Appendix A

RF Test Data for 2.4G WIFI (Conducted Measurement)

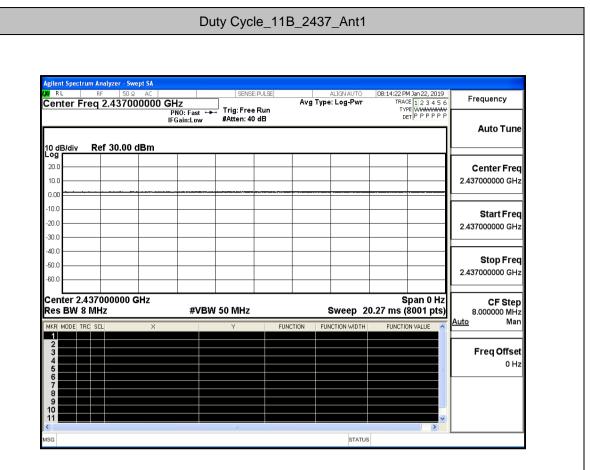
Product Name: TrackIR Series Thermal Imager
Trade Mark: Guide
Test Model: TrackIR 50mm

Environmental Conditions

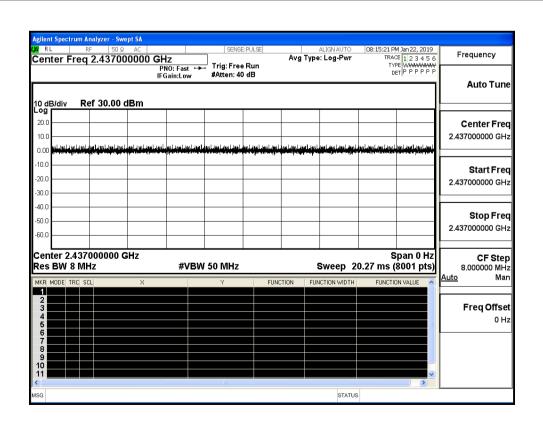
Temperature:	24.2 ° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry.Zeng
Supervised by:	Jayden.Zhuo

A.1 Duty Cycle

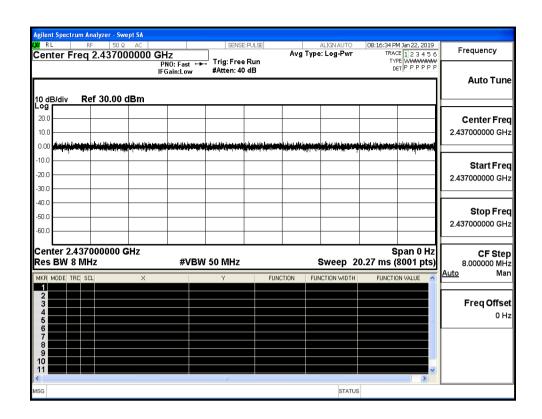
Test Mode	Test Channel	Ant	Verdict	
11B	2437	Ant1	100	PASS
11G	2437	Ant1	100	PASS
11N20SISO	2437	Ant1	100	PASS
11N40SISO	2437	Ant1	100	PASS



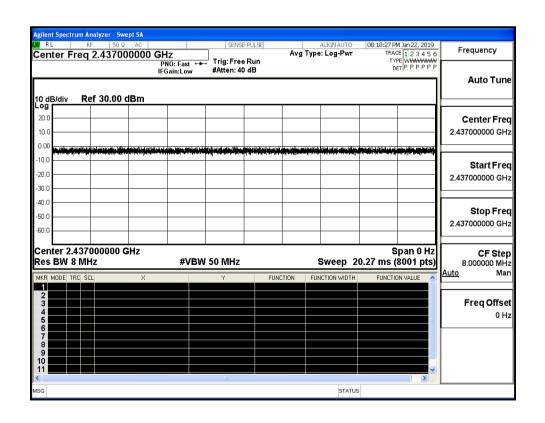
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N40SISO_2437_Ant1

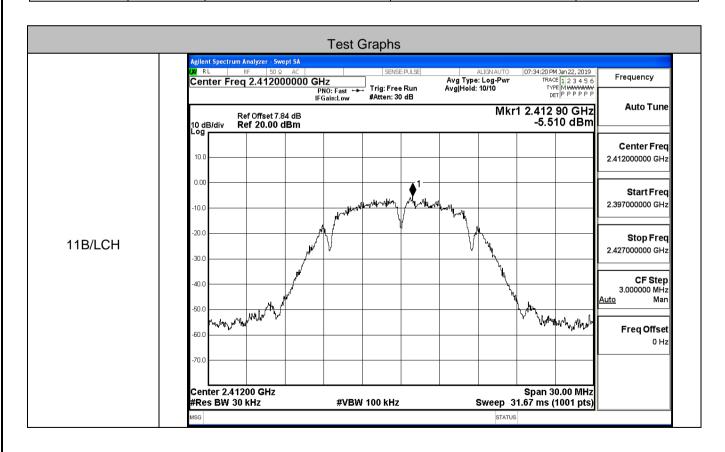


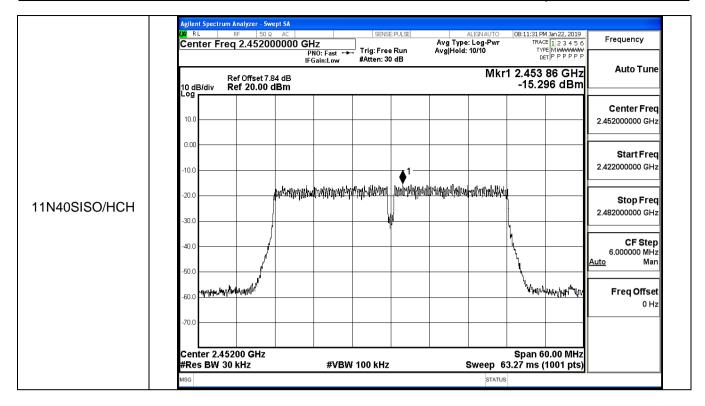
A.2 Maximum Conducted Output Power

Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
	LCH	11.30	30	PASS
11B	MCH	11.39	30	PASS
	HCH	10.44	30	PASS
	LCH	12.41	30	PASS
11G	MCH	12.60	30	PASS
	HCH	12.42	30	PASS
	LCH	12.53	30	PASS
11N20SISO	MCH	12.48	30	PASS
	HCH	12.47	30	PASS
	LCH	13.18	30	PASS
11N40SISO	MCH	13.13	30	PASS
	HCH	13.86	30	PASS

