Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

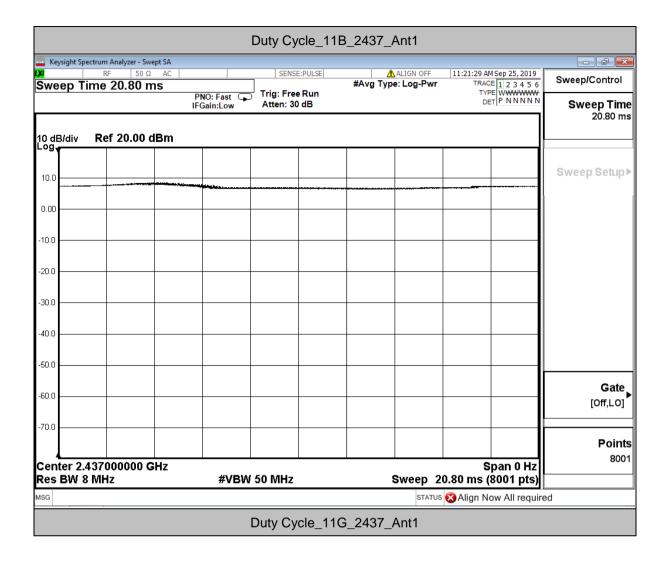
Product Name: Notebook
Trade Mark: EMATIC
Test Model: EWT148

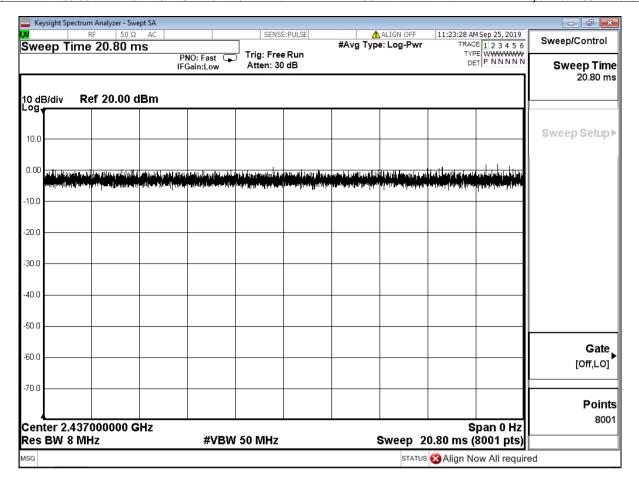
Environmental Conditions

	Temperature:	23.6 ° C					
Relative Humidity: ATM Pressure:		57%					
		100.0 kPa					
	Test Engineer:	CHUANG WANG					
	Supervised by:	JAYDEN ZHUO					

C.1 Duty Cycle

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



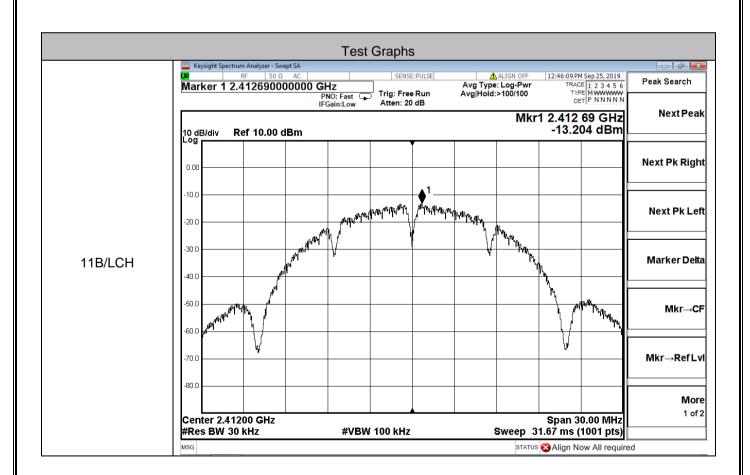


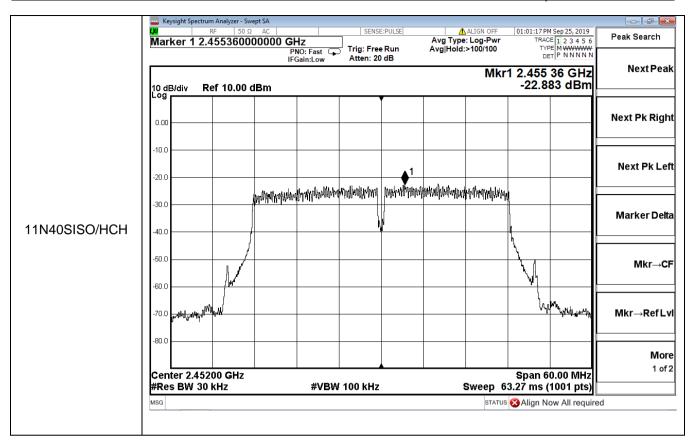
C.2 Maximum Conducted Output Power

Mode	Channel	Meas. Peak Level [dBm]	Limit [dBm]	Verdict
	LCH	6.438	30	PASS
11B	MCH	7.634	30	PASS
	HCH	8.332	30	PASS
	LCH	4.409	30	PASS
11G	MCH	5.512	30	PASS
	НСН	6.342	30	PASS
	LCH	4.220	30	PASS
11N20SISO	MCH	4.878	30	PASS
	НСН	5.928	30	PASS
	LCH	1.055	30	PASS
11N40SISO	MCH	2.254	30	PASS
	НСН	2.439	30	PASS

