# **Appendix C**

# **RF Test Data for 2.4G WIFI (Conducted Measurement)**

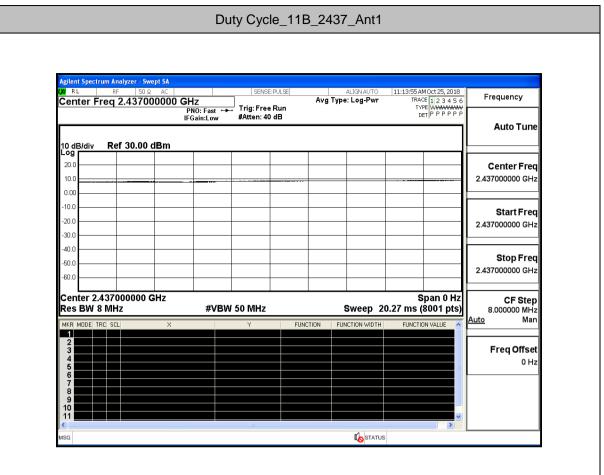
**Product Name: 4G Smartphone Trade Mark: Hello Smart Phones Test Model: Hello AN6 pro** 

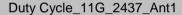
### **Environmental Conditions**

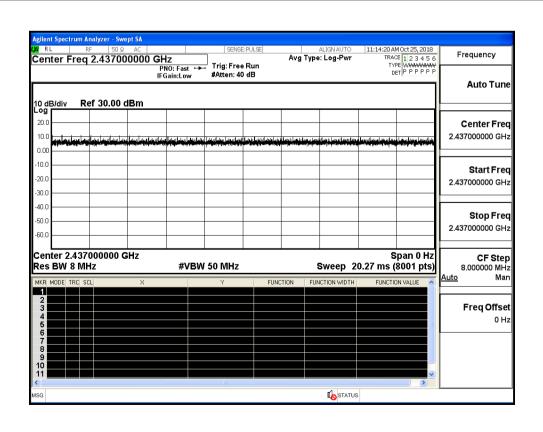
<del>_</del> -							
Temperature:	24.1 ° C						
Relative Humidity:	53.4%						
ATM Pressure:	100.0 kPa						
Test Engineer:	Tom.Liu						
Supervised by:	Jayden.Zhuo						

## **C.1 Duty Cycle**

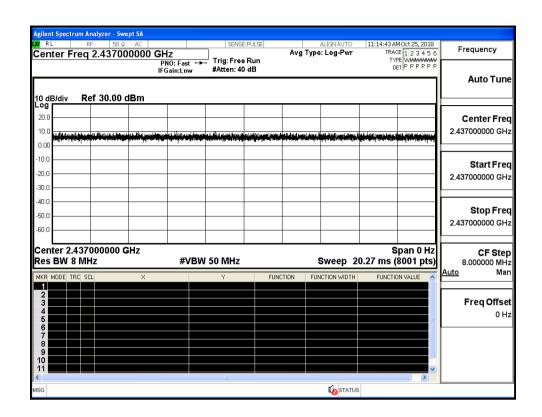
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant1	100	PASS
11G	2437	Ant1	100	PASS
11N20SISO	2437	Ant1	100	PASS
11N40SISO	2437	Ant1	100	PASS



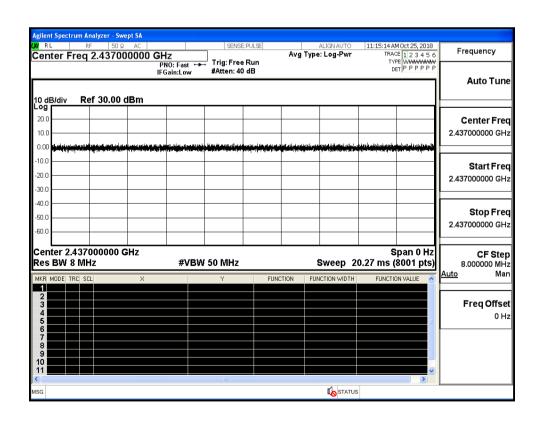








#### Duty Cycle\_11N40SISO\_2437\_Ant1

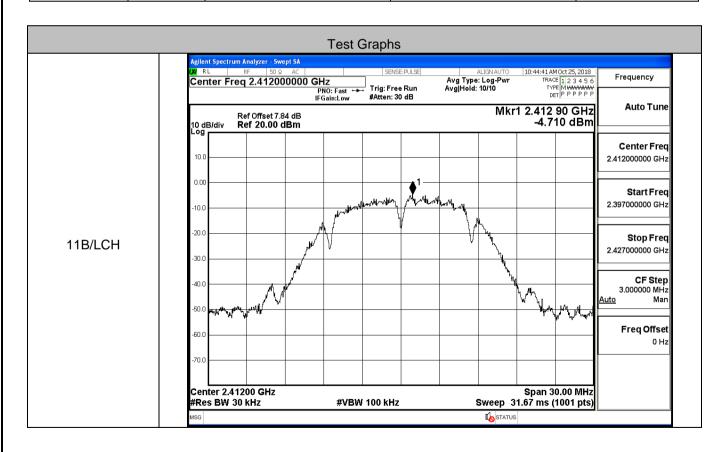


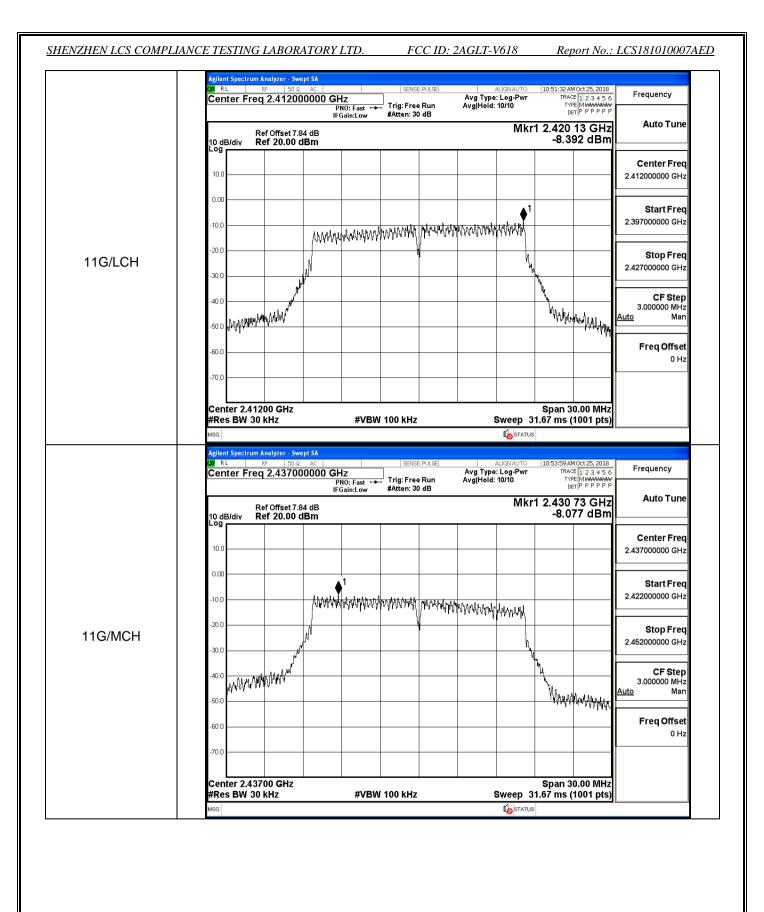
## **C.2 Maximum Conducted Output Power**

