Appendix A

RF Test Data for 2.4G WIFI (Conducted Measurement)

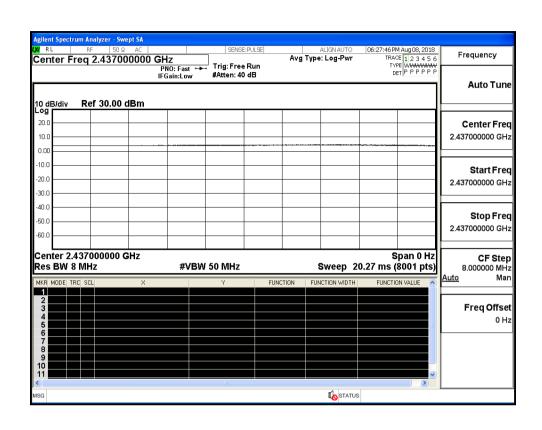
Product Name: Smart Power Strip
Trade Mark: Xenon/Jinvoo
Test Model: SM-SO306

Environmental Conditions

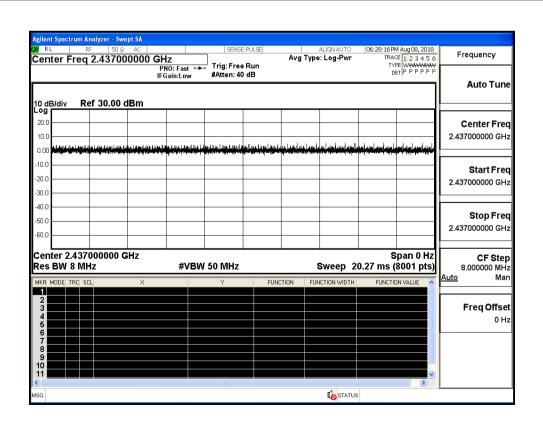
	Temperature:	24.2 ° C
Relative Humidity: ATM Pressure: Test Engineer:		52.6%
		100.0 kPa
		Wilson Hong
	Supervised by:	Jayden.Zhuo

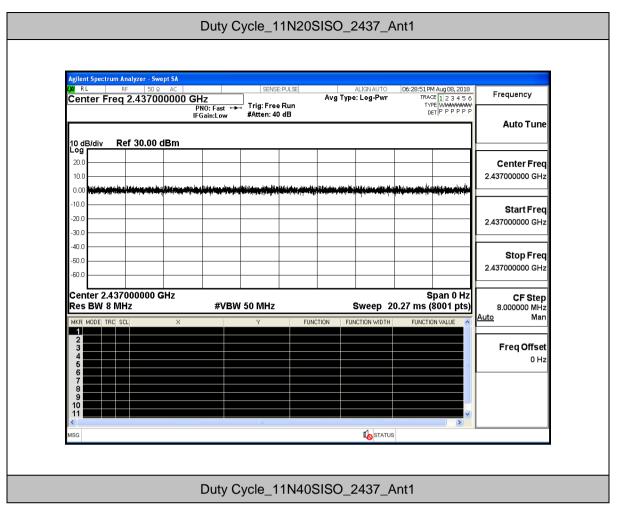
A.1 Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant1	100	PASS
11G	2437	Ant1	100	PASS
11N20SISO	2437	Ant1	100	PASS



