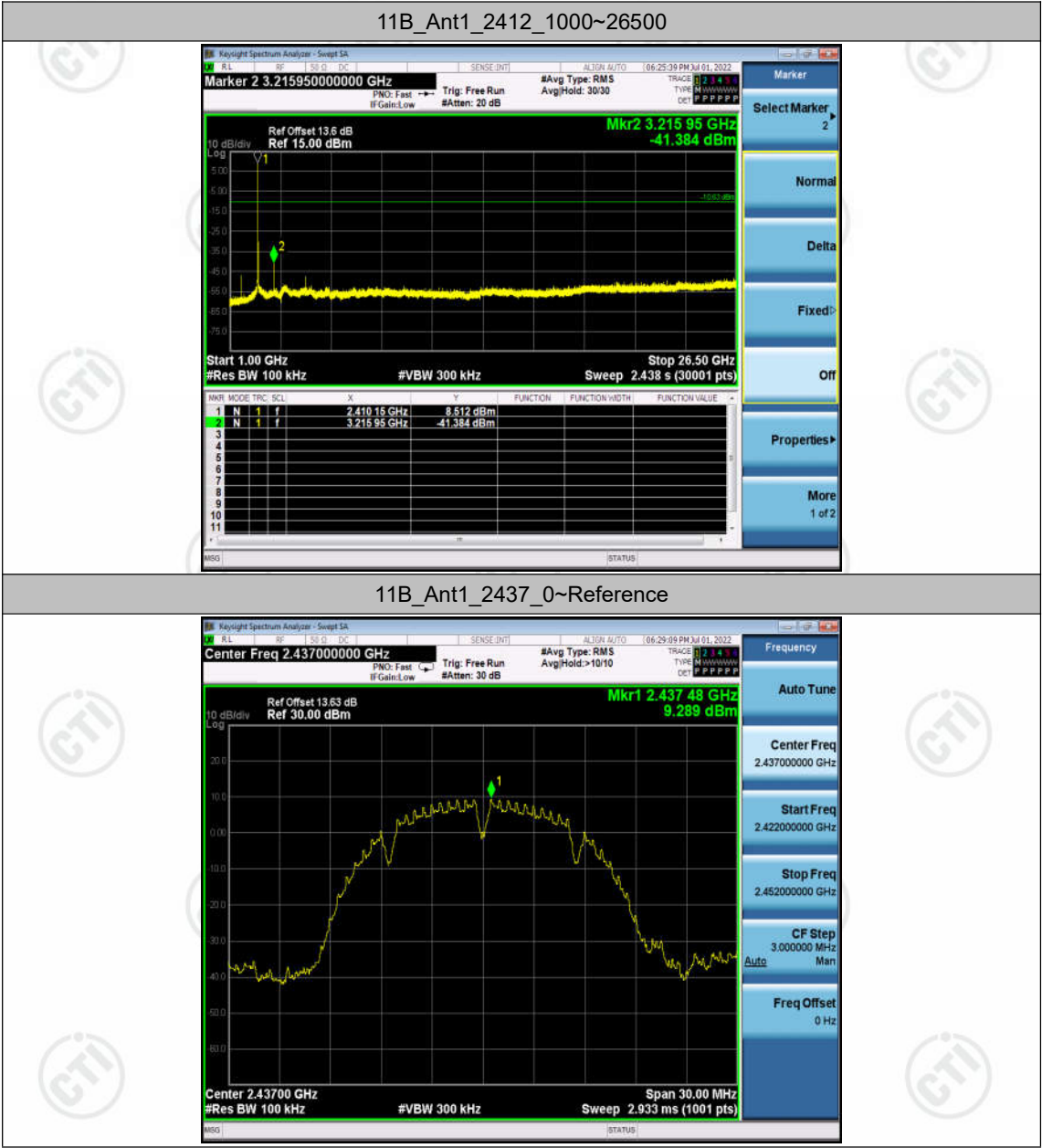
Test Result

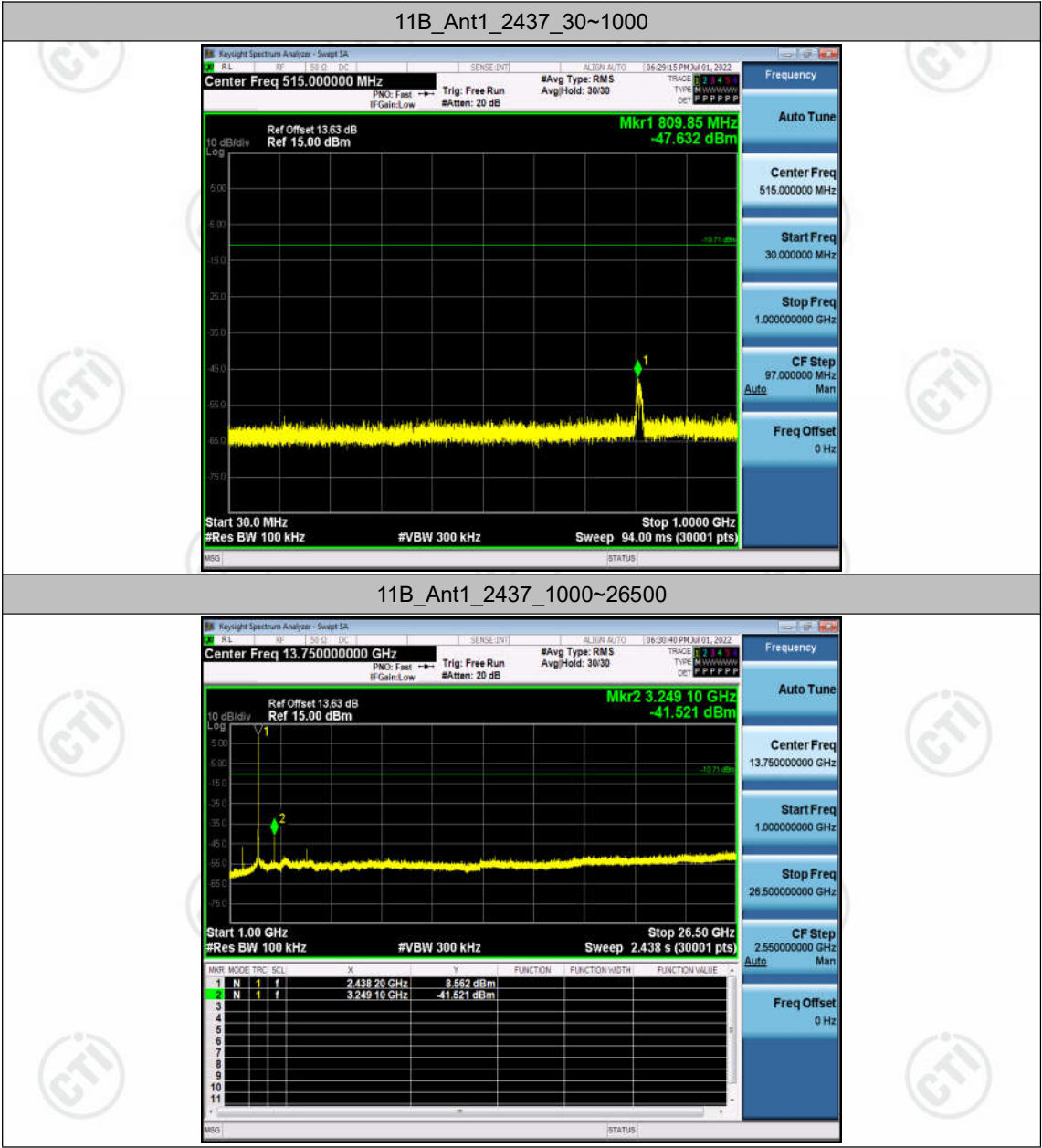
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	9.37	9.37	---	PASS
			30~1000	---	-48.5	≤-10.63	PASS
			1000~26500	---	-41.38	≤-10.63	PASS
		2437	Reference	9.29	9.29	---	PASS
			30~1000	---	-47.63	≤-10.71	PASS
			1000~26500	---	-41.52	≤-10.71	PASS
		2462	Reference	8.82	8.82	---	PASS
			30~1000	---	-48.19	≤-11.18	PASS
			1000~26500	---	-41.12	≤-11.18	PASS
11G	Ant1	2412	Reference	5.86	5.86	---	PASS
			30~1000	---	-48.5	≤-14.14	PASS
			1000~26500	---	-40.98	≤-14.14	PASS
		2437	Reference	6.07	6.07	---	PASS
			30~1000	---	-48.65	≤-13.93	PASS
			1000~26500	---	-41.15	≤-13.93	PASS
		2462	Reference	5.62	5.62	---	PASS
			30~1000	---	-48.95	≤-14.38	PASS
			1000~26500	---	-40.97	≤-14.38	PASS
11N20SI SO	Ant1	2412	Reference	5.91	5.91	---	PASS
			30~1000	---	-48.81	≤-14.09	PASS
			1000~26500	---	-41.03	≤-14.09	PASS
		2437	Reference	6.09	6.09	---	PASS
			30~1000	---	-48.09	≤-13.91	PASS
			1000~26500	---	-40.56	≤-13.91	PASS
		2462	Reference	5.64	5.64	---	PASS
			30~1000	---	-47.71	≤-14.36	PASS
			1000~26500	---	-41.06	≤-14.36	PASS
11N40SI SO	Ant1	2422	Reference	4.71	4.71	---	PASS
			30~1000	---	-47.46	≤-15.29	PASS
			1000~26500	---	-40.84	≤-15.29	PASS
		2437	Reference	4.78	4.78	---	PASS
			30~1000	---	-48.67	≤-15.22	PASS
			1000~26500	---	-41.72	≤-15.22	PASS
		2452	Reference	4.32	4.32	---	PASS

