Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: smart media player
Trade Mark: ZIDOO
Test Model: Z9S

Environmental Conditions

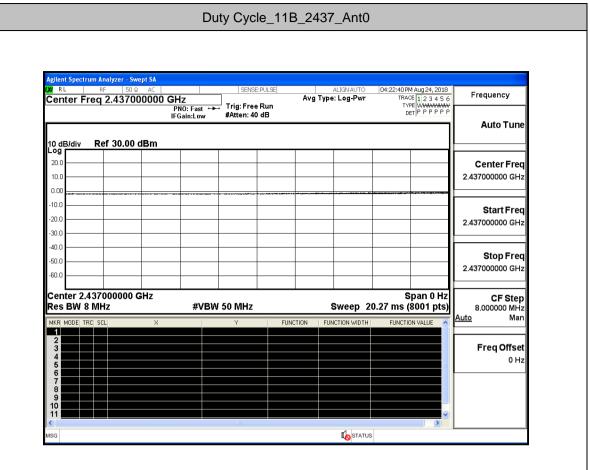
Temperature:		24.3° C				
Relative Humidity:		54.2%				
ATM Pressure:		100.0 kPa				
	Test Engineer:	Tom.Liu				
	Supervised by:	Jayden.Zhuo				

C.1 Duty Cycle

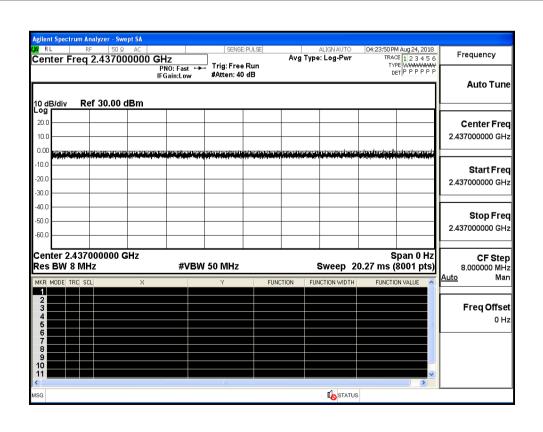
Antenna 0

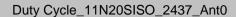
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant0	100	PASS
11G	2437	Ant0	100	PASS
11N20SISO	2437	Ant0	100	PASS
11N40SISO	2437	Ant0	100	PASS

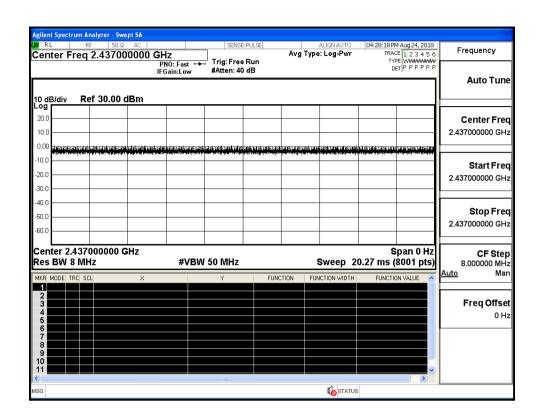
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant0	100	PASS
11G	2437	Ant0	100	PASS
11N20SISO	2437	Ant0	100	PASS
11N40SISO	2437	Ant0	100	PASS