C.3 Maximum Power Spectral Density

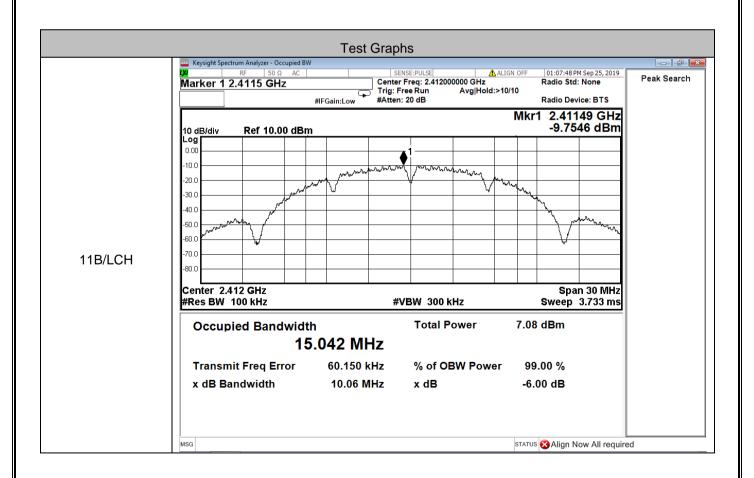
Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
	LCH	-13.204	8	PASS
11B	MCH	-12.046	8	PASS
	HCH	-11.168	8	PASS
	LCH	-20.416	8	PASS
11G	MCH	-19.208	8	PASS
	HCH	-18.081	8	PASS
	LCH	-19.849	8	PASS
11N20SISO	MCH	-18.713	8	PASS
	HCH	-17.789	8	PASS
	LCH	-24.037	8	PASS
11N40SISO	MCH	-23.012	8	PASS
	HCH	-22.883	8	PASS

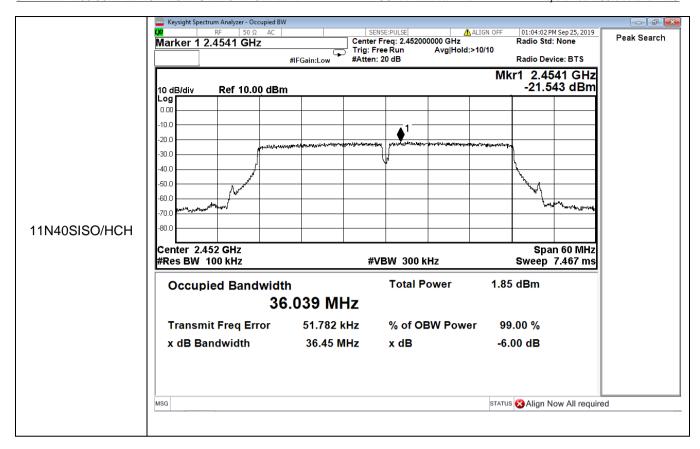




C.4 6dB Bandwidth

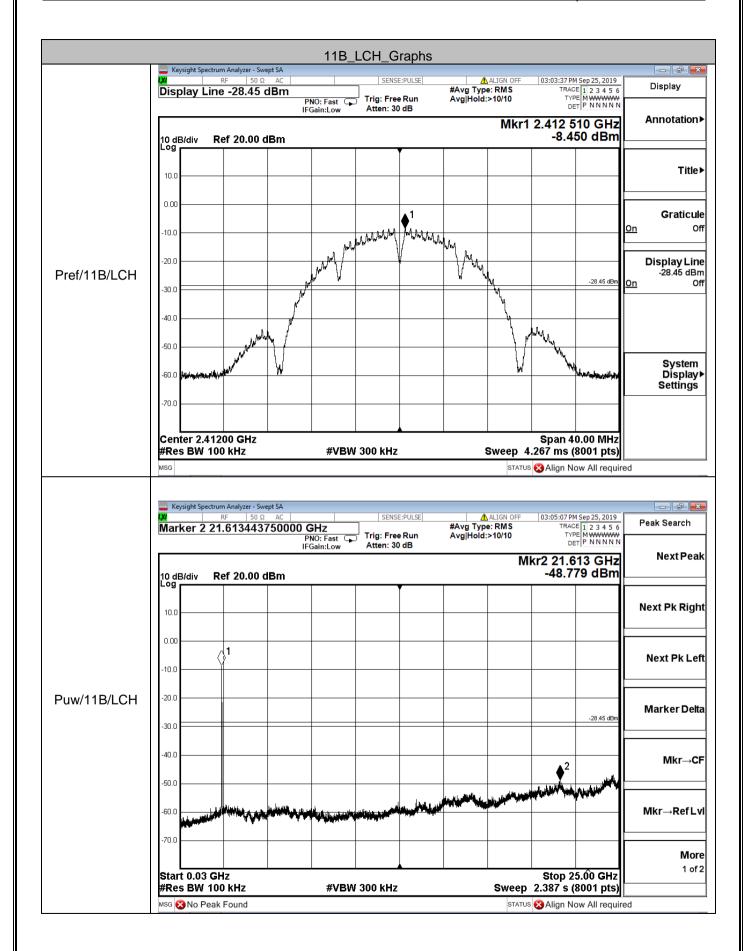
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	10.06	≥0.5	PASS
11B	MCH	10.06	≥0.5	PASS
	HCH	10.06	≥0.5	PASS
	LCH	16.57	≥0.5	PASS
11G	MCH	16.57	≥0.5	PASS
	HCH	16.57	≥0.5	PASS
	LCH	17.80	≥0.5	PASS
11N20SISO	MCH	17.80	≥0.5	PASS
	HCH	17.80	≥0.5	PASS
	LCH	36.46	≥0.5	PASS
11N40SISO	MCH	36.46	≥0.5	PASS
	HCH	36.45	≥0.5	PASS