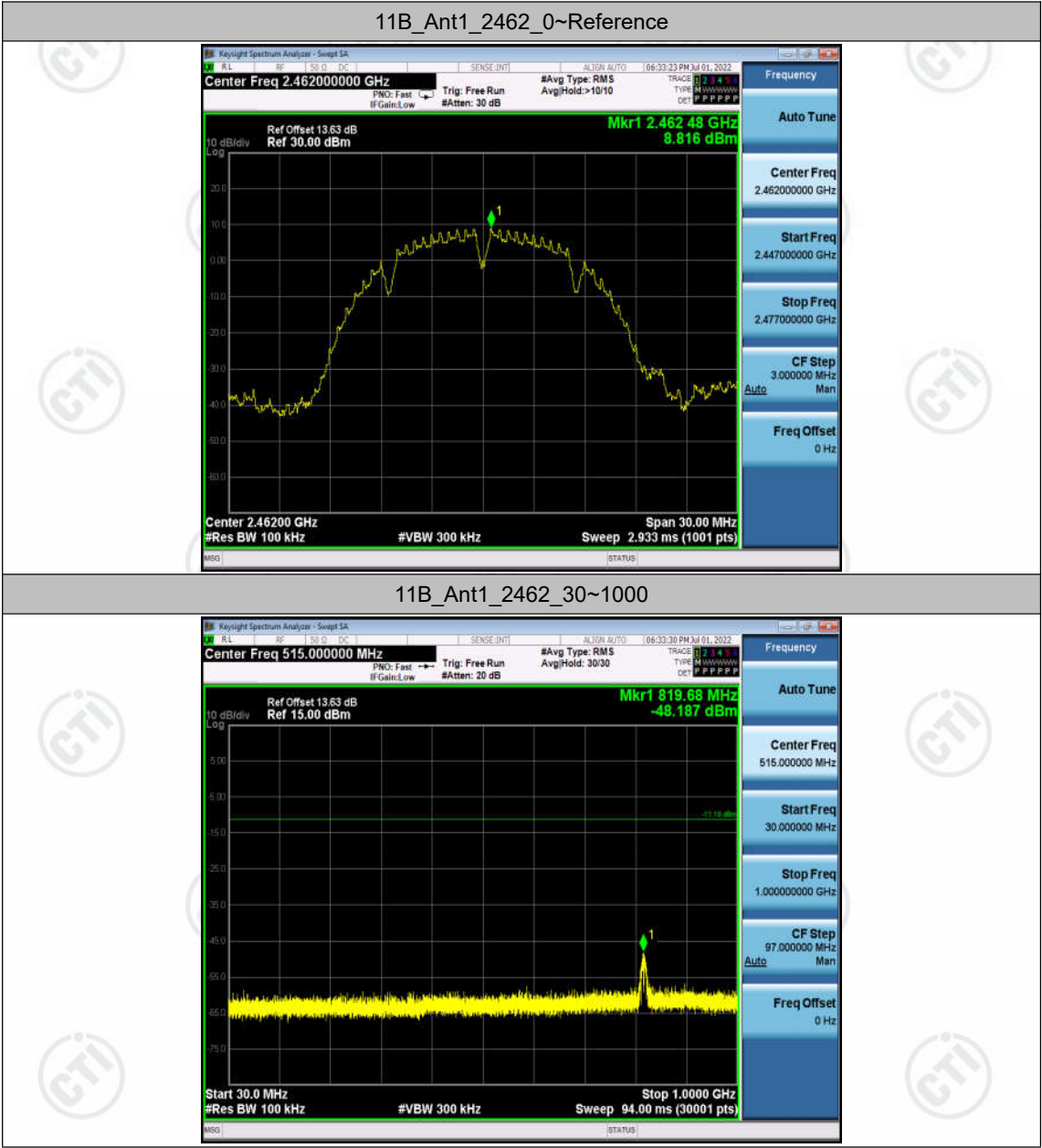
			30~1000	---	-47.07	≤-15.68	PASS
			1000~26500	---	-41.12	≤-15.68	PASS