Duty Cycle_11G_2437_Ant1



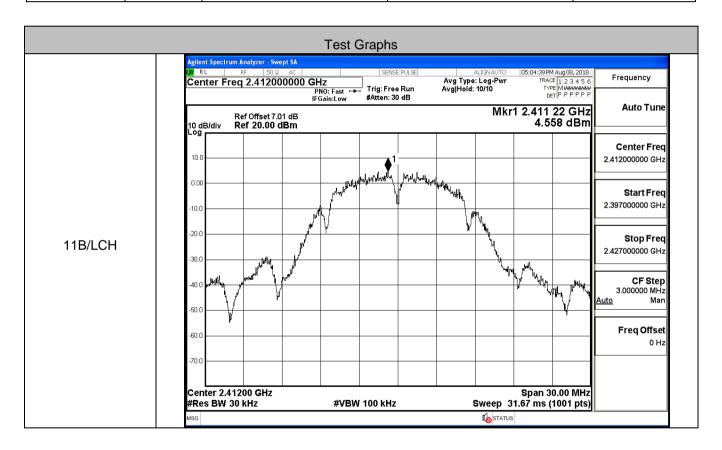


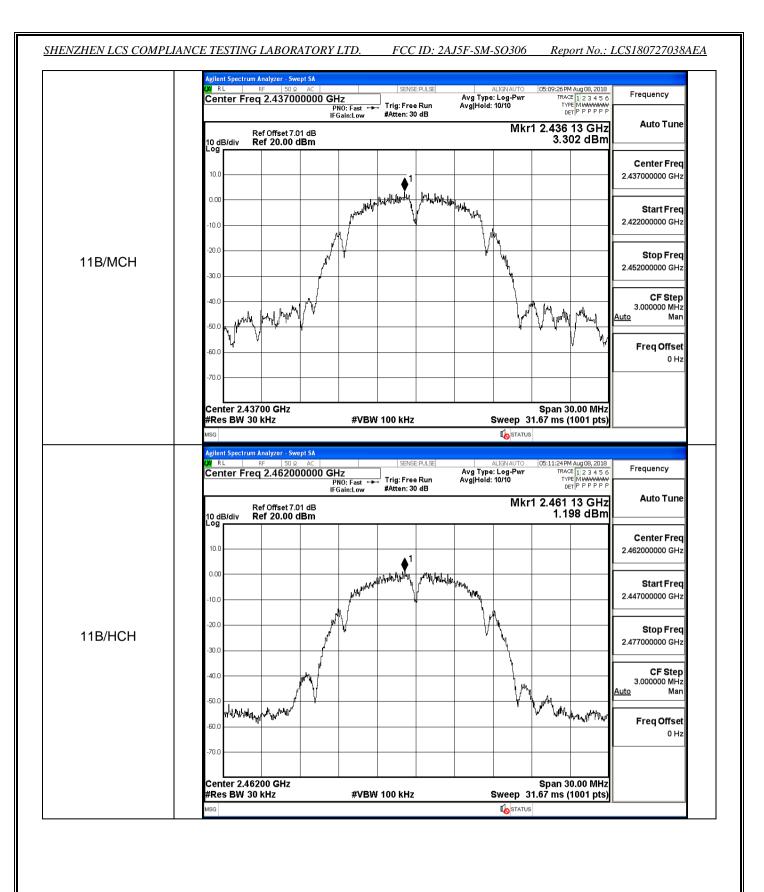
A.2 Maximum Conducted Output Power

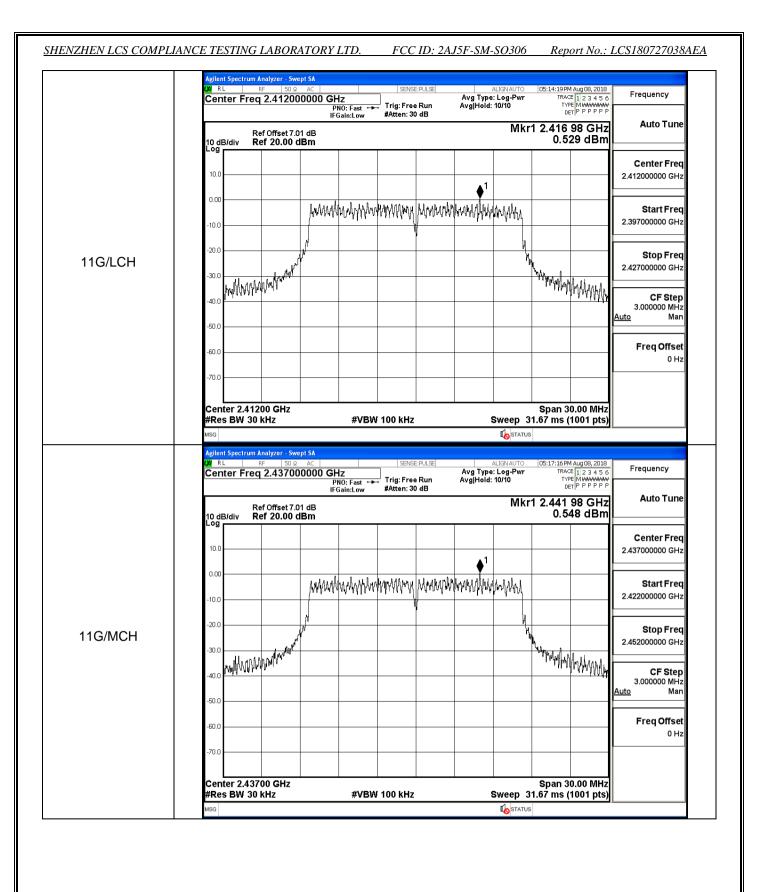
Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
	LCH	20.23	30	PASS
11B	MCH	18.37	30	PASS
	HCH	16.56	30	PASS
	LCH	23.40	30	PASS
11G	MCH	23.33	30	PASS
	HCH	18.55	30	PASS
	LCH	23.33	30	PASS
11N20SISO	MCH	23.11	30	PASS
	HCH	18.41	30	PASS

