# Appendix C

# RF Test Data for 2.4G WIFI (Conducted Measurement)

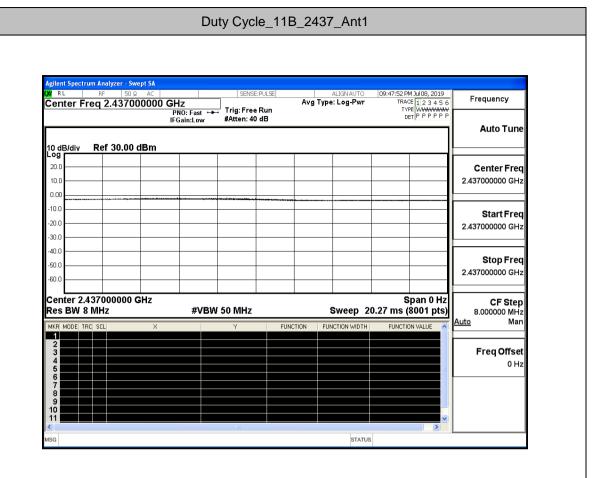
Product Name: Tablet PC
Trade Mark: FUSION5
Test Model: FWIN232 Plus

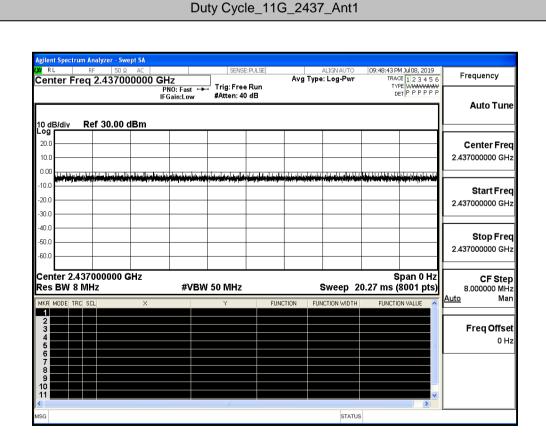
### **Environmental Conditions**

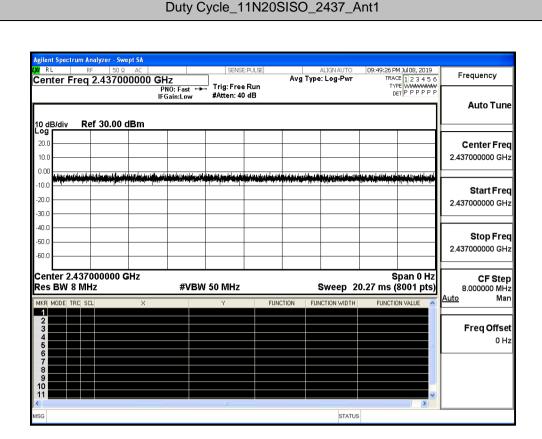
Temperature:		24.3°C			
	Relative Humidity:	52.8%			
	ATM Pressure:	100.0 kPa			
Test Engineer: Supervised by:		Li Huan			
		Wang.Chuang			

# **C.1 Duty Cycle**

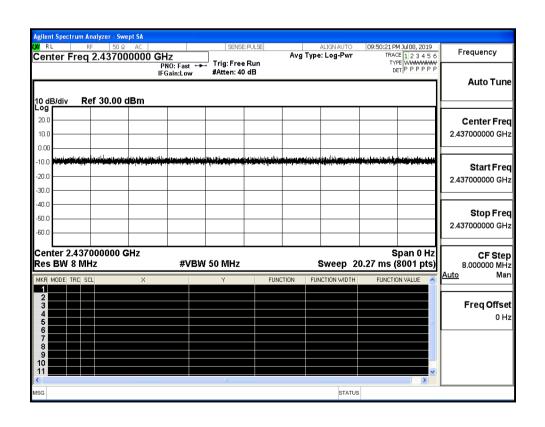
Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant1	100	PASS
11G	2437	Ant1	100	PASS
11N20SISO	2437	Ant1	100	PASS
11N40SISO	2437	Ant1	100	PASS





