Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

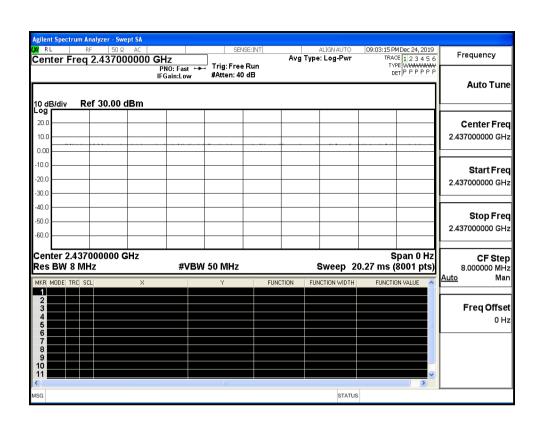
Product Name: Smartphone Trade Mark: Hyundai Test Model: Eternity G50W

Environmental Conditions

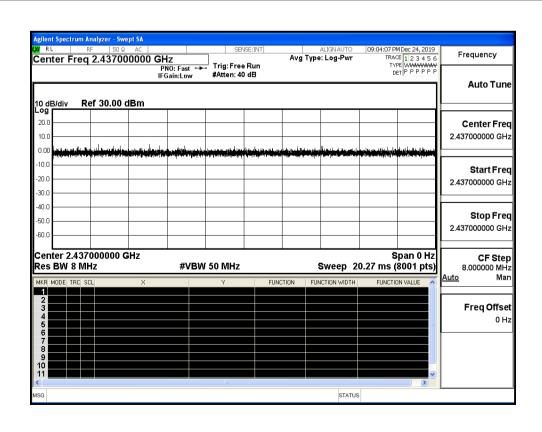
Temperature:	24.3°C						
Relative Humidity:	53.1%						
ATM Pressure:	100.0 kPa						
Test Engineer:	Diamond Lu						
Supervised by:	Li Huan						

C.1 Duty Cycle

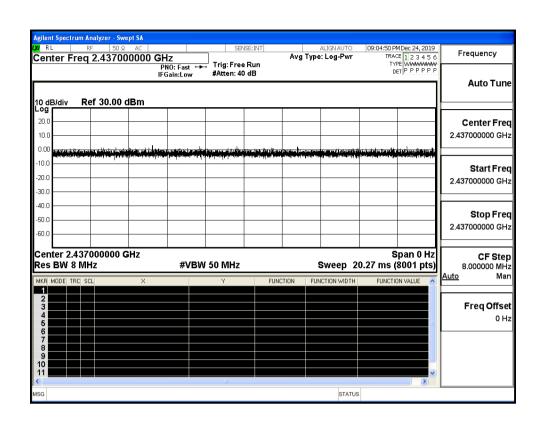
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant1	100	PASS
11G	2437	Ant1	100	PASS
11N20SISO	2437	Ant1	100	PASS
11N40SISO	2437	Ant1	100	PASS



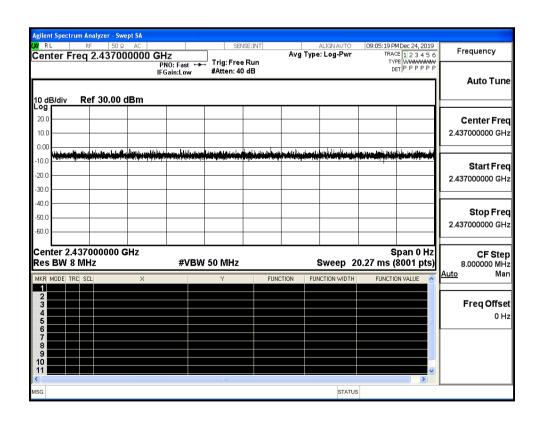
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N40SISO_2437_Ant1



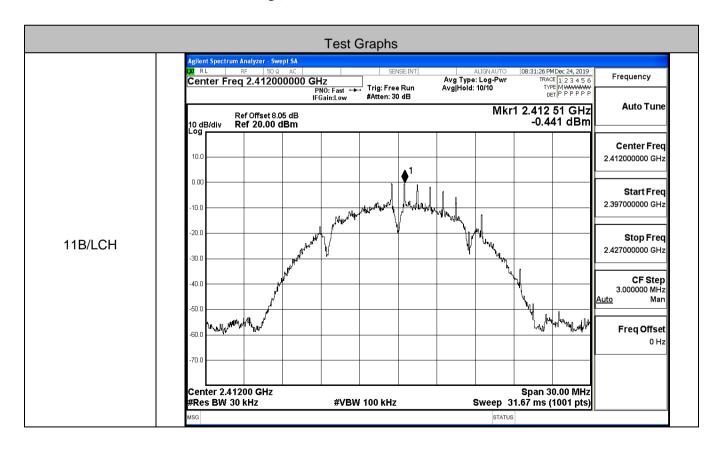
C.2 Maximum Conducted Output Power

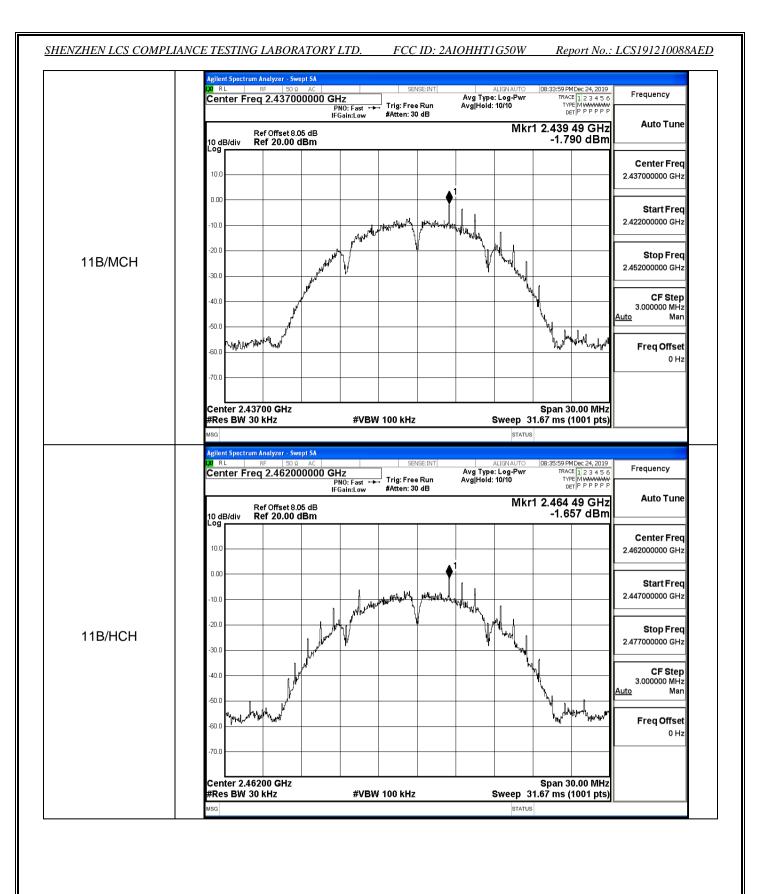
Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
	LCH	10.29	30	PASS
11B	MCH	10.03	30	PASS
	HCH	10.55	30	PASS
	LCH	11.27	30	PASS
11G	MCH	11.33	30	PASS
	HCH	11.66	30	PASS
	LCH	11.27	30	PASS
11N20SISO	MCH	11.33	30	PASS
	HCH	11.67	30	PASS
	LCH	11.5	30	PASS
11N40SISO	MCH	11.58	30	PASS
	HCH	11.74	30	PASS

