Appendix A

RF Test Data for 2.4G WIFI (Conducted Measurement)

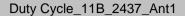
Product Name: ETH Wi-Fi Bridge Trade Mark: N/A **Test Model: ALXB10**

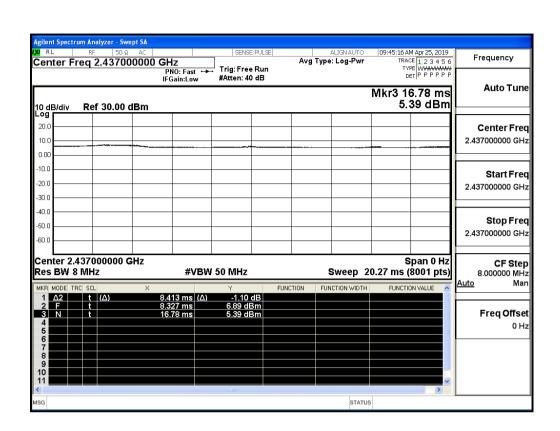
Environmental Conditions

	Temperature:	24.6 ° C					
Relative Humidity: ATM Pressure: Test Engineer:		52.9%					
		100.0 kPa					
		SCENT HU					
	Supervised by:	Tom.Liu					

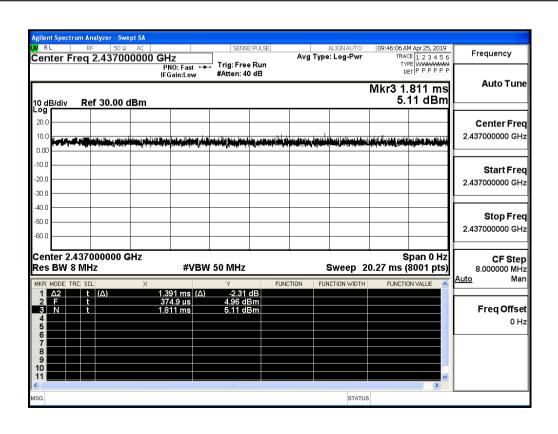
A.1 Duty Cycle

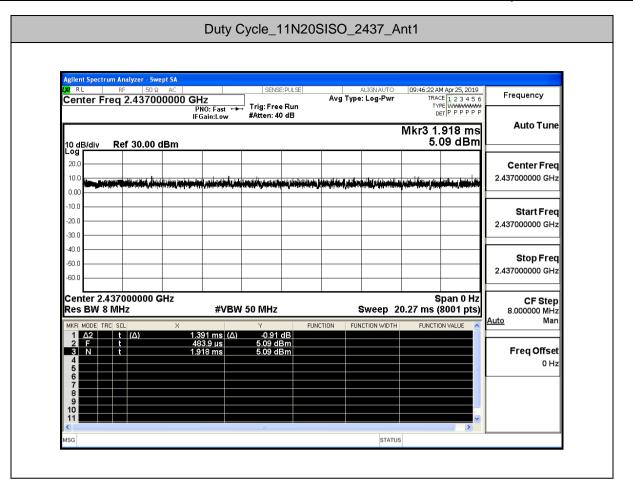
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant1	100	PASS
11G	2437	Ant1	100	PASS
11N20SISO	2437	Ant1	100	PASS





