

10 APPENDIX

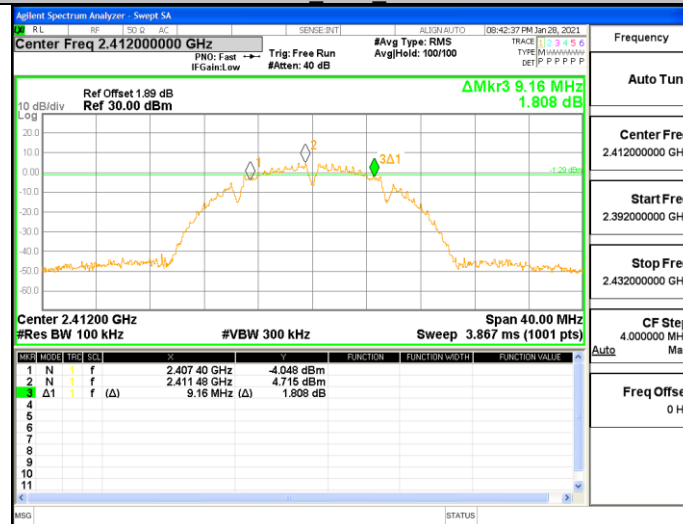
10.1 APPENDIX : DTS BANDWIDTH

Test Result

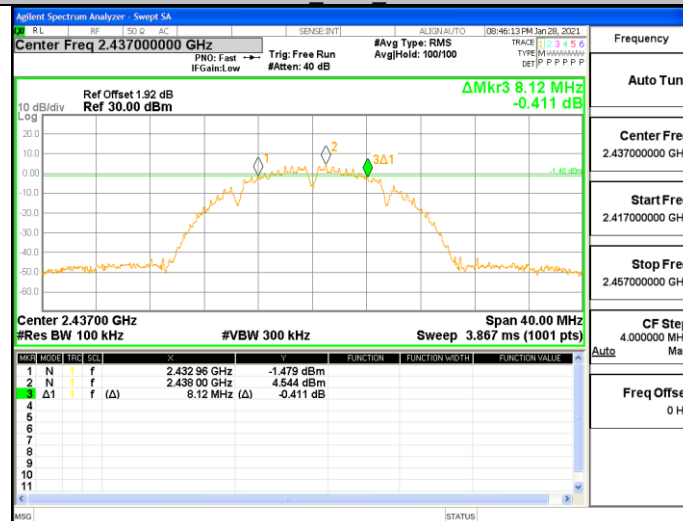
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.160	2407.400	2416.560	≥ 0.5	PASS
		2437	8.120	2432.960	2441.080	≥ 0.5	PASS
		2462	8.600	2457.440	2466.040	≥ 0.5	PASS
11G	Ant1	2412	16.440	2403.760	2420.200	≥ 0.5	PASS
		2437	16.400	2428.800	2445.200	≥ 0.5	PASS
		2462	16.400	2453.800	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	17.640	2453.160	2470.800	≥ 0.5	PASS
11N40SISO	Ant1	2422	36.160	2403.760	2439.920	≥ 0.5	PASS
		2437	36.320	2418.760	2455.080	≥ 0.5	PASS
		2452	35.760	2433.920	2469.680	≥ 0.5	PASS

