

Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result [dBm/10kHz]	Correction Factor	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-15.46	-5.23	-20.69	<=8	PASS
		2437	-16.1	-5.23	-23.33	<=8	PASS
		2462	-17.29	-5.23	-22.52	<=8	PASS
11G	Ant1	2412	-20.33	-5.23	-25.56	<=8	PASS
		2437	-17.19	-5.23	-22.42	<=8	PASS
		2462	-18.72	-5.23	-23.95	<=8	PASS
11N20SISO	Ant1	2412	-18.9	-5.23	-24.13	<=8	PASS
		2437	-17.8	-5.23	-23.03	<=8	PASS
		2462	-19.55	-5.23	-24.78	<=8	PASS

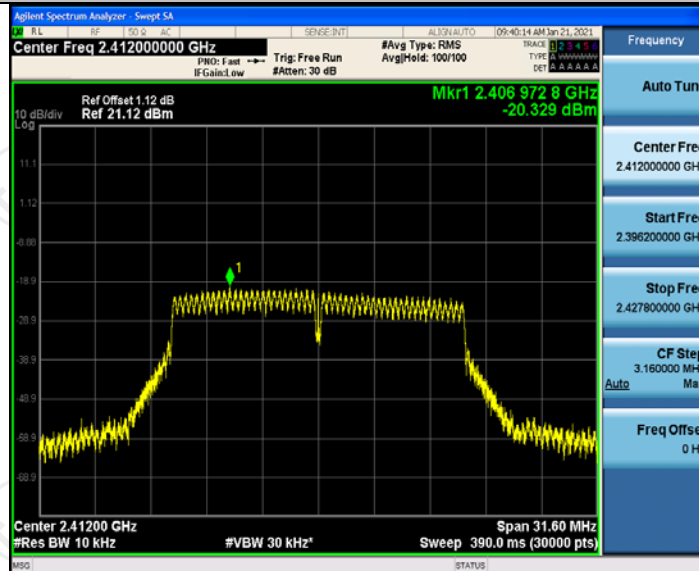
Note: Correction Factor = 10log(3kHz/RBW in measurement)