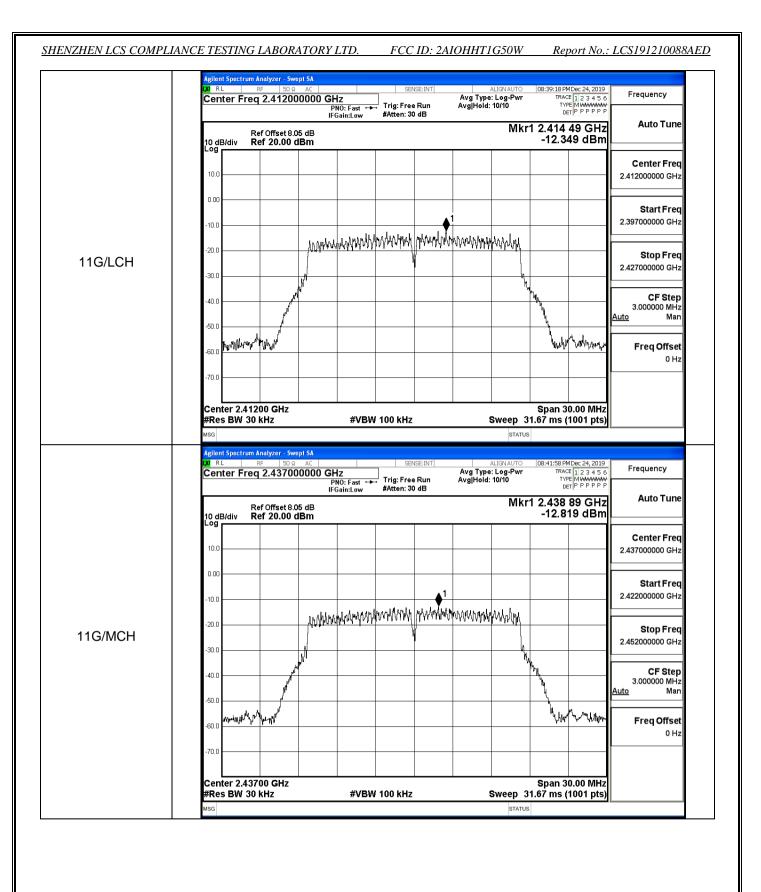
C.3 Maximum Power Spectral Density

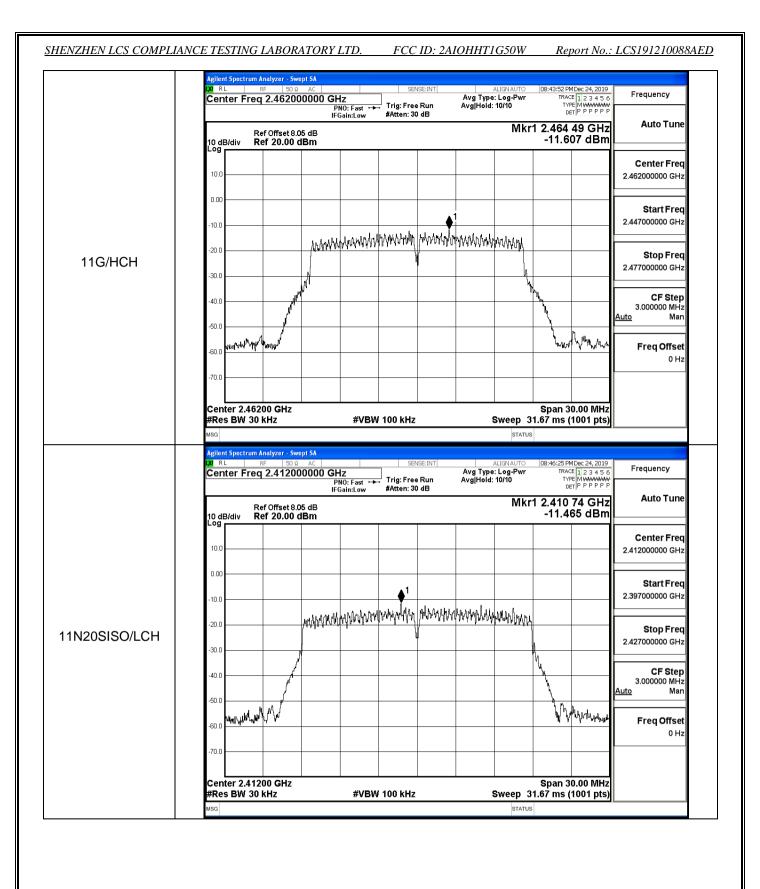
Mode	Channel	Meas.Level [dBm/30KHz]	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
	LCH	-0.441	-10.441	8	PASS
11B	МСН	-1.790	-11.790	8	PASS
	НСН	-1.657	-11.657	8	PASS
	LCH	-12.349	-22.349	8	PASS
11G	МСН	-12.819	-22.819	8	PASS
	нсн	-11.607	-21.607	8	PASS
	LCH	-11.465	-21.465	8	PASS
11N20SISO	MCH	-12.199	-22.199	8	PASS
	НСН	-11.772	-21.772	8	PASS
	LCH	-15.669	-25.669	8	PASS
11N40SISO	MCH	-15.163	-25.163	8	PASS
-	НСН	-14.970	-24.970	8	PASS

***Note: The Convert Factor = $10*\log(3KHz/30KHz) = -10$









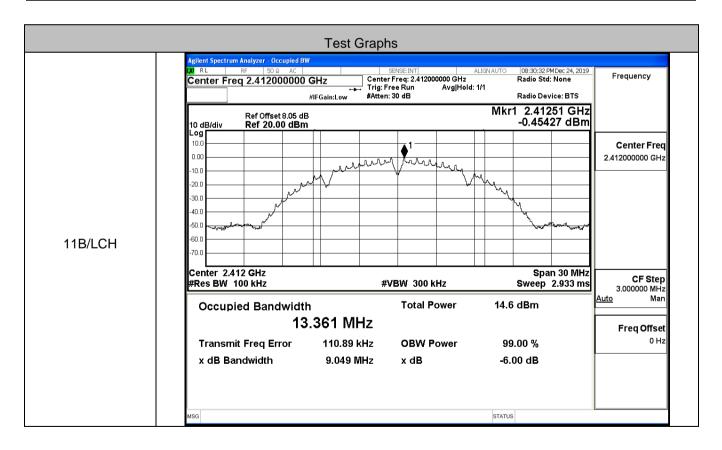
#VBW 100 kHz

Span 60.00 MHz Sweep 63.27 ms (1001 pts)

