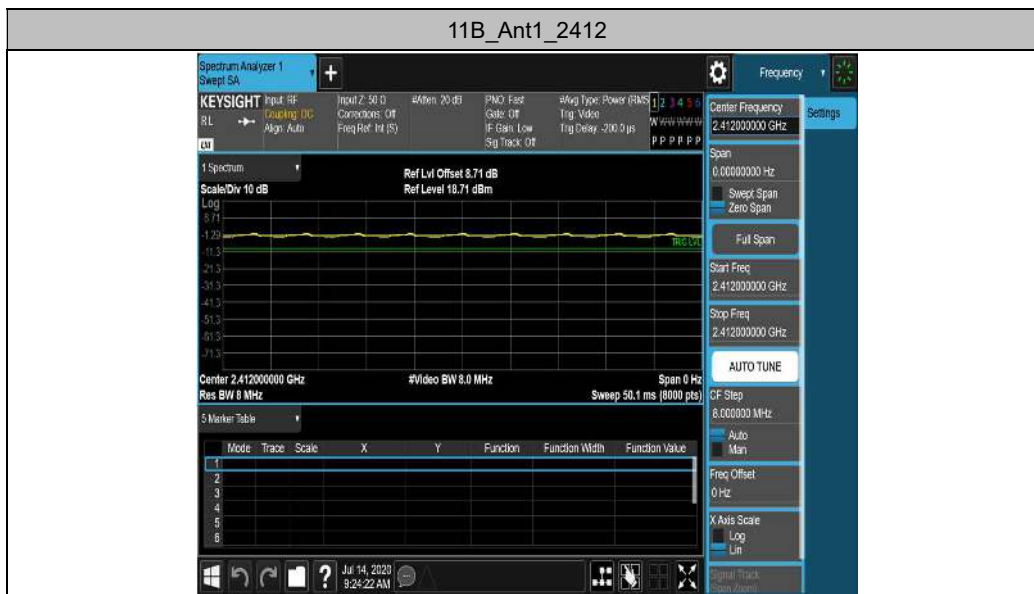


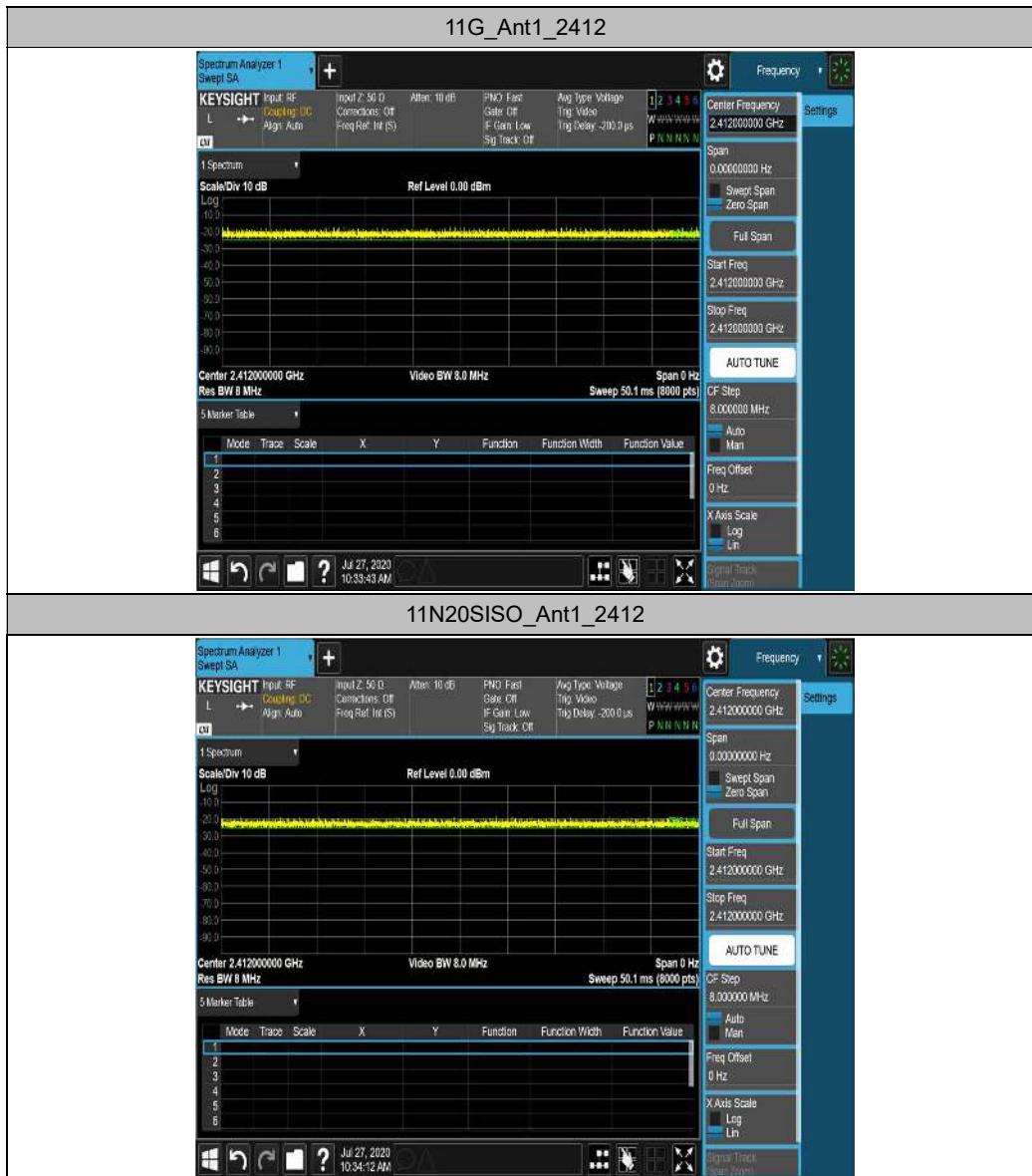
Appendix A: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	50.00	50.00	100.00
11G	Ant1	2412	50.00	50.00	100.00
11N20SISO	Ant1	2412	50.00	50.00	100.00

Test Graphs





Appendix B: 6dB bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.160	2407.400	2416.560	≥ 0.5	PASS
		2437	9.160	2432.400	2441.560	≥ 0.5	PASS
		2462	8.640	2457.920	2466.560	≥ 0.5	PASS
11G	Ant1	2412	16.560	2403.680	2420.240	≥ 0.5	PASS
		2437	16.600	2428.680	2445.280	≥ 0.5	PASS
		2462	16.560	2453.680	2470.240	≥ 0.5	PASS
11N20SISO	Ant1	2412	17.800	2403.080	2420.880	≥ 0.5	PASS
		2437	17.840	2428.080	2445.920	≥ 0.5	PASS
		2462	17.720	2453.120	2470.840	≥ 0.5	PASS

Test Graphs











Appendix C: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.970	2404.981	2418.951	---	PASS
		2437	13.964	2429.975	2443.939	---	PASS
		2462	13.976	2454.975	2468.951	---	PASS
11G	Ant1	2412	17.186	2403.249	2420.435	---	PASS
		2437	17.091	2428.347	2445.438	---	PASS
		2462	17.104	2453.334	2470.438	---	PASS
11N20SISO	Ant1	2412	18.121	2402.915	2421.036	---	PASS
		2437	18.165	2427.884	2446.049	---	PASS
		2462	18.143	2452.886	2471.029	---	PASS

Test Graphs











Appendix D: Conducted output power and E.I.R.P for DTS

Test Result

Test Result

Test Mode	Antenna	Channel	Conducted Power [dBm]	E.I.R.P [dBm]	Conducted Limit [dBm]	E.I.R.P Limit (dBm)	Verdict
11B	Ant1	2412	9.06	11.56	<=30	<=36	PASS
		2437	9.52	12.02	<=30	<=36	PASS
		2462	9.54	12.04	<=30	<=36	PASS
11G	Ant1	2412	5.63	8.13	<=30	<=36	PASS
		2437	6.06	8.56	<=30	<=36	PASS
		2462	6.19	8.69	<=30	<=36	PASS
11N20SISO	Ant1	2412	5.62	8.12	<=30	<=36	PASS
		2437	6.05	8.55	<=30	<=36	PASS
		2462	6.07	8.57	<=30	<=36	PASS

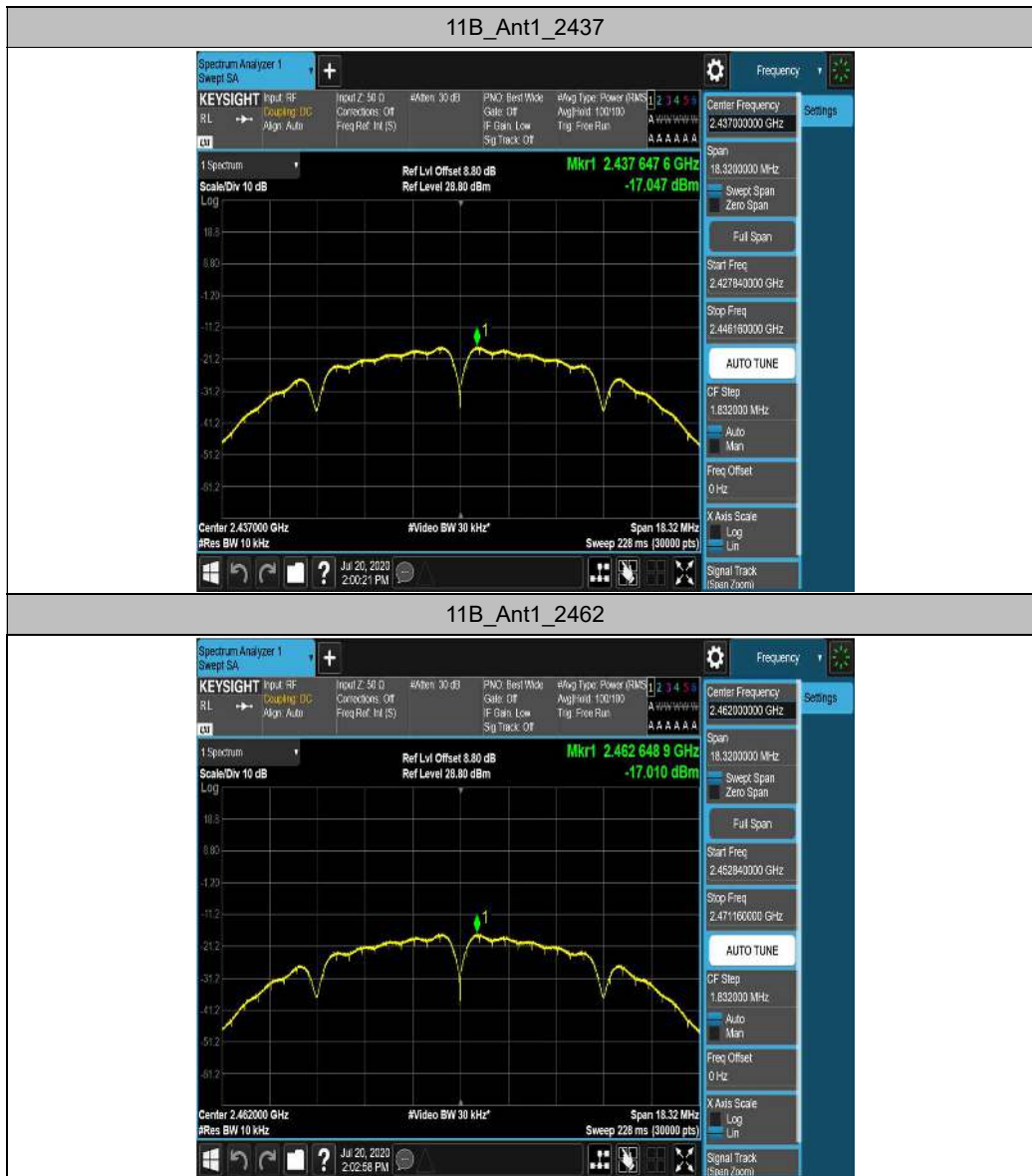
Appendix E: Maximum power spectral density