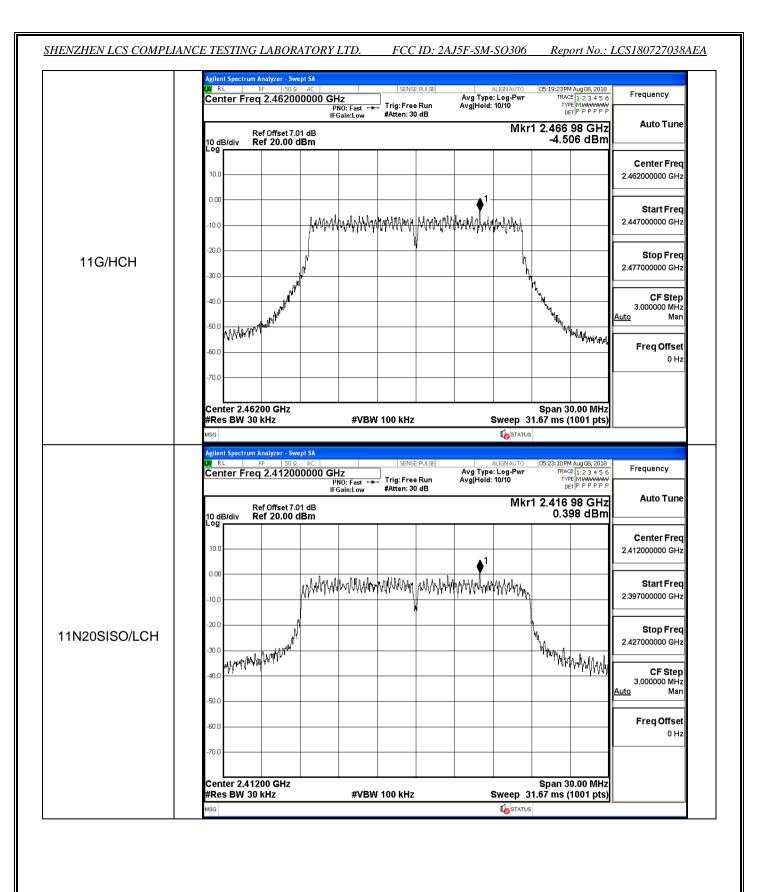
A.3 Maximum Power Spectral Density

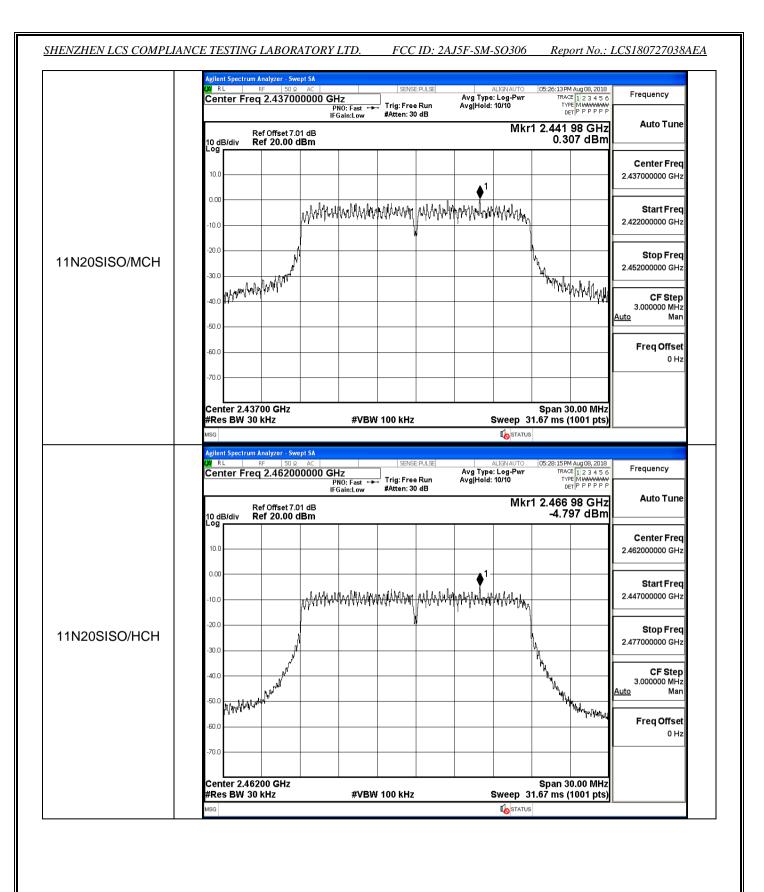
Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
	LCH	4.558	8	PASS
11B	MCH	3.302	8	PASS
	HCH	1.198	8	PASS
	LCH	0.529	8	PASS
11G	MCH	0.548	8	PASS
	HCH	-4.506	8	PASS
	LCH	0.398	8	PASS
11N20SISO	N20SISO MCH 0.307		8	PASS
	HCH	-4.797	8	PASS





