Appendix B

RF Test Data for 2.4G WIFI (Conducted Measurement)

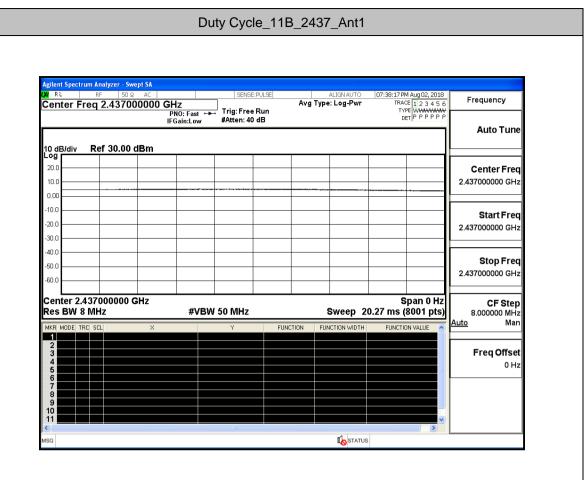
Product Name: Lapbook Trade Mark: Fusion5 Test Model: T90B+ Pro

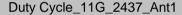
Environmental Conditions

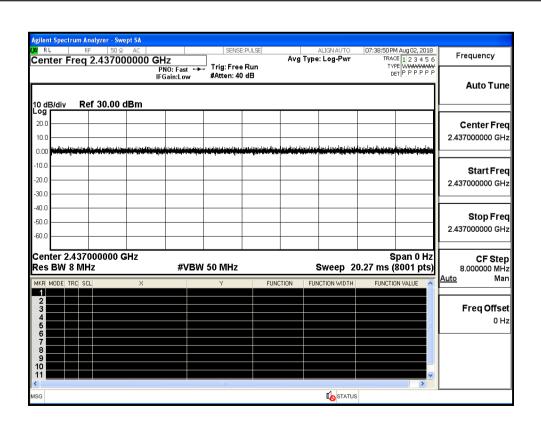
	_ -	
	Temperature:	24.6 ° C
	Relative Humidity:	52.4%
ATM Pressure: Test Engineer:		100.0 kPa
		Tom.Liu
	Supervised by:	Jayden.Zhuo

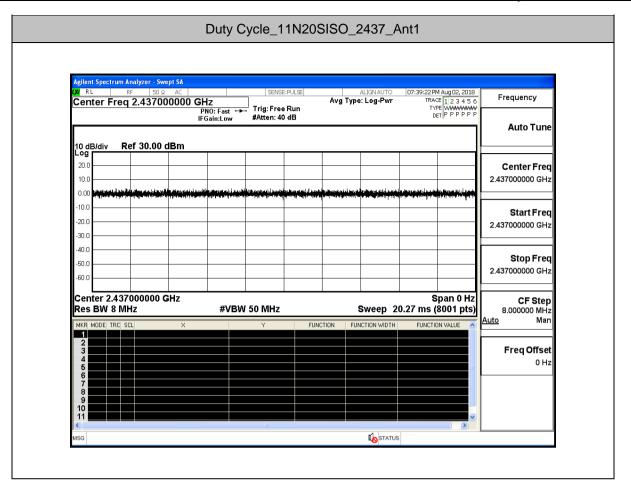
B.1 Duty Cycle

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







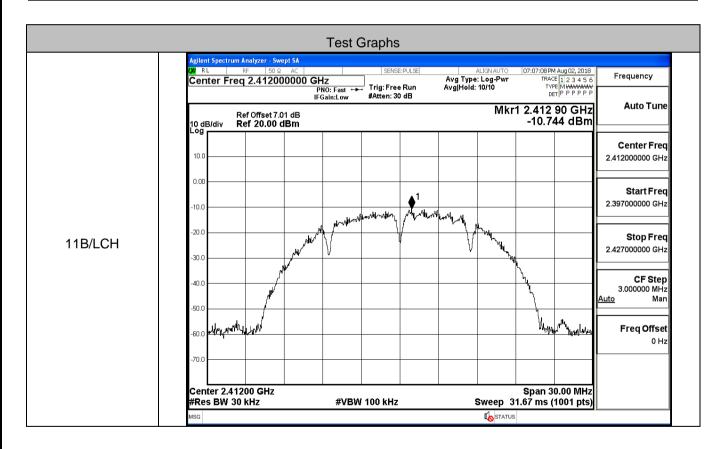


B.2 Maximum Conducted Output Peak Power

Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
	LCH	10.94	30	PASS
11B	MCH	11.09	30	PASS
	HCH	10.61	30	PASS
	LCH	12.71	30	PASS
11G	MCH	12.99	30	PASS
	HCH	12.78	30	PASS
	LCH	13.29	30	PASS
11N20SISO	MCH	13.19	30	PASS
	HCH	12.78	30	PASS