Duty Cycle_11G_2437_Ant1



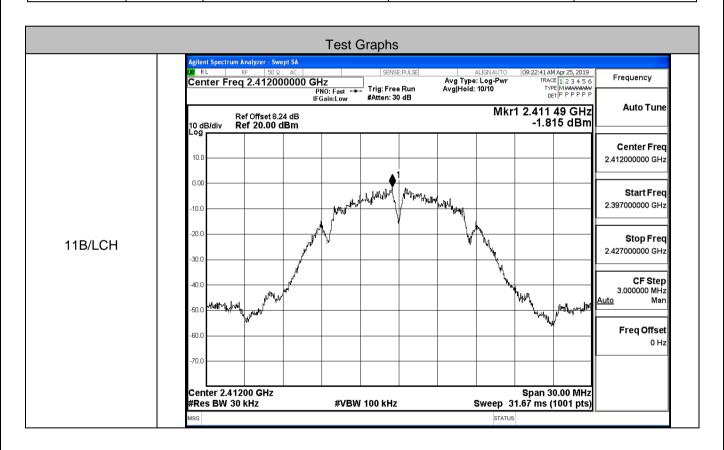


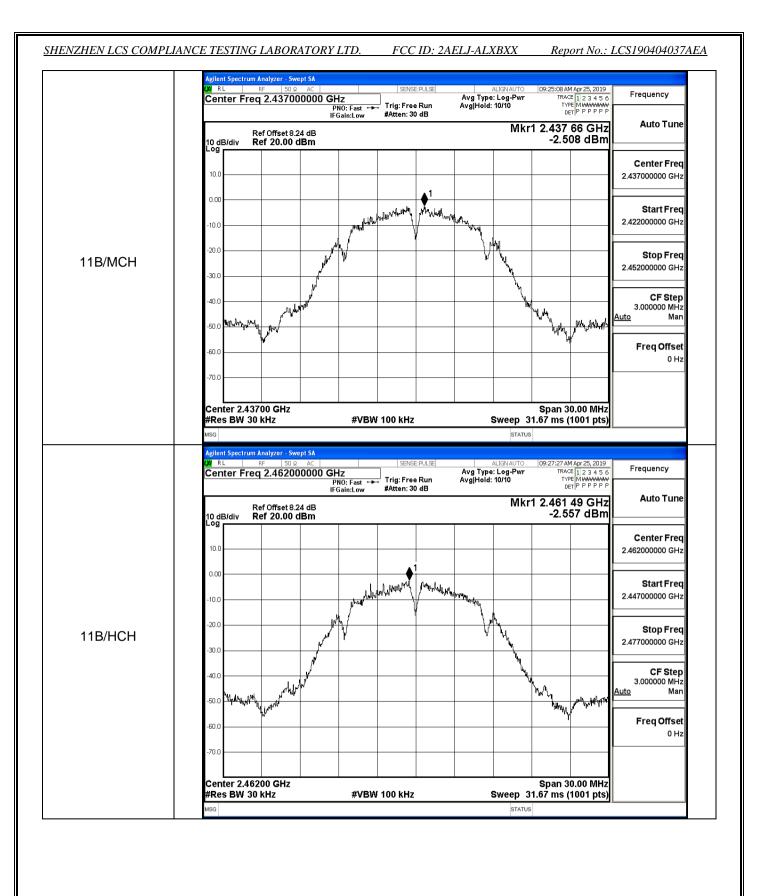
A.2 Maximum Conducted Output Power

Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
	LCH	12.59	30	PASS
11B	MCH	12.68	30	PASS
	НСН	12.56	30	PASS
	LCH	18.75	30	PASS
11G	MCH	18.84	30	PASS
	HCH	18.7	30	PASS
	LCH	19.24	30	PASS
11N20SISO	MCH	19.45	30	PASS
	HCH	19.46	30	PASS

A.3 Maximum Power Spectral Density

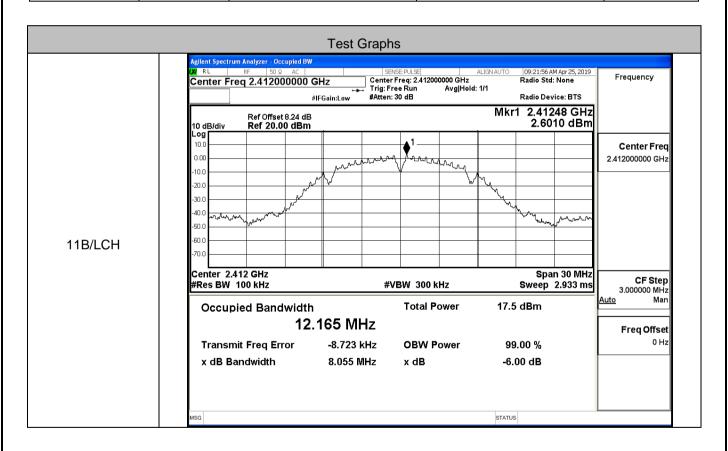
Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
	LCH	-1.815	8	PASS
11B	MCH	-2.508	8	PASS
	HCH	-2.557	8	PASS
	LCH	-4.721	8	PASS
11G	MCH	-3.958	8	PASS
	HCH	-4.430	8	PASS
	LCH	-4.138	8	PASS
11N20SISO	20SISO MCH -4.241		8	PASS
	HCH	-4.478	8	PASS