Test Graphs

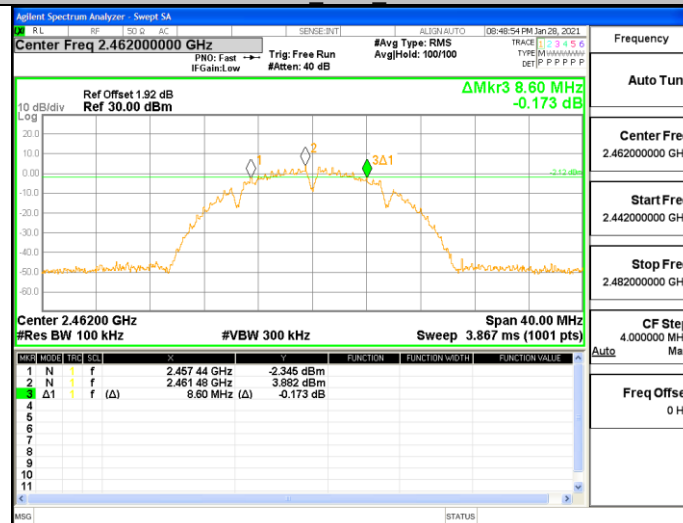
11B Ant1 2412



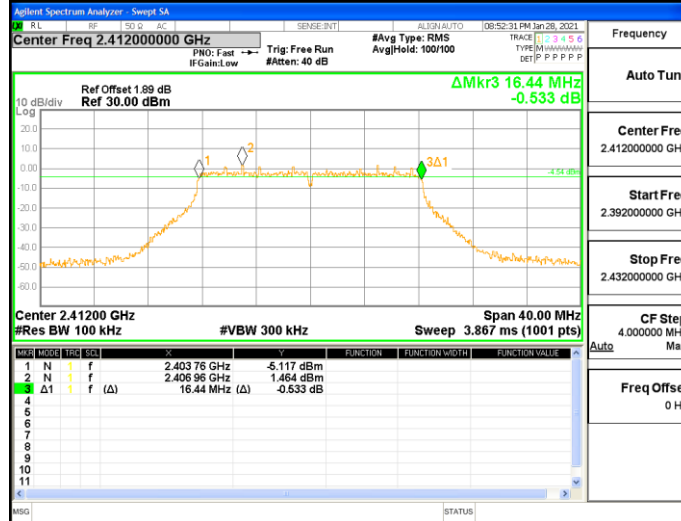
11B Ant1 2437



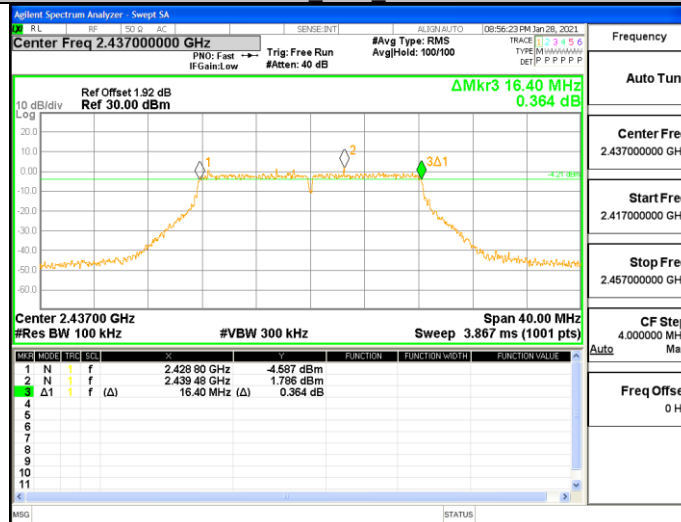
11B Ant1 2462



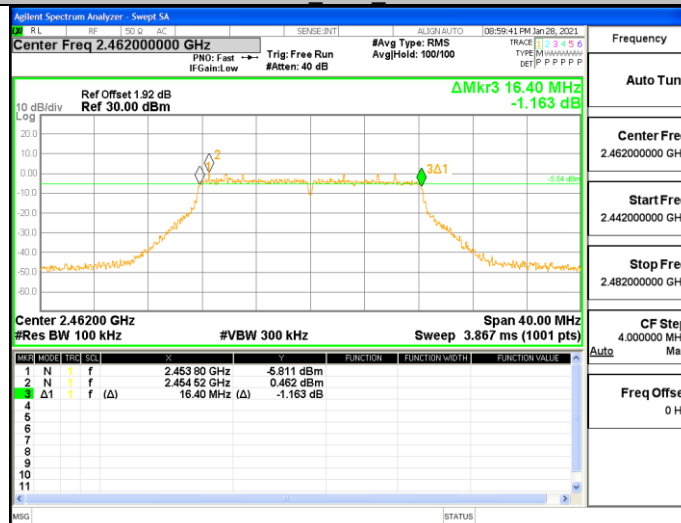
11G Ant1 2412



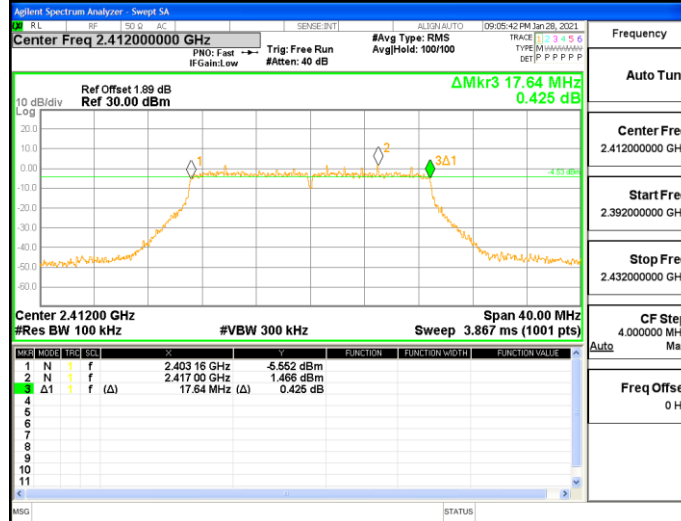
11G Ant1 2437



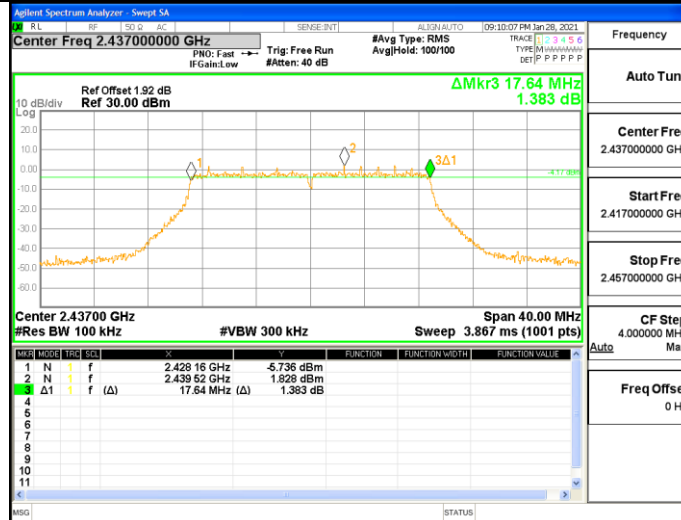
11G Ant1 2462



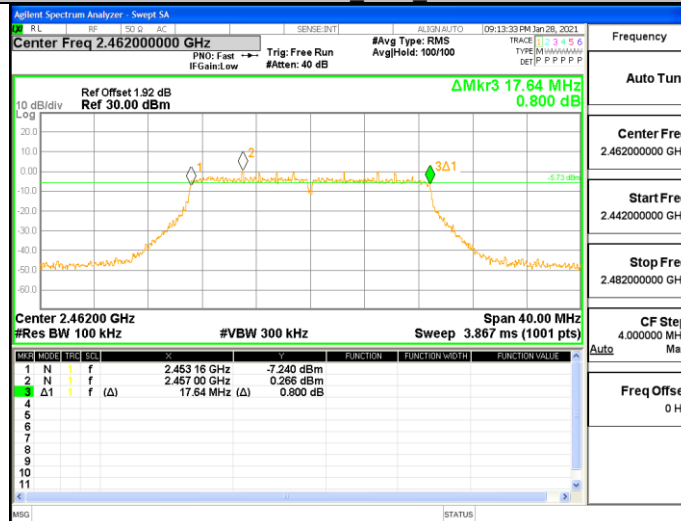
11N20SISO Ant1 2412



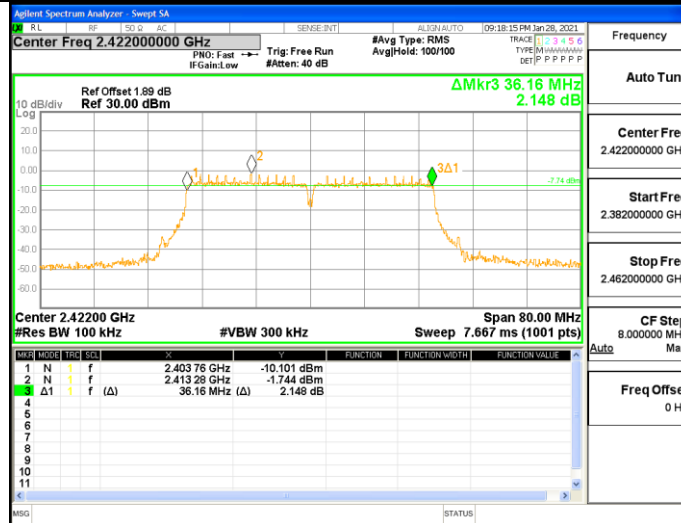
11N20SISO Ant1 2437



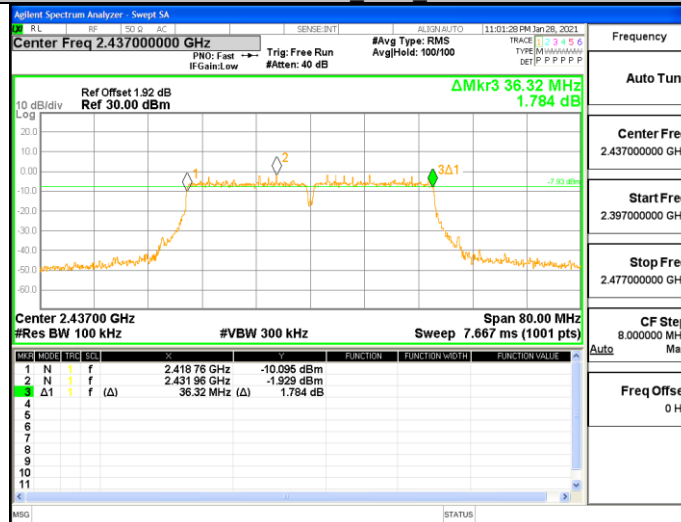
11N20SISO Ant1 2462



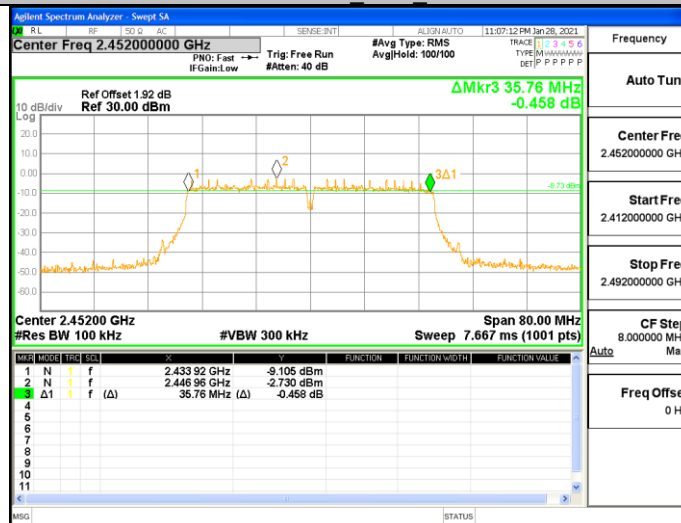
11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452



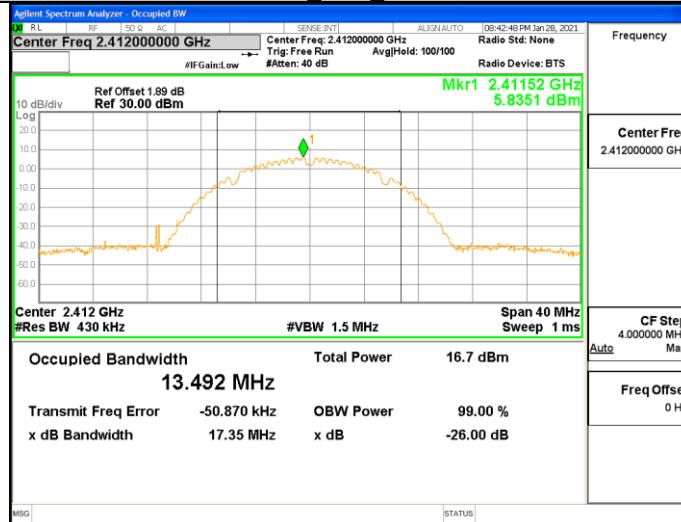
10.2 APPENDIX : OCCUPIED CHANNEL BANDWIDTH