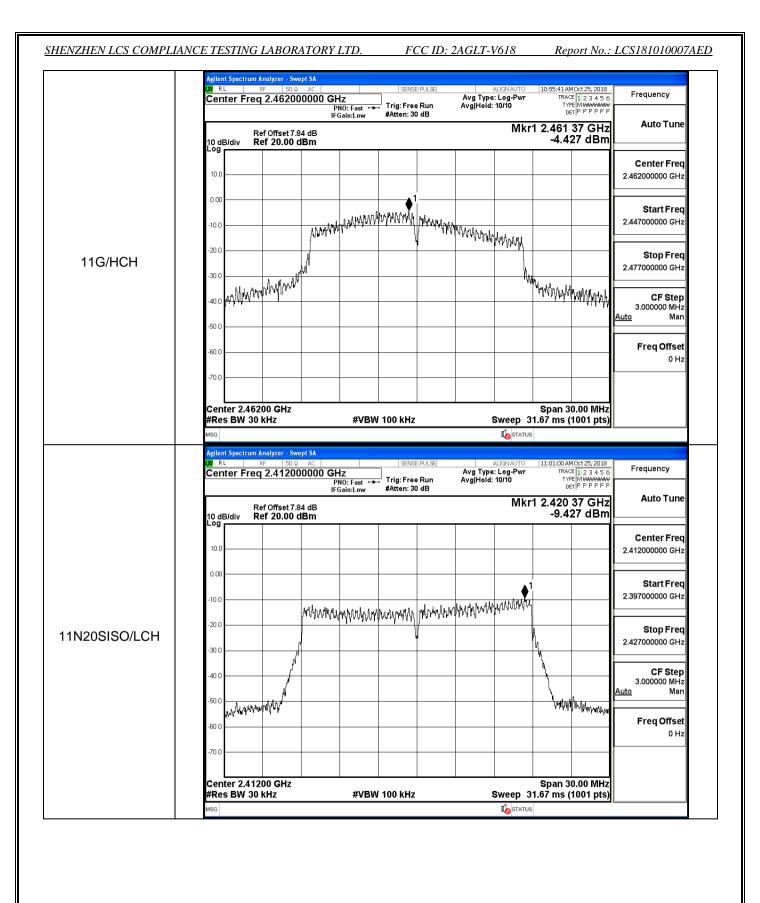
Mode	Channel	Meas. Peak Level [dBm]	Meas. Average Level [dBm]	Limit [dBm]	Verdict
	LCH	13.34	10.48	30	PASS
11B	MCH	14.26	11.48	30	PASS
	HCH	14.61	11.78	30	PASS
	LCH	15.20	8.95	30	PASS
11G	MCH	15.83	9.54	30	PASS
	HCH	15.78	9.52	30	PASS
	LCH	14.35	8.12	30	PASS
11N20SISO	MCH	14.87	8.60	30	PASS
	HCH	15.31	9.06	30	PASS
	LCH	13.65	6.93	30	PASS
11N40SISO	MCH	14.30	7.53	30	PASS
	HCH	13.40	6.65	30	PASS

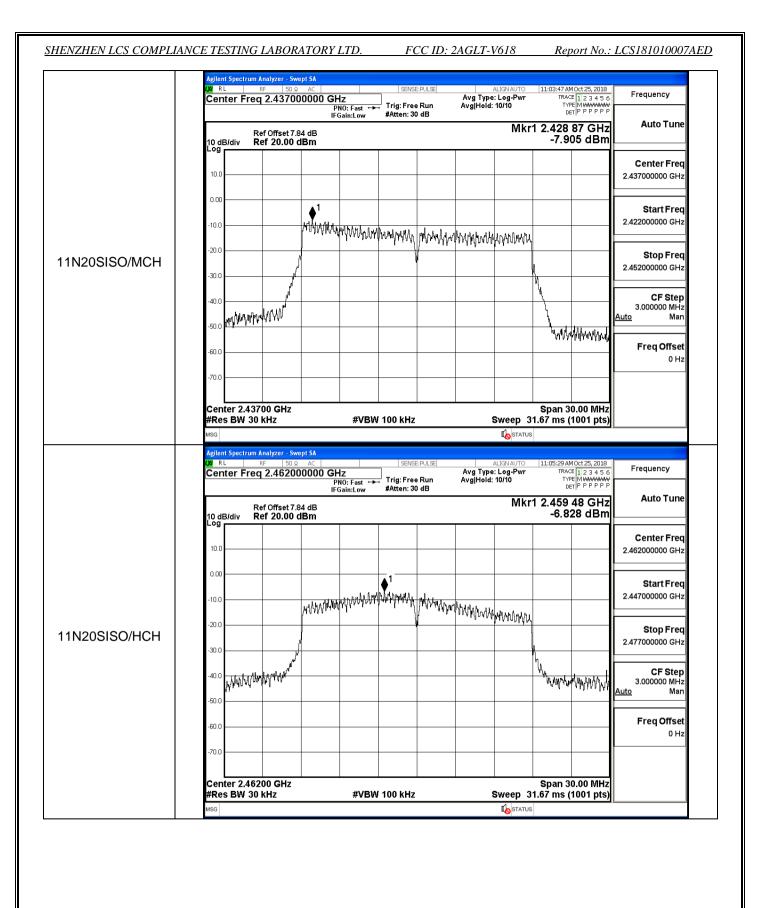
## **C.3 Maximum Power Spectral Density**

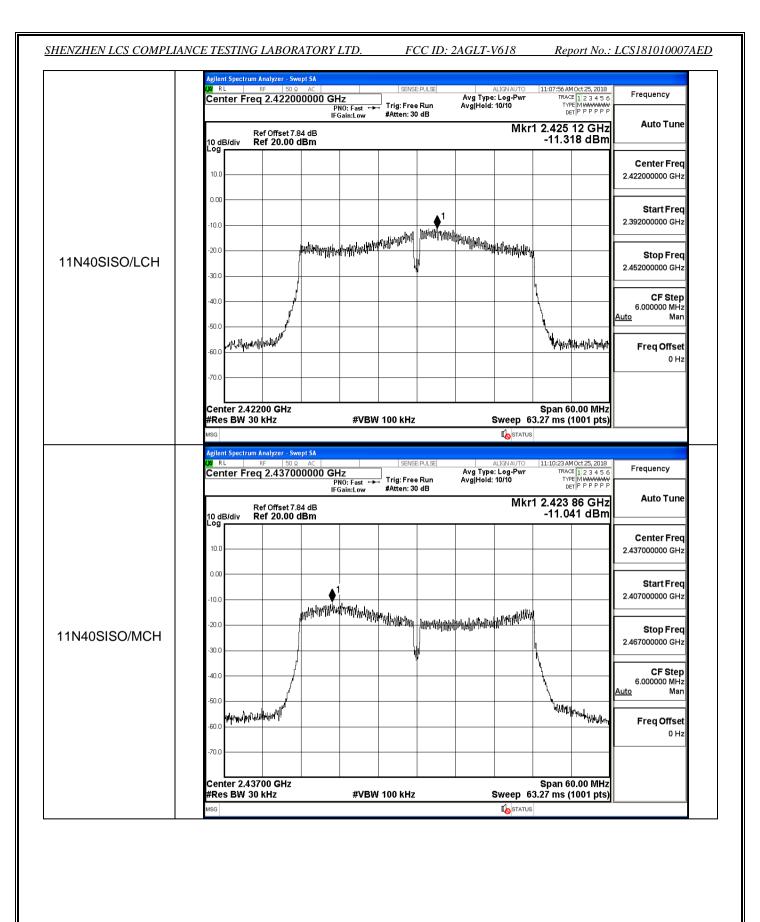
Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
	LCH	-4.710	8	PASS
11B	MCH	-4.239	8	PASS
	HCH	-2.033	8	PASS
	LCH	-8.392	8	PASS
11G	MCH	-8.077	8	PASS
	HCH	-4.427	8	PASS
	LCH	-9.427	8	PASS
11N20SISO	MCH	-7.905	8	PASS
	HCH	-6.828	8	PASS
	LCH	-11.318	8	PASS
11N40SISO	MCH	-11.041	8	PASS
	HCH	-10.502	8	PASS