A.3 Maximum Power Spectral Density

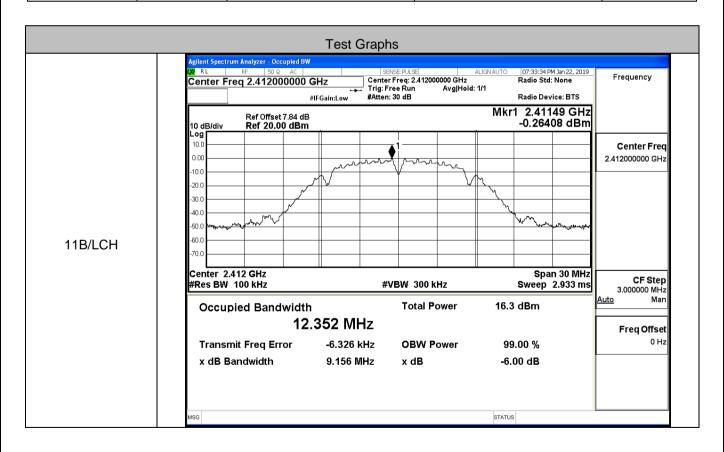
Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
	LCH	-5.510	8	PASS
11B	MCH	-5.540	8	PASS
	HCH	-4.388	8	PASS
	LCH	-10.815	8	PASS
11G	MCH	-11.391	8	PASS
	HCH	-11.193	8	PASS
	LCH	-11.037	8	PASS
11N20SISO	MCH	-11.135	8	PASS
	HCH	-11.001	8	PASS
	LCH	-15.037	8	PASS
11N40SISO	MCH	-15.256	8	PASS
	НСН	-15.296	8	PASS

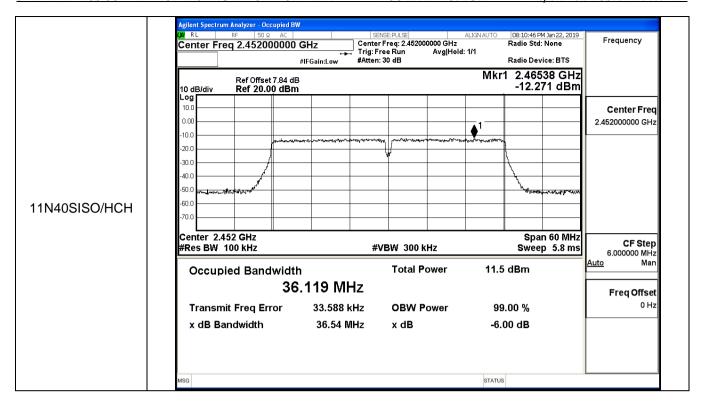




A.4 6dB Bandwidth

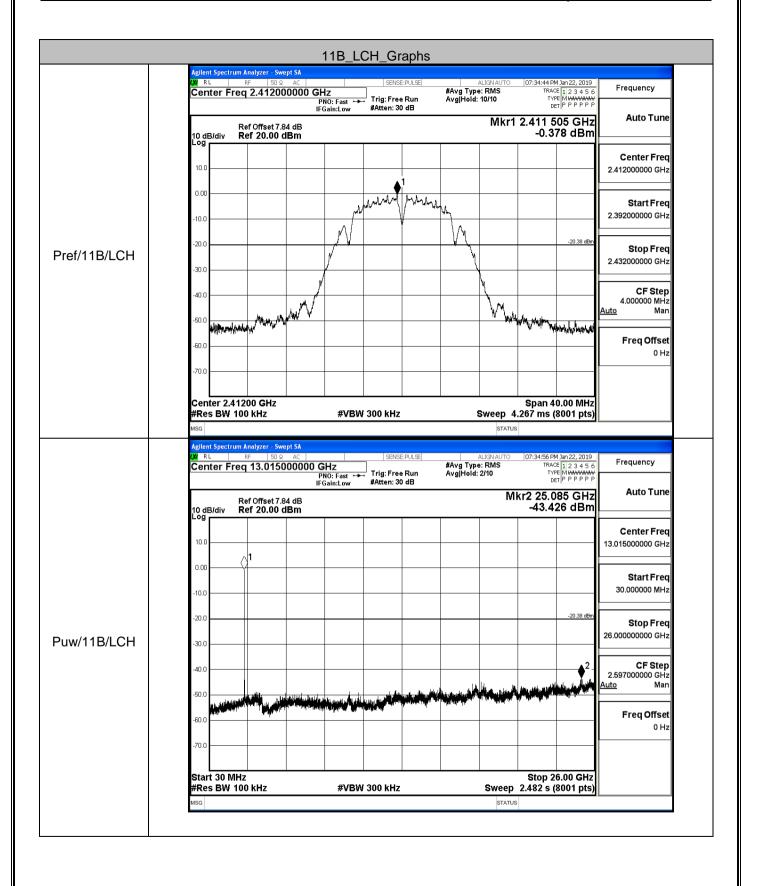
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	9.156	≥0.5	PASS
11B	MCH	9.154	≥0.5	PASS
	HCH	9.156	≥0.5	PASS
	LCH	16.38	≥0.5	PASS
11G	MCH	16.38	≥0.5	PASS
	HCH	16.40	≥0.5	PASS
	LCH	17.63	≥0.5	PASS
11N20SISO	MCH	17.61	≥0.5	PASS
	HCH	17.62	≥0.5	PASS
	LCH	36.52	≥0.5	PASS
11N40SISO	MCH	36.50	≥0.5	PASS
	HCH	36.54	≥0.5	PASS