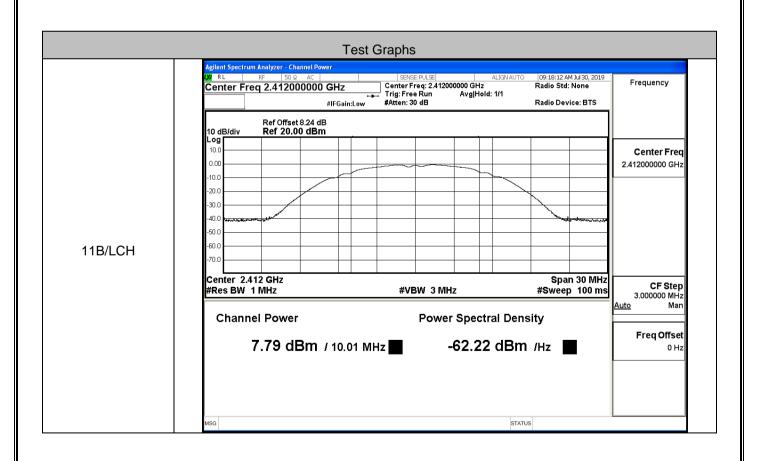


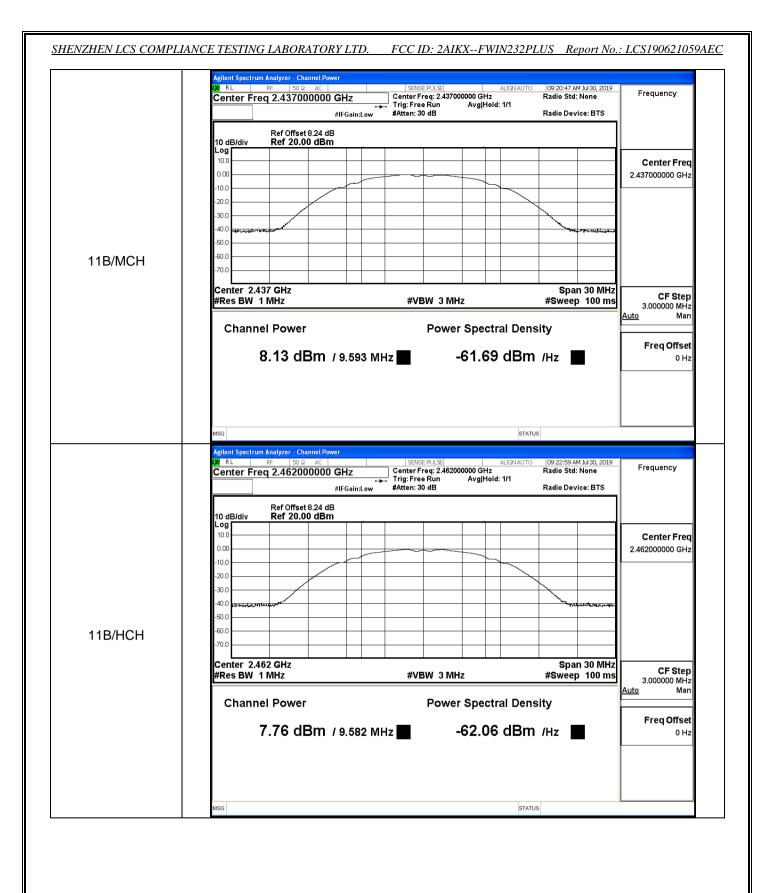


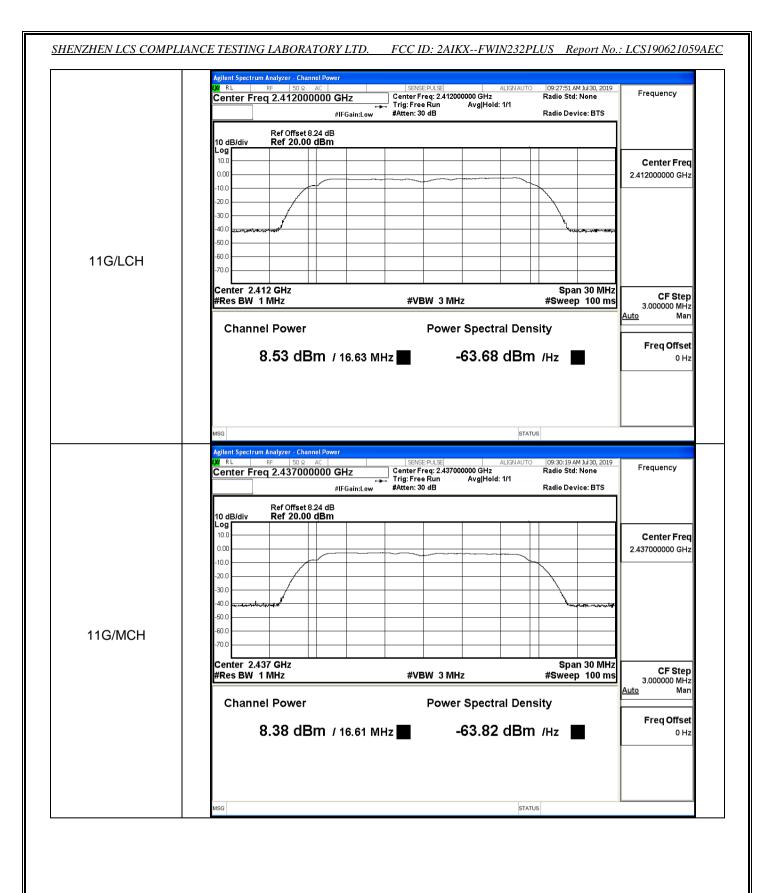


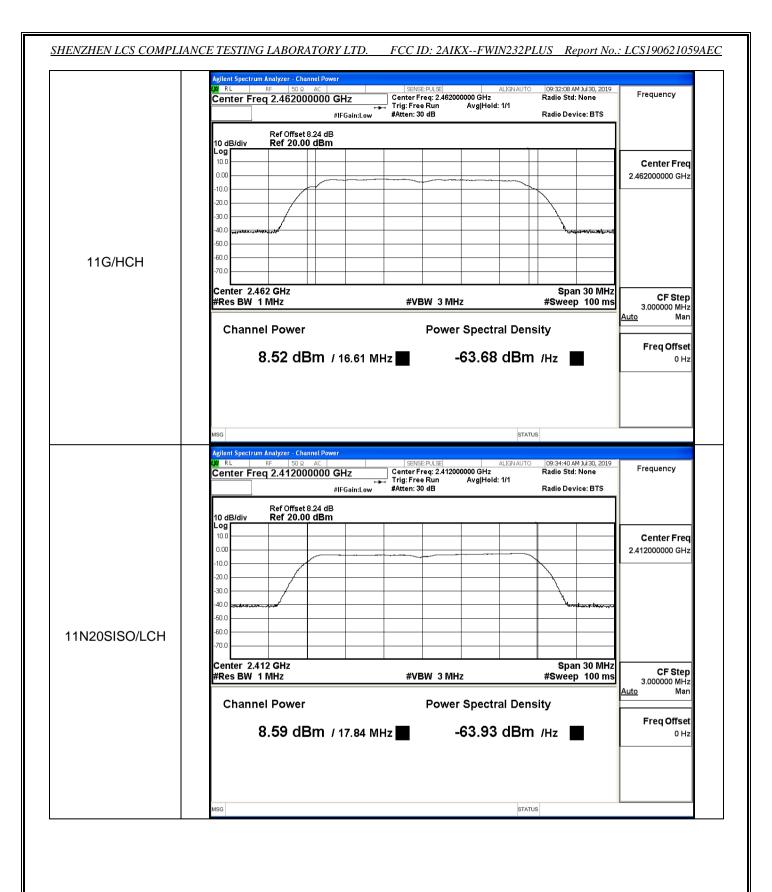
## **C.2 Maximum Conducted Output Power**

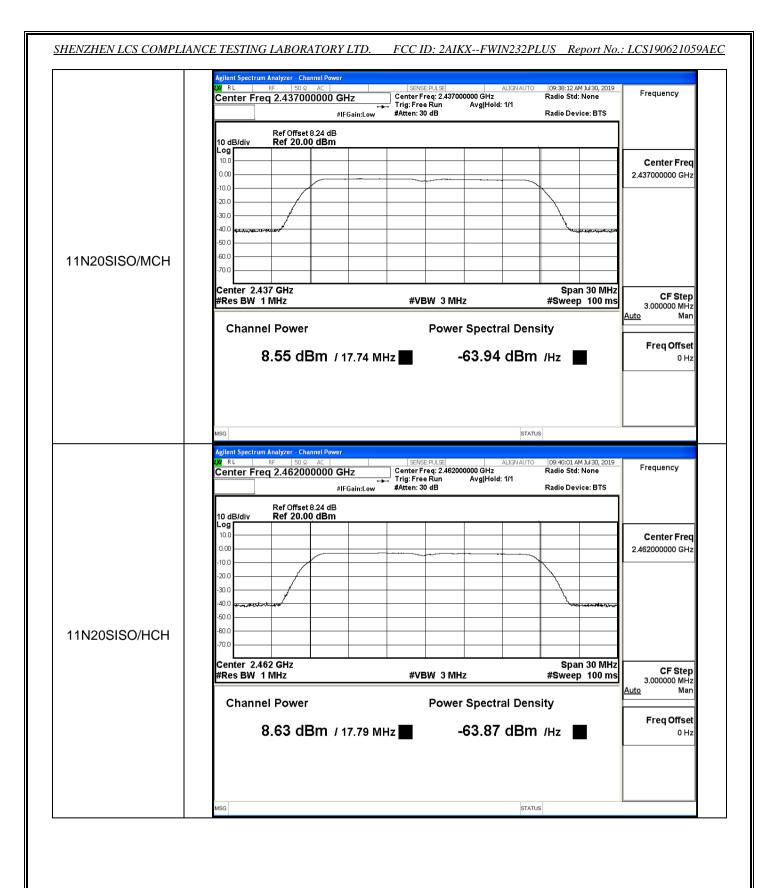
Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
	LCH	7.79	30	PASS
11B	MCH	8.13	30	PASS
	HCH	7.76	30	PASS
	LCH	8.53	30	PASS
11G	MCH	8.38	30	PASS
	HCH	8.52	30	PASS
	LCH	8.59	30	PASS
11N20SISO	MCH	8.55	30	PASS
	HCH	8.63	30	PASS
	LCH	8.68	30	PASS
11N40SISO	MCH	7.81	30	PASS
	HCH	7.55	30	PASS

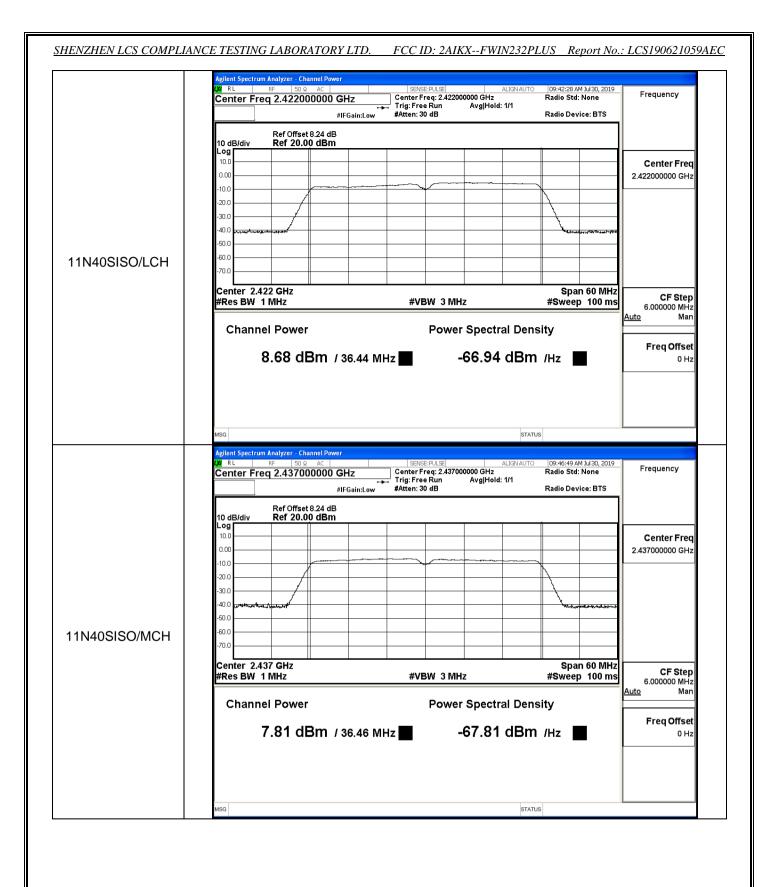








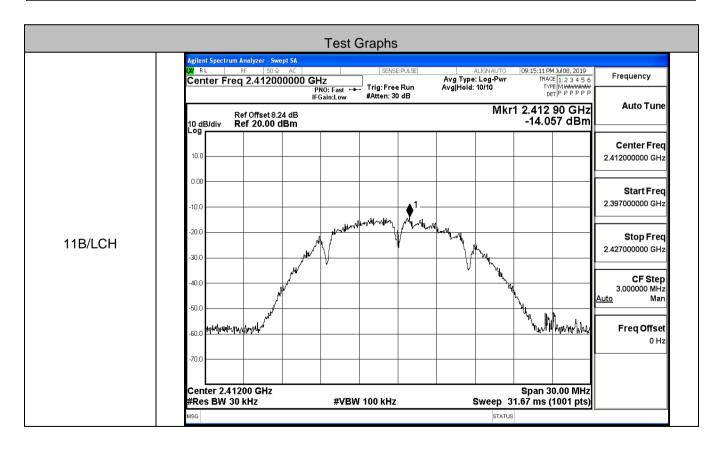




### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AIKX--FWIN232PLUS Report No.: LCS190621059AEC | SENSE:PULSE | ALIGNAUTO | Center Freq: 2.452000000 GHz | Trig: Free Run | Avg|Hold: 1/1 |#Atten: 30 dB 09:48:35 AM Jul 30, 2019 Radio Std: None Frequency Center Freq 2.452000000 GHz Radio Device: BTS #IFGain:Low Ref Offset 8.24 dB Ref 20.00 dBm 10.0 Center Freq n no 2.452000000 GHz 10 O 11N40SISO/HCH Center 2.452 GHz #Res BW 1 MHz Span 60 MHz #Sweep 100 ms **CF Step** 6.000000 MHz #VBW 3 MHz Man **Channel Power Power Spectral Density** Freq Offset 7.55 dBm / 36.49 MHz -68.07 dBm /Hz STATUS