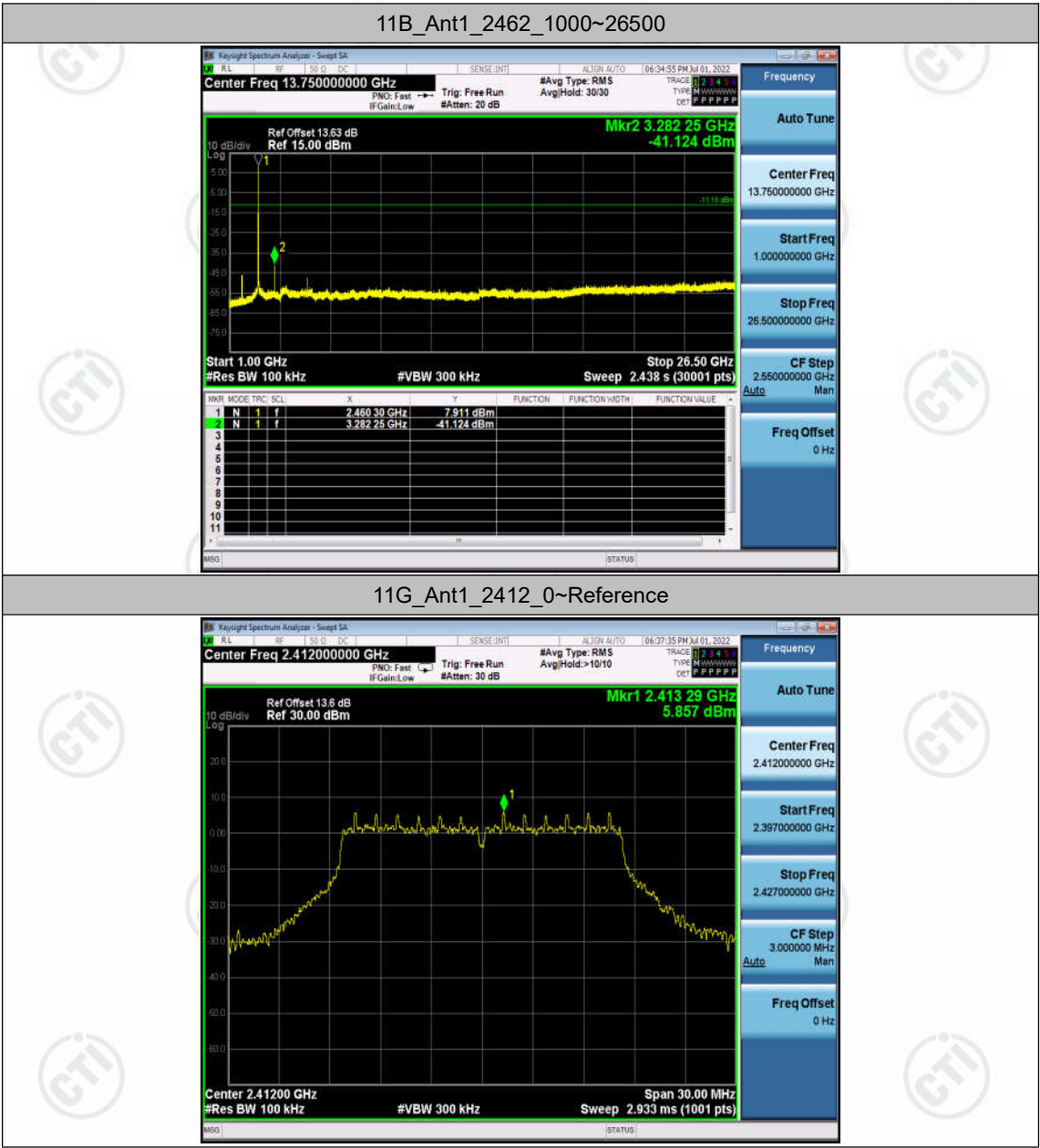
Test Graphs

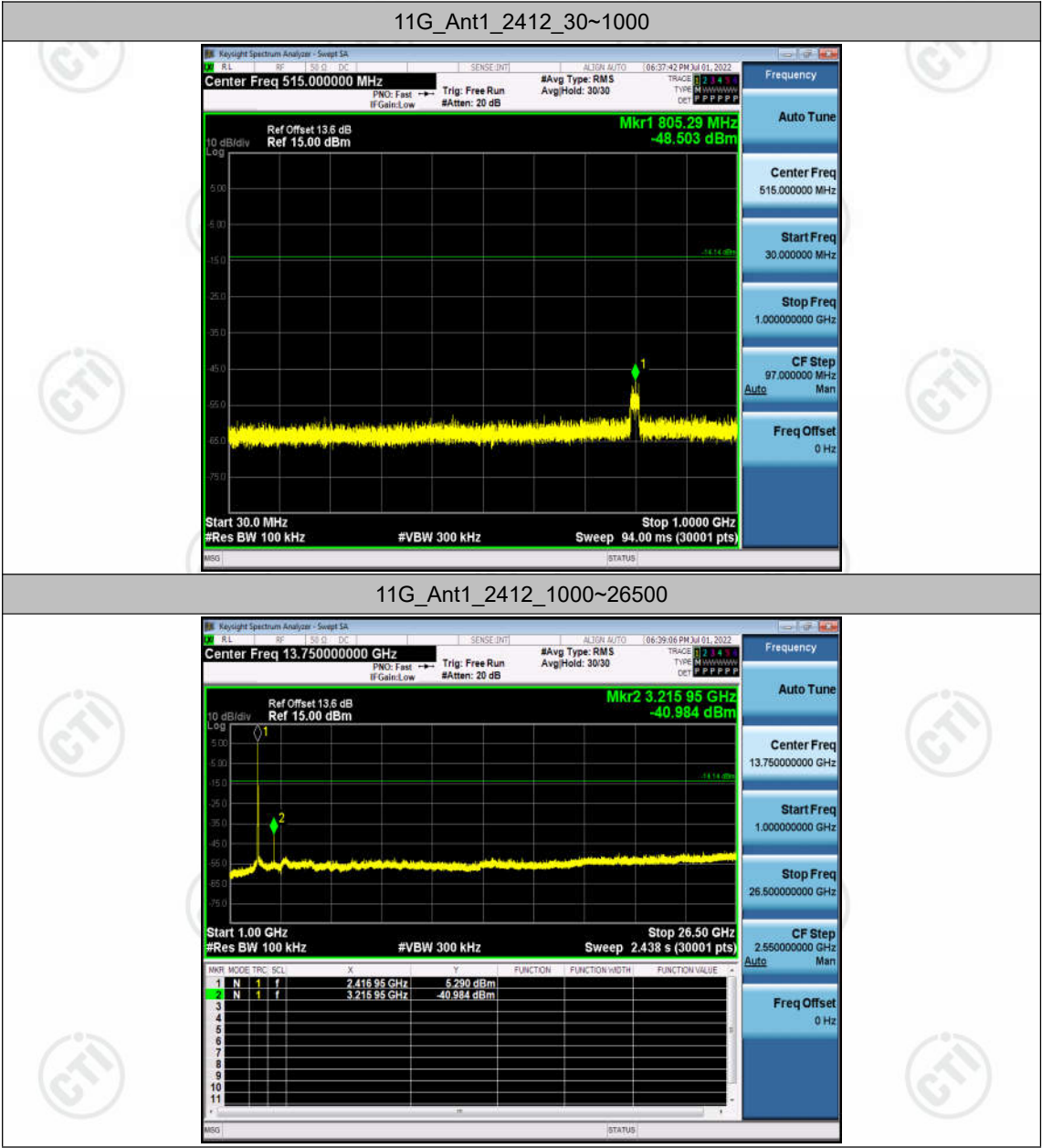


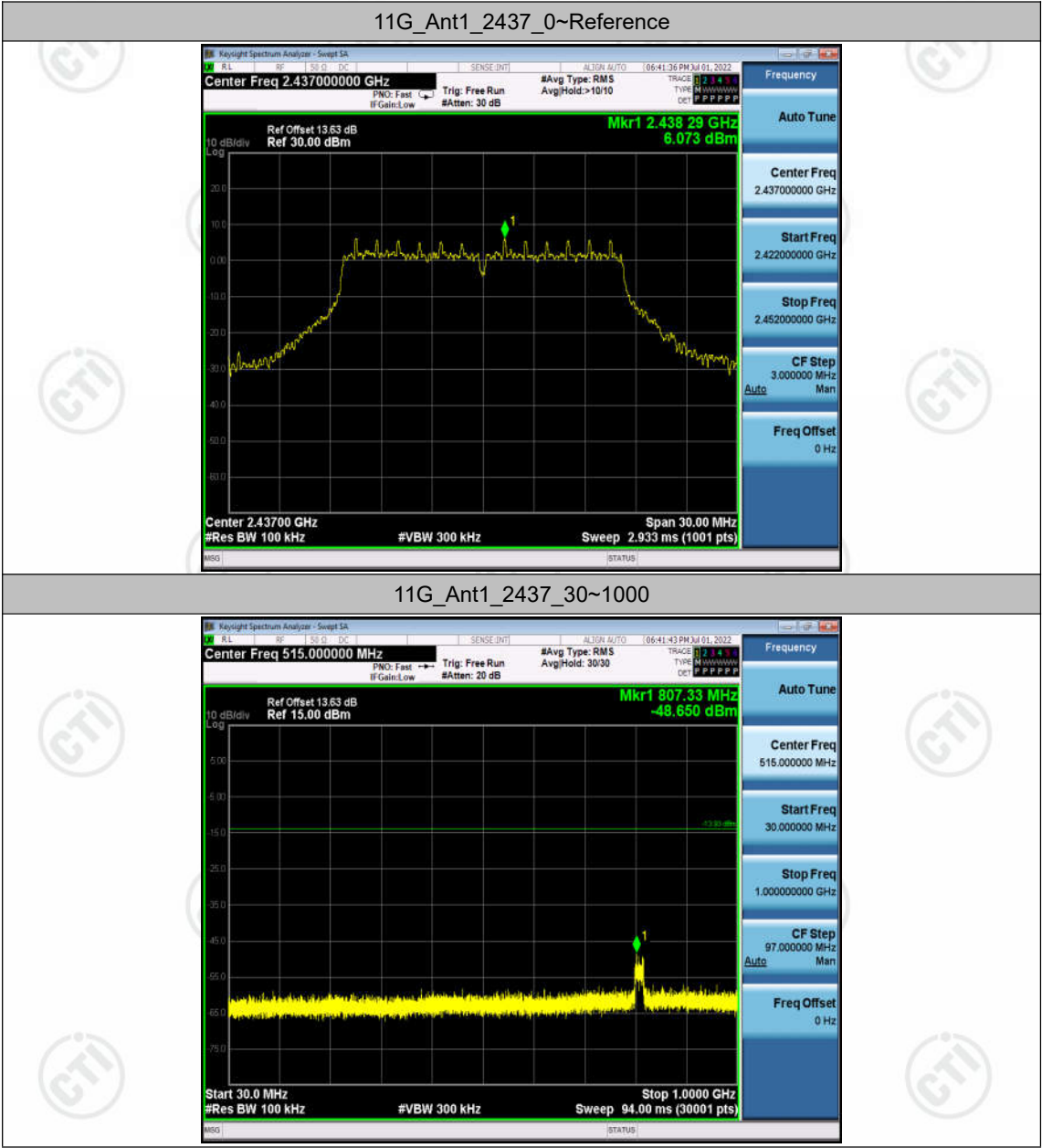


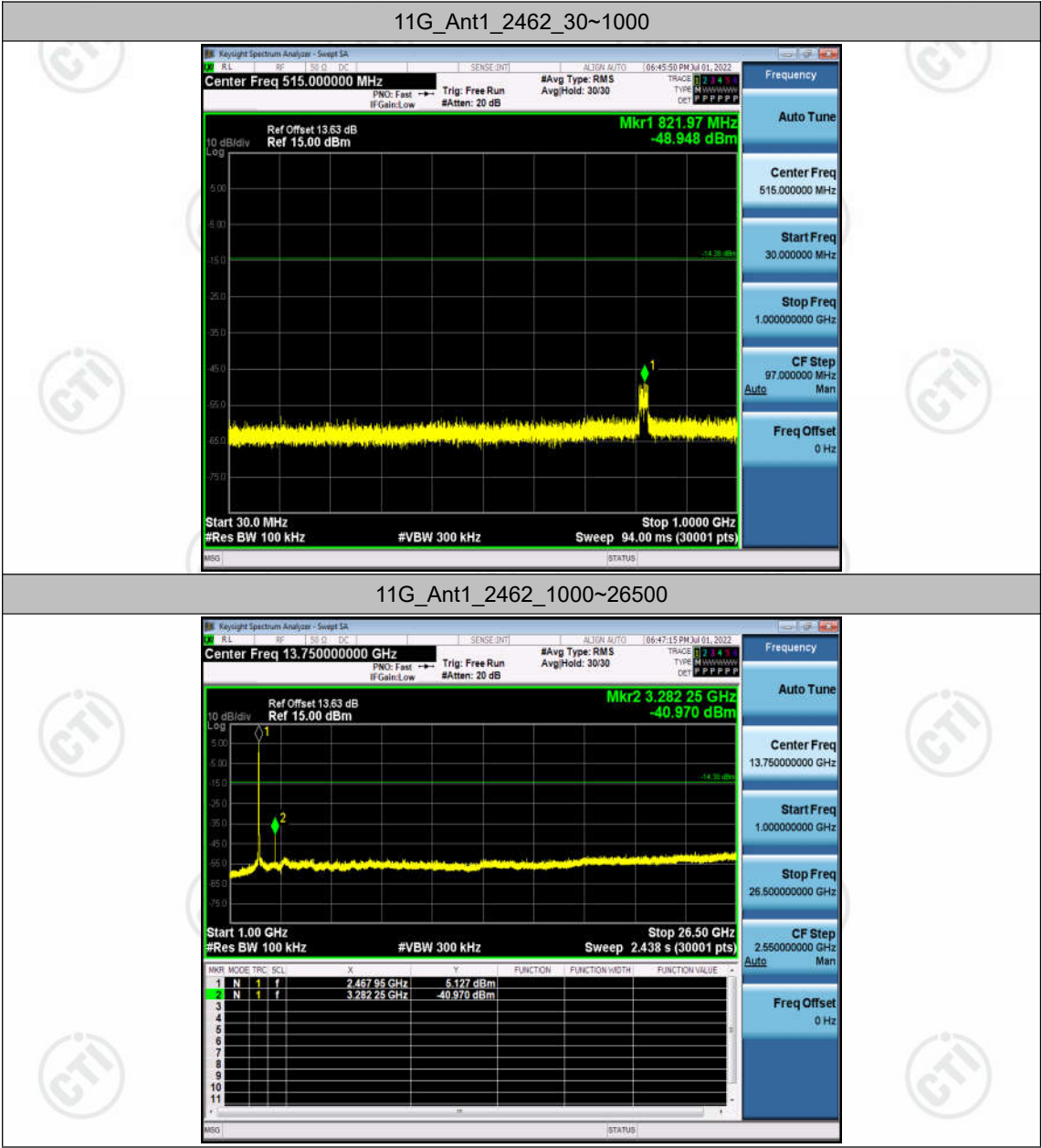


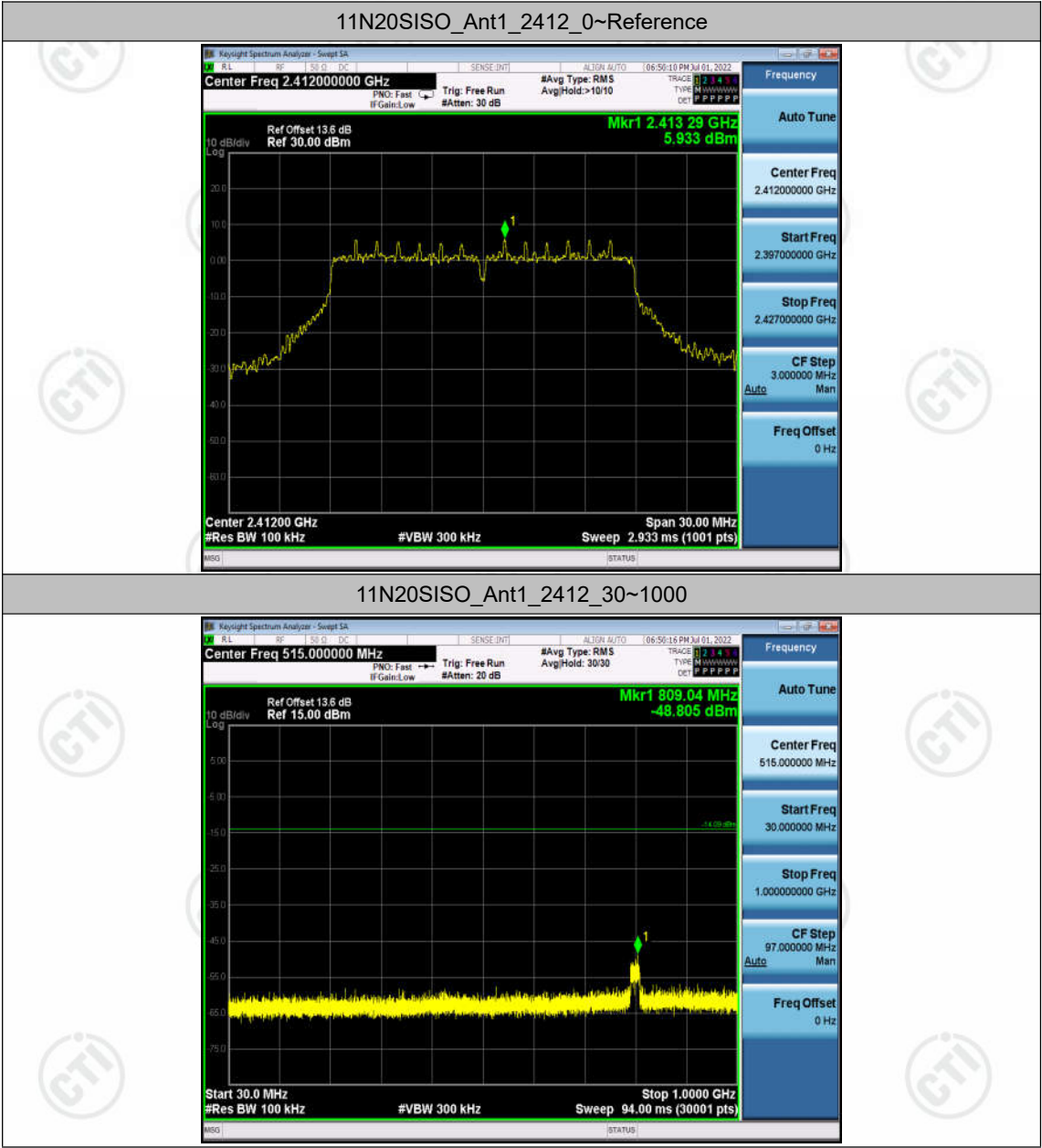