Test Graphs

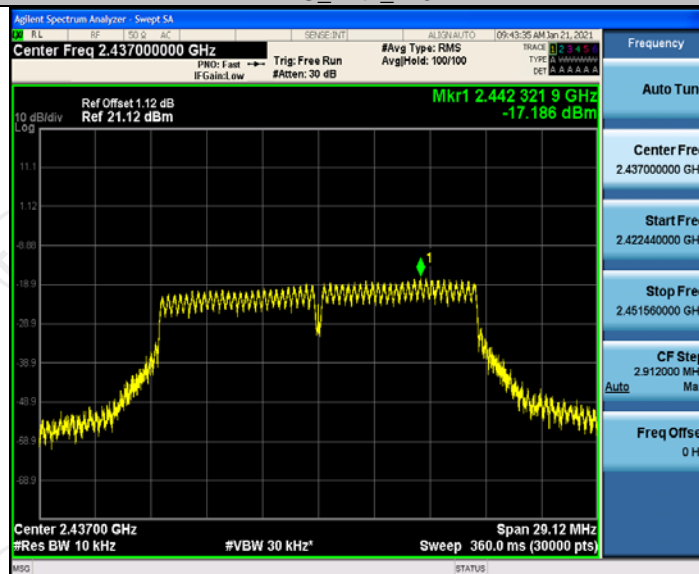




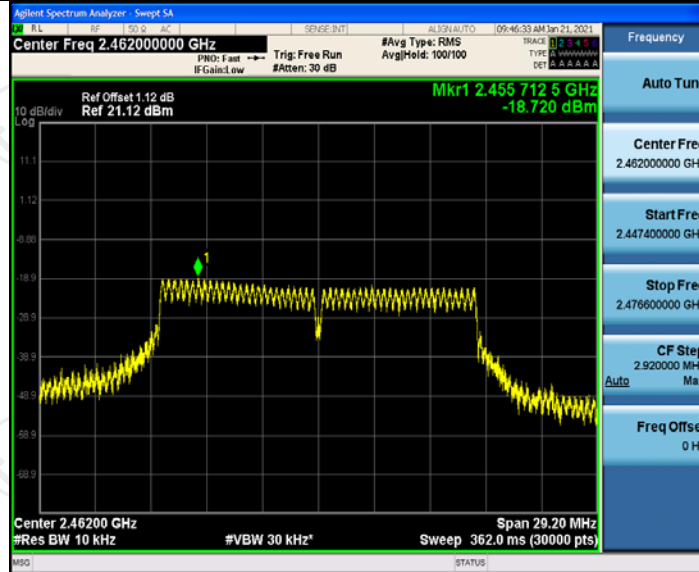
11G_Ant1_2412



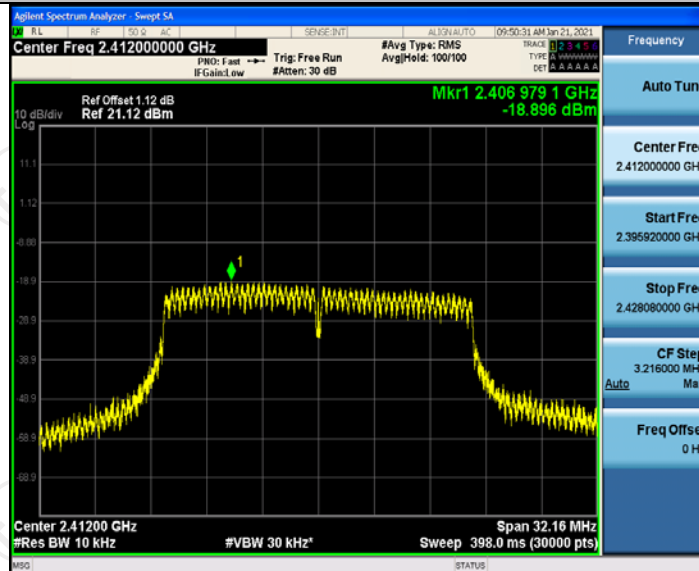
11G_Ant1_2437



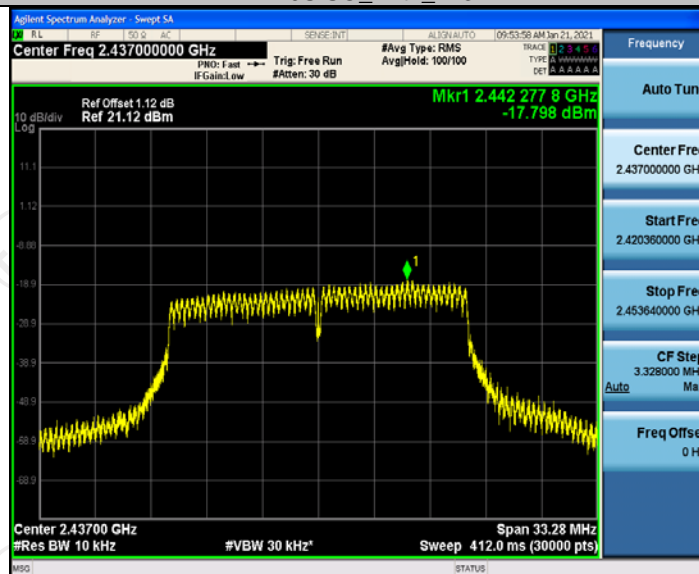
11G_Ant1_2462



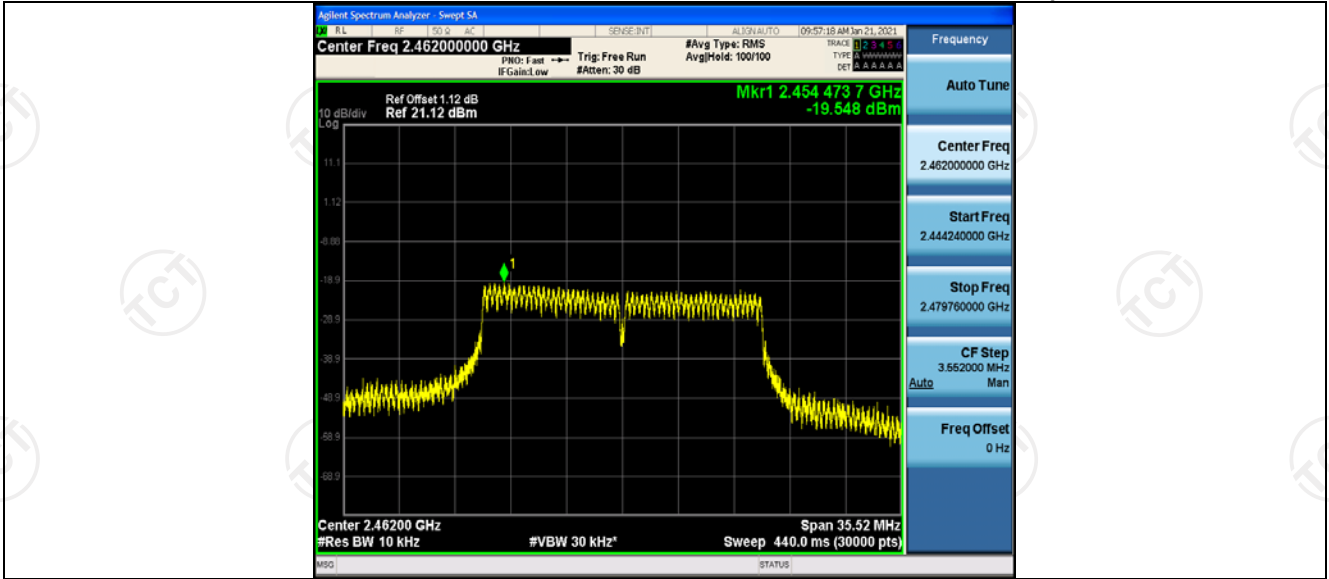
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

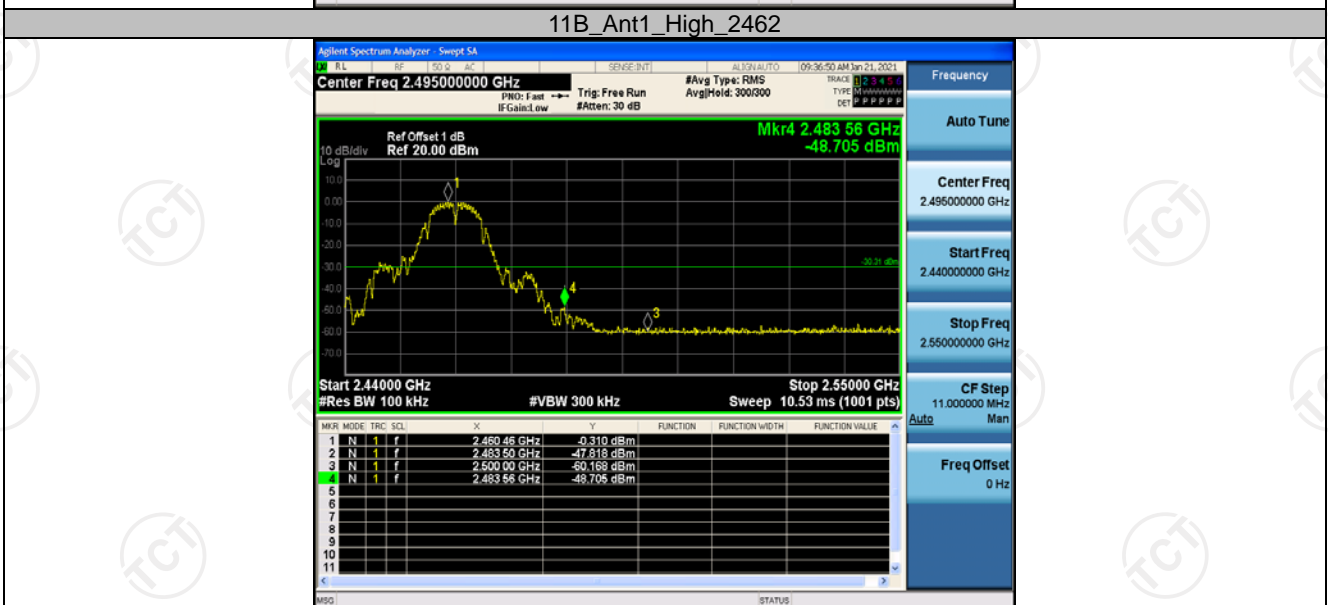
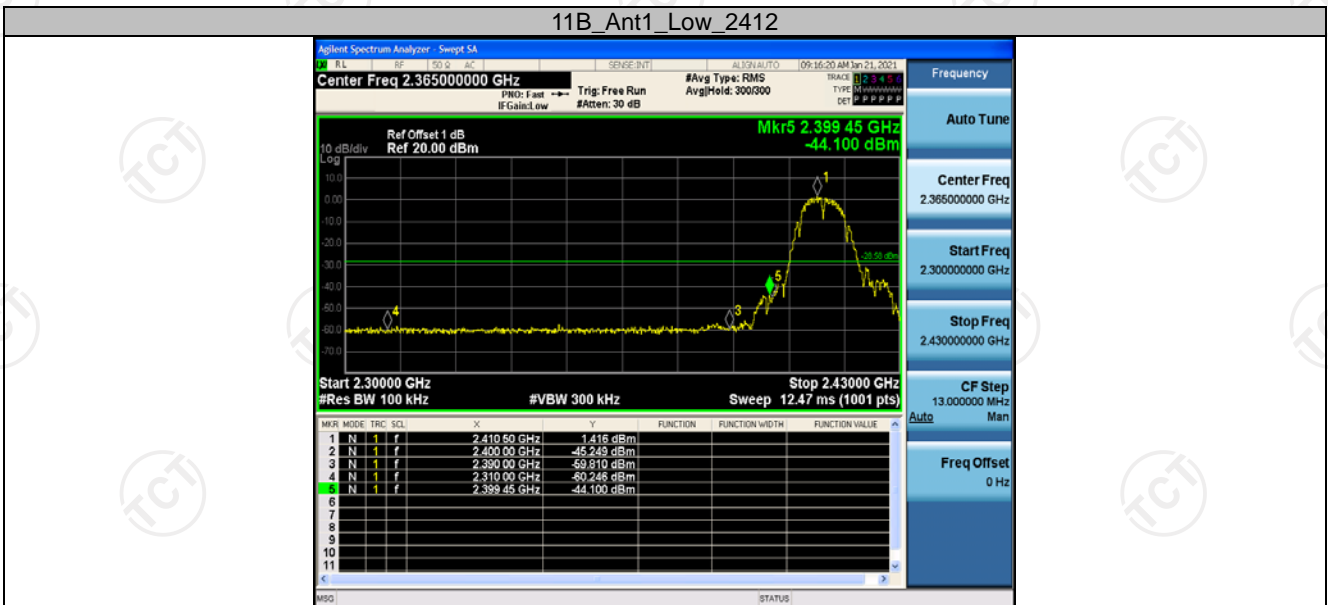


Band edge measurements

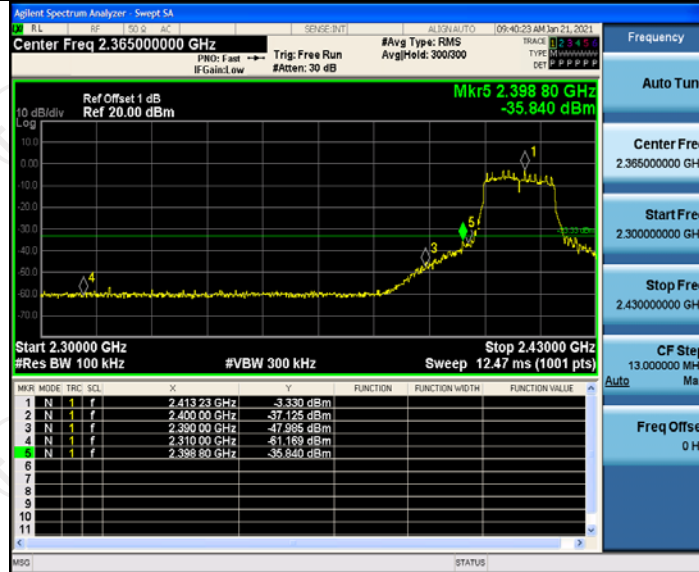
Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.42	-44.1	<=-28.58	PASS
		High	2462	-0.31	-48.71	<=-30.31	PASS
11G	Ant1	Low	2412	-3.33	-35.84	<=-33.33	PASS
		High	2462	-0.72	-42.35	<=-30.72	PASS
11N20SISO	Ant1	Low	2412	-1.23	-31.84	<=-31.23	PASS
		High	2462	-1.30	-43.41	<=-31.3	PASS