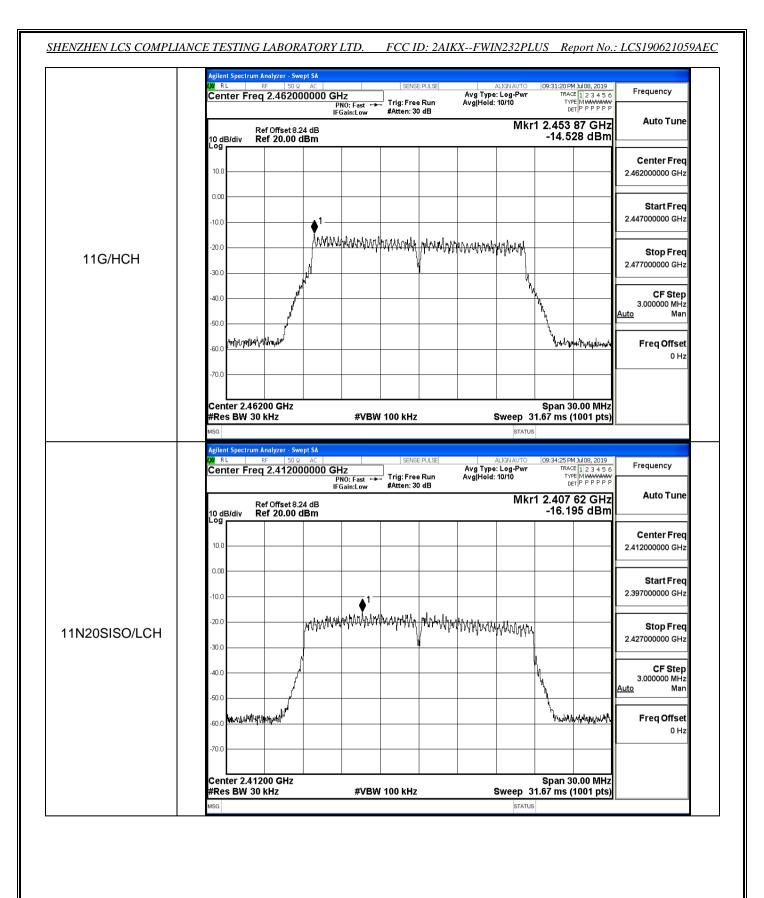
### **C.3 Maximum Power Spectral Density**

Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
	LCH	-14.057	8	PASS
11B	MCH	-12.416	8	PASS
	HCH	-12.618	8	PASS
	LCH	-15.278	8	PASS
11G	MCH	-13.470	8	PASS
	HCH	-14.528	8	PASS
	LCH	-16.195	8	PASS
11N20SISO	MCH	-13.854	8	PASS
	HCH	-14.950	8	PASS
	LCH	-18.953	8	PASS
11N40SISO	MCH	-16.508	8	PASS
	HCH	-16.807	8	PASS

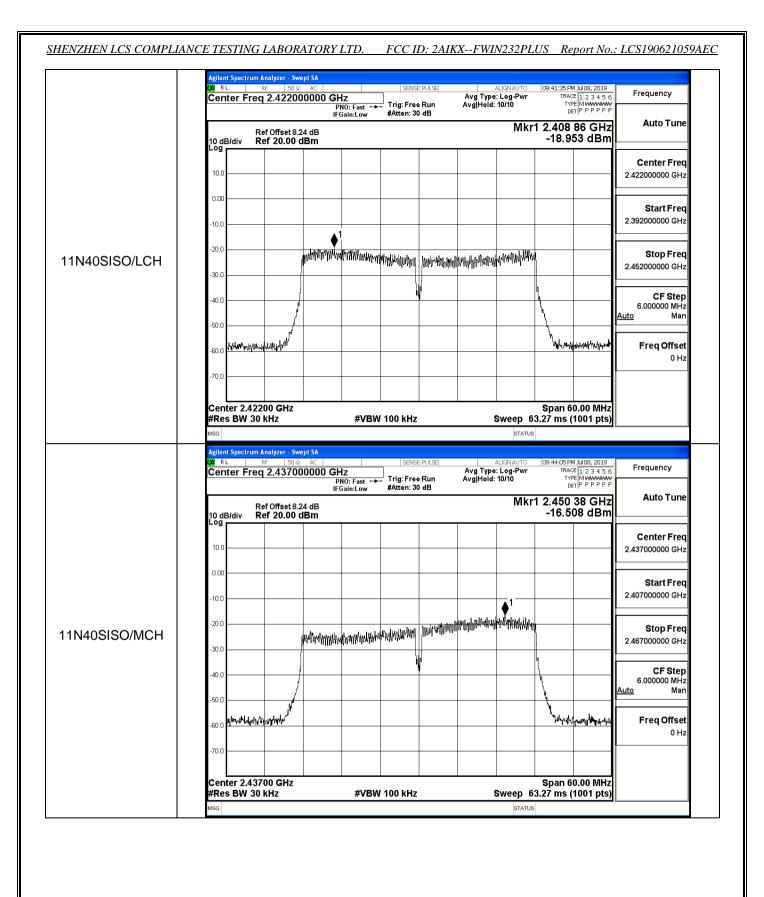


### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AIKX--FWIN232PLUS Report No.: LCS190621059AEC Frequency Avg Type: Log-Pwr Avg|Hold: 10/10 Center Freq 2.437000000 GHz Trig: Free Run PNO: Fast +++ IFGain:Low #Atten: 30 dB Auto Tune Mkr1 2.438 89 GHz Ref Offset 8.24 dB Ref 20.00 dBm -12.416 dBm 10 dB/div Center Freq 2.437000000 GHz 0.00 Start Freq 2.422000000 GHz 10.0 Stop Freq 11B/MCH 2.452000000 GHz 30 C **CF Step** 3.000000 MHz 40.0 <u>Auto</u> Man -50.0 THE PROPERTY OF THE PROPERTY O valythyr, layrah an th Freq Offset Span 30.00 MHz Center 2.43700 GHz #Res BW 30 kHz **#VBW 100 kHz** Sweep 31.67 ms (1001 pts) Agilent Spectrum Analyzer - Swept SA Frequency Avg Type: Log-Pwr Avg|Hold: 10/10 Center Freq 2.462000000 GHz Trig: Free Run PNO: Fast ↔ IFGain:Low #Atten: 30 dB Auto Tune Mkr1 2.462 90 GHz Ref Offset 8.24 dB Ref 20.00 dBm -12.618 dBm 10 dB/div Log Center Freq 10.0 2.462000000 GHz 0.00 Start Freq 2.447000000 GHz 10.0 Stop Freq 11B/HCH 2.477000000 GHz 30.0 **CF Step** 3.000000 MHz 40.0 <u>Auto</u> Man (HM/HAN/MH) Freq Offset Center 2.46200 GHz Span 30.00 MHz Sweep 31.67 ms (1001 pts) #Res BW 30 kHz **#VBW** 100 kHz

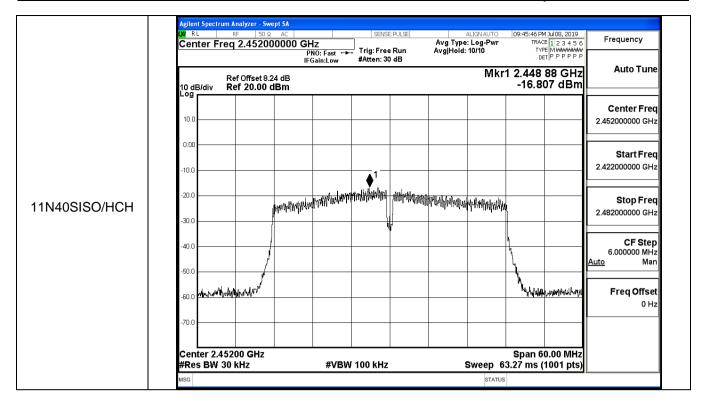
### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AIKX--FWIN232PLUS Report No.: LCS190621059AEC Frequency Avg Type: Log-Pwr Avg|Hold: 10/10 Center Freq 2.412000000 GHz Trig: Free Run PNO: Fast +++ IFGain:Low #Atten: 30 dB Auto Tune Mkr1 2.408 88 GHz Ref Offset 8.24 dB Ref 20.00 dBm -15.278 dBm 10 dB/div Center Freq 2.412000000 GHz 0.00 Start Freq 2.397000000 GHz 10.0 TOWARD TOWNS HOUSE THE THREE TO THE TOWN T 20.0 Stop Freq 11G/LCH 2.427000000 GHz 30.0 **CF Step** 3.000000 MHz 40.0 <u>Auto</u> Man -50.0 Ward Lawrence Freq Offset Span 30.00 MHz Center 2.41200 GHz **#VBW 100 kHz** Sweep 31.67 ms (1001 pts) Agilent Spectrum Analyzer - Swept SA Frequency Avg Type: Log-Pwr Avg|Hold: 10/10 Center Freq 2.437000000 GHz PNO: Fast +++ IFGain:Low Trig: Free Run #Atten: 30 dB Auto Tune Mkr1 2.445 13 GHz Ref Offset 8.24 dB Ref 20.00 dBm -13.470 dBm 10 dB/div Log Center Freq 10.0 2.437000000 GHz 0.00 Start Freq 2.422000000 GHz 10.0 sandreframman for brosen from the reverse and organized Stop Freq 11G/MCH 2.452000000 GHz 30.0 **CF Step** 3.000000 MHz 40.0 <u>Auto</u> Man free\_resolations interplaned il-completed by the second Freq Offset Center 2.43700 GHz Span 30.00 MHz #Res BW 30 kHz **#VBW** 100 kHz Sweep 31.67 ms (1001 pts)