Test Result

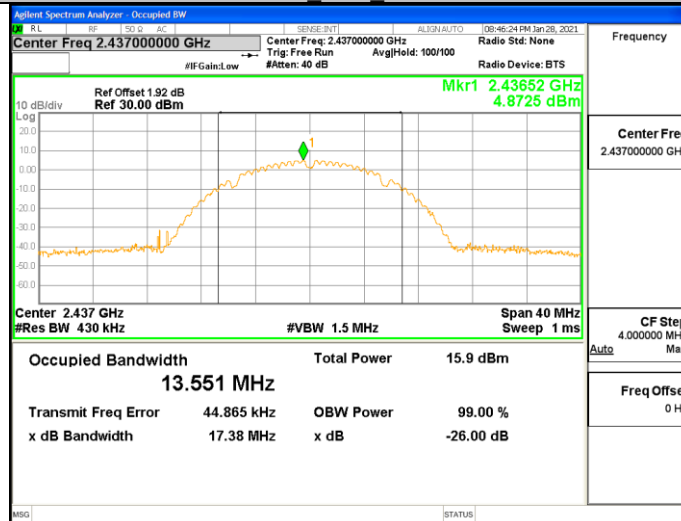
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.492	2405.203	2418.695	---	PASS
		2437	13.551	2430.269	2443.820	---	PASS
		2462	13.483	2455.199	2468.682	---	PASS
11G	Ant1	2412	16.982	2403.488	2420.470	---	PASS
		2437	17.125	2428.440	2445.565	---	PASS
		2462	17.115	2453.387	2470.502	---	PASS
11N20SISO	Ant1	2412	18.048	2402.946	2420.994	---	PASS
		2437	18.068	2427.979	2446.047	---	PASS
		2462	18.058	2452.897	2470.955	---	PASS
11N40SISO	Ant1	2422	36.459	2403.771	2440.230	---	PASS
		2437	36.423	2418.760	2455.183	---	PASS
		2452	36.276	2433.830	2470.106	---	PASS