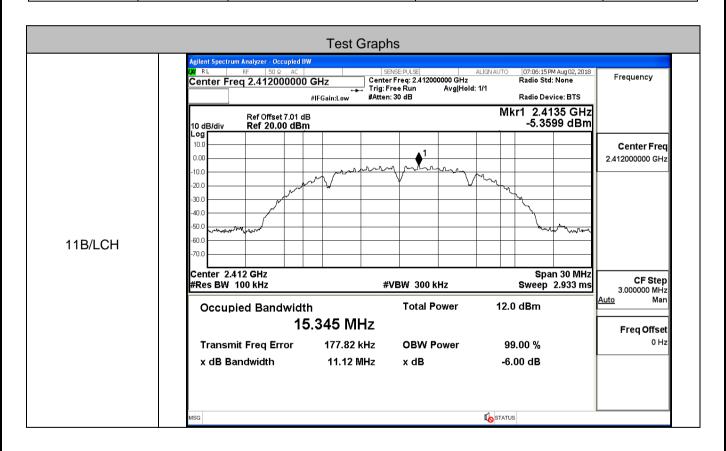
B.3 Maximum Power Spectral Density

Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
	LCH	-10.744	8	PASS
11B	MCH	-10.486	8	PASS
	HCH	-10.699	8	PASS
	LCH	-12.803	8	PASS
11G	MCH	-13.234	8	PASS
	HCH	-12.194	8	PASS
	LCH	-13.561	8	PASS
11N20SISO	MCH	-14.013	8	PASS
	HCH	-6.947	8	PASS



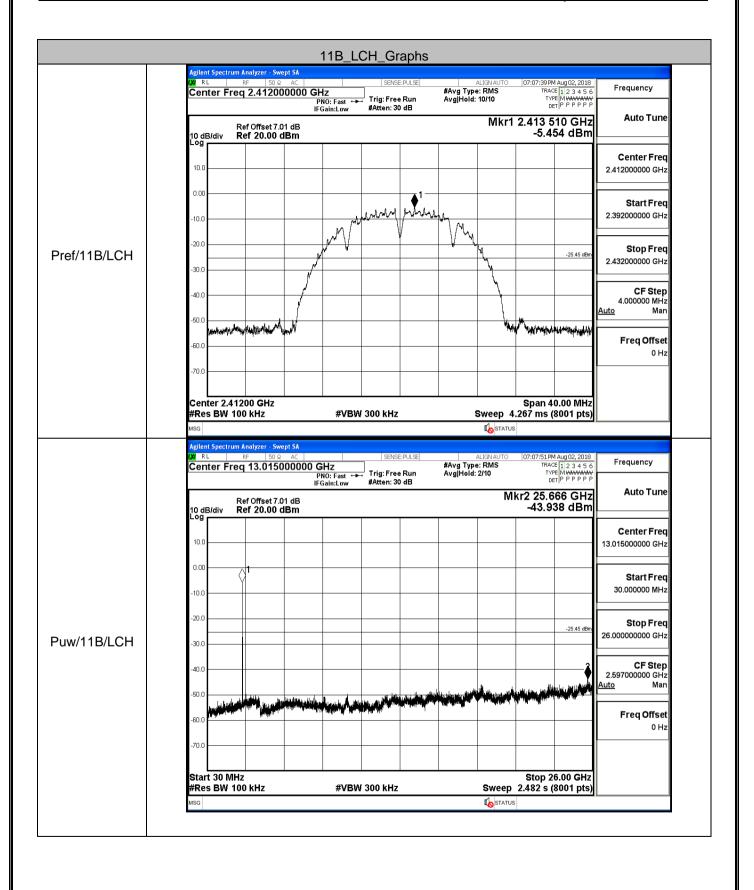
B.4 6dB Bandwidth

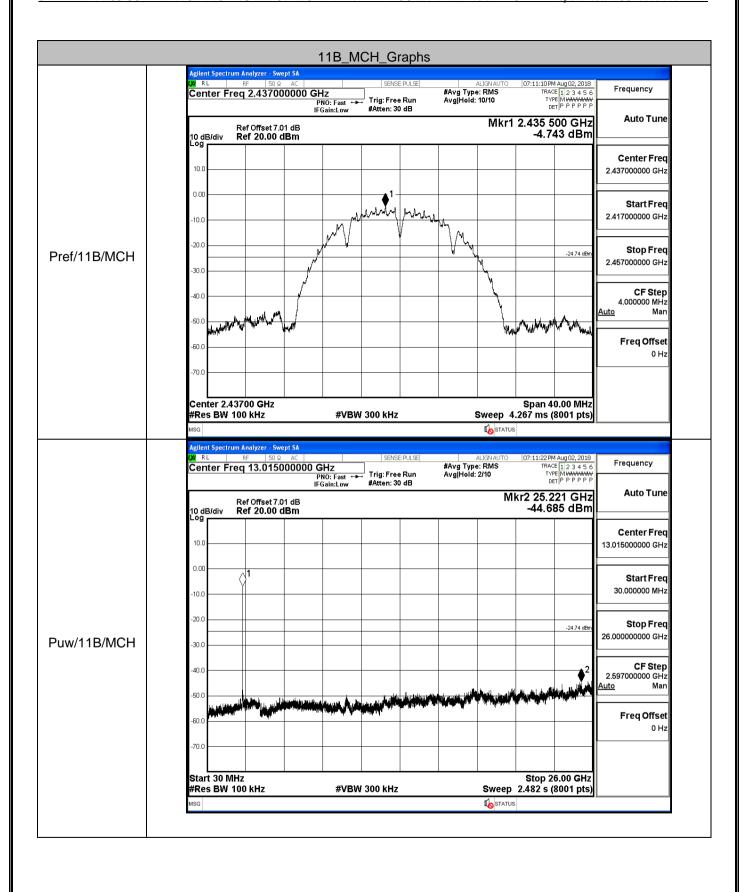
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	11.12	≥0.5	PASS
11B	MCH	9.667	≥0.5	PASS
	HCH	9.159	≥0.5	PASS
	LCH	16.61	≥0.5	PASS
11G	MCH	16.52	≥0.5	PASS
	HCH	16.54	≥0.5	PASS
	LCH	17.82	≥0.5	PASS
11N20SISO	MCH	17.74	≥0.5	PASS
	HCH	17.77	≥0.5	PASS