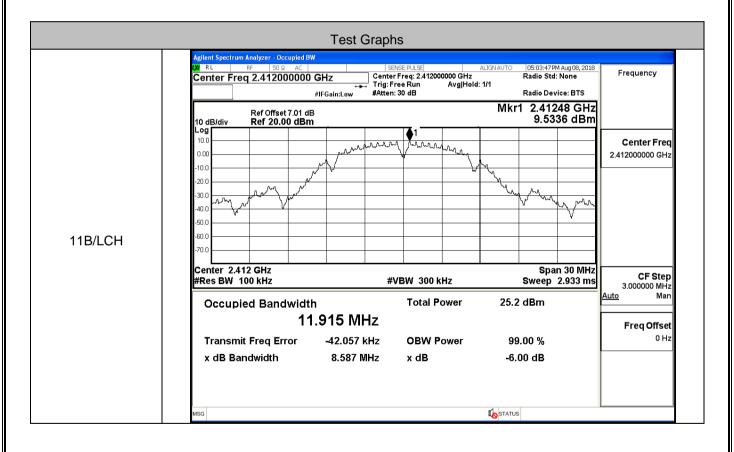






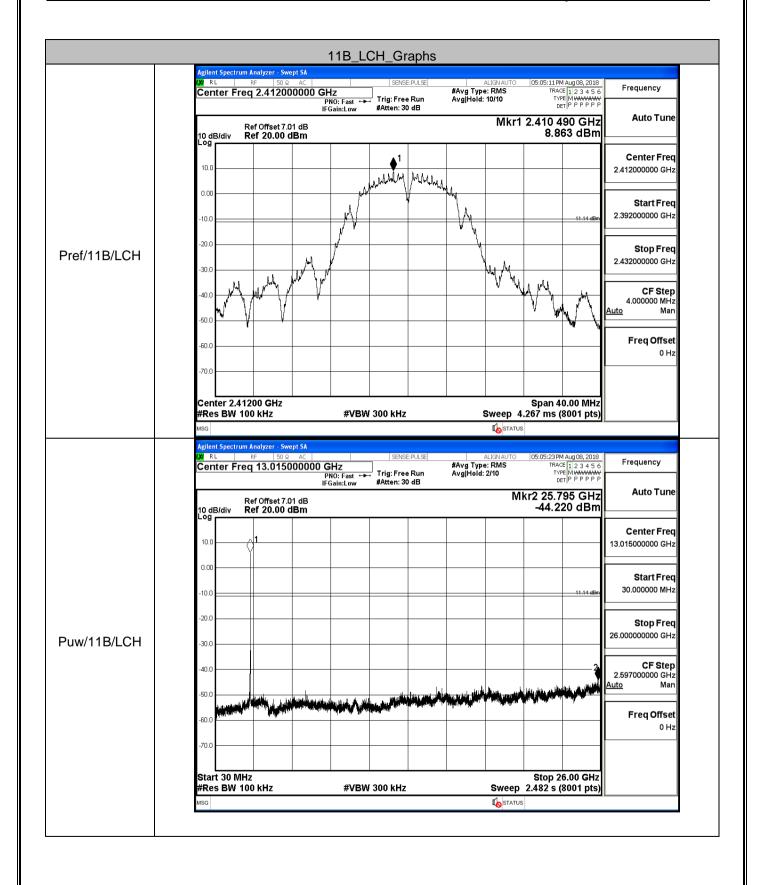
A.4 6dB Bandwidth

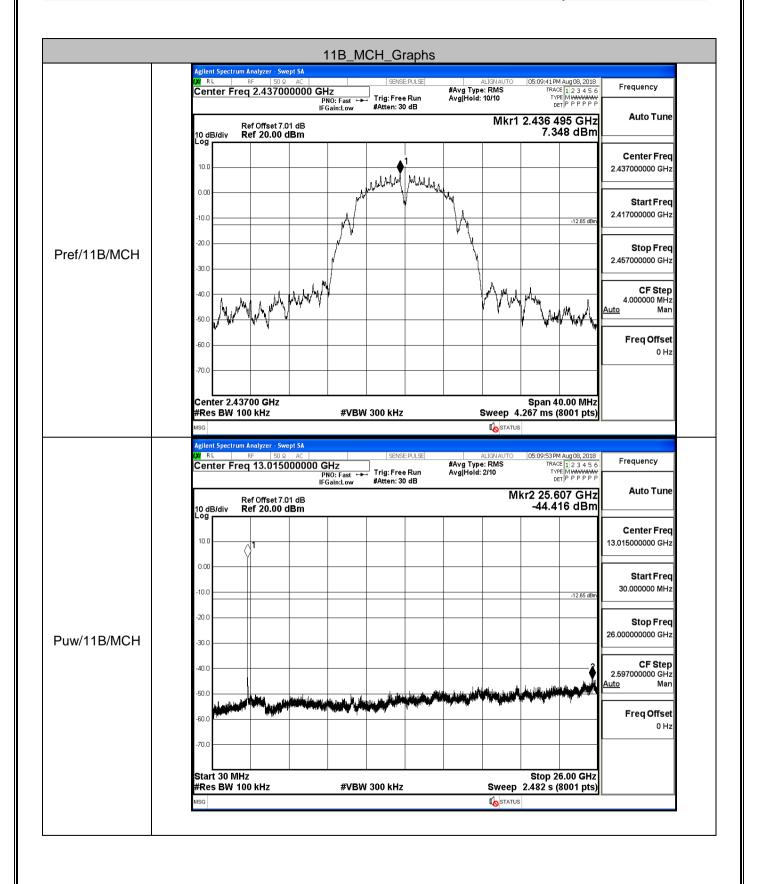
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	8.587	≥0.5	PASS
11B	MCH	9.041	≥0.5	PASS
	HCH	8.595	≥0.5	PASS
	LCH	16.11	≥0.5	PASS
11G	MCH	16.33	≥0.5	PASS
	HCH	16.36	≥0.5	PASS
	LCH	16.56	≥0.5	PASS
11N20SISO	MCH	16.32	≥0.5	PASS
	HCH	16.69	≥0.5	PASS