Test Graphs

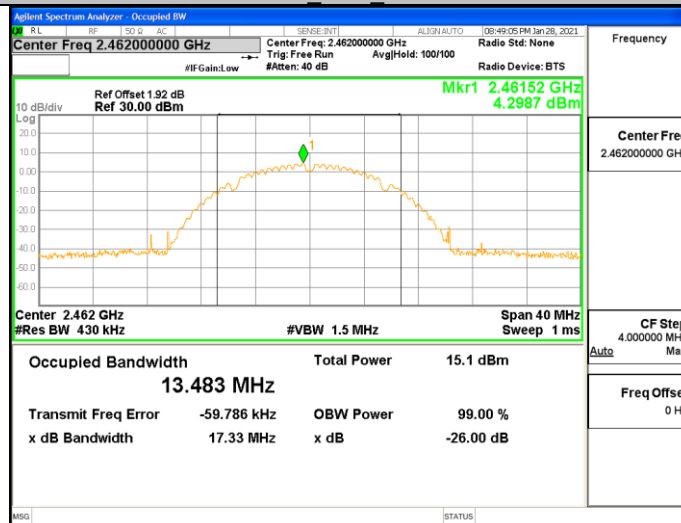
11B Ant1 2412



11B Ant1 2437

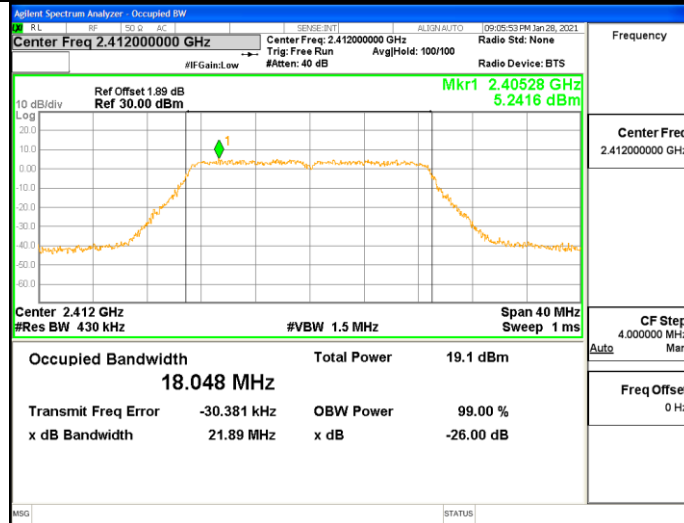


11B Ant1 2462

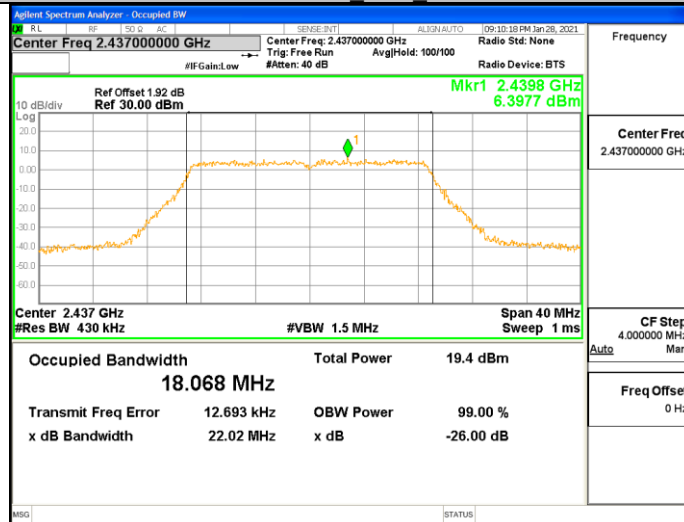




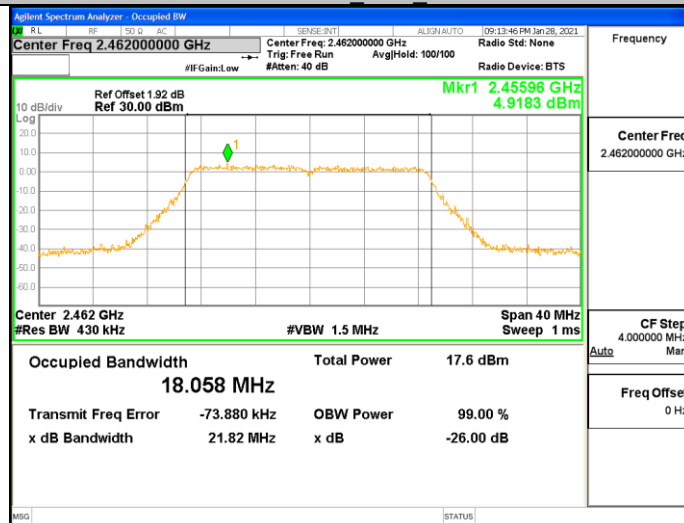
11N20SISO_Ant1_2412

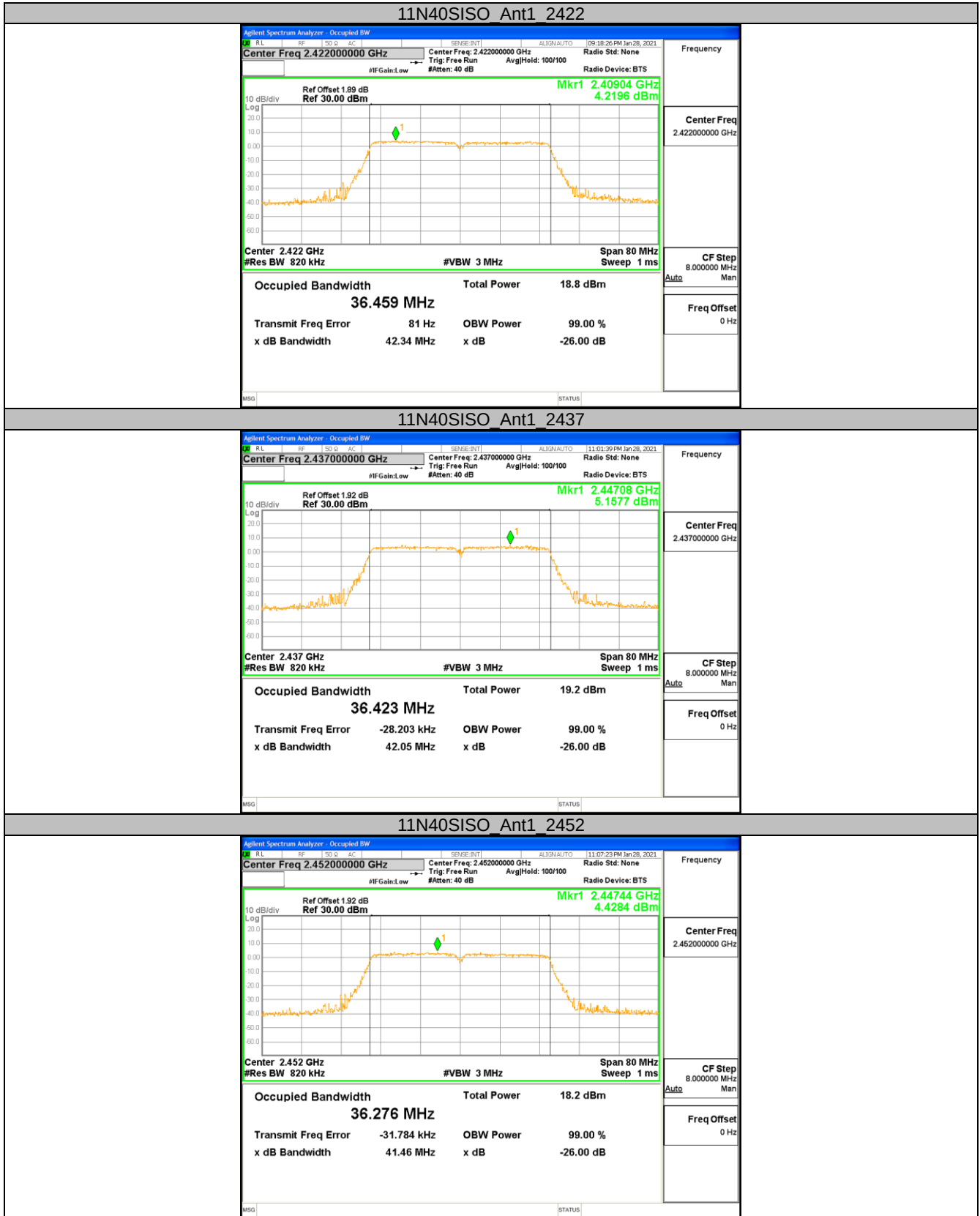


11N20SISO_Ant1_2437



11N20SISO_Ant1_2462





10.3 APPENDIX : MAXIMUM CONDUCTED OUTPUT POWER

Test Result

TestMode	Antenna	Channel	Read[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	13.48	<=30	PASS
		2437	12.80	<=30	PASS
		2462	12.02	<=30	PASS
11G	Ant1	2412	12.88	<=30	PASS
		2437	13.27	<=30	PASS
		2462	11.59	<=30	PASS
11N20SISO	Ant1	2412	12.73	<=30	PASS
		2437	13.60	<=30	PASS
		2462	11.60	<=30	PASS
11N40SISO	Ant1	2422	12.20	<=30	PASS
		2437	10.82	<=30	PASS
		2452	11.82	<=30	PASS

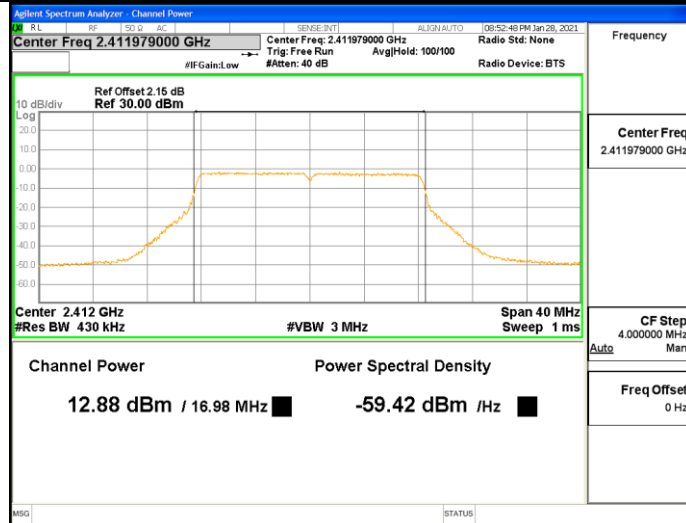
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	13.517	<=30	PASS
		2437	12.863	<=30	PASS
		2462	12.099	<=30	PASS
11G	Ant1	2412	13.128	<=30	PASS
		2437	13.637	<=30	PASS
		2462	11.868	<=30	PASS
11N20SISO	Ant1	2412	12.963	<=30	PASS
		2437	14.146	<=30	PASS
		2462	12.054	<=30	PASS
11N40SISO	Ant1	2422	13.183	<=30	PASS
		2437	11.519	<=30	PASS
		2452	13.783	<=30	PASS

