

Appendix: 2.4G WIFI

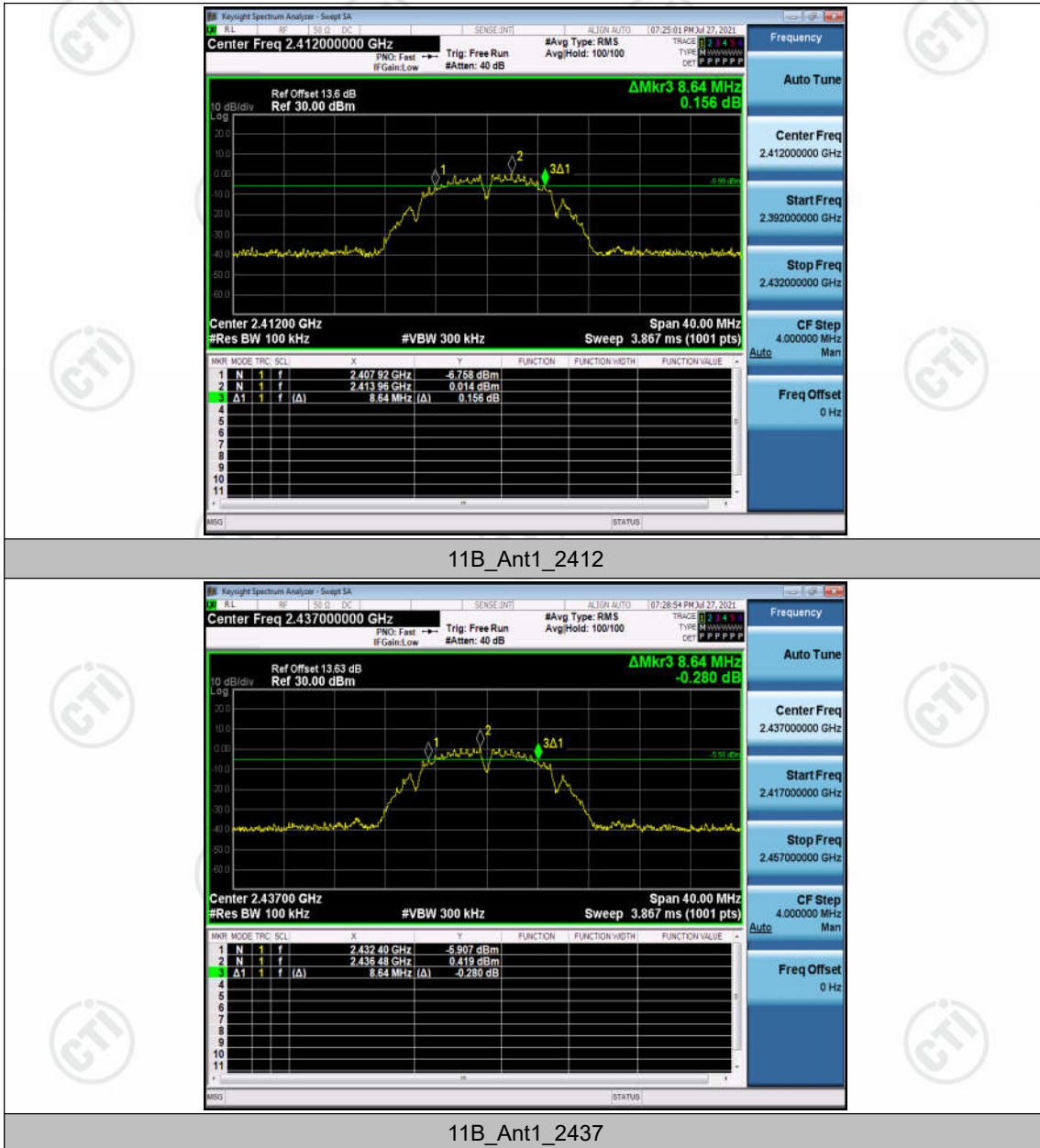
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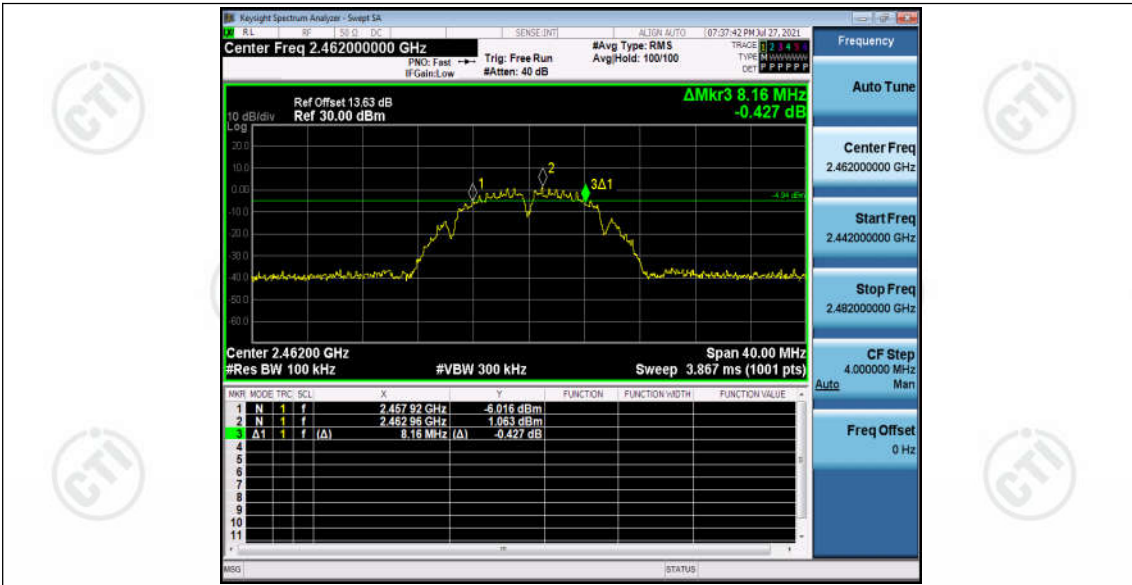
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Appendix A: DTS Bandwidth**Test Result**

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.640	2407.920	2416.560	0.5	PASS
		2437	8.640	2432.400	2441.040	0.5	PASS
		2462	8.160	2457.920	2466.080	0.5	PASS
11G	Ant1	2412	15.680	2404.480	2420.160	0.5	PASS
		2437	16.400	2428.760	2445.160	0.5	PASS
		2462	14.880	2455.280	2470.160	0.5	PASS
11N20SISO	Ant1	2412	16.400	2404.360	2420.760	0.5	PASS
		2437	17.400	2428.120	2445.520	0.5	PASS
		2462	16.120	2454.400	2470.520	0.5	PASS