Test Graphs



11G_Ant1_Low_2412



11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462

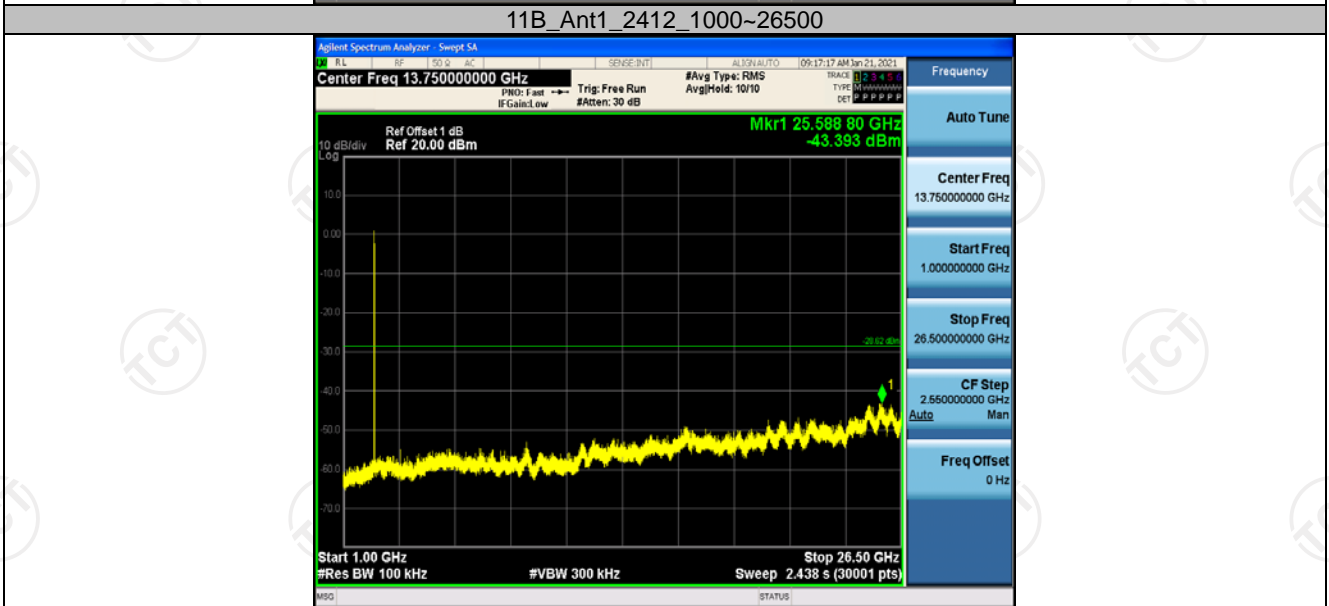
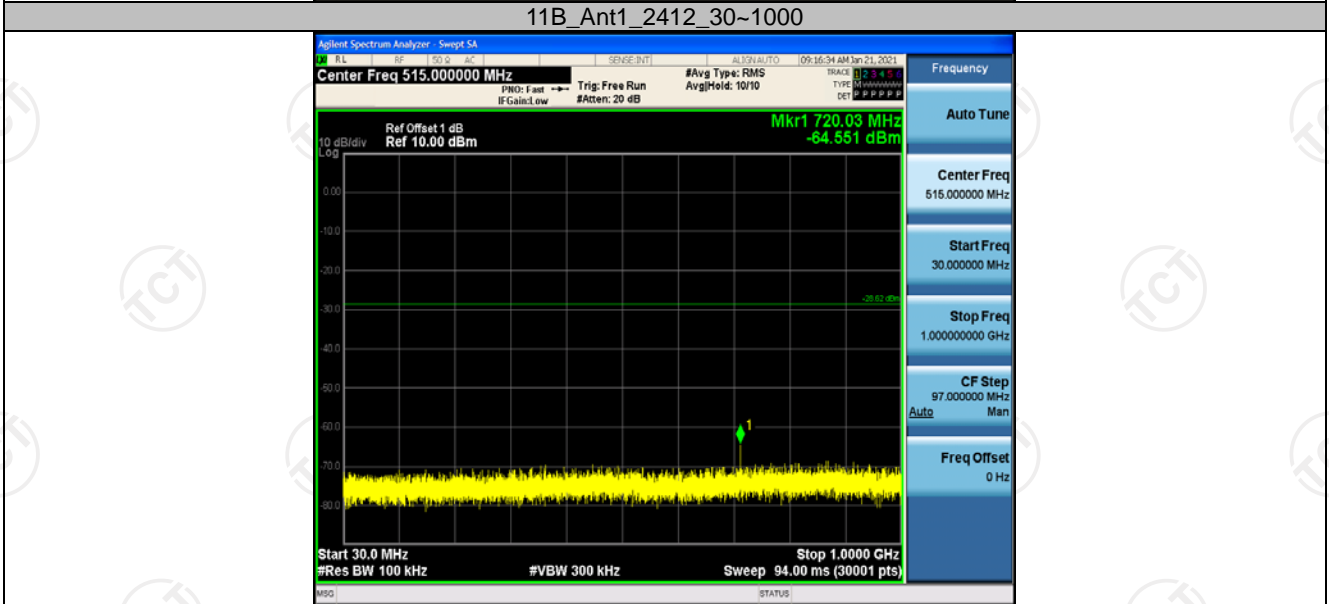
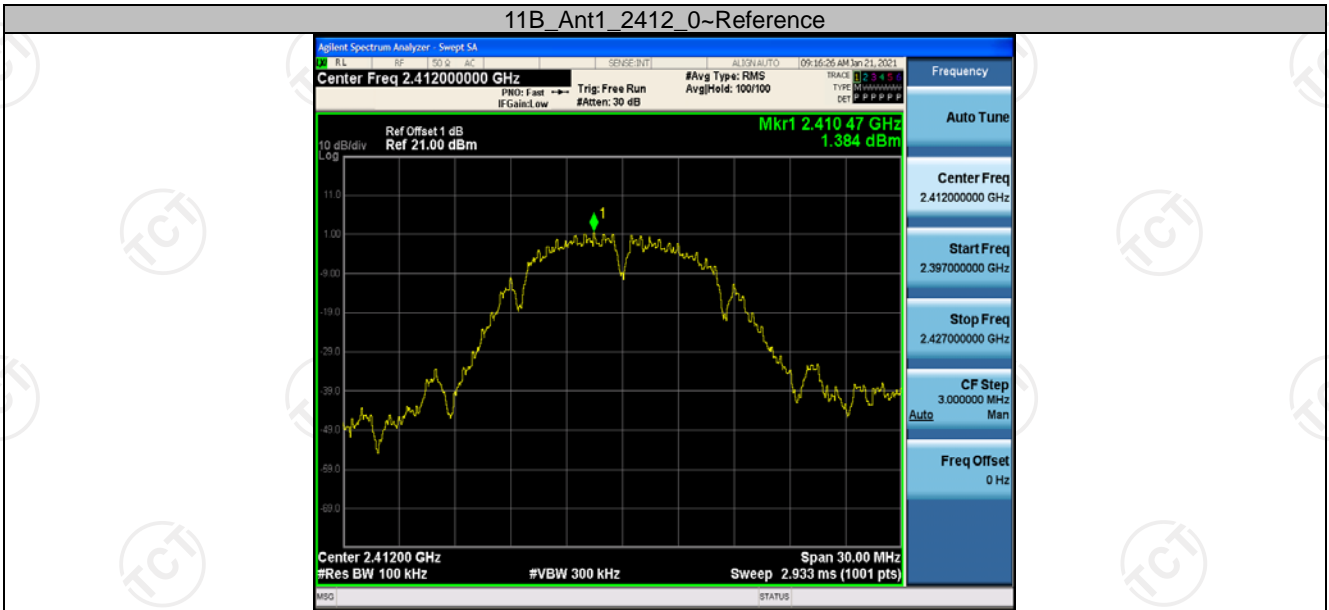