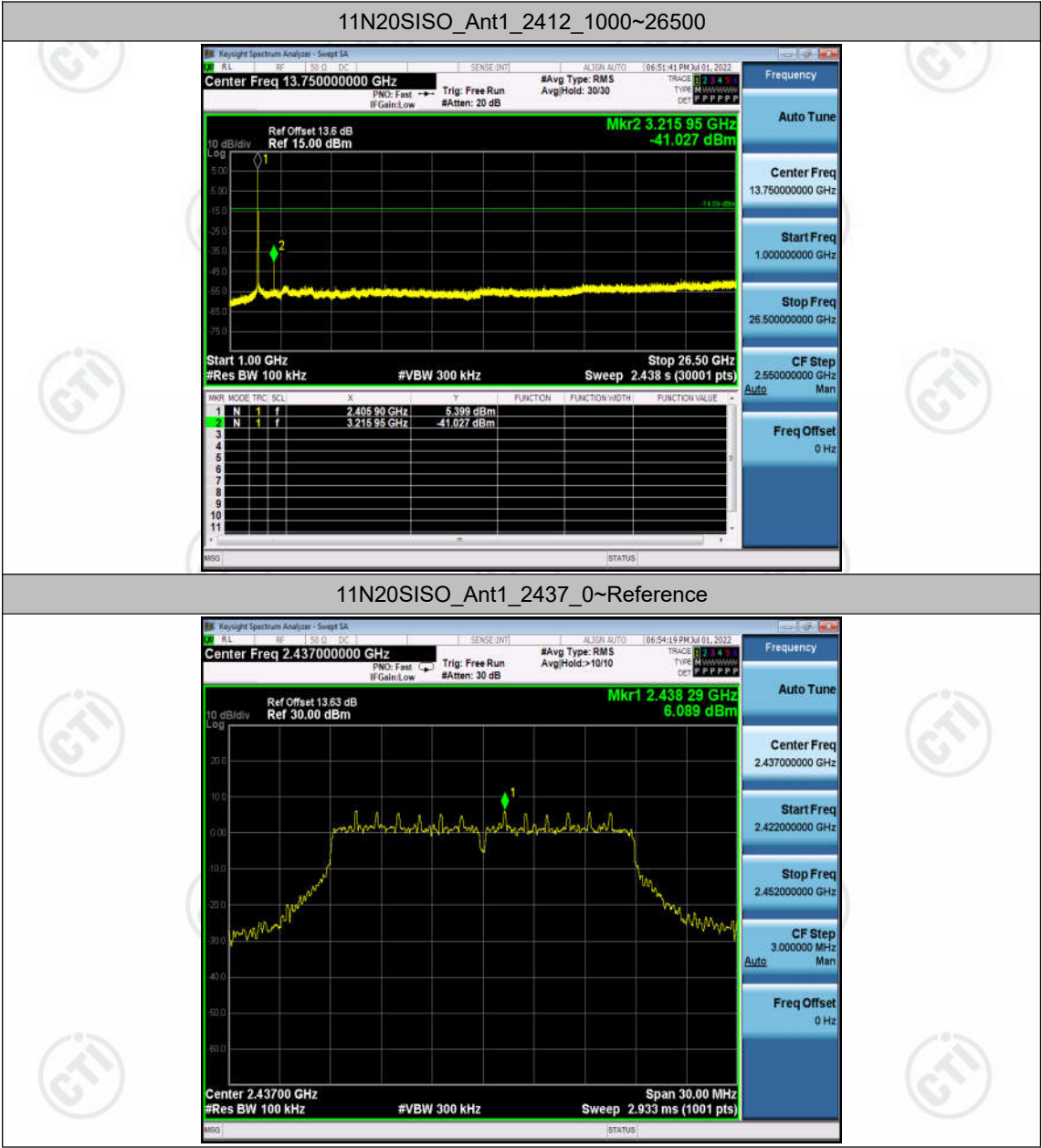


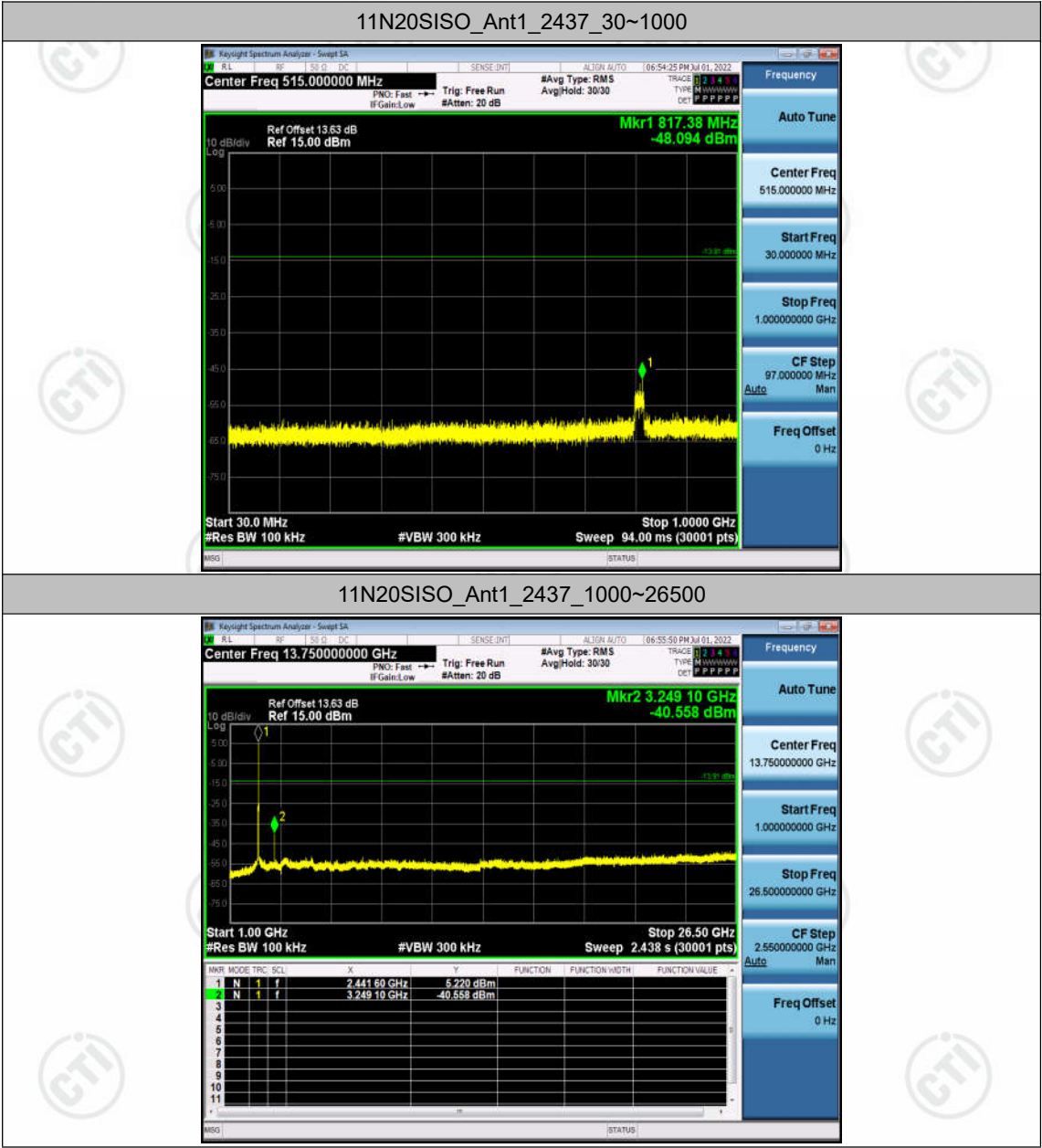


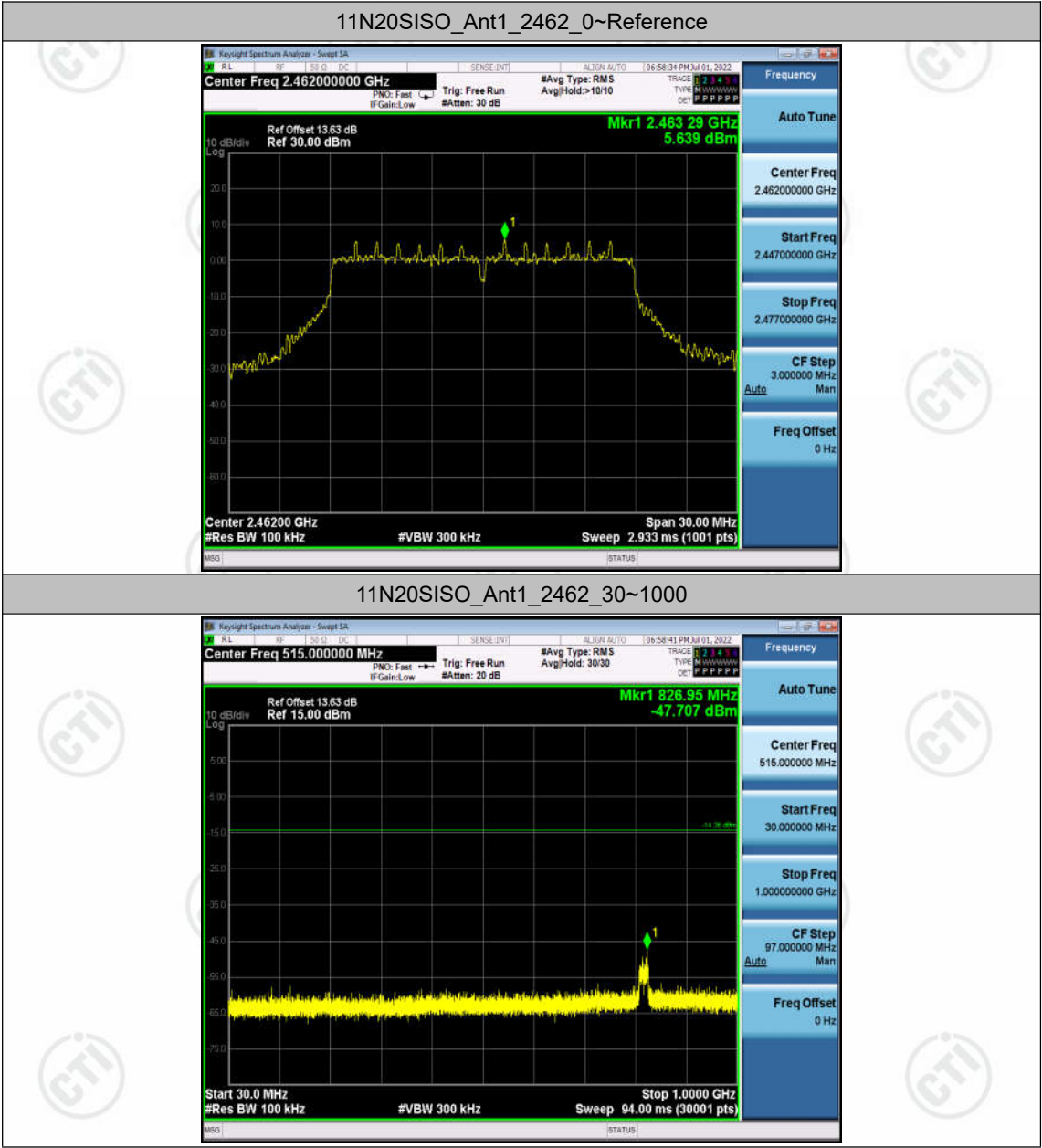


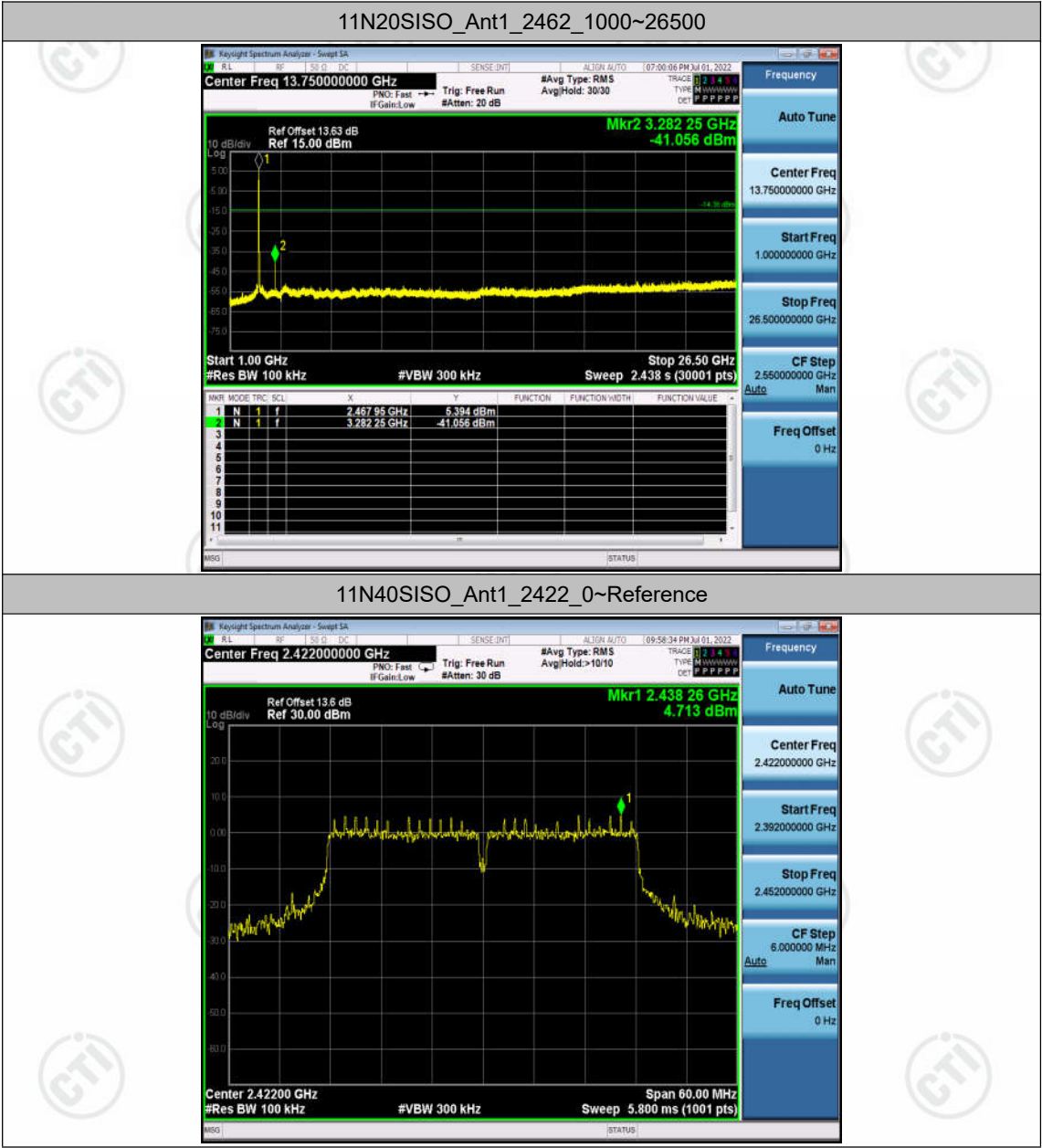


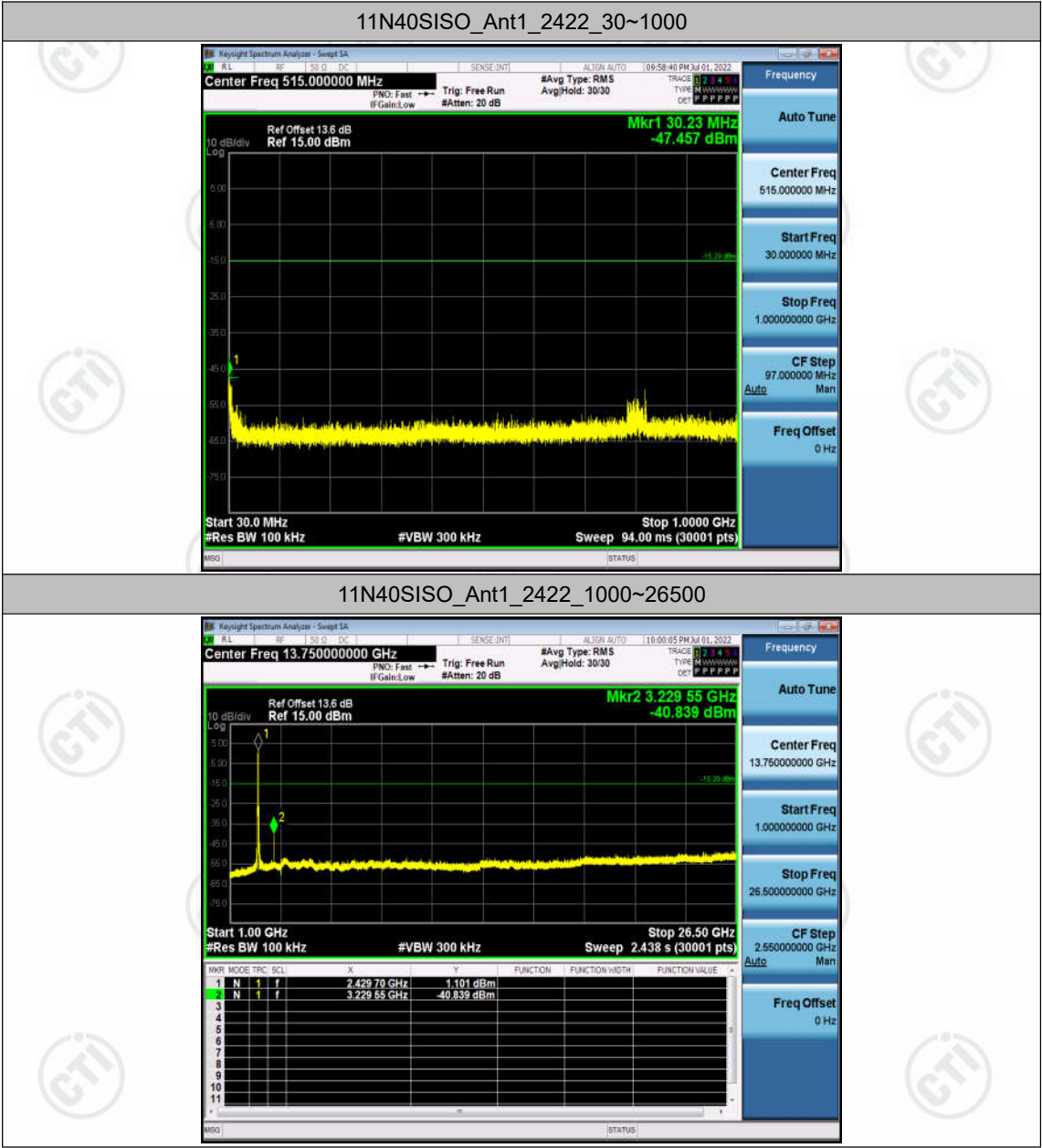