Test Graphs

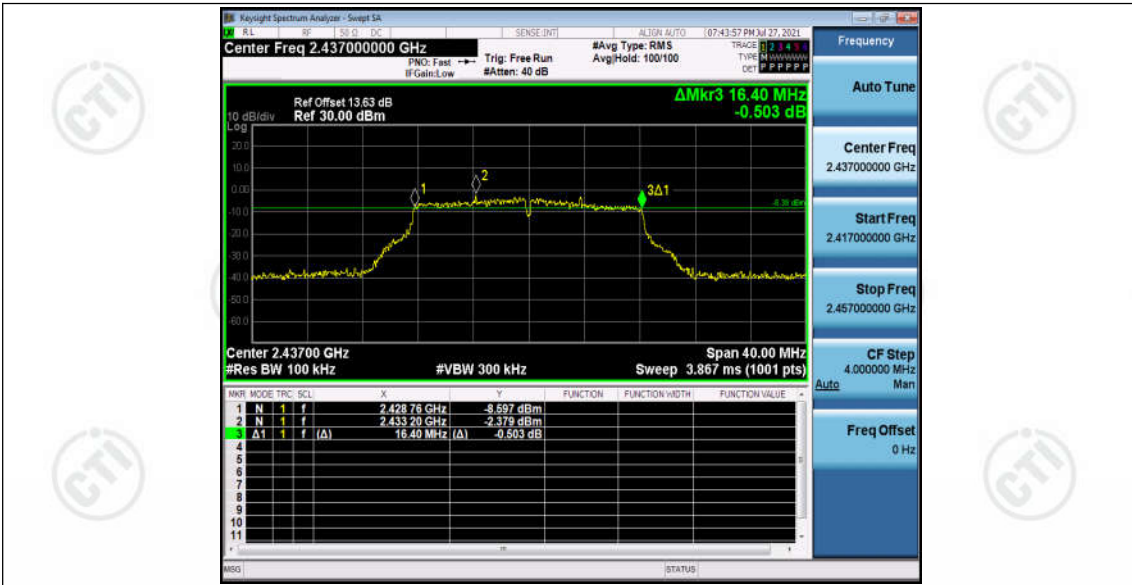




11B_Ant1_2462



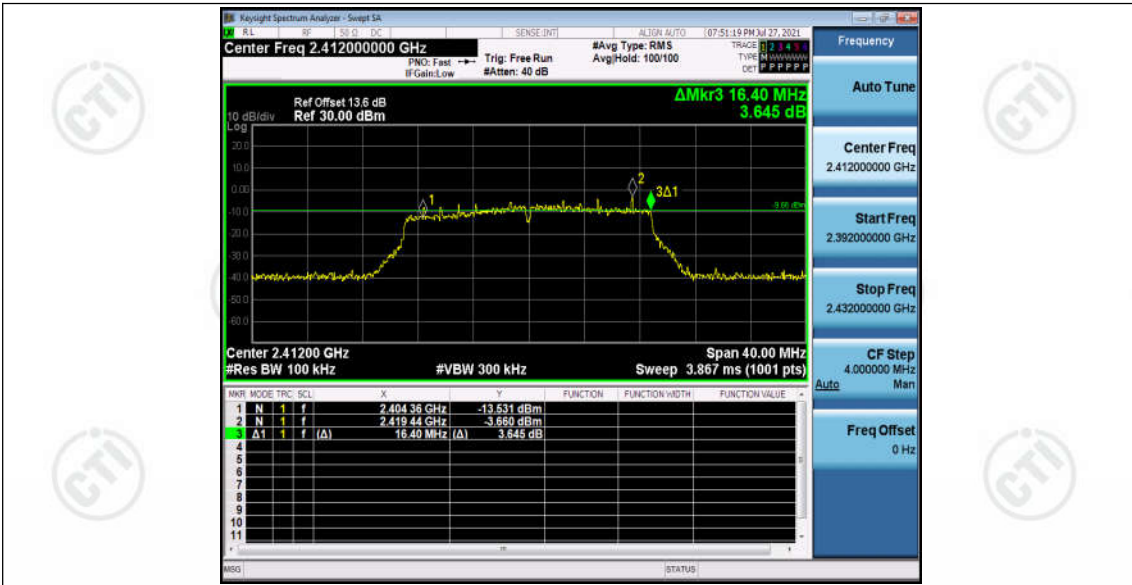
11G_Ant1_2412



11G_Ant1_2437



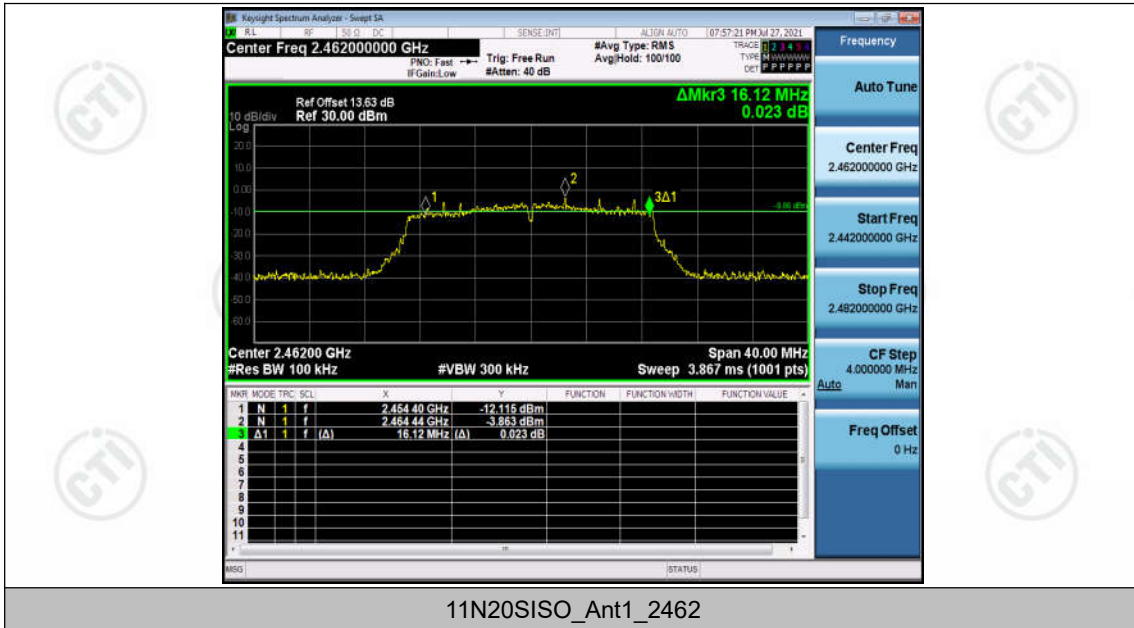
11G_Ant1_2462



11N20SISO_Ant1_2412



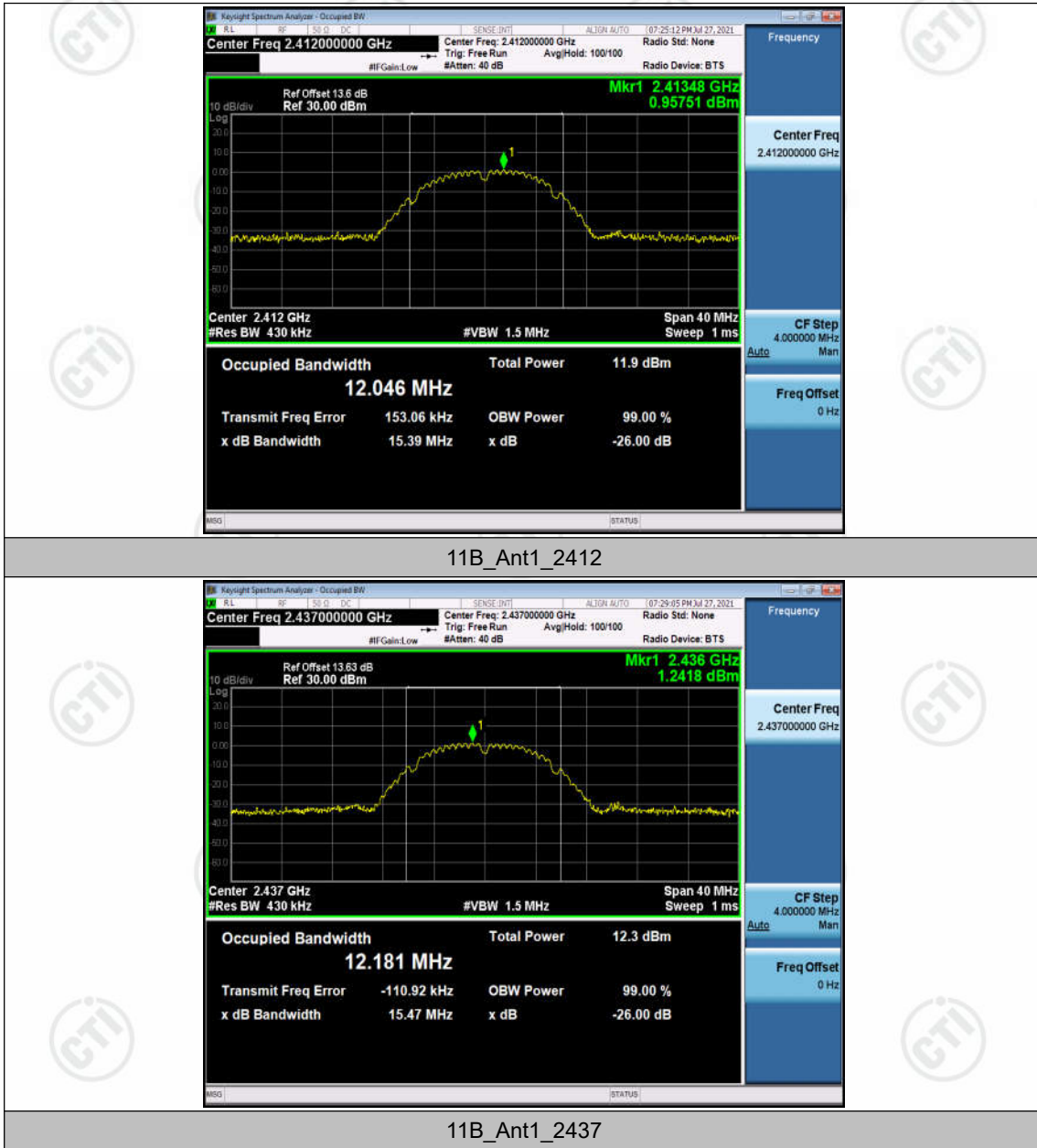
11N20SISO_Ant1_2437

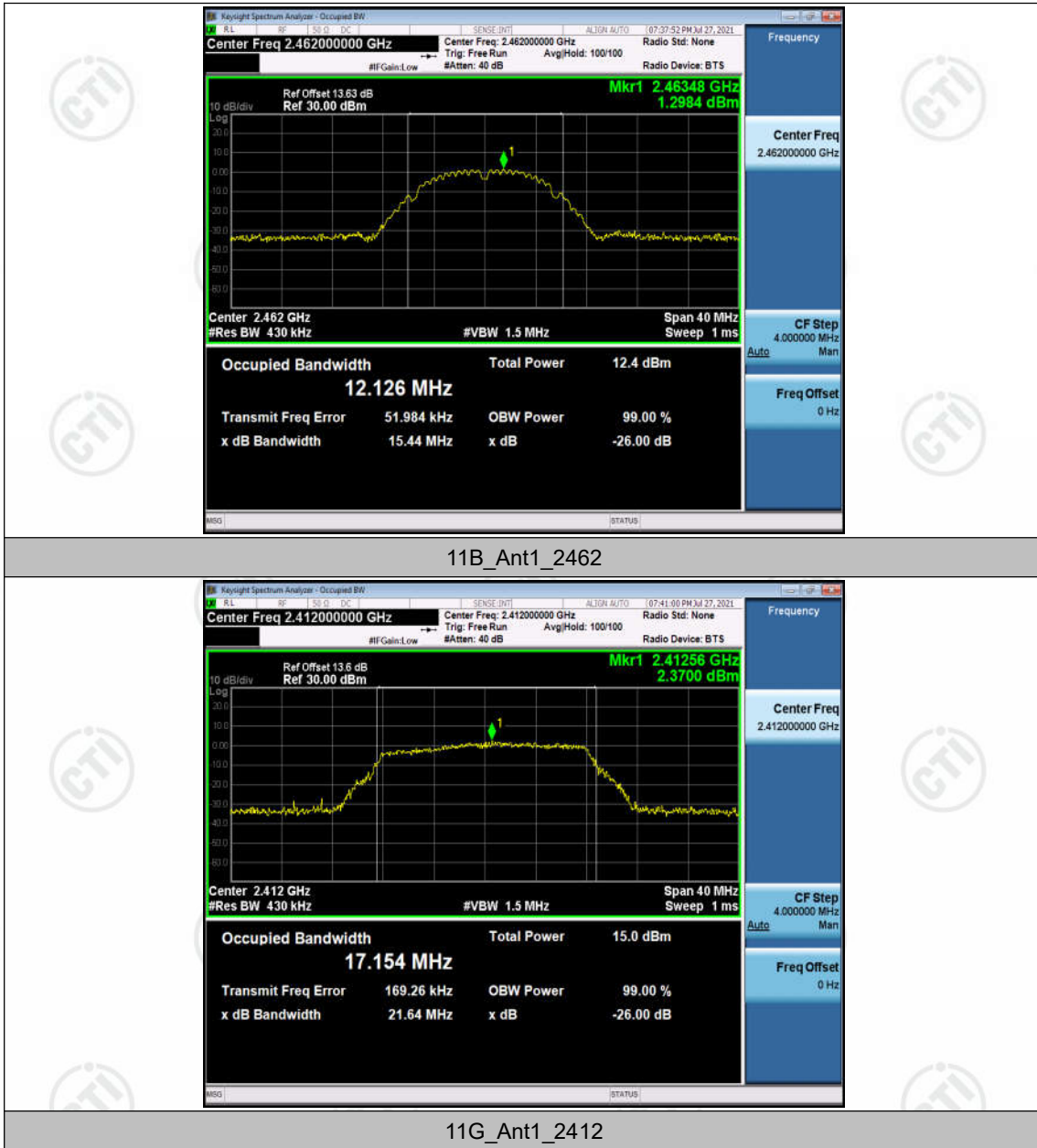


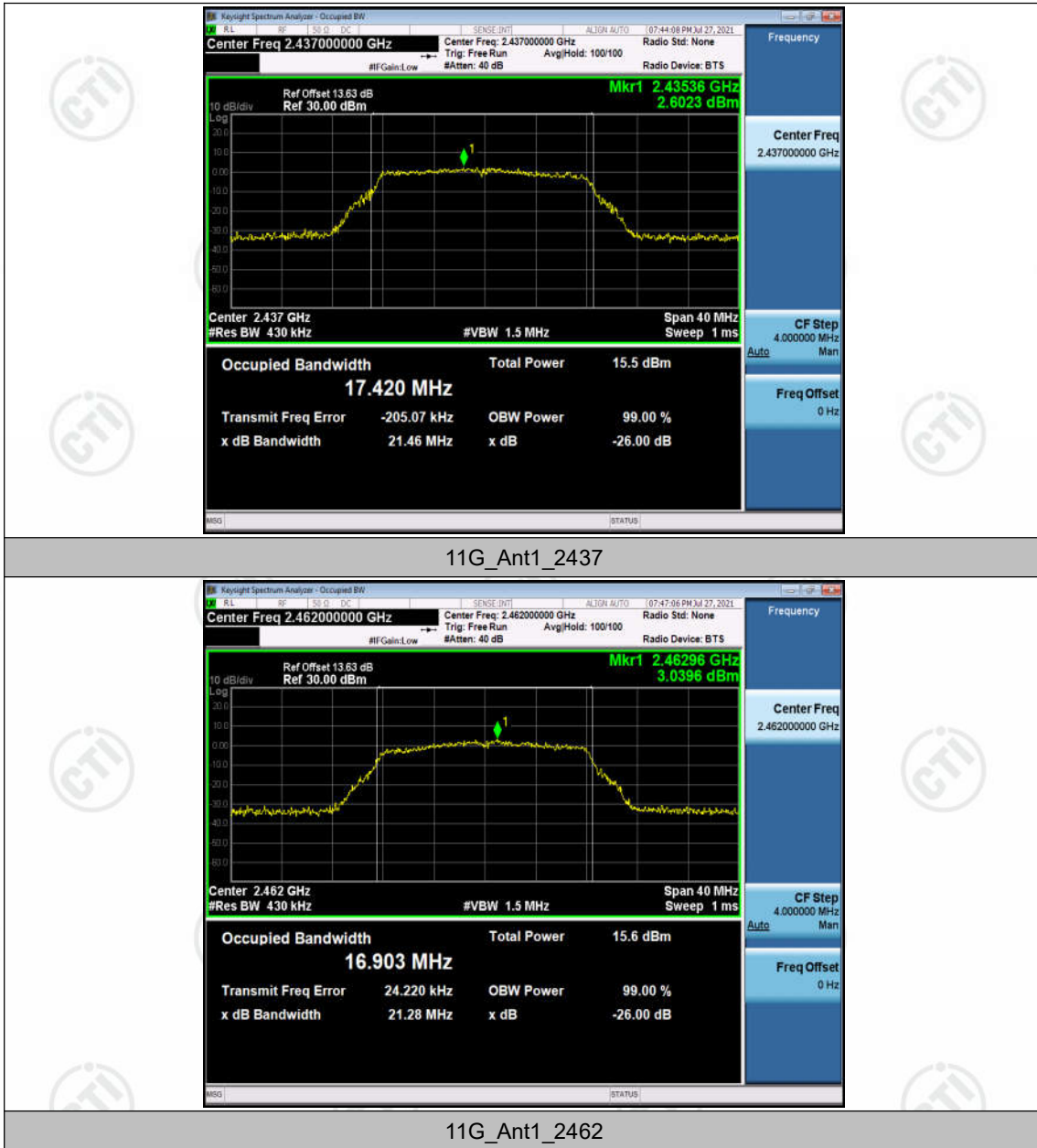
Appendix B: Occupied Channel Bandwidth**Test Result**

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.046	2406.130	2418.176	---	PASS
		2437	12.181	2430.799	2442.980	---	PASS
		2462	12.126	2455.989	2468.115	---	PASS
11G	Ant1	2412	17.154	2403.592	2420.746	---	PASS
		2437	17.420	2428.085	2445.505	---	PASS
		2462	16.903	2453.573	2470.476	---	PASS
11N20SISO	Ant1	2412	18.239	2403.058	2421.297	---	PASS
		2437	18.263	2427.749	2446.012	---	PASS
		2462	18.064	2453.044	2471.108	---	PASS