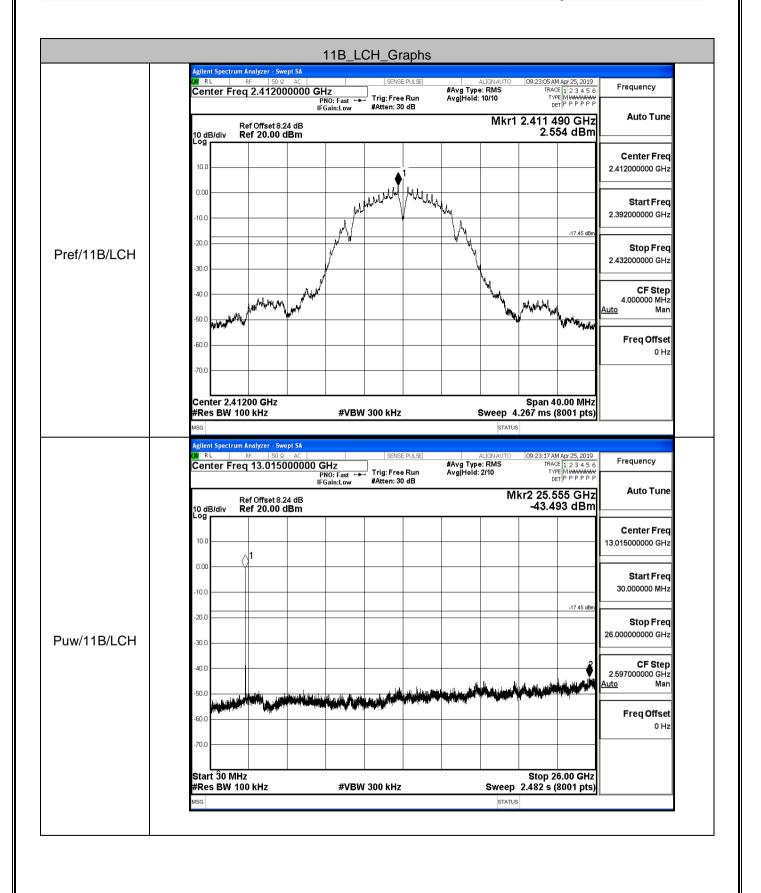
A.4 6dB Bandwidth

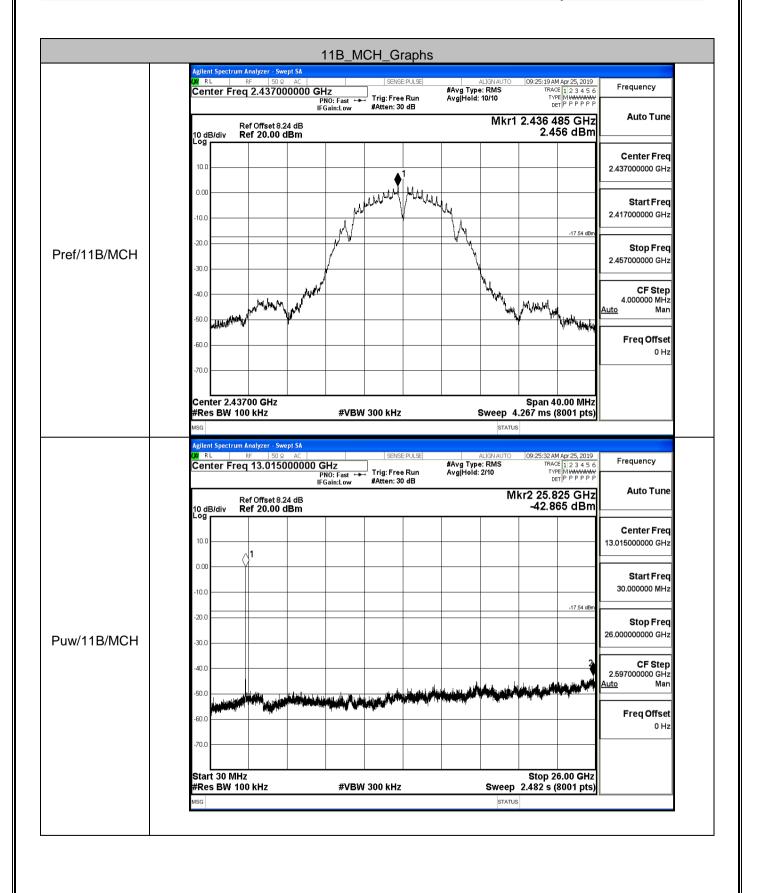
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	8.055	≥0.5	PASS
11B	MCH	8.090	≥0.5	PASS
	HCH	8.101	≥0.5	PASS
	LCH	15.08	≥0.5	PASS
11G	MCH	15.13	≥0.5	PASS
	НСН	15.08	≥0.5	PASS
	LCH	15.15	≥0.5	PASS
11N20SISO	MCH	15.36	≥0.5	PASS
	HCH	15.72	≥0.5	PASS