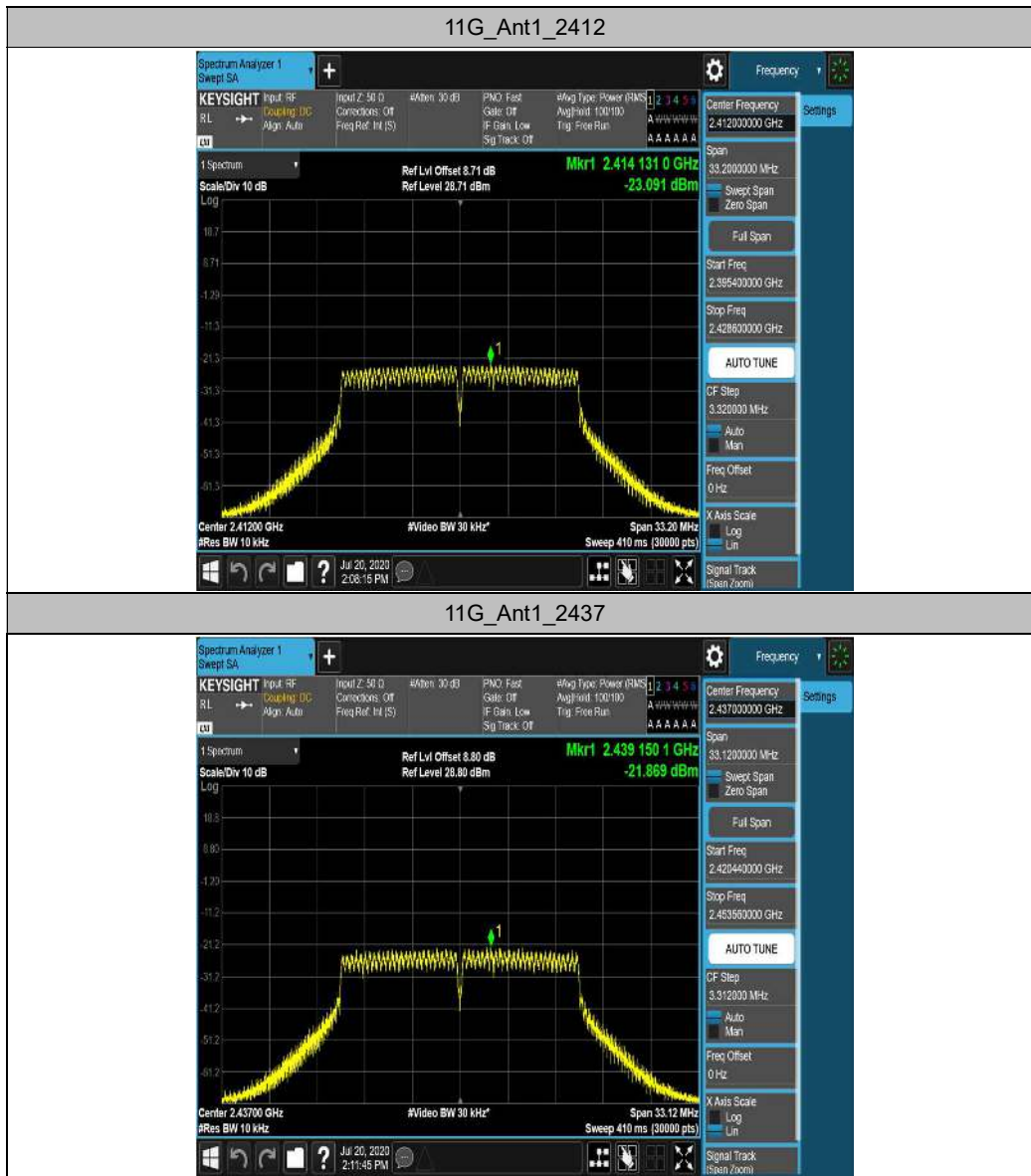
Test Result

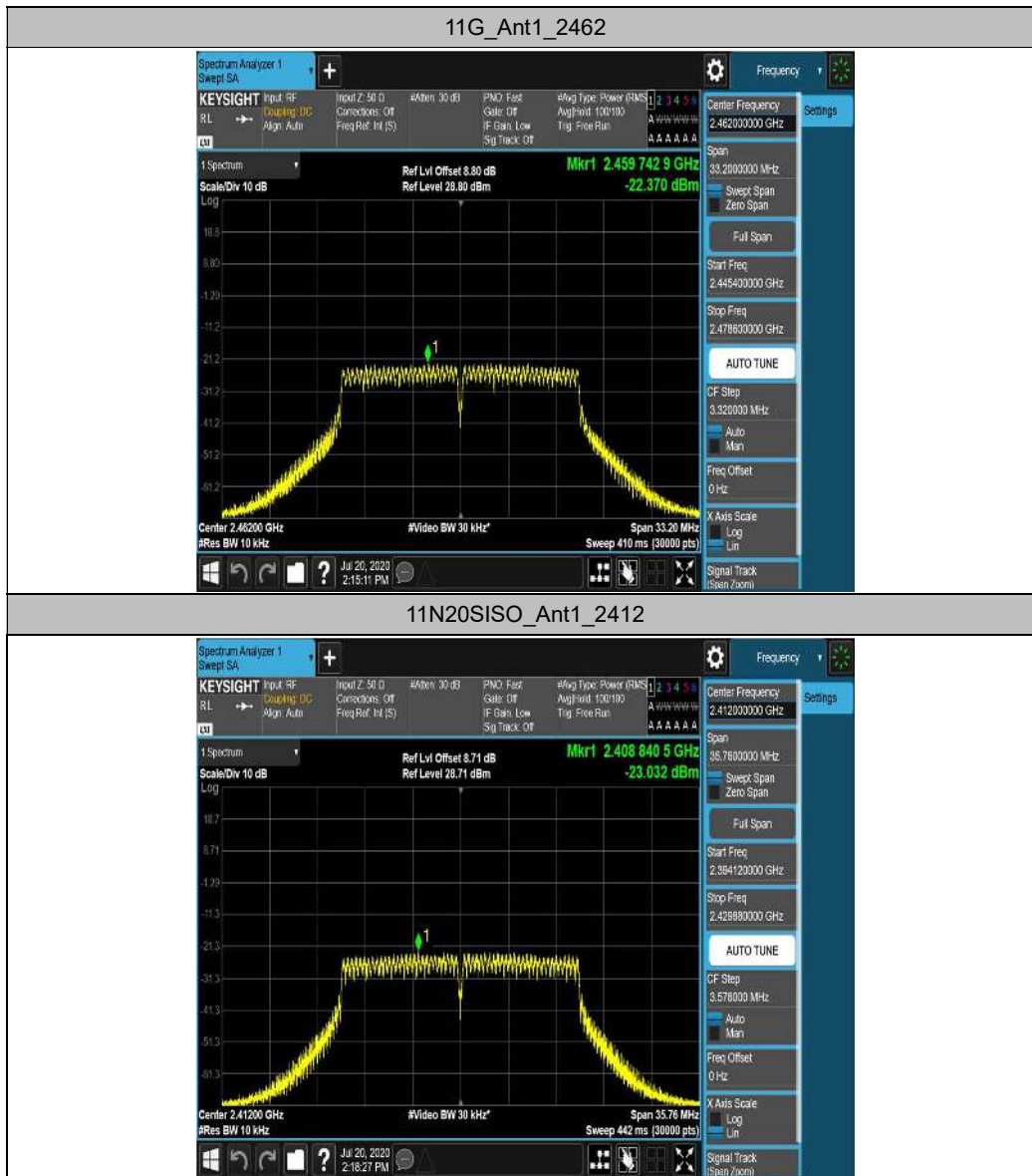
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-17.77	<=8	PASS
		2437	-17.05	<=8	PASS
		2462	-17.01	<=8	PASS
11G	Ant1	2412	-23.09	<=8	PASS
		2437	-21.87	<=8	PASS
		2462	-22.37	<=8	PASS
11N20SISO	Ant1	2412	-23.03	<=8	PASS
		2437	-22.52	<=8	PASS
		2462	-22.6	<=8	PASS