#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AIKX--FWIN232PLUS Report No.: LCS190621059AEC Frequency Avg Type: Log-Pwr Avg|Hold: 10/10 Center Freq 2.437000000 GHz Trig: Free Run PNO: Fast +++ IFGain:Low #Atten: 30 dB Auto Tune Mkr1 2.444 50 GHz Ref Offset 8.24 dB Ref 20.00 dBm -13.854 dBm 10 dB/div Center Freq 10.0 2.437000000 GHz 0.00 Start Freq milyonten my orthograph of pelorappolyonian orthograph 2.422000000 GHz 10.0 20.0 Stop Freq 11N20SISO/MCH 2.452000000 GHz 30.0 **CF Step** 3.000000 MHz 40.0 <u>Auto</u> Man -50.0 mbhusmay|/silabrlip.| Freq Offset Span 30.00 MHz Center 2.43700 GHz **#VBW 100 kHz** Sweep 31.67 ms (1001 pts) Agilent Spectrum Analyzer - Swept SA Frequency Avg Type: Log-Pwr Avg|Hold: 10/10 Center Freq 2.462000000 GHz PNO: Fast +++ IFGain:Low Trig: Free Run #Atten: 30 dB Auto Tune Mkr1 2.453 87 GHz Ref Offset 8.24 dB Ref 20.00 dBm -14.950 dBm 10 dB/div Log Center Freq 10.0 2.462000000 GHz 0.00 Start Freq 2.447000000 GHz 10.0 AND ALL BELLEVICATION OF THE PARTY OF THE PA Stop Freq 11N20SISO/HCH 2.477000000 GHz 30.0 **CF Step** 3.000000 MHz 40.0 <u>Auto</u> Man harandarikan haran da karandaran da karandar halanyah Lamanyan Freq Offset Span 30.00 MHz Center 2.46200 GHz #Res BW 30 kHz **#VBW** 100 kHz Sweep 31.67 ms (1001 pts)

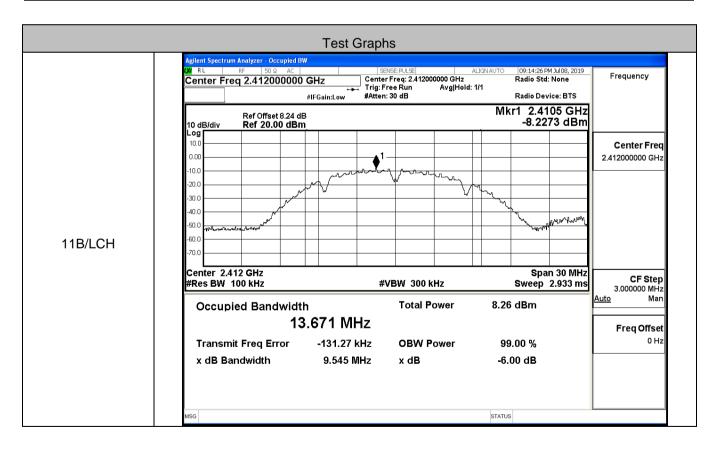


### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AIKX--FWIN232PLUS Report No.: LCS190621059AEC



### C.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	9.545	≥0.5	PASS
11B	MCH	9.658	≥0.5	PASS
	HCH	9.630	≥0.5	PASS
	LCH	16.41	≥0.5	PASS
11G	MCH	16.34	≥0.5	PASS
	HCH	16.59	≥0.5	PASS
	LCH	17.60	≥0.5	PASS
11N20SISO	MCH	16.44	≥0.5	PASS
	HCH	17.77	≥0.5	PASS
	LCH	36.50	≥0.5	PASS
11N40SISO	MCH	23.00	≥0.5	PASS
	HCH	35.84	≥0.5	PASS



### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AIKX--FWIN232PLUS Report No.: LCS190621059AEC 09:17:14 PM Jul 08, 2019 Radio Std: None Frequency Center Freq: 2.437000000 GHz Trig: Free Run Avg|Hold: 1/1 Center Freq 2.437000000 GHz Trig: Free Run #Atten: 30 dB #IFGain:Low Radio Device: BTS Mkr1 2.4385 GHz -7.0525 dBm Ref Offset 8.24 dB Ref 20.00 dBm 10.0 Center Freq n no 2.437000000 GHz 10 O 11B/MCH Center 2.437 GHz #Res BW 100 kHz Span 30 MHz **CF Step** #VBW 300 kHz Sweep 2.933 ms 3.000000 MHz Man **Total Power** 9.70 dBm Occupied Bandwidth 14.351 MHz Freq Offset 399.33 kHz **Transmit Freq Error OBW Power** 99.00 % 9.658 MHz -6.00 dB x dB Bandwidth x dB gilent Spectrum Analyzer - Occupied BW 09:19:14 PM Jul 08, 2019 Radio Std: None Center Freq: 2.462000000 GHz Trig: Free Run Avg|Hold: 1/1 #Atten: 30 dB Frequency Center Freq 2.462000000 GHz #IFGain:Low Radio Device: BTS Mkr1 2.4605 GHz -7.1125 dBm Ref Offset 8.24 dB Ref 20.00 dBm 10 dB/div Center Freq n no 2.462000000 GHz 10.0 11B/HCH Center 2.462 GHz #Res BW 100 kHz Span 30 MHz **CF Step** 3.000000 MHz #VBW 300 kHz Sweep 2.933 ms 9.76 dBm **Total Power** Occupied Bandwidth 14.498 MHz Freq Offset -237.61 kHz **OBW Power** 99.00 % **Transmit Freq Error** 9.630 MHz -6.00 dB x dB Bandwidth x dB STATUS

### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AIKX--FWIN232PLUS Report No.: LCS190621059AEC Frequency Center Freq: 2.412000000 GHz Trig: Free Run Avg|Hold: 1/1 Center Freq 2.412000000 GHz Trig: Free Run #Atten: 30 dB #IFGain:Low Radio Device: BTS Mkr1 2.40741 GHz -12.128 dBm Ref Offset 8.24 dB Ref 20.00 dBm 10.0 Center Freq n no 2.412000000 GHz 10 C ..... H ---- N-0 11G/LCH Center 2.412 GHz #Res BW 100 kHz Span 30 MHz **CF Step** #VBW 300 kHz Sweep 2.933 ms 3.000000 MHz Man **Total Power** 7.38 dBm Occupied Bandwidth 16.411 MHz Freq Offset **Transmit Freq Error** -34.941 kHz **OBW Power** 99.00 % 16.41 MHz -6.00 dB x dB Bandwidth x dB gilent Spectrum Analyzer - Occupied BW 09:27:18 PM Jul 08, 2019 Radio Std: None Center Freq: 2.437000000 GHz Trig: Free Run Avg|Hold: 1/1 #Atten: 30 dB Frequency Center Freq 2.437000000 GHz #IFGain:Low Radio Device: BTS Mkr1 2.4445 GHz -11.075 dBm Ref Offset 8.24 dB Ref 20.00 dBm 10 dB/div Center Freq 2.437000000 GHz 10.0 11G/MCH Center 2.437 GHz #Res BW 100 kHz Span 30 MHz **CF Step** #VBW 300 kHz Sweep 2.933 ms 3.000000 MHz **Total Power** 7.71 dBm Occupied Bandwidth 16.608 MHz Freq Offset 125.23 kHz **OBW Power** 99.00 % **Transmit Freq Error** 16.34 MHz -6.00 dB x dB Bandwidth x dB STATUS

#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AIKX--FWIN232PLUS Report No.: LCS190621059AEC 09:30:35 PM Jul 08, 2019 Radio Std: None Frequency Center Freq: 2.462000000 GHz Trig: Free Run Avg|Hold: 1/1 Center Freq 2.462000000 GHz Trig: Free Run #Atten: 30 dB #IFGain:Low Radio Device: BTS Mkr1 2.4545 GHz -12.013 dBm Ref Offset 8.24 dB Ref 20.00 dBm 10.0 Center Freq n no 2.462000000 GHz 10 C الالامامالات 11G/HCH Center 2.462 GHz #Res BW 100 kHz Span 30 MHz **CF Step** #VBW 300 kHz Sweep 2.933 ms 3.000000 MHz Man **Total Power** 7.78 dBm Occupied Bandwidth 16.689 MHz Freq Offset -128.16 kHz **Transmit Freq Error OBW Power** 99.00 % 16.59 MHz -6.00 dB x dB Bandwidth x dB gilent Spectrum Analyzer - Occupied BW 09:33:39 PM Jul 08, 2019 Radio Std: None Center Freq: 2.412000000 GHz Trig: Free Run Avg|Hold: 1/1 #Atten: 30 dB Frequency Center Freq 2.412000000 GHz #IFGain:Low Radio Device: BTS Mkr1 2.40912 GHz -12.838 dBm Ref Offset 8.24 dB Ref 20.00 dBm 10 dB/div Center Freq n no 2.412000000 GHz 10.0 11N20SISO/LCH Center 2.412 GHz #Res BW 100 kHz Span 30 MHz **CF Step** #VBW 300 kHz Sweep 2.933 ms 3.000000 MHz Man **Total Power** 6.24 dBm Occupied Bandwidth 17.551 MHz Freq Offset -6.534 kHz **OBW Power** 99.00 % **Transmit Freq Error** 17.60 MHz -6.00 dB x dB Bandwidth x dB STATUS