Conducted Spurious Emission

Test Result

Test Mode	Antenna	Channel	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.38	1.38	---	PASS
			30~1000	30~1000	-64.551	<=-28.616	PASS
			1000~26500	1000~26500	-43.393	<=-28.616	PASS
		2437	Reference	0.79	0.79	---	PASS
			30~1000	30~1000	-38.157	<=-29.208	PASS
			1000~26500	1000~26500	-43.07	<=-29.208	PASS
		2462	Reference	-0.36	-0.36	---	PASS
			30~1000	30~1000	-64.946	<=-30.357	PASS
			1000~26500	1000~26500	-42.331	<=-30.357	PASS
11G	Ant1	2412	Reference	-3.13	-3.13	---	PASS
			30~1000	30~1000	-64.792	<=-33.126	PASS
			1000~26500	1000~26500	-43.049	<=-33.126	PASS
		2437	Reference	0.00	0.00	---	PASS
			30~1000	30~1000	-36.412	<=-29.996	PASS
			1000~26500	1000~26500	-42.855	<=-29.996	PASS
		2462	Reference	-1.60	-1.60	---	PASS
			30~1000	30~1000	-65.365	<=-31.602	PASS
			1000~26500	1000~26500	-42.889	<=-31.602	PASS
11N20SISO	Ant1	2412	Reference	-1.61	-1.61	---	PASS
			30~1000	30~1000	-62.925	<=-31.608	PASS
			1000~26500	1000~26500	-42.217	<=-31.608	PASS
		2437	Reference	-1.04	-1.04	---	PASS
			30~1000	30~1000	-64.794	<=-31.037	PASS
			1000~26500	1000~26500	-42.343	<=-31.037	PASS
		2462	Reference	-1.36	-1.36	---	PASS
			30~1000	30~1000	-64.776	<=-31.363	PASS
			1000~26500	1000~26500	-42.971	<=-31.363	PASS