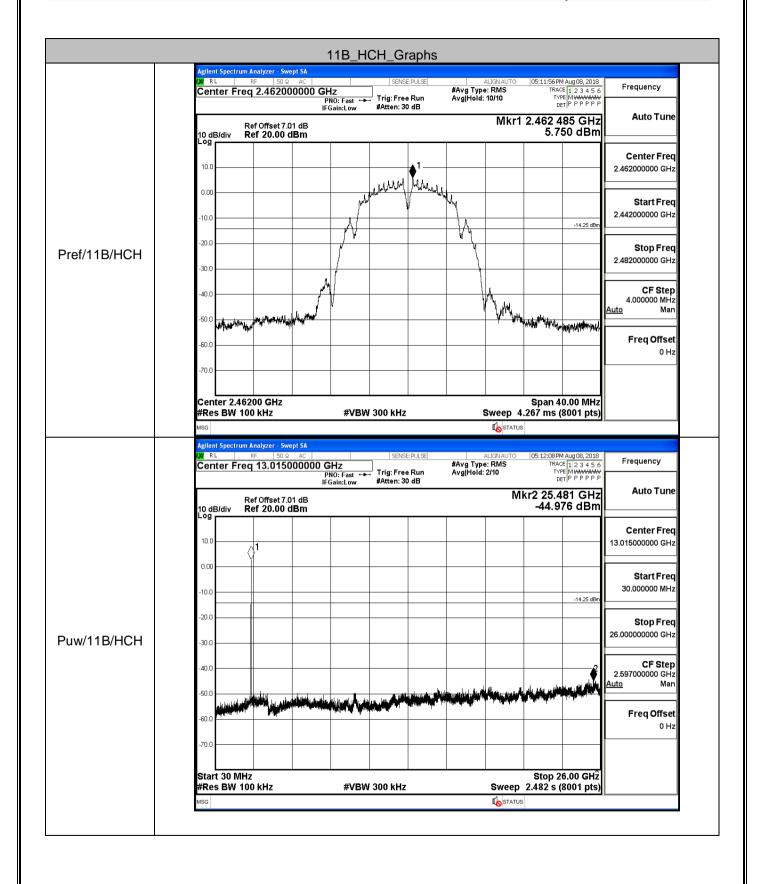


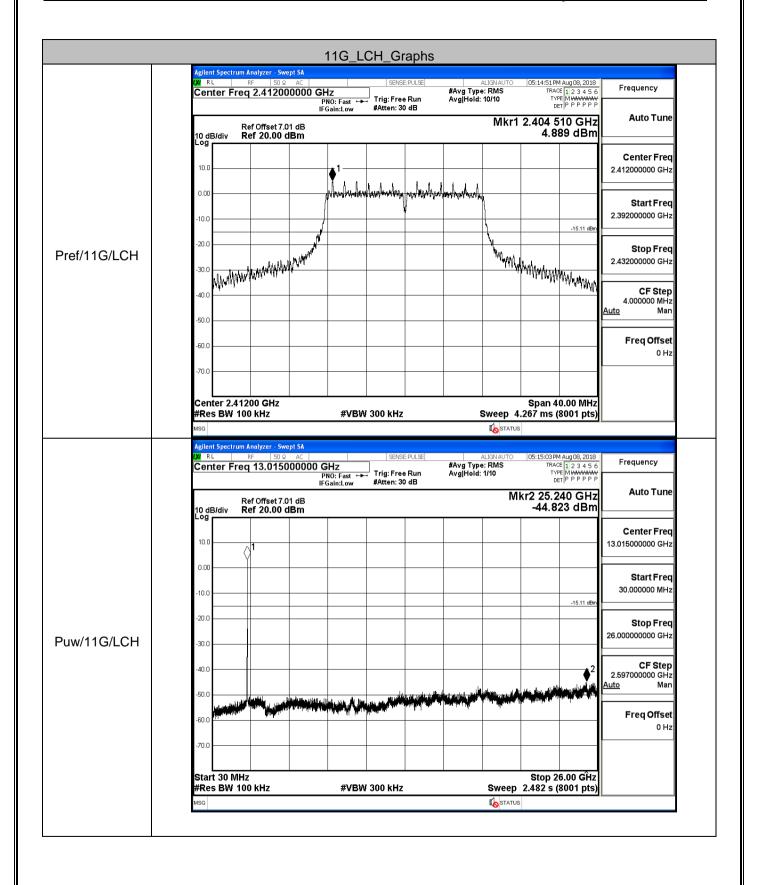
A.5 RF Conducted Spurious Emissions

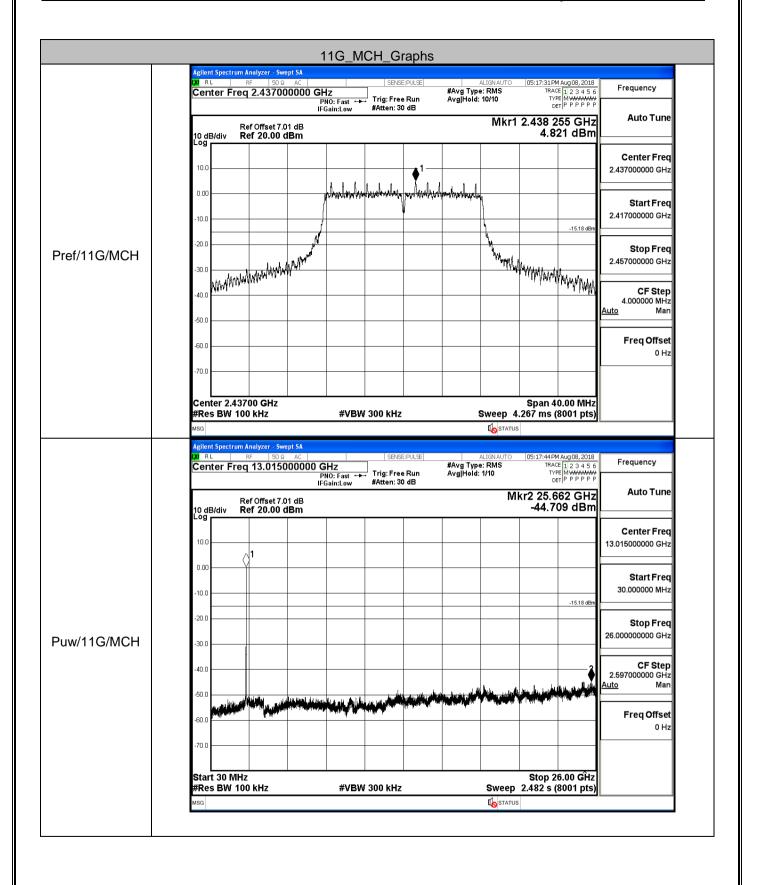
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	8.863	-44.220	-11.137	PASS
11B	MCH	7.348	-44.416	-12.652	PASS
	HCH	5.75	-44.976	-14.250	PASS
	LCH	4.889	-44.823	-15.111	PASS
11G	MCH	4.821	-44.709	-15.179	PASS
	HCH	-0.431	-44.367	-20.431	PASS
	LCH	5.06	-45.220	-14.940	PASS
11N20	MCH	4.946	-45.012	-15.054	PASS
SISO	HCH	-0.376	-44.628	-20.376	PASS