Center 2.45200 GHz #Res BW 30 kHz

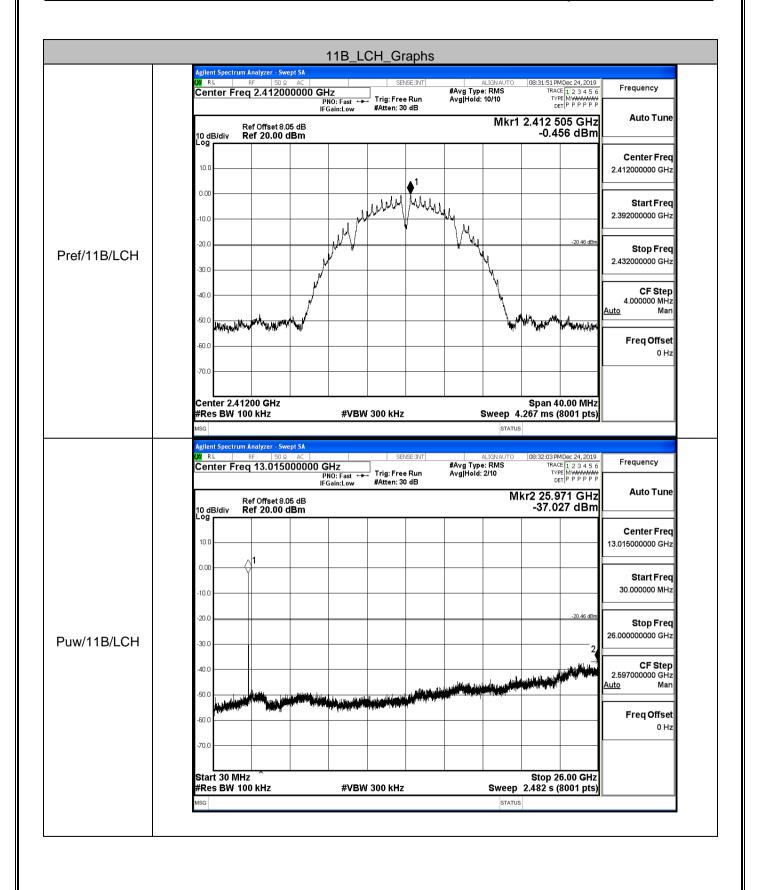
C.4 6dB Bandwidth

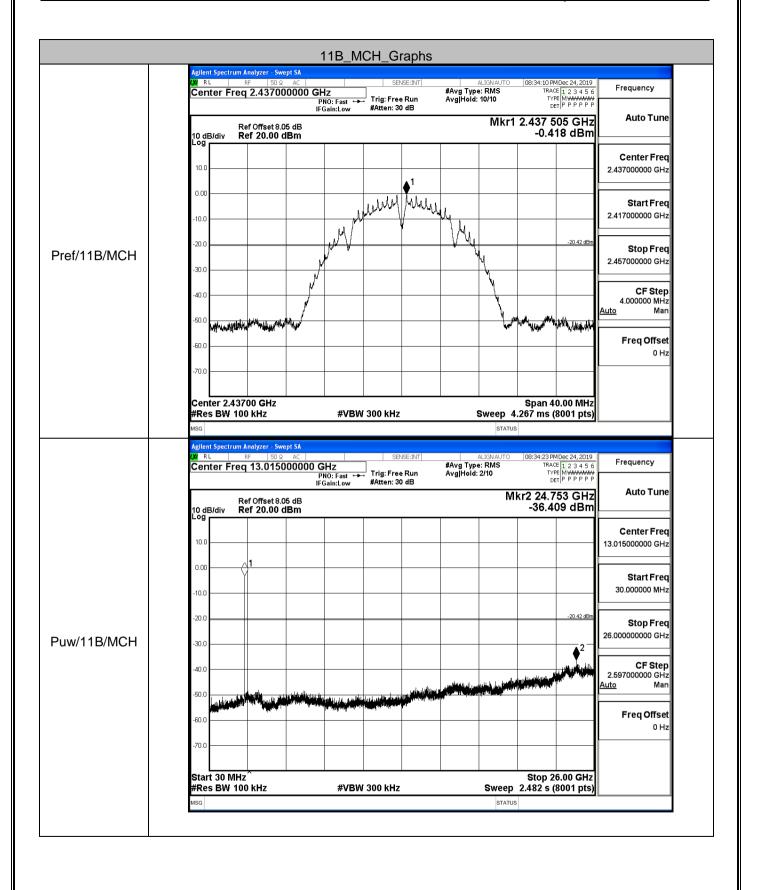
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	9.049	≥0.5	PASS
11B	MCH	8.106	≥0.5	PASS
	HCH	9.043	≥0.5	PASS
	LCH	15.51	≥0.5	PASS
11G	MCH	15.51	≥0.5	PASS
	HCH	15.75	≥0.5	PASS
	LCH	16.00	≥0.5	PASS
11N20SISO	MCH	16.07	≥0.5	PASS
	HCH	16.31	≥0.5	PASS
	LCH	35.20	≥0.5	PASS
11N40SISO	MCH	35.39	≥0.5	PASS
	HCH	35.17	≥0.5	PASS