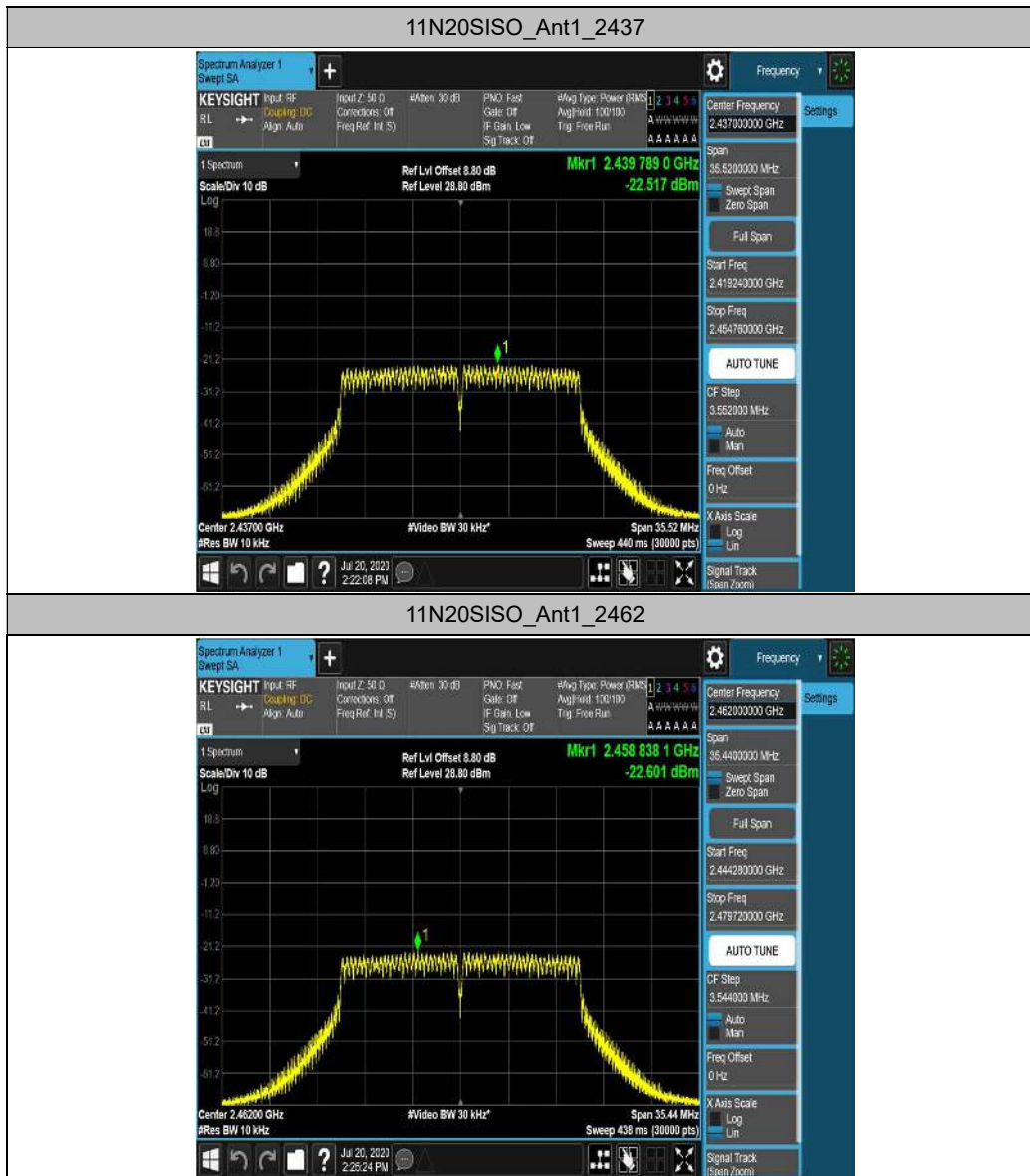
Test Graphs









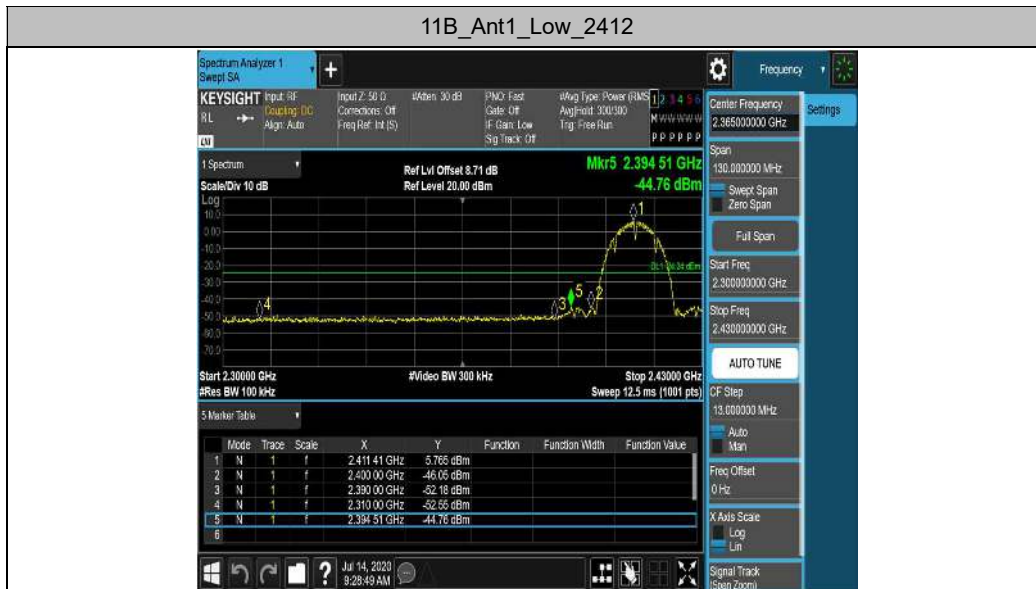


Appendix F: Band edge measurements

Test Result

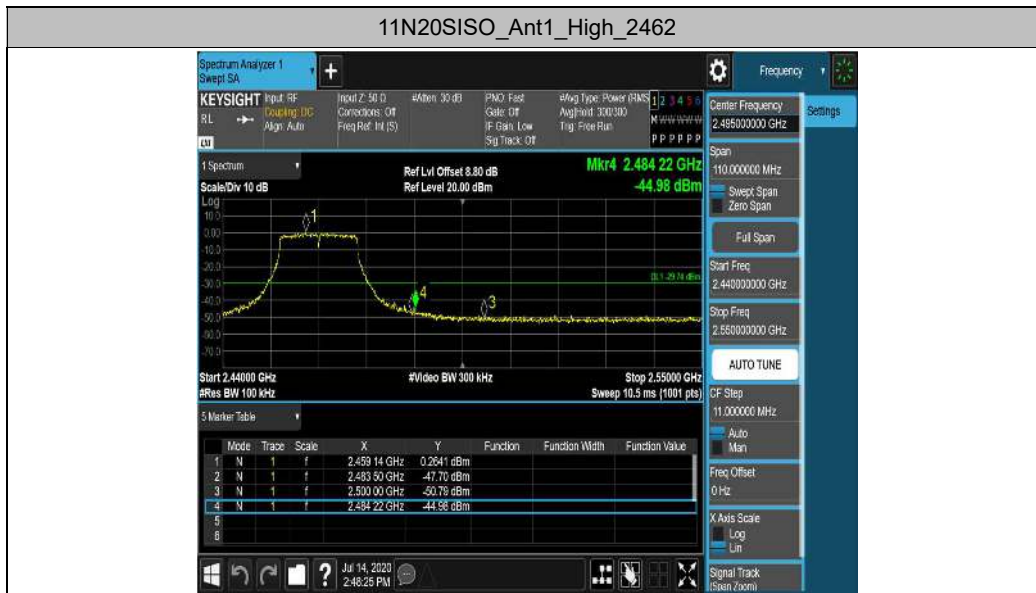
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.77	-44.76	<=-24.24	PASS
		High	2462	8.52	-47.3	<=-21.48	PASS
11G	Ant1	Low	2412	-0.07	-31.8	<=-30.07	PASS
		High	2462	0.39	-46.43	<=-29.61	PASS
11N20SISO	Ant1	Low	2412	0.70	-31.54	<=-29.3	PASS
		High	2462	0.26	-44.99	<=-29.74	PASS