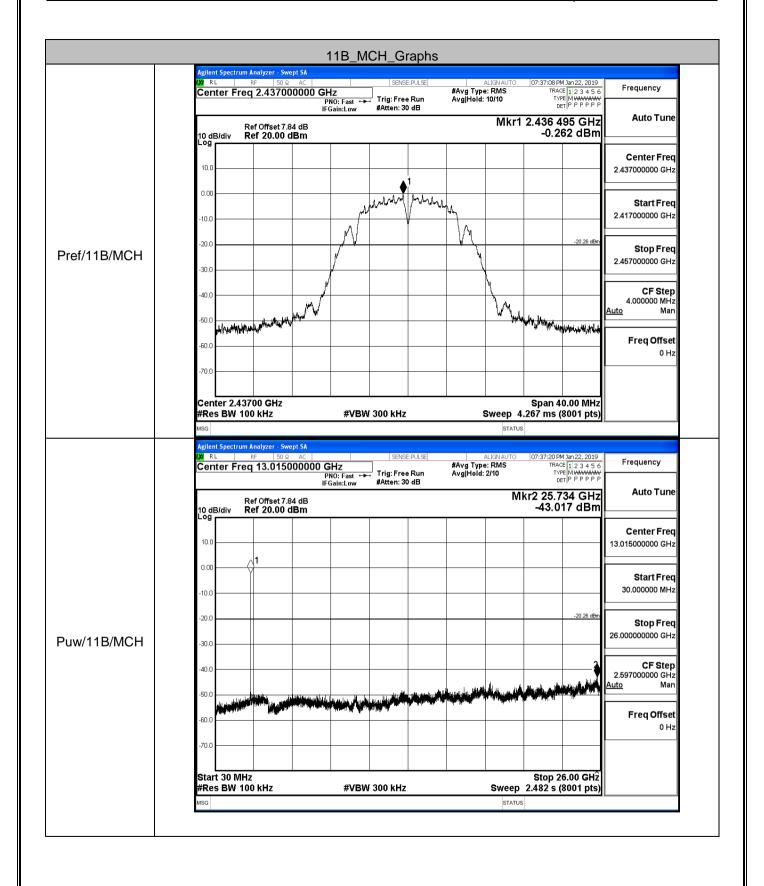


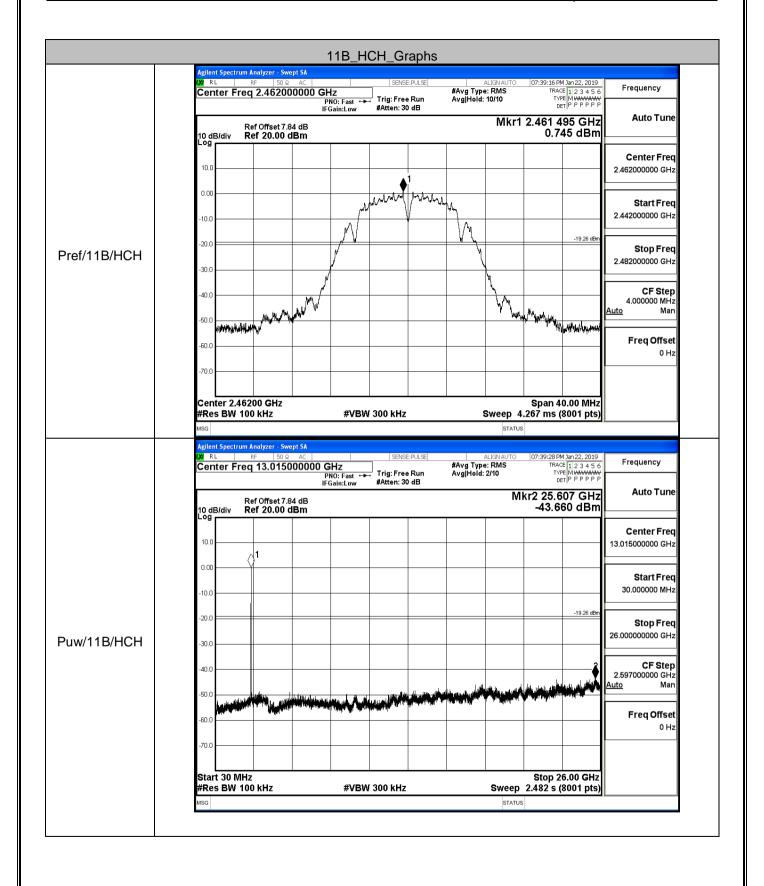


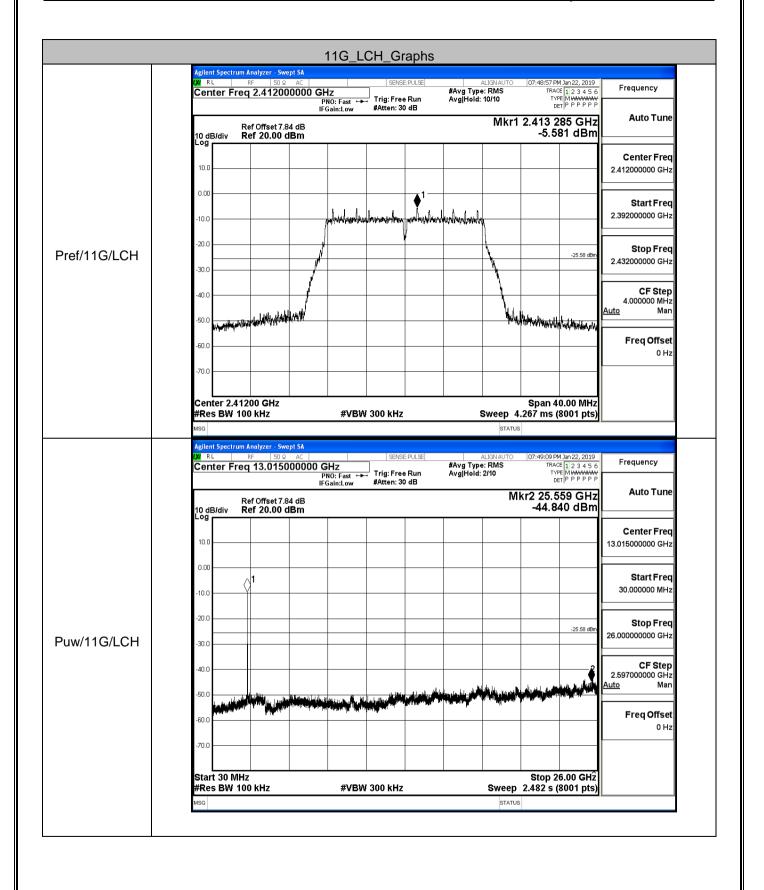
A.5 RF Conducted Spurious Emissions

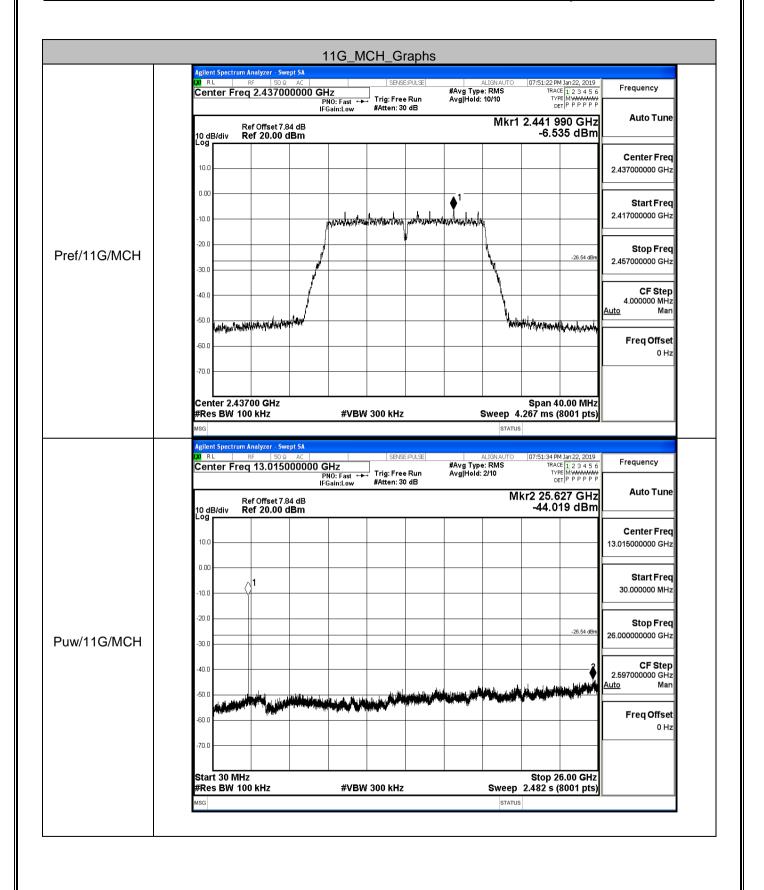
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-0.378	-43.426	-20.378	PASS
11B	MCH	-0.262	-43.017	-20.262	PASS
	HCH	0.745	-43.660	-19.255	PASS
	LCH	-5.581	-44.840	-25.581	PASS
11G	MCH	-6.535	-44.019	-26.535	PASS
	HCH	-6.483	-44.581	-26.483	PASS
	LCH	-6.499	-42.615	-26.499	PASS
11N20SISO	MCH	-6.558	-43.927	-26.558	PASS
	HCH	-6.823	-44.092	-26.823	PASS
11N40SISO	LCH	-11.729	-43.575	-31.729	PASS
	MCH	-11.683	-44.562	-31.683	PASS
	HCH	-12.38	-43.951	-32.380	PASS