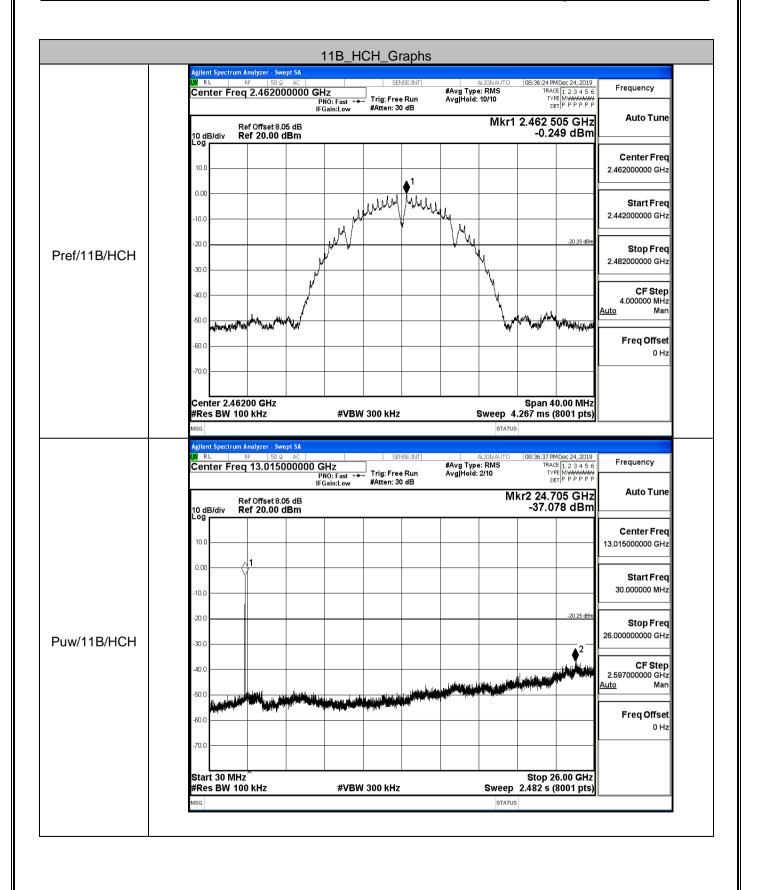


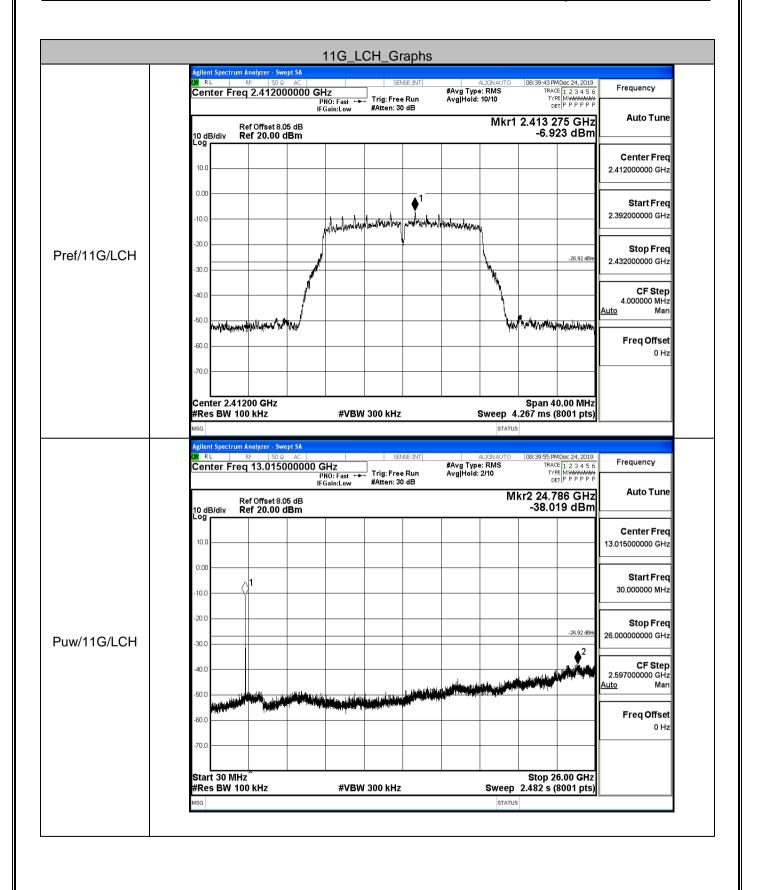
C.5 RF Conducted Spurious Emissions

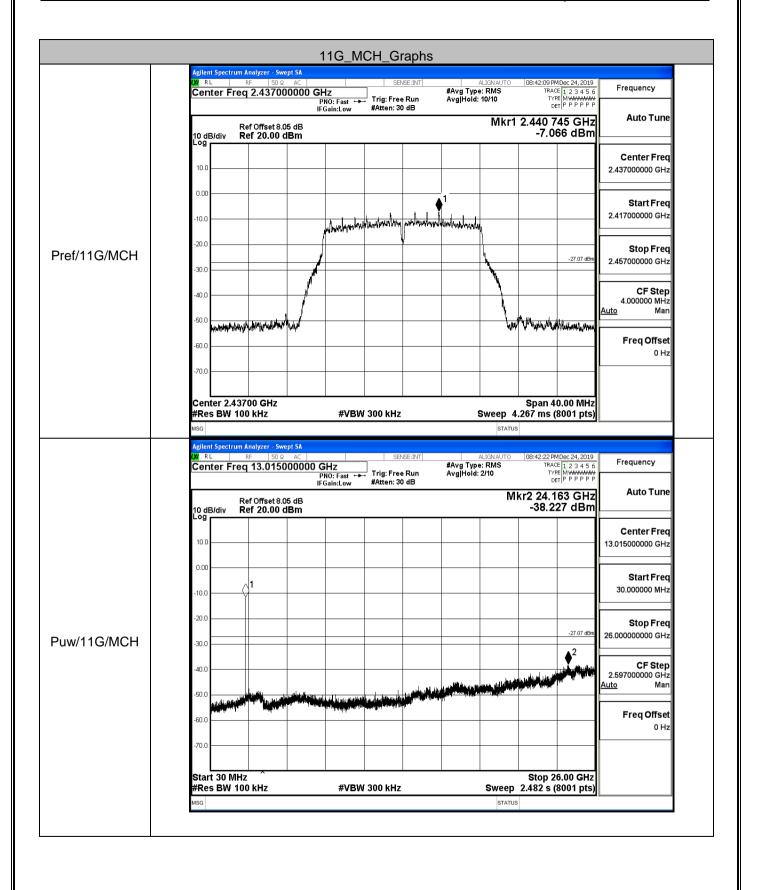
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-0.456	-37.027	-20.456	PASS
11B	MCH	-0.418	-36.409	-20.418	PASS
	HCH	-0.249	-37.078	-20.249	PASS
	LCH	-6.923	-38.019	-26.923	PASS
11G	MCH	-7.066	-38.227	-27.066	PASS
	нсн	-7.22	-37.724	-27.220	PASS
	LCH	-6.87	-36.791	-26.870	PASS
11N20	MCH	-7.005	-37.819	-27.005	PASS
SISO	НСН	-7.132	-37.178	-27.132	PASS
	LCH	-9.855	-36.893	-29.855	PASS
11N40	MCH	-9.354	-38.053	-29.354	PASS
SISO	HCH	-9.44	-38.381	-29.440	PASS