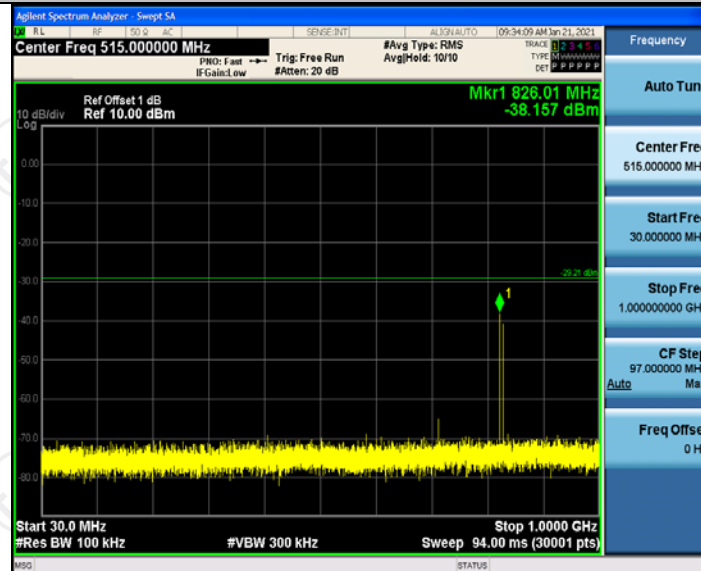
Test Graphs



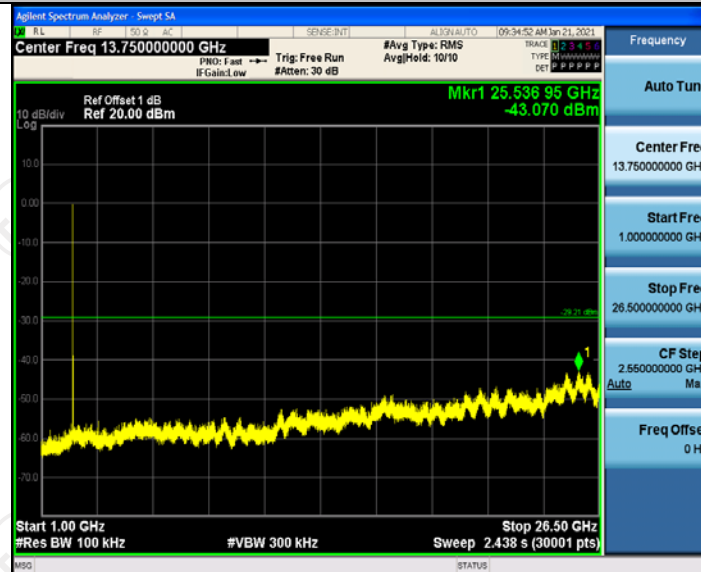
11B_Ant1_2437_0-Reference



11B_Ant1_2437_30~1000



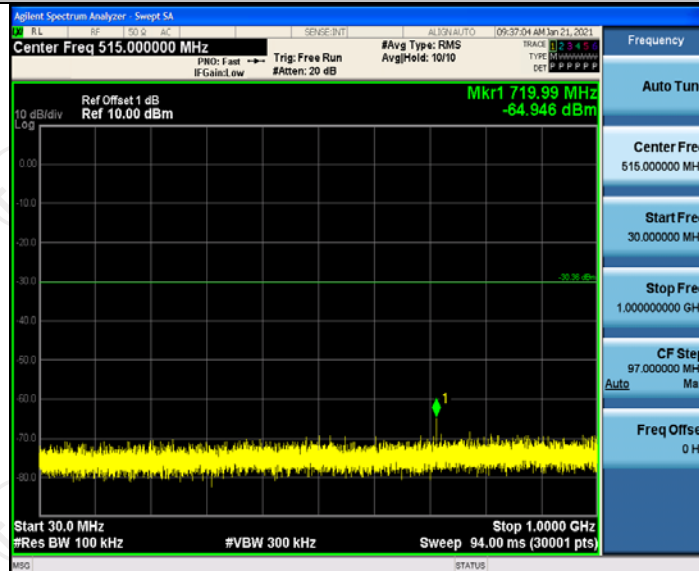
11B_Ant1_2437_1000~26500



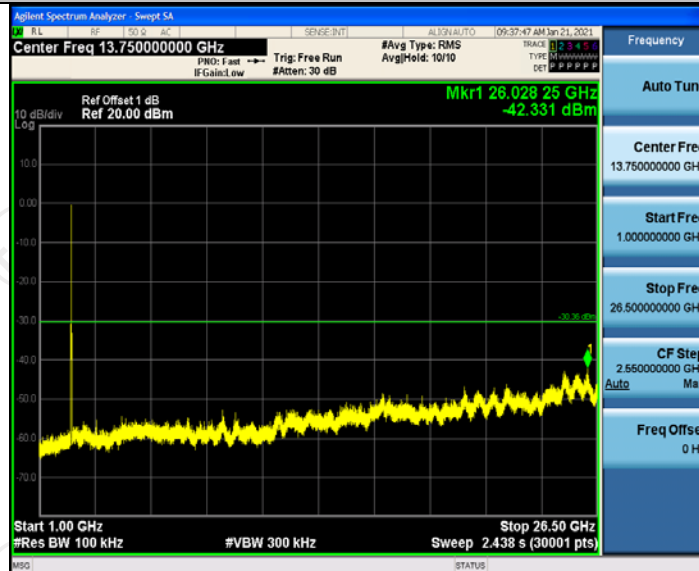
11B_Ant1_2462_0-Reference



11B_Ant1_2462_30~1000



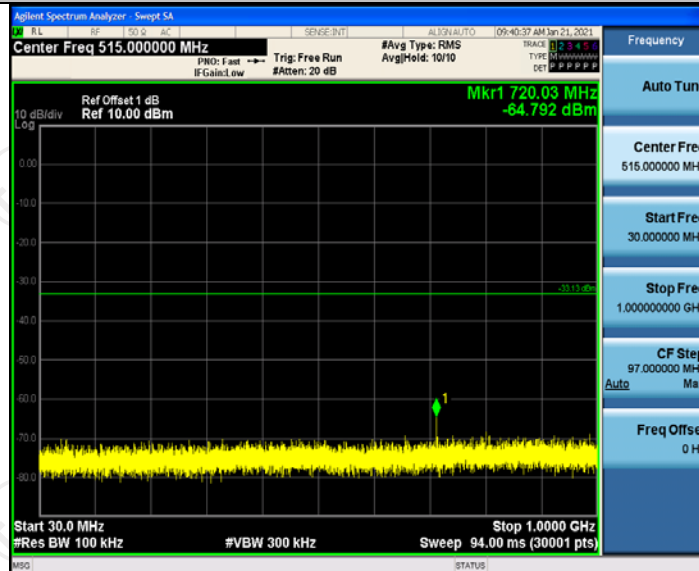
11B_Ant1_2462_1000~26500



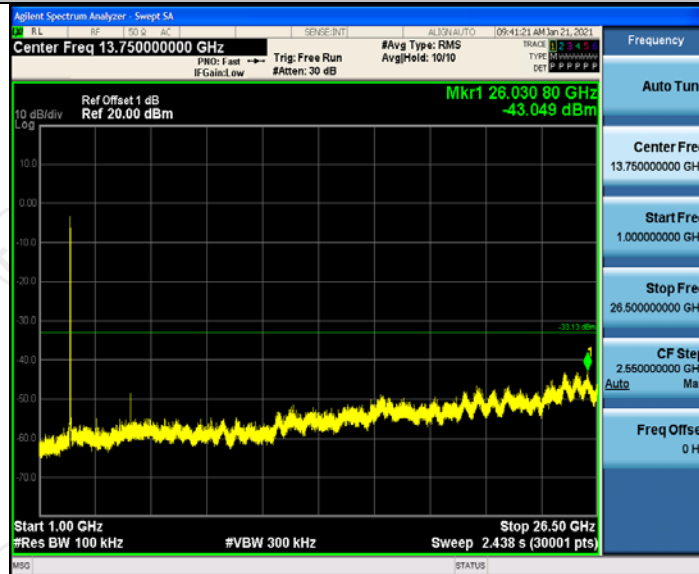
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



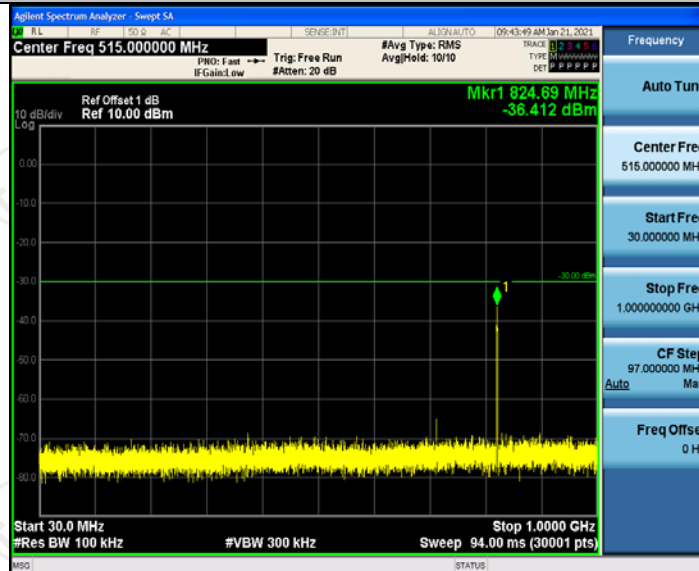
11G_Ant1_2412_1000~26500



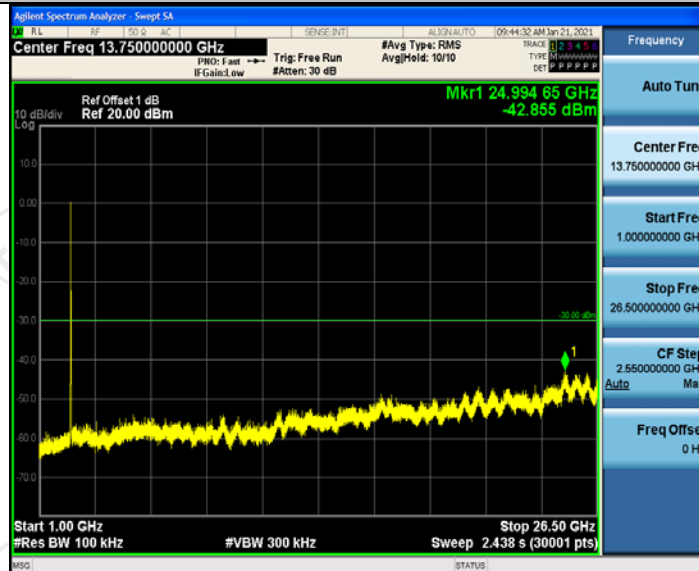
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