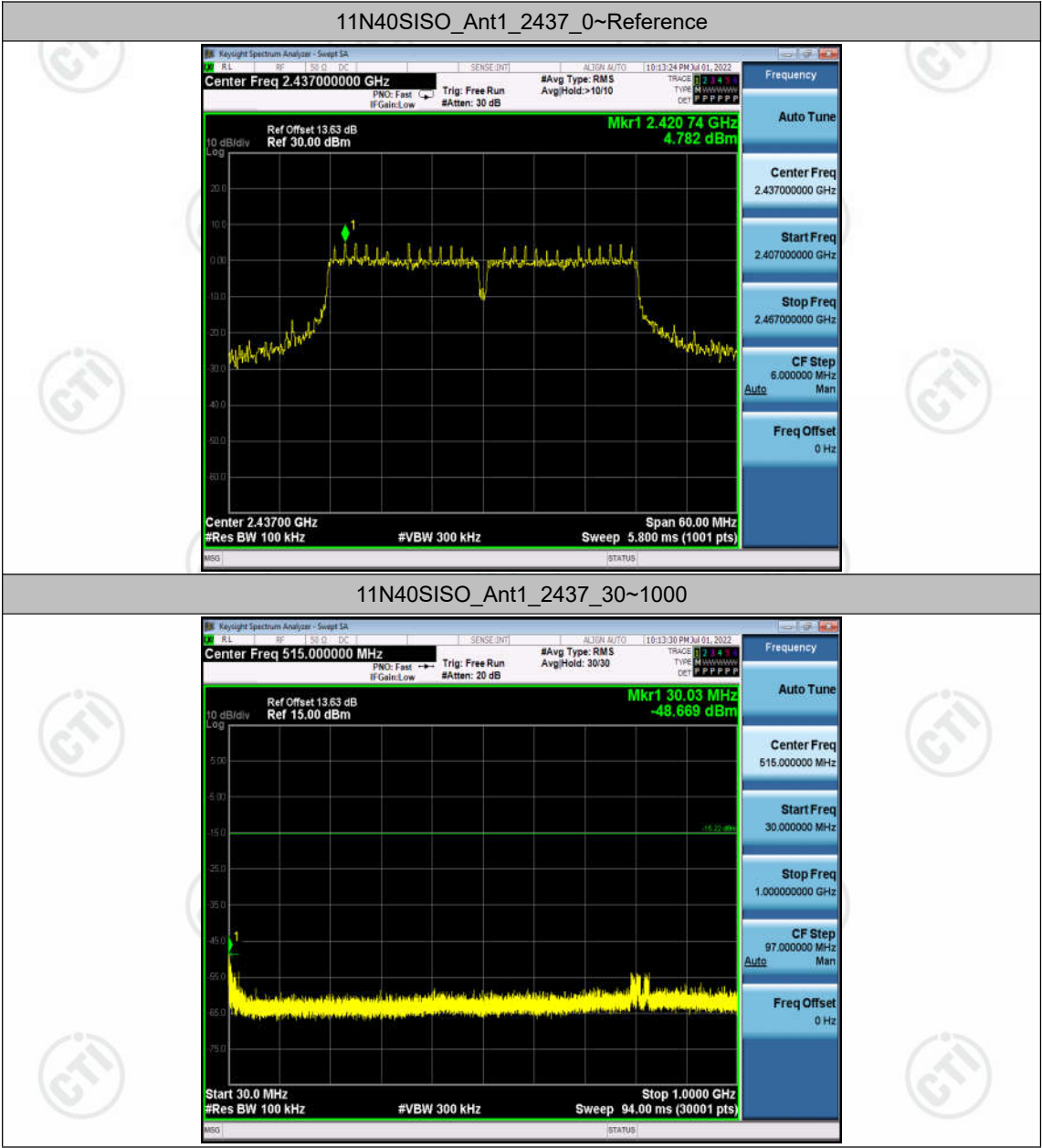


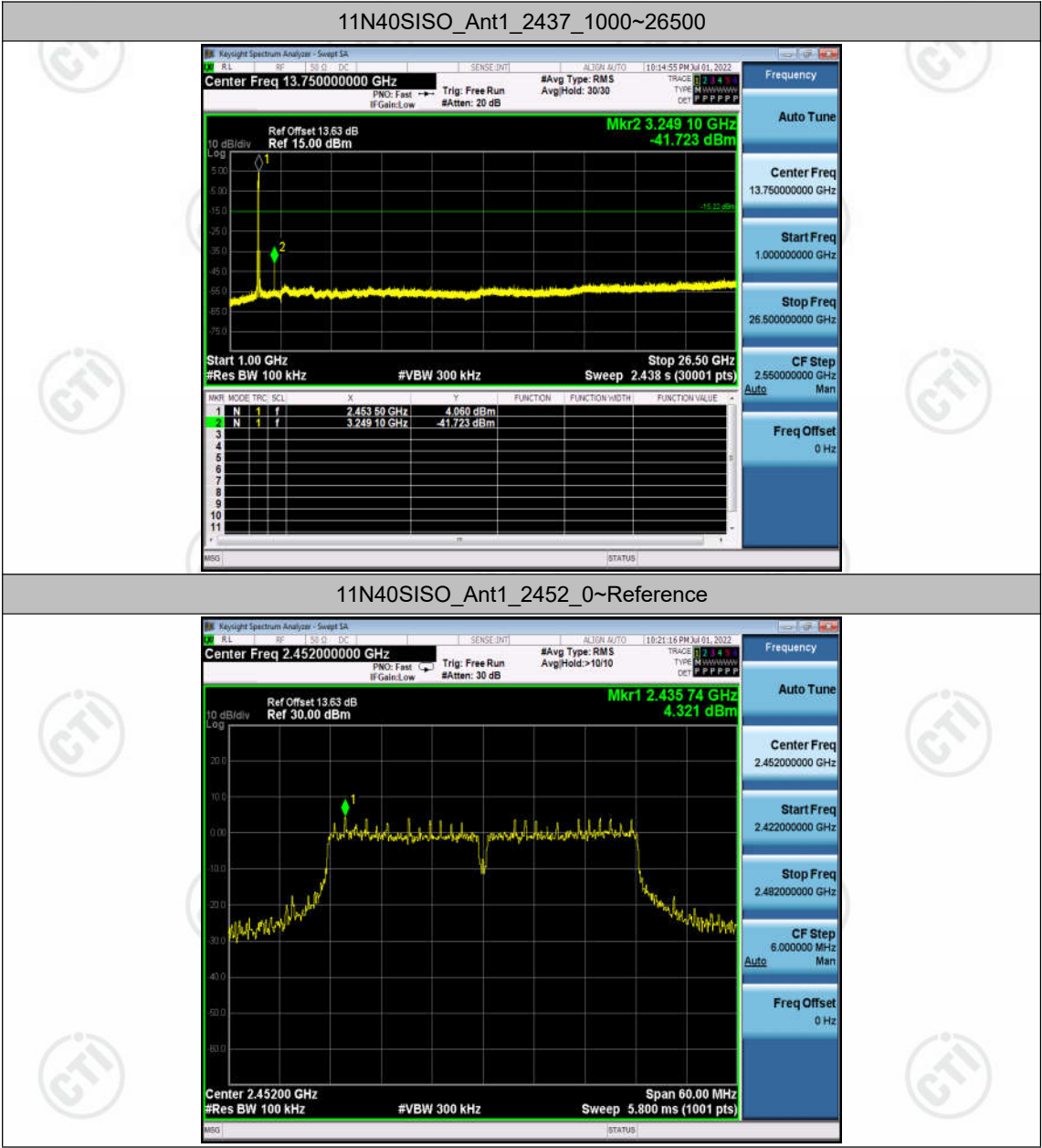


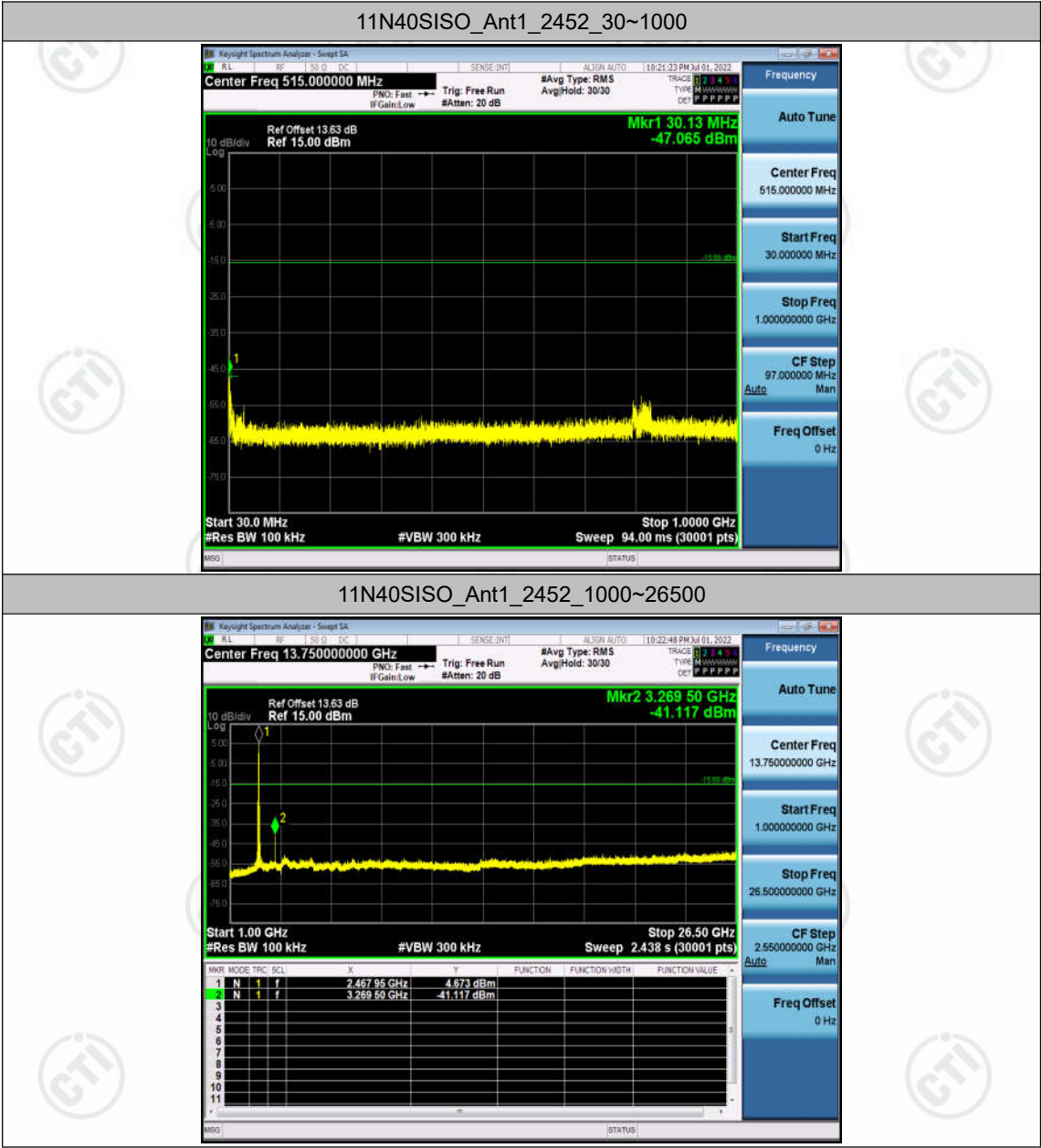










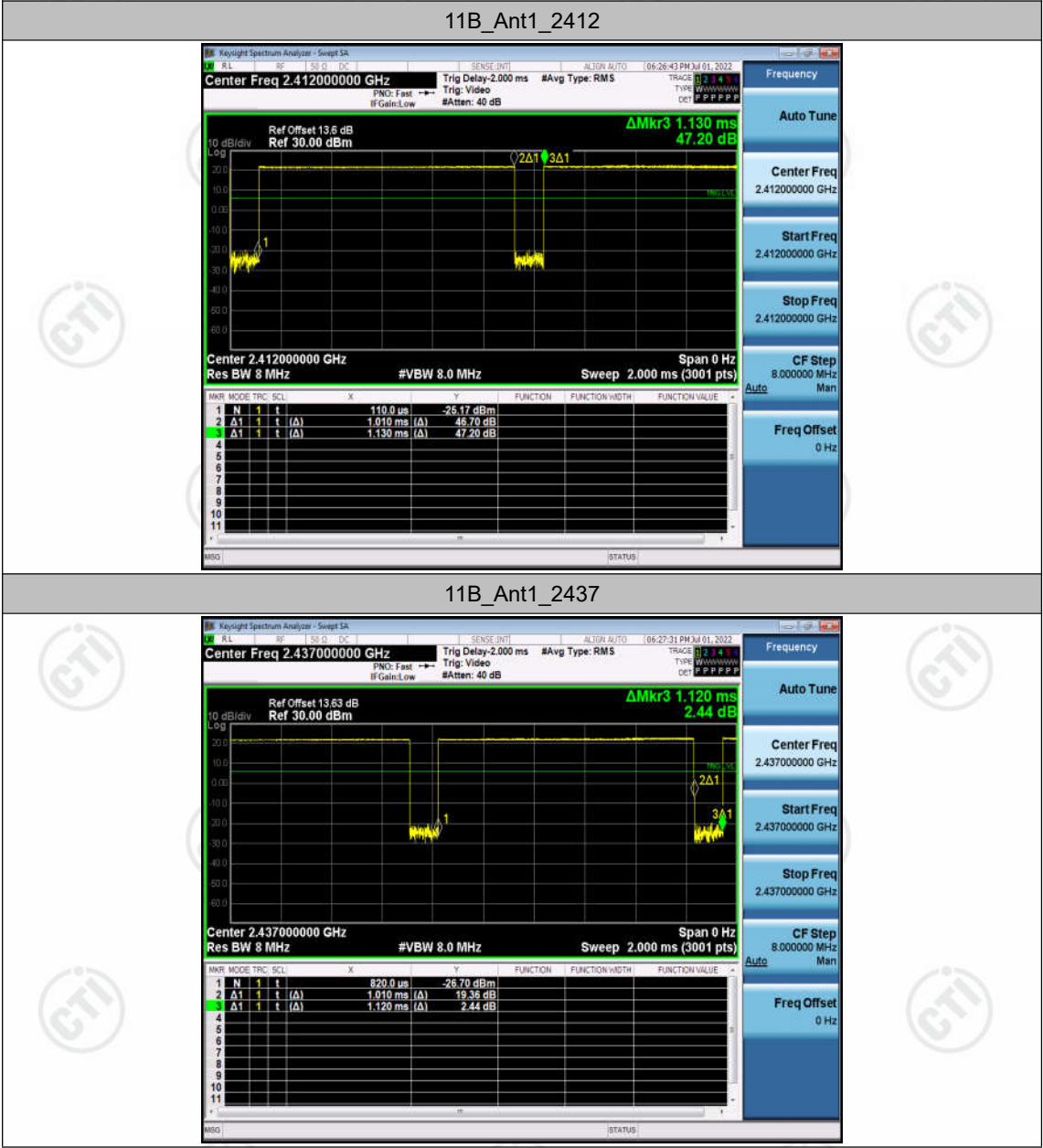