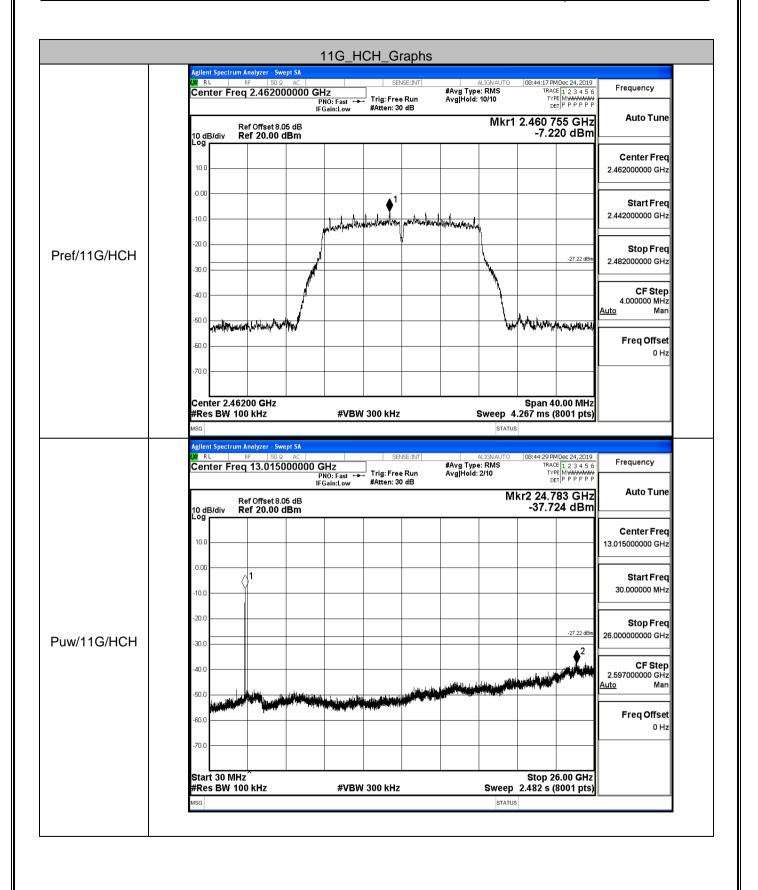


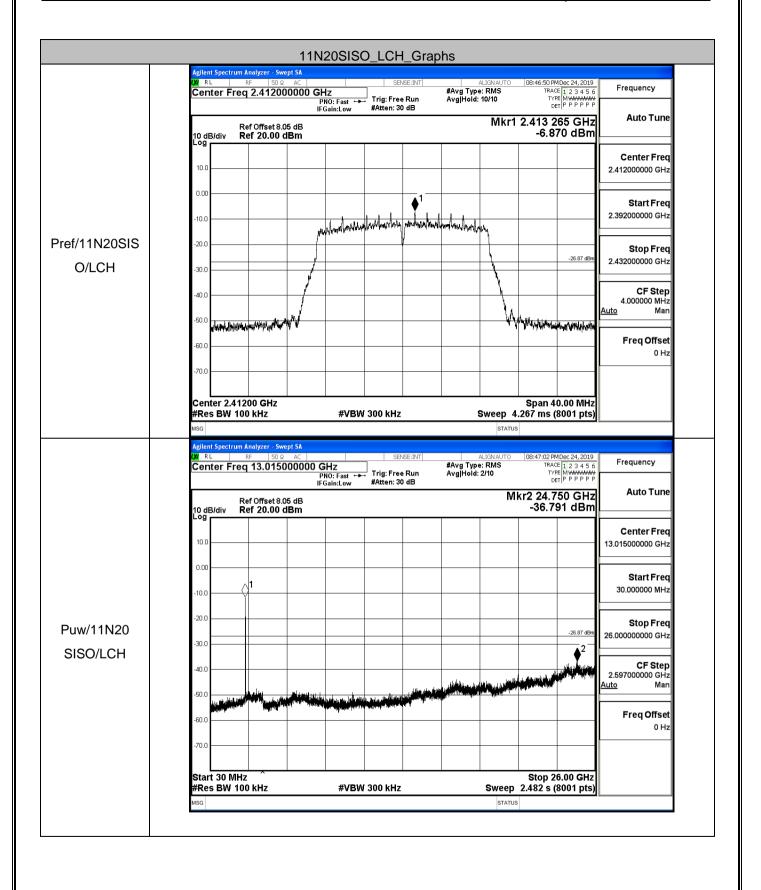


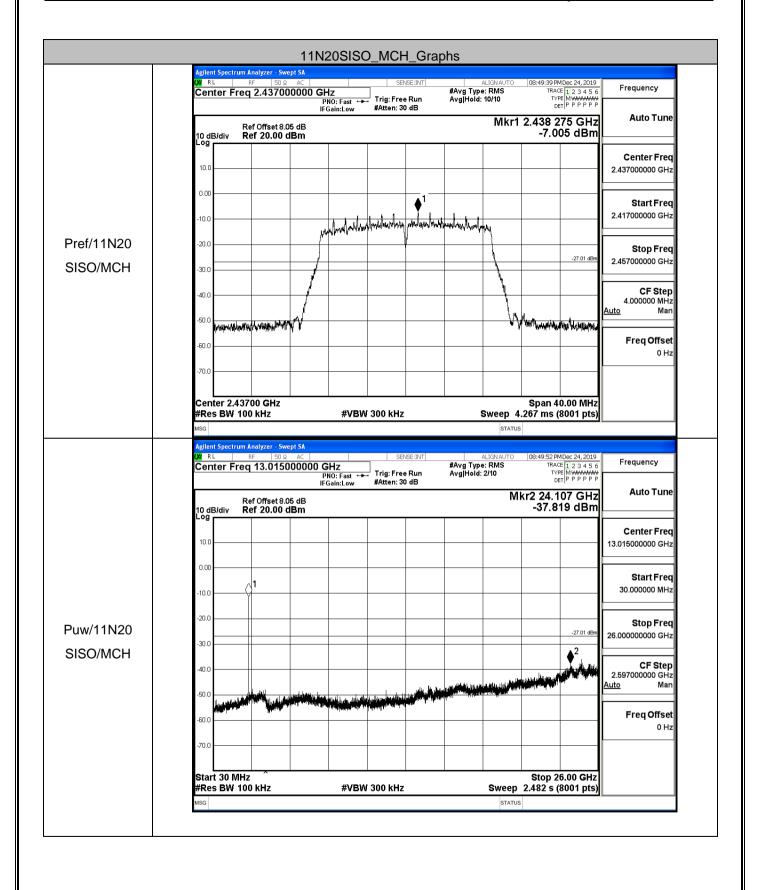


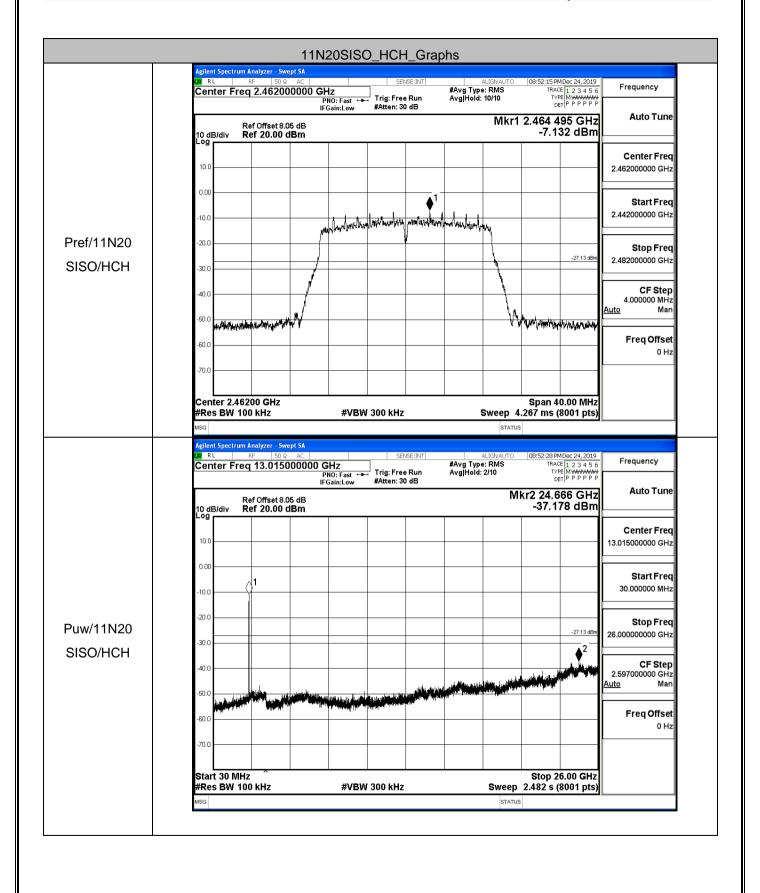


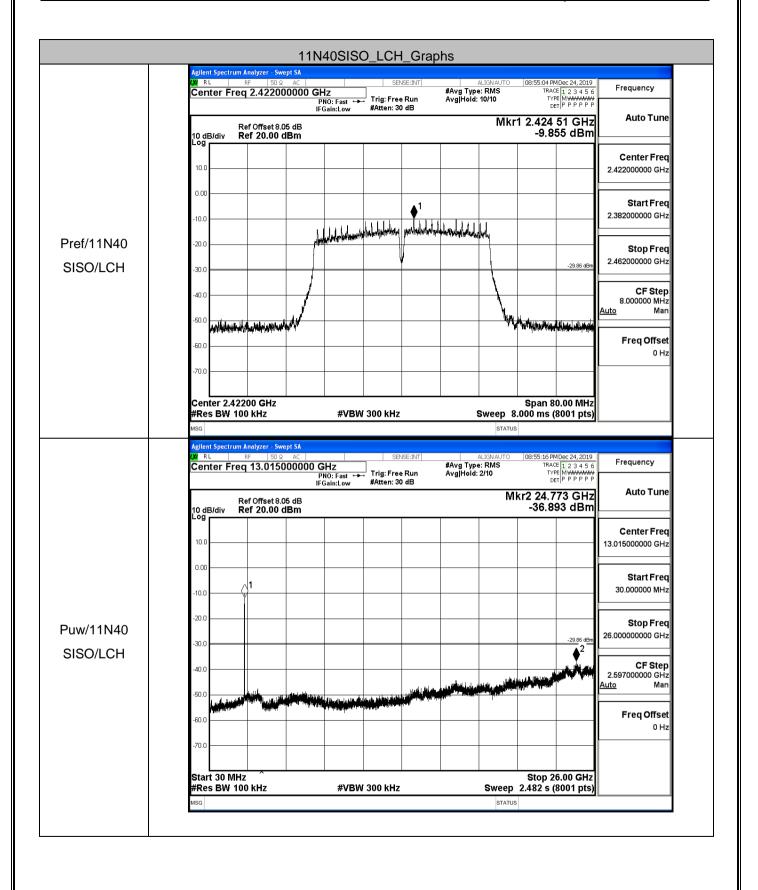


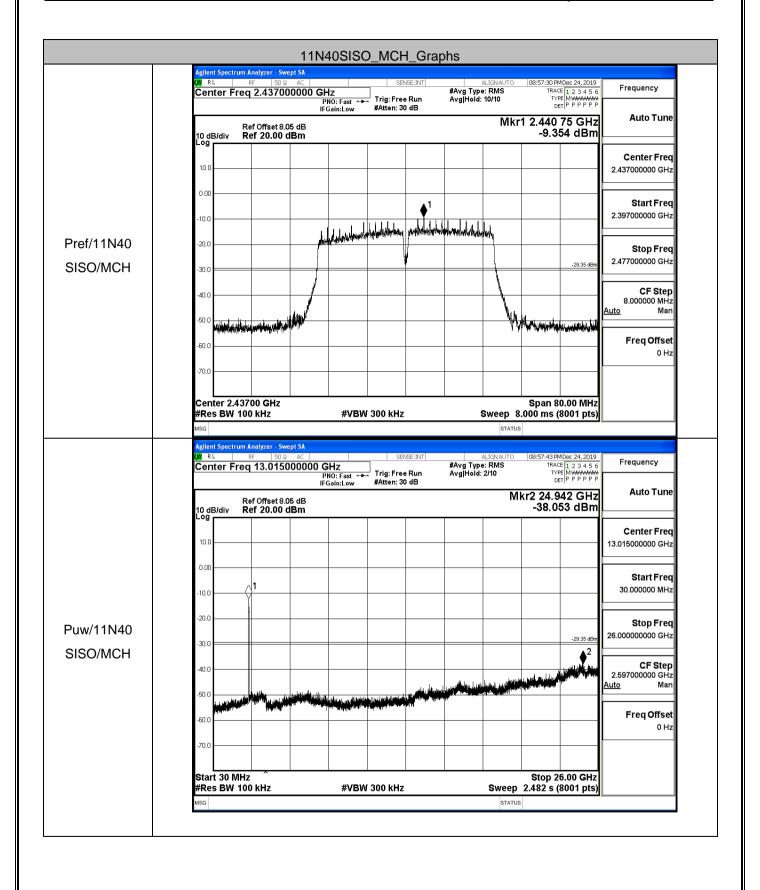


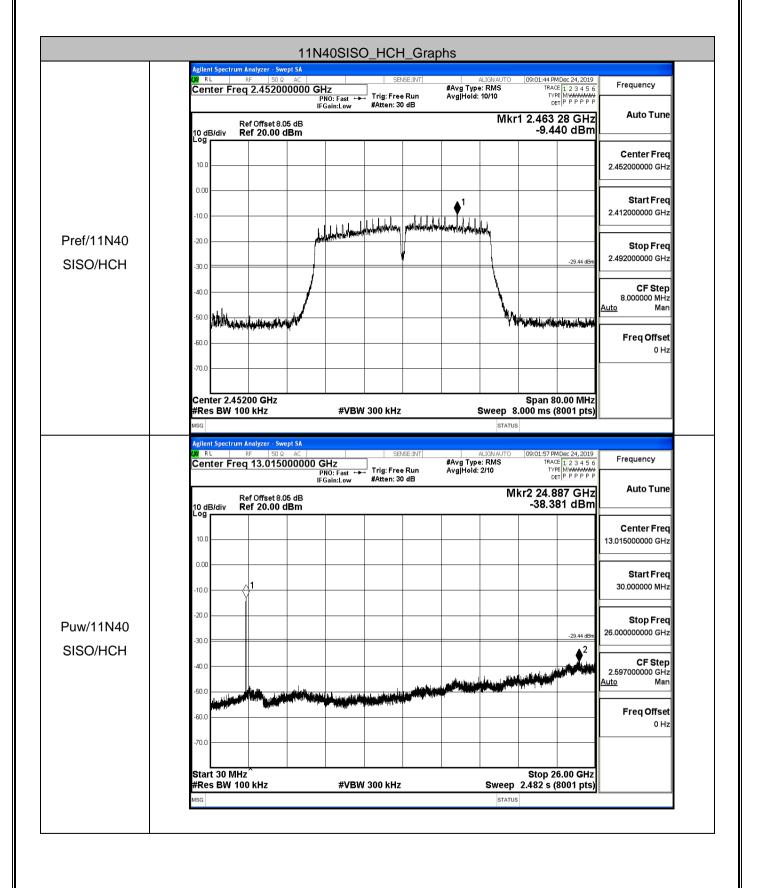






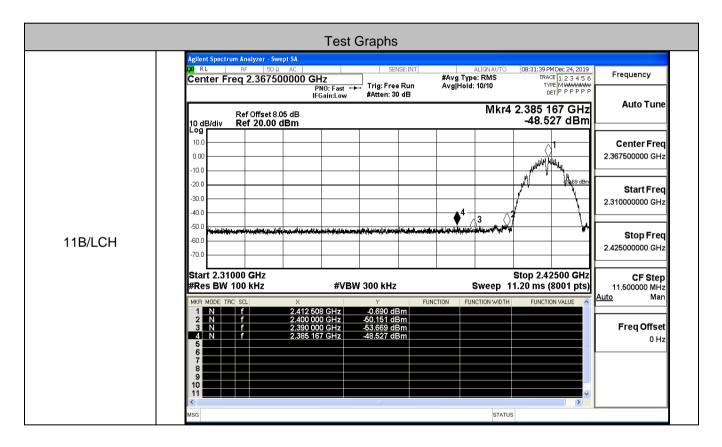






C.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
5	LCH	-0.690	-48.527	-20.69	PASS
11B	HCH	0.028	-48.698	-19.97	PASS
	LCH	-7.294	-48.876	-27.29	PASS
11G	HCH	-7.478	-49.184	-27.48	PASS
	LCH	-6.847	-48.950	-26.85	PASS
11N20SISO	HCH	-6.488	-48.681	-26.49	PASS
	LCH	-9.859	-49.252	-29.86	PASS
11N40SISO	HCH	-8.986	-49.129	-28.99	PASS