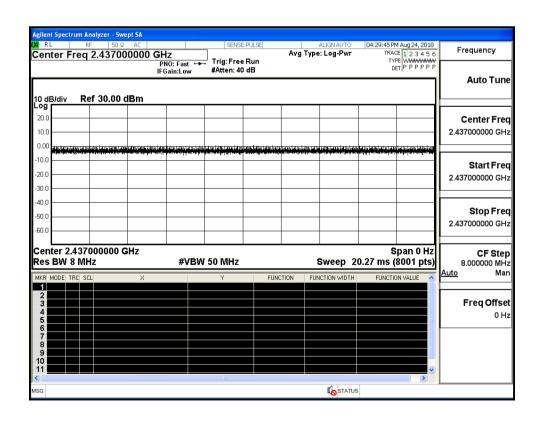
Duty Cycle_11G_2437_Ant0

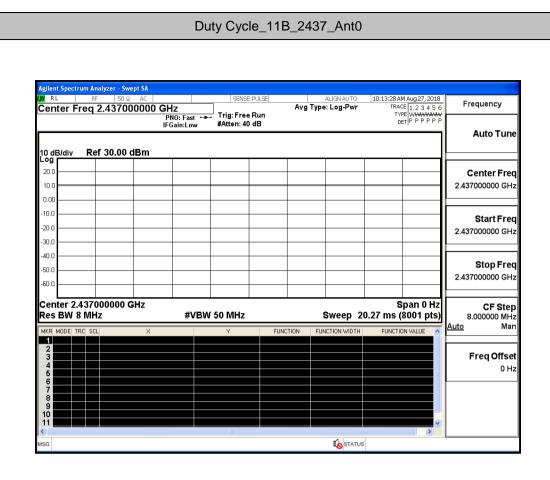




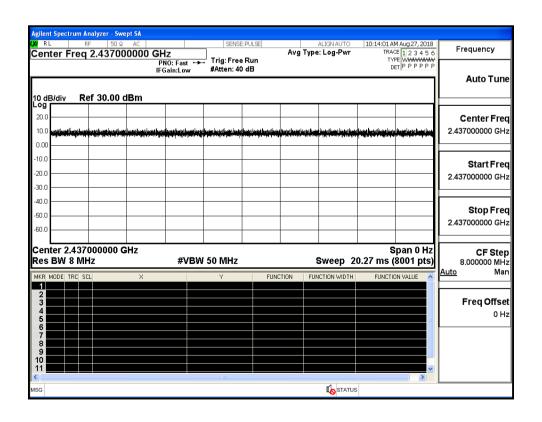


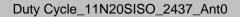
Duty Cycle_11N40SISO_2437_Ant0

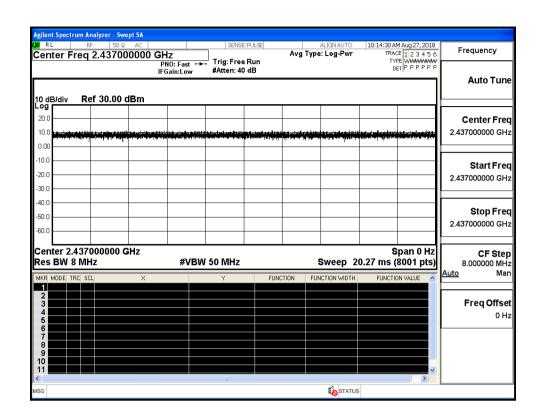




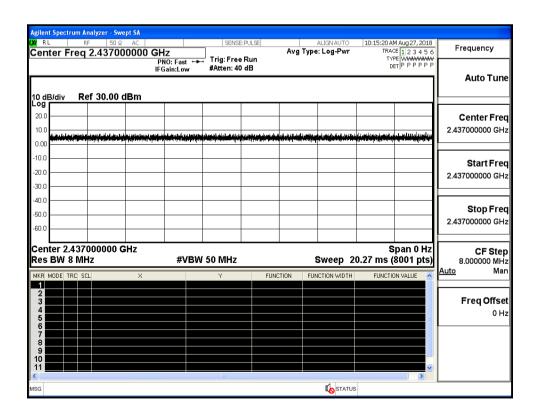
Duty Cycle_11G_2437_Ant0







Duty Cycle_11N40SISO_2437_Ant0



C.2 Maximum Conducted Output Peak Power

Antenna 0

Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
	LCH	17.73	30	PASS
11B	MCH	17.74	30	PASS
	HCH	17.18	30	PASS
	LCH	16.99	30	PASS
11G	MCH	16.53	30	PASS PASS PASS
	HCH	16.23	30	PASS
	LCH	15.78	30	PASS
11N20SISO	MCH	15.69	30	PASS
	HCH	15.36	30	PASS
	LCH	14.30	30	PASS
11N40SISO	MCH	14.29	30	PASS
	HCH	14.73	30	PASS

Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
	LCH	17.38	30	PASS
11B	MCH	17.56	30	PASS
	HCH	17.42	30	PASS
	LCH	16.59	30	PASS
11G	MCH	16.45	30	PASS PASS PASS
	HCH	16.93	30	PASS
	LCH	15.81	30	PASS
11N20SISO	MCH	15.69	30	PASS
	HCH	15.10	30	PASS
	LCH	14.94	30	PASS
11N40SISO	MCH	14.59	30	PASS
	HCH	14.69	30	PASS

Antenna 0+ Antenna 1

Mode	Channel	Meas.Level at Antenna 0 [dBm]	Meas.Level at Antenna 1 [dBm]	Sum Antenna 0 and Antenna 1 [dBm]	Limit [dBm]	Verdict
	LCH	15.78	15.81	18.81	30	PASS
11N20MIMO	MCH	15.69	15.69	18.70	30	PASS
	HCH	15.36	15.10	18.24	30	PASS
	LCH	14.30	14.94	17.64	30	PASS
11N40MIMO	MCH	14.29	14.59	17.45	30	PASS
	HCH	14.73	14.69	17.72	30	PASS