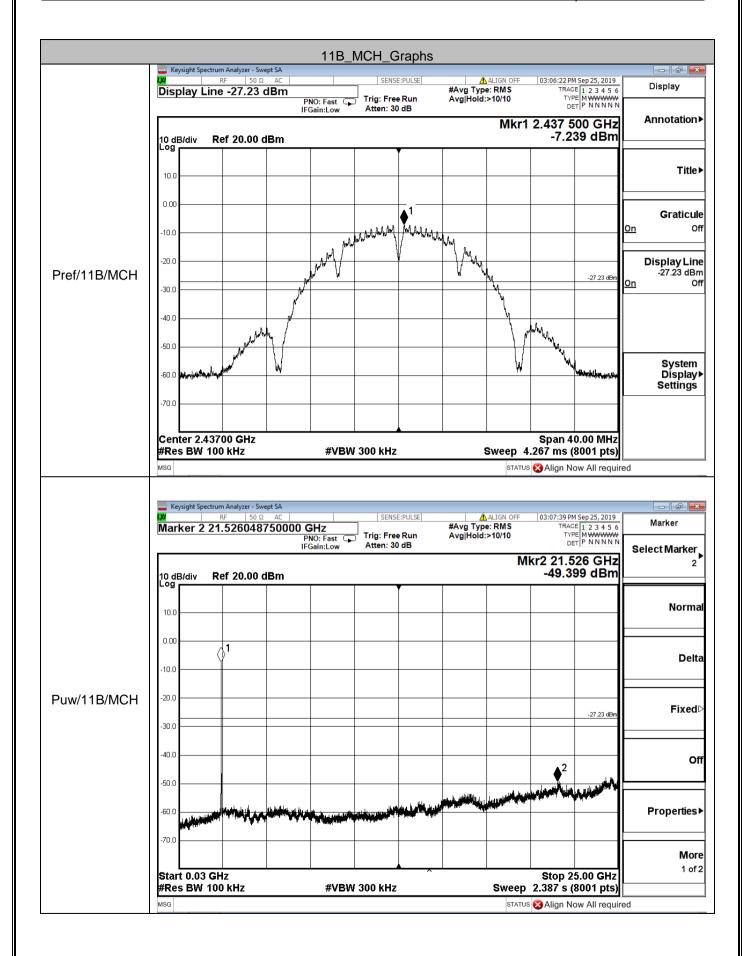


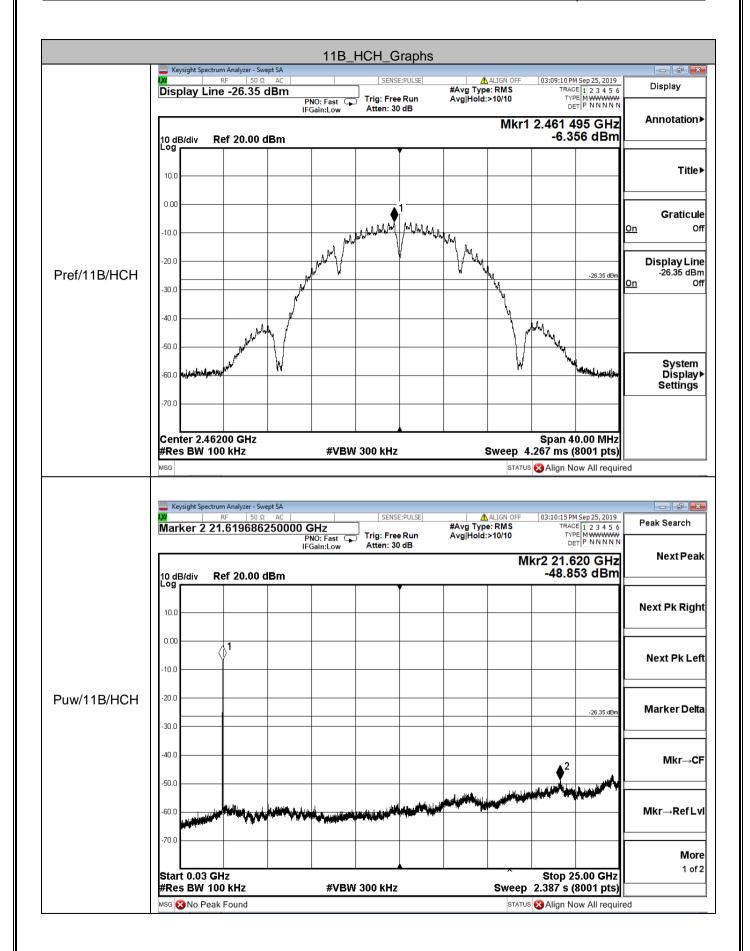


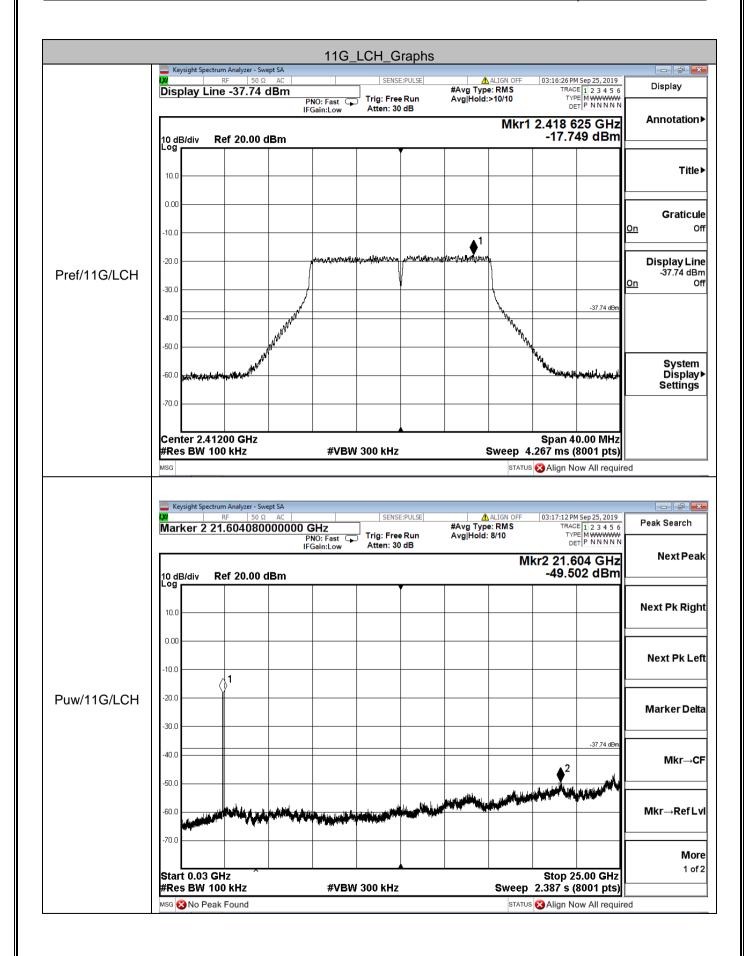
B.5 RF Conducted Spurious Emissions

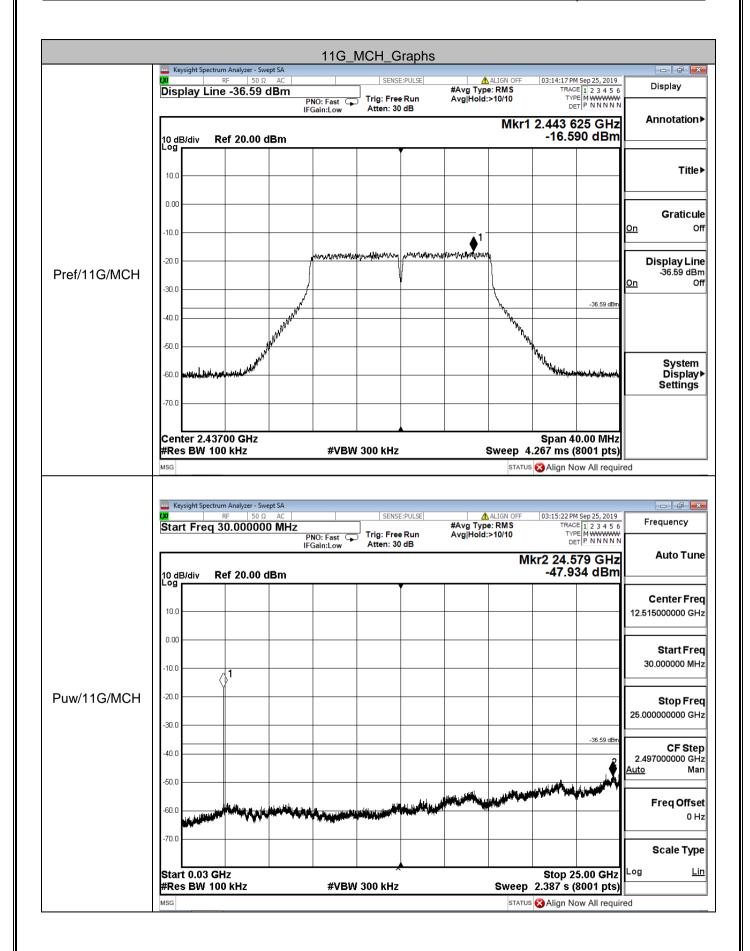
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-8.450	-48.779	-28.45	PASS
11B	MCH	-7.239	-49.399	-27.24	PASS
	HCH	-6.356	-48.853	-26.36	PASS
	LCH	-17.749	-49.502	-37.75	PASS
11G	MCH	-16.590	-47.935	-36.59	PASS
	HCH	-15.598	-46.799	-35.60	PASS
	LCH	-17.594	-49.080	-37.59	PASS
11N20	MCH	-16.403	-46.417	-36.40	PASS
SISO	HCH	-15.453	-47.414	-35.45	PASS
	LCH	-21.261	-49.636	-41.26	PASS
11N40	MCH	-20.609	-49.312	-40.61	PASS
SISO	HCH	-20.091	-48.737	-40.09	PASS