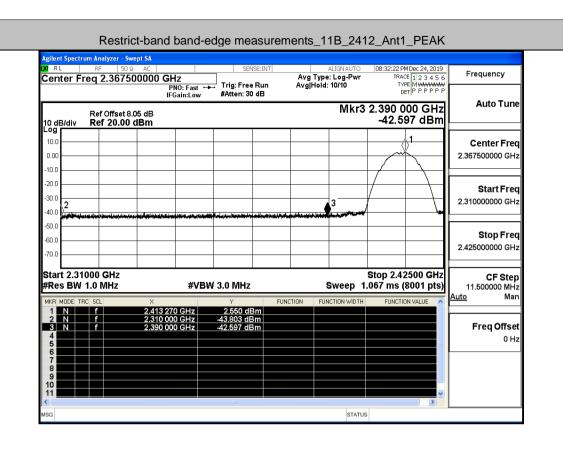


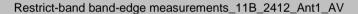
STATUS

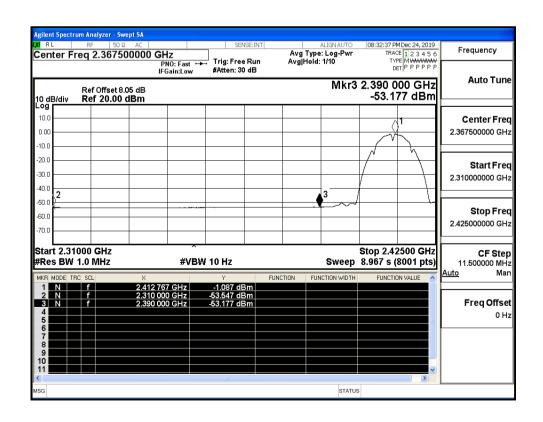
C.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBu V/m]	Verdict
	2412	Ant1	2310.0	-43.80	2.0	0	53.43	PEAK	74	PASS
	2412	Ant1	2310.0	-53.55	2.0	0	43.68	AV	54	PASS
	2412	Ant1	2390.0	-42.60	2.0	0	54.63	PEAK	74	PASS
4.45	2412	Ant1	2390.0	-53.18	2.0	0	44.05	AV	54	PASS
11B	2462	Ant1	2483.5	-42.66	2.0	0	54.57	PEAK	74	PASS
	2462	Ant1	2483.5	-52.73	2.0	0	44.50	AV	54	PASS
	2462	Ant1	2500.0	-41.73	2.0	0	55.50	PEAK	74	PASS
	2462	Ant1	2500.0	-52.58	2.0	0	44.65	AV	54	PASS
	2412	Ant1	2310.0	-42.64	2.0	0	54.59	PEAK	74	PASS
	2412	Ant1	2310.0	-53.51	2.0	0	43.72	AV	54	PASS
	2412	Ant1	2390.0	-40.77	2.0	0	56.46	PEAK	74	PASS
	2412	Ant1	2390.0	-53.03	2.0	0	44.20	AV	54	PASS
11G	2462	Ant1	2483.5	-42.62	2.0	0	54.61	PEAK	74	PASS
	2462	Ant1	2483.5	-52.56	2.0	0	44.67	AV	54	PASS
	2462	Ant1	2500.0	-41.81	2.0	0	55.42	PEAK	74	PASS
	2462	Ant1	2500.0	-52.47	2.0	0	44.76	AV	54	PASS
	2412	Ant1	2310.0	-42.74	2.0	0	54.49	PEAK	74	PASS
	2412	Ant1	2310.0	-53.49	2.0	0	43.74	AV	54	PASS
	2412	Ant1	2390.0	-42.35	2.0	0	54.88	PEAK	74	PASS
11N20	2412	Ant1	2390.0	-53.05	2.0	0	44.18	AV	54	PASS
SISO	2462	Ant1	2483.5	-41.77	2.0	0	55.46	PEAK	74	PASS
	2462	Ant1	2483.5	-52.57	2.0	0	44.66	AV	54	PASS
	2462	Ant1	2500.0	-41.35	2.0	0	55.88	PEAK	74	PASS
	2462	Ant1	2500.0	-52.44	2.0	0	44.79	AV	54	PASS
11N40	2422	Ant1	2310.0	-43.94	2.0	0	53.29	PEAK	74	PASS
SISO	2422	Ant1	2310.0	-53.55	2.0	0	43.68	AV	54	PASS

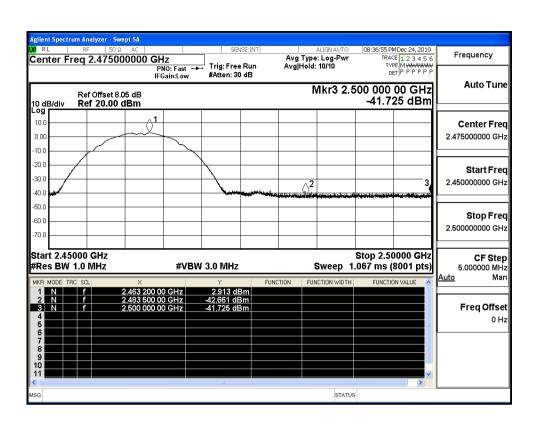
S	<u>SHENZHEN L</u>	.CS COMP.	<i>LIANCE</i>	<u>TESTING LA</u>	<u> BORATORY L'</u>	TD	<u>FCC ID: 2AIOHH</u>	<u> HT1G50W</u>	Report No.:	LCS19	<u>1210088AE.</u>	D
						ı	T	T	1	ı	1	
		2422	Ant1	2390.0	-42.74	2.0	0	54.49	PEAK	74	PASS	
		2422	Ant1	2390.0	-52.98	2.0	0	44.25	AV	54	PASS	
		2452	Ant1	2483.5	-42.31	2.0	0	54.92	PEAK	74	PASS	
		2452	Ant1	2483.5	-52.44	2.0	0	44.79	AV	54	PASS	
		2452	Ant1	2500.0	-42.01	2.0	0	55.22	PEAK	74	PASS	
		2452	Ant1	2500.0	-52.49	2.0	0	44.74	AV	54	PASS	



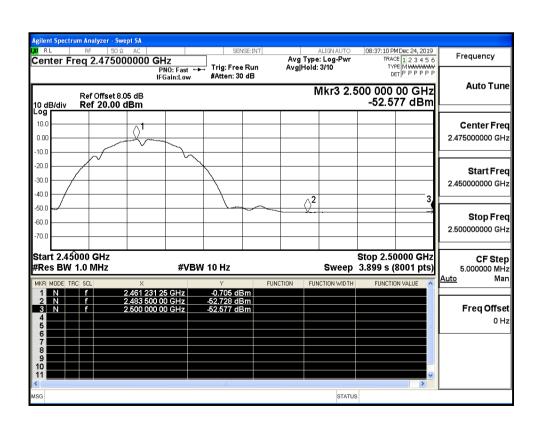


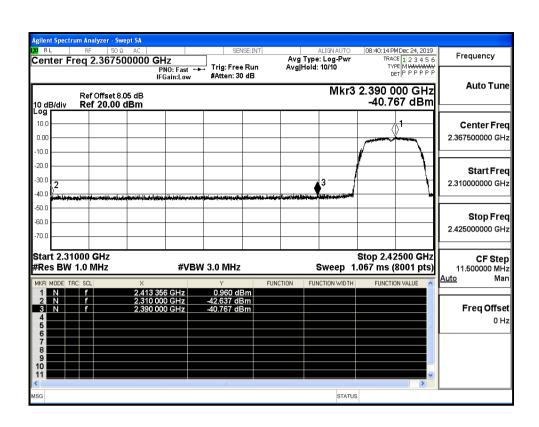


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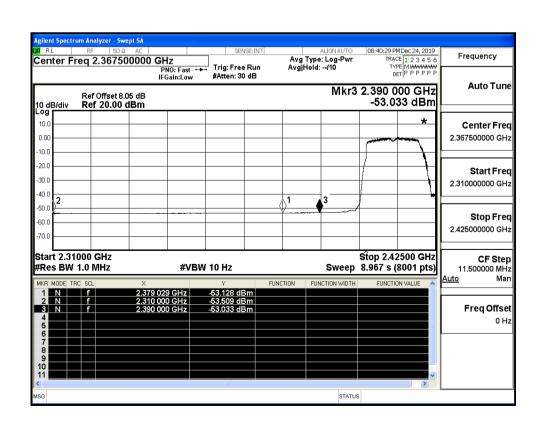