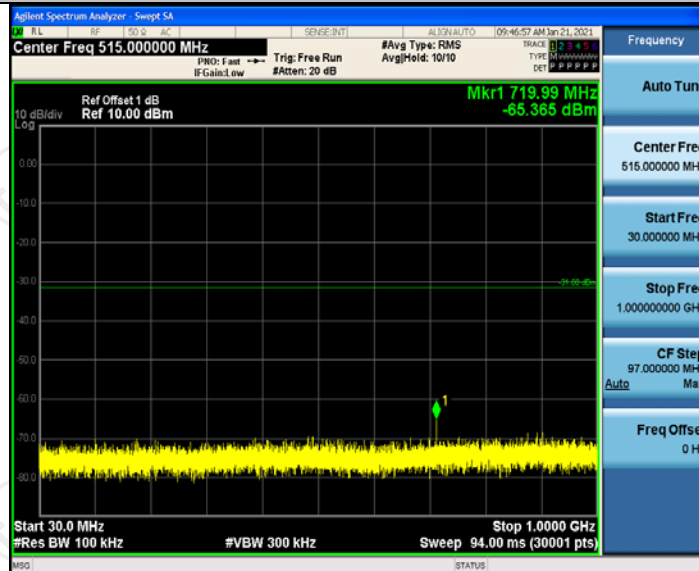
11G_Ant1_2437_1000~26500



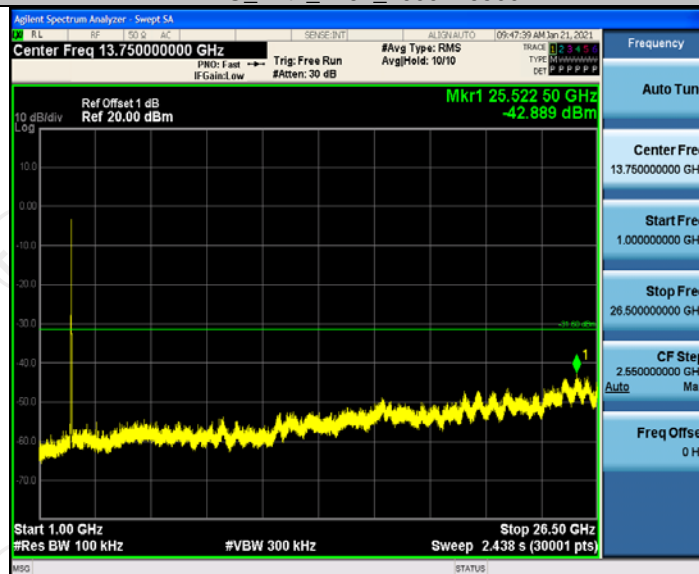
11G_Ant1_2462_0~Reference



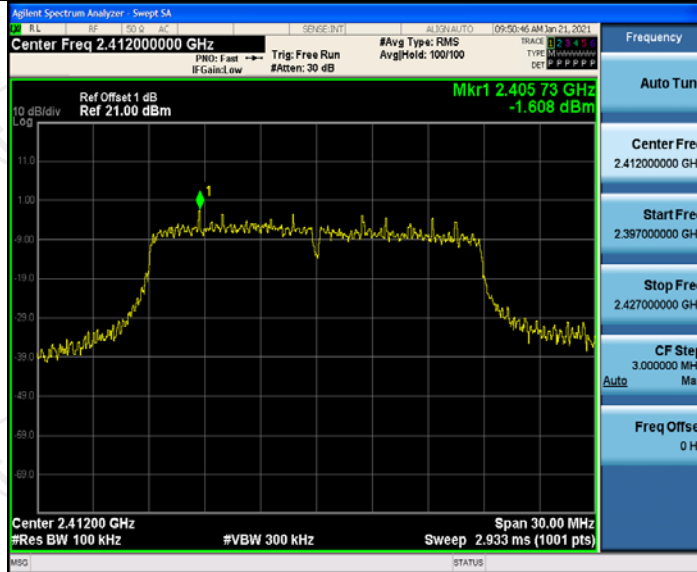
11G_Ant1_2462_30~1000



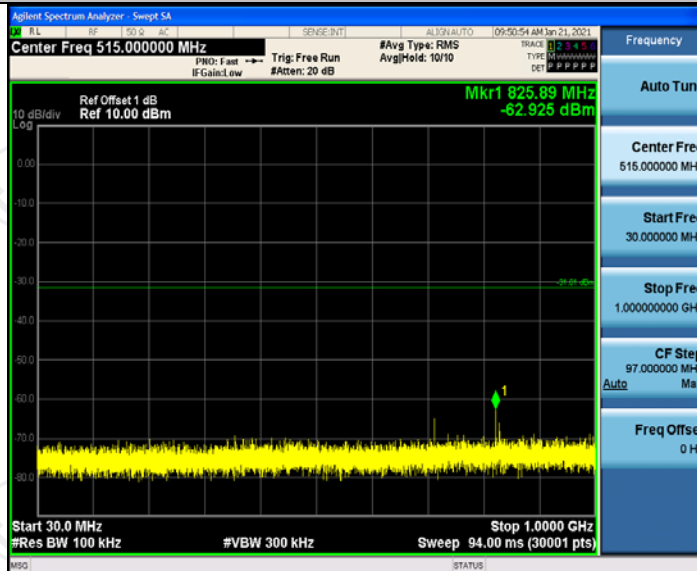
11G_Ant1_2462_1000~26500



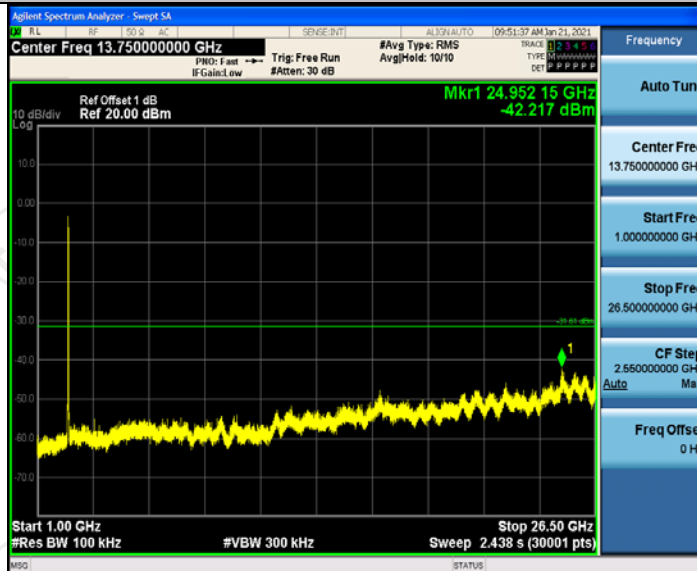
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



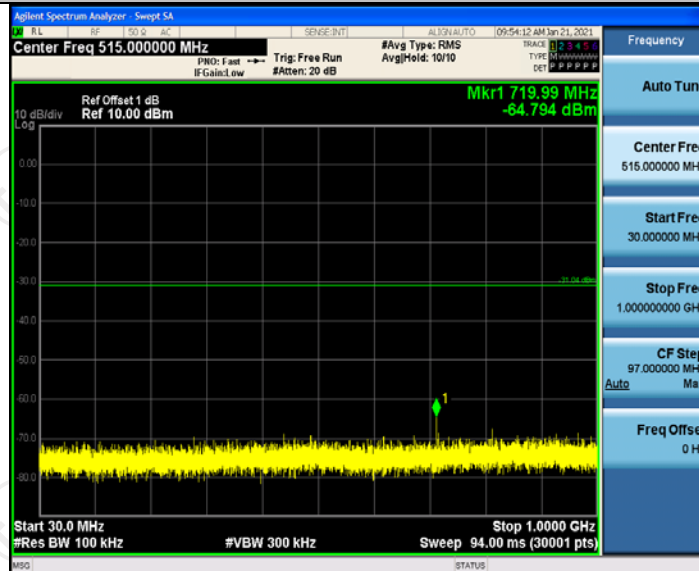
11N20SISO_Ant1_2412_1000~26500



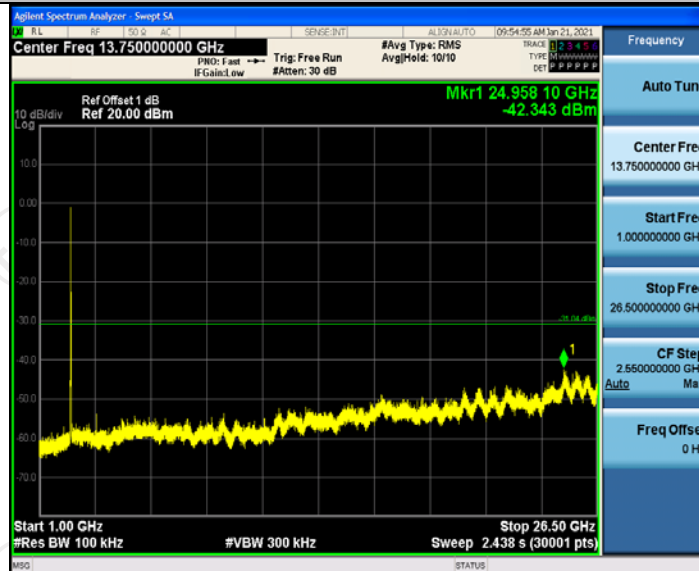
11N20SISO_Ant1_2437_0~Reference



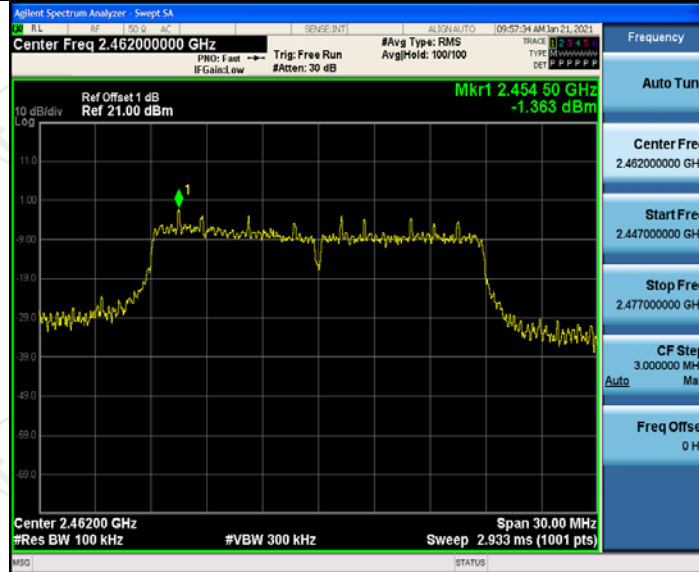
11N20SISO_Ant1_2437_30~1000



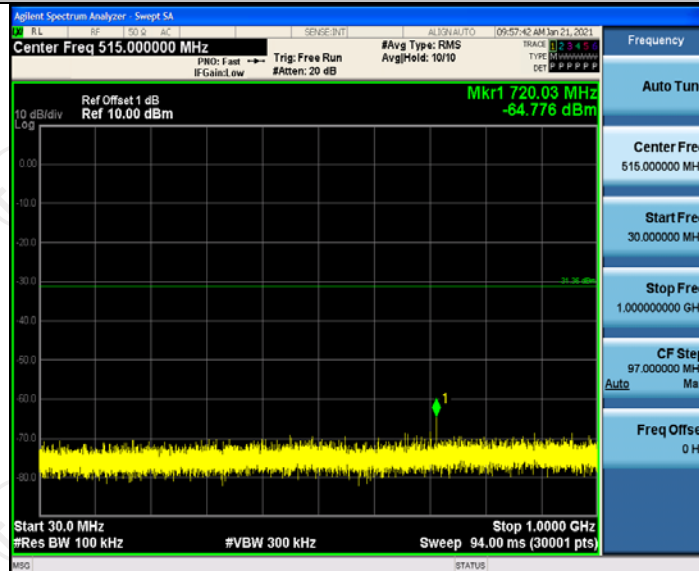
11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500