C.3 Maximum Power Spectral Density

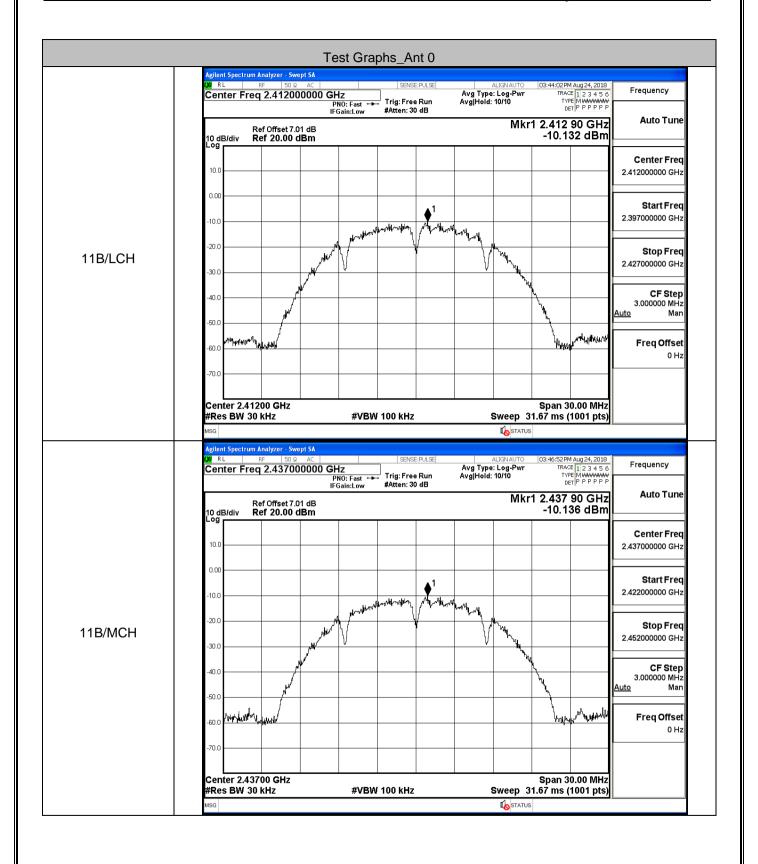
Antenna 0

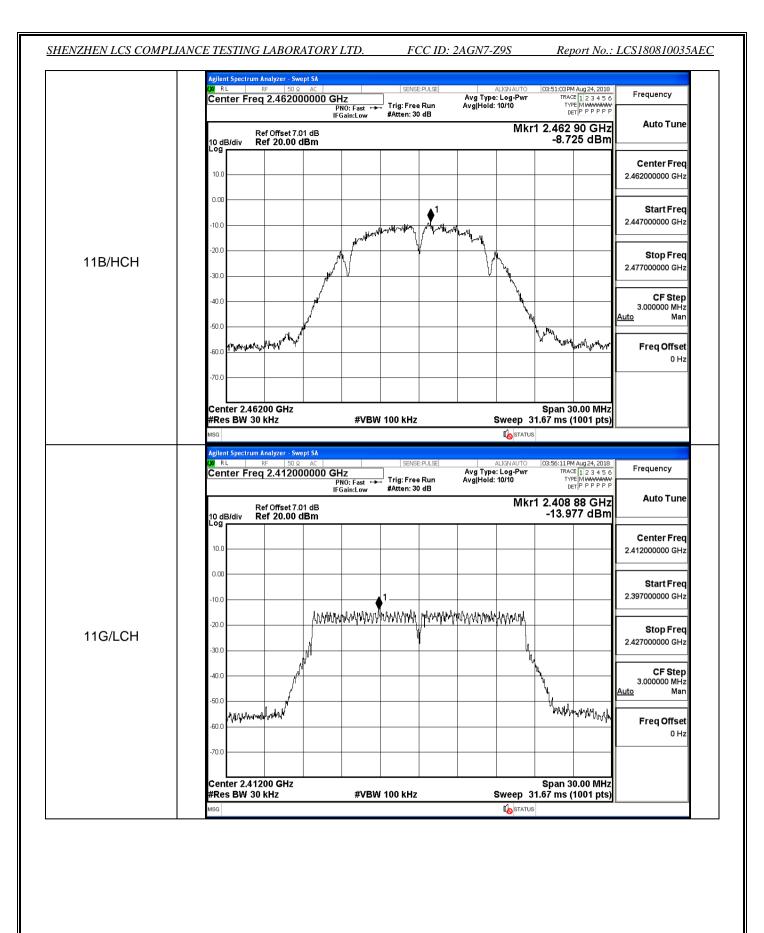
Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
	LCH	-10.132	8	PASS
11B	MCH	-10.136	8	PASS
	HCH	-8.725	8	PASS
	LCH	-13.977	8	PASS
11G	MCH	-14.307	8	PASS
	HCH	-14.669	8	PASS
	LCH	-13.918	8	PASS
11N20SISO	MCH	-13.772	8	PASS
	HCH	-14.151	8	PASS
	LCH	-16.538	8	PASS
11N40SISO	MCH	-17.718	8	PASS
	HCH	-18.195	8	PASS

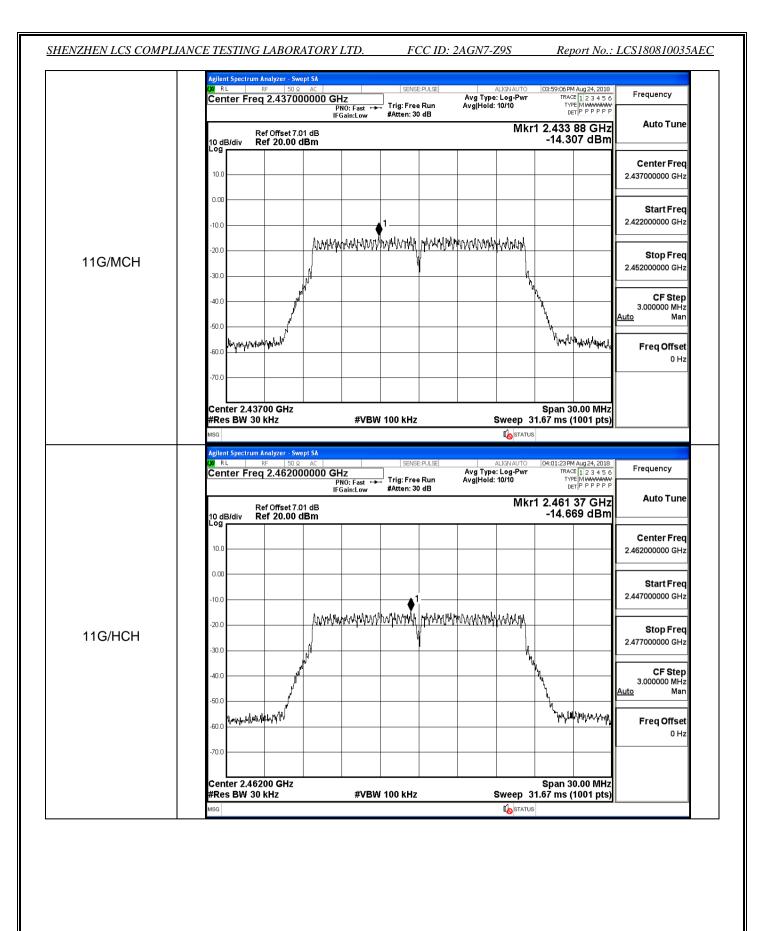
Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-5.567	8	PASS
	MCH	-9.721	8	PASS
	HCH	-9.837	8	PASS
	LCH	-13.084	8	PASS
11G	MCH	-13.370	8	PASS
	HCH	-13.955	8	PASS
	LCH	-13.725	8	PASS
11N20SISO	MCH	-10.597	8	PASS
	HCH	-14.323	8	PASS
	LCH	-17.295	8	PASS
11N40SISO	MCH	-17.785	8	PASS
	HCH	-17.373	8	PASS