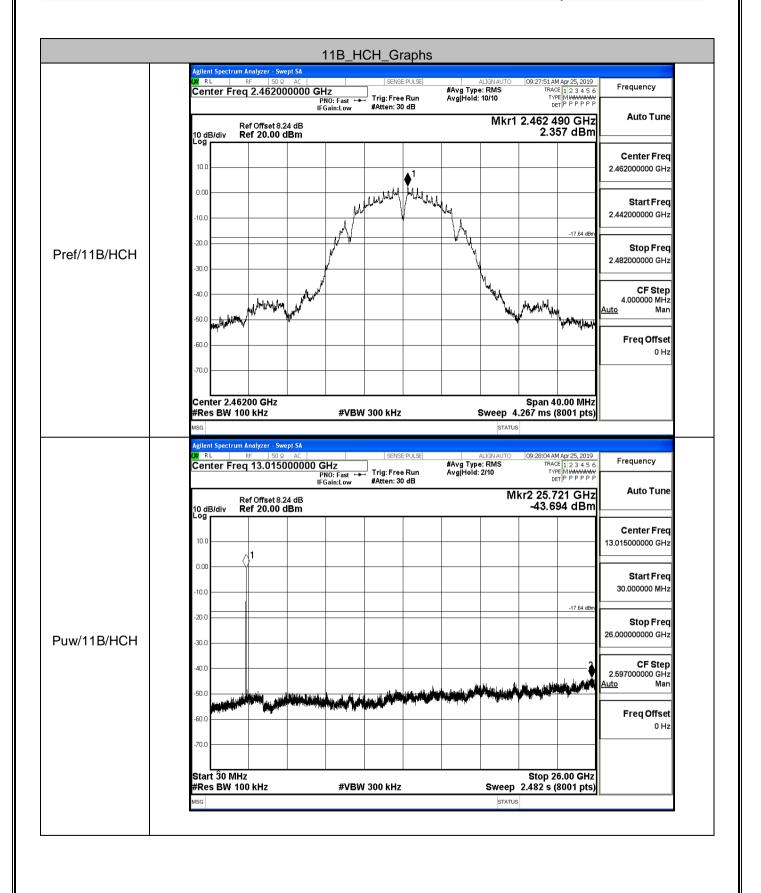


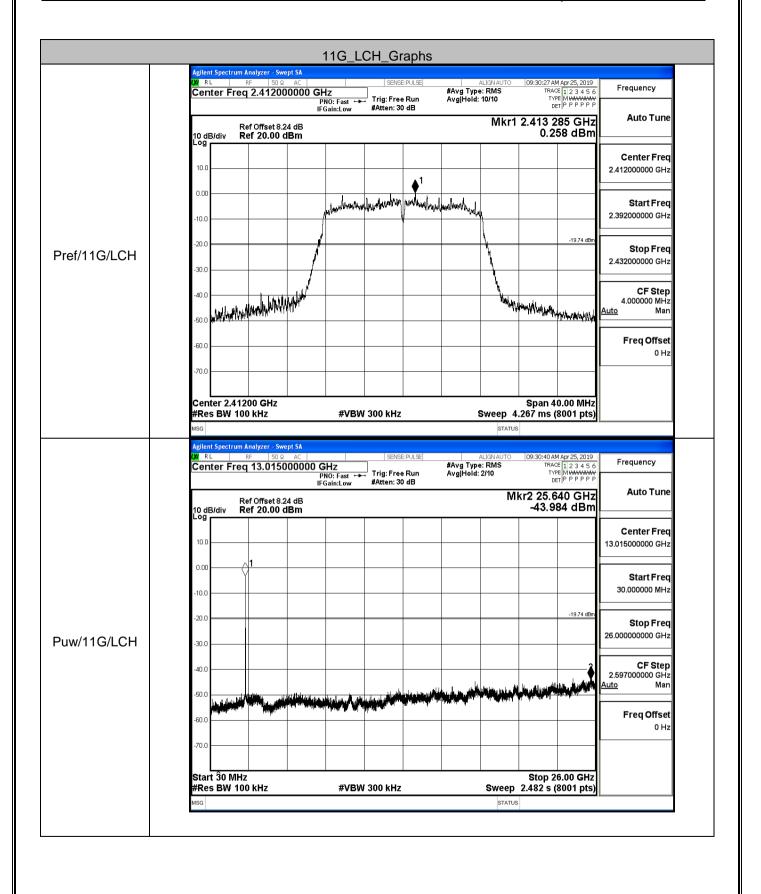
A.5 RF Conducted Spurious Emissions

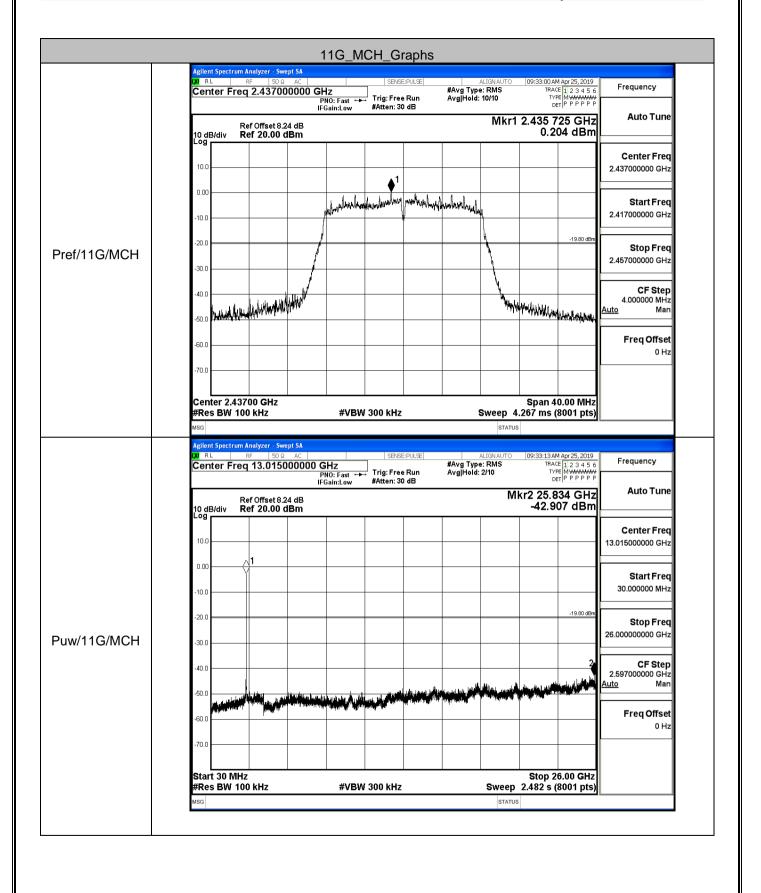
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	2.554	-43.493	-17.446	PASS
11B	MCH	2.456	-42.865	-17.544	PASS
	НСН	2.357	-43.694	-17.643	PASS
	LCH	0.258	-43.984	-19.742	PASS
11G	MCH	0.204	-42.907	-19.796	PASS
	НСН	-0.192	-43.222	-20.192	PASS
	LCH	0.653	-44.044	-19.347	PASS
11N20SISO	MCH	0.859	-42.528	-19.141	PASS
	НСН	0.829	-43.087	-19.171	PASS