Note: Dutycycle fator= $[10 \log (1 / D)]$
Result = Read + Dutycycle fator

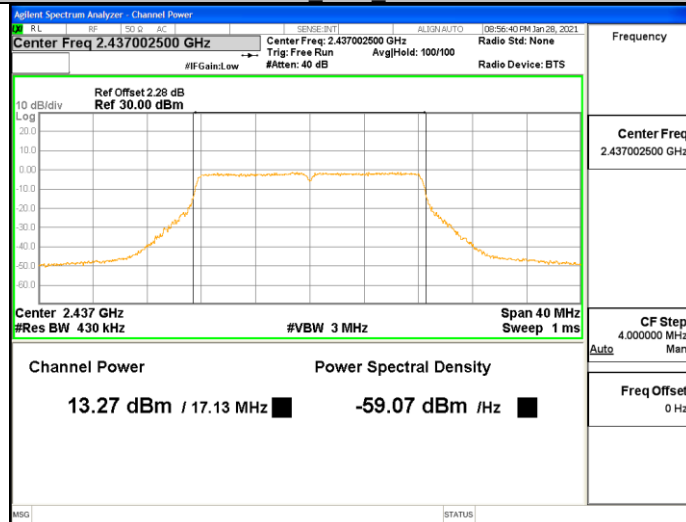
Test Graphs



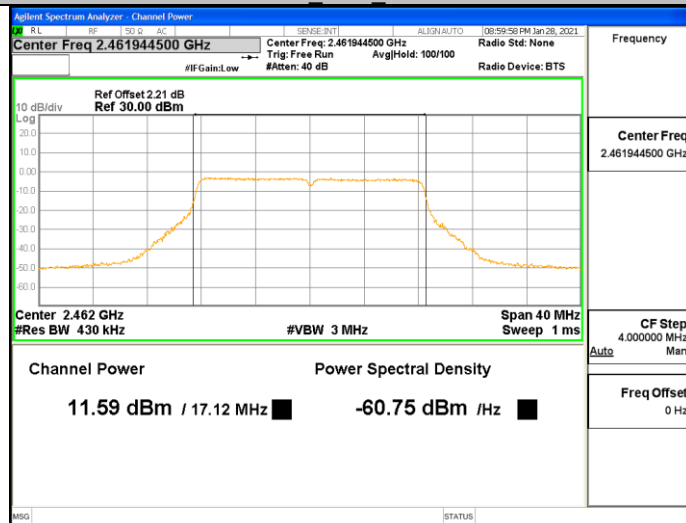
11G Ant1 2412



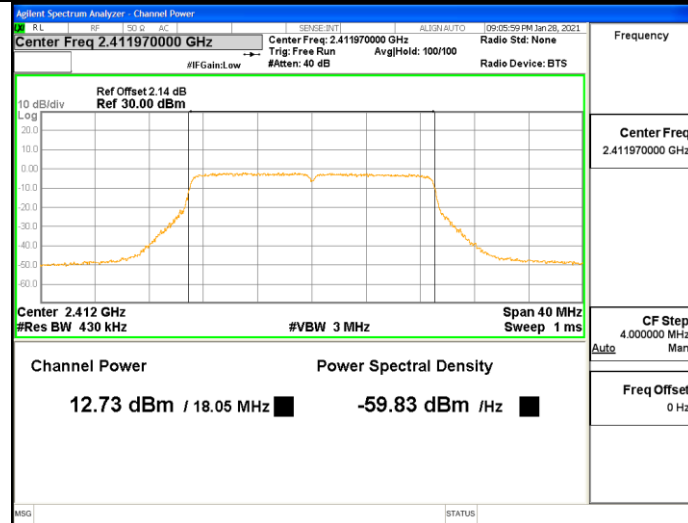
11G Ant1 2437



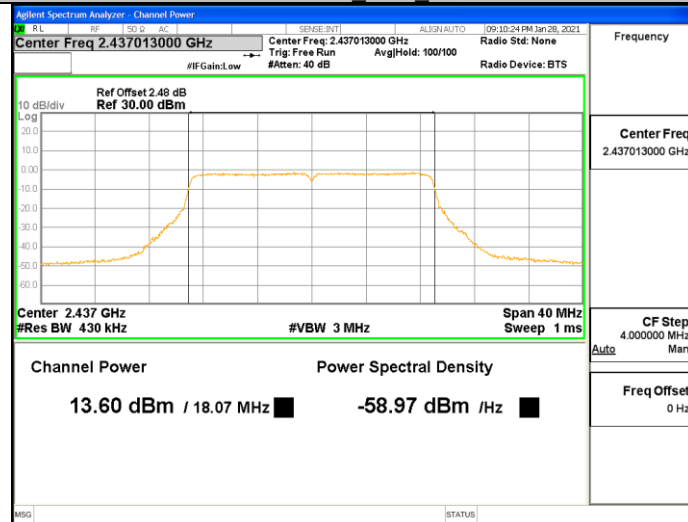
11G Ant1 2462



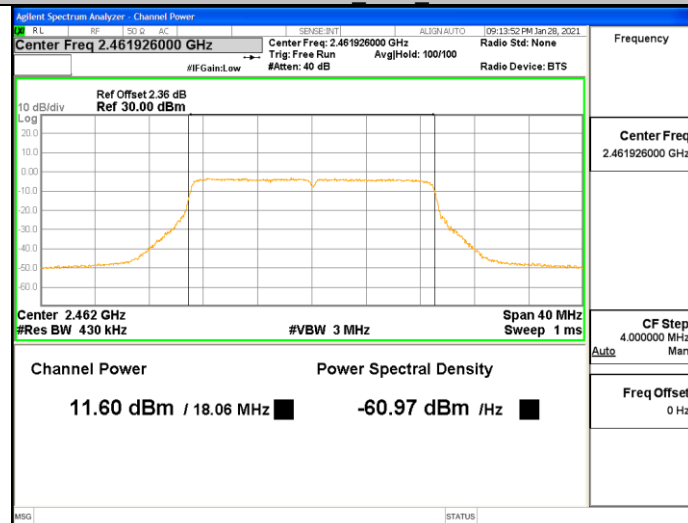
11N20SISO_Ant1_2412



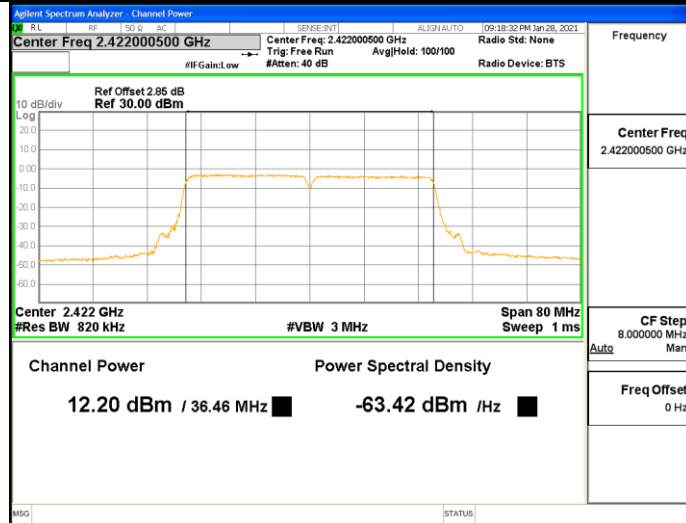
11N20SISO_Ant1_2437



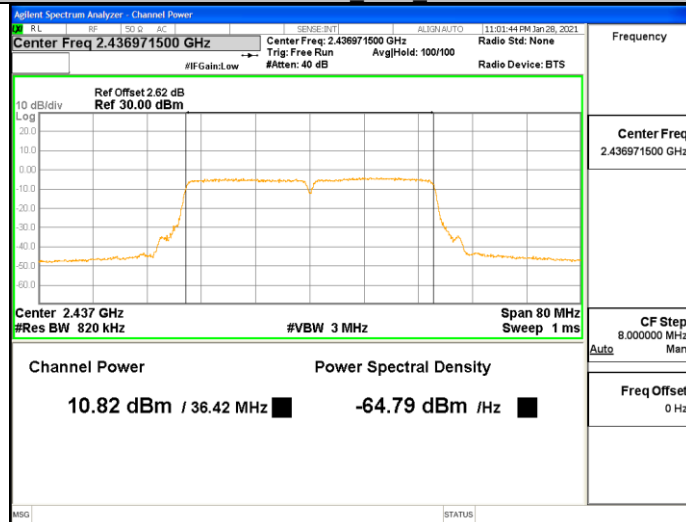
11N20SISO_Ant1_2462



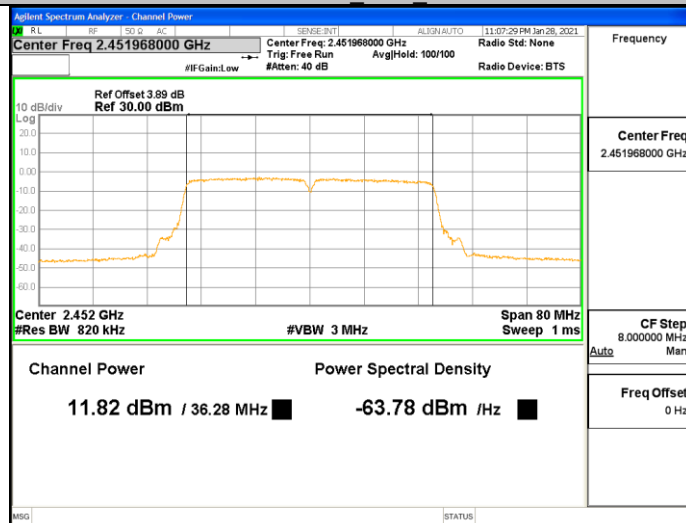
11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452