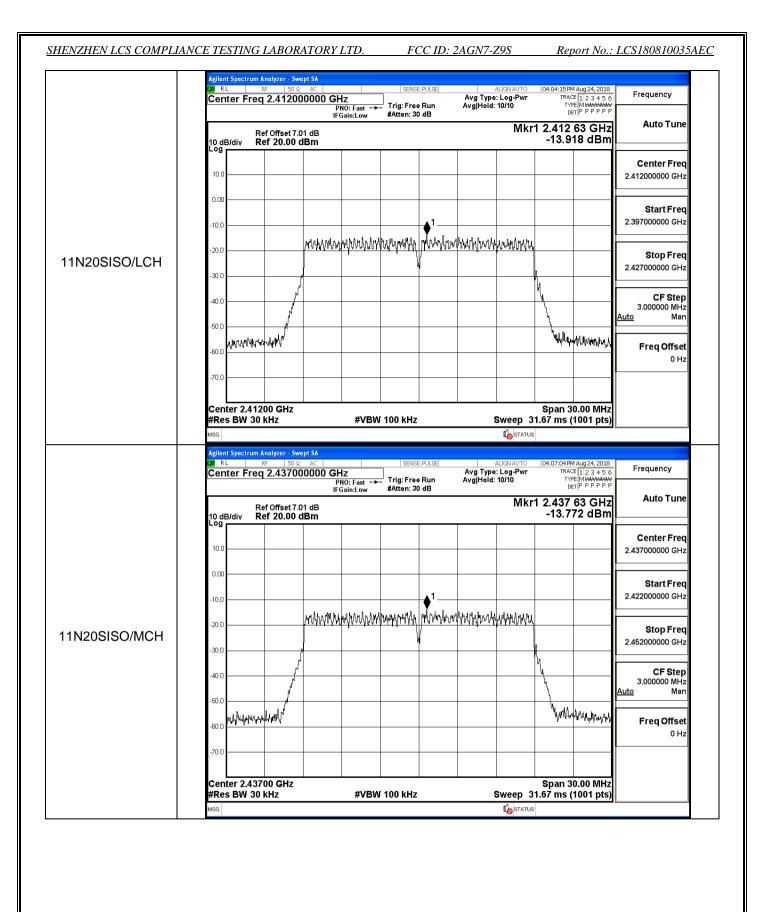
Antenna 0 + Antenna 1

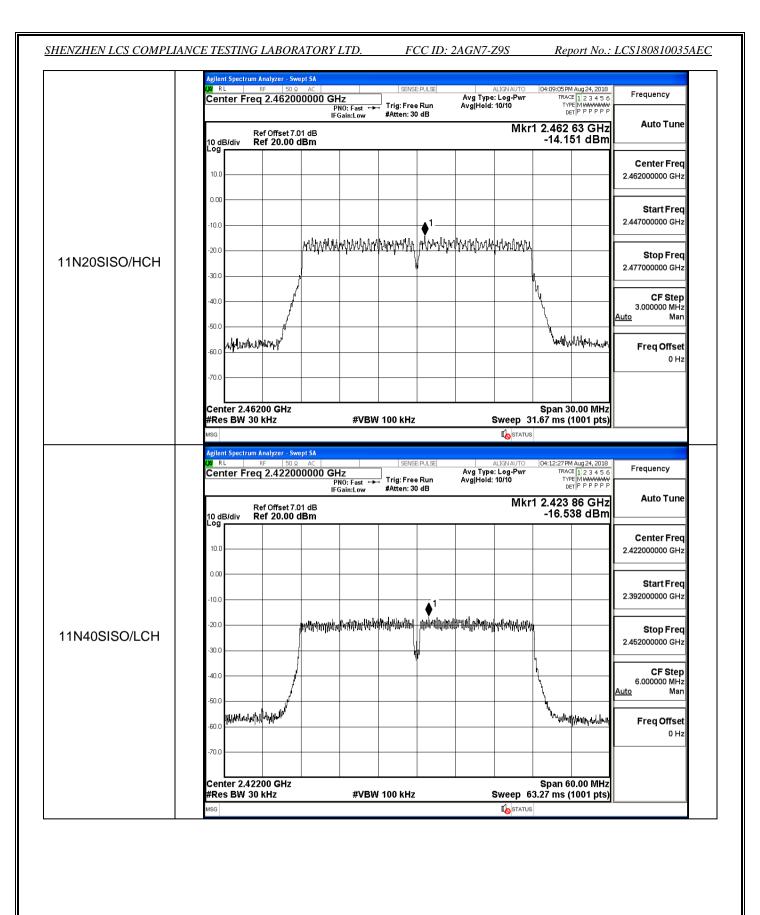
Mode	Channel	Meas.Level at Antenna 0 [dBm/30KHz]	Meas.Level at Antenna 1 [dBm/30Kz]	Sum Antenna 0 and Antenna 1 [dBm/30KHz]	Limit [dBm/30KHz]	Verdict
	LCH	-13.918	-13.725	-10.810	7.99	PASS
11N20MIMO	MCH	-13.772	-10.597	-8.890	7.99	PASS
	HCH	-14.151	-14.323	-11.226	7.99	PASS
	LCH	-16.538	-17.295	-13.890	7.99	PASS
11N40MIMO	MCH	-17.718	-17.785	-14.741	7.99	PASS
	HCH	-18.195	-17.373	-14.754	7.99	PASS