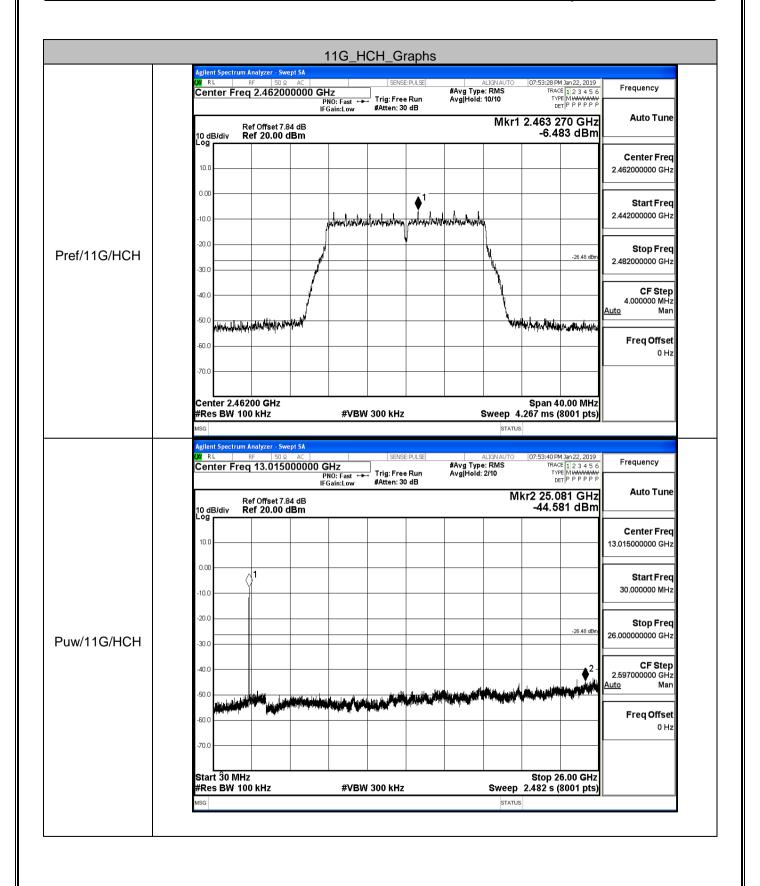


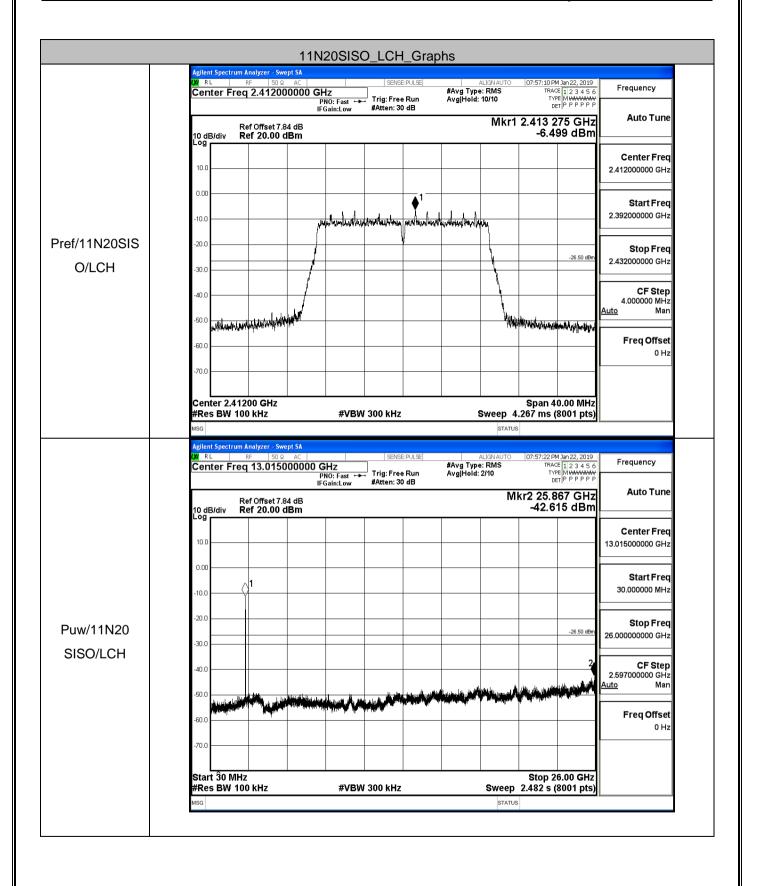


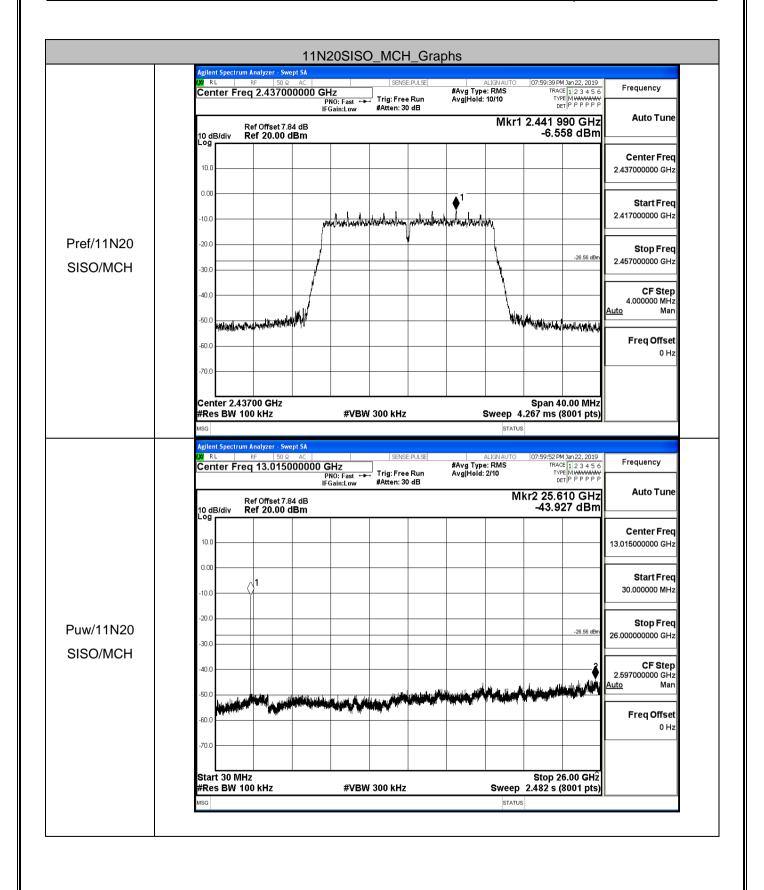


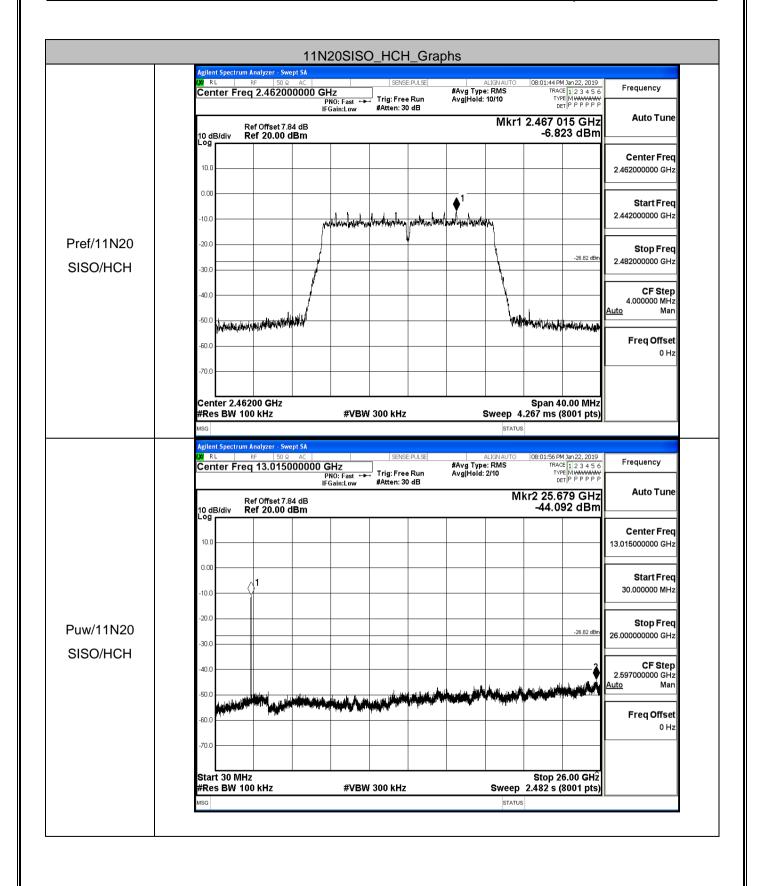


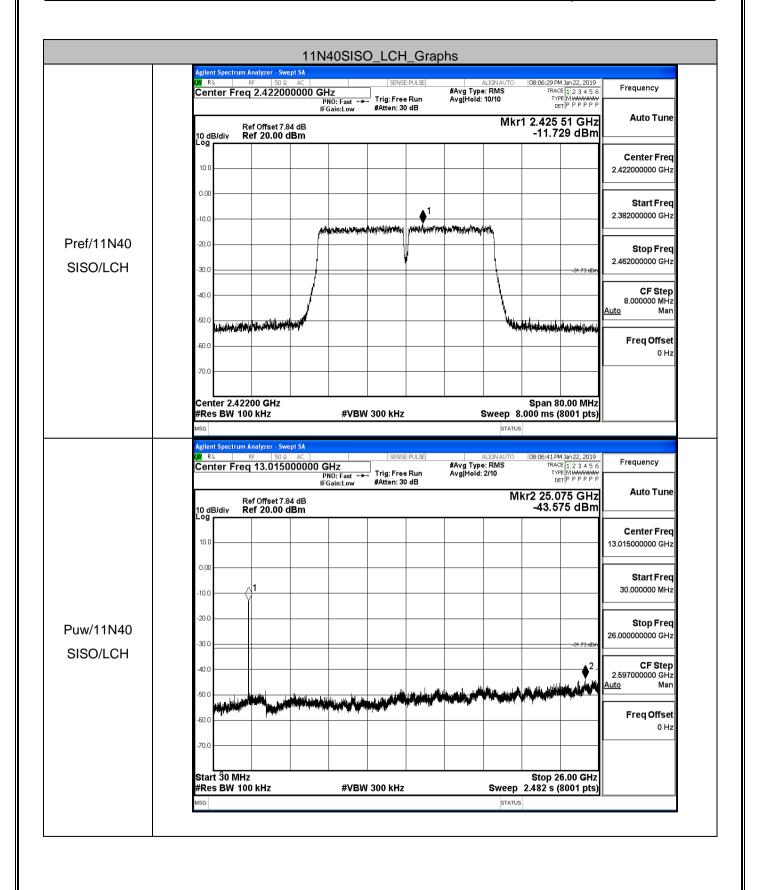


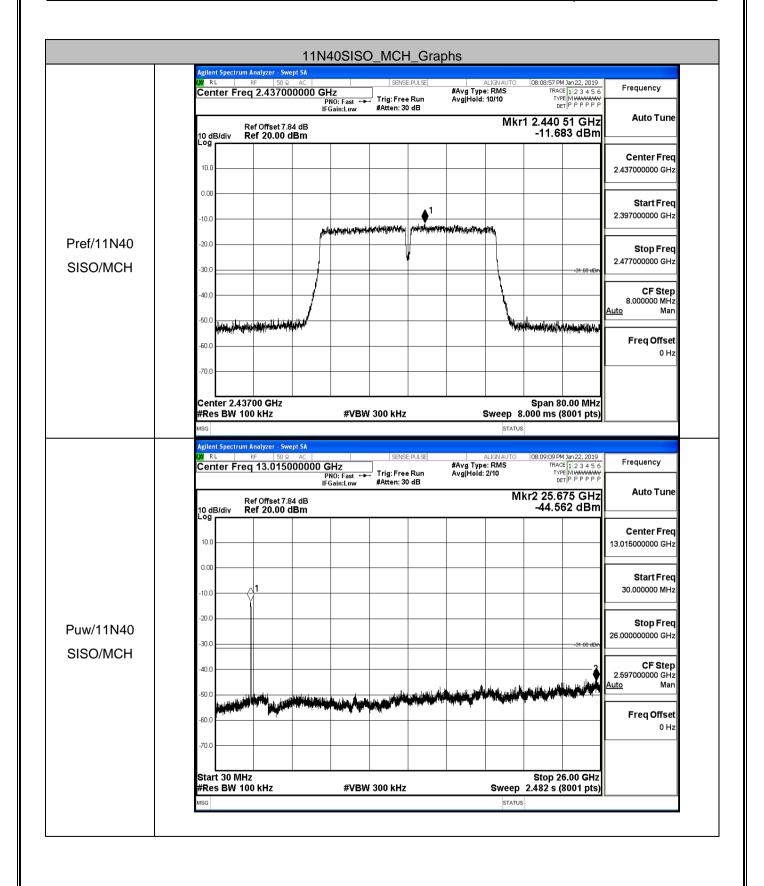