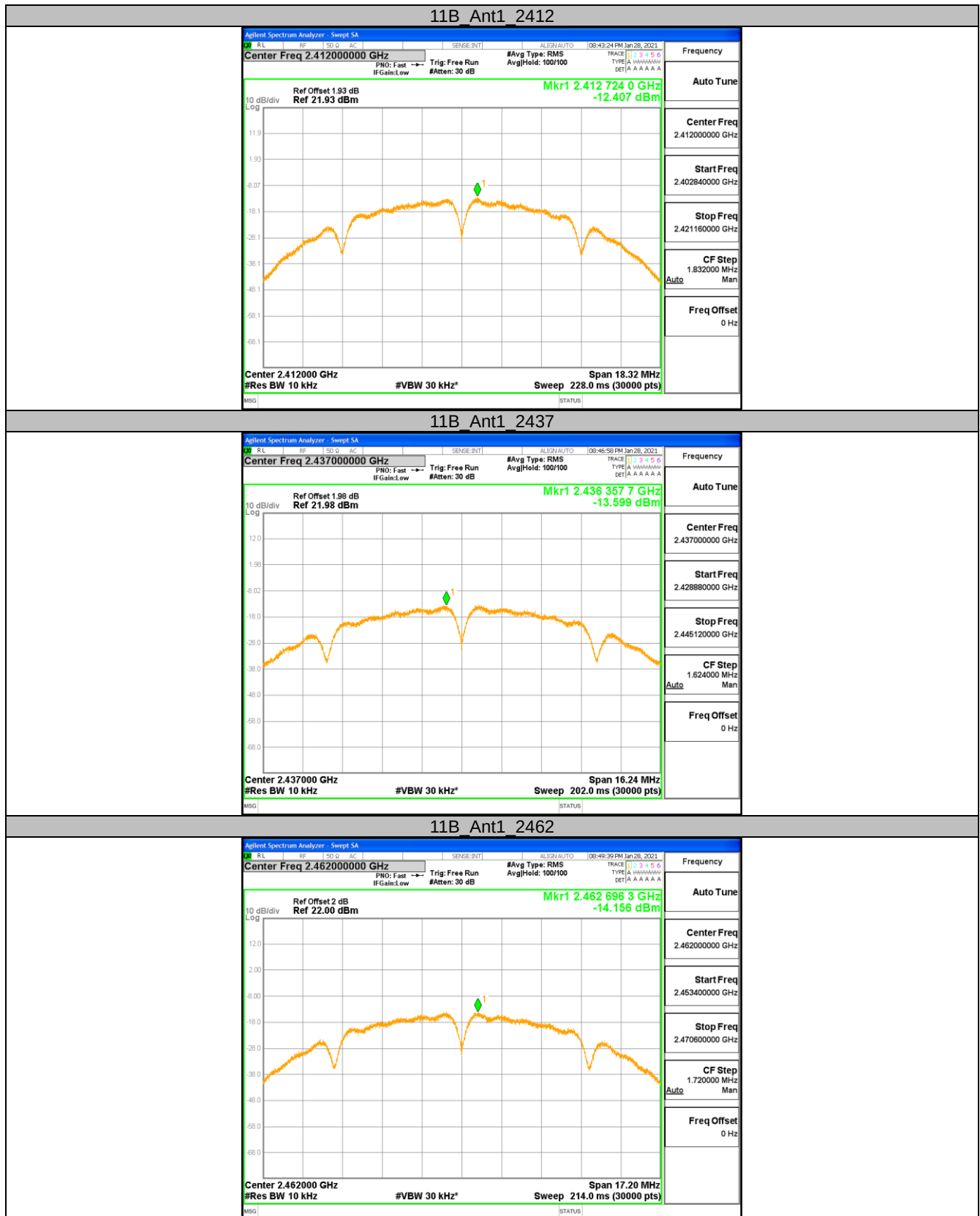


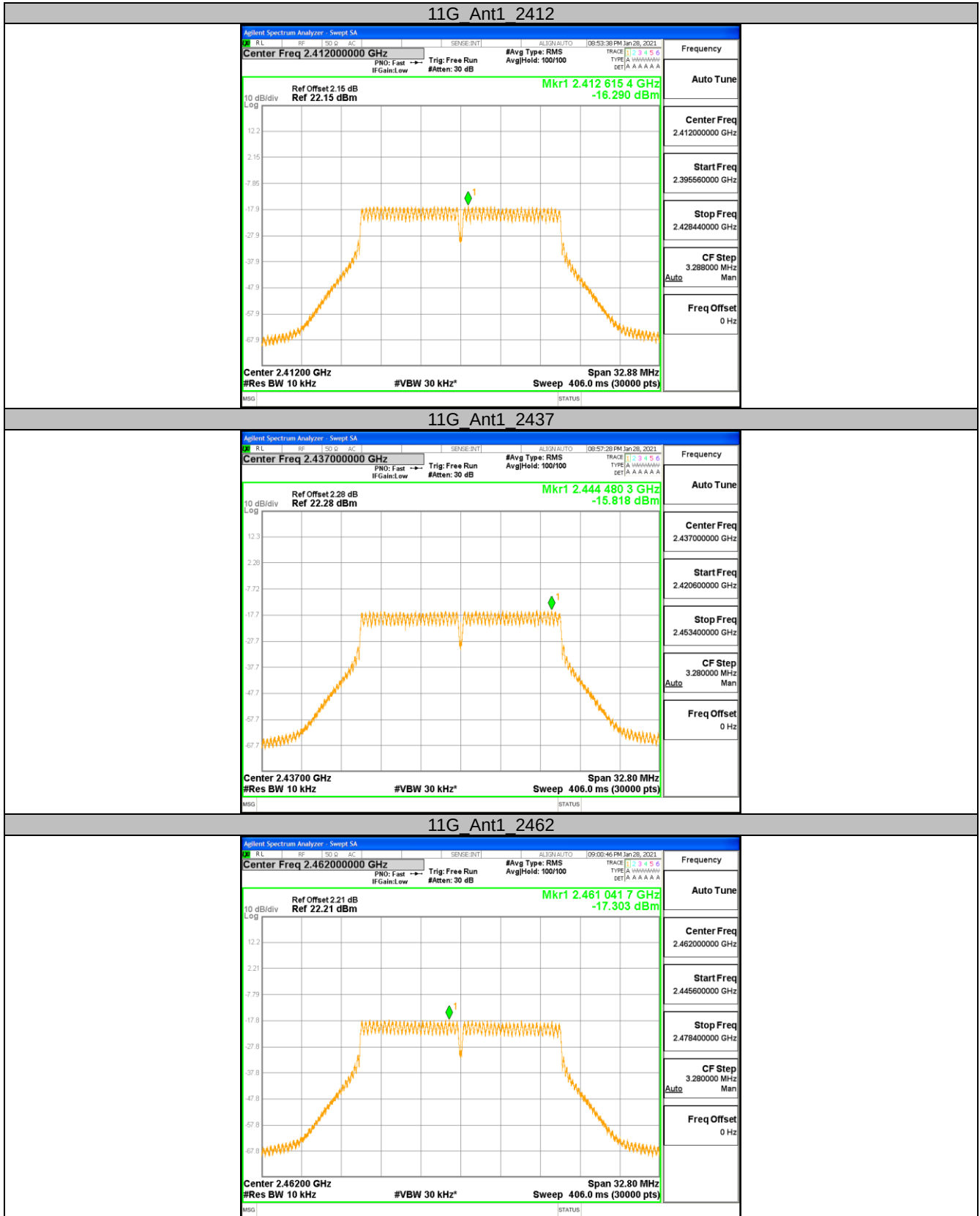
10.4 APPENDIX : MAXIMUM POWER SPECTRAL DENSITY