#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AIKX--FWIN232PLUS Report No.: LCS190621059AEC 09:36:07 PM Jul 08, 2019 Radio Std: None Frequency Center Freq: 2.437000000 GHz Trig: Free Run Avg|Hold: 1/1 Center Freq 2.437000000 GHz Trig: Free Run #Atten: 30 dB #IFGain:Low Radio Device: BTS 2.44537 GHz -10.155 dBm Mkr1 Ref Offset 8.24 dB Ref 20.00 dBm 10.0 Center Freq n no 2.437000000 GHz 10 O 11N20SISO/MCH Center 2.437 GHz #Res BW 100 kHz Span 30 MHz **CF Step** #VBW 300 kHz Sweep 2.933 ms 3.000000 MHz <u>Auto</u> Man **Total Power** 7.95 dBm Occupied Bandwidth 17.679 MHz Freq Offset 99.786 kHz **Transmit Freq Error OBW Power** 99.00 % 16.44 MHz -6.00 dB x dB Bandwidth x dB gilent Spectrum Analyzer - Occupied BW 09:38:05 PM Jul 08, 2019 Radio Std: None Center Freq: 2.462000000 GHz Trig: Free Run Avg|Hold:>1/1 #Atten: 30 dB Frequency Center Freq 2.462000000 GHz #IFGain:Low Radio Device: BTS Mkr1 2.45411 GHz -12.055 dBm Ref Offset 8.24 dB Ref 20.00 dBm 10 dB/div Center Freq n no 2.462000000 GHz 10.0 11N20SISO/HCH Center 2.462 GHz #Res BW 100 kHz Span 30 MHz **CF Step** #VBW 300 kHz Sweep 2.933 ms 3.000000 MHz Man **Total Power** 7.42 dBm Occupied Bandwidth 17.696 MHz Freq Offset -45.988 kHz **OBW Power** 99.00 % **Transmit Freq Error** 17.77 MHz -6.00 dB x dB Bandwidth x dB STATUS

#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AIKX--FWIN232PLUS Report No.: LCS190621059AEC Frequency Center Freq: 2.422000000 GHz Trig: Free Run Avg|Hold:>1/1 Center Freq 2.422000000 GHz Trig: Free Run #Atten: 30 dB #IFGain:Low Radio Device: BTS Mkr1 2.40736 GHz -15.979 dBm Ref Offset 8.24 dB Ref 20.00 dBm 10.0 Center Freq n no 2.422000000 GHz 10 O 11N40SISO/LCH Center 2.422 GHz #Res BW 100 kHz Span 60 MHz **CF Step** #VBW 300 kHz Sweep 5.8 ms 6.000000 MHz Man **Total Power** 6.43 dBm Occupied Bandwidth 36.205 MHz Freq Offset 48.538 kHz **Transmit Freq Error OBW Power** 99.00 % 36.50 MHz -6.00 dB x dB Bandwidth x dB gilent Spectrum Analyzer - Occupied BW 09:43:20 PM Jul 08, 2019 Radio Std: None Center Freq: 2.437000000 GHz Trig: Free Run Avg|Hold: 1/1 #Atten: 30 dB Frequency Center Freq 2.437000000 GHz #IFGain:Low Radio Device: BTS Mkr1 2.45038 GHz -13.444 dBm Ref Offset 8.24 dB Ref 20.00 dBm 10 dB/div Center Freq 2.437000000 GHz 10.0 hhphaire and a 11N40SISO/MCH Center 2.437 GHz #Res BW 100 kHz Span 60 MHz **CF Step** #VBW 300 kHz Sweep 5.8 ms 6.000000 MHz 7.73 dBm **Total Power** Occupied Bandwidth 35.998 MHz Freq Offset 146.69 kHz **OBW Power** 99.00 % **Transmit Freq Error** 23.00 MHz -6.00 dB x dB Bandwidth x dB STATUS

### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AIKX--FWIN232PLUS Report No.: LCS190621059AEC SENSE:PULSE ALIGNAUTO Center Freq: 2.452000000 GHz Trig: Free Run Avg|Hold>1/1 #Atten: 30 dB Frequency Center Freq 2.452000000 GHz Radio Device: BTS #IFGain:Low Mkr1 2.44978 GHz -14.055 dBm Ref Offset 8.24 dB Ref 20.00 dBm 10.0 Center Freq n no 2.452000000 GHz 10 O المراد المراد المراد 11N40SISO/HCH Center 2.452 GHz #Res BW 100 kHz Span 60 MHz **CF Step** 6.000000 MHz #VBW 300 kHz Sweep 5.8 ms Man **Total Power** 8.01 dBm Occupied Bandwidth 35.749 MHz Freq Offset