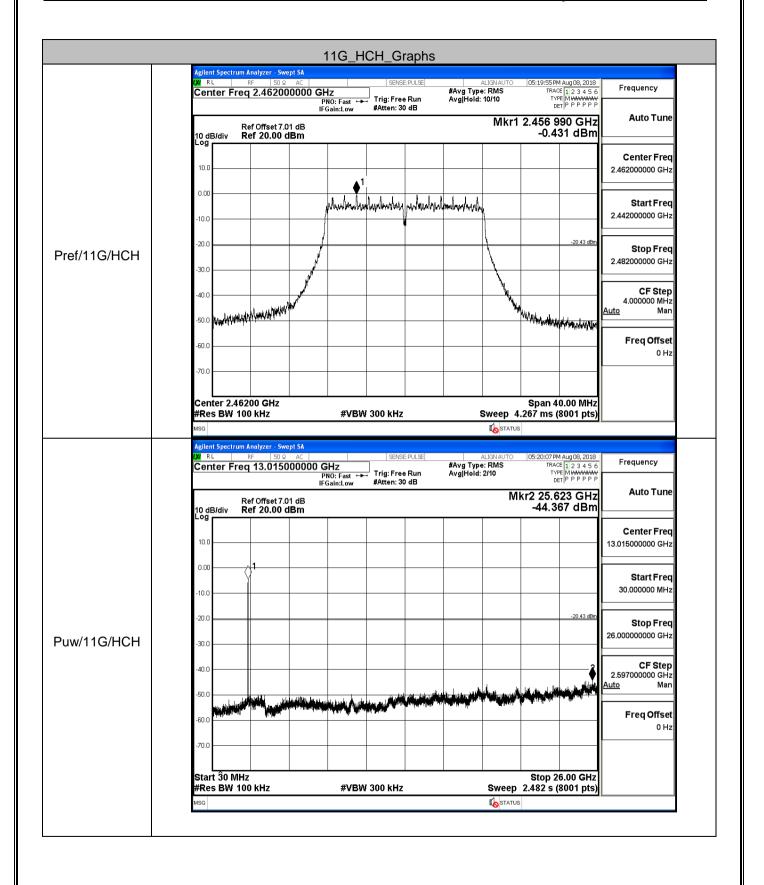


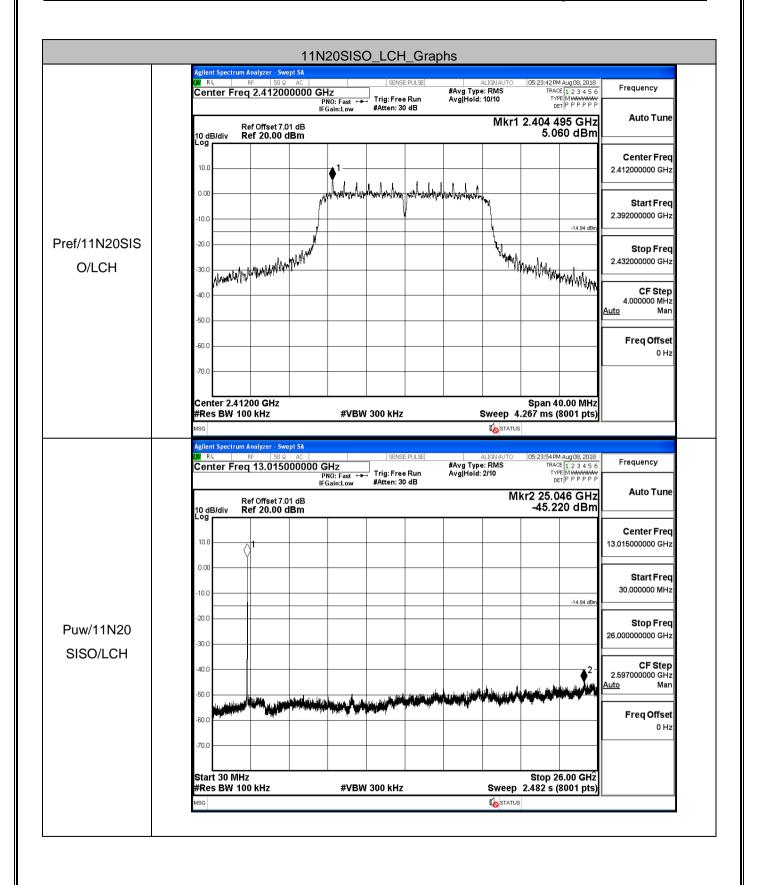


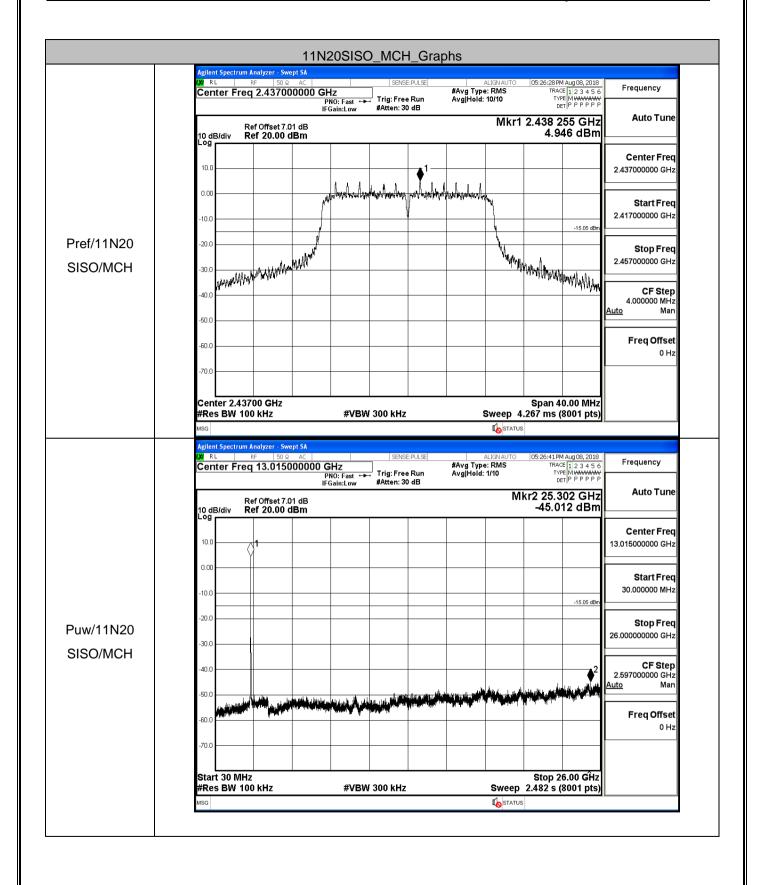


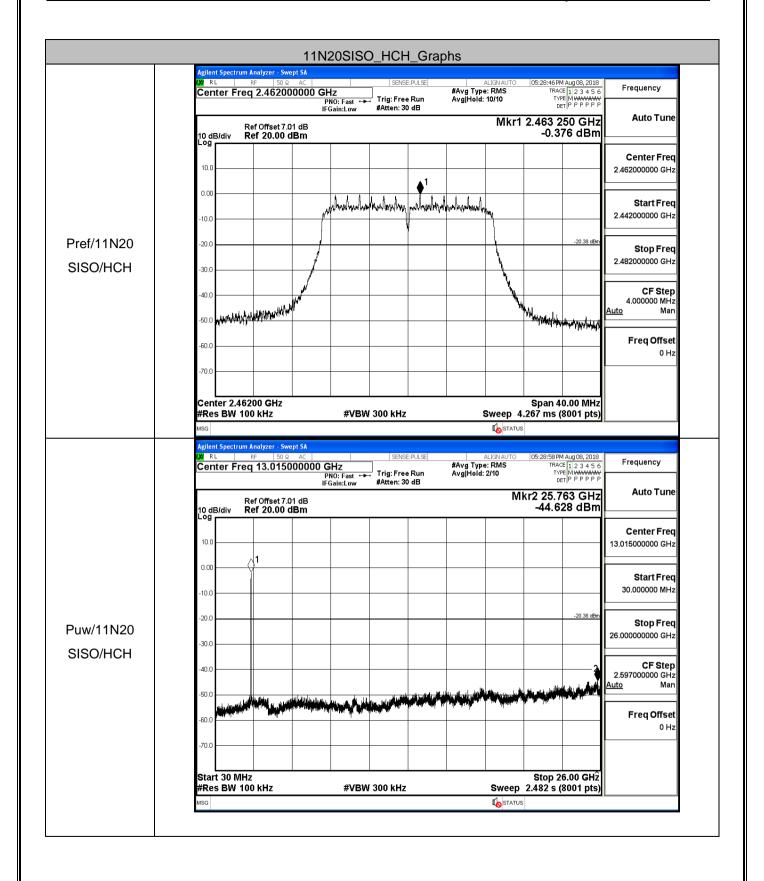






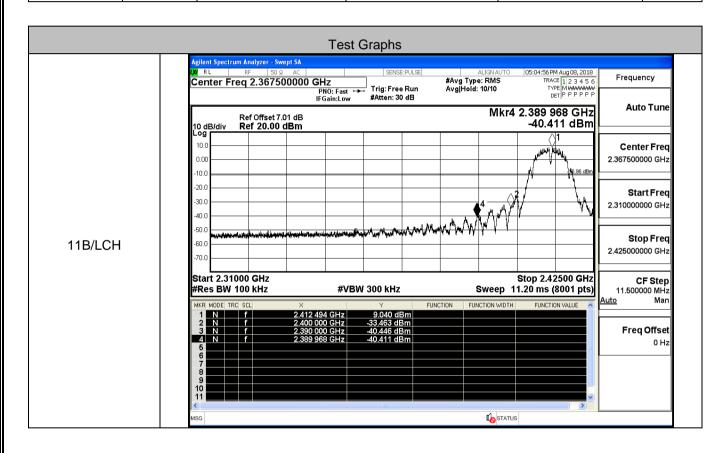






A.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level	Limit [dBm]	Verdict
445	LCH	9.040	-40.411	-10.96	PASS
11B	HCH	5.553	-49.656	-14.45	PASS
	LCH	5.010	-36.657	-14.99	PASS
11G	HCH	-0.302	-49.260	-20.3	PASS
	LCH	5.099	-35.491	-14.9	PASS
11N20SISO	HCH	-0.319	-49.371	-20.32	PASS