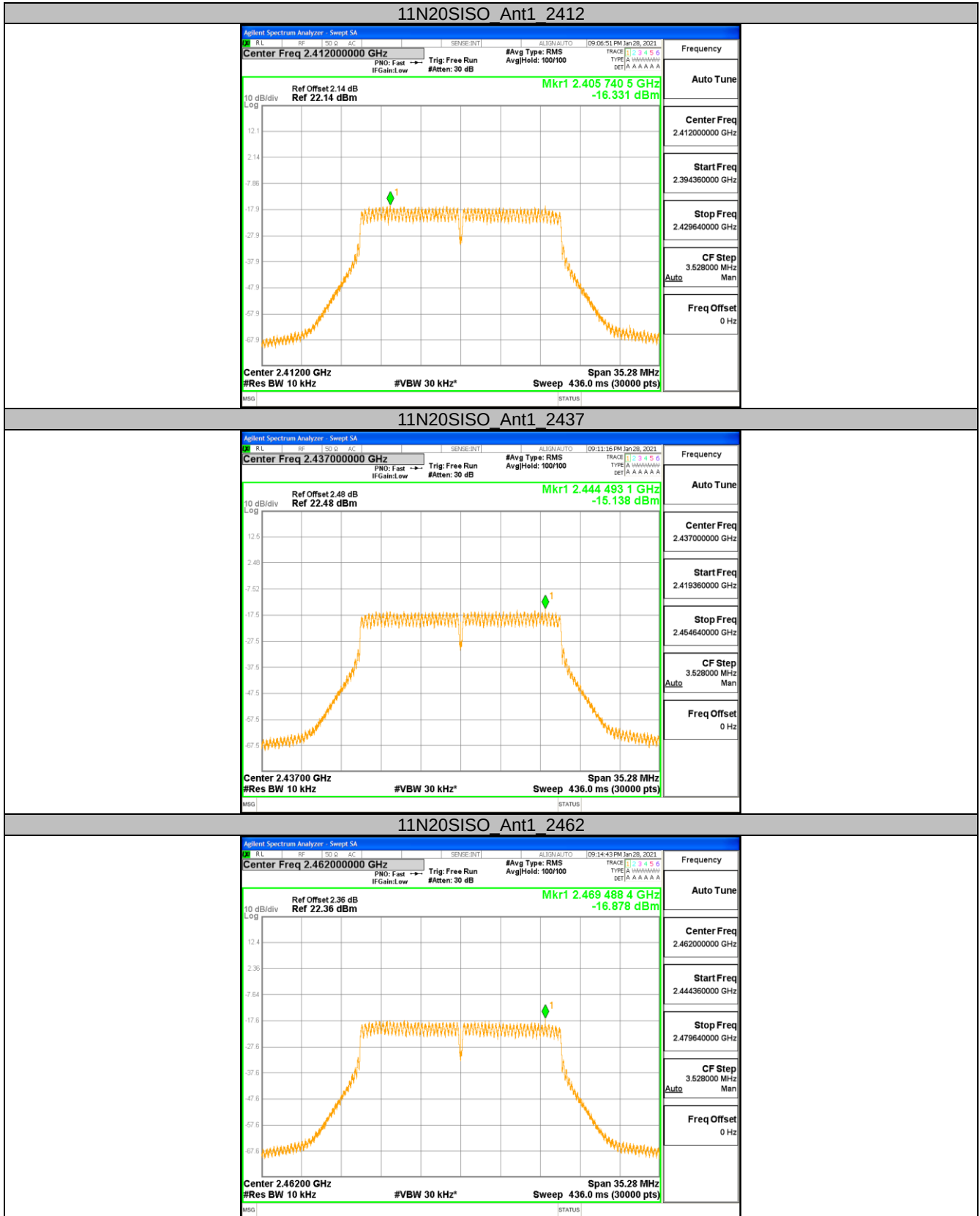
Test Result

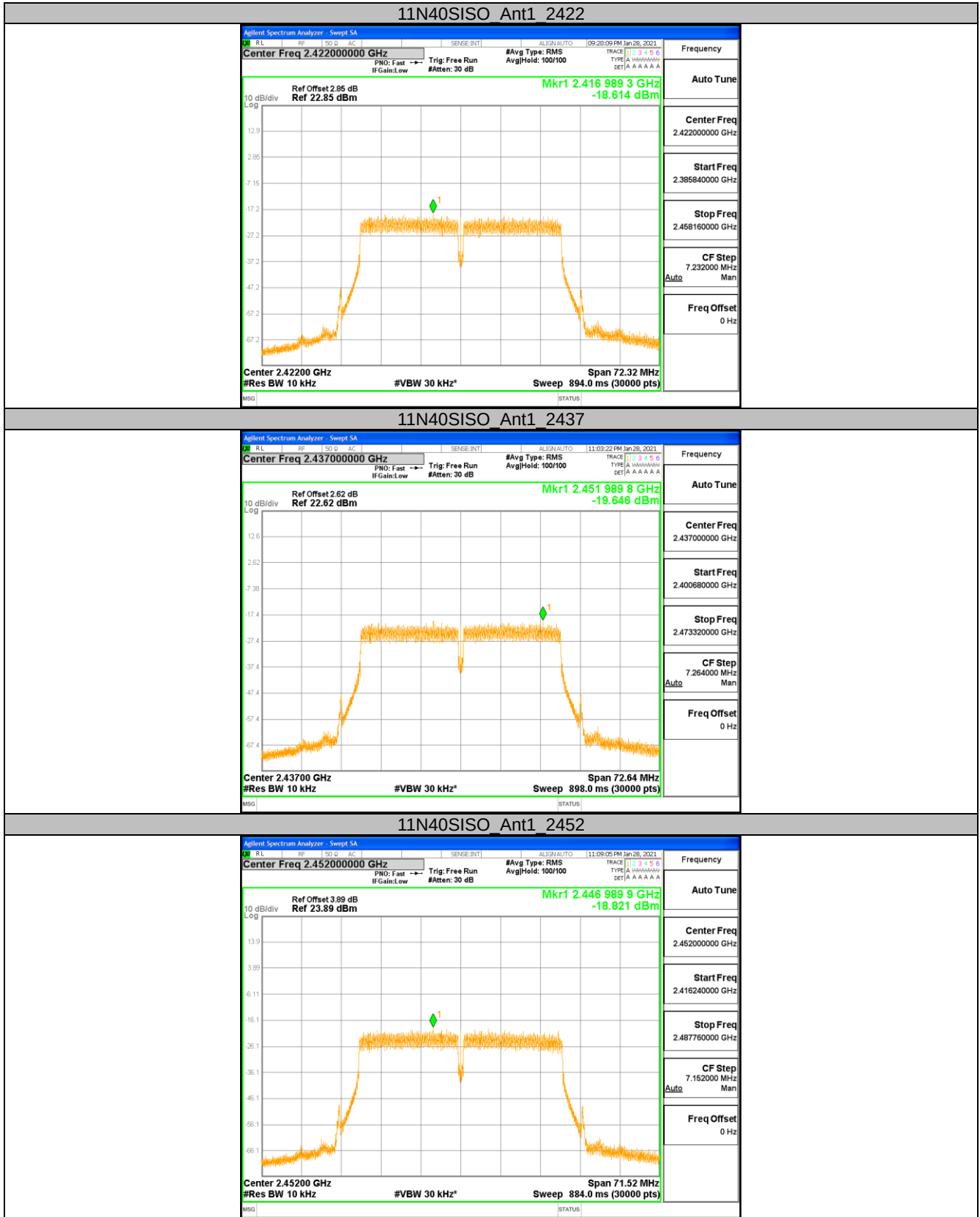
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-12.41	<=8	PASS
		2437	-13.6	<=8	PASS
		2462	-14.16	<=8	PASS
11G	Ant1	2412	-16.29	<=8	PASS
		2437	-15.82	<=8	PASS
		2462	-17.3	<=8	PASS
11N20SISO	Ant1	2412	-16.33	<=8	PASS
		2437	-15.14	<=8	PASS
		2462	-16.88	<=8	PASS
11N40SISO	Ant1	2422	-18.61	<=8	PASS
		2437	-19.65	<=8	PASS
		2452	-18.82	<=8	PASS

Test Graphs









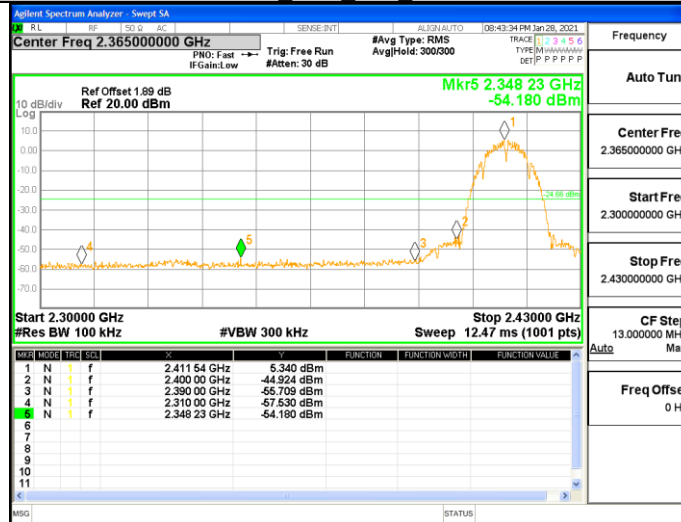
10.5 APPENDIX : BAND EDGE MEASUREMENTS

Test Result

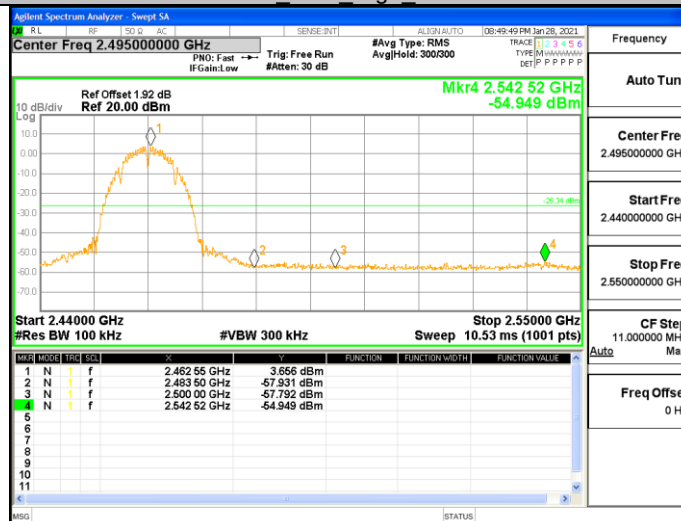
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.34	-54.18	<=-24.66	PASS
		High	2462	3.66	-54.95	<=-26.34	PASS
11G	Ant1	Low	2412	1.84	-51.63	<=-28.16	PASS
		High	2462	0.29	-53.32	<=-29.71	PASS
11N20SISO	Ant1	Low	2412	1.79	-51.47	<=-28.21	PASS
		High	2462	0.40	-53.73	<=-29.6	PASS
11N40SISO	Ant1	Low	2422	-1.91	-50.19	<=-31.91	PASS
		High	2452	-2.68	-48.42	<=-32.68	PASS