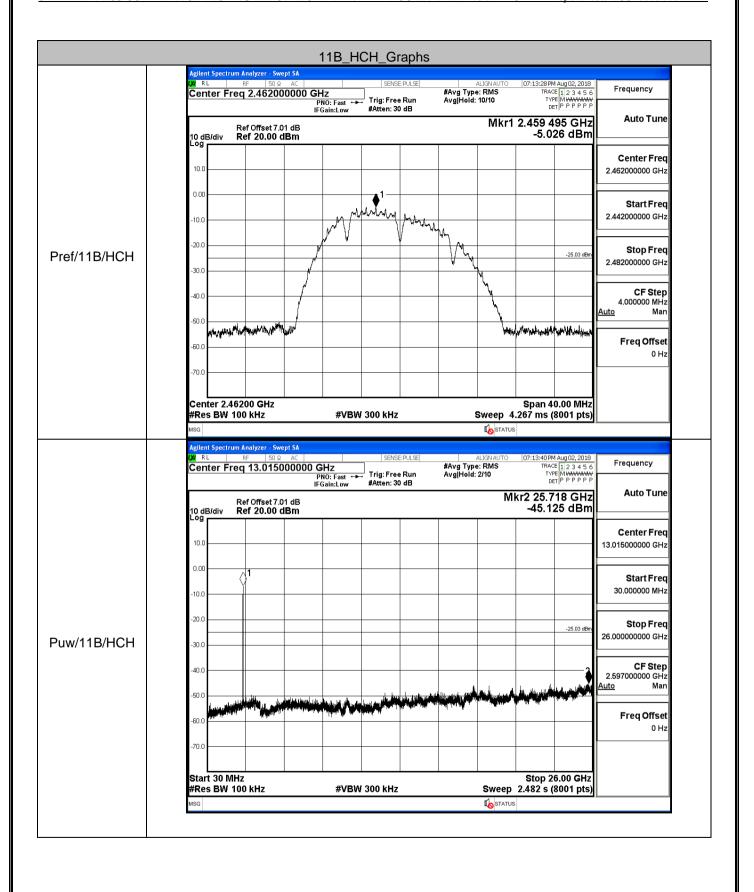


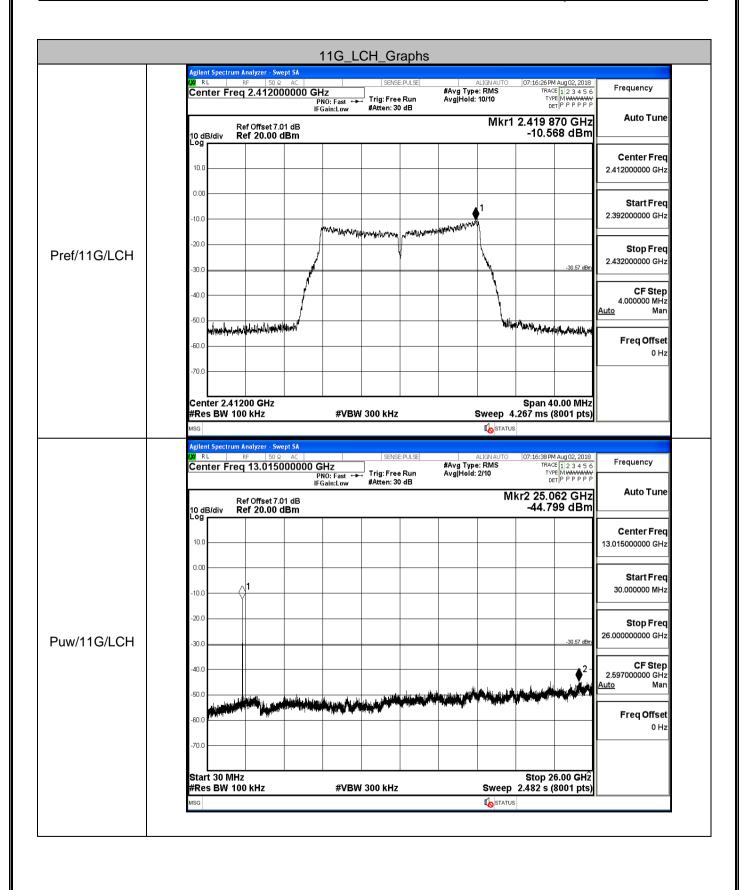
B.5 RF Conducted Spurious Emissions

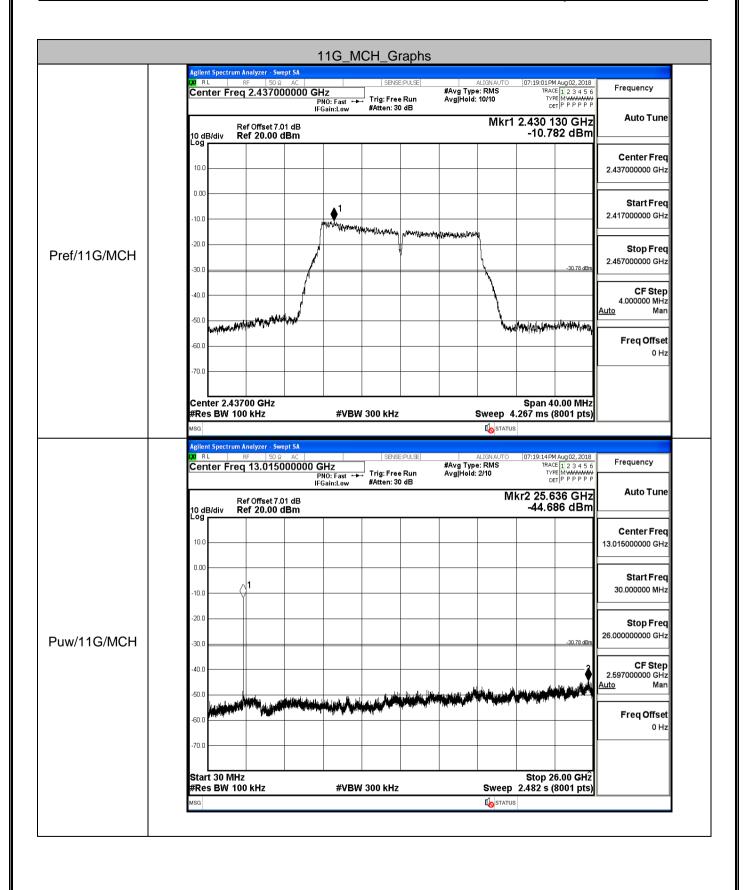
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-5.454	-43.938	-25.454	PASS
11B	MCH	-4.743	-44.685	-24.743	PASS
	HCH	-5.026	-45.125	-25.026	PASS
	LCH	-10.568	-44.799	-30.568	PASS
11G	MCH	-10.782	-44.686	-30.782	PASS
	HCH	-8.901	-45.053	-28.901	PASS
	LCH	-9.622	-43.908	-29.622	PASS
11N20	MCH	-11.639	-44.753	-31.639	PASS
SISO	HCH	-4.593	-44.803	-24.593	PASS