Test Graphs







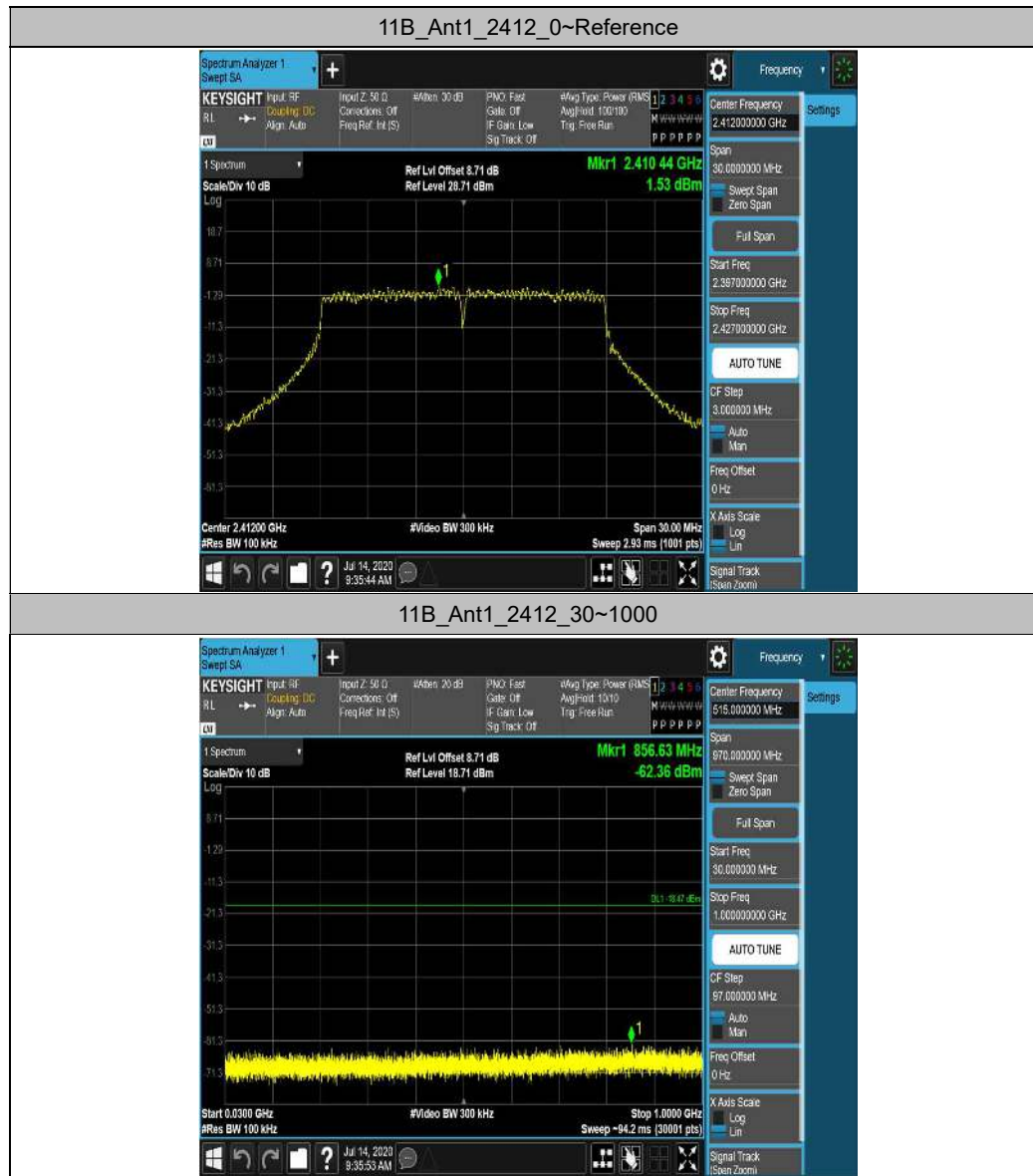


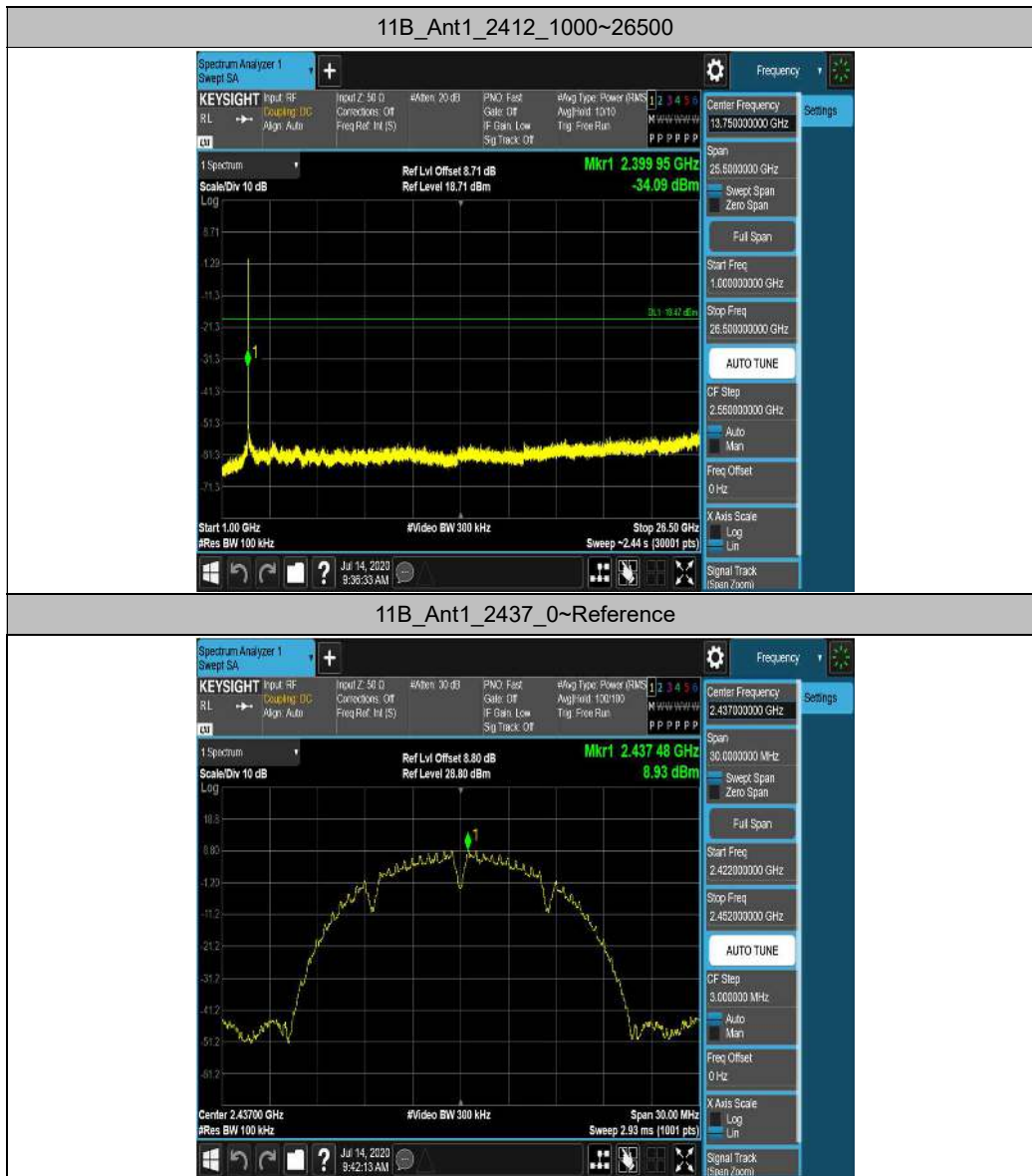
Appendix G: Conducted Spurious Emission

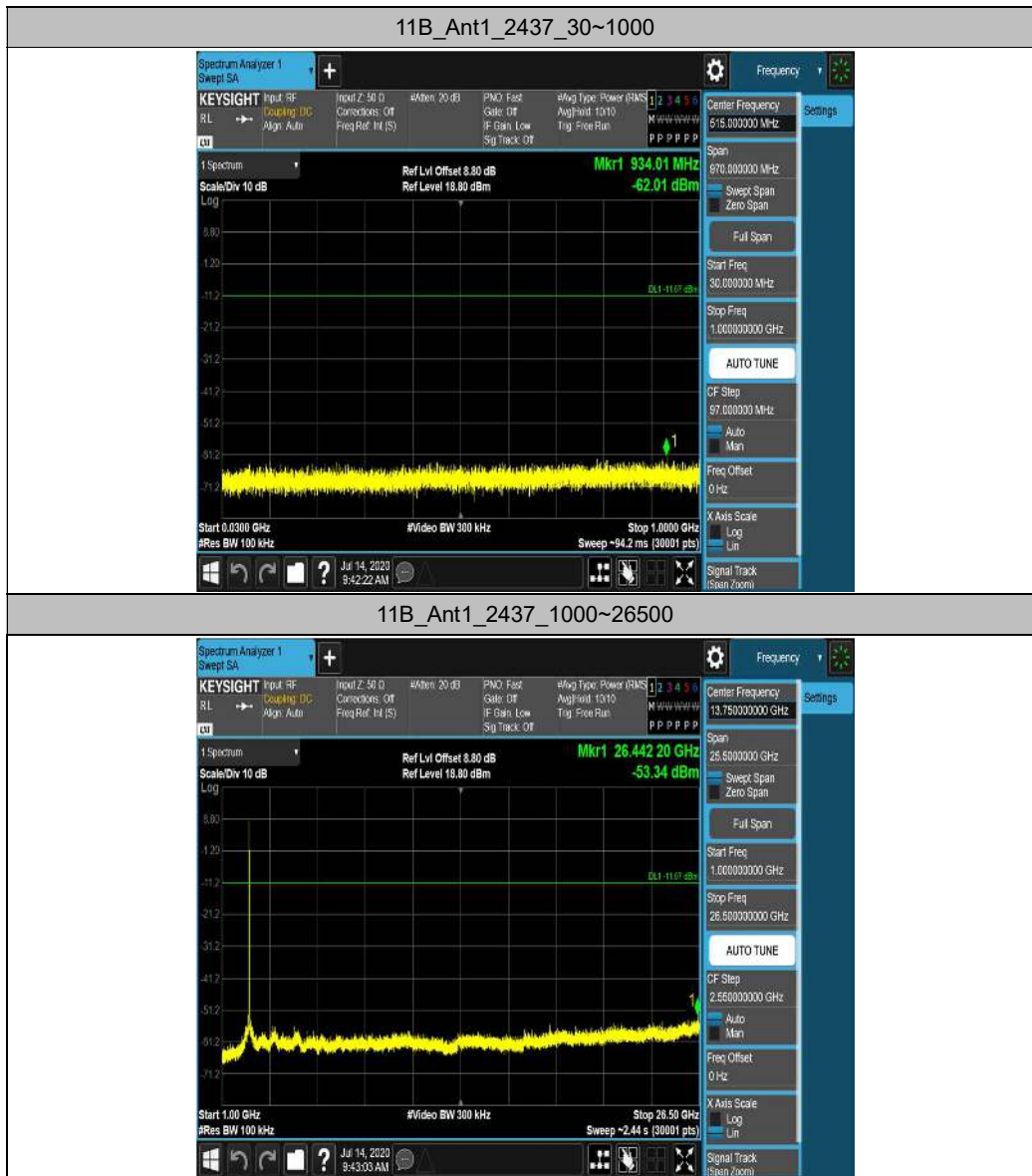
Test Result

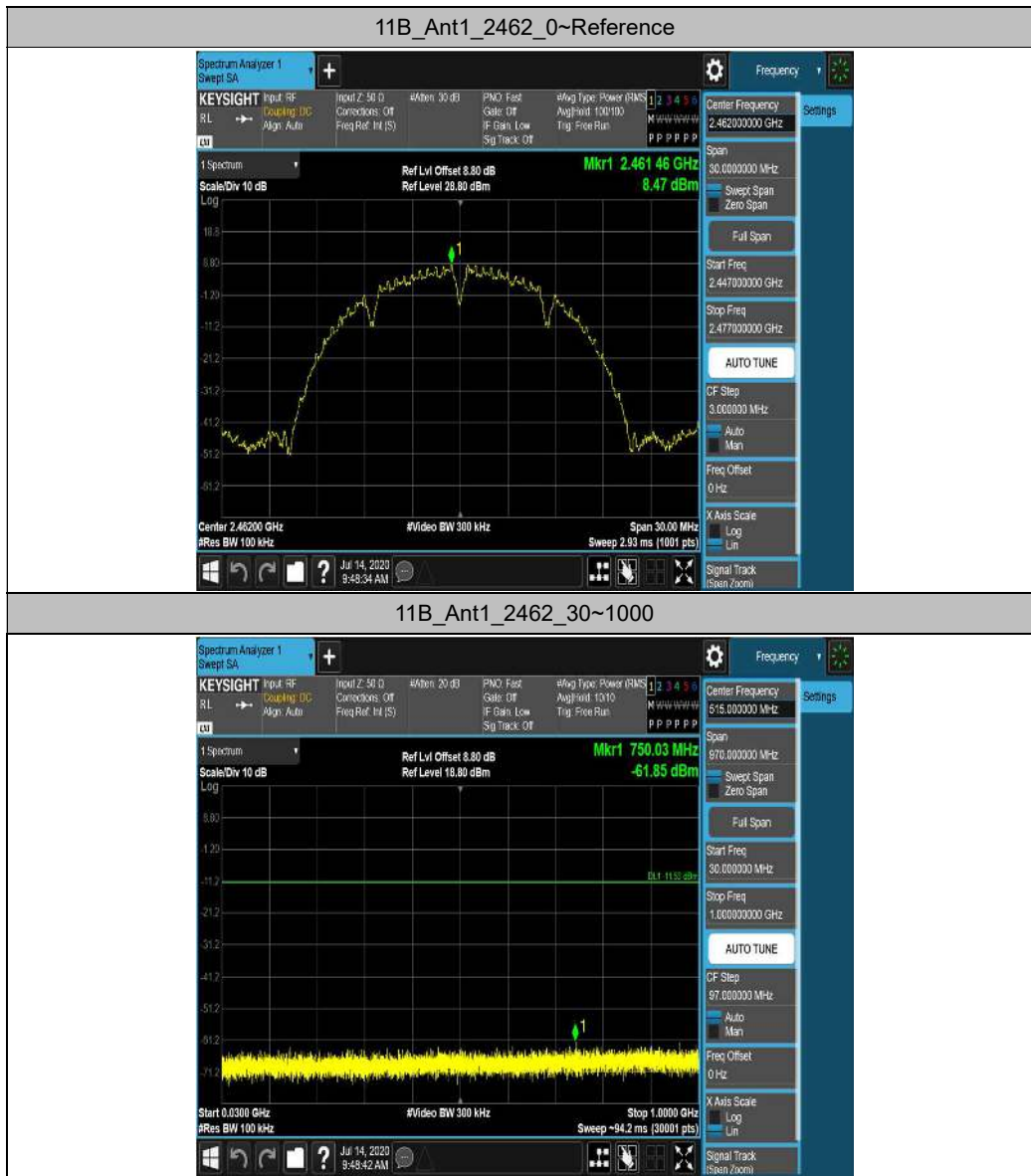
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	1.53	1.53	---	PASS
			30~1000	30~1000	-62.363	<=-18.468	PASS
			1000~26500	1000~26500	-34.09	<=-18.468	PASS
		2437	Reference	8.93	8.93	---	PASS
			30~1000	30~1000	-62.013	<=-11.073	PASS
			1000~26500	1000~26500	-53.342	<=-11.073	PASS
		2462	Reference	8.47	8.47	---	PASS
			30~1000	30~1000	-61.855	<=-11.53	PASS
			1000~26500	1000~26500	-51.567	<=-11.53	PASS
11G	Ant1	2412	Reference	0.11	0.11	---	PASS
			30~1000	30~1000	-61.574	<=-19.886	PASS
			1000~26500	1000~26500	-30.782	<=-19.886	PASS
		2437	Reference	0.31	0.31	---	PASS
			30~1000	30~1000	-61.048	<=-19.691	PASS
			1000~26500	1000~26500	-53.548	<=-19.691	PASS
		2462	Reference	0.00	0.00	---	PASS
			30~1000	30~1000	-62.572	<=-20.001	PASS
			1000~26500	1000~26500	-49.796	<=-20.001	PASS
11N20SISO	Ant1	2412	Reference	-0.27	-0.27	---	PASS
			30~1000	30~1000	-62.16	<=-20.266	PASS
			1000~26500	1000~26500	-31.156	<=-20.266	PASS
		2437	Reference	0.57	0.57	---	PASS
			30~1000	30~1000	-62.447	<=-19.428	PASS
			1000~26500	1000~26500	-53.802	<=-19.428	PASS
		2462	Reference	-0.02	-0.02	---	PASS
			30~1000	30~1000	-59.294	<=-20.024	PASS
			1000~26500	1000~26500	-48.815	<=-20.024	PASS