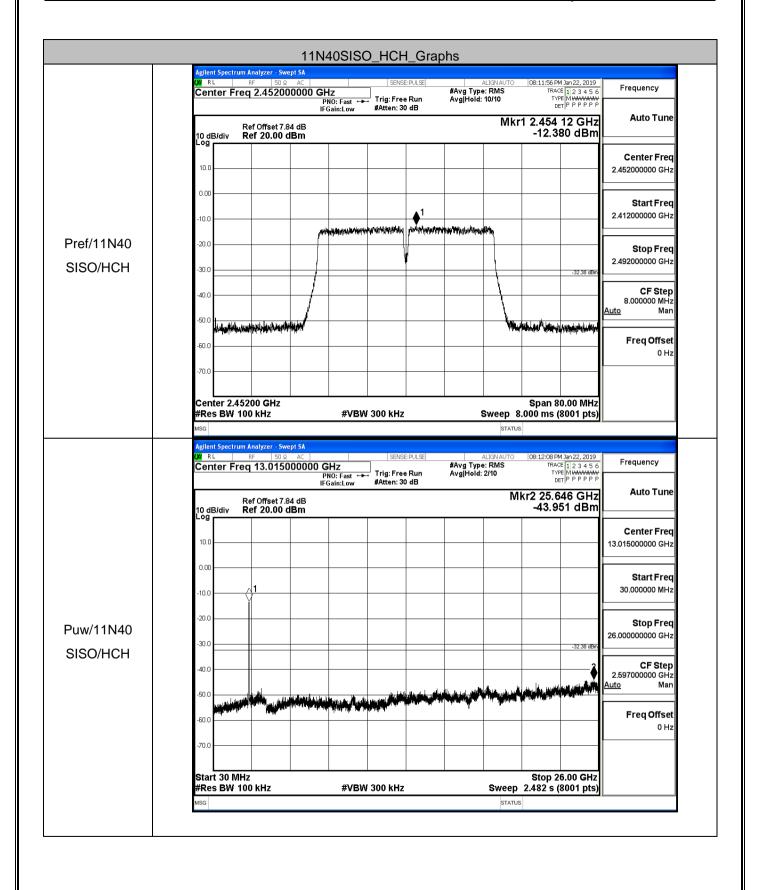






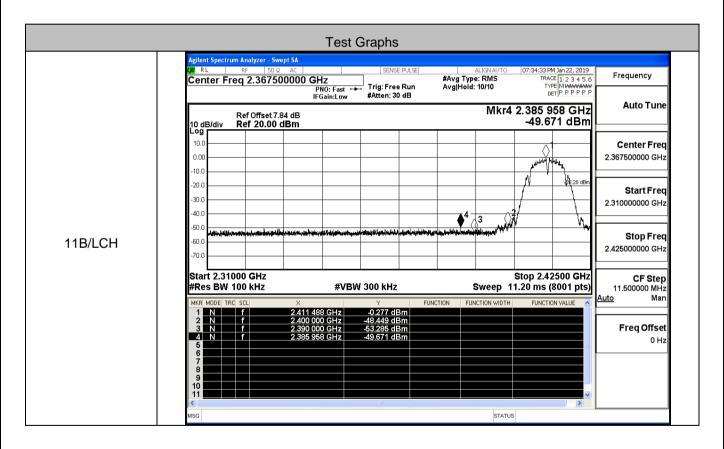




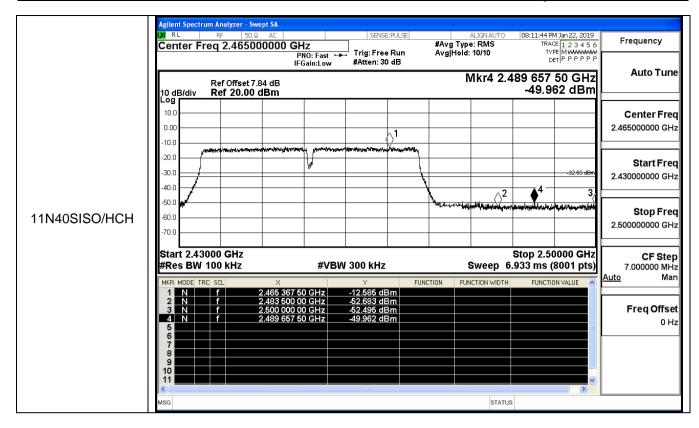


A.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
4.45	LCH	-0.277	-49.671	-20.28	PASS
11B	HCH	0.813	-49.013	-19.19	PASS
	LCH	-5.813	-49.730	-25.81	PASS
11G	HCH	-6.481	-49.436	-26.48	PASS
	LCH	-6.780	-49.361	-26.78	PASS
11N20SISO	HCH	-6.789	-50.151	-26.79	PASS
	LCH	-12.130	-50.159	-32.13	PASS
11N40SISO	HCH	-12.585	-49.962	-32.59	PASS