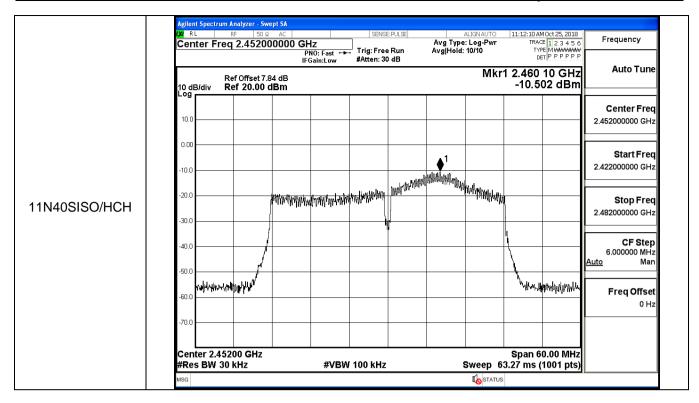






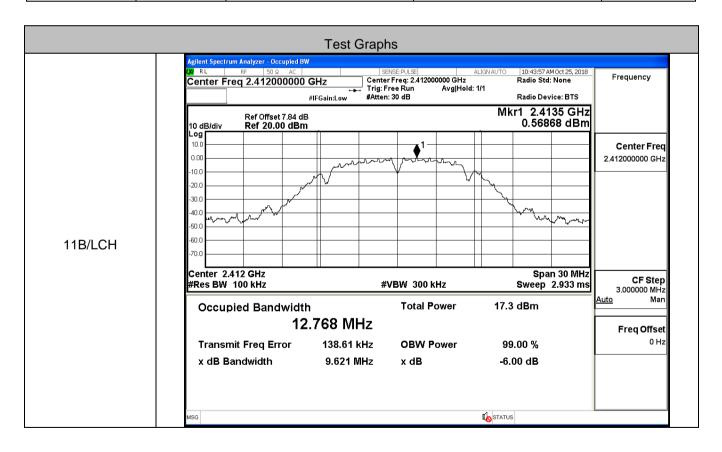






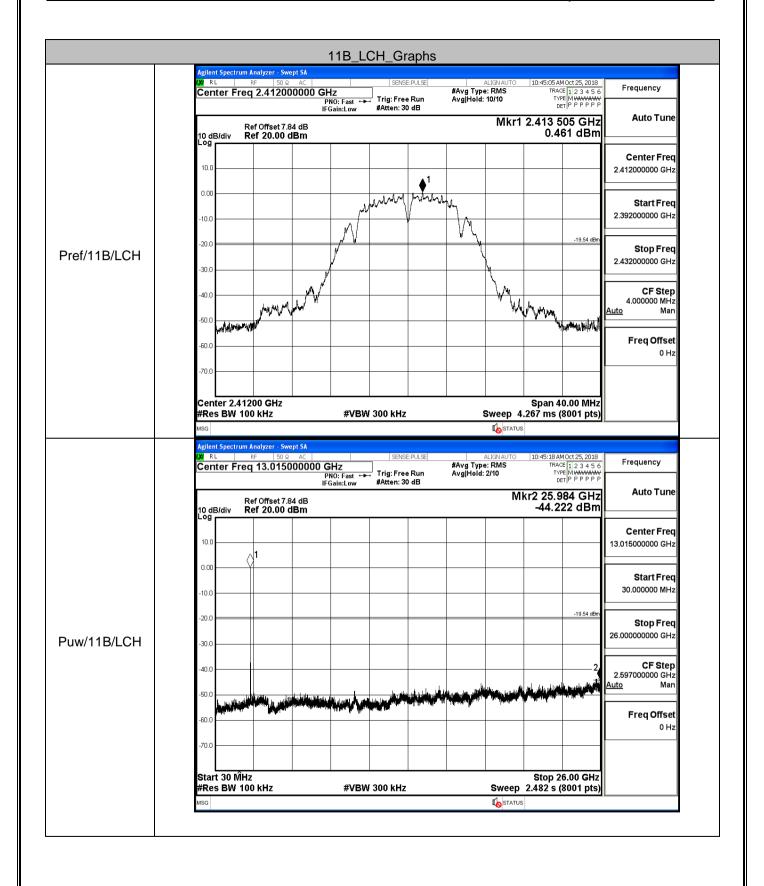
#### C.4 6dB Bandwidth

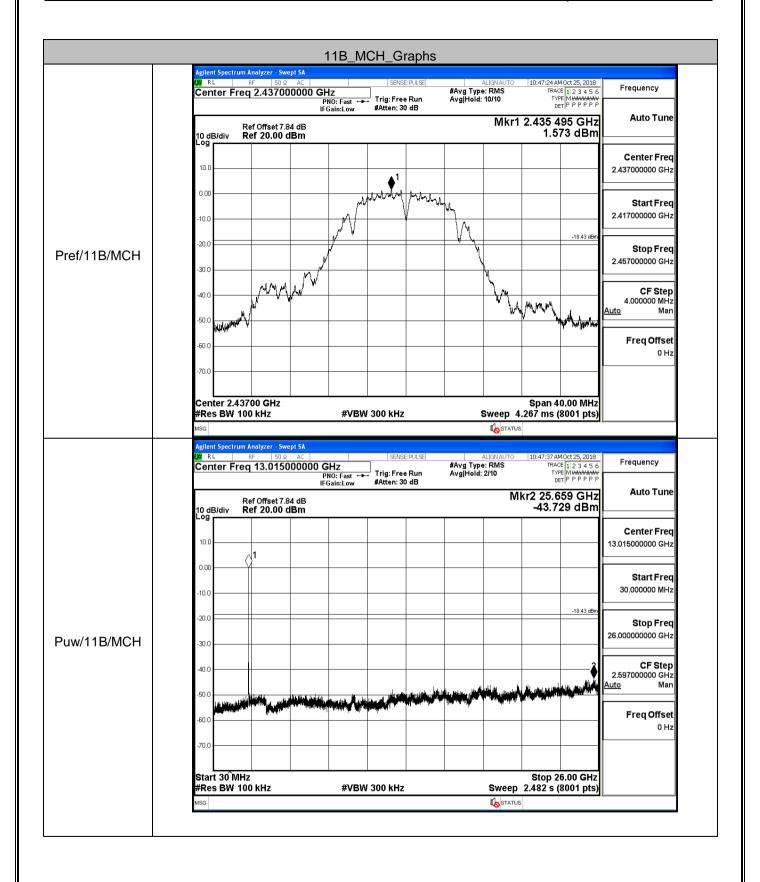
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	9.621	≥0.5	PASS
11B	MCH	9.598	≥0.5	PASS
	HCH	7.540	≥0.5	PASS
	LCH	16.50	≥0.5	PASS
11G	MCH	16.51	≥0.5	PASS
	HCH	10.76	≥0.5	PASS
	LCH	17.77	≥0.5	PASS
11N20SISO	MCH	17.73	≥0.5	PASS
	HCH	12.30	≥0.5	PASS
	LCH	35.76	≥0.5	PASS
11N40SISO	MCH	36.44	≥0.5	PASS
	HCH	35.68	≥0.5	PASS