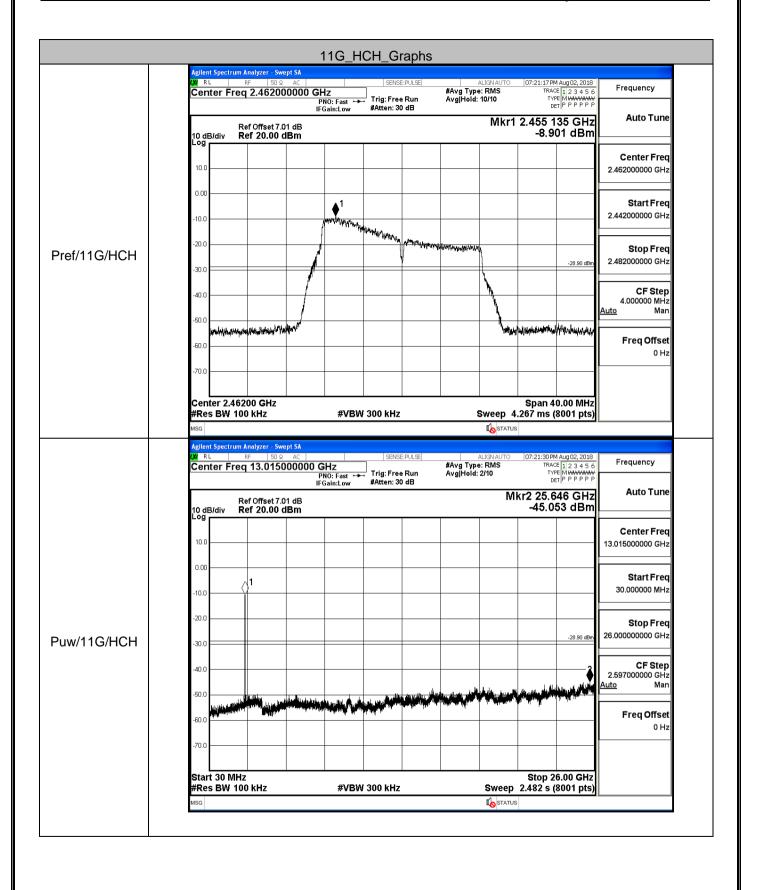


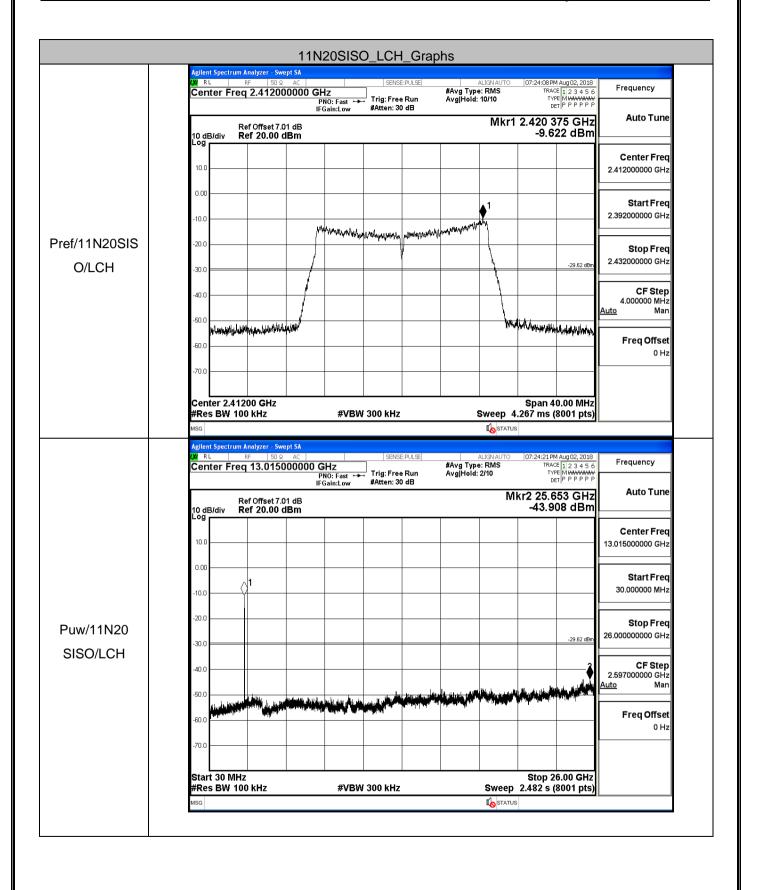


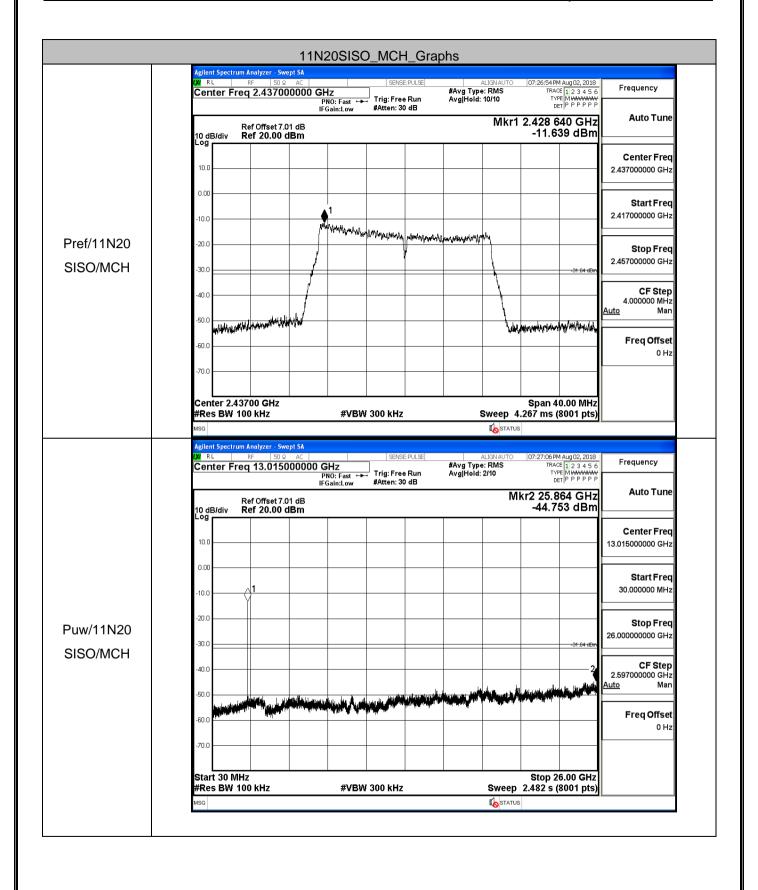


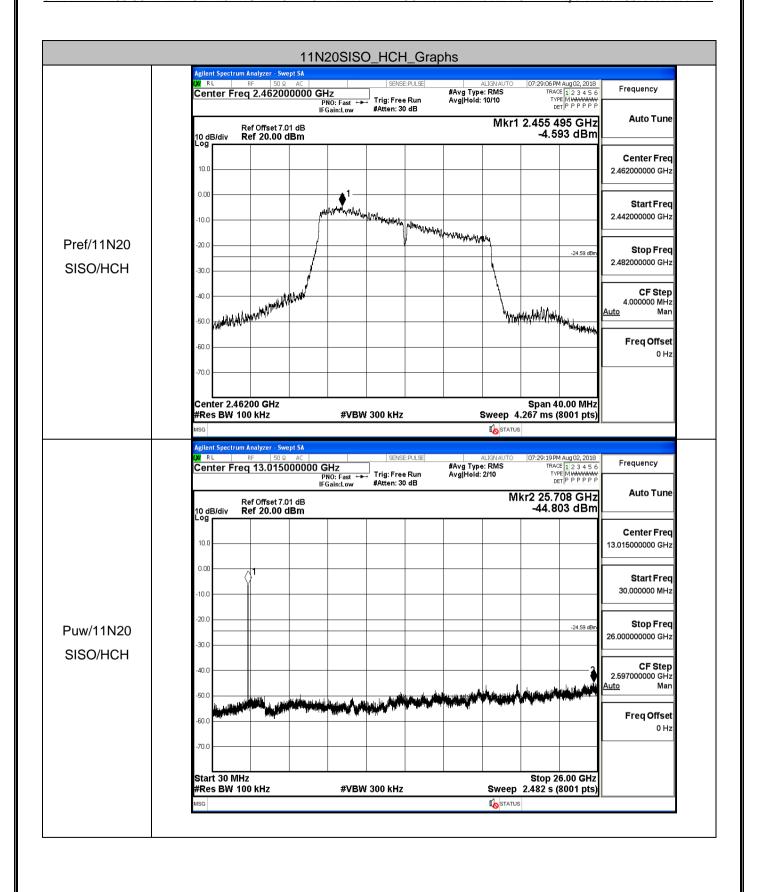