67.203 kHz

35.84 MHz

**OBW Power** 

x dB

**Transmit Freq Error** 

x dB Bandwidth

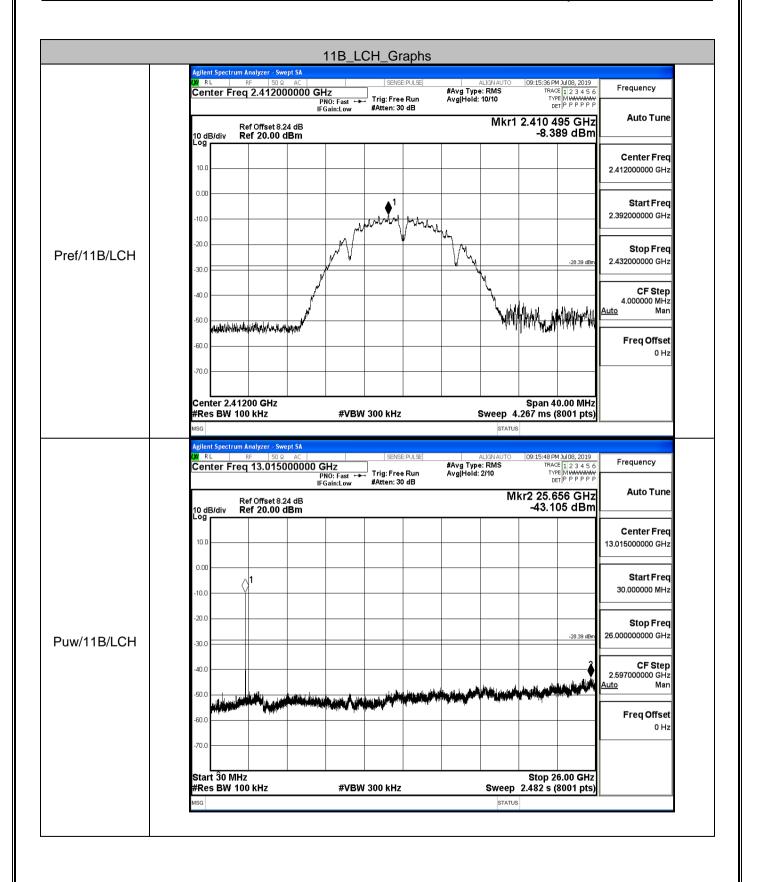
99.00 %

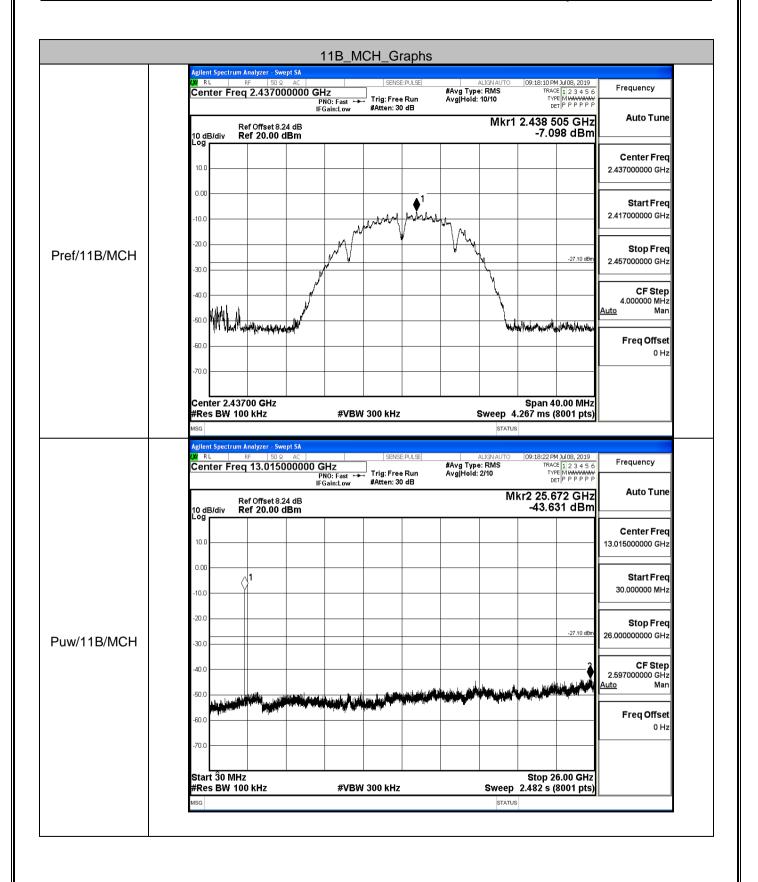
-6.00 dB

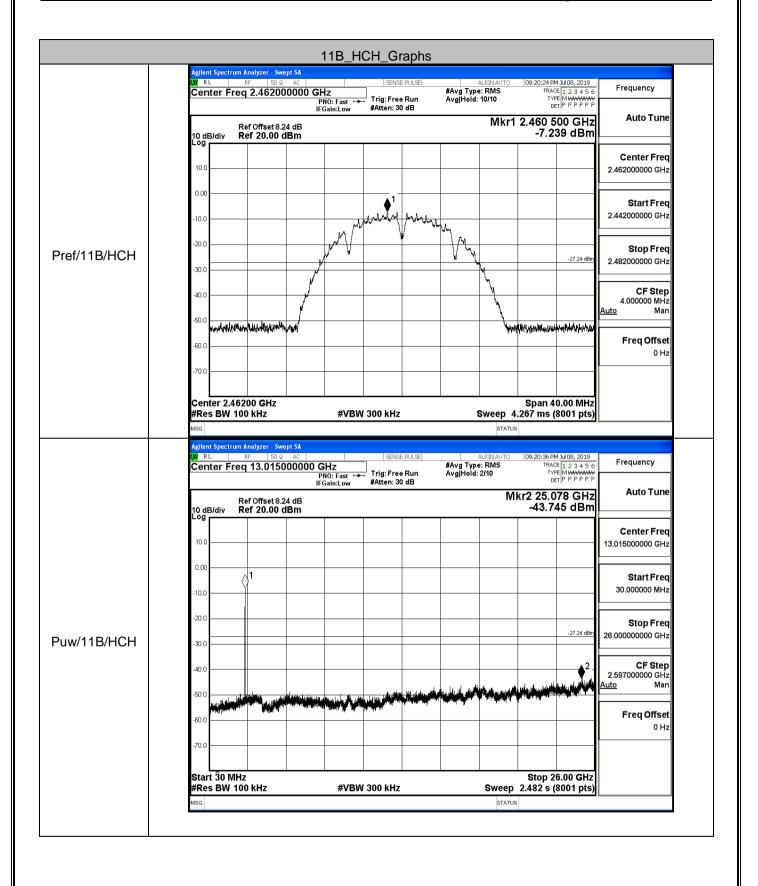
STATUS

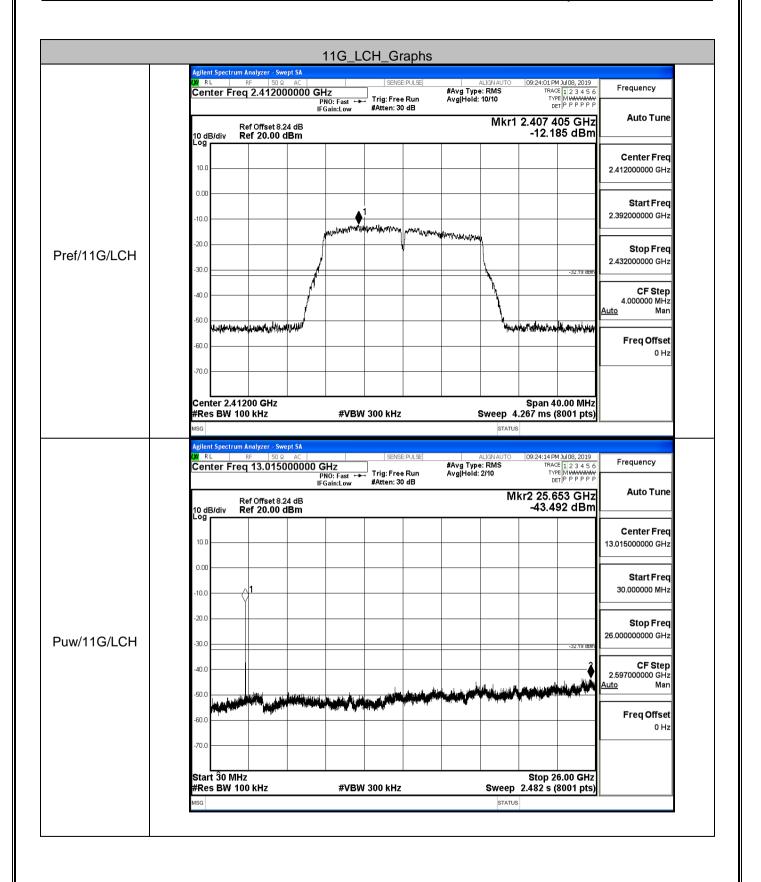
# **C.5 RF Conducted Spurious Emissions**

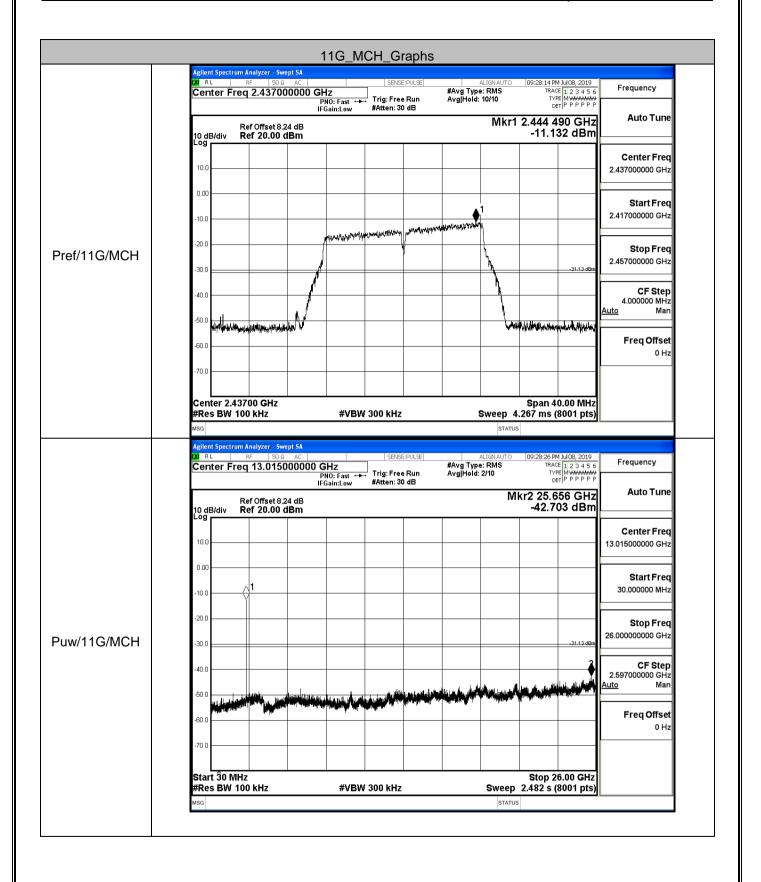
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdic t
	LCH	-8.389	-43.105	-28.389	PASS
11B	MCH	-7.098	-43.631	-27.098	PASS
	HCH	-7.239	-43.745	-27.239	PASS
	LCH	-12.185	-43.492	-32.185	PASS
11G	MCH	-11.132	-42.703	-31.132	PASS
	HCH	-12.195	-43.888	-32.195	PASS
	LCH	-12.609	-43.860	-32.609	PASS
11N20	MCH	-10.255	-42.794	-30.255	PASS
SISO	НСН	-12.4	-43.575	-32.400	PASS
	LCH	-16.17	-42.857	-36.170	PASS
11N40	MCH	-13.615	-43.204	-33.615	PASS
SISO	НСН	-14.177	-43.988	-34.177	PASS