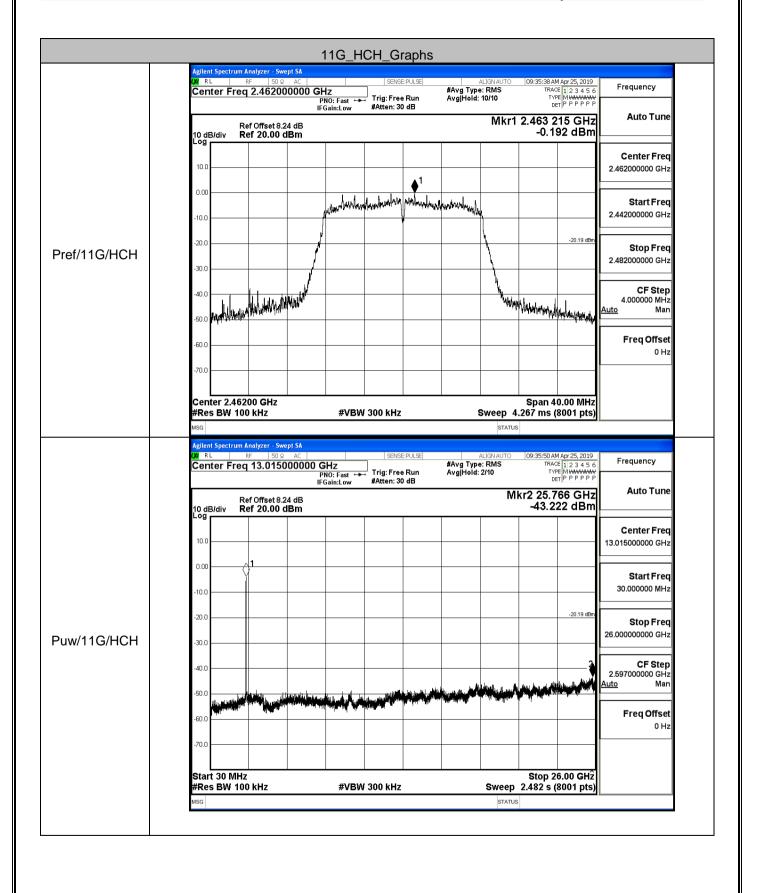


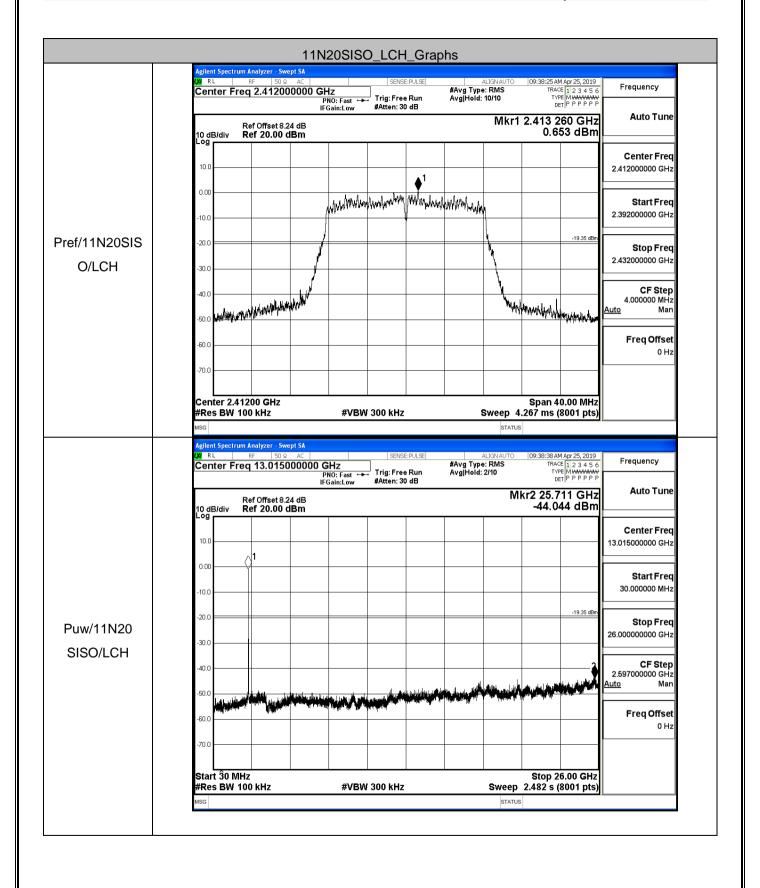


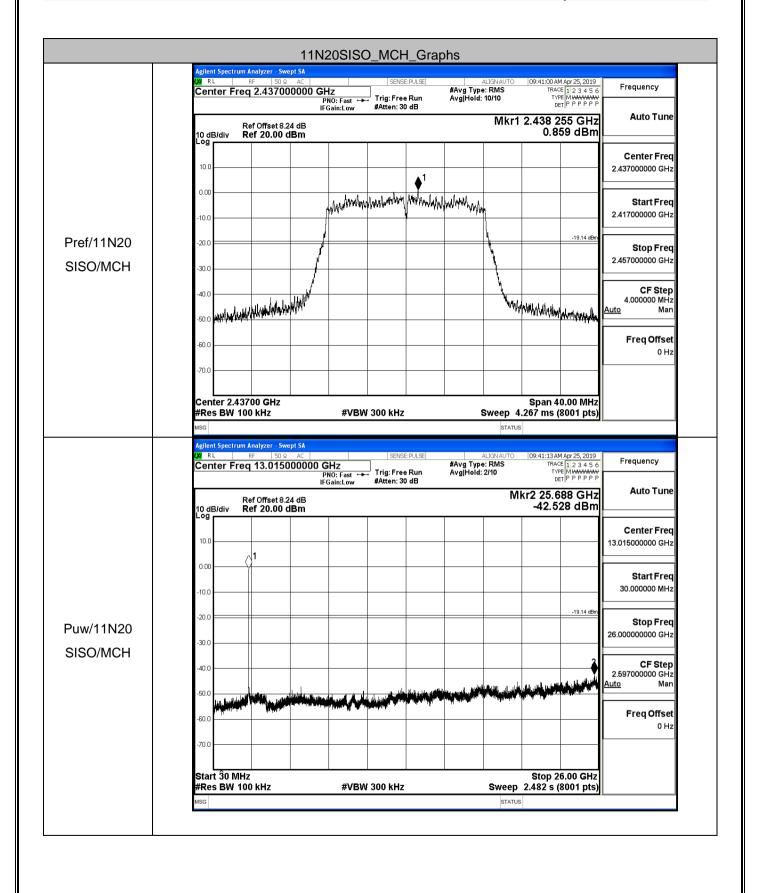






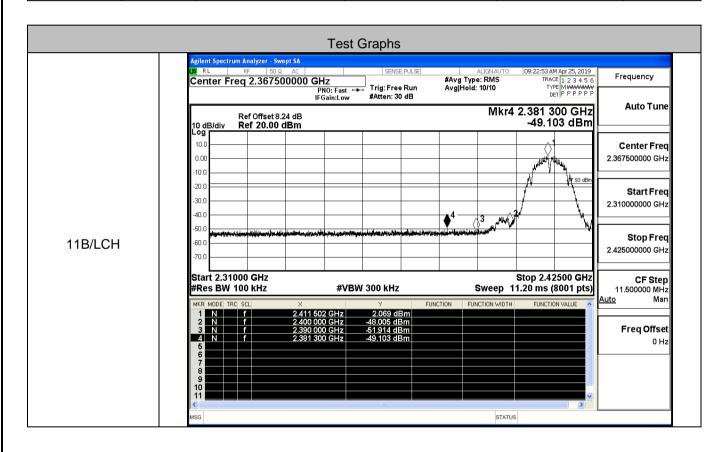






A.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
445	LCH	2.069	-49.103	-17.93	PASS
11B	HCH	1.535	-49.342	-18.47	PASS
	LCH	0.679	-46.521	-19.32	PASS
11G	HCH	-0.009	-47.630	-20.01	PASS
	LCH	0.709	-46.622	-19.29	PASS
11N20SISO	HCH	0.904	-47.798	-19.1	PASS