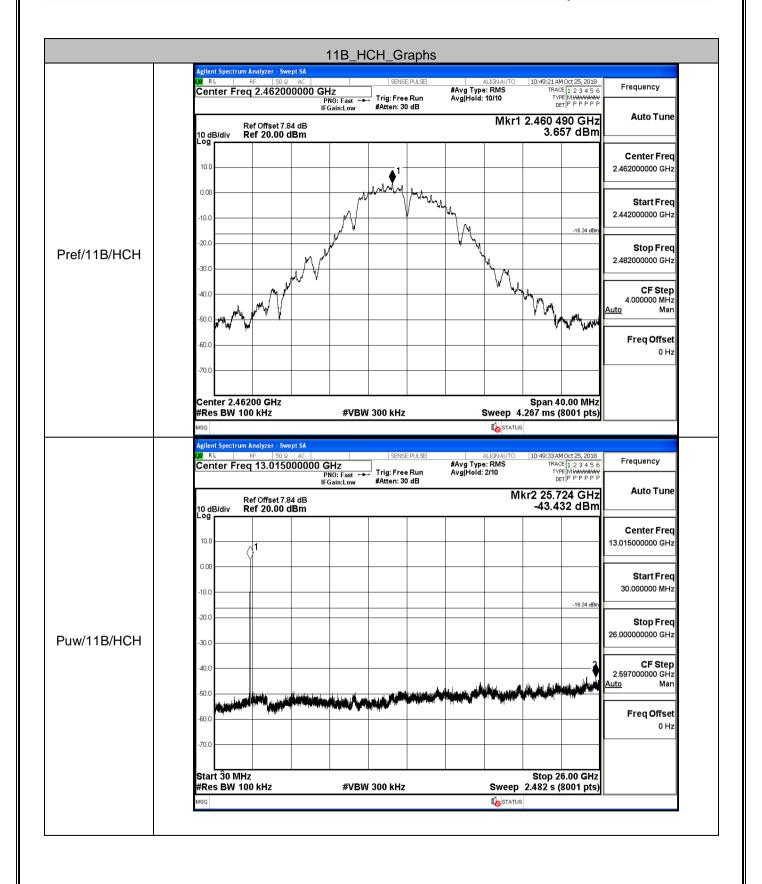


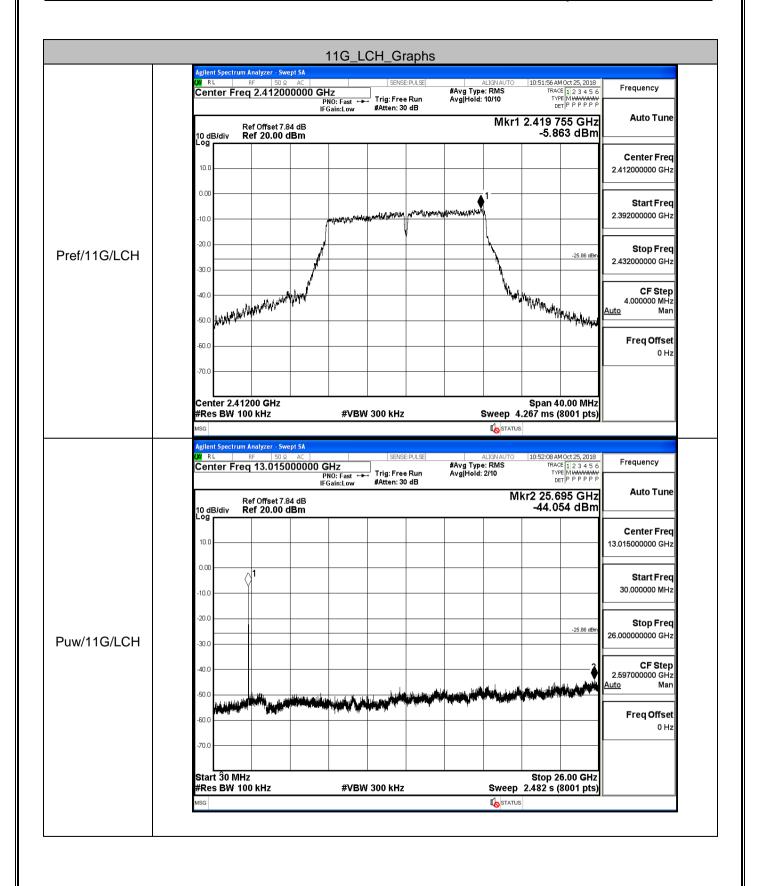
## **C.5 RF Conducted Spurious Emissions**

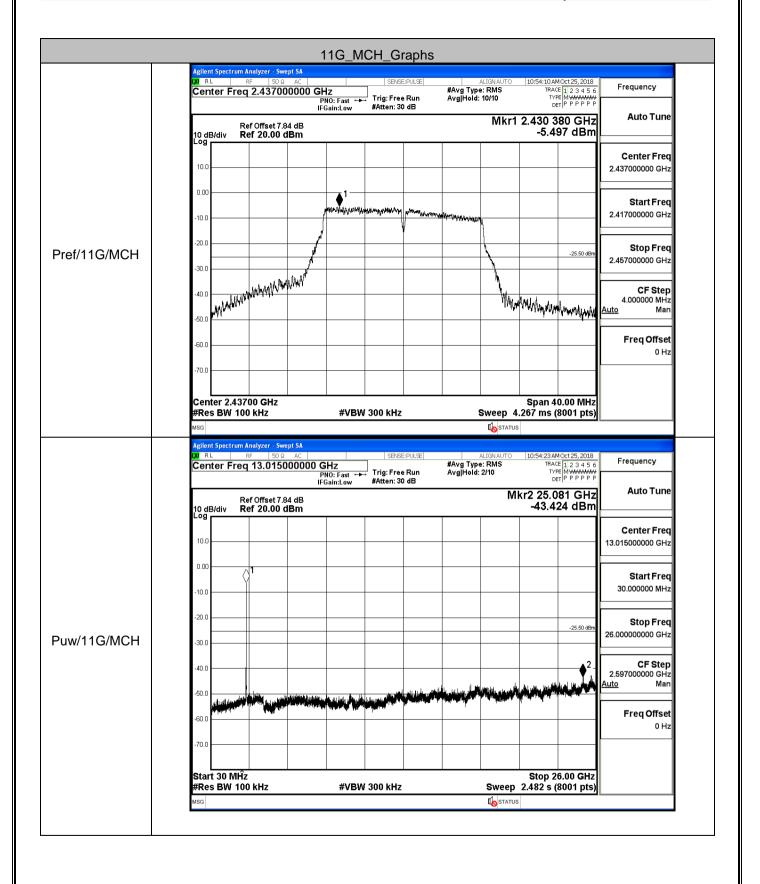
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	0.461	-44.222	-19.539	PASS
11B	MCH	1.573	-43.729	-18.427	PASS
	HCH	3.657	-43.432	-16.343	PASS
	LCH	-5.863	-44.054	-25.863	PASS
11G	MCH	-5.497	-43.424	-25.497	PASS
	HCH	-1.368	-43.728	-21.368	PASS
	LCH	-5.969	-43.338	-25.969	PASS
11N20	MCH	-5.392	-44.504	-25.392	PASS
SISO	НСН	-3.153	-44.488	-23.153	PASS
	LCH	-7.492	-44.159	-27.492	PASS
11N40	MCH	-8.466	-44.192	-28.466	PASS
SISO	НСН	-7.789	-30.262	-27.789	PASS