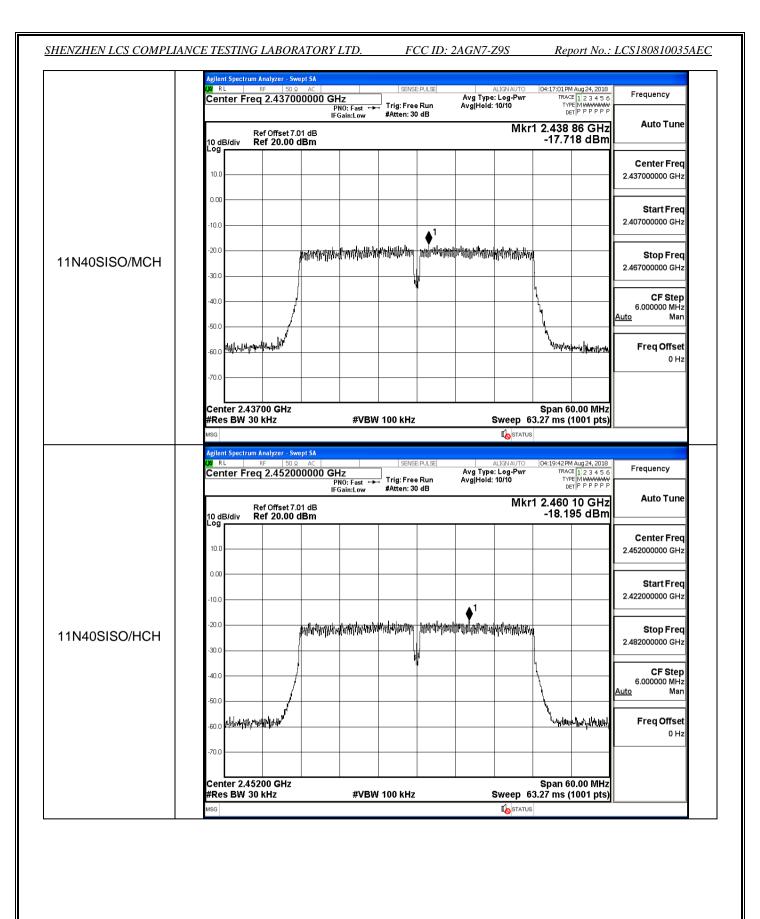


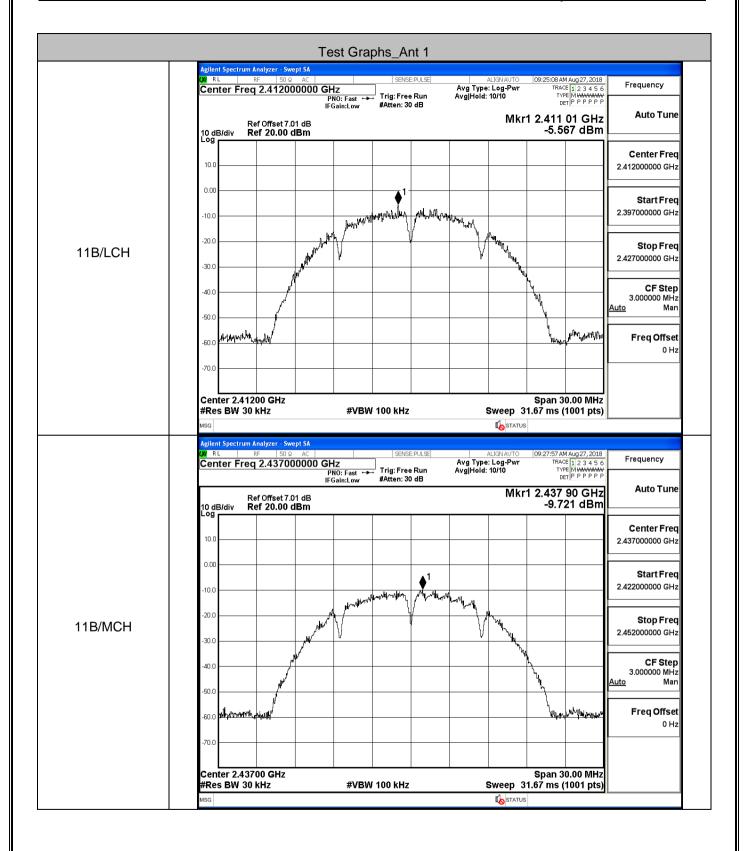


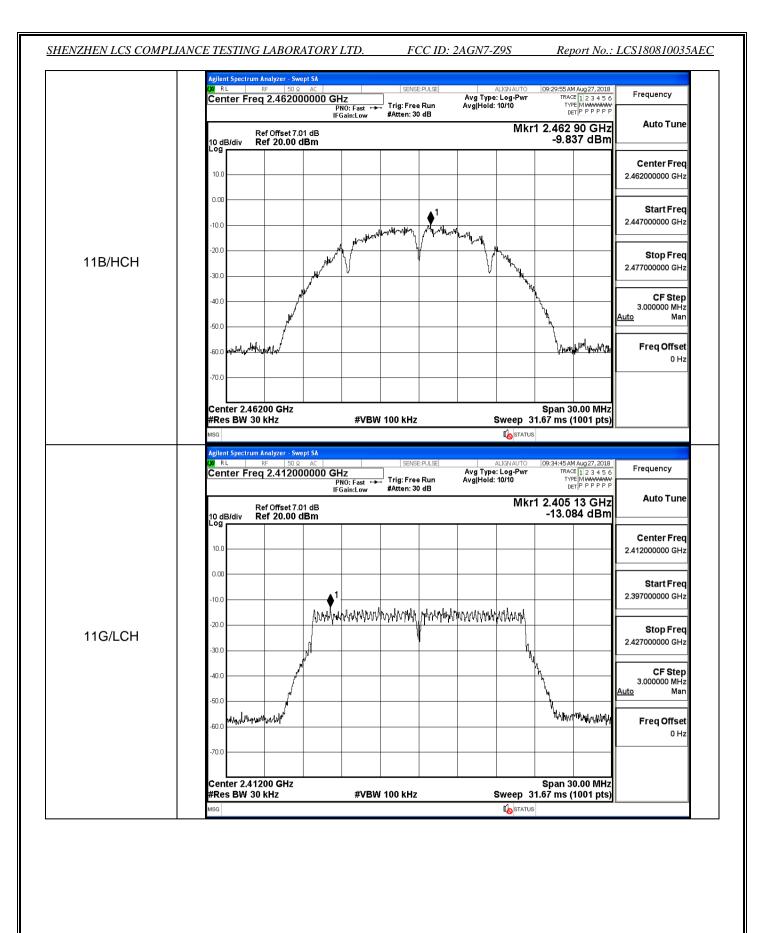


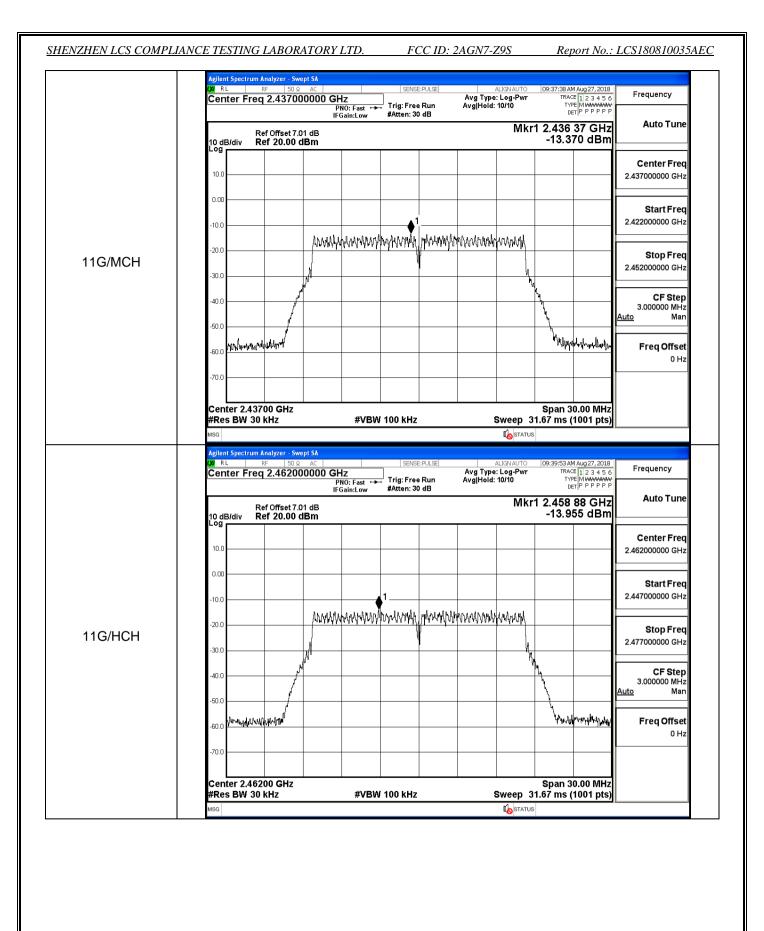


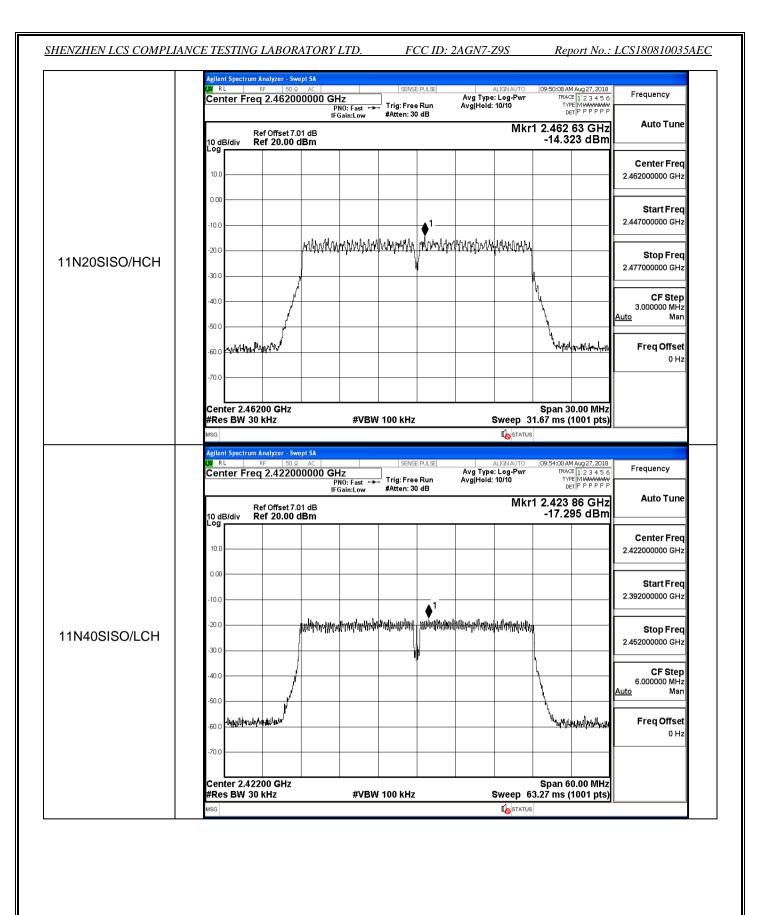


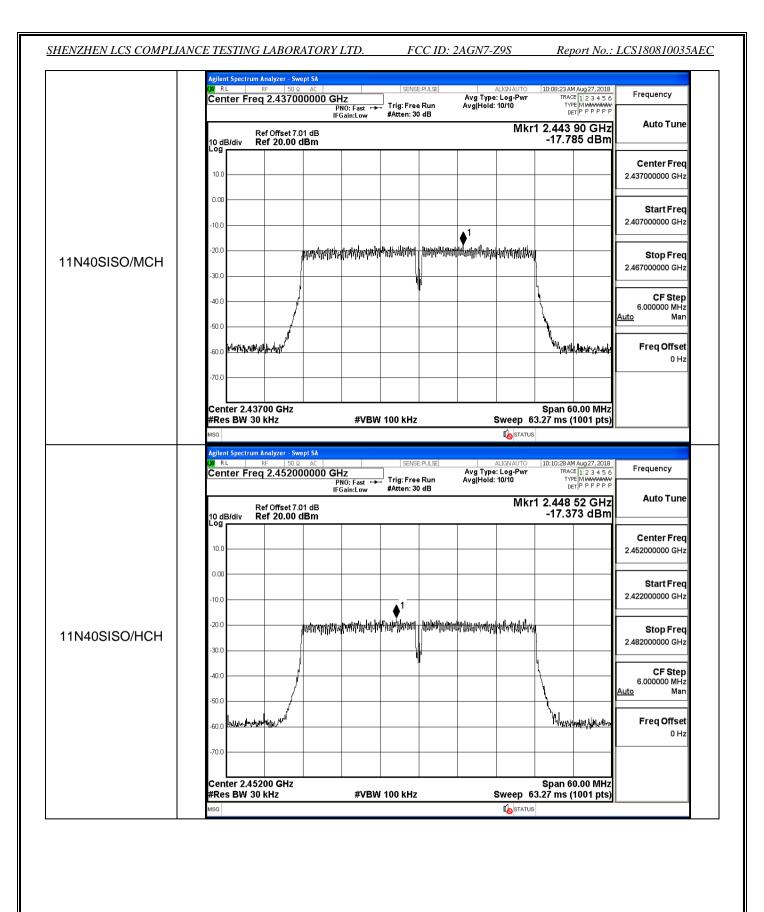










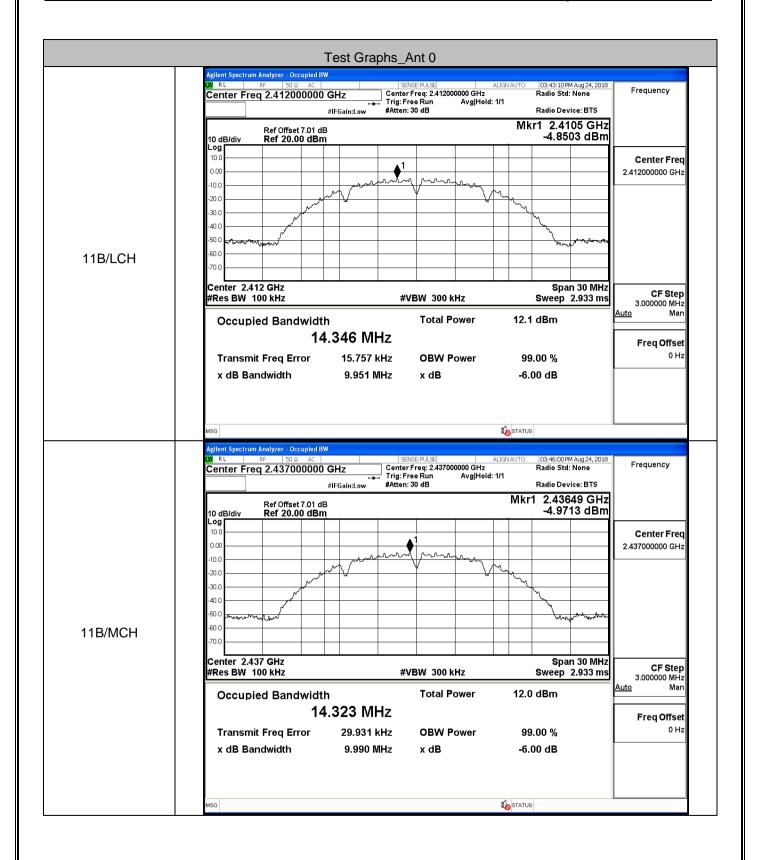


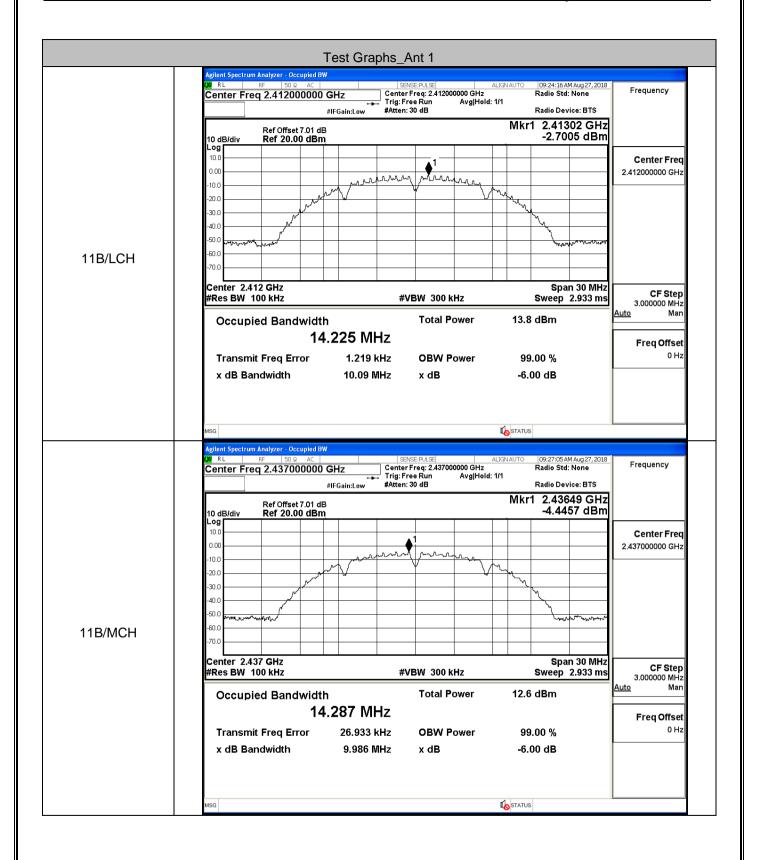
C.4 6dB Bandwidth

Antenna 0

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	9.951	≥0.5	PASS
11B	MCH	9.990	≥0.5	PASS
	HCH	9.152	≥0.5	PASS
	LCH	16.61	≥0.5	PASS