Test Graphs





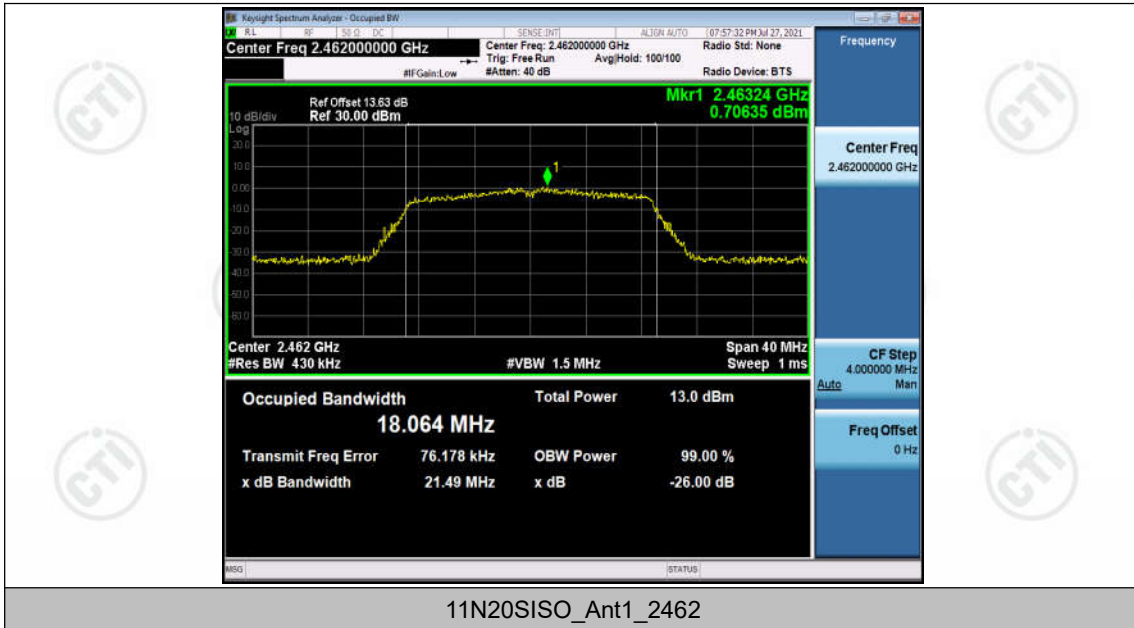




11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

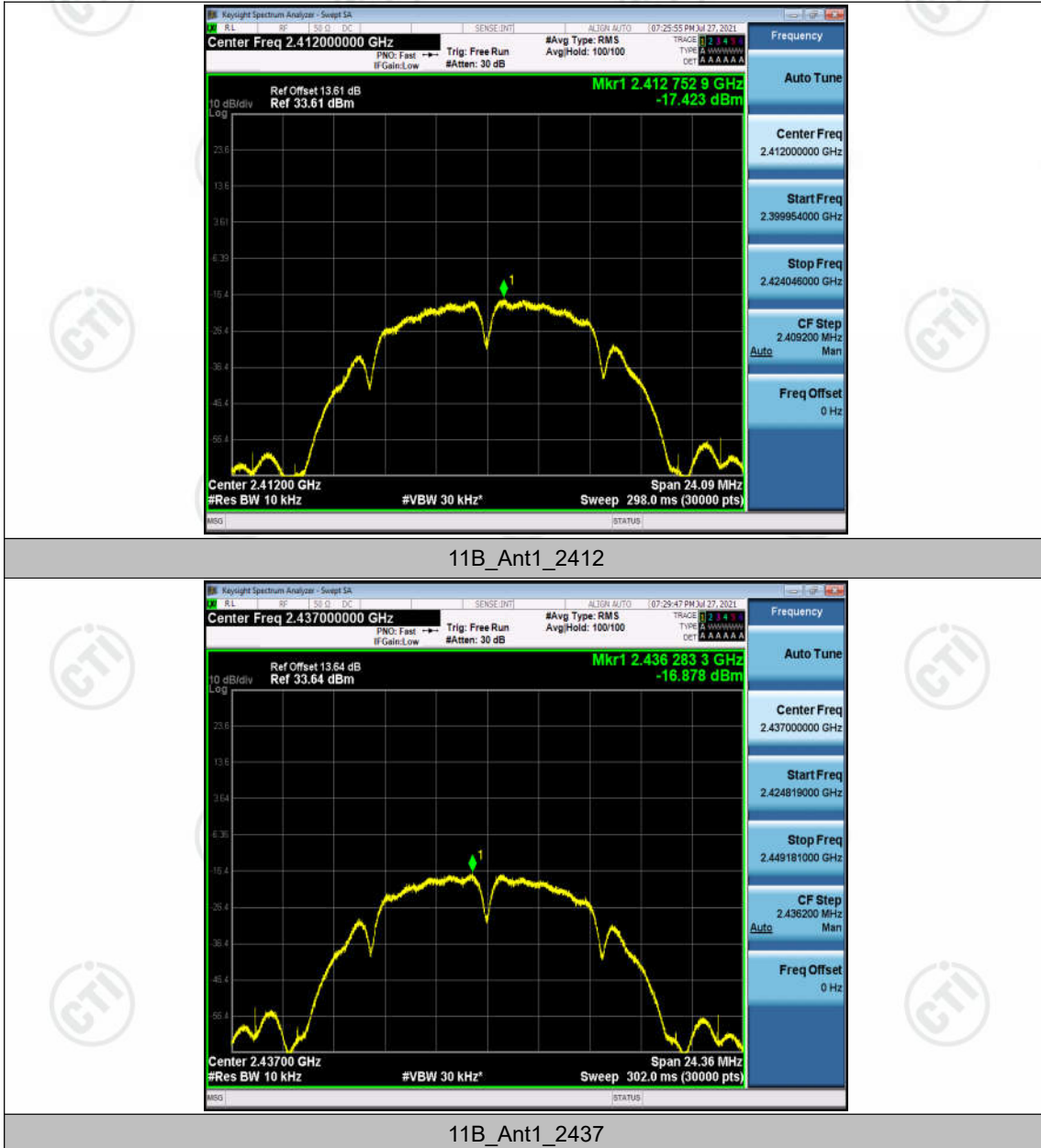
Appendix C: Maximum conducted output power**Test Result**

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	9.08	<=30	PASS
		2437	9.32	<=30	PASS
		2462	9.44	<=30	PASS
11G	Ant1	2412	9.12	<=30	PASS
		2437	9.28	<=30	PASS
		2462	9.43	<=30	PASS
11N20SISO	Ant1	2412	6.88	<=30	PASS
		2437	7.27	<=30	PASS
		2462	6.92	<=30	PASS

Appendix D: Maximum power spectral density**Test Result**

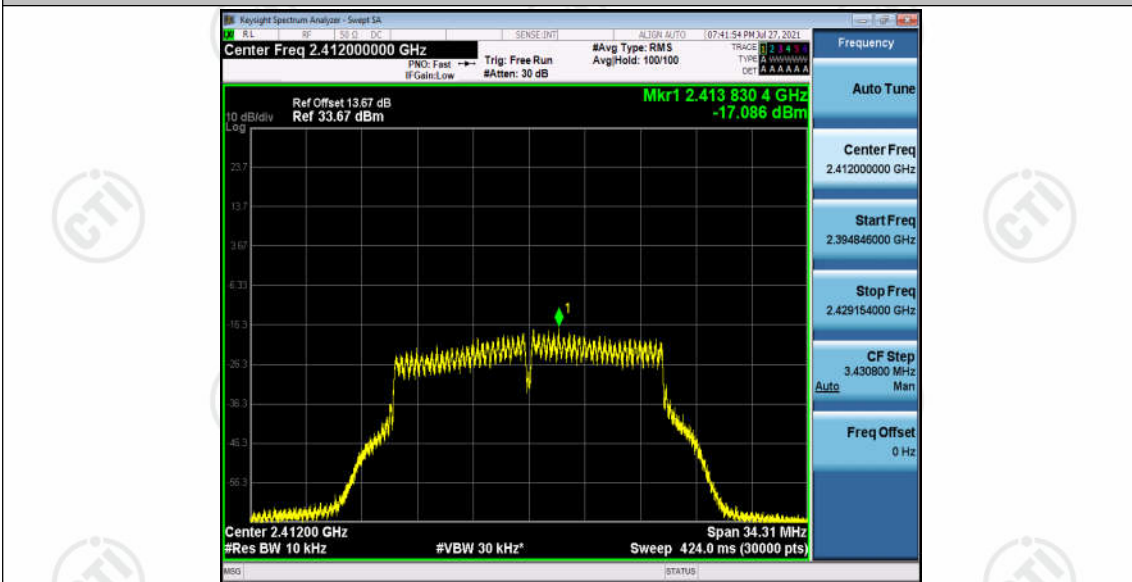
Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-17.42	<=8	PASS
		2437	-16.88	<=8	PASS
		2462	-17.1	<=8	PASS
11G	Ant1	2412	-17.09	<=8	PASS
		2437	-16.86	<=8	PASS
		2462	-17.24	<=8	PASS
11N20SISO	Ant1	2412	-21.37	<=8	PASS
		2437	-20.39	<=8	PASS
		2462	-20.36	<=8	PASS