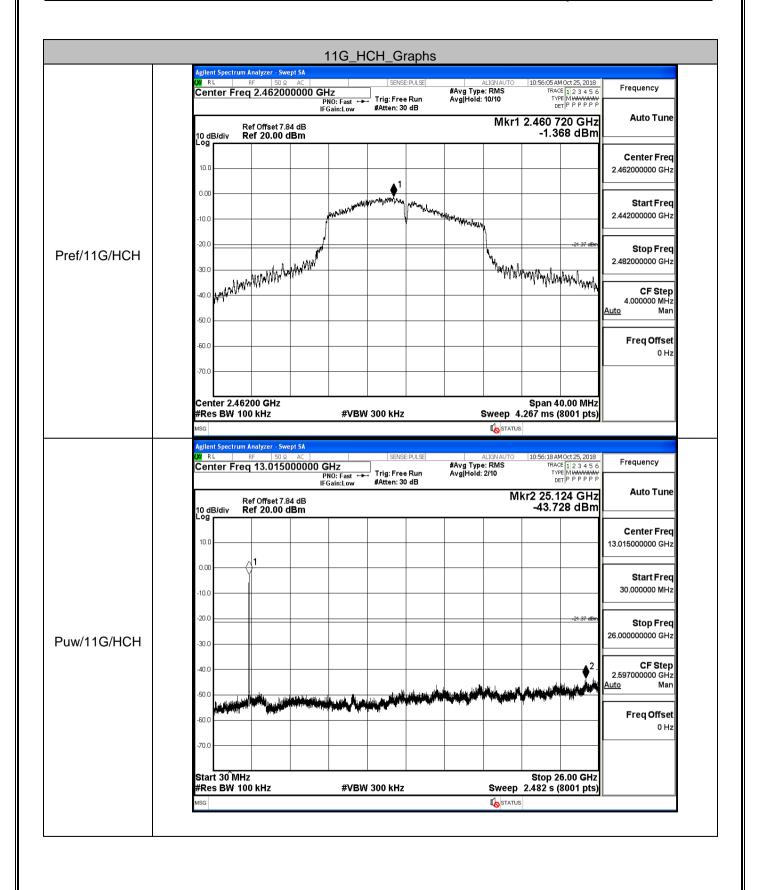


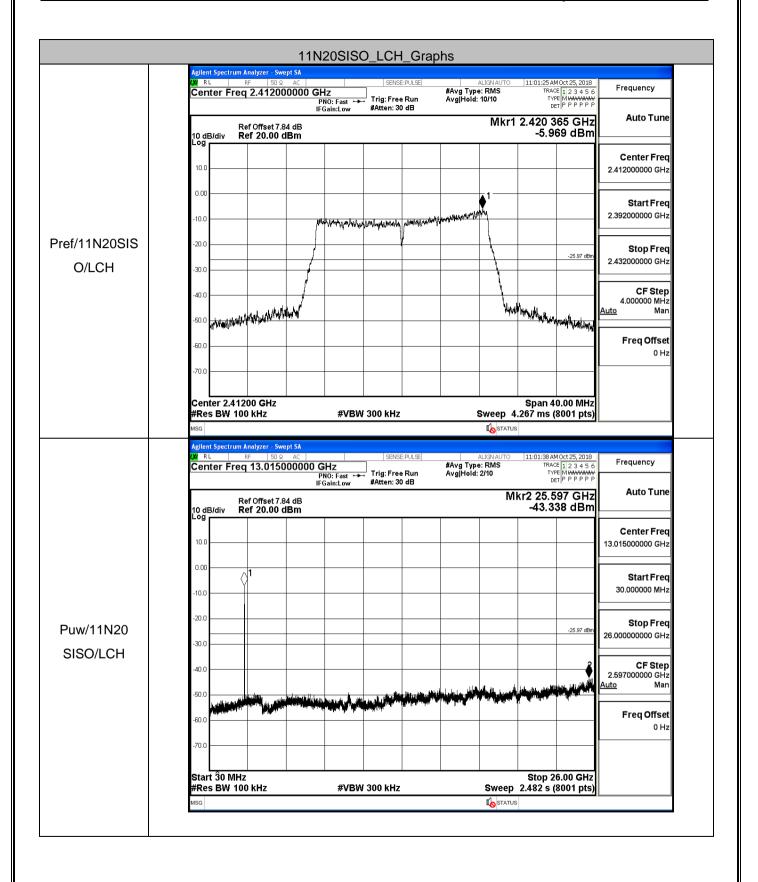


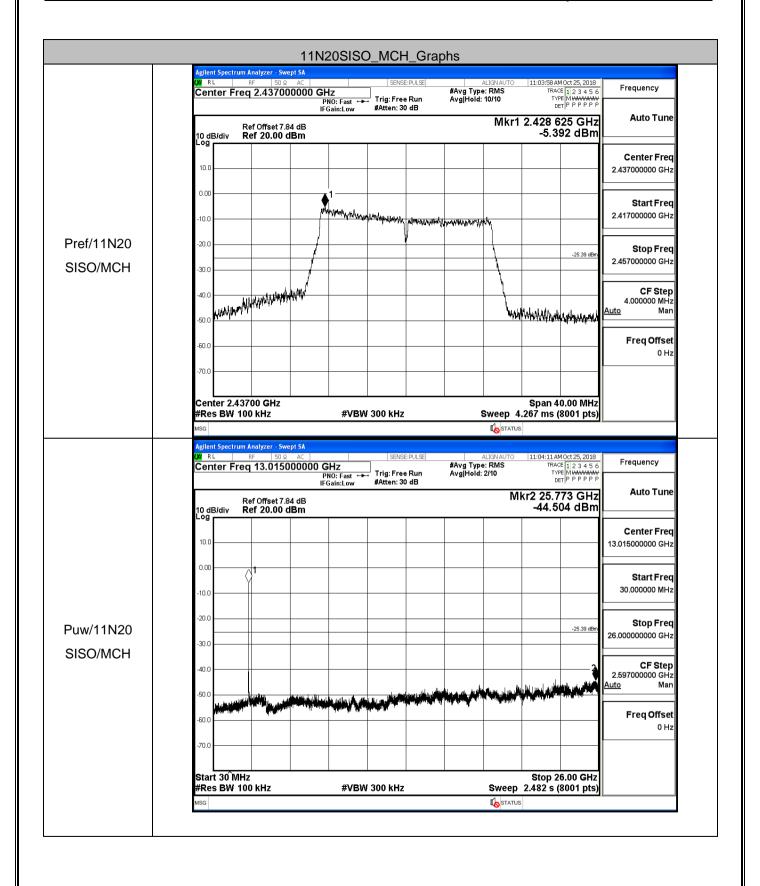


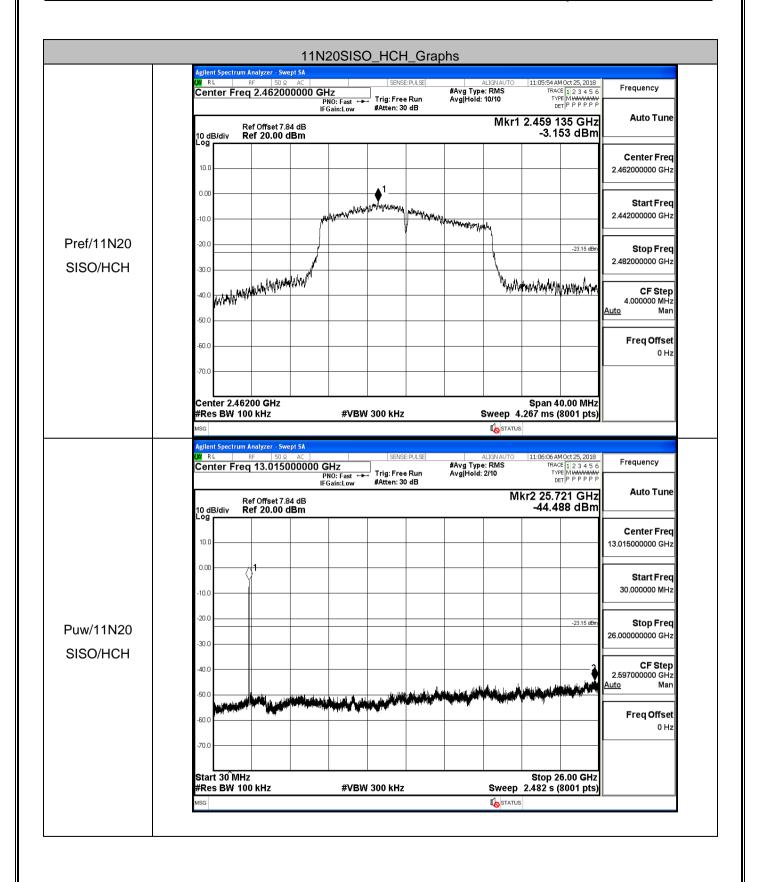


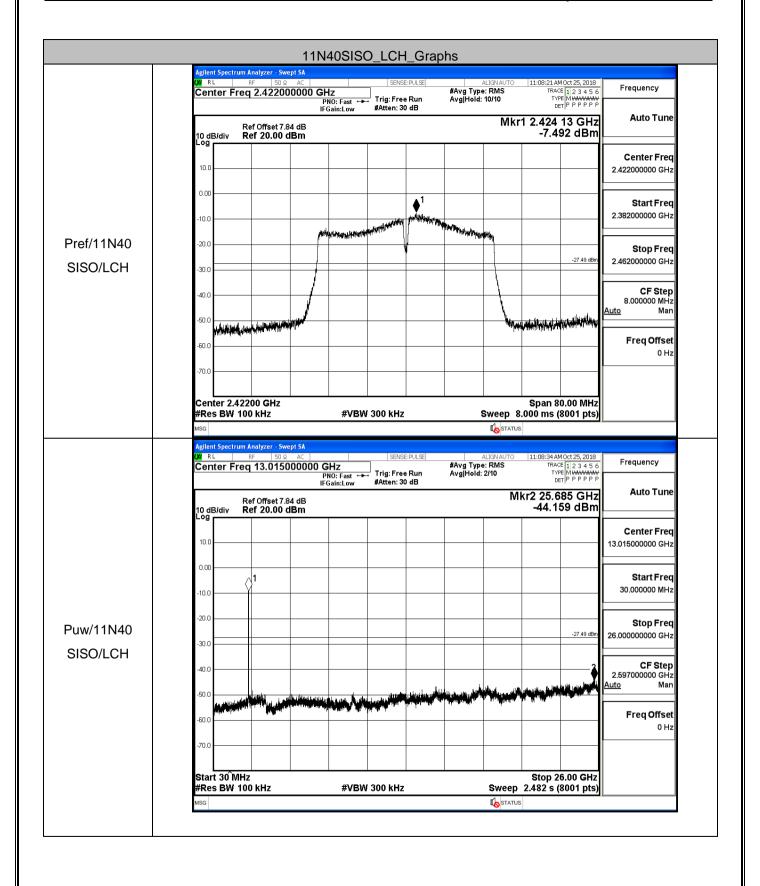


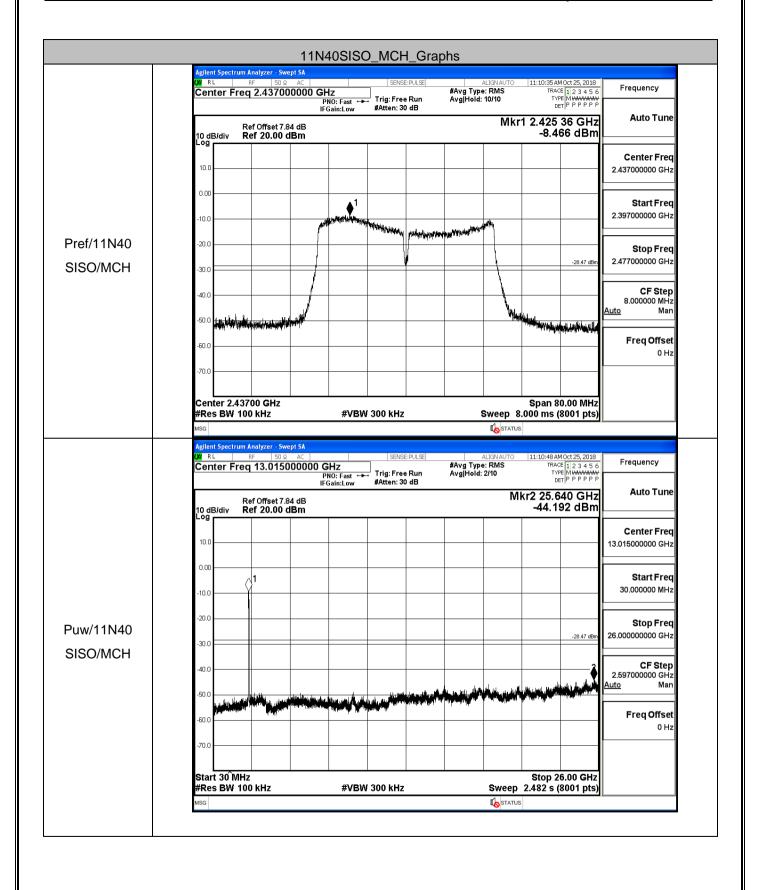


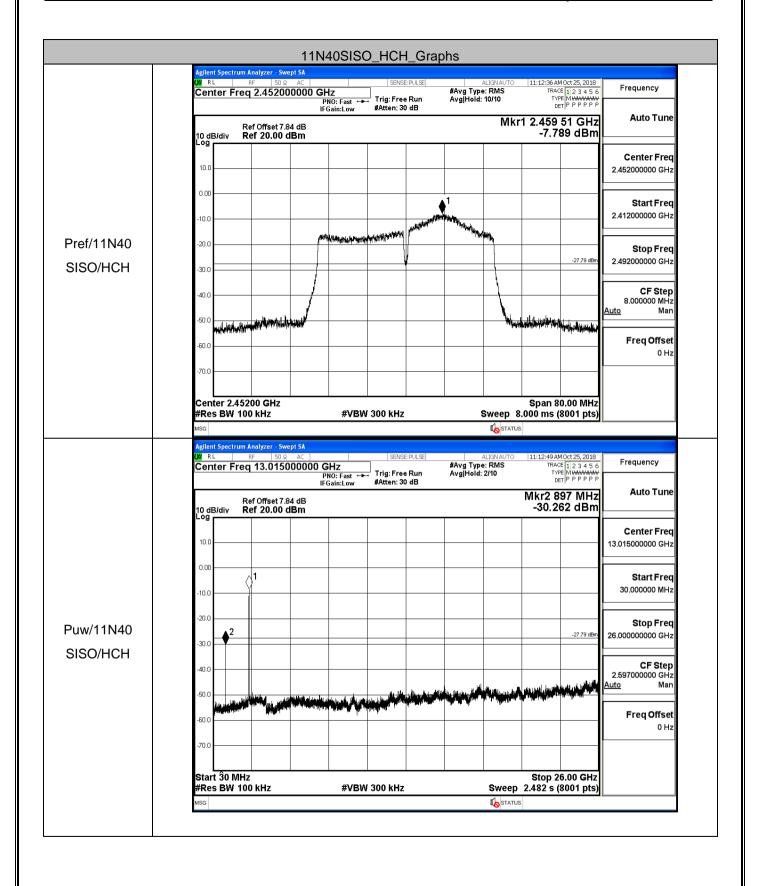






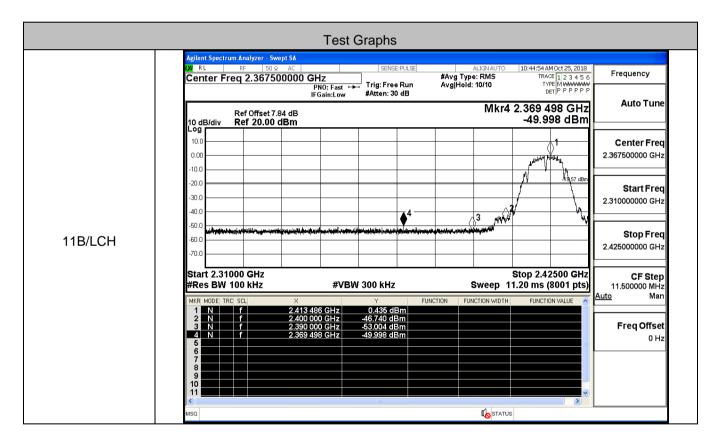


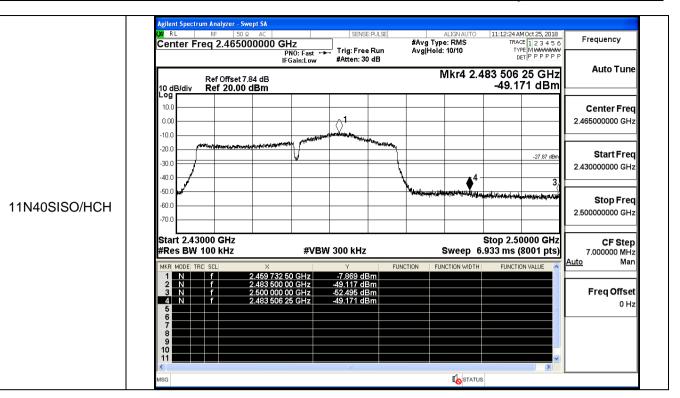




## C.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
445	LCH	0.435	-49.998	-19.57	PASS
11B	HCH	3.744	-48.809	-16.26	PASS
	LCH	-5.901	-50.533	-25.9	PASS
11G	HCH	-1.262	-39.803	-21.26	PASS
441000100	LCH	-5.752	-50.416	-25.75	PASS
11N20SISO	HCH	-3.095	-39.835	-23.1	PASS
44040000	LCH	-7.480	-49.571	-27.48	PASS
11N40SISO	HCH	-7.869	-49.171	-27.87	PASS