FUNCTION

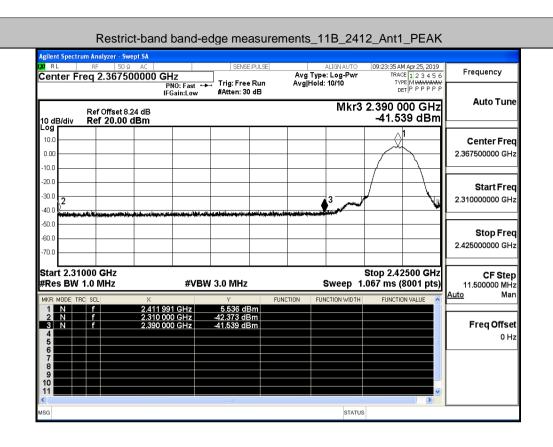
FUNCTION WIDTH

STATUS

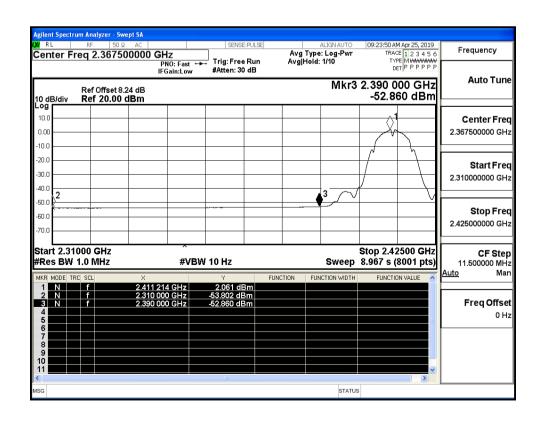
Freq Offset

A.7 Restrict-band band-edge measurements

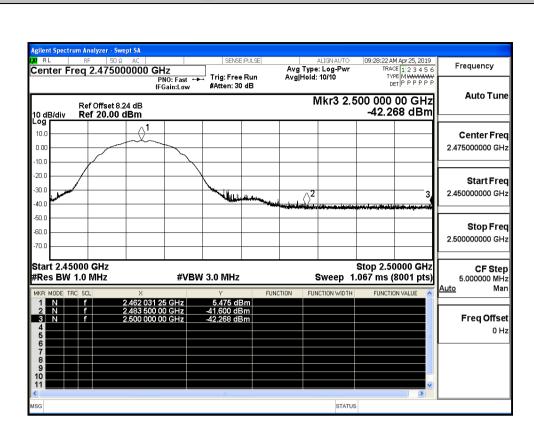
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBu V/m]	Verdict
	2412	Ant1	2310.0	-42.37	5.0	0	57.89	PEAK	74	PASS
	2412	Ant1	2310.0	-53.80	5.0	0	46.46	AV	54	PASS
	2412	Ant1	2390.0	-41.54	5.0	0	58.72	PEAK	74	PASS
445	2412	Ant1	2390.0	-52.86	5.0	0	47.40	AV	54	PASS
11B	2462	Ant1	2483.5	-41.60	5.0	0	58.66	PEAK	74	PASS
	2462	Ant1	2483.5	-52.66	5.0	0	47.60	AV	54	PASS
	2462	Ant1	2500.0	-42.27	5.0	0	57.99	PEAK	74	PASS
	2462	Ant1	2500.0	-52.83	5.0	0	47.43	AV	54	PASS
	2412	Ant1	2310.0	-43.51	5.0	0	56.75	PEAK	74	PASS
	2412	Ant1	2310.0	-53.56	5.0	0	46.70	AV	54	PASS
	2412	Ant1	2390.0	-39.74	5.0	0	60.52	PEAK	74	PASS
110	2412	Ant1	2390.0	-50.35	5.0	0	49.91	AV	54	PASS
11G	2462	Ant1	2483.5	-38.21	5.0	0	62.05	PEAK	74	PASS
	2462	Ant1	2483.5	-50.42	5.0	0	49.84	AV	54	PASS
	2462	Ant1	2500.0	-40.60	5.0	0	59.66	PEAK	74	PASS
	2462	Ant1	2500.0	-51.45	5.0	0	48.81	AV	54	PASS
	2412	Ant1	2310.0	-42.21	5.0	0	58.05	PEAK	74	PASS
	2412	Ant1	2310.0	-53.55	5.0	0	46.71	AV	54	PASS
	2412	Ant1	2390.0	-34.91	5.0	0	65.35	PEAK	74	PASS
11N20	2412	Ant1	2390.0	-51.16	5.0	0	49.10	AV	54	PASS
SISO	2462	Ant1	2483.5	-34.99	5.0	0	65.27	PEAK	74	PASS
	2462	Ant1	2483.5	-51.26	5.0	0	49.00	AV	54	PASS
	2462	Ant1	2500.0	-39.64	5.0	0	60.62	PEAK	74	PASS
	2462	Ant1	2500.0	-51.66	5.0	0	48.60	AV	54	PASS



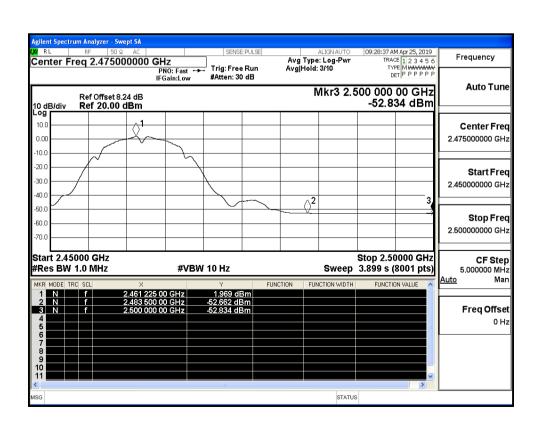
Restrict-band band-edge measurements_11B_2412_Ant1_AV



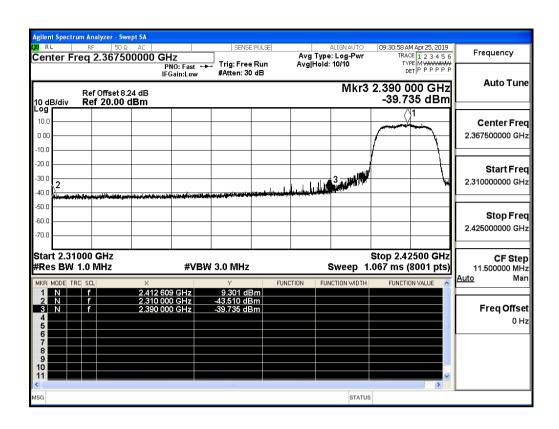
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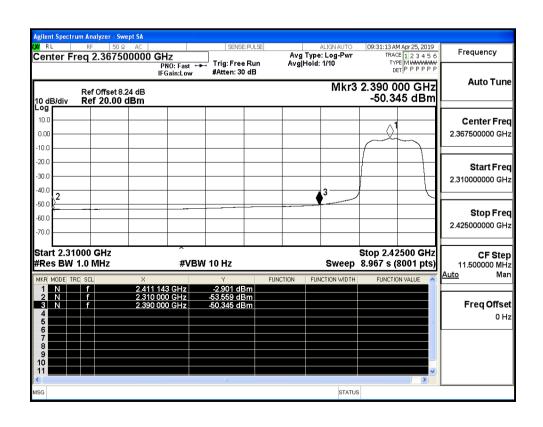
Restrict-band band-edge measurements_11B_2462_Ant1_AV