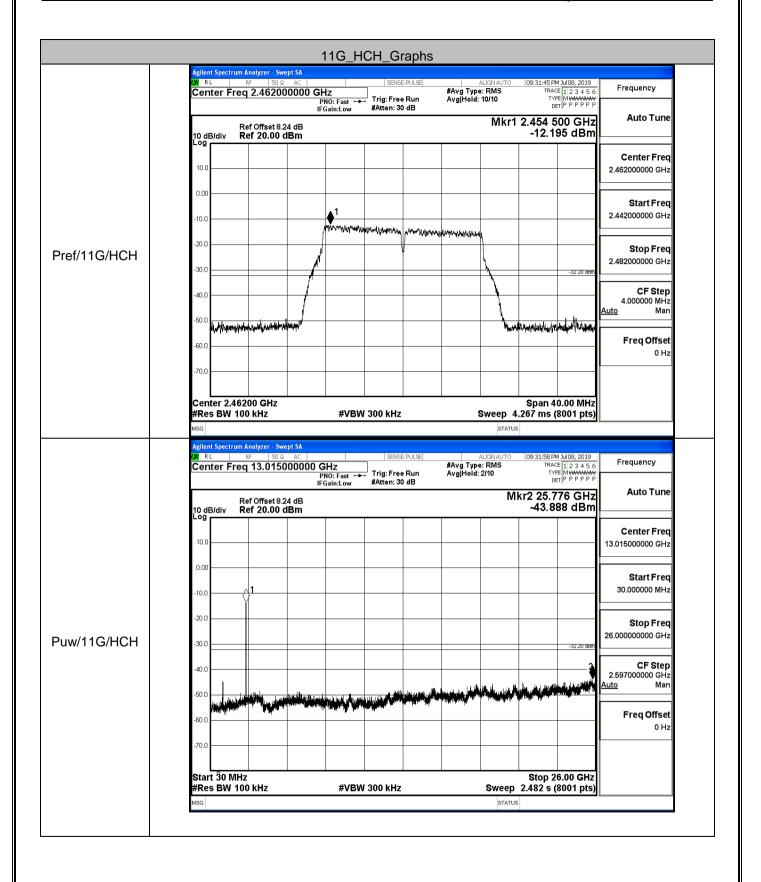


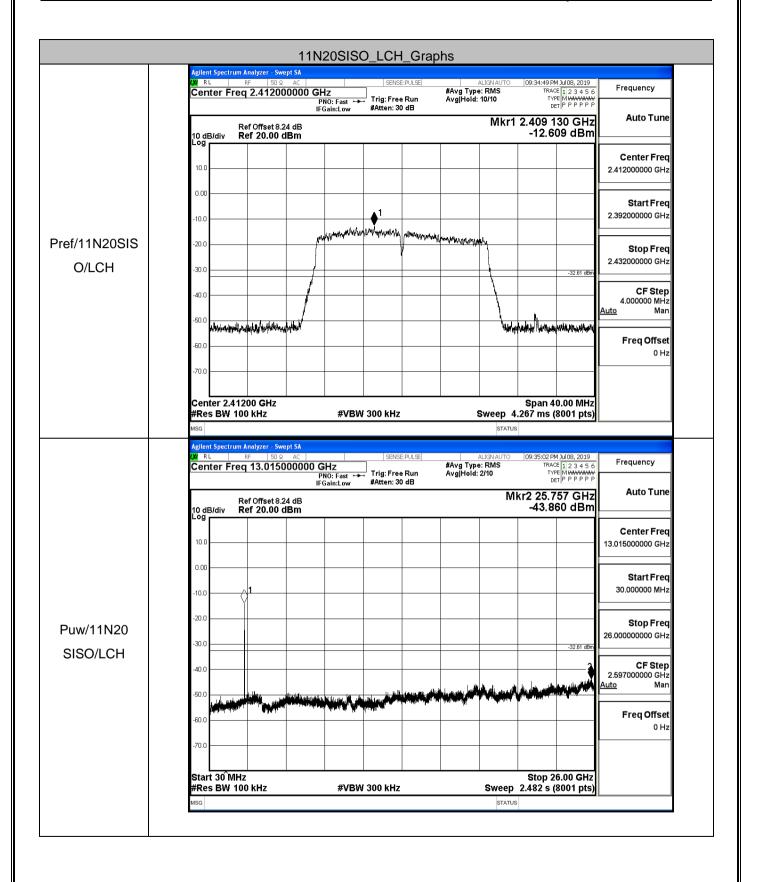


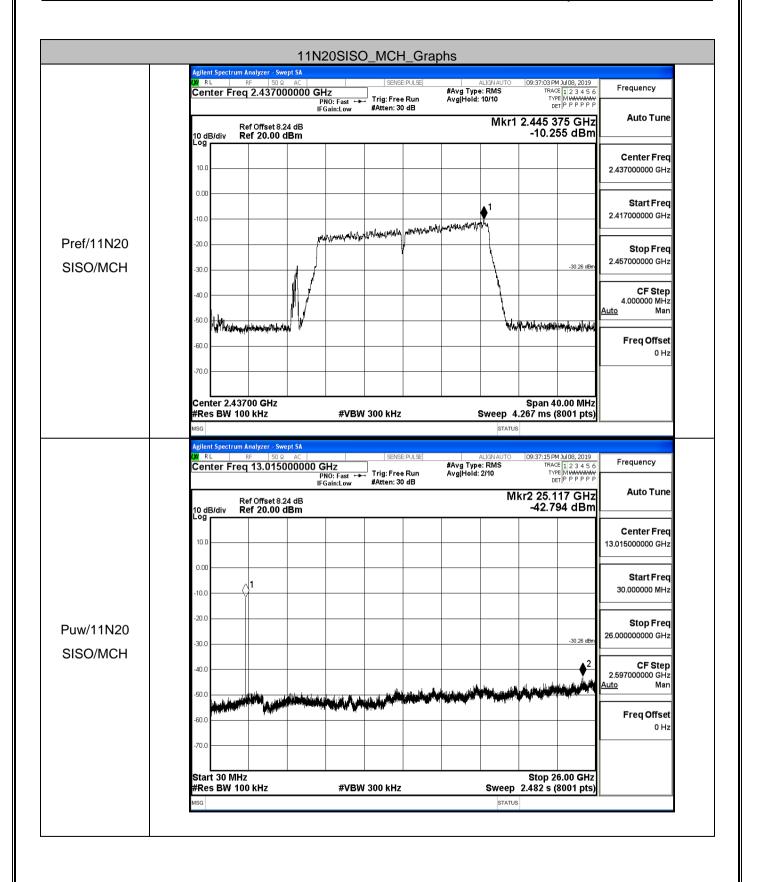


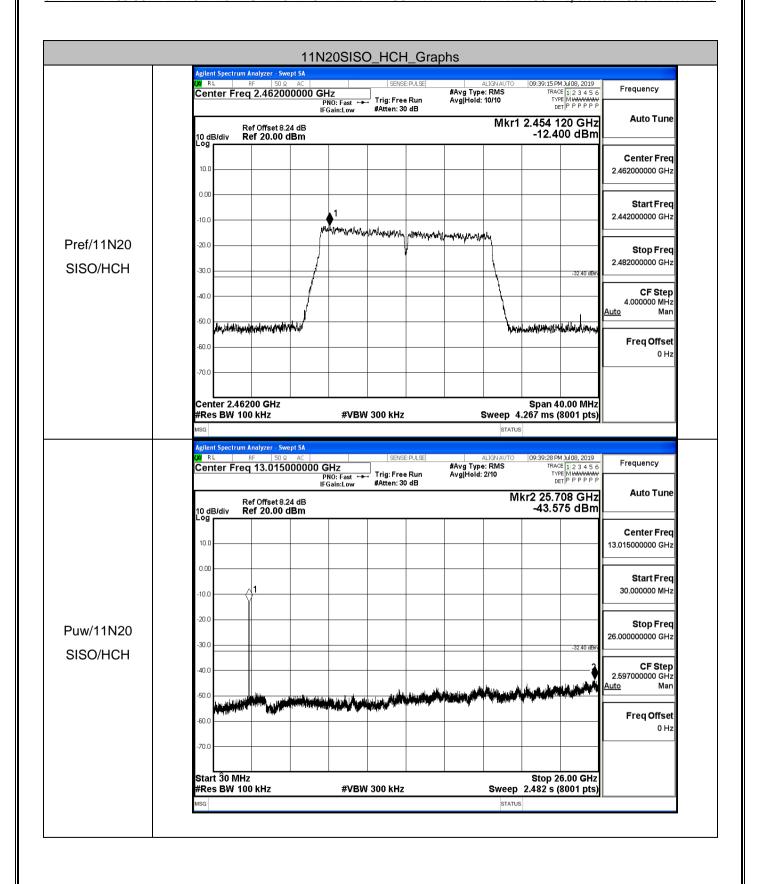


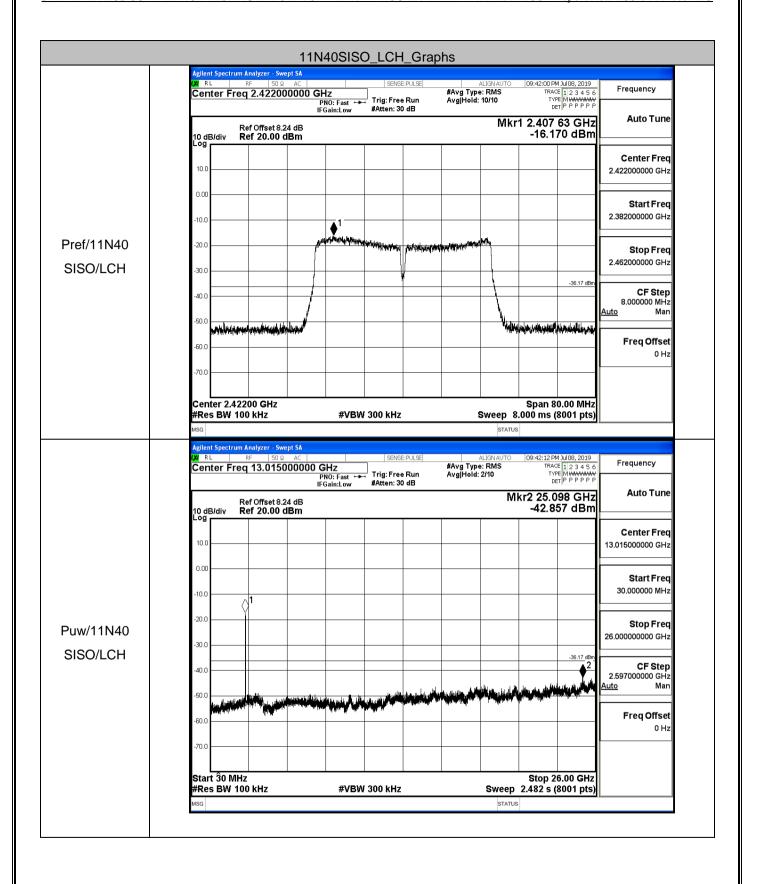


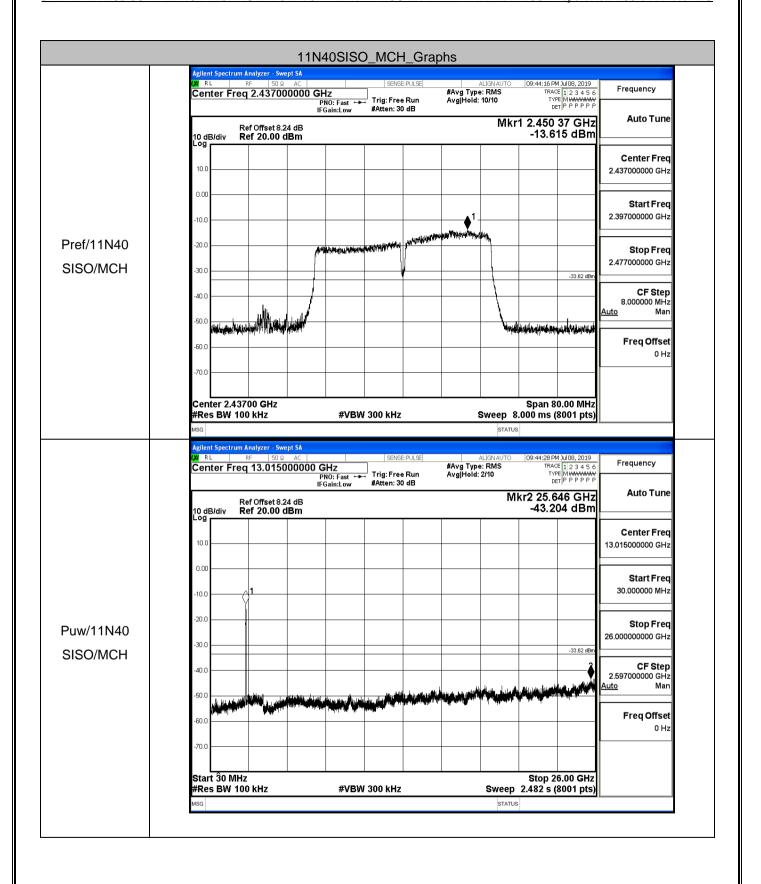


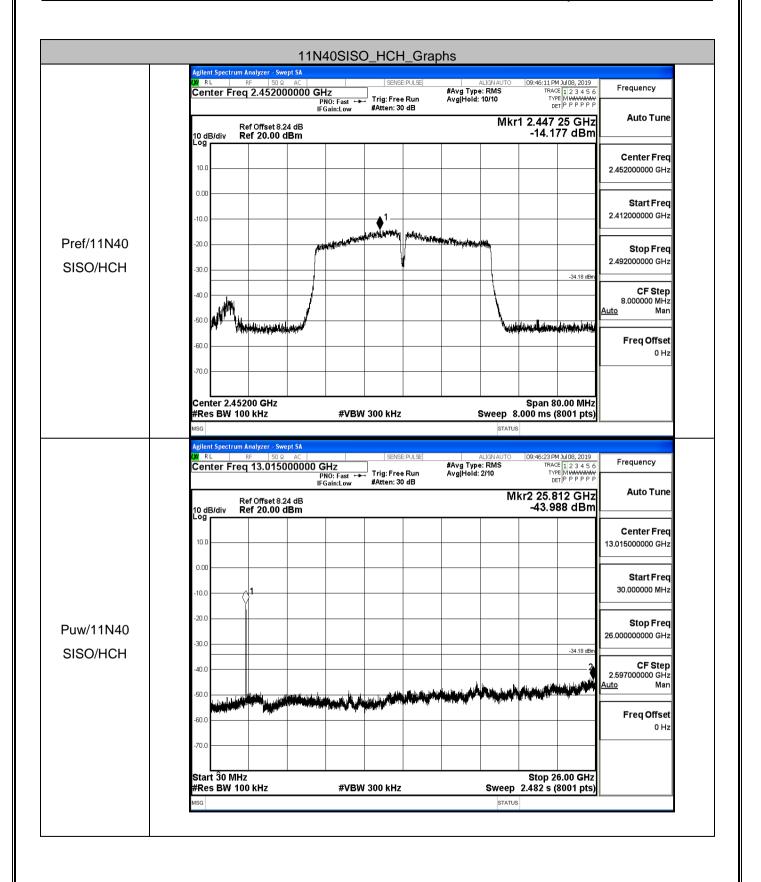






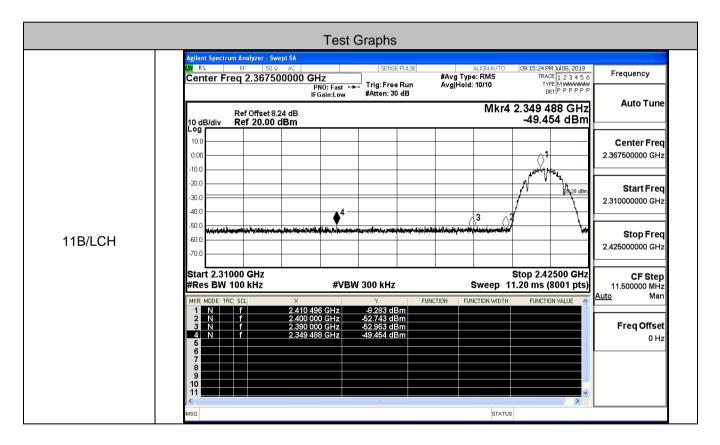






# C.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level	Limit [dBm]	Verdict
445	LCH	-8.283	-49.454	-28.28	PASS
11B	HCH	-7.171	-49.351	-27.17	PASS
	LCH	-12.230	-50.138	-32.23	PASS
11G	HCH	-12.207	-49.231	-32.21	PASS
11N20SISO	LCH	-12.655	-50.138	-32.66	PASS
	HCH	-12.404	-49.824	-32.4	PASS
11N40SISO	LCH	-16.150	-49.194	-36.15	PASS
	HCH	-14.114	-50.005	-34.11	PASS

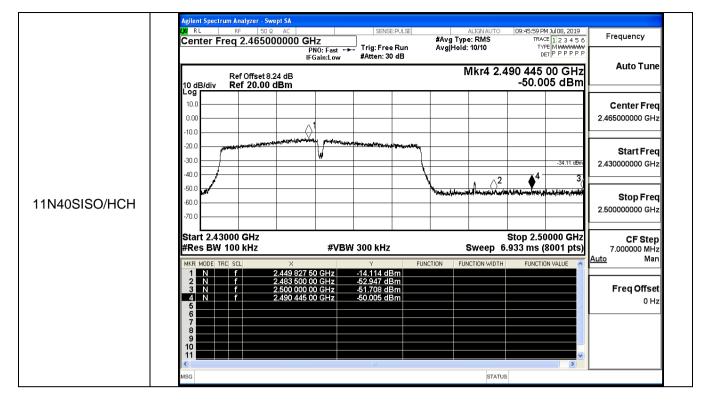


#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AIKX--FWIN232PLUS Report No.: LCS190621059AEC Frequency #Avg Type: RMS Avg|Hold: 10/10 Center Freq 2.475000000 GHz Trig: Free Run PNO: Fast ↔ IFGain:Low #Atten: 30 dB Auto Tune Mkr4 2.493 050 00 GHz -49.351 dBm Ref Offset 8.24 dB Ref 20.00 dBm 10.0 Center Freq 2.475000000 GHz 10 f 20.0 Start Freq -27.17 dB 30.0 2.450000000 GHz -50.0 Stop Freq 11B/HCH -en r 2.500000000 GHz Start 2.45000 GHz #Res BW 100 kHz Stop 2.50000 GHz **CF Step** 5.000000 MHz **#VBW** 300 kHz Sweep 4.800 ms (8001 pts) <u>Auto</u> Man FUNCTION Freq Offset Agilent Spectrum Analyzer - Swept SA Frequency #Avg Type: RMS Avg|Hold: 10/10 Center Freq 2.367500000 GHz PNO: Fast +++ IFGain:Low Trig: Free Run #Atten: 30 dB Auto Tune Mkr4 2.348 554 GHz Ref Offset 8.24 dB Ref 20.00 dBm -50.138 dBm 10.0 Center Freq 2.367500000 GHz 10.0 -20.0 Start Freq 30.0 2.310000000 GHz Stop Freq 11G/LCH -60.0 2.425000000 GHz Start 2.31000 GHz Stop 2.42500 GHz CF Step #Res BW 100 kHz #VBW 300 kHz Sweep 11.20 ms (8001 pts) 11.500000 MHz Man Freq Offset 0 Hz STATUS