Test Graphs

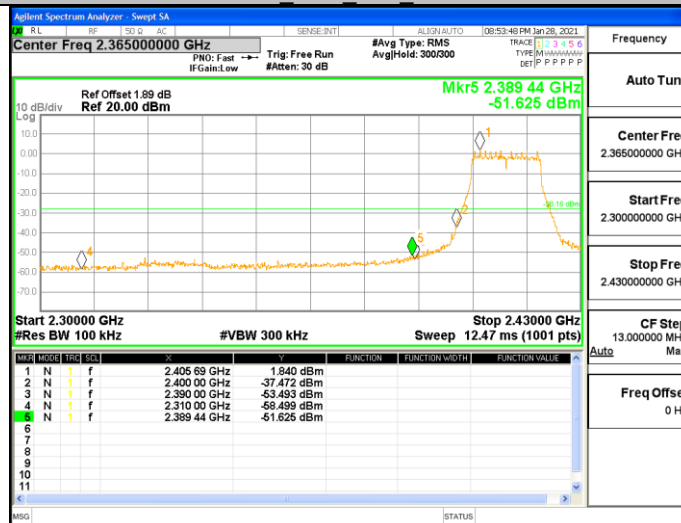
11B Ant1 Low 2412



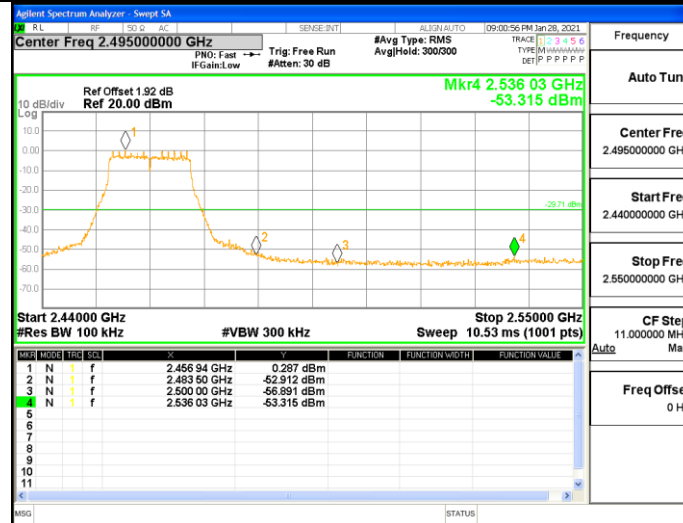
11B Ant1 High 2462



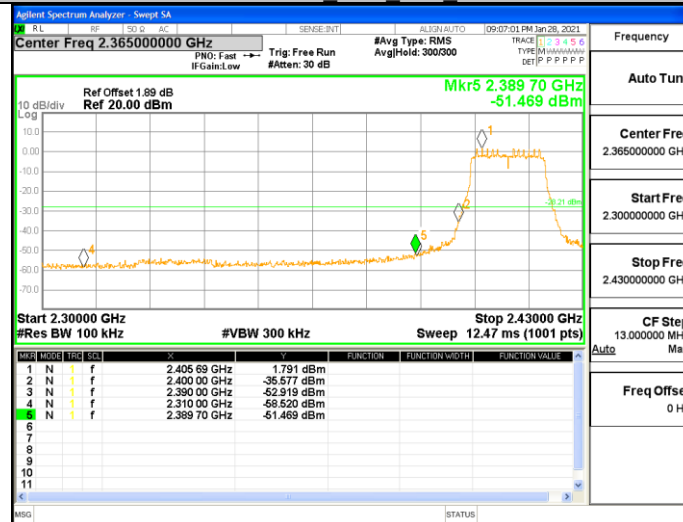
11G Ant1 Low 2412



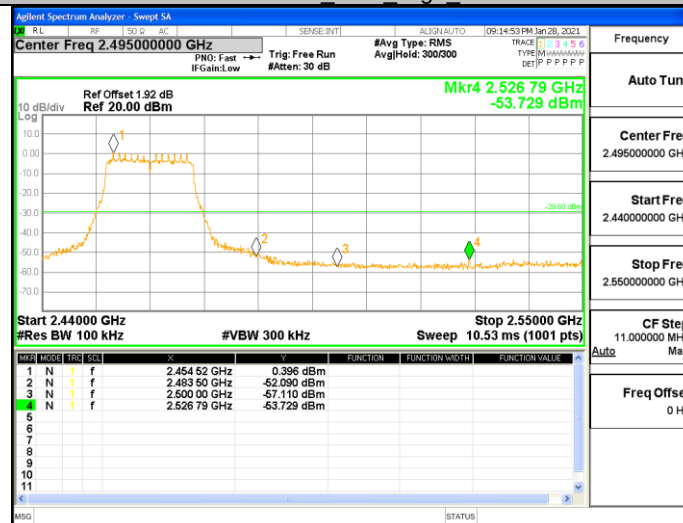
11G Ant1 High 2462

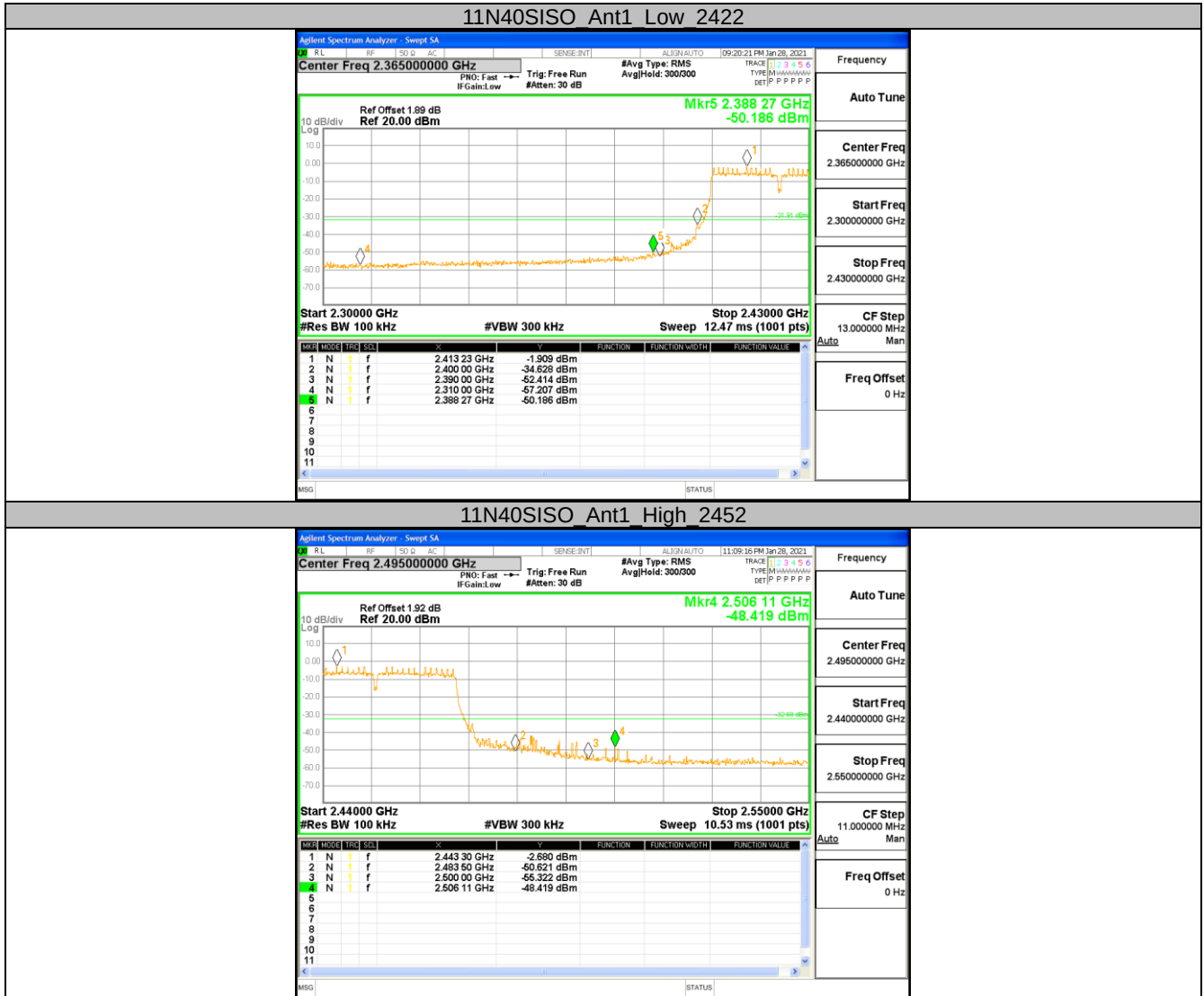


11N20SISO Ant1 Low 2412



11N20SISO Ant1 High 2462





10.6 APPENDIX : CONDUCTED SPURIOUS EMISSION

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.46	4.46	---	PASS
			30~1000	30~1000	-67.17	<=-25.545	PASS
			1000~26500	1000~26500	-47.434	<=-25.545	PASS
		2437	Reference	4.61	4.61	---	PASS
			30~1000	30~1000	-67.415	<=-25.388	PASS
			1000~26500	1000~26500	-48.817	<=-25.388	PASS
		2462	Reference	3.30	3.30	---	PASS
			30~1000	30~1000	-67.559	<=-26.702	PASS
			1000~26500	1000~26500	-51.087	<=-26.702	PASS
11G	Ant1	2412	Reference	1.74	1.74	---	PASS
			30~1000	30~1000	-67.311	<=-28.256	PASS
			1000~26500	1000~26500	-53.734	<=-28.256	PASS
		2437	Reference	1.93	1.93	---	PASS
			30~1000	30~1000	-67.058	<=-28.072	PASS
			1000~26500	1000~26500	-53.45	<=-28.072	PASS
		2462	Reference	0.35	0.35	---	PASS
			30~1000	30~1000	-67.129	<=-29.649	PASS
			1000~26500	1000~26500	-53.584	<=-29.649	PASS
11N20SISO	Ant1	2412	Reference	1.30	1.30	---	PASS
			30~1000	30~1000	-65.927	<=-28.696	PASS
			1000~26500	1000~26500	-53.658	<=-28.696	PASS
		2437	Reference	1.20	1.20	---	PASS
			30~1000	30~1000	-67.018	<=-28.799	PASS
			1000~26500	1000~26500	-53.46	<=-28.799	PASS
		2462	Reference	0.44	0.44	---	PASS
			30~1000	30~1000	-66.507	<=-29.56	PASS
			1000~26500	1000~26500	-53.97	<=-29.56	PASS
11N40SISO	Ant1	2422	Reference	-2.20	-2.20	---	PASS
			30~1000	30~1000	-63.8	<=-32.196	PASS
			1000~26500	1000~26500	-53.218	<=-32.196	PASS
		2437	Reference	-2.09	-2.09	---	PASS
			30~1000	30~1000	-64.576	<=-32.089	PASS
			1000~26500	1000~26500	-53.133	<=-32.089	PASS
		2452	Reference	-3.00	-3.00	---	PASS
			30~1000	30~1000	-65.949	<=-33.002	PASS
			1000~26500	1000~26500	-54.238	<=-33.002	PASS