Restrict-band band-edge measurements_11B_2462_Ant1_AV

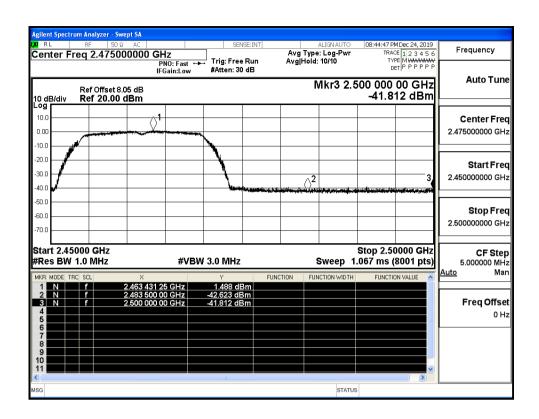




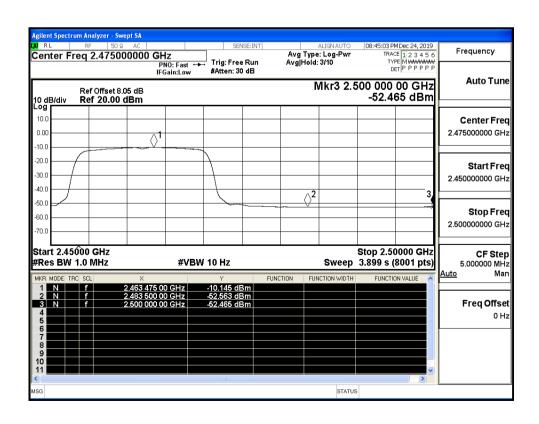
Restrict-band band-edge measurements_11G_2412_Ant1_AV



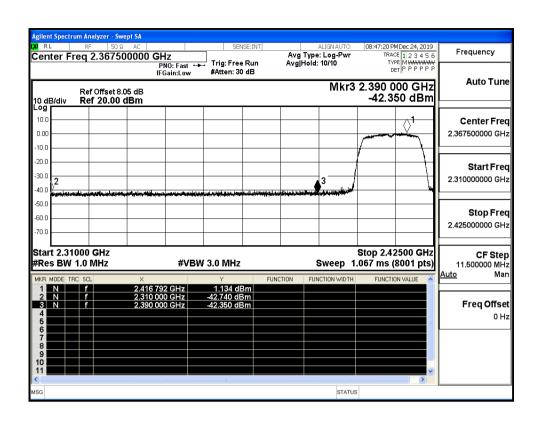
Restrict-band band-edge measurements_11G_2462_Ant1_PEAK



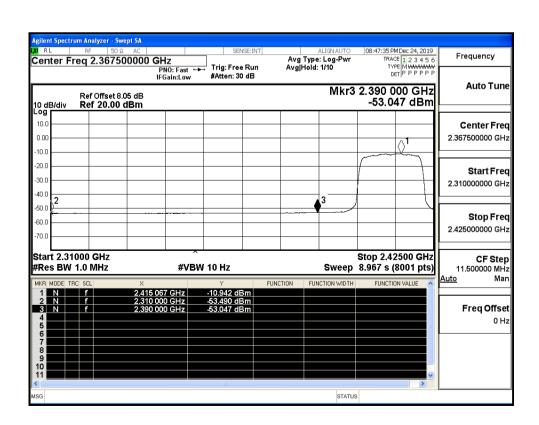
Restrict-band band-edge measurements_11G_2462_Ant1_AV



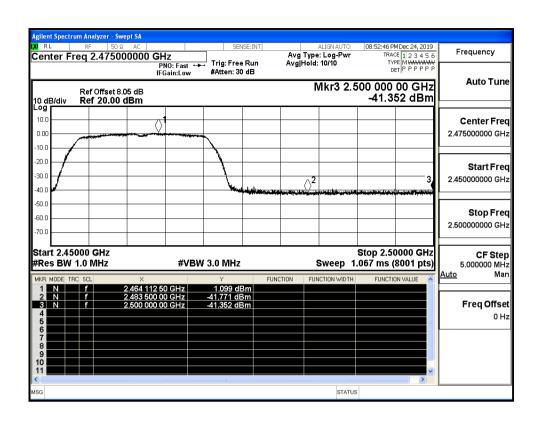
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_PEAK



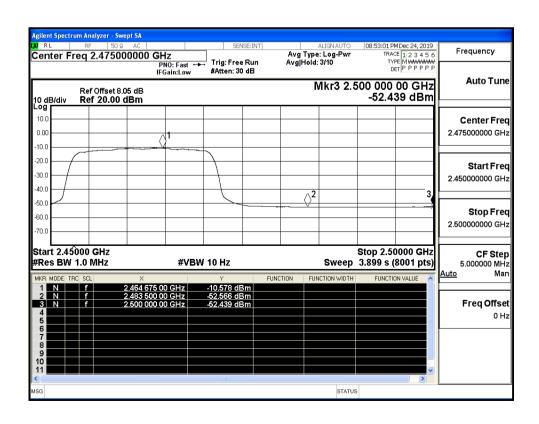
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_AV

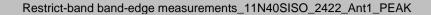


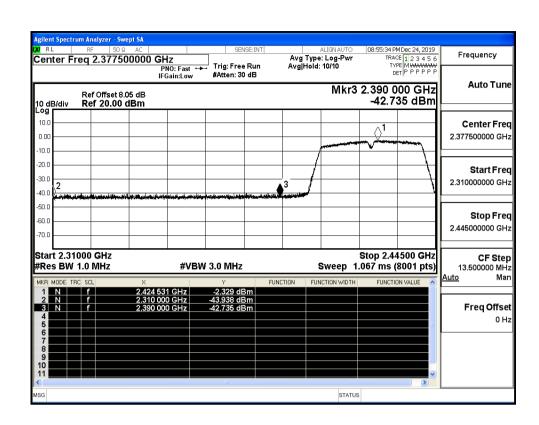
Restrict-band band-edge measurements_11N20SISO_2462_Ant1_PEAK



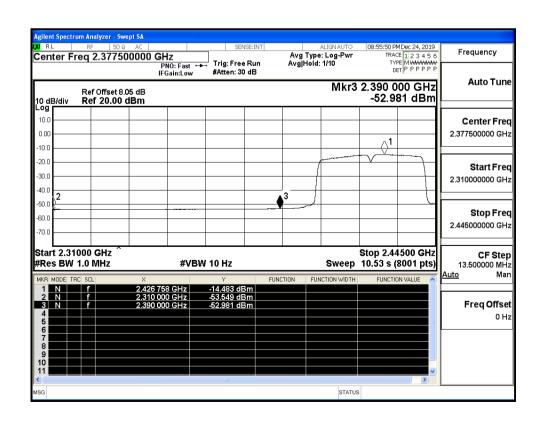
Restrict-band band-edge measurements_11N20SISO_2462_Ant1_AV

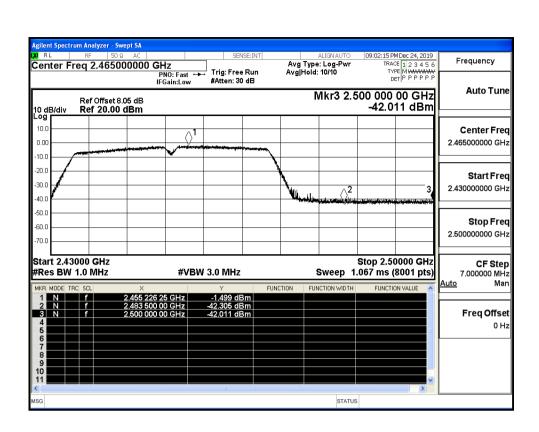






Restrict-band band-edge measurements_11N40SISO_2422_Ant1_AV





Restrict-band band-edge measurements_11N40SISO_2452_Ant1_AV