Test Graphs

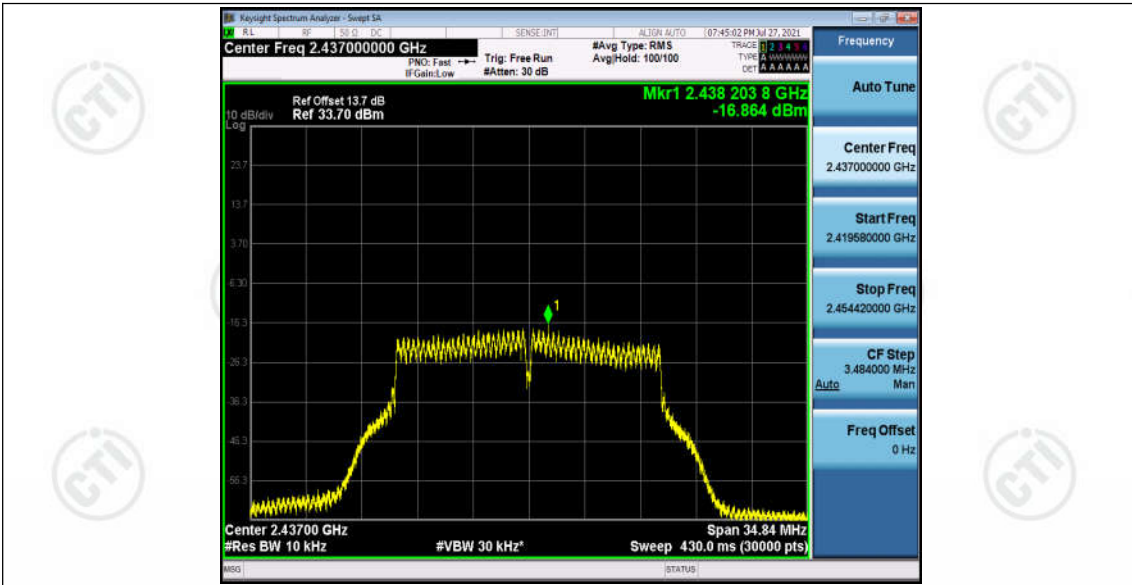




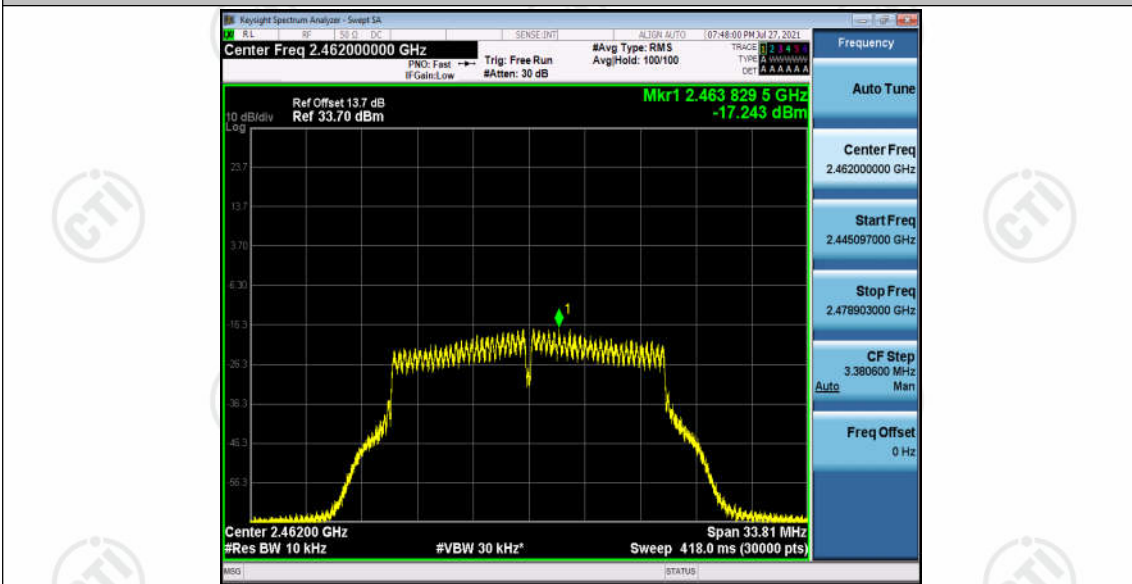
11B_Ant1_2462



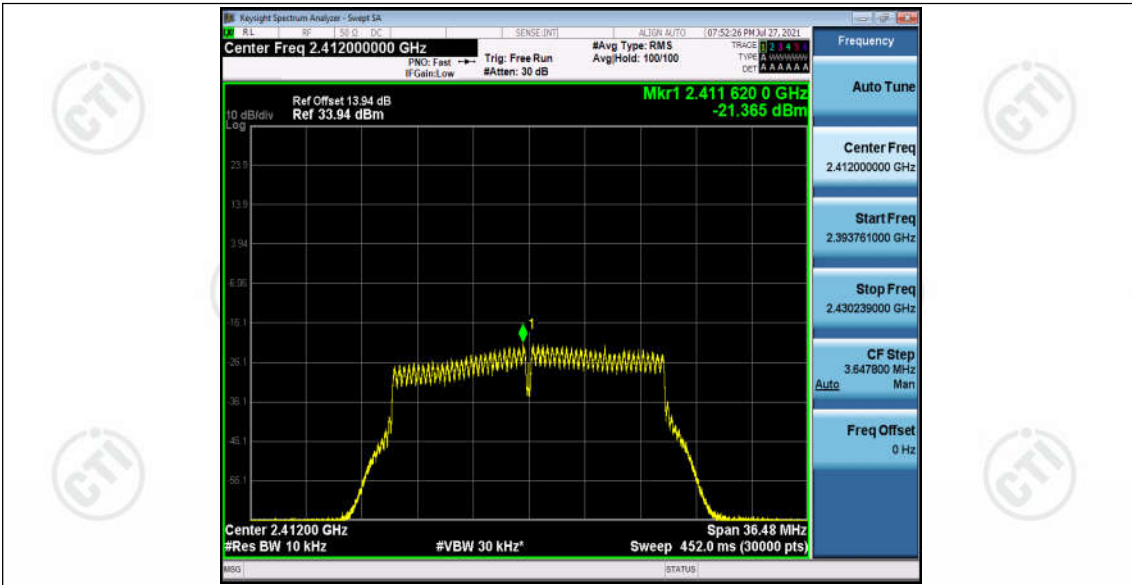
11G_Ant1_2412



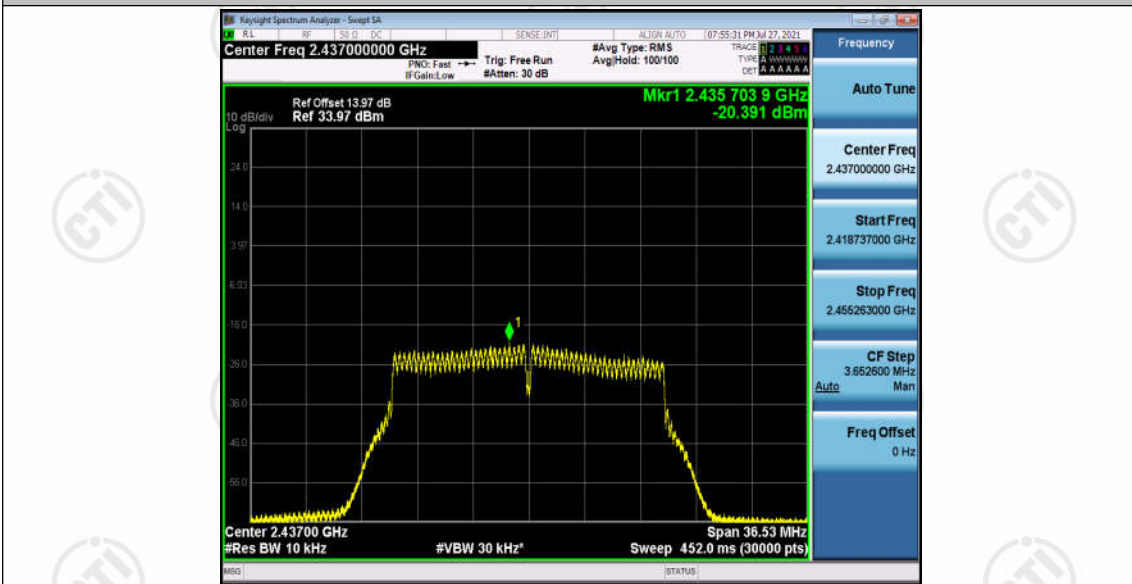
11G_Ant1_2437



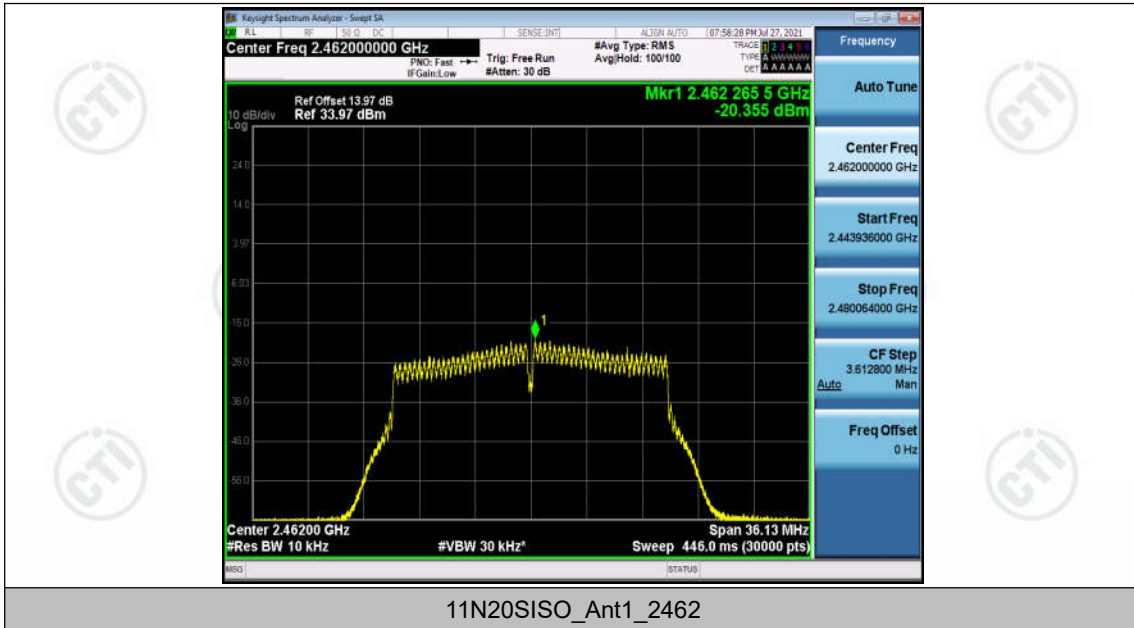
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

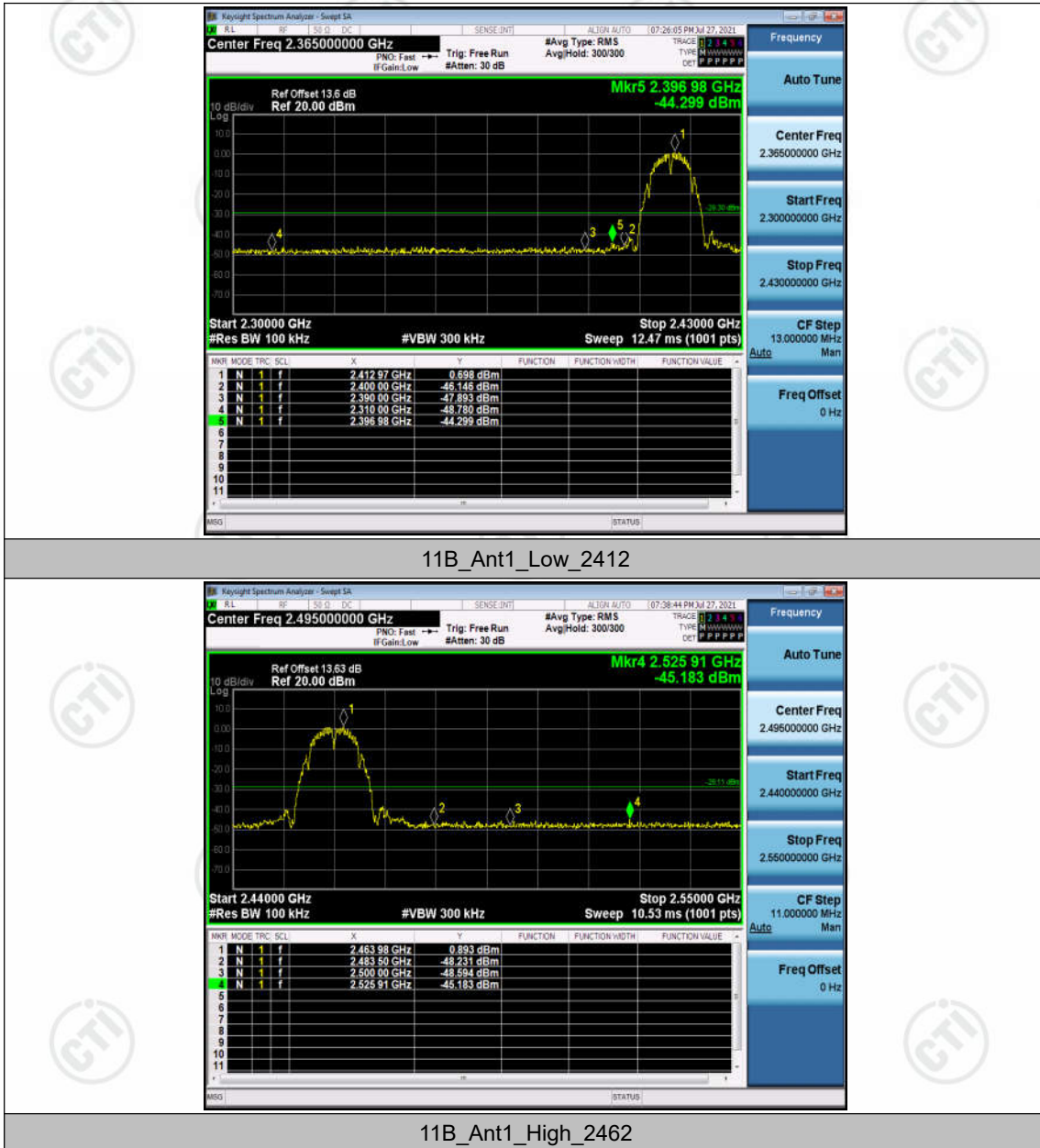


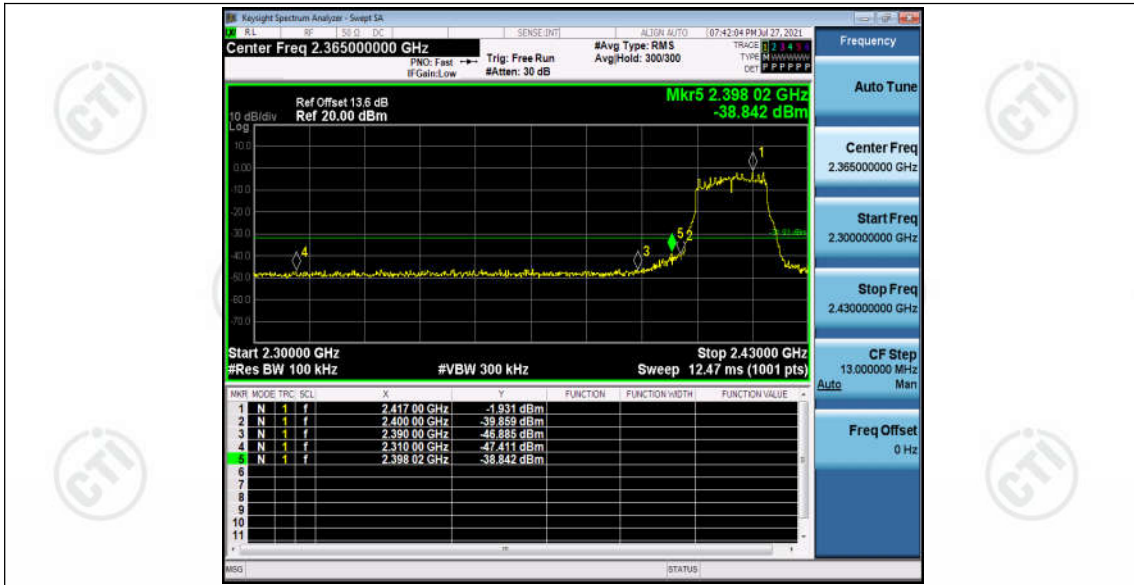
11N20SISO_Ant1_2462

Appendix E:Band edge measurements**Test Result**

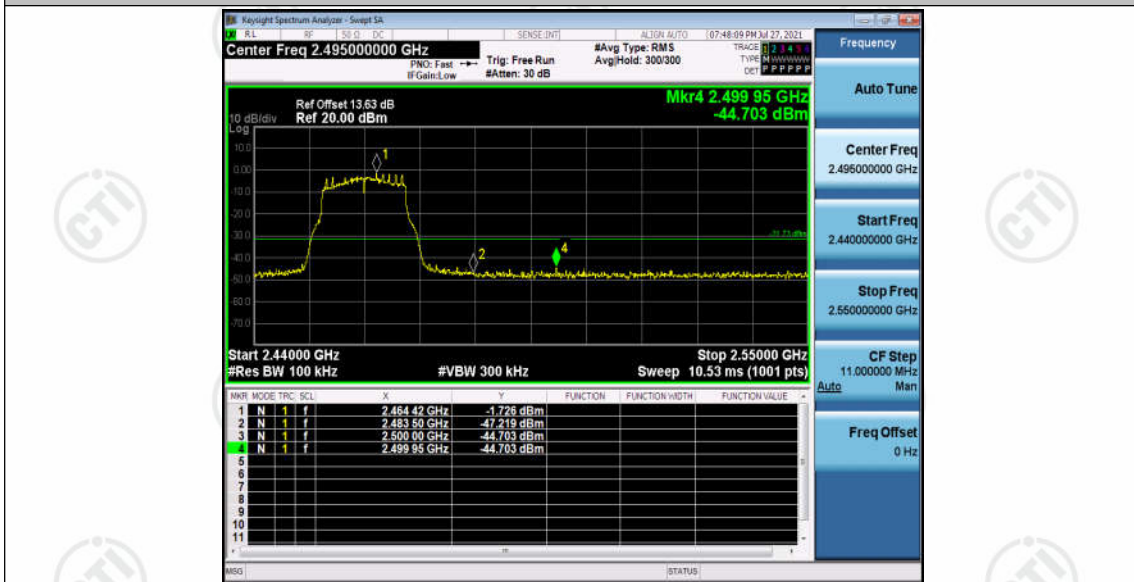
Test Mode	Antenna	Ch Name	Channel	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	0.70	-44.3	<=-29.3	PASS
		High	2462	0.89	-45.18	<=-29.11	PASS
11G	Ant1	Low	2412	-1.93	-38.84	<=-31.93	PASS
		High	2462	-1.73	-44.7	<=-31.73	PASS
11N20SISO	Ant1	Low	2412	-3.99	-44.31	<=-33.99	PASS
		High	2462	-3.72	-45.68	<=-33.72	PASS