11G	MCH	16.61	≥0.5	PASS
	HCH	16.60	≥0.5	PASS
	LCH	17.82	≥0.5	PASS
11N20SISO	MCH	17.82	≥0.5	PASS
	HCH	17.83	≥0.5	PASS
	LCH	36.48	≥0.5	PASS
11N40SISO	MCH	36.47	≥0.5	PASS
	HCH	36.47	≥0.5	PASS

Antenna i						
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict		
	LCH	10.09	≥0.5	PASS		
11B	MCH	9.986	≥0.5	PASS		
	HCH	9.986	≥0.5	PASS		
	LCH	16.61	≥0.5	PASS		
11G	MCH	16.61	≥0.5	PASS		
110	HCH	16.62	≥0.5	PASS		
	LCH	17.84	≥0.5	PASS		
11N20SISO	MCH	17.82	≥0.5	PASS		
	HCH	17.82	≥0.5	PASS		
	LCH	36.50	≥0.5	PASS		
11N40SISO	MCH	36.48	≥0.5	PASS		
	HCH	36.50	≥0.5	PASS		





C.5 RF Conducted Spurious Emissions

Antenna 0

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
	LCH	-4.955	-44.308	-24.955	PASS
11B	MCH	-5.009	-43.086	-25.009	PASS
	HCH	-3.495	-44.980	-23.495	PASS
	LCH	-10.902	-44.130	-30.902	PASS
11G	MCH	-11.557	-45.248	-31.557	PASS
	HCH	-11.835	-45.084	-31.835	PASS
	LCH	-11.111	-44.928	-31.111	PASS
11N20	MCH	-11.018	-44.802	-31.018	PASS
SISO	HCH	-11.6	-45.284	-31.600	PASS
	LCH	-13.973	-43.932	-33.973	PASS
11N40	MCH	-14.986	-44.810	-34.986	PASS
SISO	НСН	-15.659	-44.236	-35.659	PASS

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-3.101	-46.068	-23.101	PASS
	MCH	-4.538	-44.294	-24.538	PASS
	HCH	-4.655	-45.458	-24.655	PASS
11G	LCH	-10.477	-44.516	-30.477	PASS
	MCH	-10.458	-45.032	-30.458	PASS
	HCH	-11.178	-45.129	-31.178	PASS
11N20 SISO	LCH	-11.391	-44.873	-31.391	PASS
	MCH	-8.353	-45.730	-34.300	PASS
	HCH	-11.438	-44.525	-31.438	PASS
11N40 SISO	LCH	-14.154	-45.494	-34.154	PASS
	MCH	-14.910	-44.666	-34.910	PASS
	НСН	-14.635	-44.551	-34.635	PASS