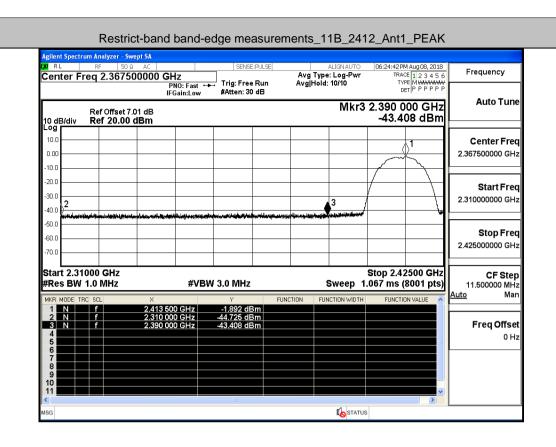


SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AJ5F-SM-SO306 Report No.: LCS180727038AEA 05:28:31 PM Aug 08, 2018 TRACE 1 2 3 4 5 6 TYPE M WWWWWW DET P P P P P P #Avg Type: RMS Avg|Hold: 10/10 Frequency Center Freq 2.475000000 GHz Trig: Free Run #Atten: 30 dB PNO: Fast +-IFGain:Low Auto Tune Mkr4 2.484 518 75 GHz -49.371 dBm Ref Offset 7.01 dB Ref 20.00 dBm 10.0 Center Freq 2.475000000 GHz -1n n -20.32 dB -2n r Start Freq -30.0 2.450000000 GHz -50.0 Stop Freq 11N20SISO/HCH -en r 2.500000000 GHz Start 2.45000 GHz #Res BW 100 kHz Stop 2.50000 GHz Sweep 4.800 ms (8001 pts) **CF Step** 5.000000 MHz **#VBW** 300 kHz Man <u>Auto</u> FUNCTION FUNCTION WIDTH Freq Offset

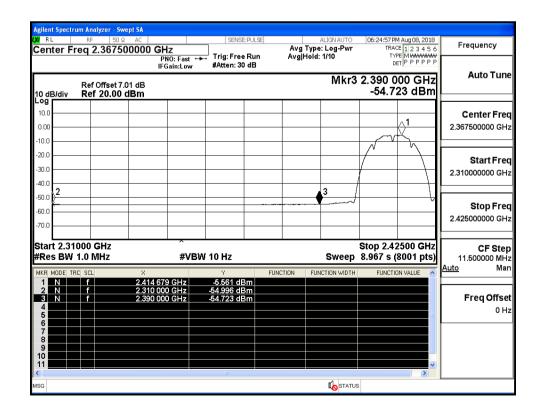
STATUS

A.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBu V/m]	Verdict
	2412	Ant1	2310.0	-44.73	2.0	0	52.53	PEAK	74	PASS
	2412	Ant1	2310.0	-55.00	2.0	0	42.26	AV	54	PASS
	2412	Ant1	2390.0	-43.41	2.0	0	53.85	PEAK	74	PASS
445	2412	Ant1	2390.0	-54.72	2.0	0	42.53	AV	54	PASS
11B	2462	Ant1	2483.5	-43.81	2.0	0	53.45	PEAK	74	PASS
	2462	Ant1	2483.5	-53.28	2.0	0	43.98	AV	54	PASS
	2462	Ant1	2500.0	-44.72	2.0	0	52.54	PEAK	74	PASS
	2462	Ant1	2500.0	-53.55	2.0	0	43.71	AV	54	PASS
	2412	Ant1	2310.0	-45.26	2.0	0	52.00	PEAK	74	PASS
	2412	Ant1	2310.0	-54.97	2.0	0	42.28	AV	54	PASS
	2412	Ant1	2390.0	-44.18	2.0	0	53.08	PEAK	74	PASS
110	2412	Ant1	2390.0	-54.71	2.0	0	42.55	AV	54	PASS
11G	2462	Ant1	2483.5	-42.25	2.0	0	55.00	PEAK	74	PASS
	2462	Ant1	2483.5	-52.83	2.0	0	44.43	AV	54	PASS
	2462	Ant1	2500.0	-42.66	2.0	0	54.60	PEAK	74	PASS
	2462	Ant1	2500.0	-53.56	2.0	0	43.70	AV	54	PASS
	2412	Ant1	2310.0	-43.65	2.0	0	53.61	PEAK	74	PASS
	2412	Ant1	2310.0	-55.01	2.0	0	42.25	AV	54	PASS
	2412	Ant1	2390.0	-43.36	2.0	0	53.89	PEAK	74	PASS
11N20	2412	Ant1	2390.0	-54.66	2.0	0	42.59	AV	54	PASS
SISO	2462	Ant1	2483.5	-41.48	2.0	0	55.78	PEAK	74	PASS
	2462	Ant1	2483.5	-52.72	2.0	0	44.53	AV	54	PASS
	2462	Ant1	2500.0	-41.84	2.0	0	55.41	PEAK	74	PASS
	2462	Ant1	2500.0	-53.50	2.0	0	43.76	AV	54	PASS