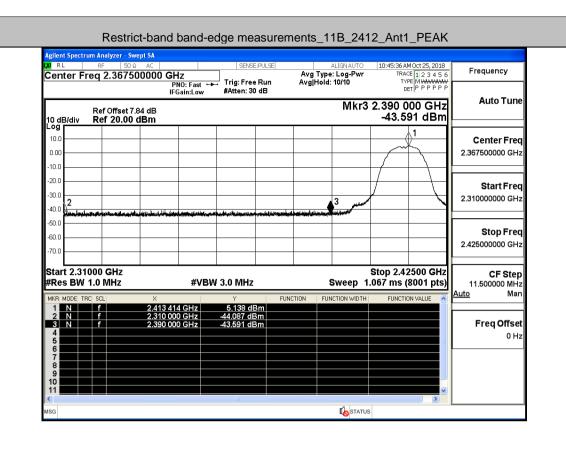


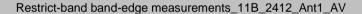


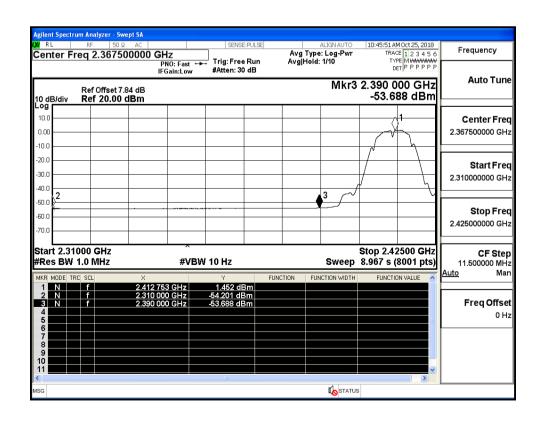
# C.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBu V/m]	Verdict
	2412	Ant1	2310.0	-44.09	2.0	0	53.17	PEAK	74	PASS
	2412	Ant1	2310.0	-54.20	2.0	0	43.06	AV	54	PASS
	2412	Ant1	2390.0	-43.59	2.0	0	53.67	PEAK	74	PASS
11B	2412	Ant1	2390.0	-53.69	2.0	0	43.57	AV	54	PASS
11B	2462	Ant1	2483.5	-41.11	2.0	0	56.14	PEAK	74	PASS
	2462	Ant1	2483.5	-50.42	2.0	0	46.83	AV	54	PASS
	2462	Ant1	2500.0	-43.11	2.0	0	54.14	PEAK	74	PASS
	2462	Ant1	2500.0	-53.61	2.0	0	43.64	AV	54	PASS
	2412	Ant1	2310.0	-44.42	2.0	0	52.84	PEAK	74	PASS
	2412	Ant1	2310.0	-54.21	2.0	0	43.05	AV	54	PASS
	2412	Ant1	2390.0	-43.26	2.0	0	54.00	PEAK	74	PASS
440	2412	Ant1	2390.0	-53.33	2.0	0	43.92	AV	54	PASS
11G	2462	Ant1	2483.5	-29.19	2.0	0	68.06	PEAK	74	PASS
	2462	Ant1	2483.5	-42.28	2.0	0	54.98	AV	54	PASS
	2462	Ant1	2500.0	-43.80	2.0	0	53.46	PEAK	74	PASS
	2462	Ant1	2500.0	-53.58	2.0	0	43.67	AV	54	PASS
	2412	Ant1	2310.0	-43.85	2.0	0	53.40	PEAK	74	PASS
	2412	Ant1	2310.0	-54.18	2.0	0	43.08	AV	54	PASS
	2412	Ant1	2390.0	-41.19	2.0	0	56.07	PEAK	74	PASS
11N20	2412	Ant1	2390.0	-53.46	2.0	0	43.80	AV	54	PASS
SISO	2462	Ant1	2483.5	-24.83	2.0	0	72.43	PEAK	74	PASS
	2462	Ant1	2483.5	-43.89	2.0	0	53.37	AV	54	PASS
	2462	Ant1	2500.0	-43.16	2.0	0	54.10	PEAK	74	PASS
	2462	Ant1	2500.0	-53.56	2.0	0	43.70	AV	54	PASS
11N40	2422	Ant1	2310.0	-43.69	2.0	0	53.57	PEAK	74	PASS
SISO	2422	Ant1	2310.0	-54.21	2.0	0	43.05	AV	54	PASS

5	SHENZHEN I	LCS COMP	<i>LIANCE</i>	TESTING LA	ABORATORY L	TD.	FCC ID: 2AGLT-V618 Report No.: LCS181010007				1010007AE.
		2422	Ant1	2390.0	-42.88	2.0	0	54.37	PEAK	74	PASS
		2422	Ant1	2390.0	-53.62	2.0	0	43.64	AV	54	PASS
		2452	Ant1	2483.5	-40.73	2.0	0	56.53	PEAK	74	PASS
		2452	Ant1	2483.5	-51.66	2.0	0	45.60	AV	54	PASS
		2452	Ant1	2500.0	-43.96	2.0	0	53.30	PEAK	74	PASS
		2452	Ant1	2500.0	-53.62	2.0	0	43.63	AV	54	PASS

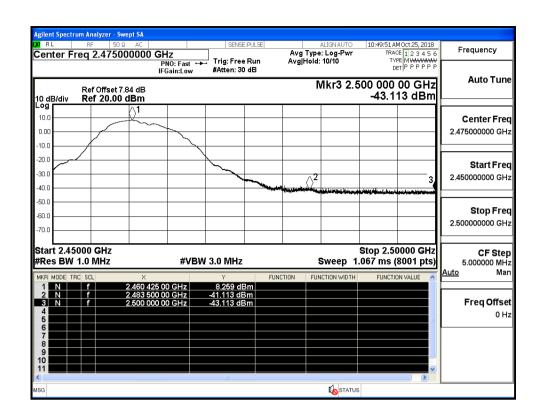




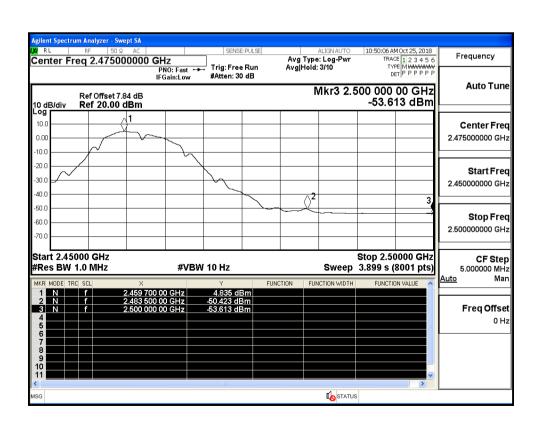


Page 39 of 46

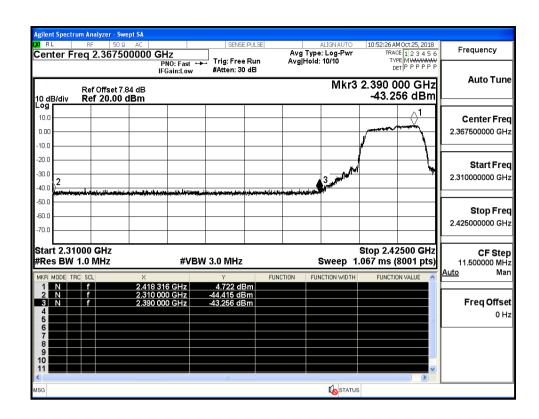
#### Restrict-band band-edge measurements\_11B\_2462\_Ant1\_PEAK



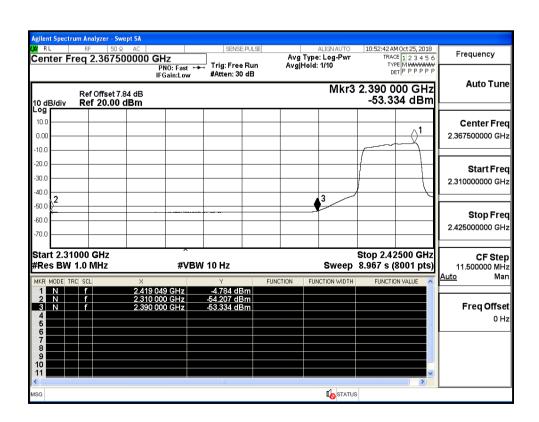
#### Restrict-band band-edge measurements\_11B\_2462\_Ant1\_AV