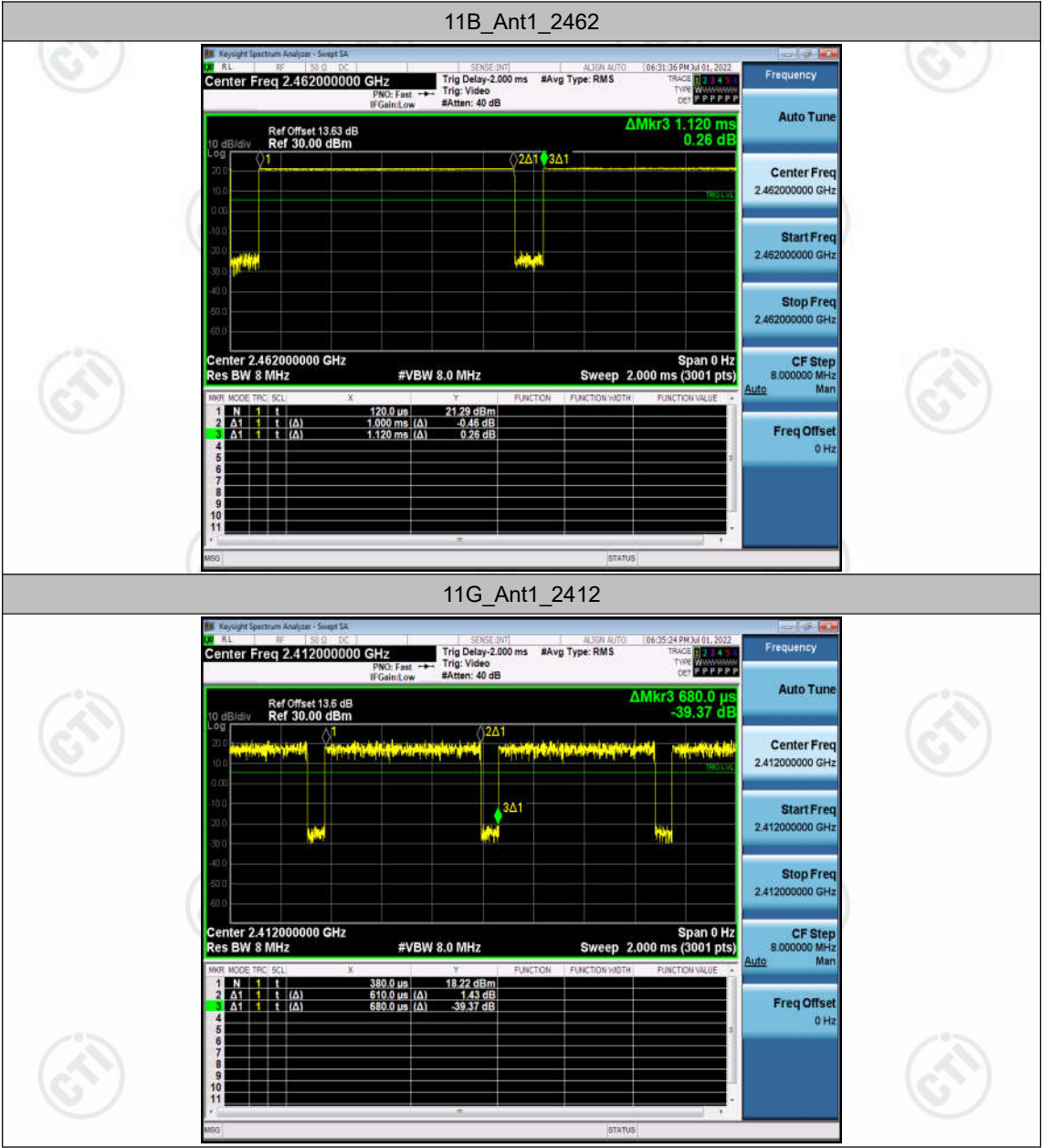
Appendix G: Duty Cycle

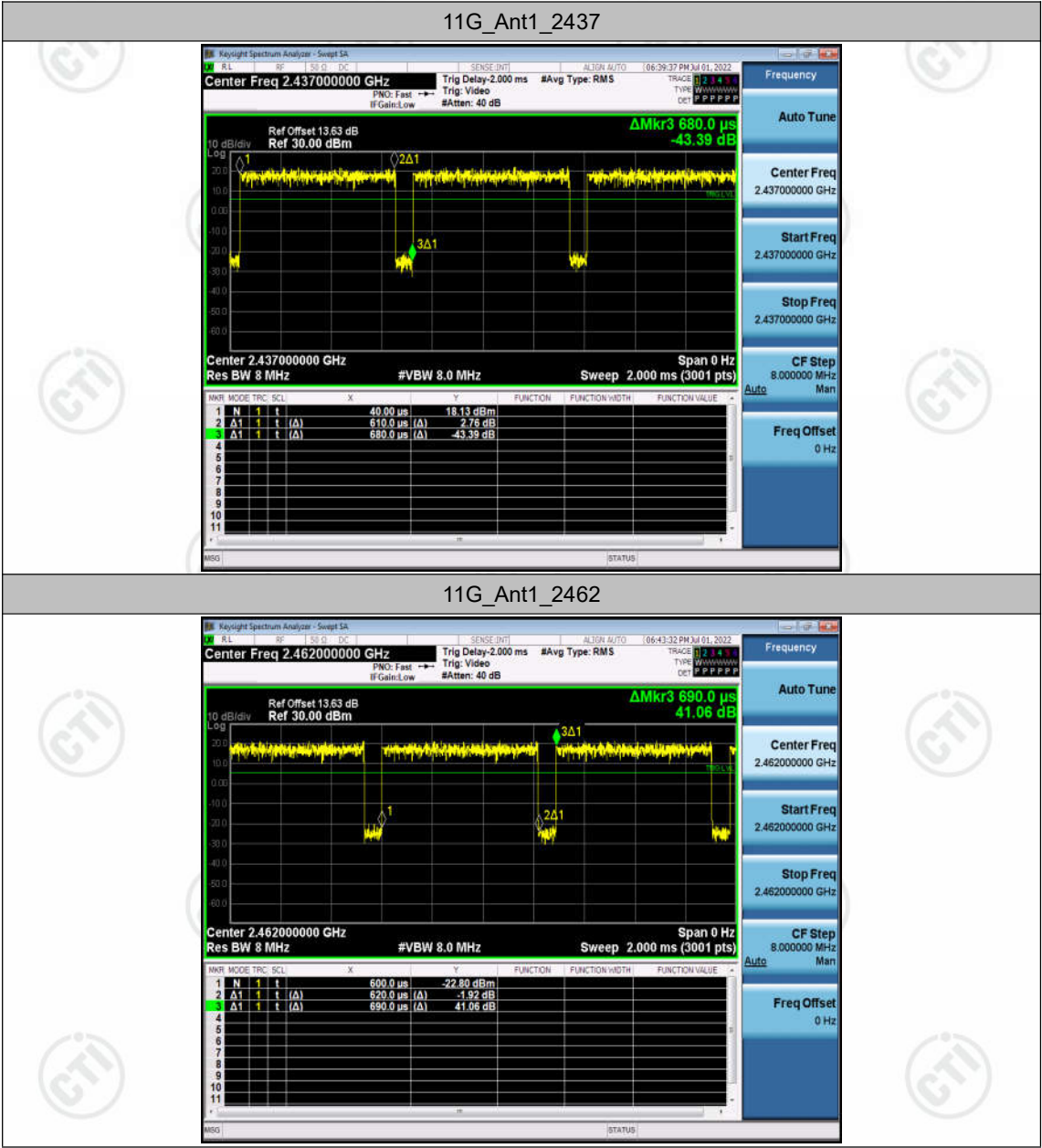
Test Result

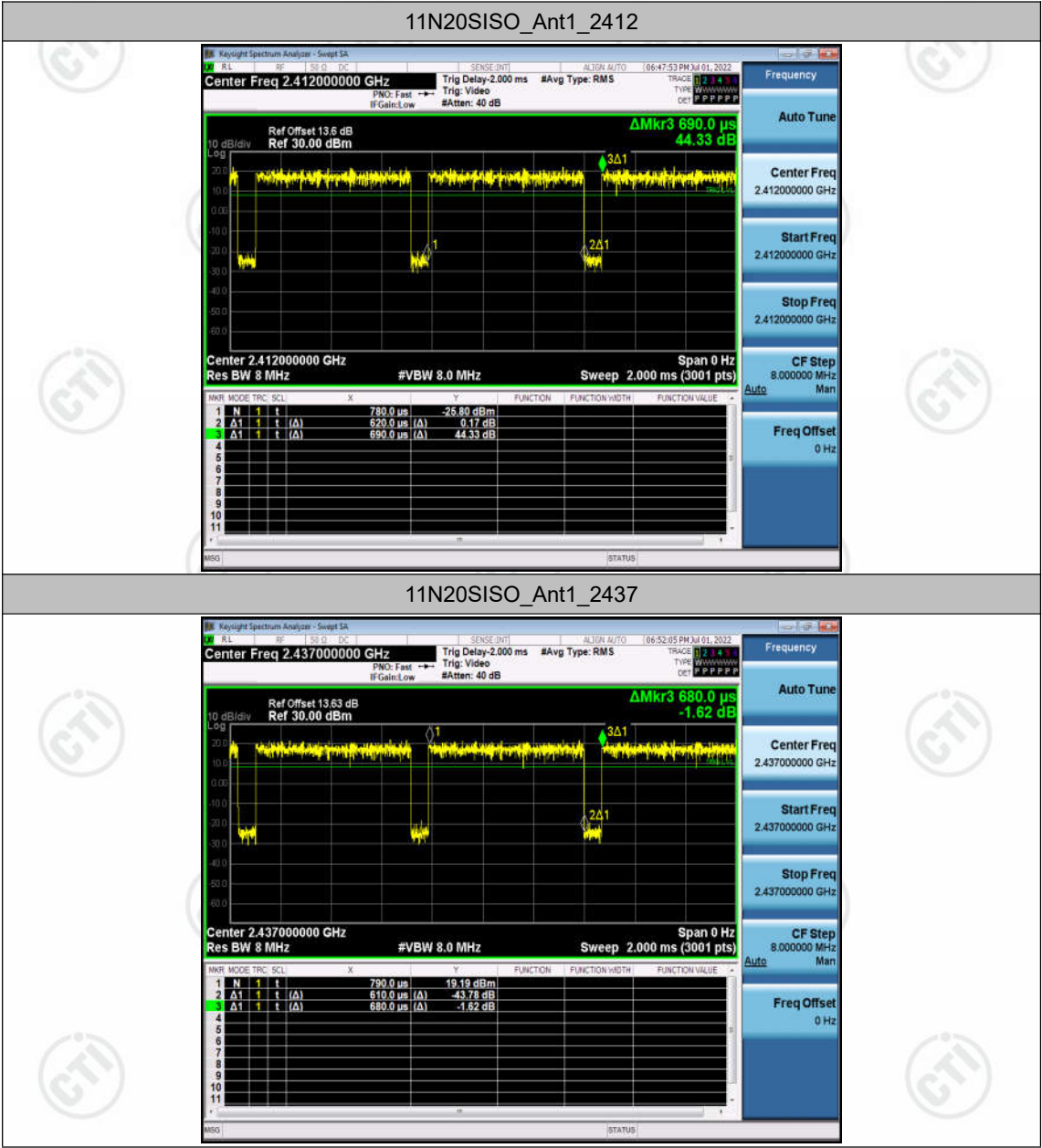
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	1.01	1.13	89.38