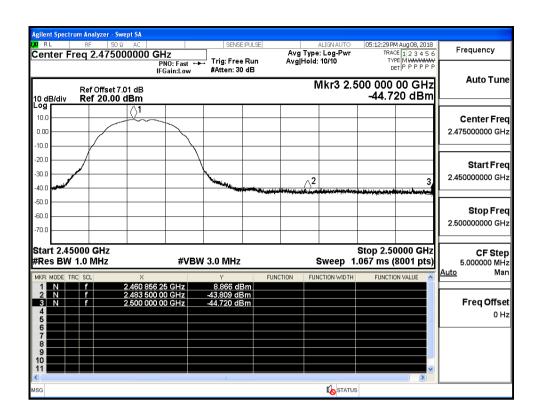


Restrict-band band-edge measurements_11B_2412_Ant1_AV

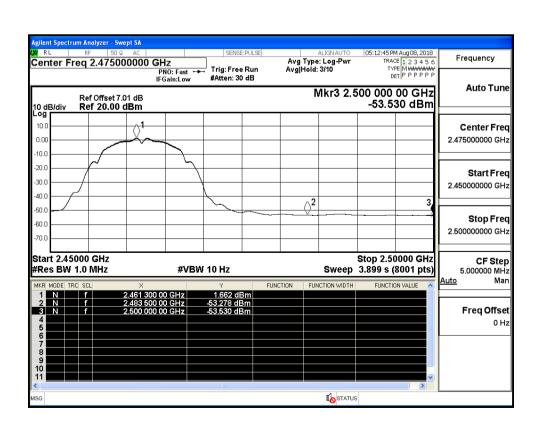


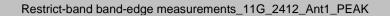
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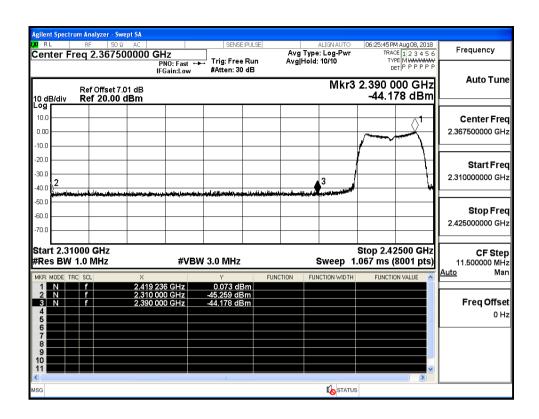
Restrict-band band-edge measurements_11B_2462_Ant1_PEAK



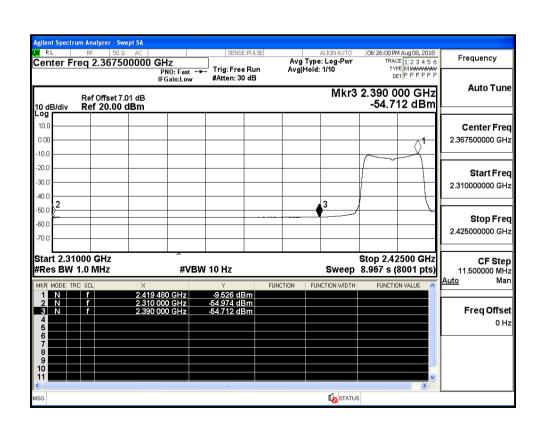
Restrict-band band-edge measurements_11B_2462_Ant1_AV



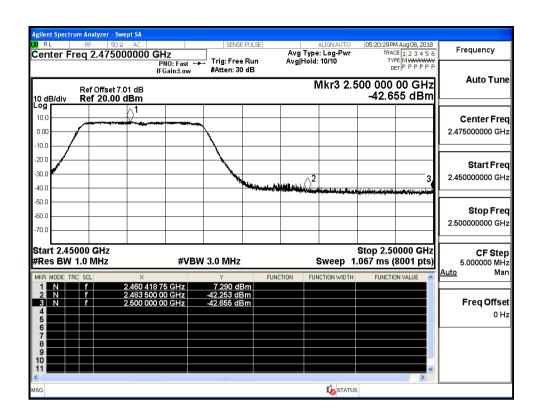




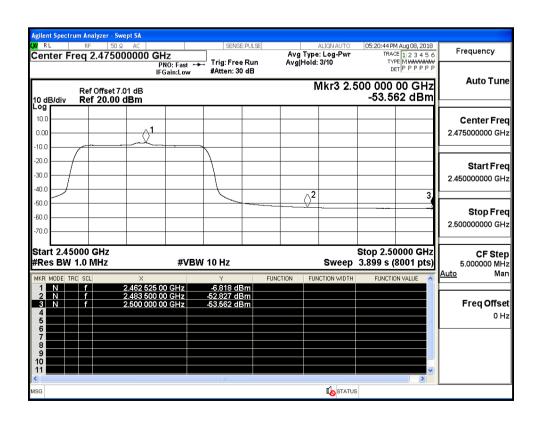
Restrict-band band-edge measurements_11G_2412_Ant1_AV

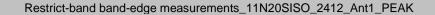


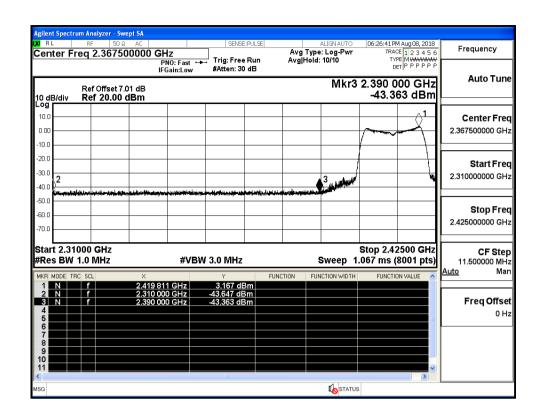
Restrict-band band-edge measurements_11G_2462_Ant1_PEAK



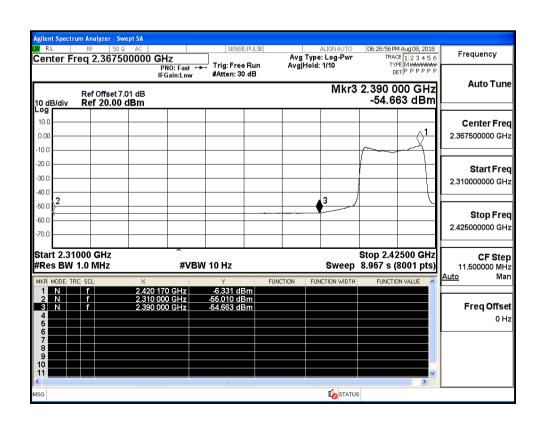
Restrict-band band-edge measurements_11G_2462_Ant1_AV

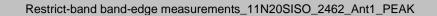


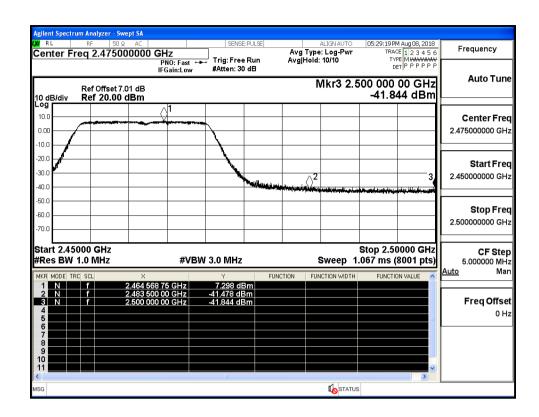




Restrict-band band-edge measurements_11N20SISO_2412_Ant1_AV







Restrict-band band-edge measurements_11N20SISO_2462_Ant1_AV