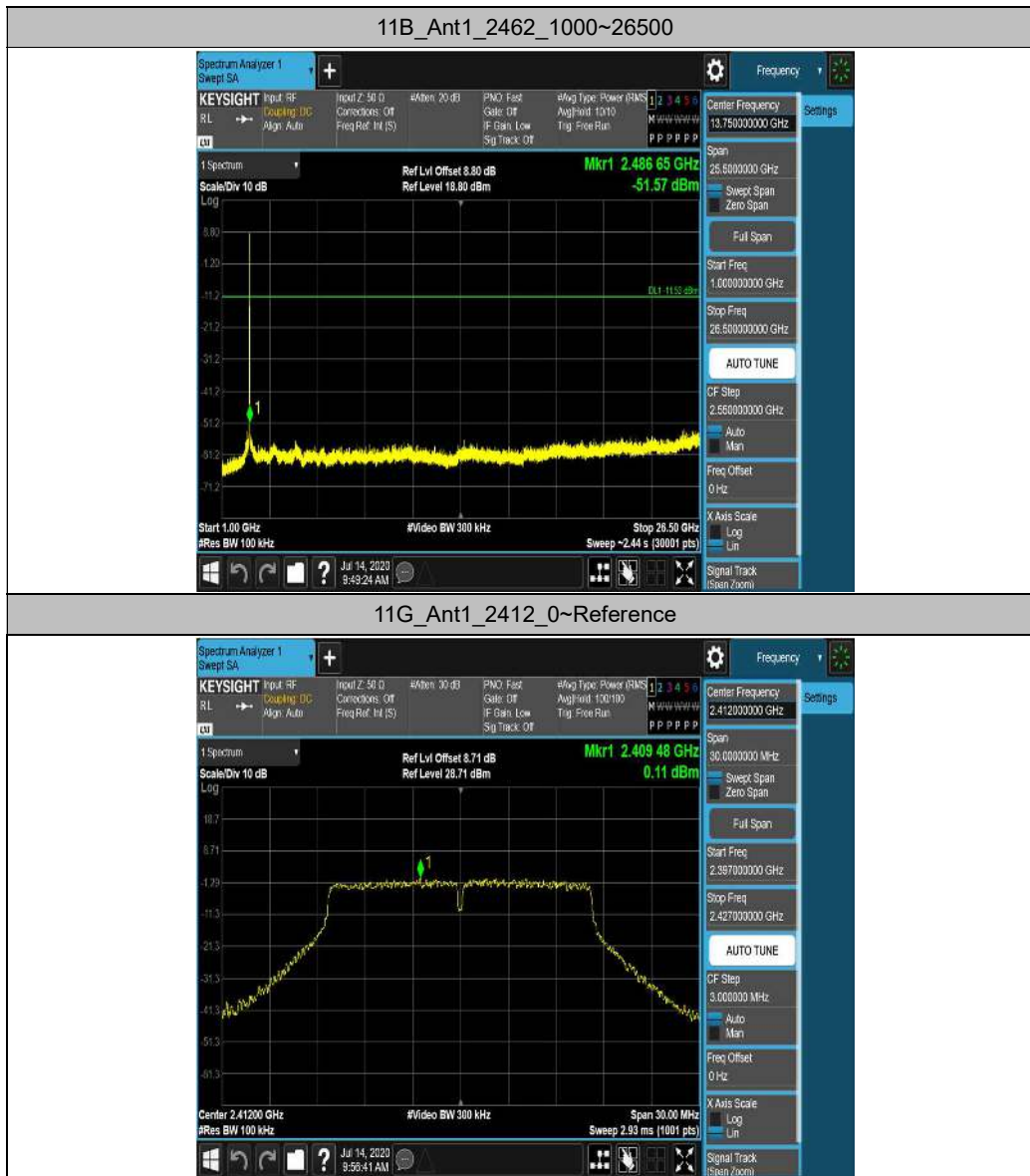
Test Graphs

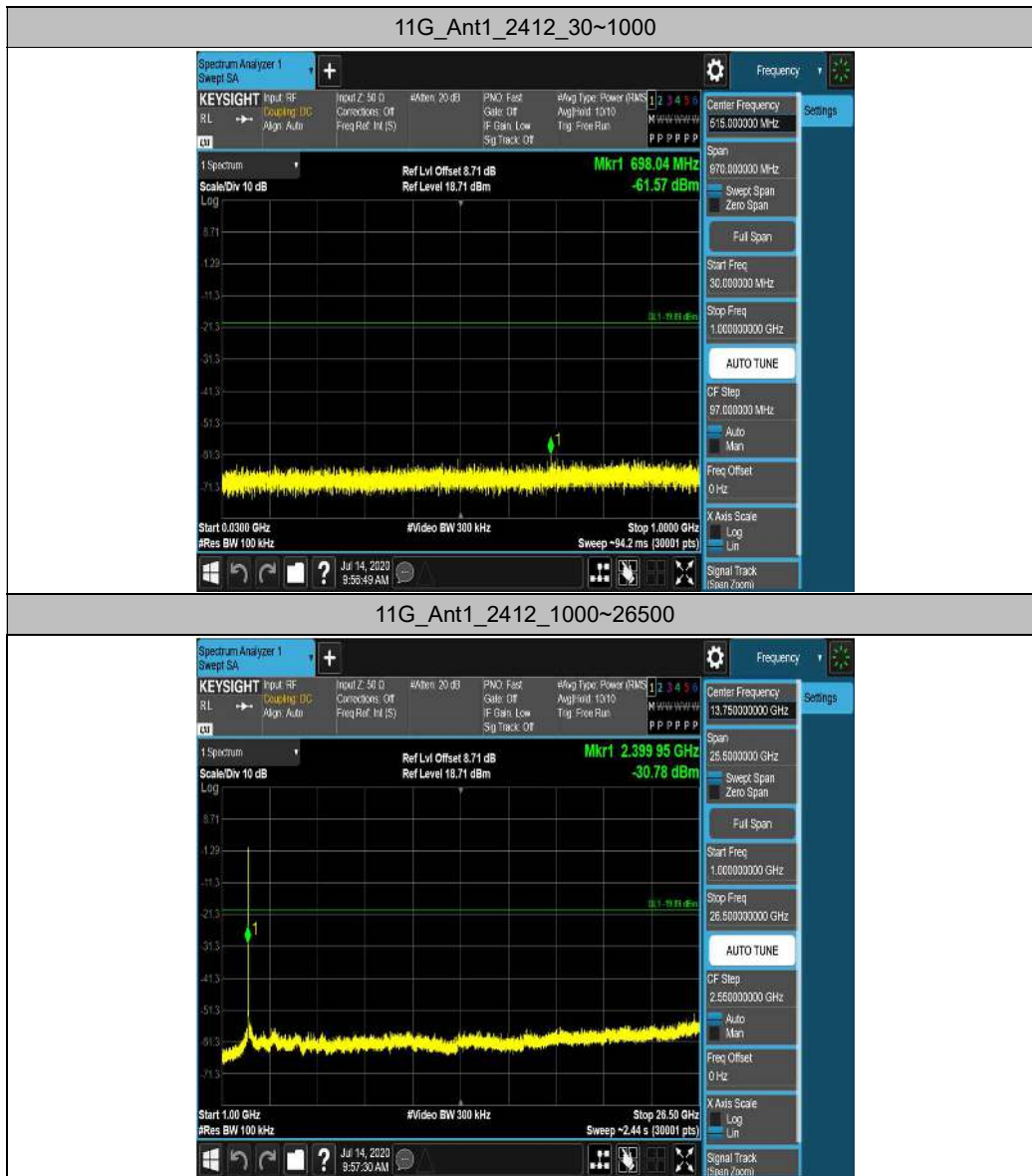


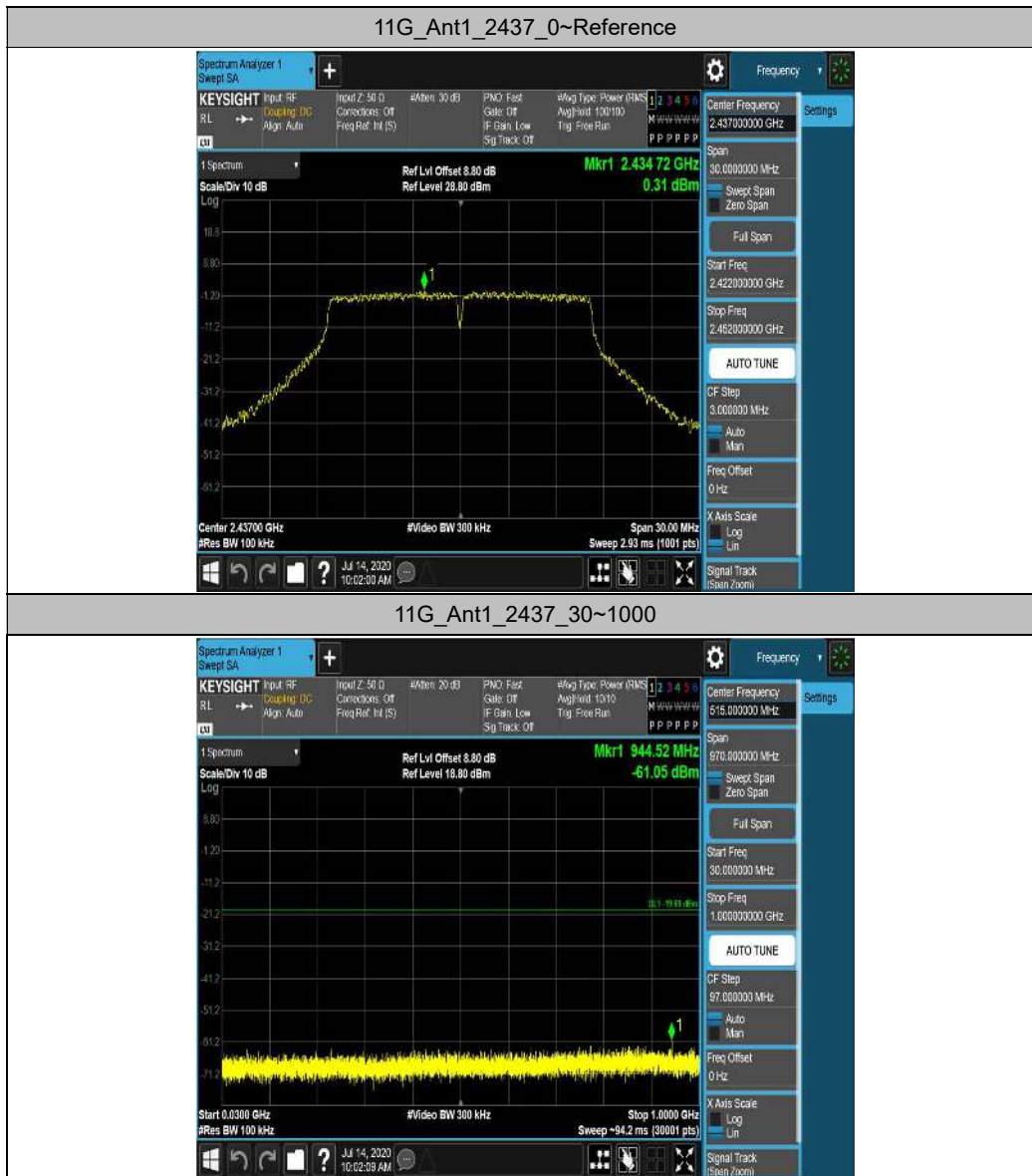


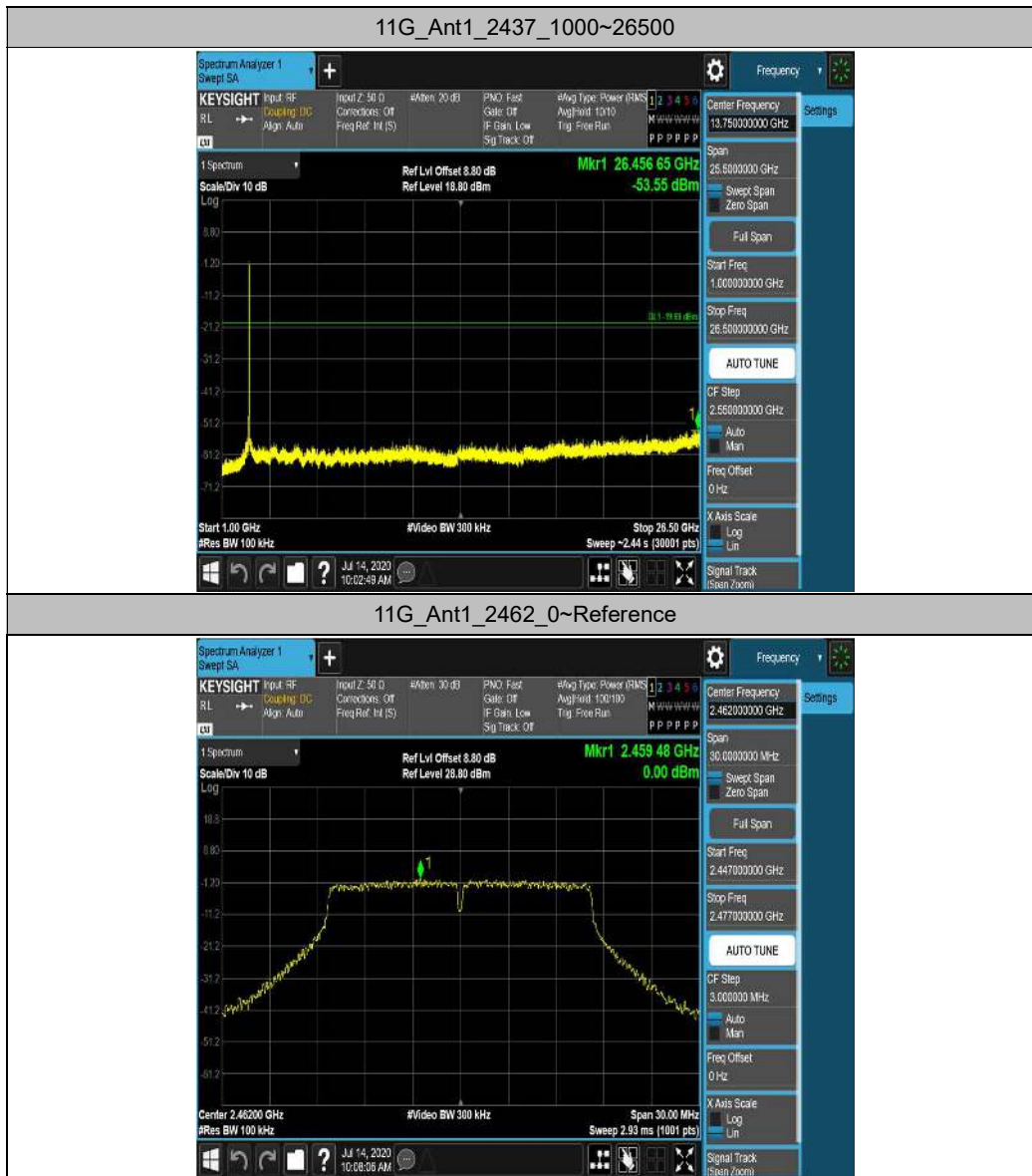


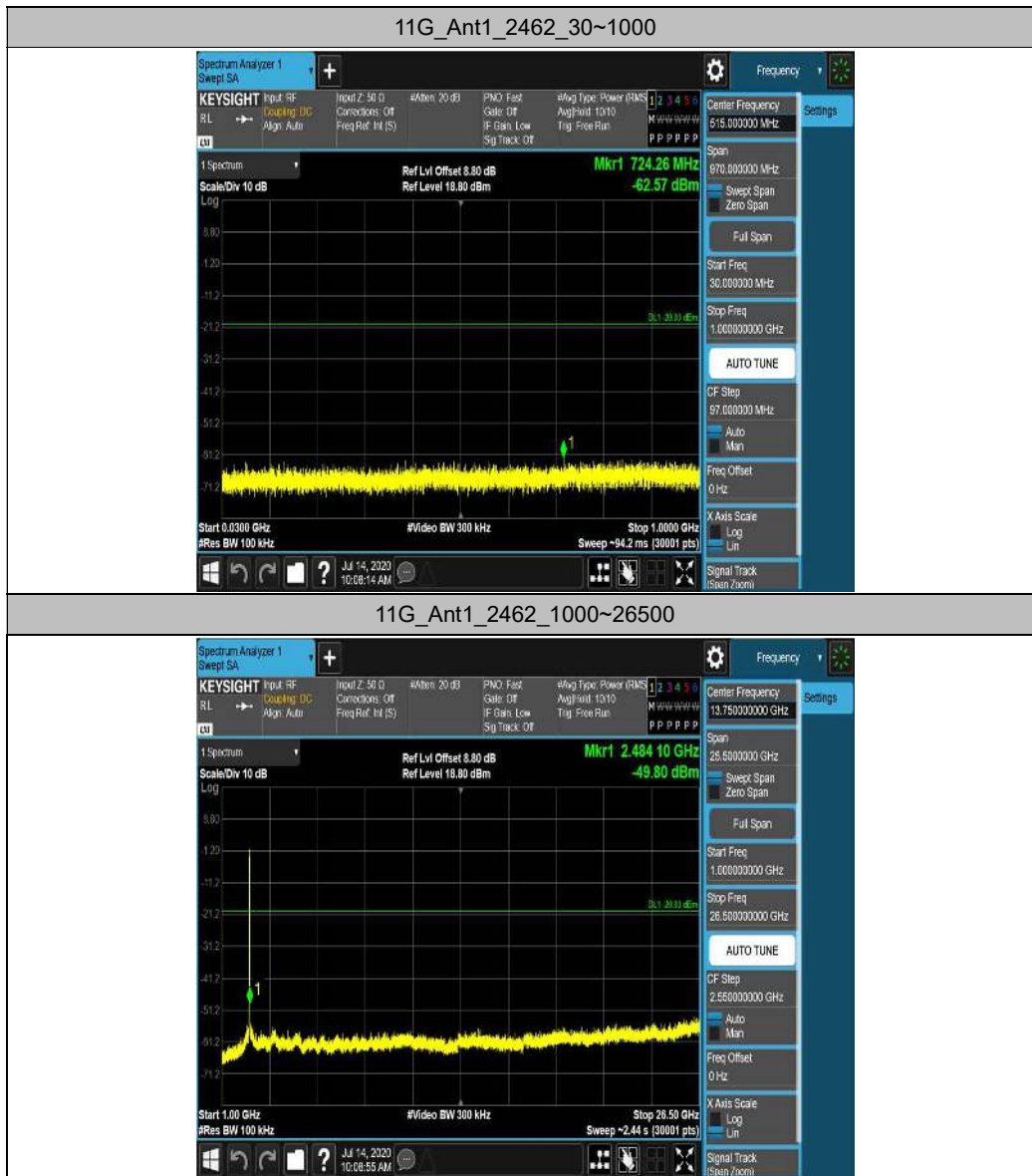


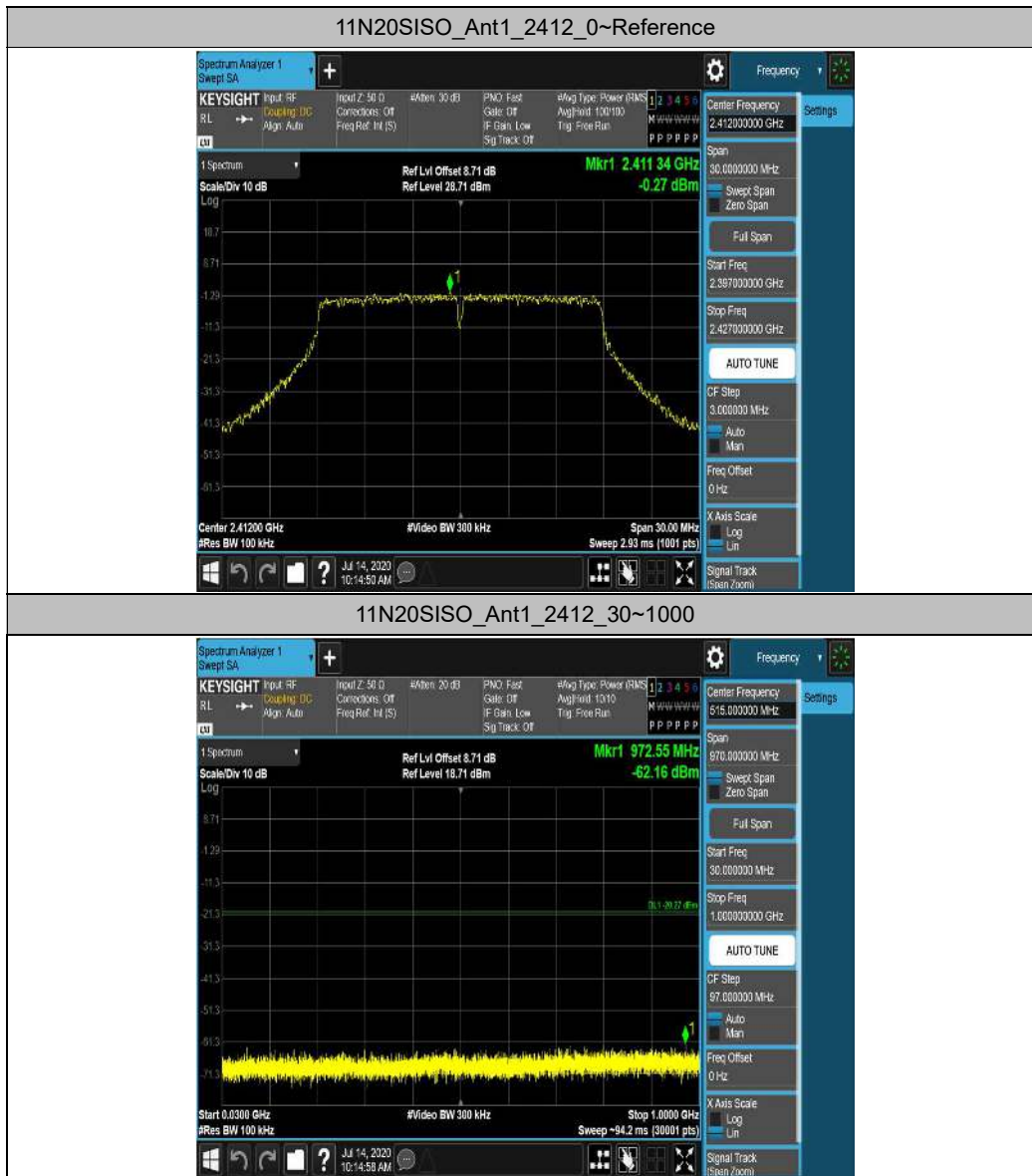


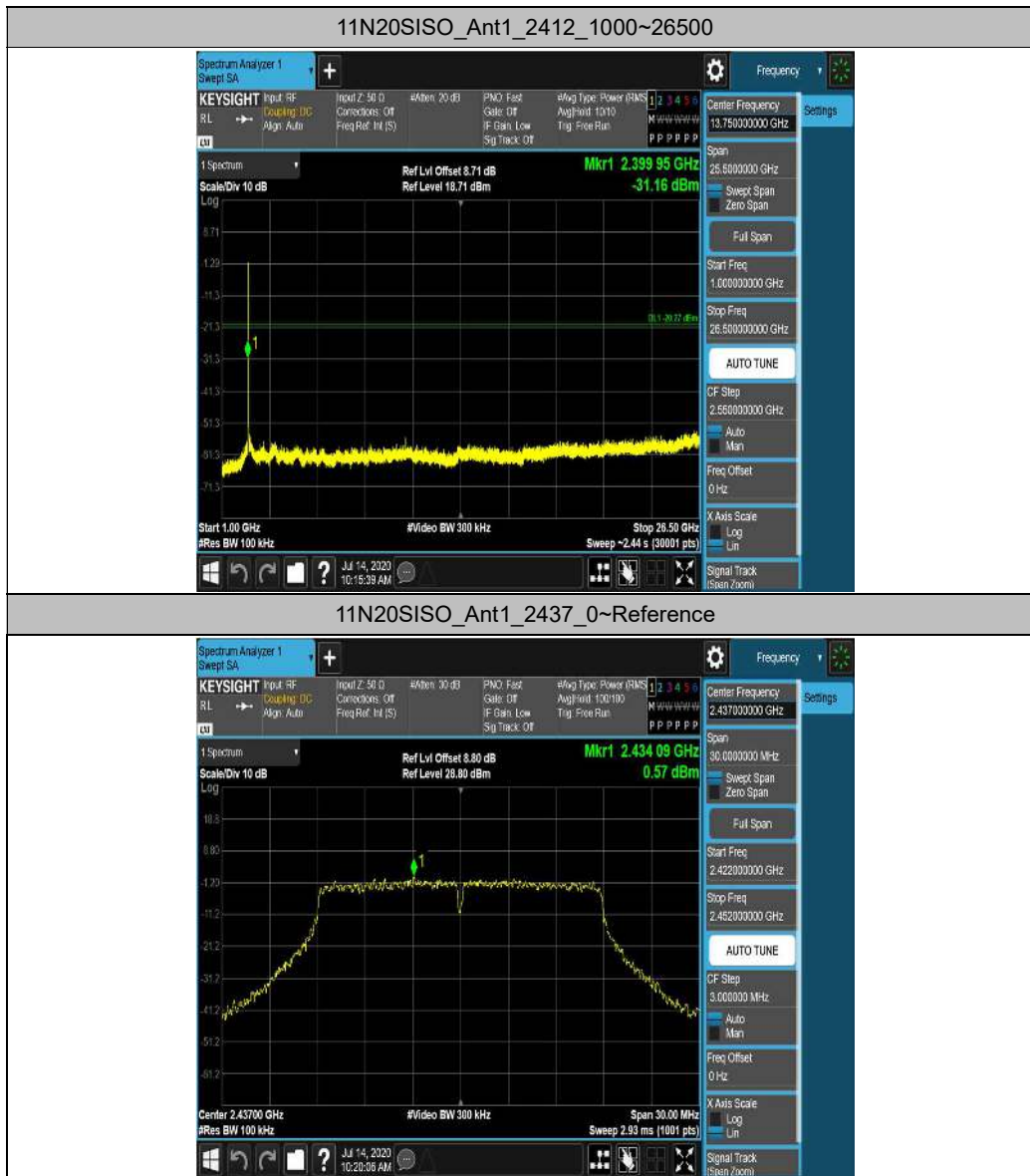


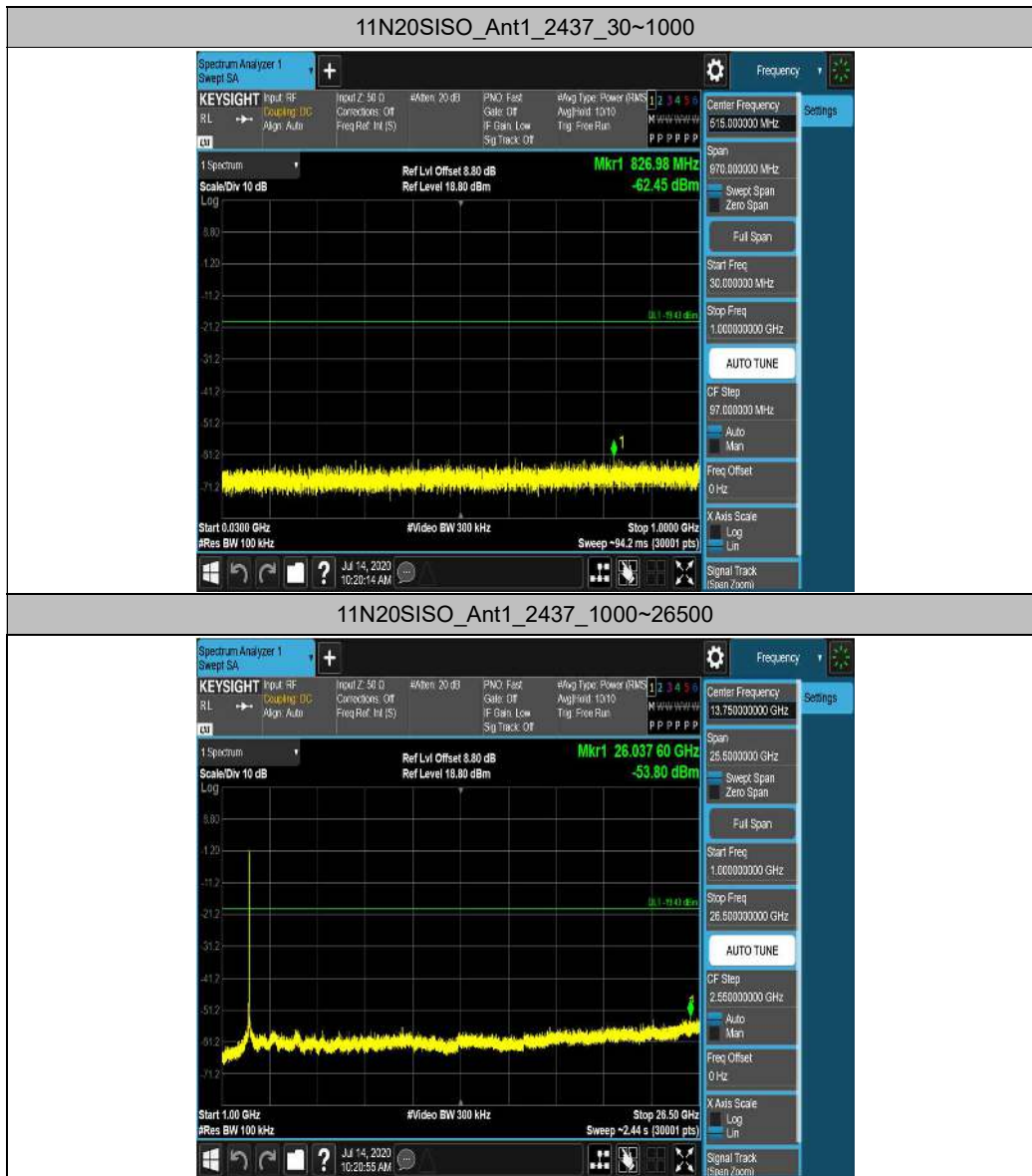


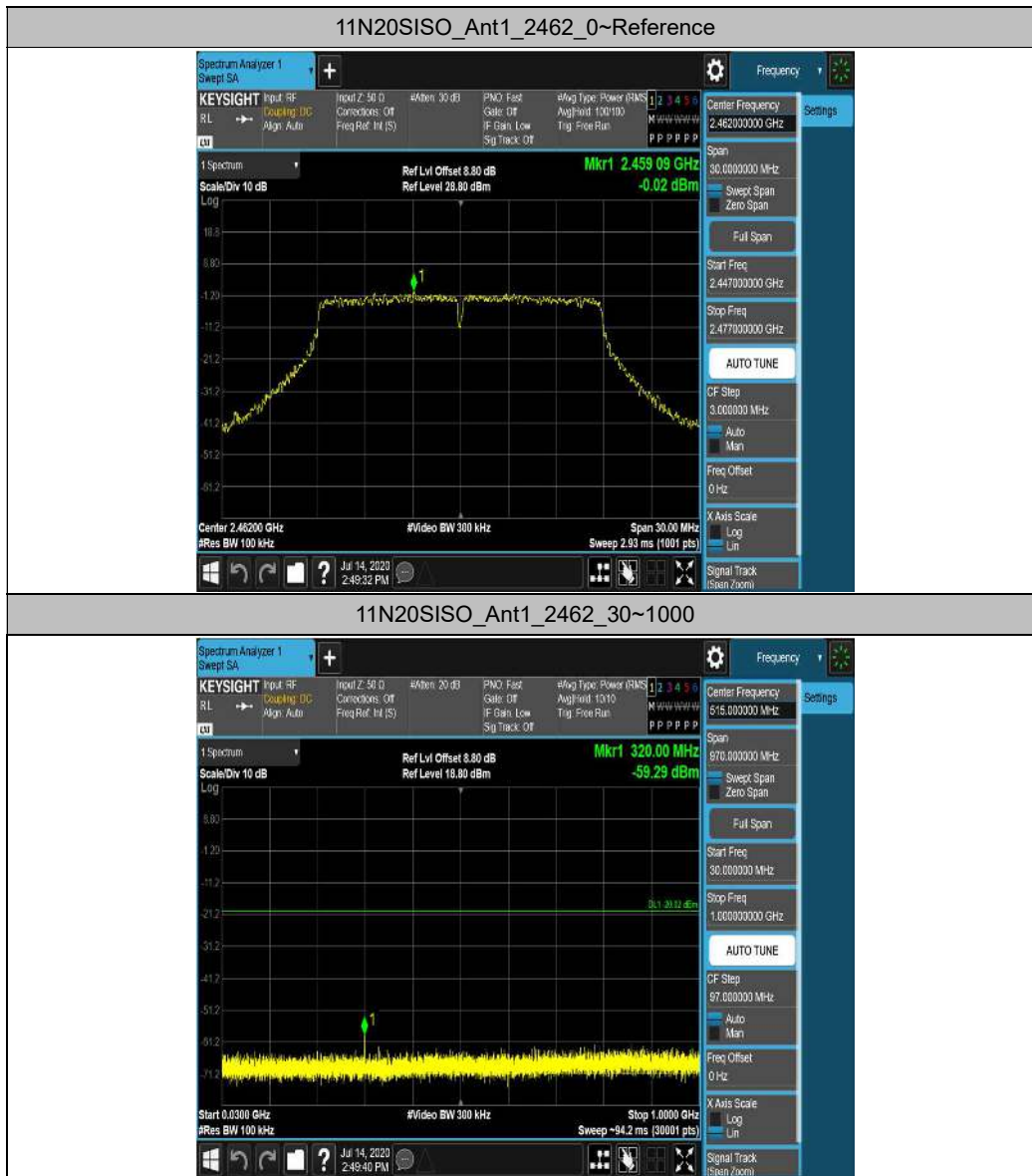














Appendix H: Emissions in Restricted Bands

Test Result

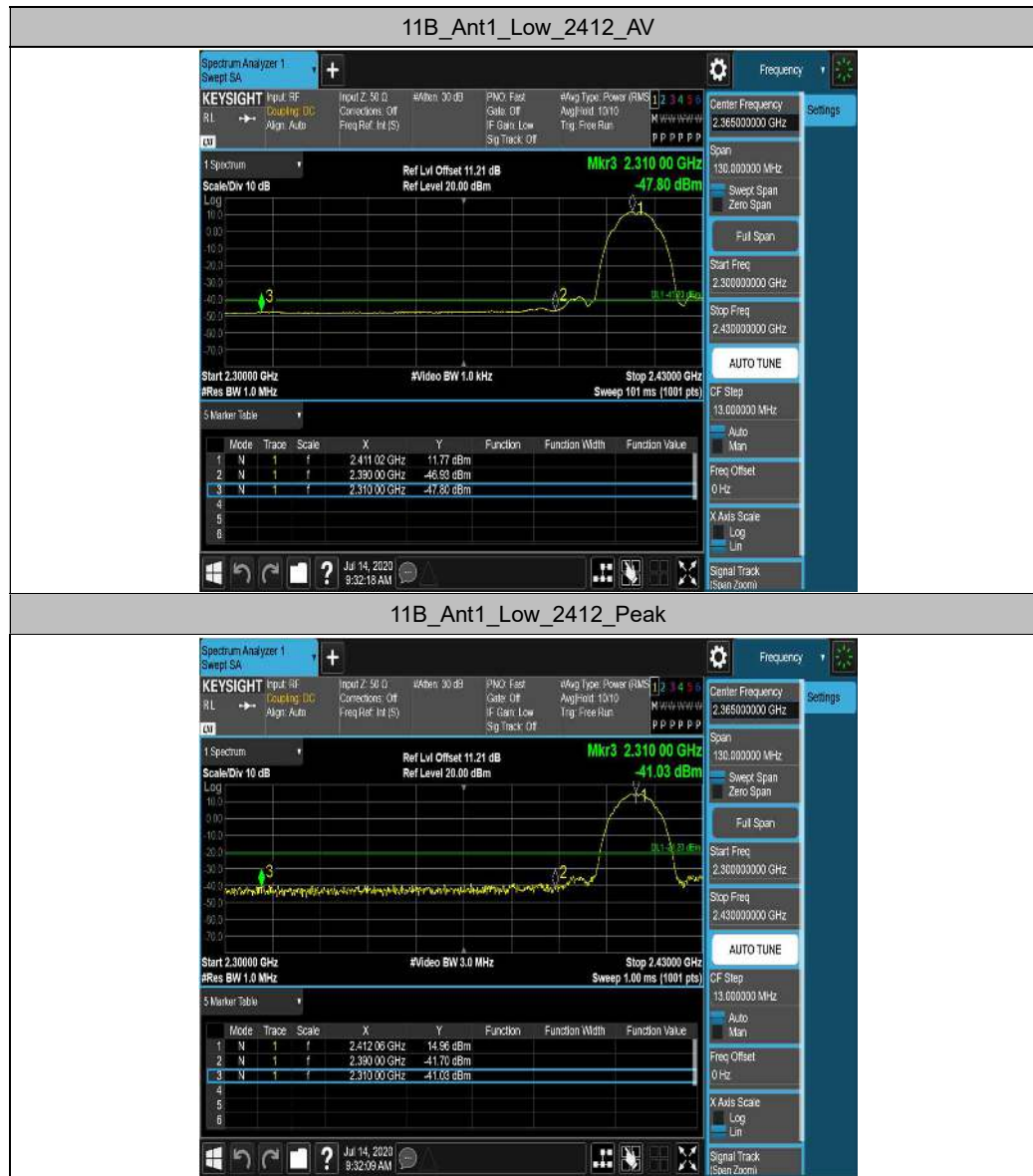