Test Graphs





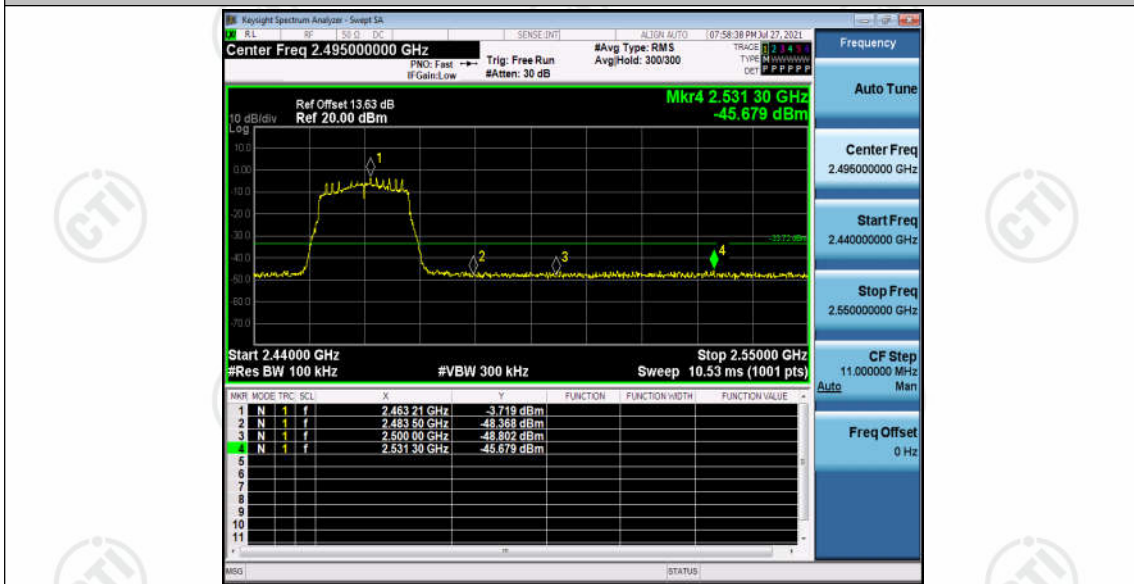
11G_Ant1_Low_2412



11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



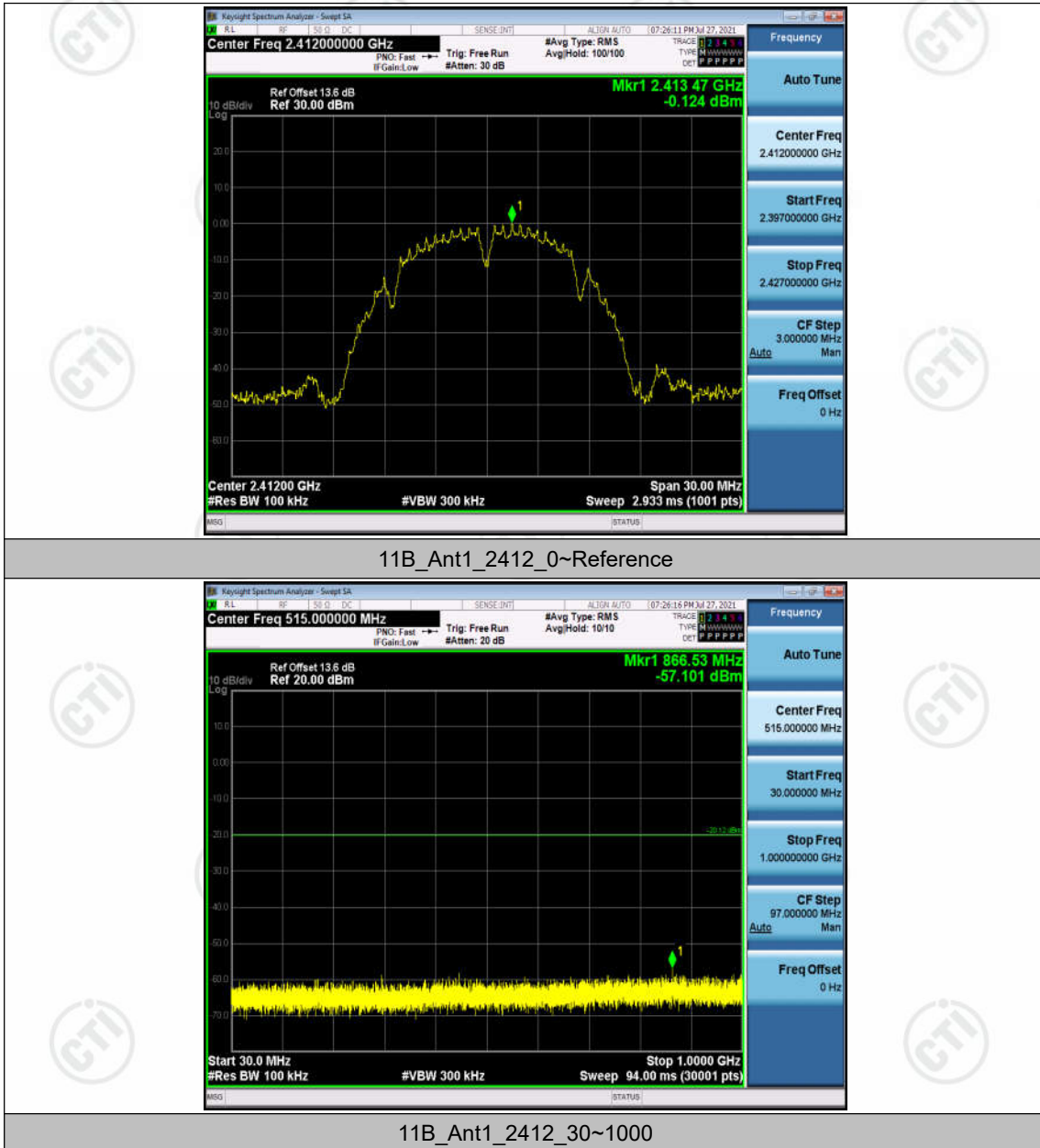
11N20SISO_Ant1_High_2462

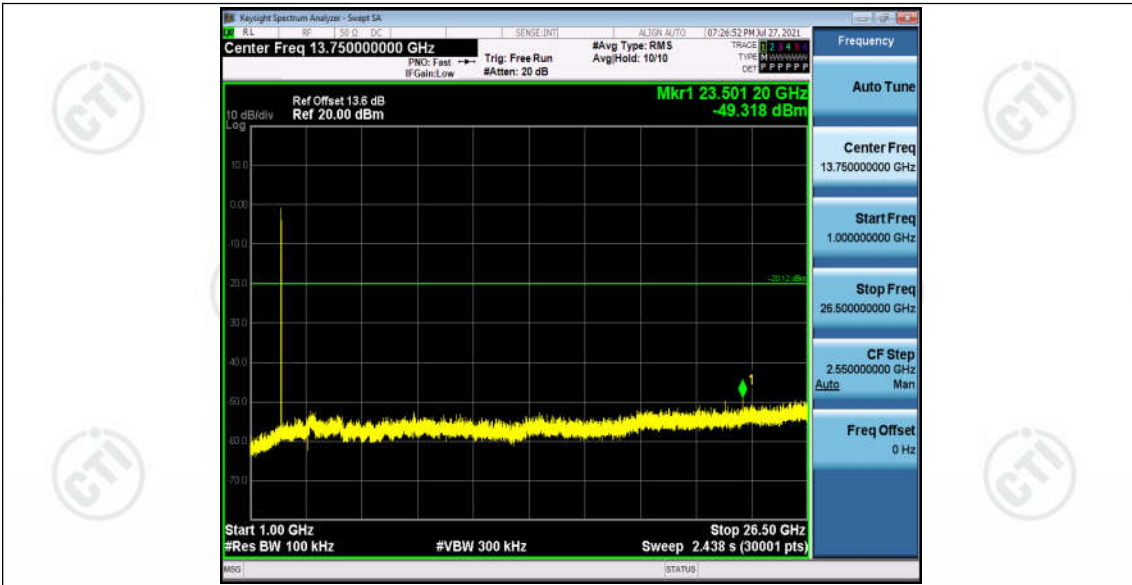
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-0.12	-0.12	---	PASS
			30~1000	30~1000	-57.101	<=-20.124	PASS
			1000~26500	1000~26500	-49.318	<=-20.124	PASS
		2437	Reference	0.98	0.98	---	PASS
			30~1000	30~1000	-57.148	<=-19.021	PASS
			1000~26500	1000~26500	-49.578	<=-19.021	PASS
		2462	Reference	1.09	1.09	---	PASS
			30~1000	30~1000	-56.361	<=-18.911	PASS
			1000~26500	1000~26500	-49.788	<=-18.911	PASS
11G	Ant1	2412	Reference	-3.09	-3.09	---	PASS
			30~1000	30~1000	-57.399	<=-23.091	PASS
			1000~26500	1000~26500	-49.986	<=-23.091	PASS
		2437	Reference	-1.51	-1.51	---	PASS
			30~1000	30~1000	-58.001	<=-21.507	PASS
			1000~26500	1000~26500	-49.517	<=-21.507	PASS
		2462	Reference	-2.46	-2.46	---	PASS
			30~1000	30~1000	-56.868	<=-22.462	PASS
			1000~26500	1000~26500	-49.183	<=-22.462	PASS
11N20SISO	Ant1	2412	Reference	-3.69	-3.69	---	PASS
			30~1000	30~1000	-57.566	<=-23.691	PASS
			1000~26500	1000~26500	-48.943	<=-23.691	PASS
		2437	Reference	-3.22	-3.22	---	PASS
			30~1000	30~1000	-57.576	<=-23.217	PASS
			1000~26500	1000~26500	-49.188	<=-23.217	PASS
		2462	Reference	-4.64	-4.64	---	PASS
			30~1000	30~1000	-56.508	<=-24.645	PASS
			1000~26500	1000~26500	-49.095	<=-24.645	PASS