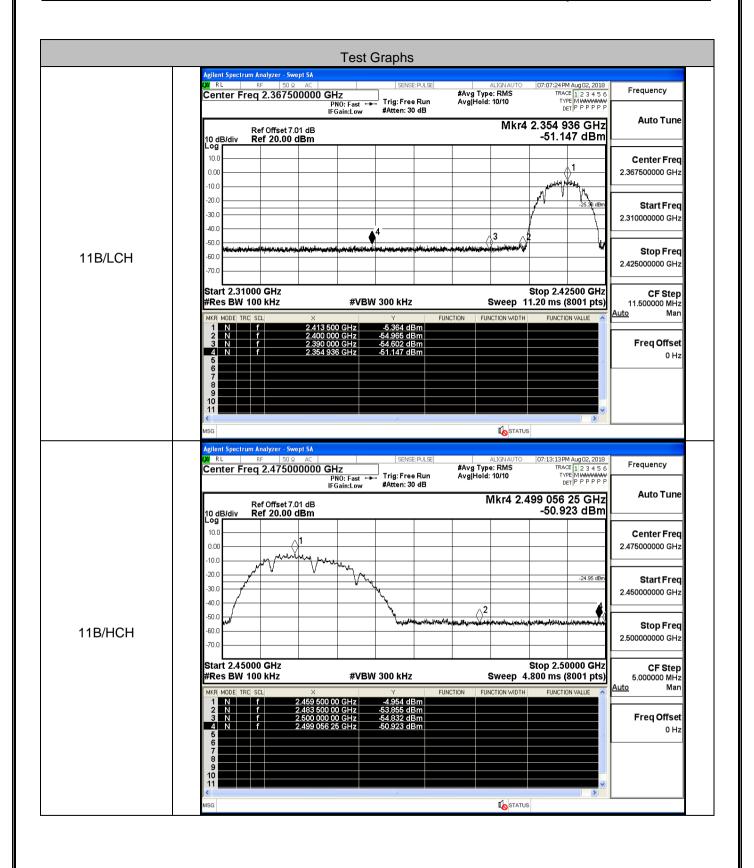






B.6 Band-edge for RF Conducted Emissions

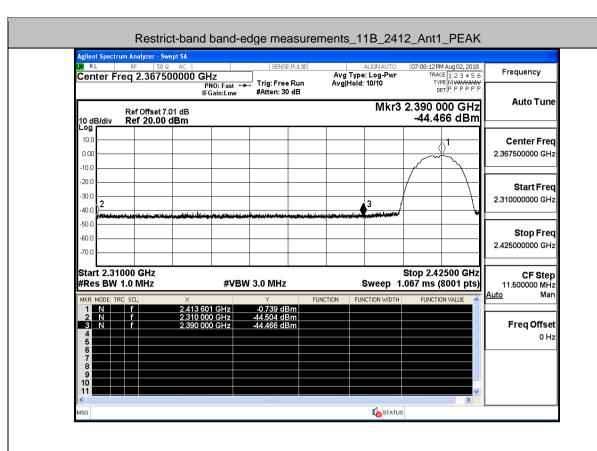
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
	LCH	-5.364	-51.147	-25.36	PASS
11B	HCH	-4.954	-50.923	-24.95	PASS
_	LCH	-10.542	-51.169	-30.54	PASS
11G	HCH	-8.972	-50.574	-28.97	PASS
	LCH	-10.369	-51.643	-30.37	PASS
11N20SISO	HCH	-4.532	-50.376	-24.53	PASS