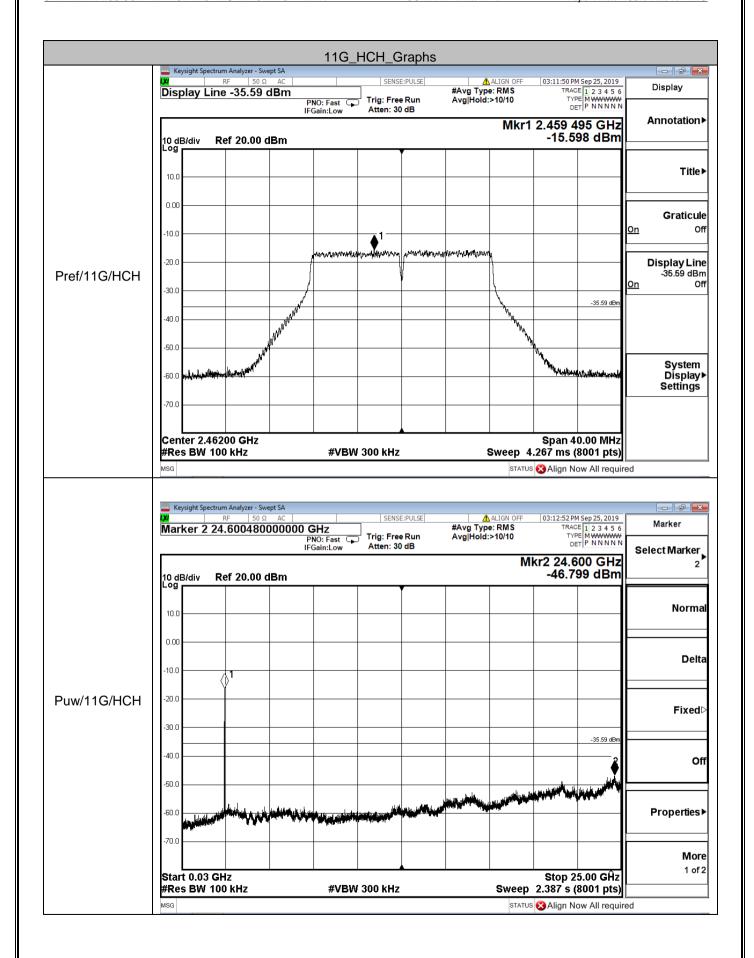


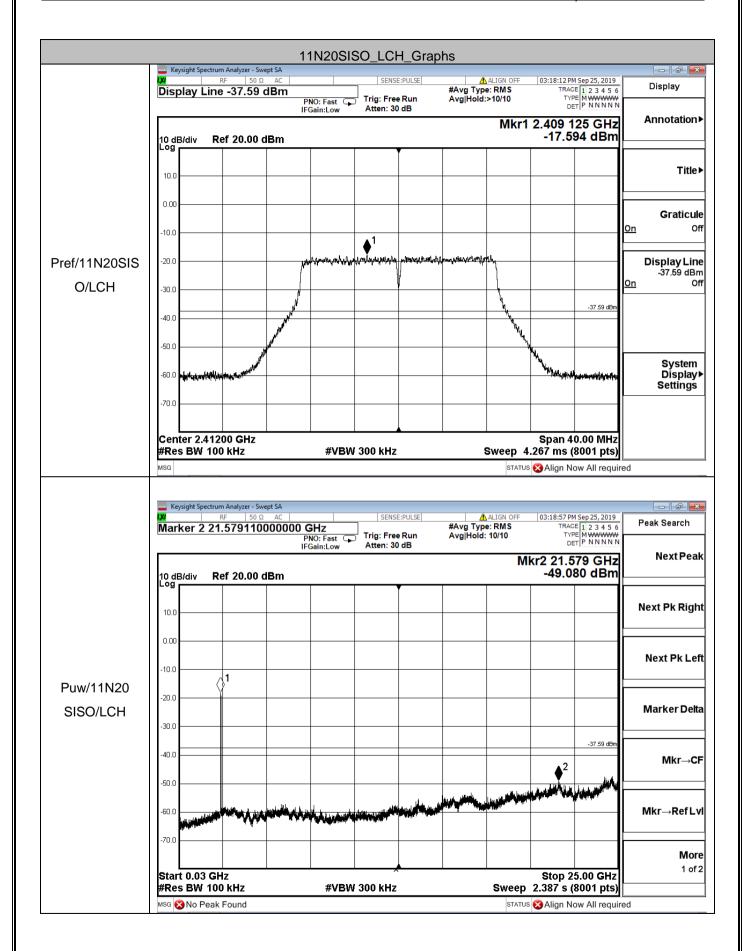


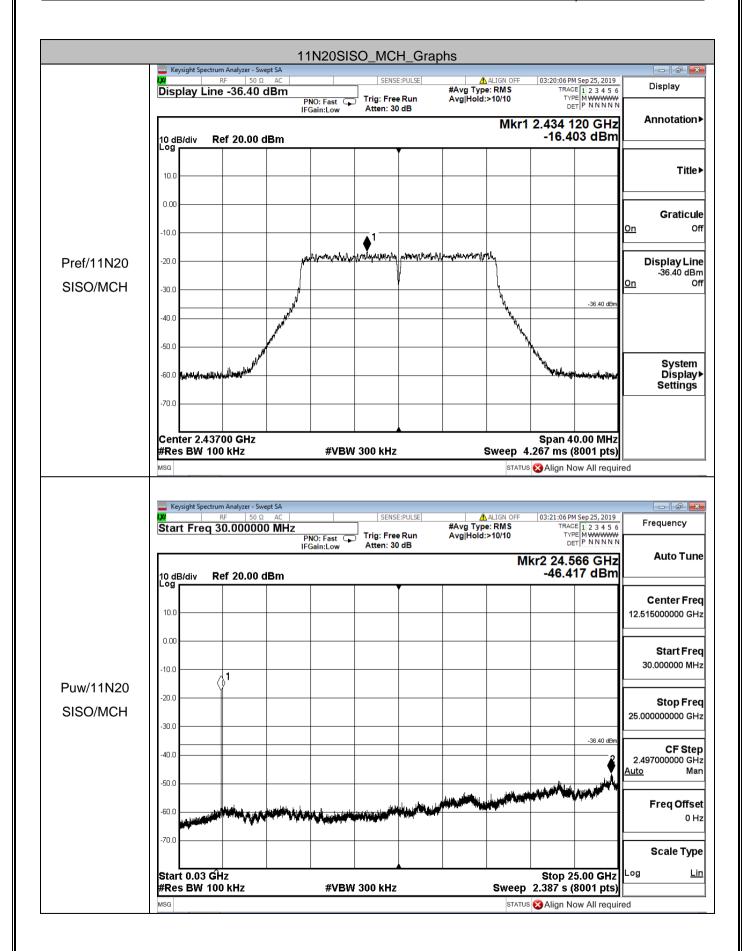


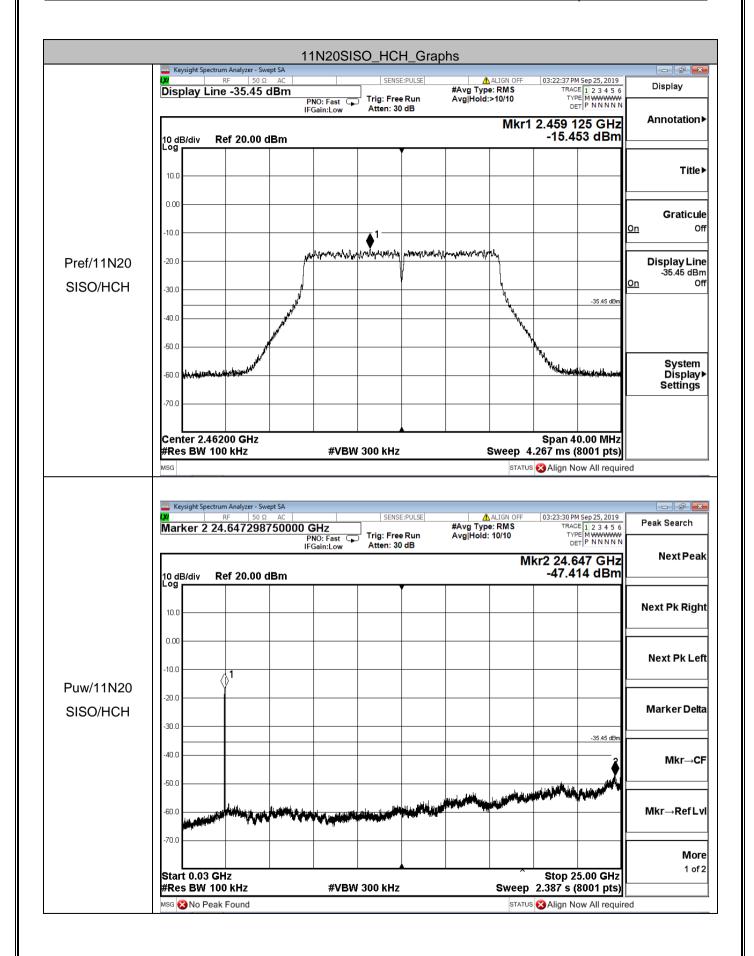


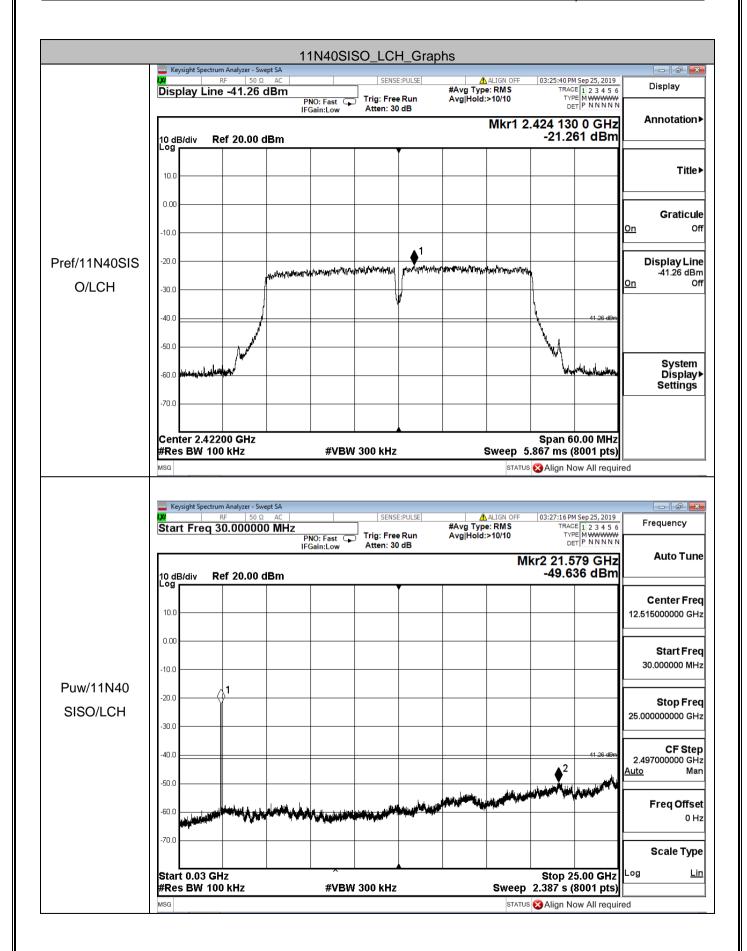


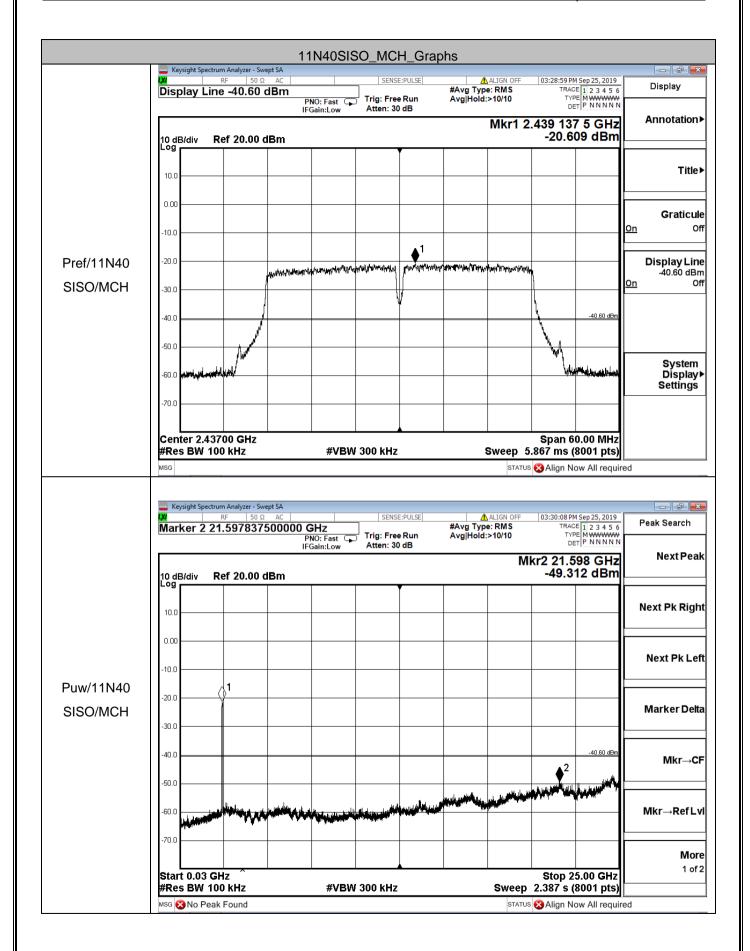


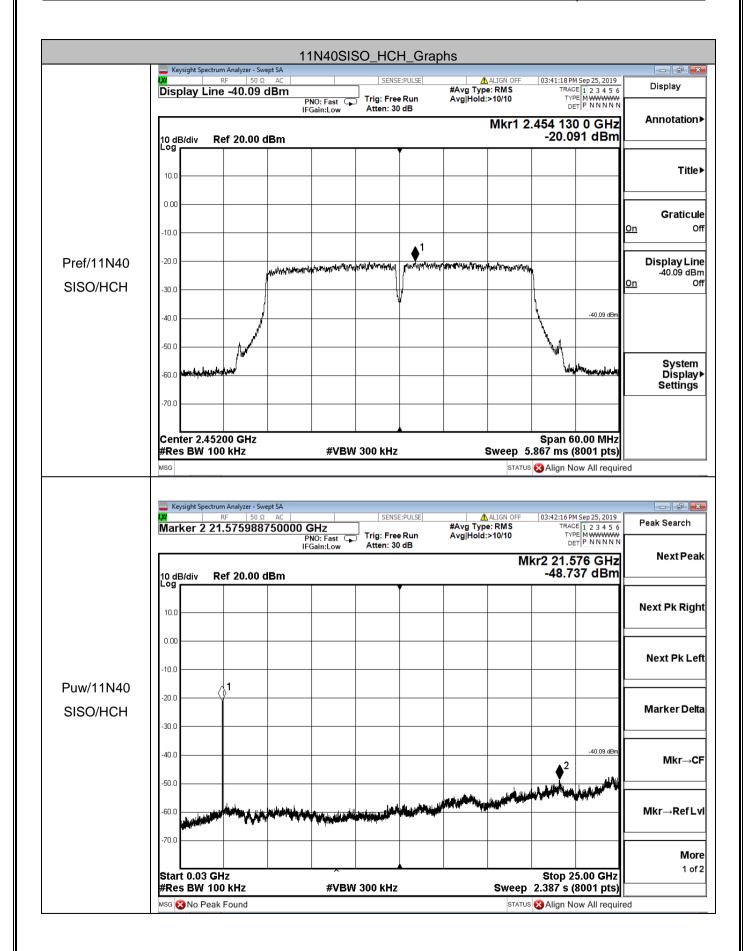






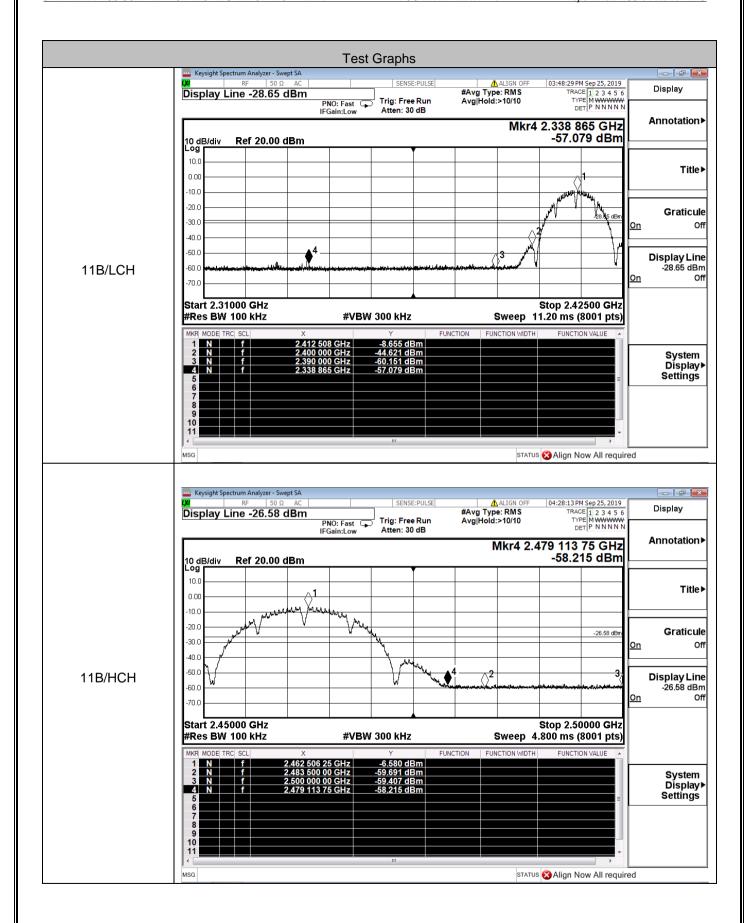






B.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
5	LCH	-8.655	-44.621	-28.66	PASS
11B	НСН	-6.580	-58.215	-26.58	PASS
	LCH	-17.692	-51.657	-37.69	PASS
11G	НСН	-15.809	-58.787	-35.81	PASS
	LCH	-17.665	-49.987	-37.67	PASS
11N20SISO	HCH	-15.579	-58.398	-35.58	PASS