Test Graphs

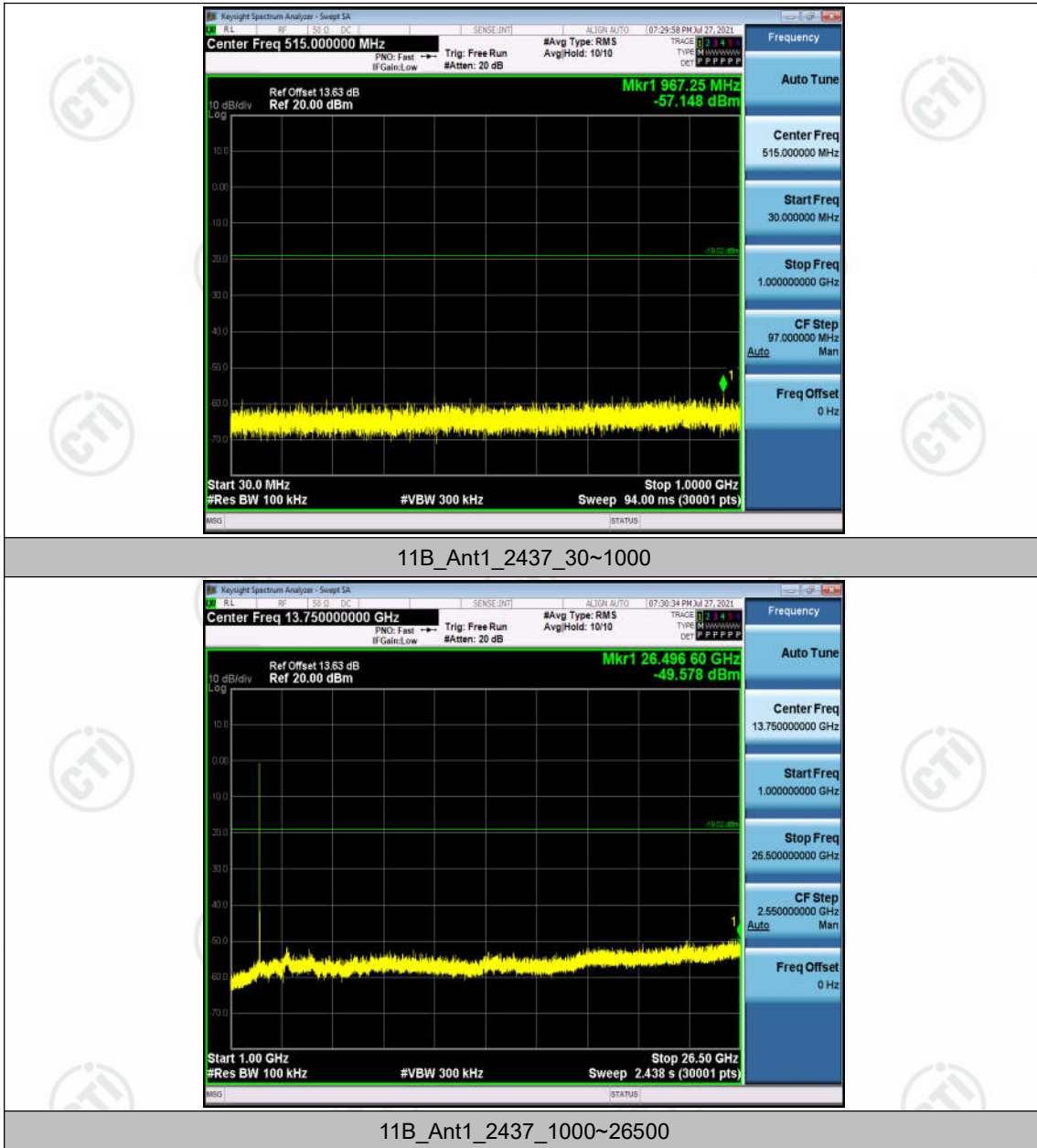




11B_Ant1_2412_1000~26500

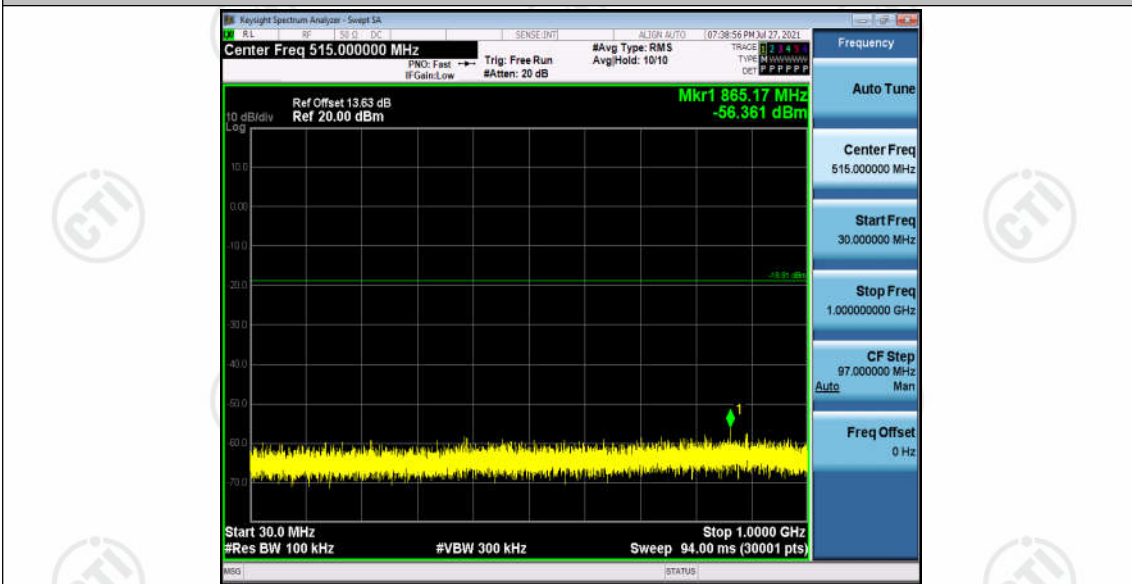


11B_Ant1_2437_0~Reference

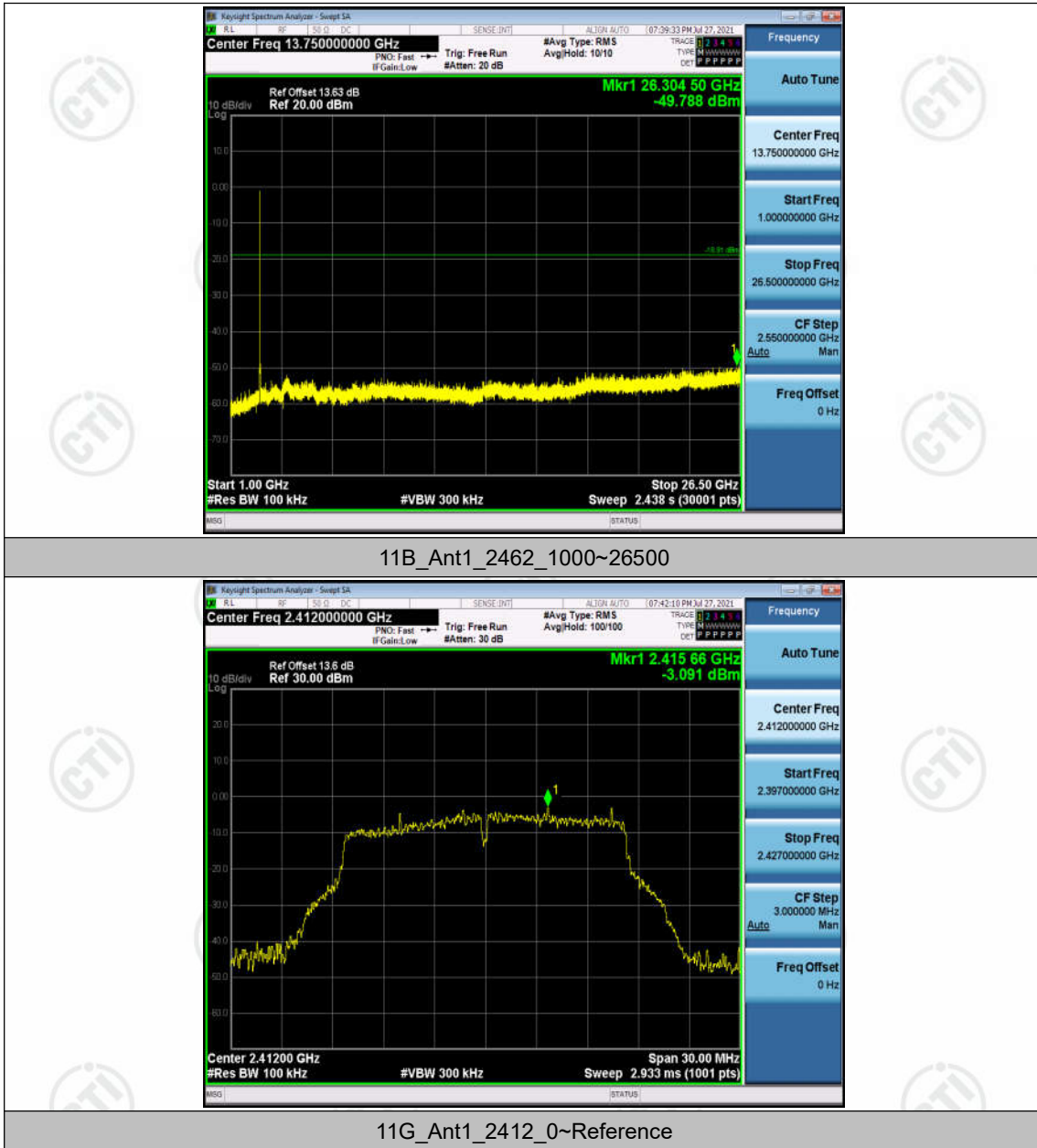


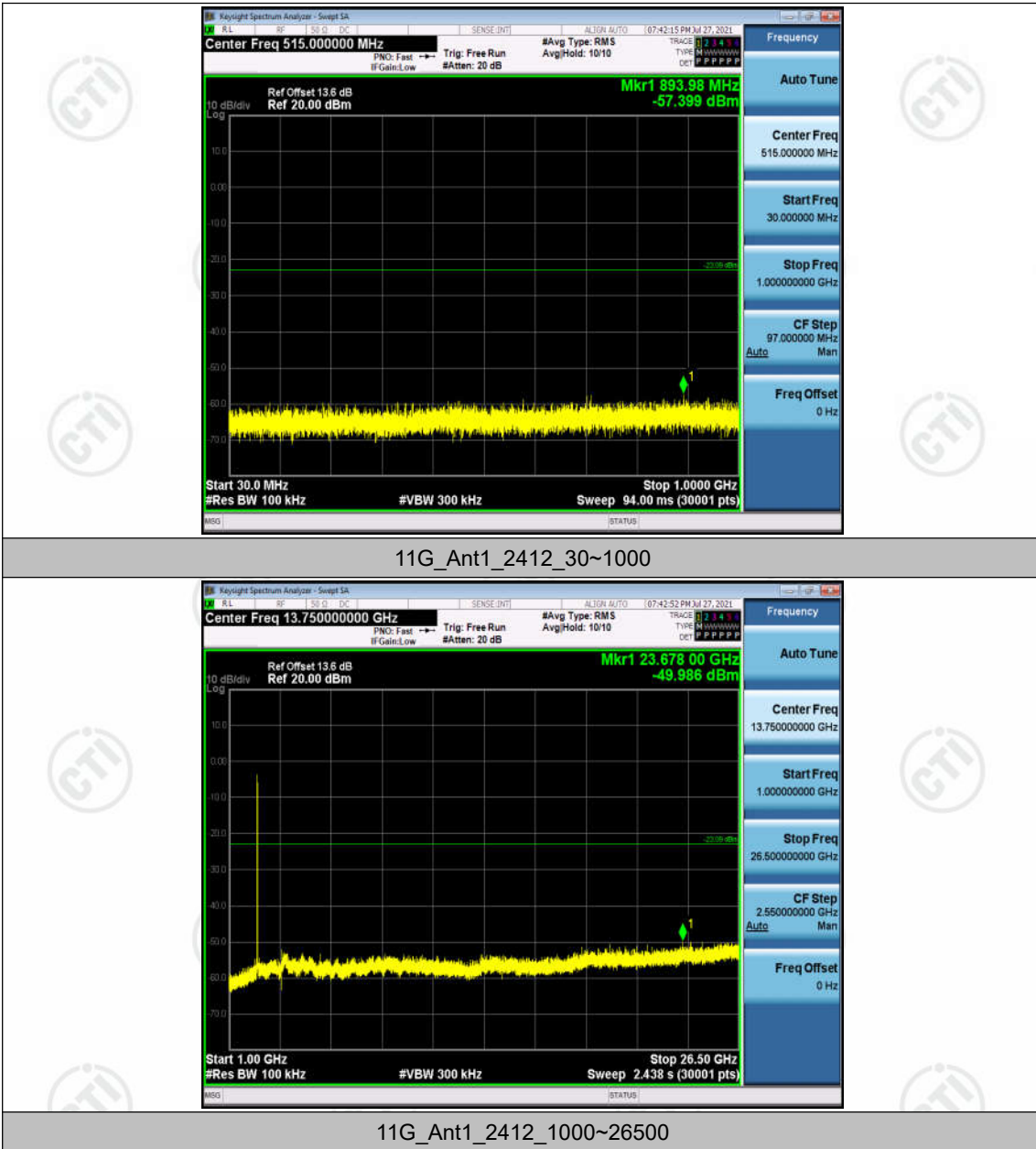


11B_Ant1_2462_0~Reference



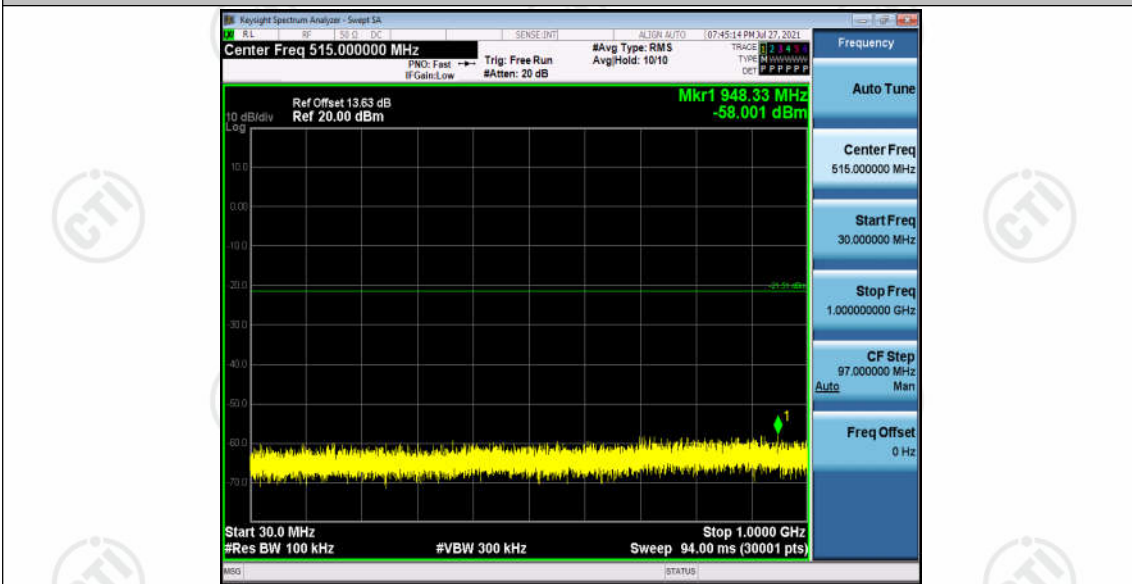
11B_Ant1_2462_30~1000







11G_Ant1_2437_0~Reference



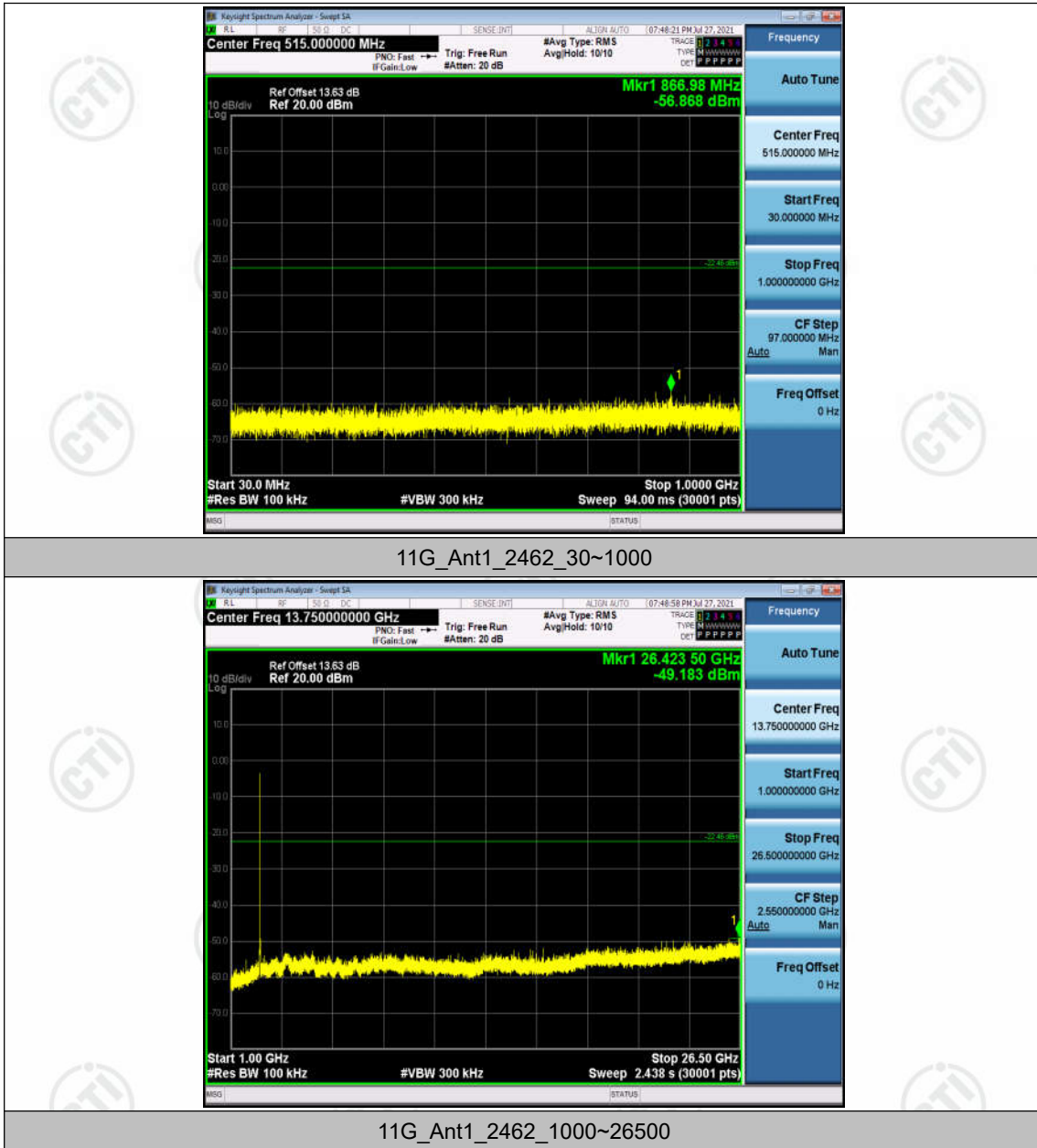
11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