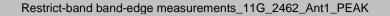


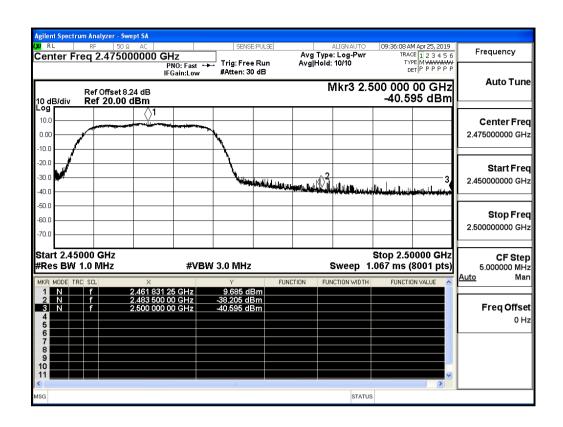
Restrict-band band-edge measurements_11G_2412_Ant1_PEAK



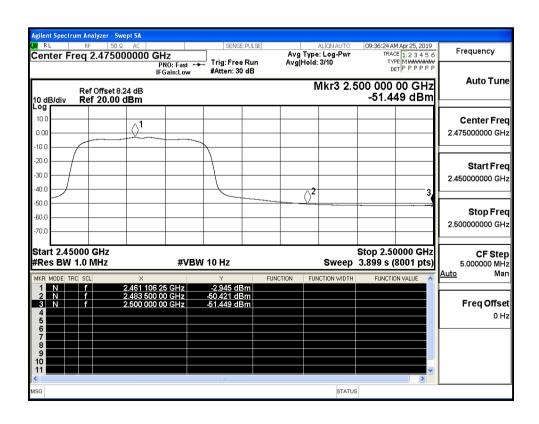
Restrict-band band-edge measurements_11G_2412_Ant1_AV



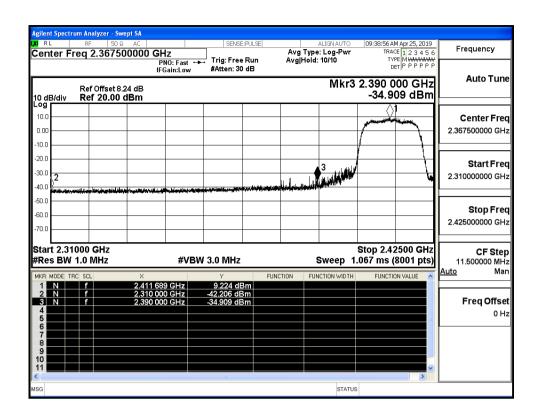




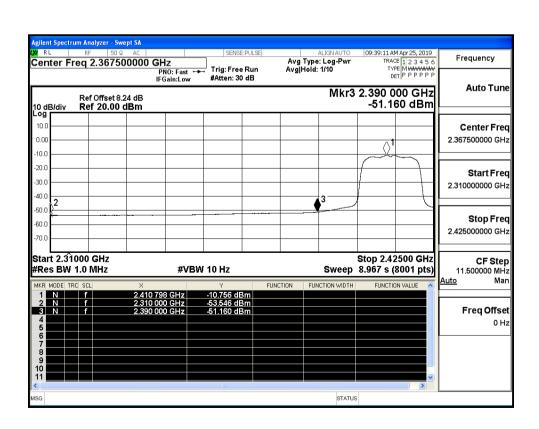
Restrict-band band-edge measurements_11G_2462_Ant1_AV

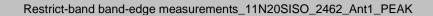


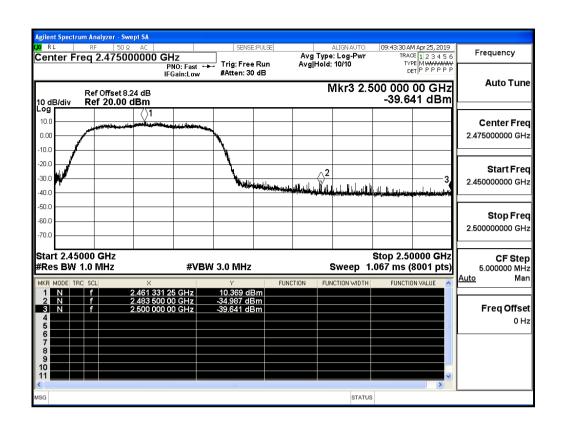
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_PEAK



Restrict-band band-edge measurements_11N20SISO_2412_Ant1_AV







Restrict-band band-edge measurements_11N20SISO_2462_Ant1_AV