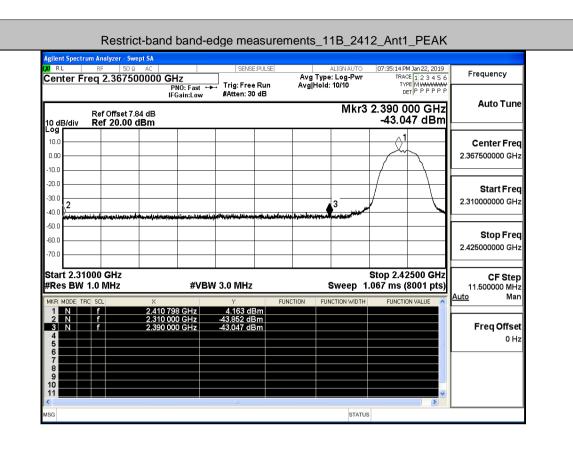
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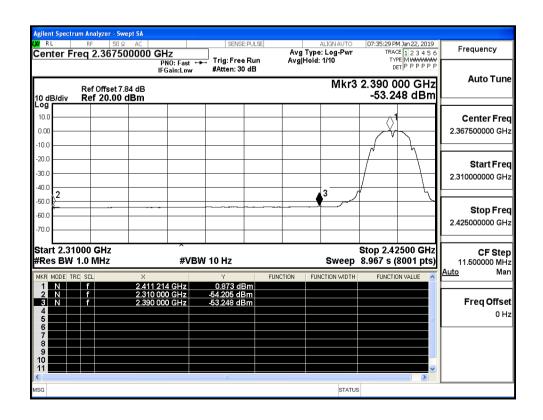
A.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBu V/m]	Verdict
	2412	Ant1	2310.0	-43.852	3.00	0	54.376	PEAK	74	PASS
	2412	Ant1	2310.0	-54.205	3.00	0	44.023	AV	54	PASS
	2412	Ant1	2390.0	-43.047	3.00	0	55.181	PEAK	74	PASS
445	2412	Ant1	2390.0	-53.248	3.00	0	44.980	AV	54	PASS
11B	2462	Ant1	2483.5	-42.315	3.00	0	55.913	PEAK	74	PASS
	2462	Ant1	2483.5	-53.259	3.00	0	44.969	AV	54	PASS
	2462	Ant1	2500.0	-43.469	3.00	0	54.759	PEAK	74	PASS
	2462	Ant1	2500.0	-53.386	3.00	0	44.842	AV	54	PASS
	2412	Ant1	2310.0	-43.437	3.00	0	54.791	PEAK	74	PASS
	2412	Ant1	2310.0	-54.242	3.00	0	43.986	AV	54	PASS
	2412	Ant1	2390.0	-42.953	3.00	0	55.275	PEAK	74	PASS
	2412	Ant1	2390.0	-53.053	3.00	0	45.175	AV	54	PASS
11G	2462	Ant1	2483.5	-42.085	3.00	0	56.143	PEAK	74	PASS
	2462	Ant1	2483.5	-54.205	3.00	0	44.023	AV	54	PASS
	2462	Ant1	2500.0	-43.047	3.00	0	55.181	PEAK	74	PASS
	2462	Ant1	2500.0	-53.248	3.00	0	44.980	AV	54	PASS
	2412	Ant1	2310.0	-42.315	3.00	0	55.913	PEAK	74	PASS
	2412	Ant1	2310.0	-53.259	3.00	0	44.969	AV	54	PASS
	2412	Ant1	2390.0	-43.469	3.00	0	54.759	PEAK	74	PASS
11N20	2412	Ant1	2390.0	-53.386	3.00	0	44.842	AV	54	PASS
SISO	2462	Ant1	2483.5	-43.437	3.00	0	54.791	PEAK	74	PASS
	2462	Ant1	2483.5	-54.242	3.00	0	43.986	AV	54	PASS
	2462	Ant1	2500.0	-42.953	3.00	0	55.275	PEAK	74	PASS
	2462	Ant1	2500.0	-53.053	3.00	0	45.175	AV	54	PASS
11N40	2422	Ant1	2310.0	-42.085	3.00	0	56.143	PEAK	74	PASS
SISO	2422	Ant1	2310.0	-53.144	3.00	0	45.084	AV	54	PASS

<u>SHENZHEN</u>	HENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.						U5ZG02	Report No.	: LCS18	81203003AE
	2422	Ant1	2390.0	-41.796	3.00	0	56.432	PEAK	74	PASS
	2422	Ant1	2390.0	-53.216	3.00	0	45.012	AV	54	PASS
	2452	Ant1	2483.5	-44.502	3.00	0	53.726	PEAK	74	PASS
	2452	Ant1	2483.5	-54.256	3.00	0	43.972	AV	54	PASS
	2452	Ant1	2500.0	-43.248	3.00	0	54.980	PEAK	74	PASS
	2452	Ant1	2500.0	-53.324	3.00	0	44.904	AV	54	PASS

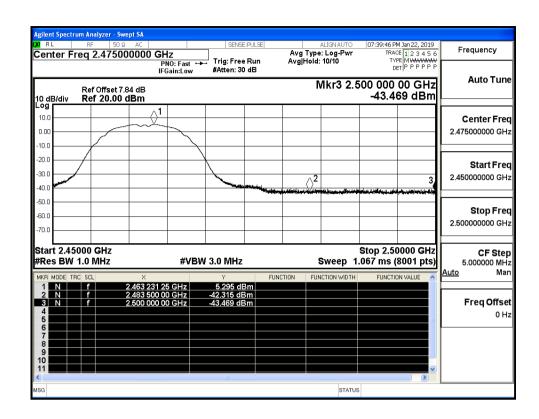


Restrict-band band-edge measurements_11B_2412_Ant1_AV

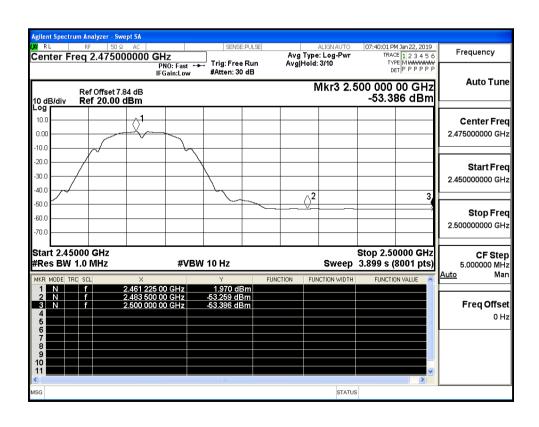


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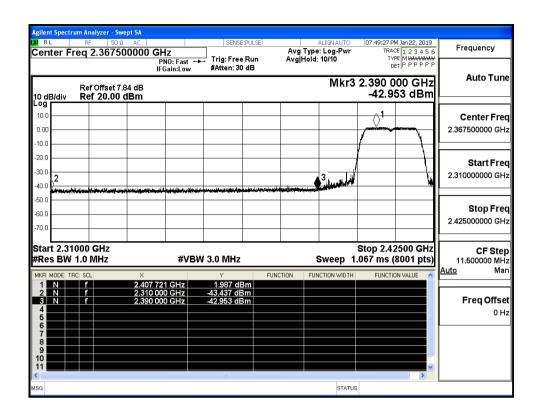
Restrict-band band-edge measurements_11B_2462_Ant1_PEAK



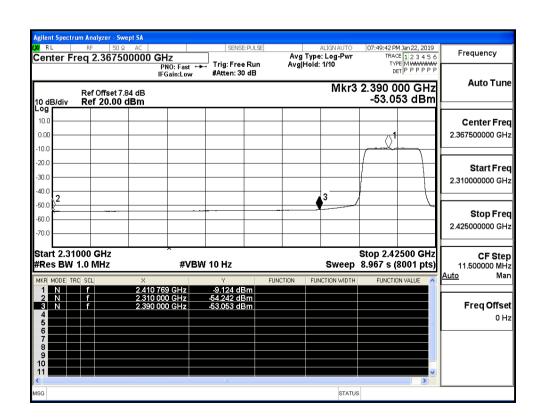
Restrict-band band-edge measurements_11B_2462_Ant1_AV



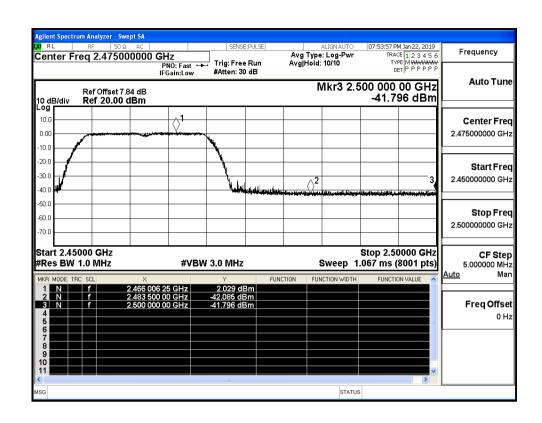
Restrict-band band-edge measurements_11G_2412_Ant1_PEAK