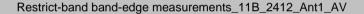


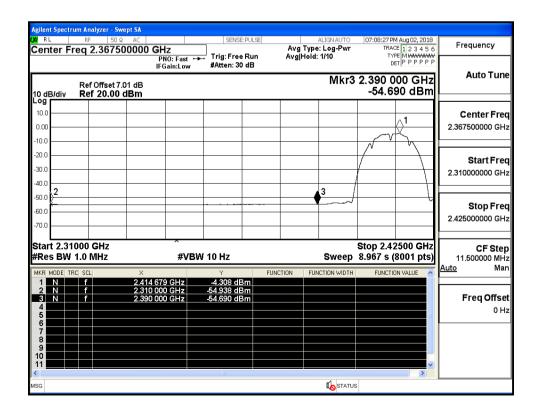
STATUS

B.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
	2412	Ant1	2310.0	-44.50	2.0	0	50.75	PEAK	74	PASS
	2412	Ant1	2310.0	-54.94	2.0	0	40.32	AV	54	PASS
	2412	Ant1	2390.0	-44.47	2.0	0	50.79	PEAK	74	PASS
11B	2412	Ant1	2390.0	-54.69	2.0	0	40.57	AV	54	PASS
IID	2462	Ant1	2483.5	-43.69	2.0	0	51.57	PEAK	74	PASS
	2462	Ant1	2483.5	-54.49	2.0	0	40.77	AV	54	PASS
	2462	Ant1	2500.0	-43.87	2.0	0	51.38	PEAK	74	PASS
	2462	Ant1	2500.0	-54.34	2.0	0	40.92	AV	54	PASS
	2412	Ant1	2310.0	-44.54	2.0	0	50.71	PEAK	74	PASS
	2412	Ant1	2310.0	-55.01	2.0	0	40.25	AV	54	PASS
	2412	Ant1	2390.0	-43.80	2.0	0	51.45	PEAK	74	PASS
11G	2412	Ant1	2390.0	-54.68	2.0	0	40.58	AV	54	PASS
116	2462	Ant1	2483.5	-43.23	2.0	0	52.02	PEAK	74	PASS
	2462	Ant1	2483.5	-54.44	2.0	0	40.82	AV	54	PASS
	2462	Ant1	2500.0	-43.58	2.0	0	51.68	PEAK	74	PASS
	2462	Ant1	2500.0	-54.37	2.0	0	40.89	AV	54	PASS
	2412	Ant1	2310.0	-44.84	2.0	0	50.42	PEAK	74	PASS
	2412	Ant1	2310.0	-54.96	2.0	0	40.30	AV	54	PASS
	2412	Ant1	2390.0	-44.34	2.0	0	50.92	PEAK	74	PASS
11N20	2412	Ant1	2390.0	-54.70	2.0	0	40.56	AV	54	PASS
SISO	2462	Ant1	2483.5	-43.89	2.0	0	51.37	PEAK	74	PASS
	2462	Ant1	2483.5	-54.02	2.0	0	41.24	AV	54	PASS
	2462	Ant1	2500.0	-43.55	2.0	0	51.71	PEAK	74	PASS
	2462	Ant1	2500.0	-54.31	2.0	0	40.95	AV	54	PASS

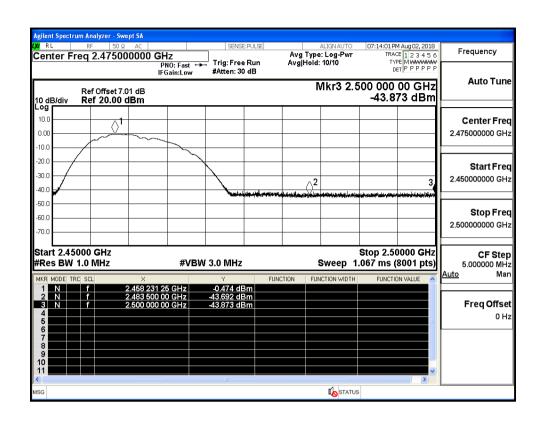




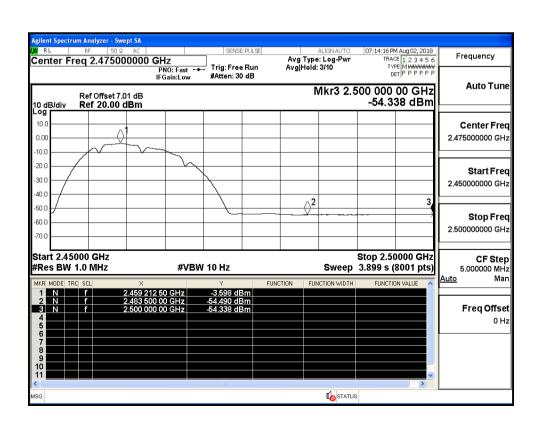


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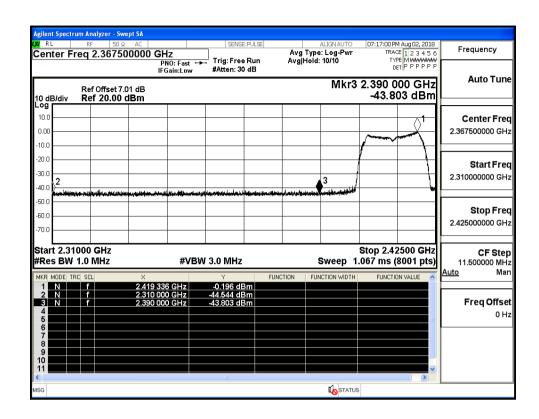
Restrict-band band-edge measurements_11B_2462_Ant1_PEAK