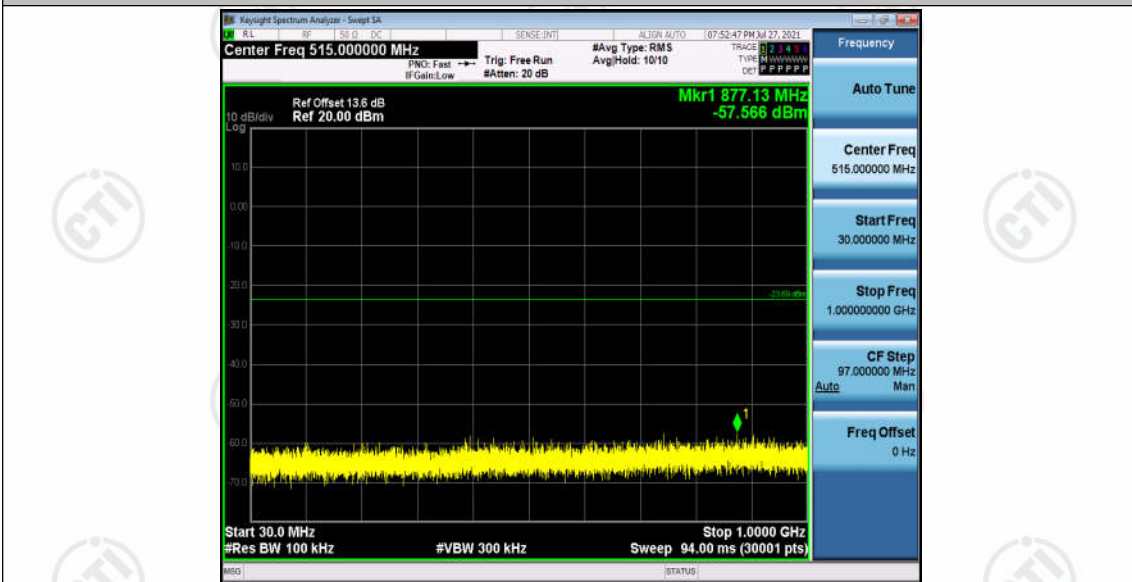


11G_Ant1_2462_0~Reference





11N20SISO_Ant1_2412_0~Reference



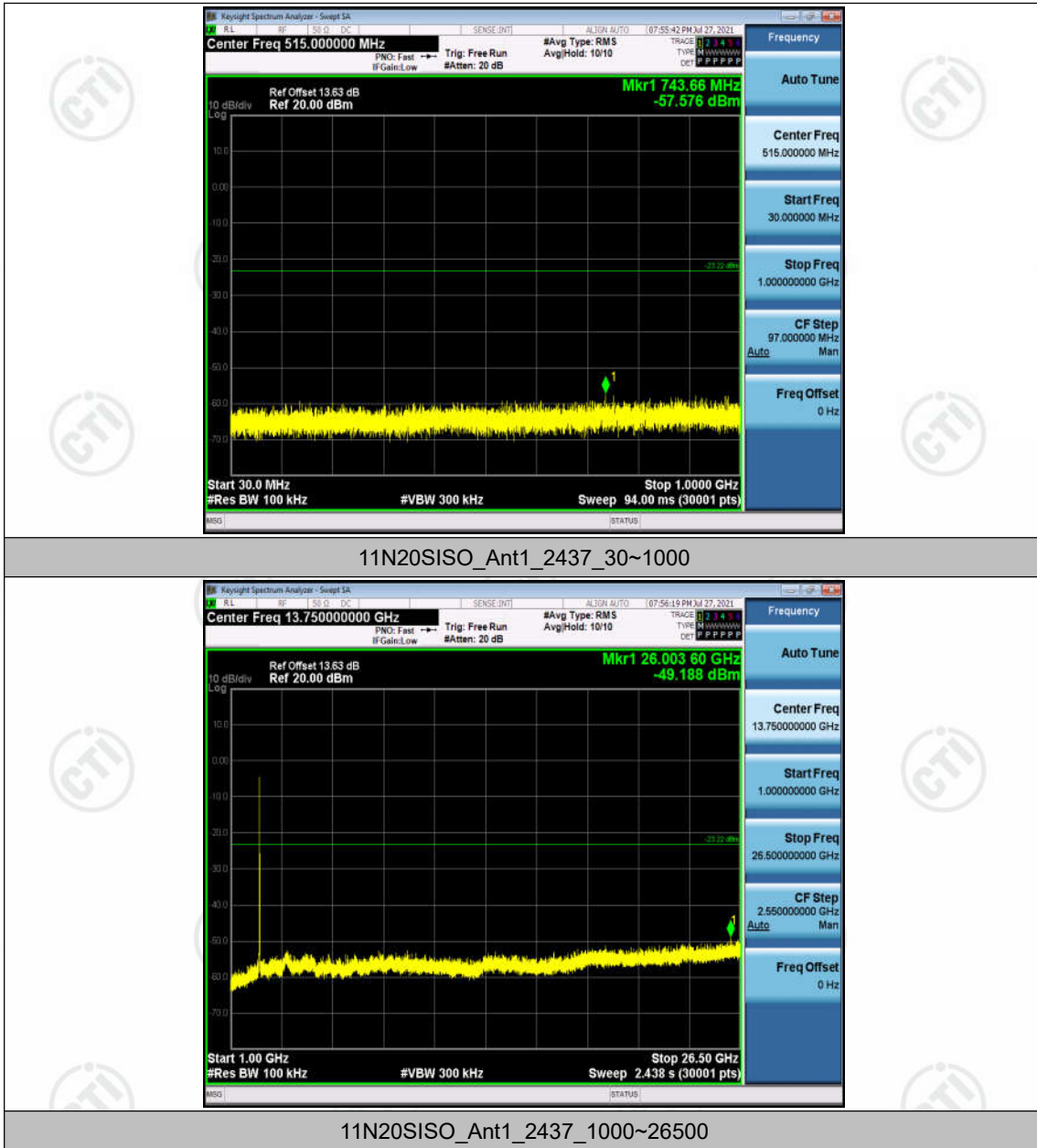
11N20SISO_Ant1_2412_30~1000



11N20SISO_Ant1_2412_1000~26500

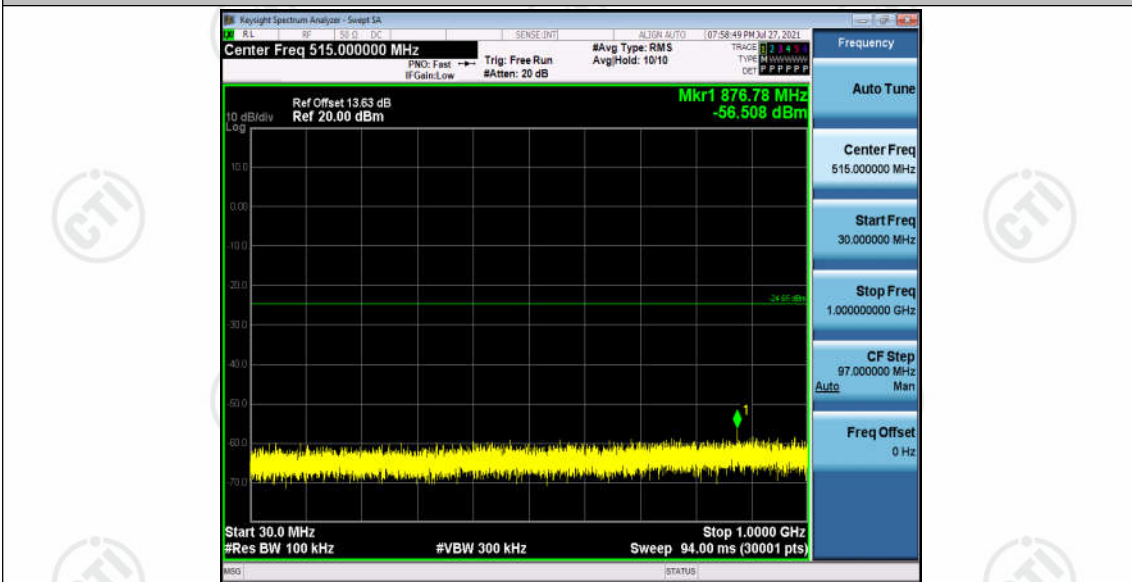


11N20SISO_Ant1_2437_0~Reference

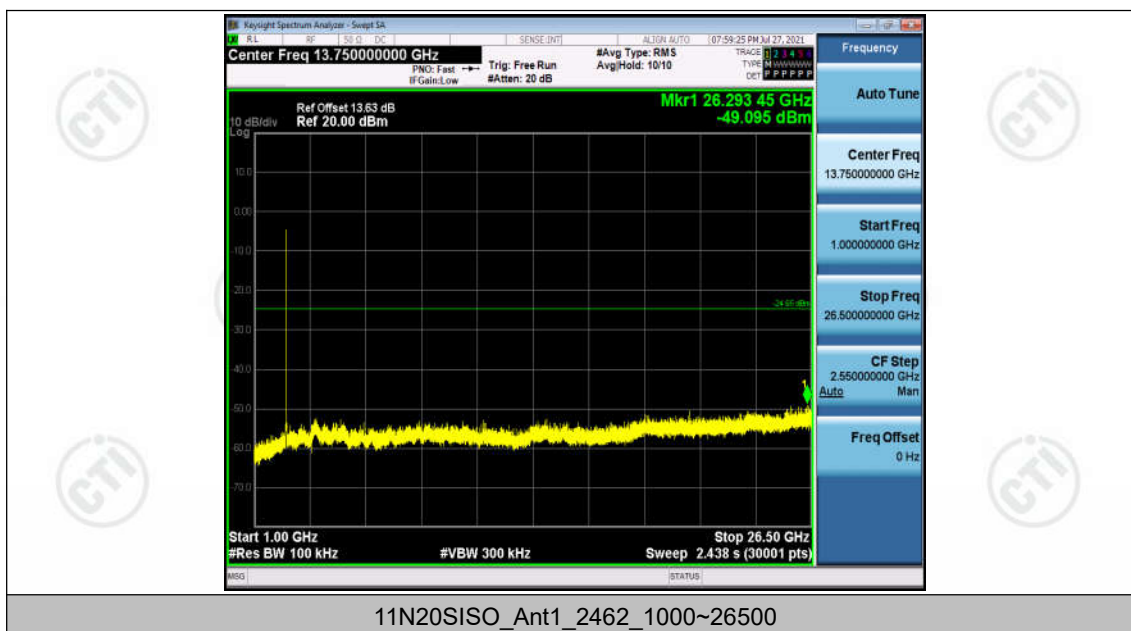




11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000

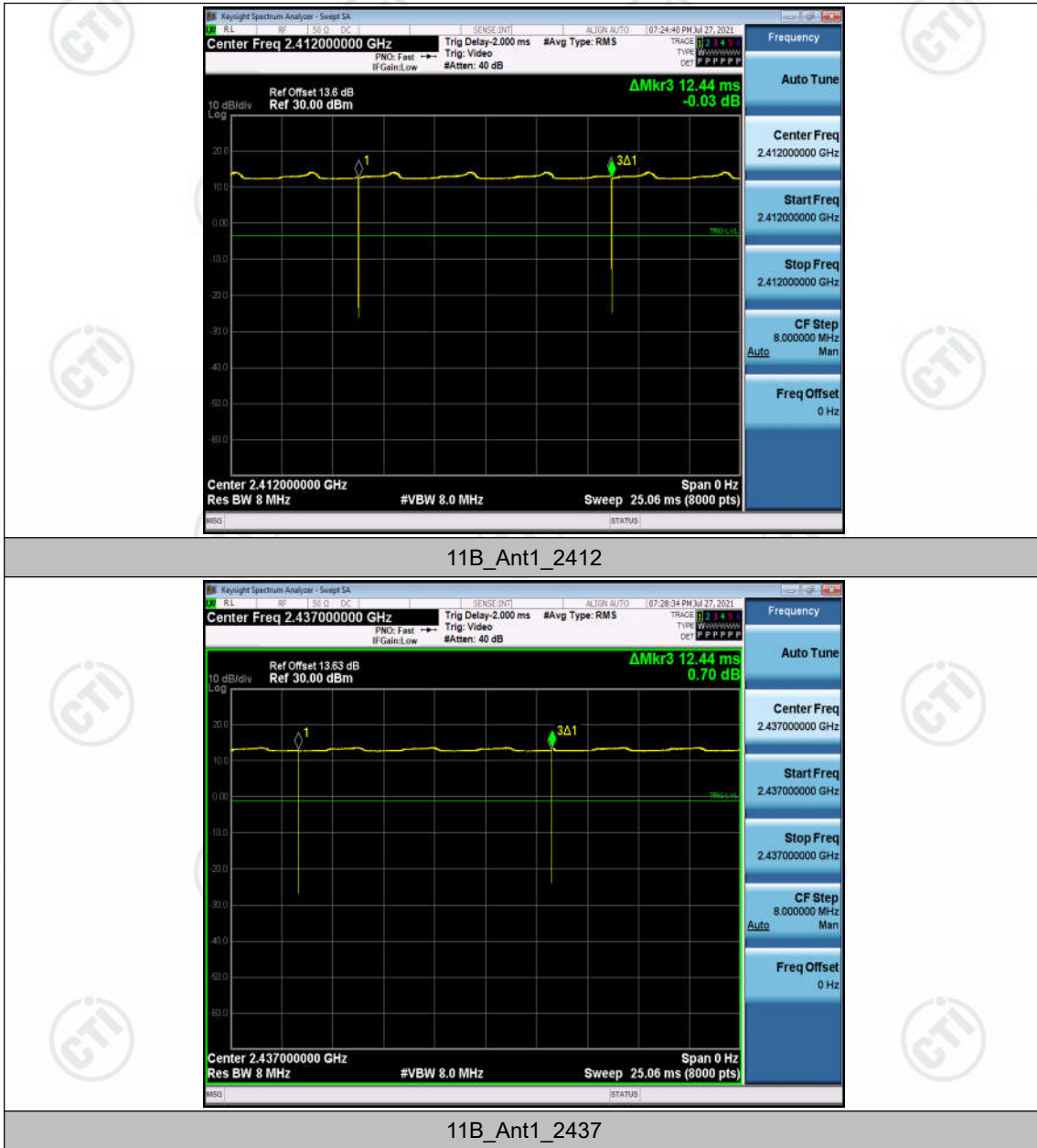


Appendix G: Duty Cycle

Test Result

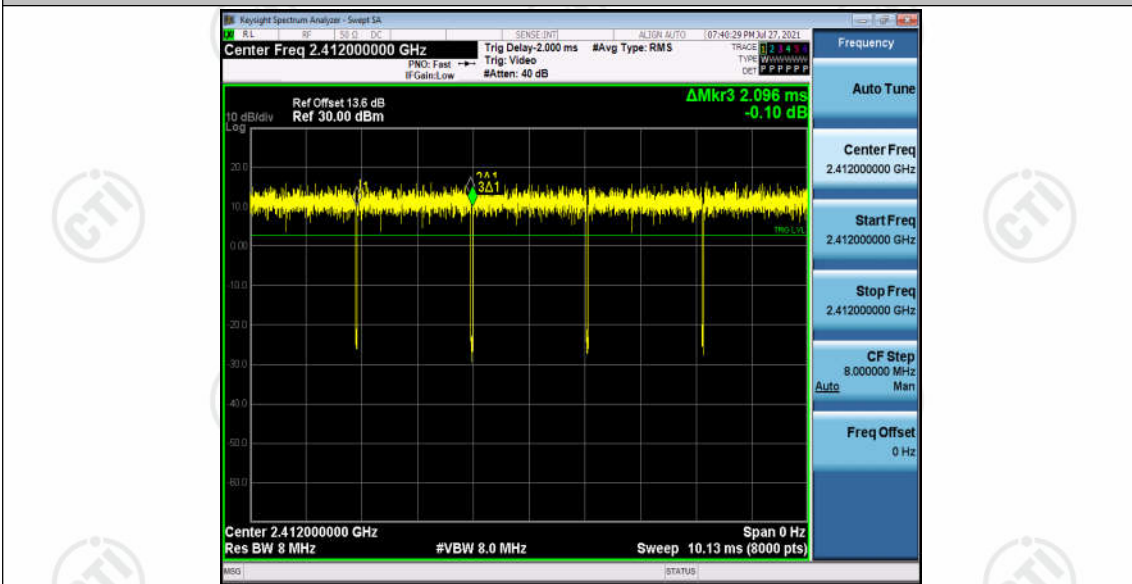
Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	12.41	12.44	99.72	---	PASS