TestMode	Antenna	ChName	Channel	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-47.8	<=- 41.20	PASS
				AV	2390.000	-46.93	<=- 41.20	PASS
				Peak	2310.000	-41.03	<=- 21.20	PASS
				Peak	2390.000	-41.7	<=- 21.20	PASS
		High	2462	AV	2483.500	-45.96	<=- 41.20	PASS
				AV	2500.000	-47.25	<=- 41.20	PASS
				Peak	2483.500	-41.78	<=- 21.20	PASS
				Peak	2500.000	-42.26	<=- 21.20	PASS
11G	Ant1	Low	2412	AV	2310.000	-48.21	<=- 41.20	PASS
				AV	2390.000	-44.6	<=- 41.20	PASS
				Peak	2310.000	-42.5	<=- 21.20	PASS
				Peak	2390.000	-37.65	<=- 21.20	PASS
		High	2462	AV	2483.500	-43.4	<=- 41.20	PASS
				AV	2500.000	-47.17	<=- 41.20	PASS
				Peak	2483.500	-38.19	<=- 21.20	PASS
				Peak	2500.000	-42.93	<=- 21.20	PASS

11N20SI SO	Ant1	Low	2412	AV	2310.000	-48.3	<=- 41.20	PASS
				AV	2390.000	-44.07	<=- 41.20	PASS
				Peak	2310.000	-42.05	<=- 21.20	PASS
				Peak	2390.000	-40.06	<=- 21.20	PASS
		High	2462	AV	2483.500	-43.29	<=- 41.20	PASS
				AV	2500.000	-47.24	<=- 41.20	PASS
				Peak	2483.500	-39.46	<=- 21.20	PASS
				Peak	2500.000	-43.3	<=- 21.20	PASS

Note:

1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

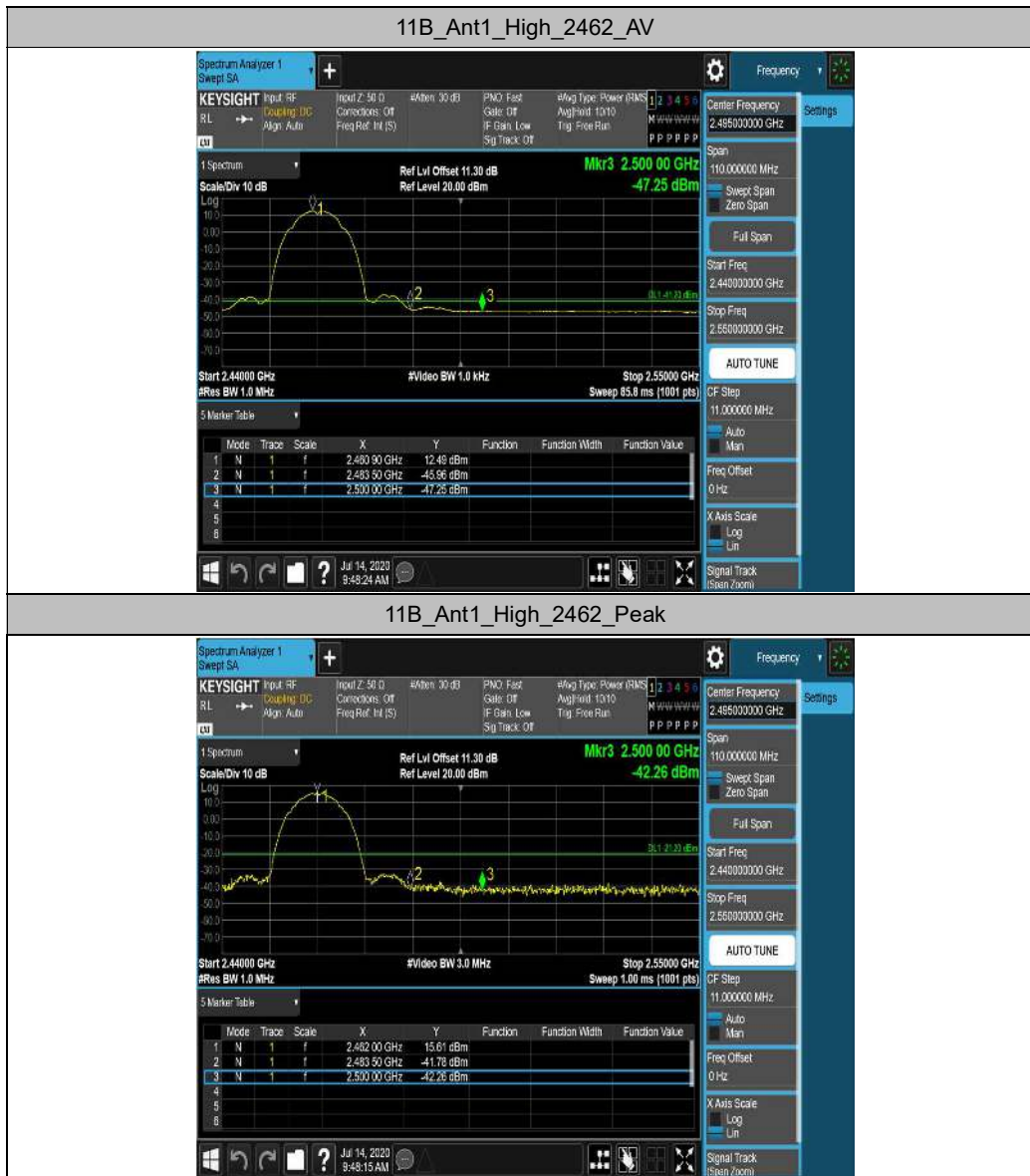
Test Graphs

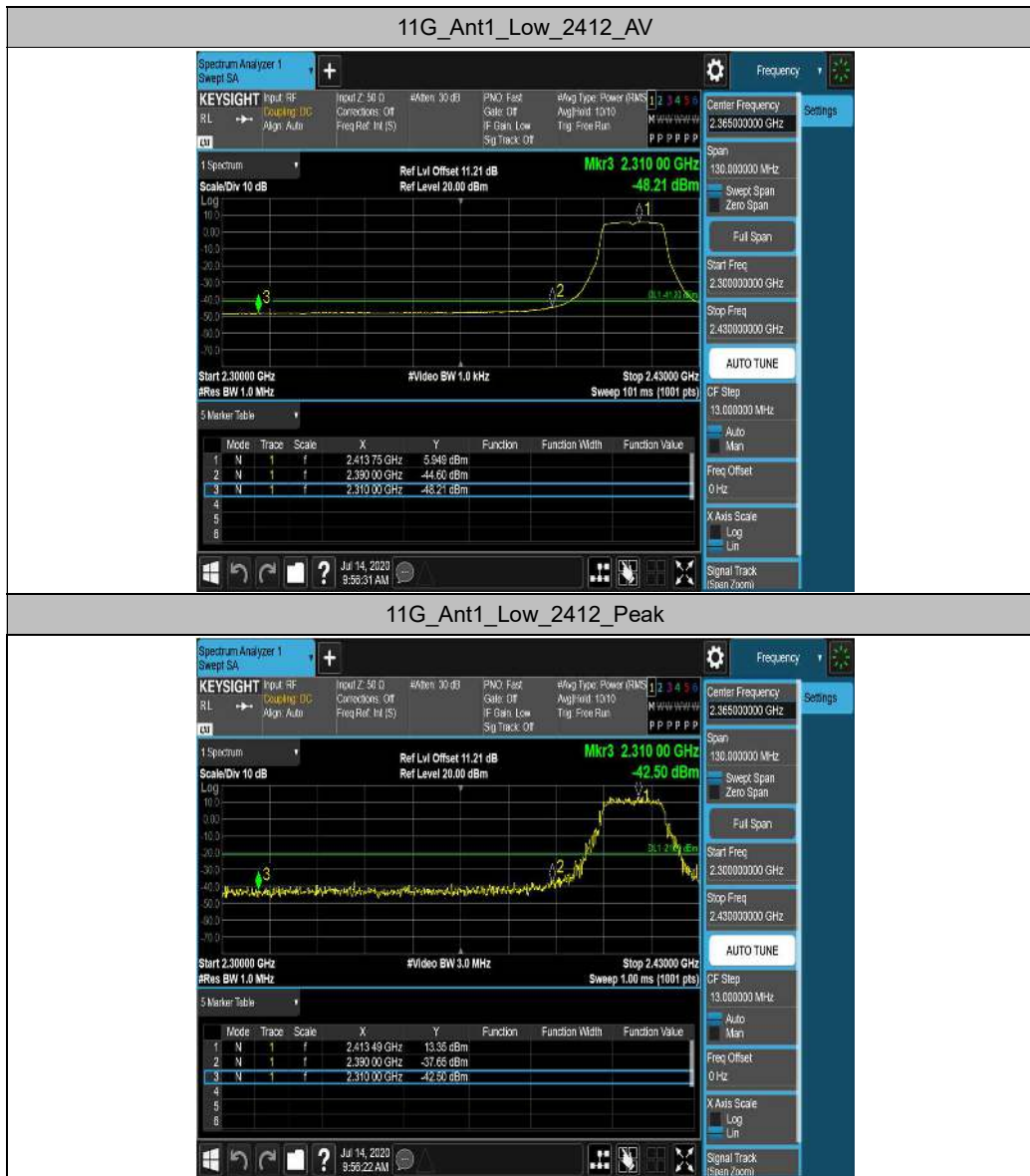


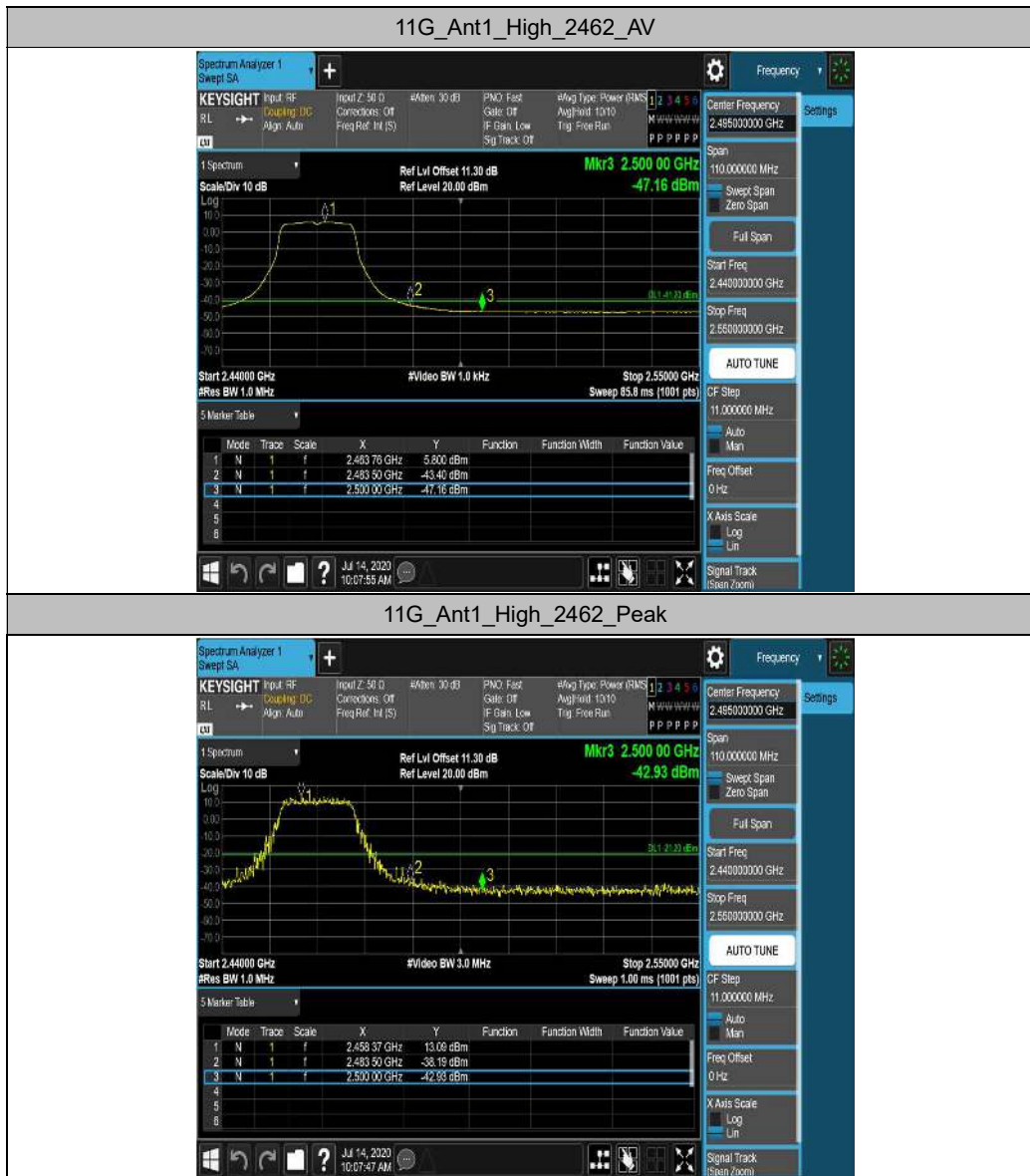
Test Report No.: EFGX20070051-IE-01-E01

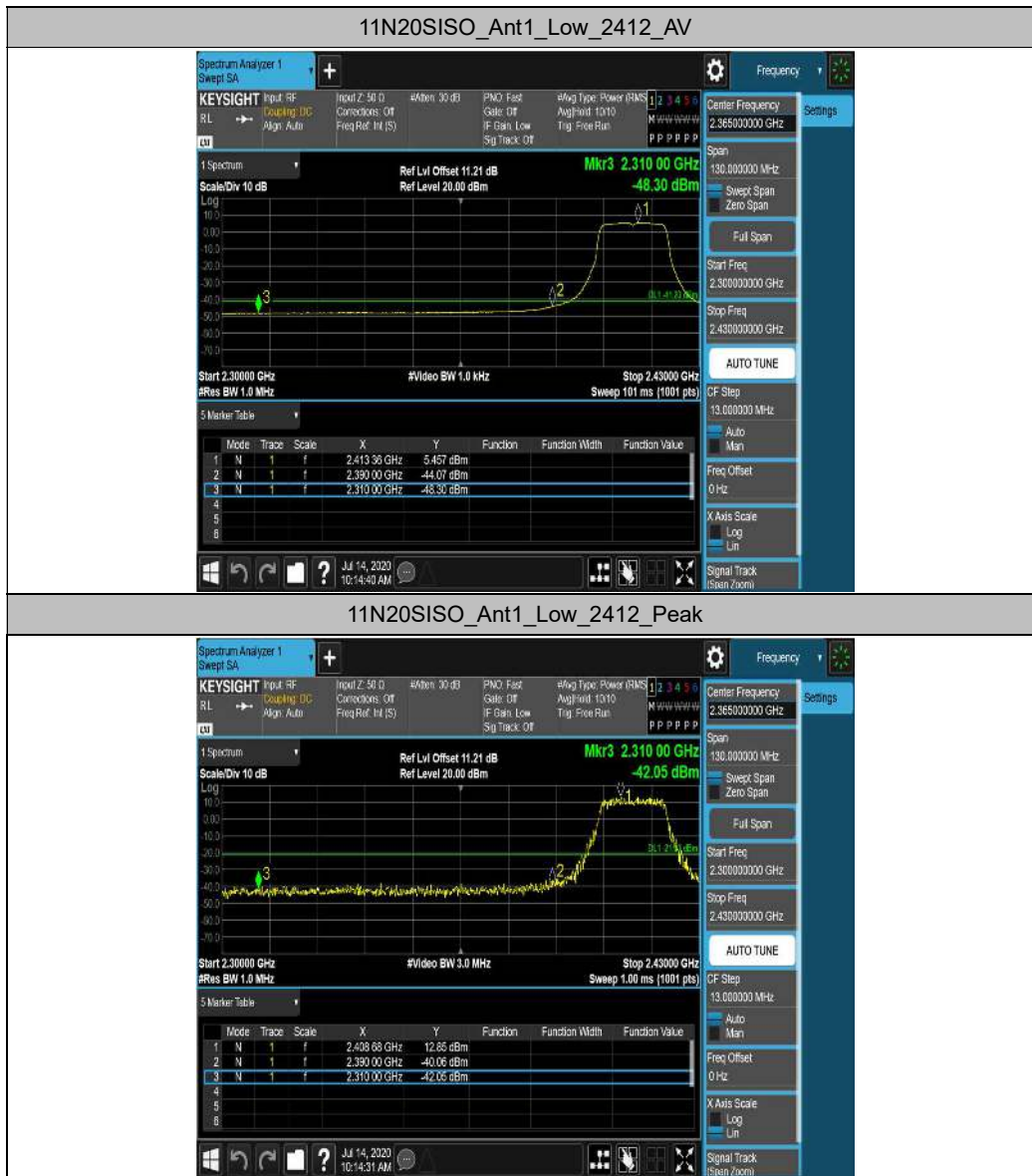
Eurofins Electrical Testing Service (Shenzhen) Co., Ltd.

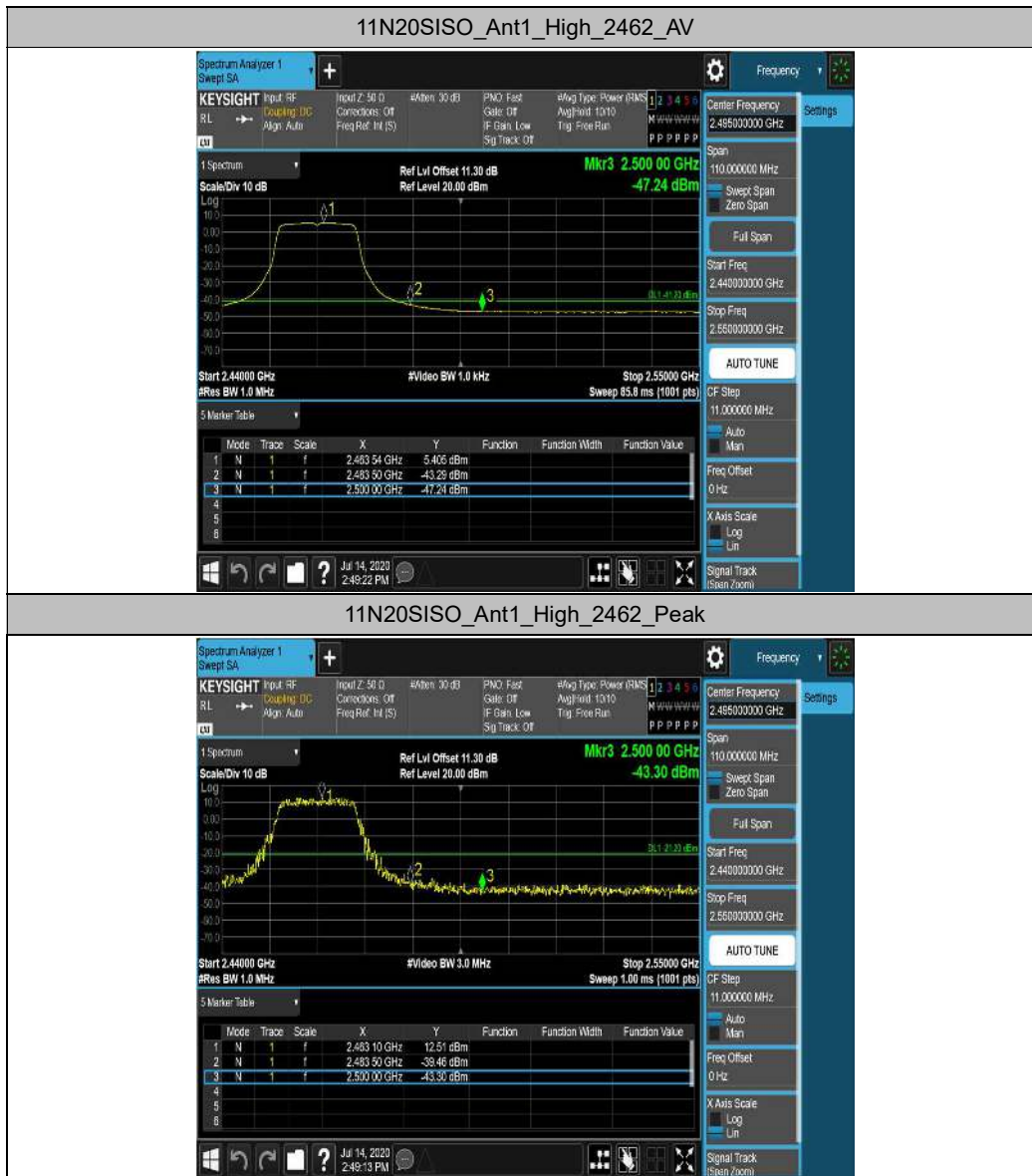
1st Floor, Building 2, Chungu, Meisheng Huigu Science and Technology Park, No. 83 Dabao Road, Bao'an District, Shenzhen. P.R.China. Telephone: +86-755-82911867, Fax : +86-755-82910749











Appendix I: Transmitter frequency stability

Test Mode	Antenna	Channel	Test Frequency	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	2411.66	2404.981	2418.951	±80% of Permitted operating frequency	PASS
		2437	2436.58	2429.975	2443.939		PASS
		2462	2461.65	2454.975	2468.951		PASS
11G	Ant1	2412	2411.84	2403.249	2420.435		PASS
		2437	2436.89	2428.347	2445.438		PASS
		2462	2462.88	2453.334	2470.438		PASS
11N20SISO	Ant1	2412	2411.97	2402.915	2421.036		PASS
		2437	2436.96	2427.884	2446.049		PASS
		2462	2461.95	2452.886	2471.029		PASS