		2437	1.01	1.12	90.18
		2462	1.00	1.12	89.29
11G	Ant1	2412	0.61	0.68	89.71
		2437	0.61	0.68	89.71
		2462	0.62	0.69	89.86
11N20SIS O	Ant1	2412	0.62	0.69	89.86
		2437	0.61	0.68	89.71
		2462	0.61	0.68	89.71
11N40SIS O	Ant1	2422	0.58	6.63	8.75
		2437	0.58	6.63	8.75
		2452	0.58	6.63	8.75

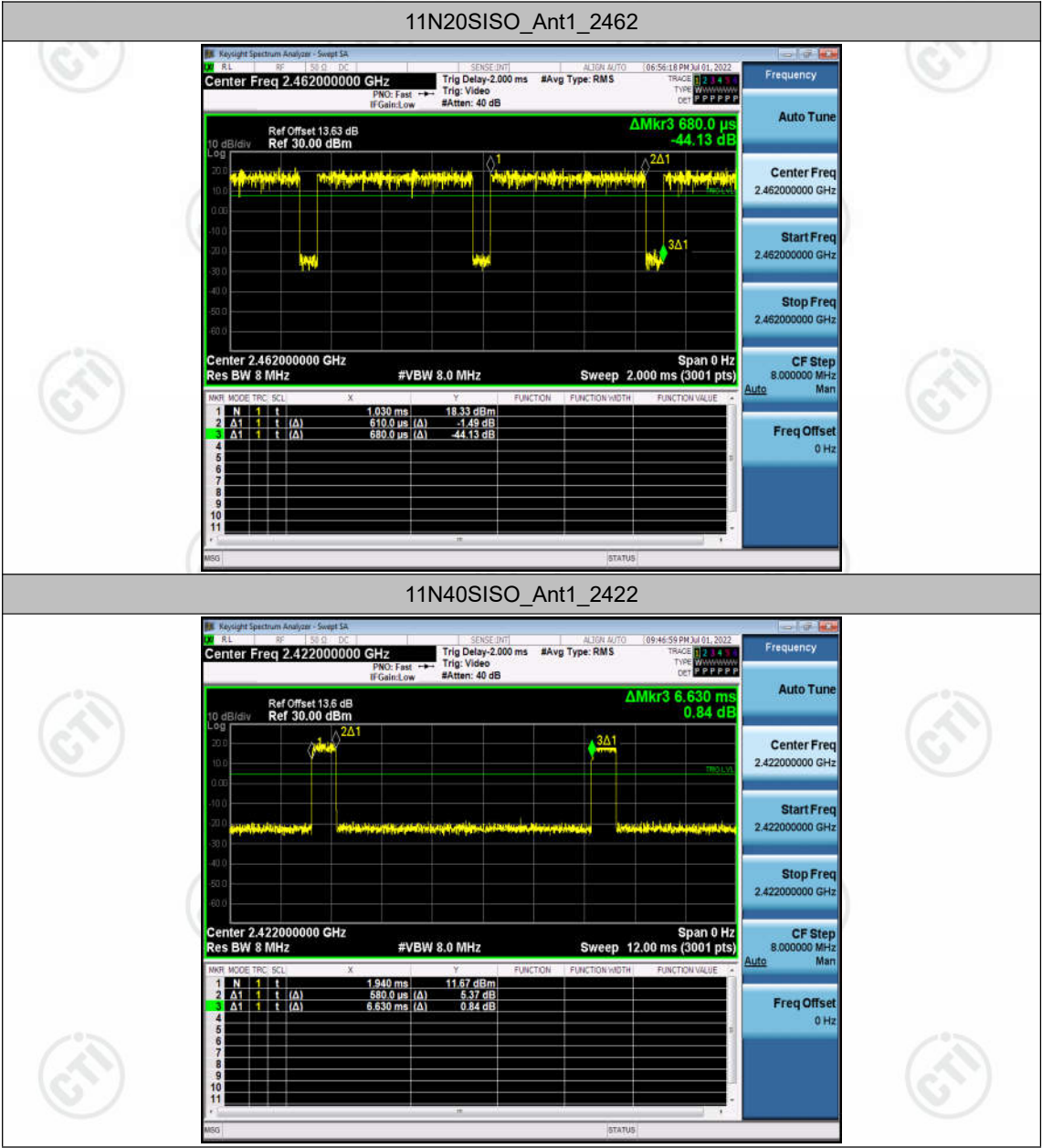
Test Graphs

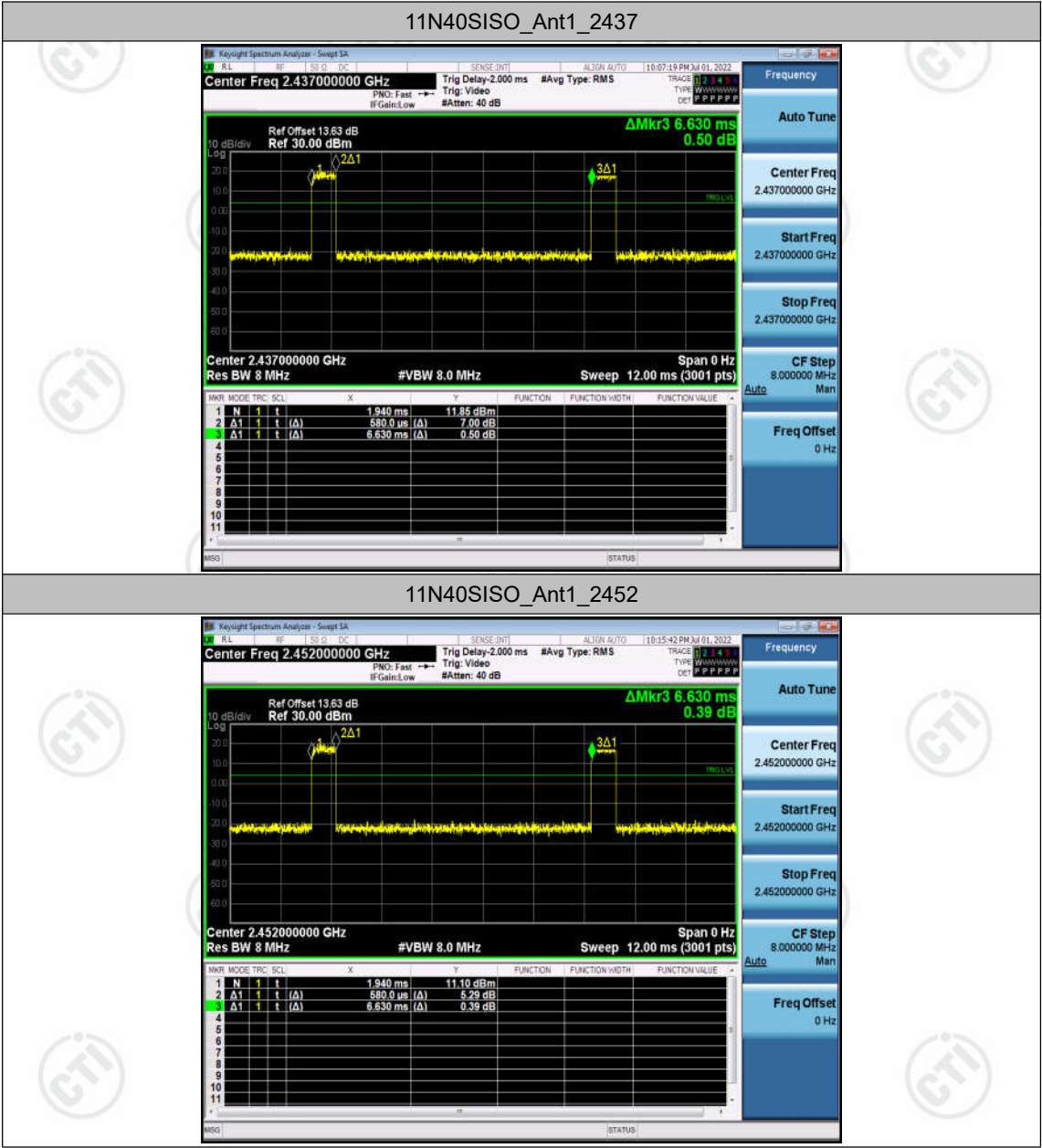












*** End of Report ***