	LCH	-21.289	-53.479	-41.29	PASS
11N40SISO	HCH	-20.098	-55.525	-40.10	PASS



B.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	-59.772	2.0	0	37.46	PEAK	74	PASS
	2412	Ant1	2310.0	-71.669	2.0	0	25.56	AV	54	PASS
	2412	Ant1	2390.0	-58.437	2.0	0	38.79	PEAK	74	PASS
4.45	2412	Ant1	2390.0	-69.882	2.0	0	27.35	AV	54	PASS
11B	2462	Ant1	2483.5	-56.646	2.0	0	40.58	PEAK	74	PASS
	2462	Ant1	2483.5	-68.156	2.0	0	29.07	AV	54	PASS
	2462	Ant1	2500.0	-57.001	2.0	0	40.23	PEAK	74	PASS
	2462	Ant1	2500.0	-67.487	2.0	0	29.74	AV	54	PASS
	2412	Ant1	2310.0	-60.771	2.0	0	36.46	PEAK	74	PASS
	2412	Ant1	2310.0	-72.088	2.0	0	25.14	AV	54	PASS
	2412	Ant1	2390.0	-58.206	2.0	0	39.02	PEAK	74	PASS
	2412	Ant1	2390.0	-70.027	2.0	0	27.20	AV	54	PASS
11G	2462	Ant1	2483.5	-56.597	2.0	0	40.63	PEAK	74	PASS
	2462	Ant1	2483.5	-68.216	2.0	0	29.01	AV	54	PASS
	2462	Ant1	2500.0	-58.458	2.0	0	38.77	PEAK	74	PASS
	2462	Ant1	2500.0	-69.032	2.0	0	28.20	AV	54	PASS
	2412	Ant1	2310.0	-60.414	2.0	0	36.82	PEAK	74	PASS
	2412	Ant1	2310.0	-72.157	2.0	0	25.07	AV	54	PASS
	2412	Ant1	2390.0	-57.684	2.0	0	39.55	PEAK	74	PASS
11N20	2412	Ant1	2390.0	-70.031	2.0	0	27.20	AV	54	PASS
SISO	2462	Ant1	2483.5	-55.835	2.0	0	41.40	PEAK	74	PASS
	2462	Ant1	2483.5	-68.138	2.0	0	29.09	AV	54	PASS
	2462	Ant1	2500.0	-57.758	2.0	0	39.47	PEAK	74	PASS
	2462	Ant1	2500.0	-69.071	2.0	0	28.16	AV	54	PASS
11N40	2422	Ant1	2310.0	-61.086	2.0	0	36.14	PEAK	74	PASS
SISO	2422	Ant1	2310.0	-72.224	2.0	0	25.01	AV	54	PASS

S	SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.						FCC ID: XHWEW	T148	Report No	.: LCS19	0829034AEC
		2422	Ant1	2390.0	-57.549	2.0	0	39.68	PEAK	74	PASS
		2422	Ant1	2390.0	-69.815	2.0	0	27.42	AV	54	PASS
		2452	Ant1	2483.5	-55.864	2.0	0	41.37	PEAK	74	PASS
		2452	Ant1	2483.5	-67.988	2.0	0	29.24	AV	54	PASS
		2452	Ant1	2500.0	-57.087	2.0	0	40.14	PEAK	74	PASS
		2452	Ant1	2500.0	-69.546	2.0	0	27.68	AV	54	PASS