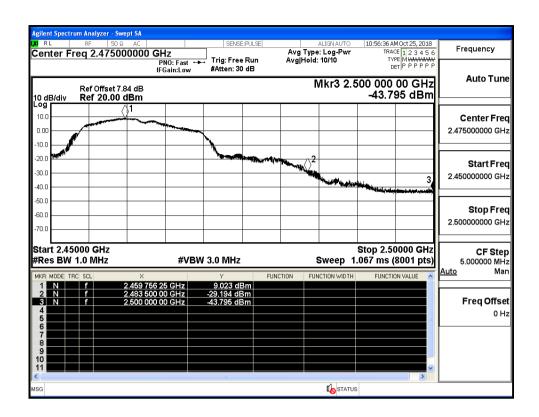
#### Restrict-band band-edge measurements\_11G\_2412\_Ant1\_PEAK



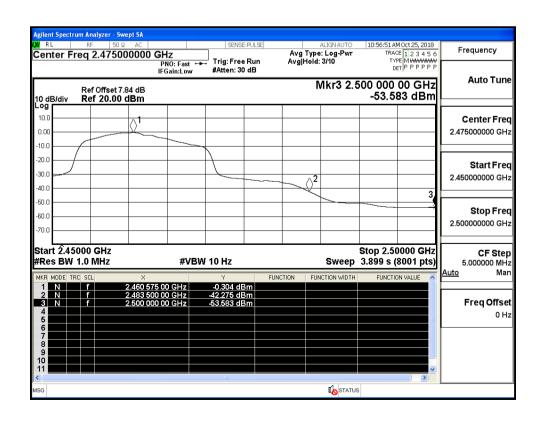
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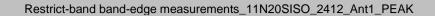


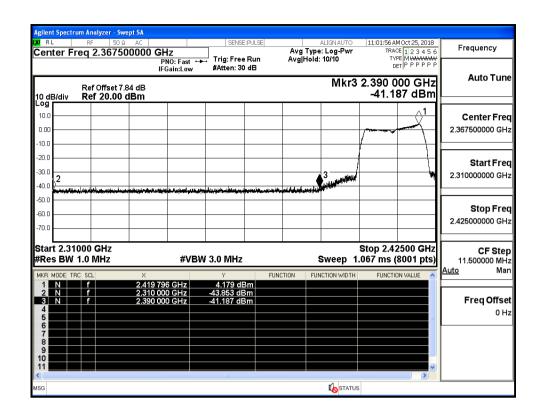
#### Restrict-band band-edge measurements\_11G\_2462\_Ant1\_PEAK



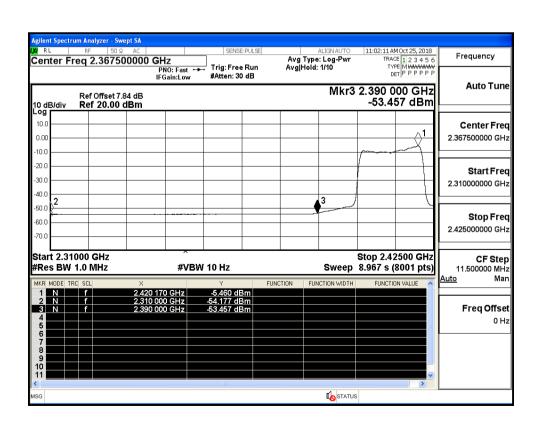
#### Restrict-band band-edge measurements\_11G\_2462\_Ant1\_AV



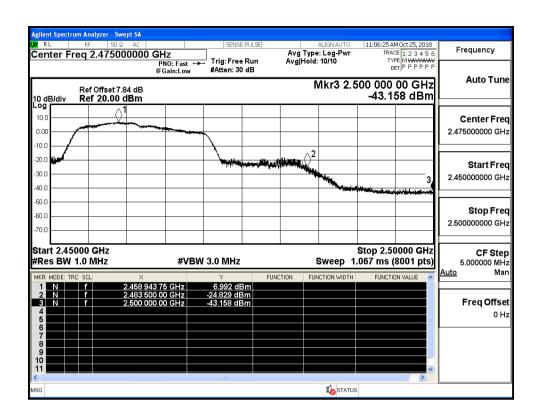




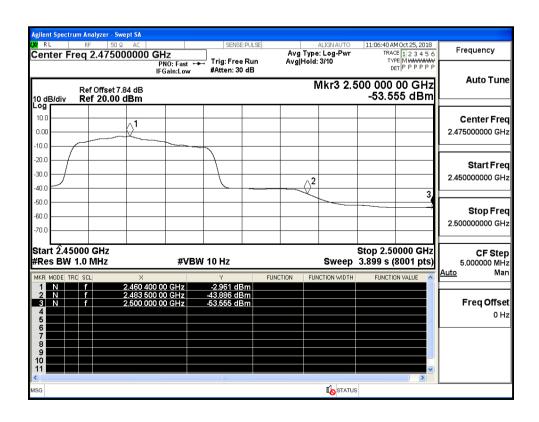
#### Restrict-band band-edge measurements\_11N20SISO\_2412\_Ant1\_AV

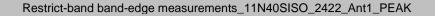


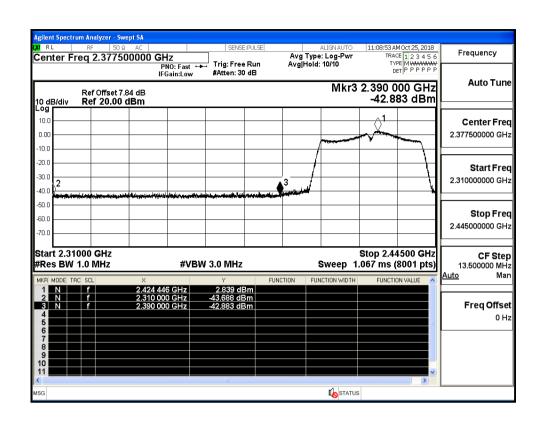
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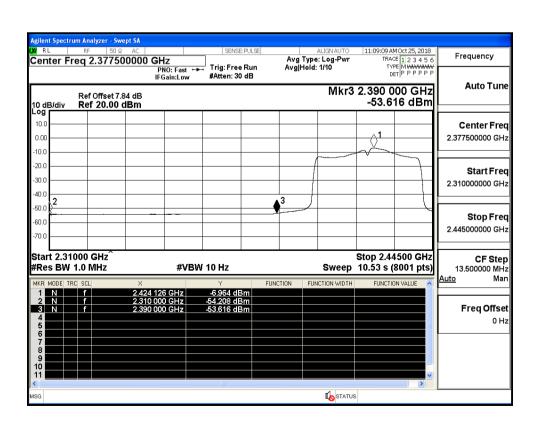
#### Restrict-band band-edge measurements\_11N20SISO\_2462\_Ant1\_AV

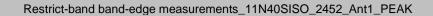


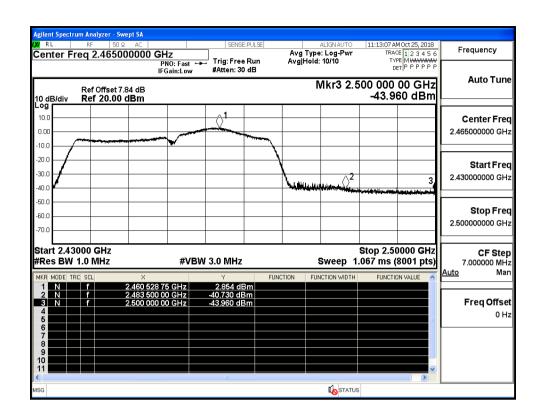




#### Restrict-band band-edge measurements\_11N40SISO\_2422\_Ant1\_AV







#### Restrict-band band-edge measurements\_11N40SISO\_2452\_Ant1\_AV