		2437	12.41	12.44	99.75	---	PASS
		2462	12.41	12.44	99.76	---	PASS
11G	Ant1	2412	2.06	2.10	98.31	---	PASS
		2437	2.06	2.10	98.31	---	PASS
		2462	2.06	2.10	98.31	---	PASS
11N20SISO	Ant1	2412	1.30	1.41	92.46	---	PASS
		2437	1.31	1.41	92.55	---	PASS
		2462	1.30	1.41	92.46	---	PASS

Test Graphs

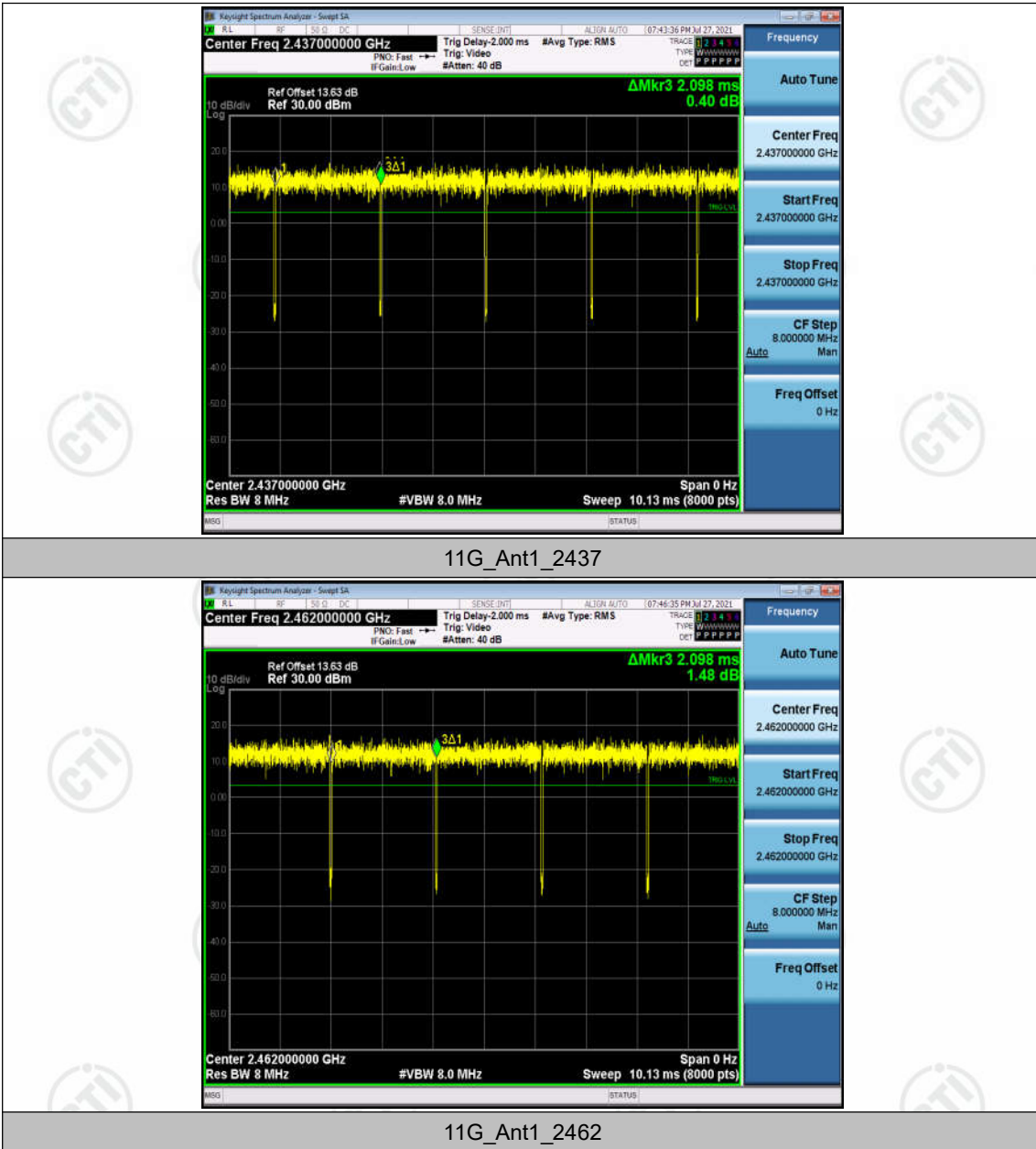


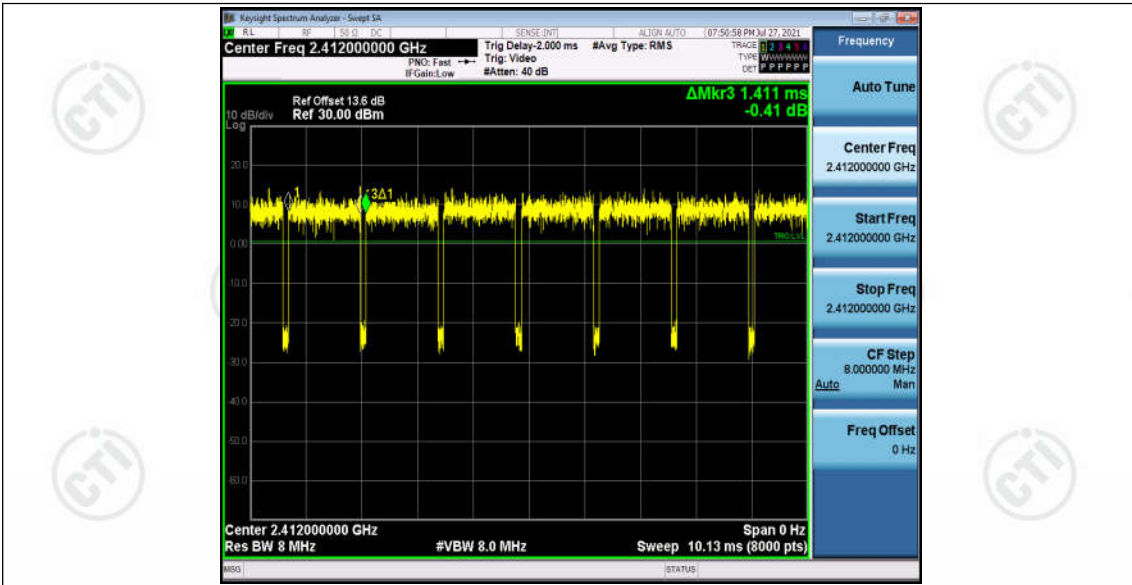


11B_Ant1_2462

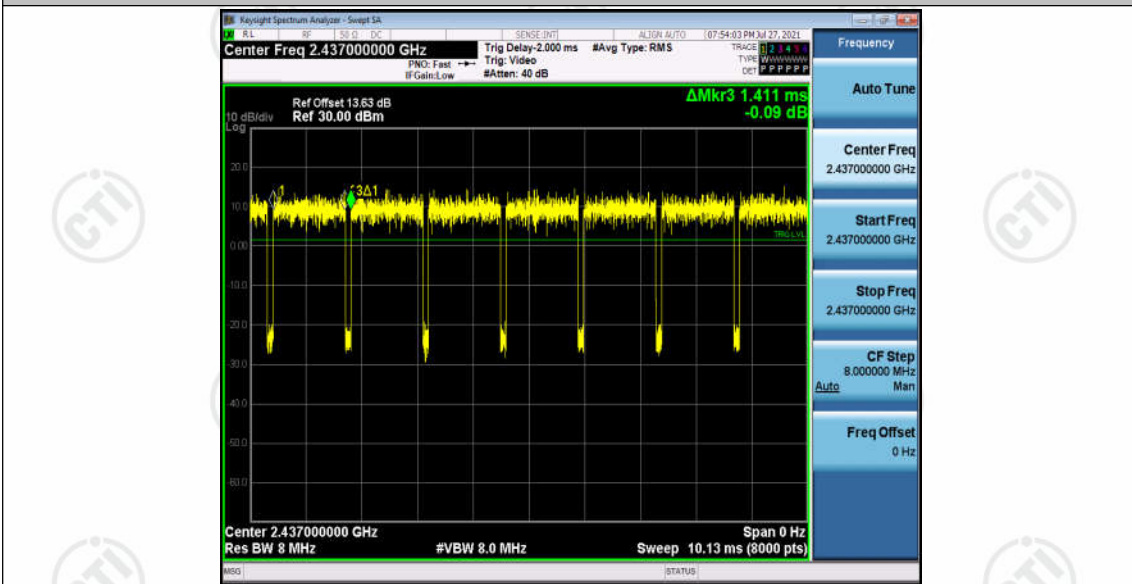


11G_Ant1_2412

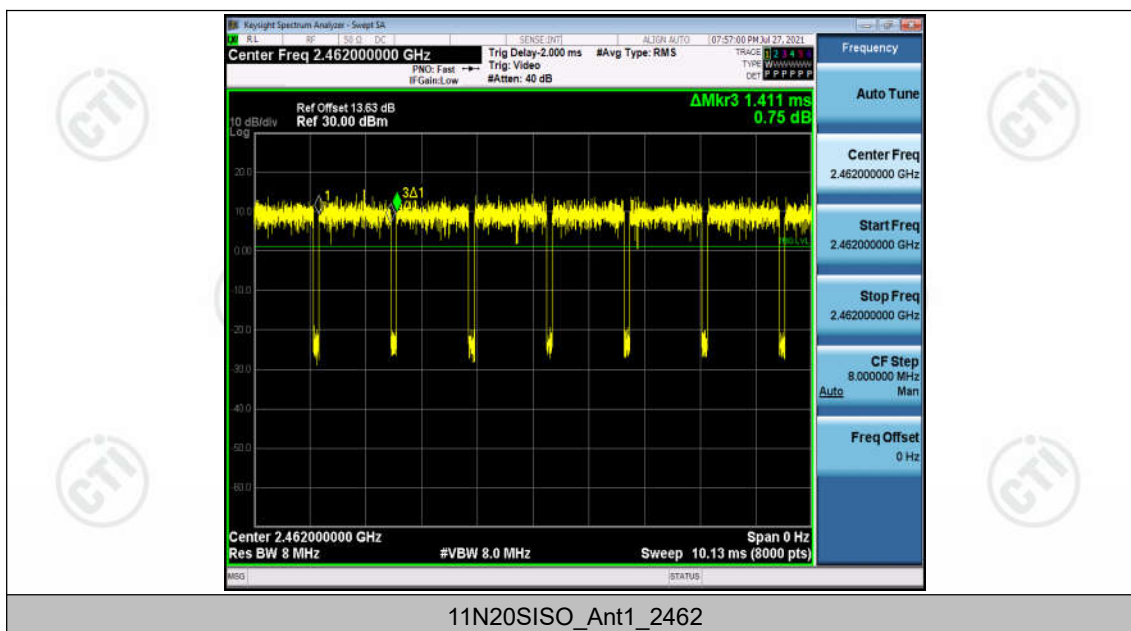




11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

*** End of Report ***