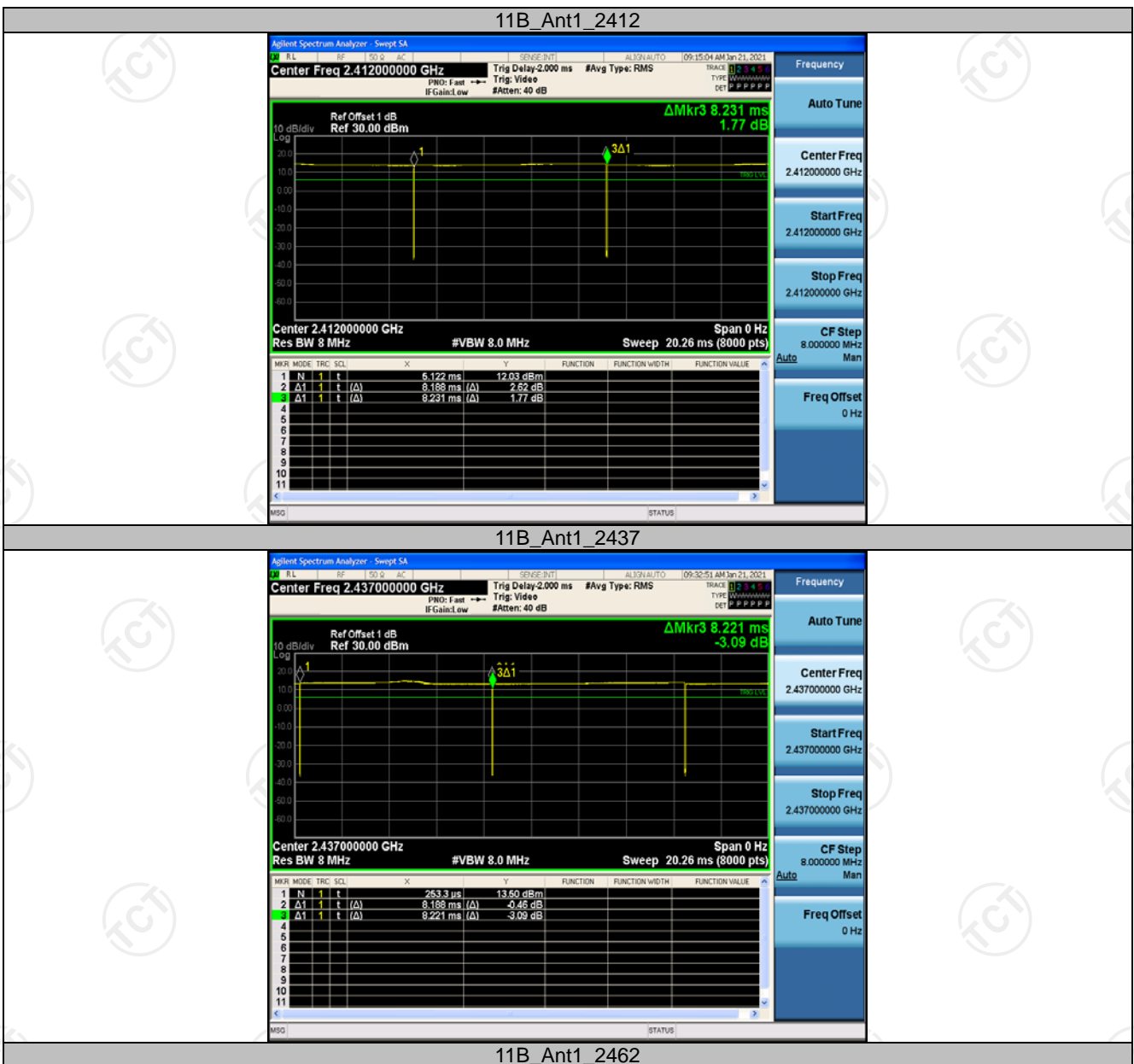


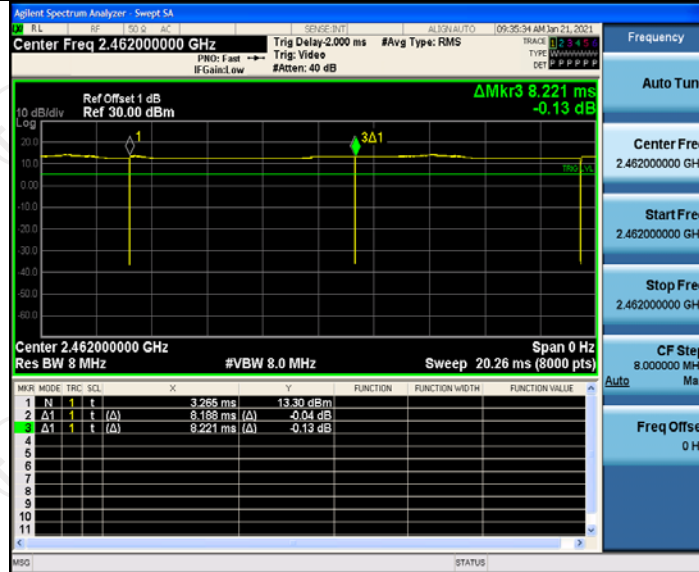
Duty Cycle

Test Result

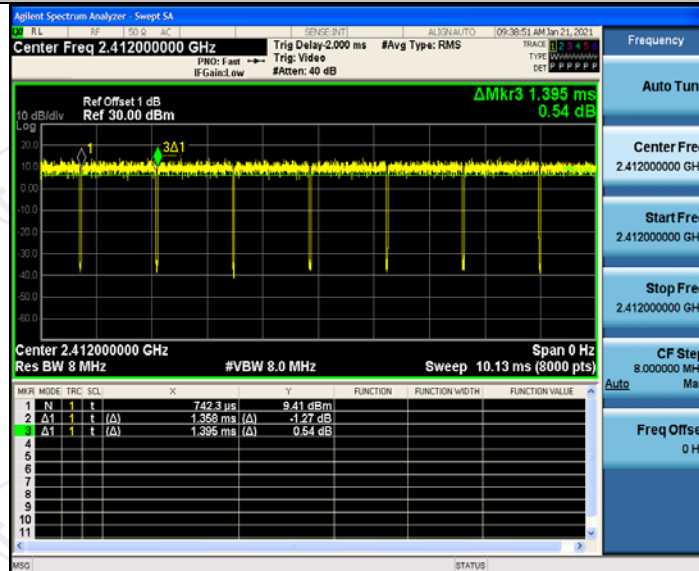
Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.19	8.23	99.48	---	PASS
		2437	8.19	8.22	99.60	---	PASS
		2462	8.19	8.22	99.60	---	PASS
11G	Ant1	2412	1.36	1.39	97.37	---	PASS
		2437	1.36	1.39	97.37	---	PASS
		2462	1.36	1.39	97.36	---	PASS
11N20SISO	Ant1	2412	1.27	1.31	97.19	---	PASS
		2437	1.27	1.31	97.19	---	PASS
		2462	1.27	1.31	97.19	---	PASS