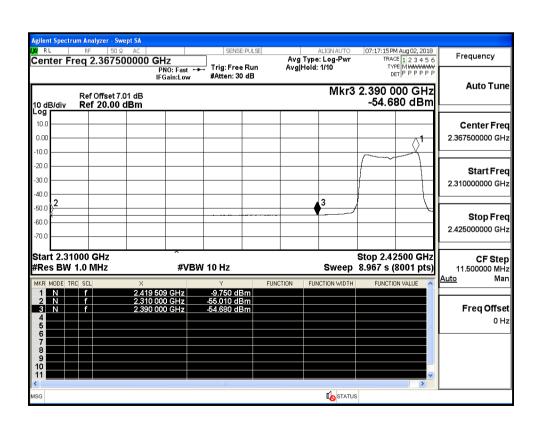
Restrict-band band-edge measurements_11B_2462_Ant1_AV



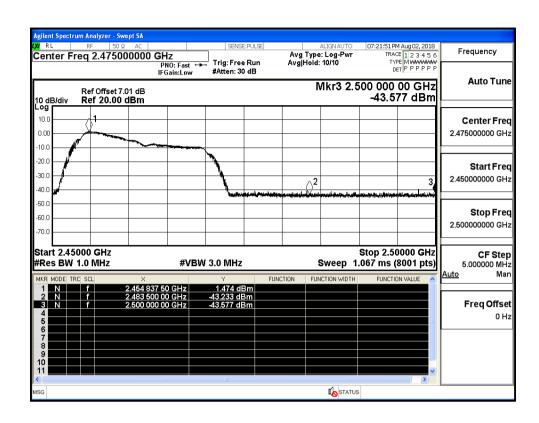
Restrict-band band-edge measurements_11G_2412_Ant1_PEAK



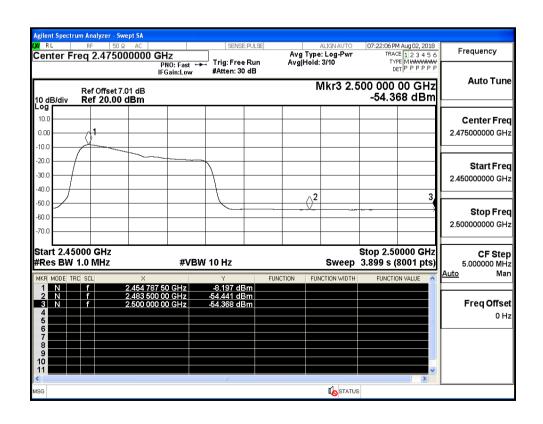
Restrict-band band-edge measurements_11G_2412_Ant1_AV



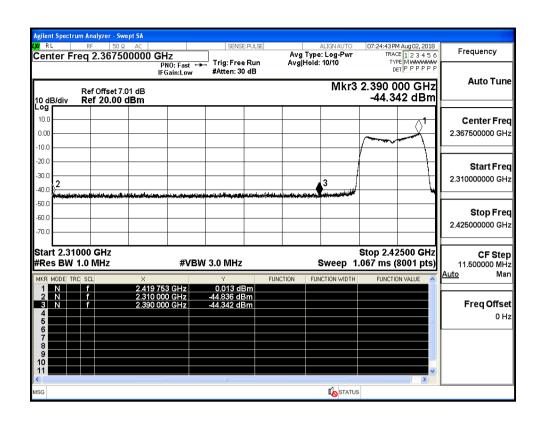
Restrict-band band-edge measurements_11G_2462_Ant1_PEAK



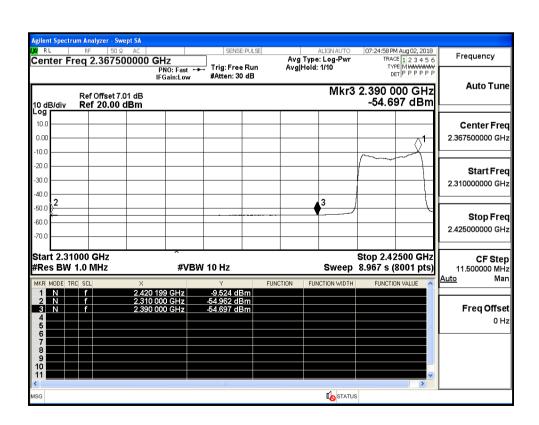
Restrict-band band-edge measurements_11G_2462_Ant1_AV



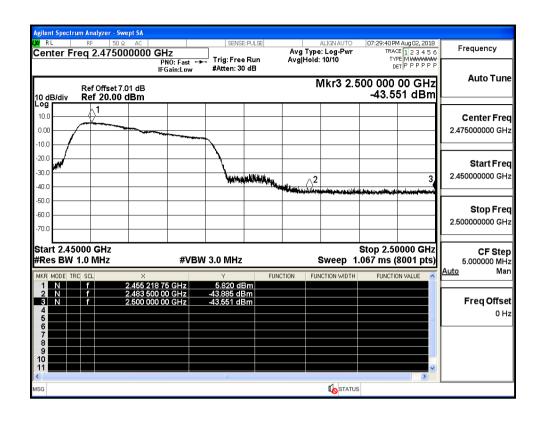
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_PEAK



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