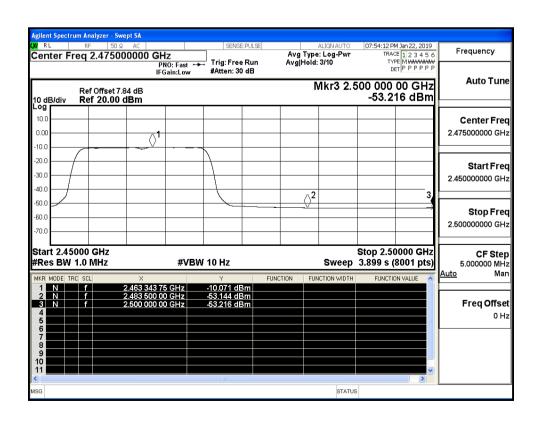
Restrict-band band-edge measurements_11G_2412_Ant1_AV

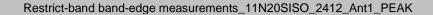


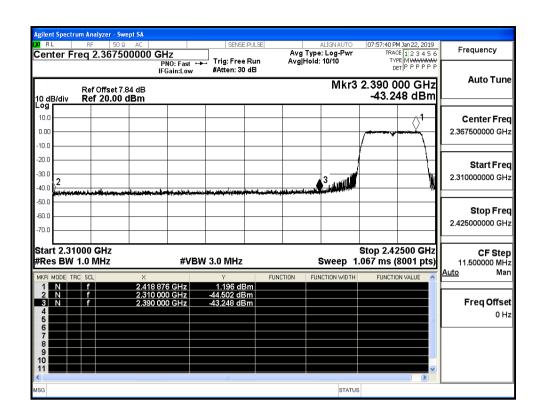
Restrict-band band-edge measurements_11G_2462_Ant1_PEAK



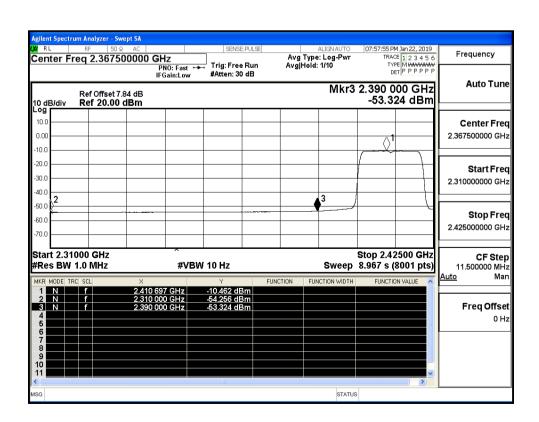
Restrict-band band-edge measurements_11G_2462_Ant1_AV



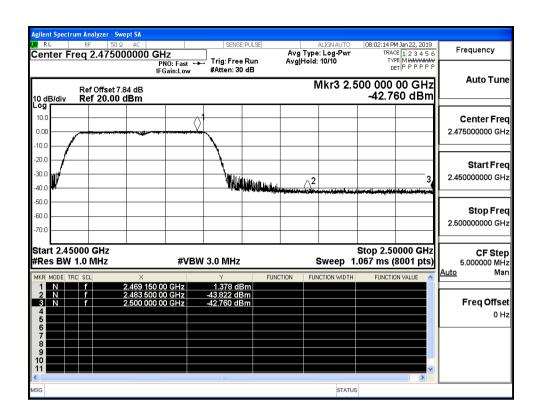




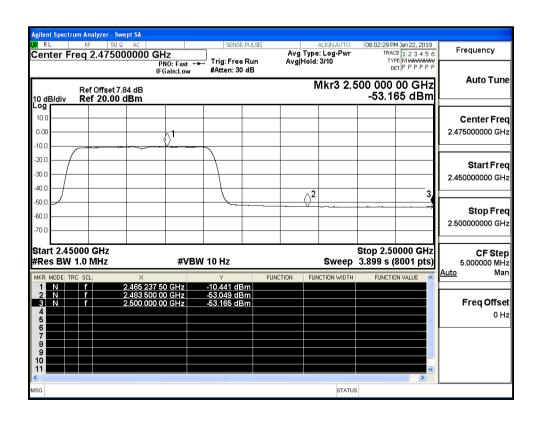
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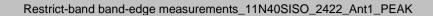


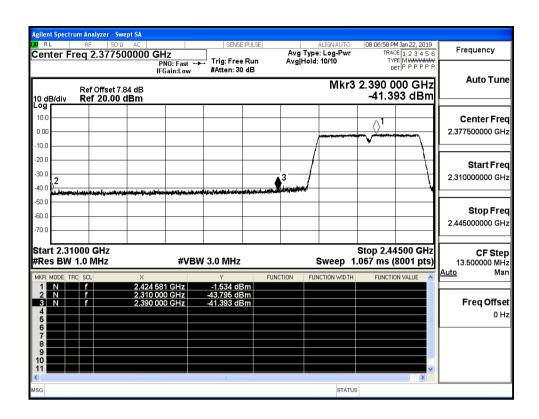
Restrict-band band-edge measurements_11N20SISO_2462_Ant1_PEAK



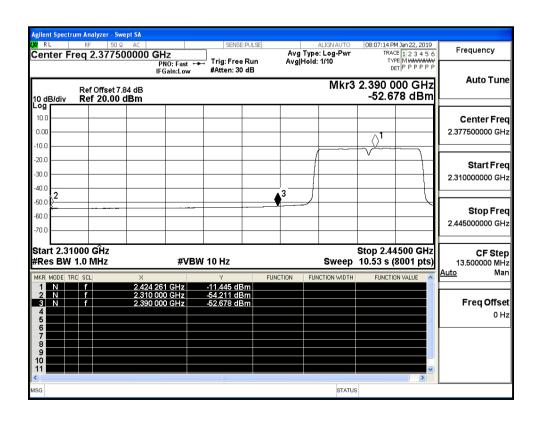
Restrict-band band-edge measurements_11N20SISO_2462_Ant1_AV



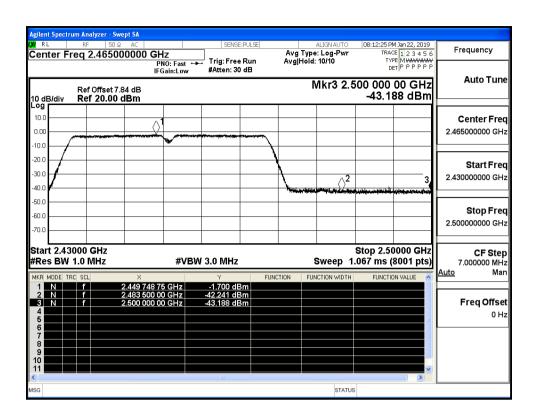




Restrict-band band-edge measurements_11N40SISO_2422_Ant1_AV



Restrict-band band-edge measurements_11N40SISO_2452_Ant1_PEAK



Restrict-band band-edge measurements_11N40SISO_2452_Ant1_AV