Test Graphs

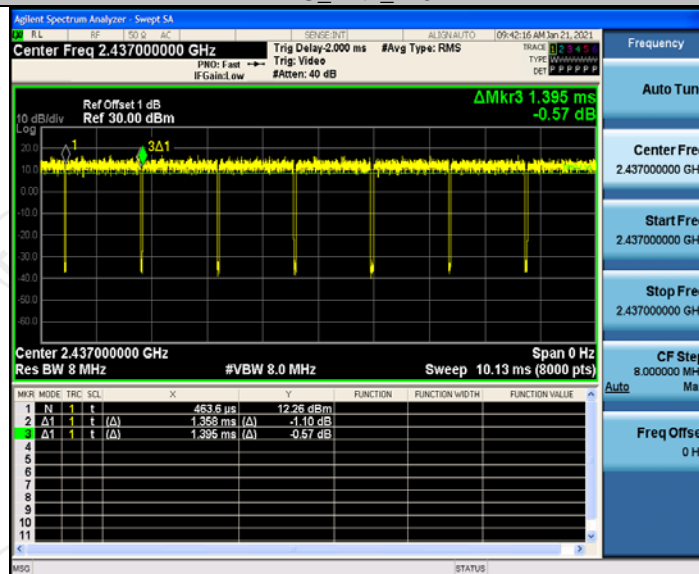




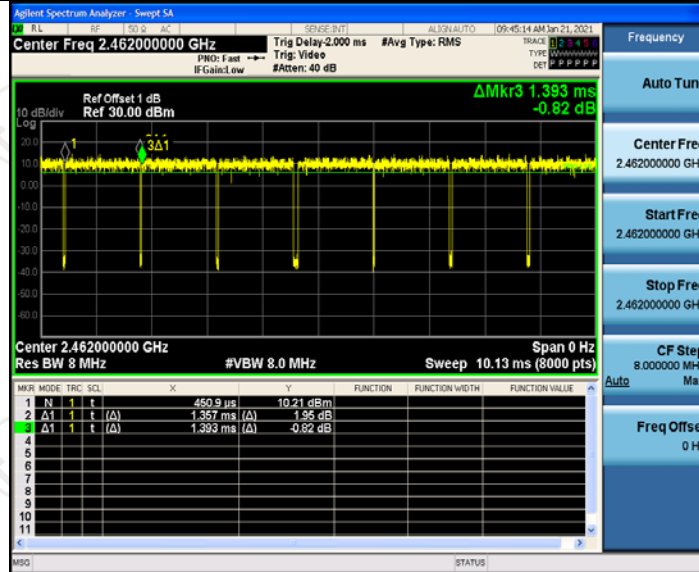
11G_Ant1_2412



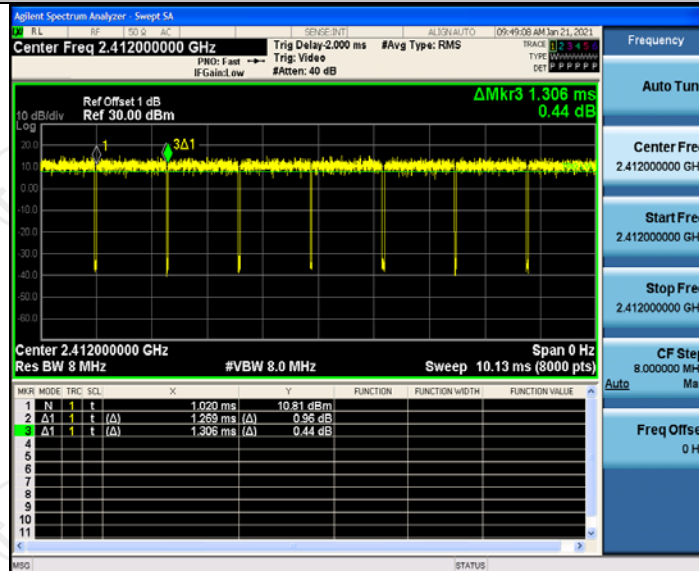
11G_Ant1_2437



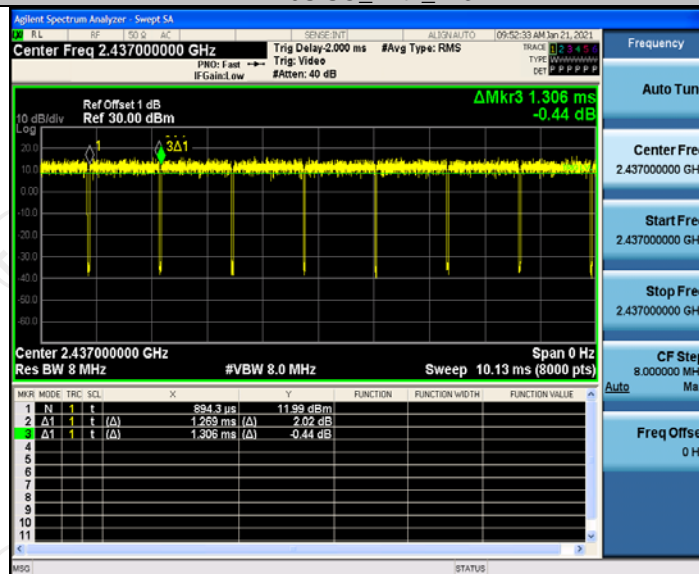
11G_Ant1_2462



11N20SISO_Ant1_2412

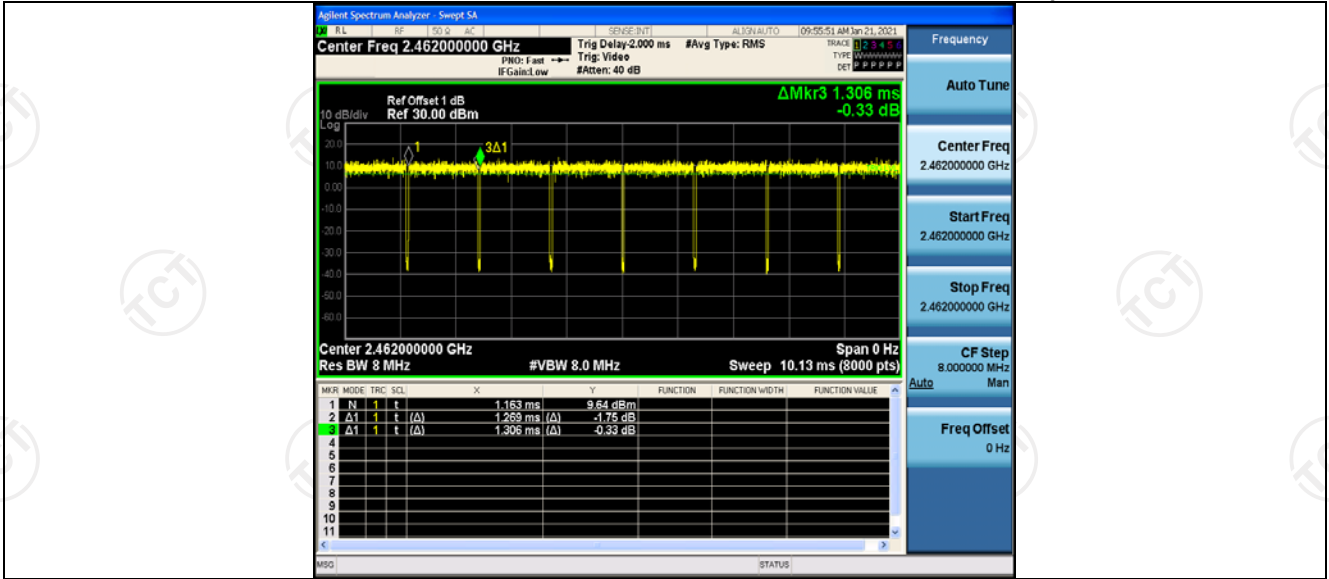


11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

11N20SISO_Ant1_2462



Appendix B: Photographs of Test Setup

Refer to the test report No. TCT201230E012

Appendix C: Photographs of EUT

Refer to the test report No. TCT201230E012

*******END OF REPORT*******