#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AIKX--FWIN232PLUS Report No.: LCS190621059AEC Frequency #Avg Type: RMS Avg|Hold: 10/10 Center Freq 2.475000000 GHz Trig: Free Run PNO: Fast ↔ IFGain:Low #Atten: 30 dB Auto Tune Mkr4 2.487 187 50 GHz Ref Offset 8.24 dB Ref 20.00 dBm -49.231 dBm 10.0 Center Freq 2.475000000 GHz 10 f 20.0 Start Freq 30.0 2.450000000 GHz -50.0 Stop Freq 11G/HCH -en r 2.500000000 GHz Start 2.45000 GHz #Res BW 100 kHz Stop 2.50000 GHz **CF Step** 5.000000 MHz **#VBW** 300 kHz Sweep 4.800 ms (8001 pts) <u>Auto</u> Man FUNCTION Freq Offset Agilent Spectrum Analyzer - Swept SA Frequency #Avg Type: RMS Avg|Hold: 10/10 Center Freq 2.367500000 GHz PNO: Fast +++ IFGain:Low Trig: Free Run #Atten: 30 dB Mkr4 2.323 053 GHz -50.138 dBm Auto Tune Ref Offset 8.24 dB Ref 20.00 dBm 10.0 Center Freq 2.367500000 GHz $\triangle^{1}$ -10.0 -20.0 Start Freq 30.0 2.310000000 GHz Stop Freq 11N20SISO/LCH -60.0 2.425000000 GHz Start 2.31000 GHz Stop 2.42500 GHz CF Step #VBW 300 kHz #Res BW 100 kHz Sweep 11.20 ms (8001 pts) 11.500000 MHz Man Freq Offset 0 Hz STATUS

#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AIKX--FWIN232PLUS Report No.: LCS190621059AEC Frequency #Avg Type: RMS Avg|Hold: 10/10 Center Freq 2.475000000 GHz Trig: Free Run PNO: Fast ↔ IFGain:Low #Atten: 30 dB Mkr4 2.485 275 00 GHz -49.824 dBm Auto Tune Ref Offset 8.24 dB Ref 20.00 dBm 10.0 Center Freq 2.475000000 GHz 10 f white makes being markey 20.0 Start Freq 30.0 32.40 dt 2.450000000 GHz -50.0 Stop Freq 11N20SISO/HCH -en r 2.500000000 GHz Start 2.45000 GHz #Res BW 100 kHz Stop 2.50000 GHz **CF Step** 5.000000 MHz **#VBW** 300 kHz Sweep 4.800 ms (8001 pts) <u>Auto</u> Man FUNCTION Freq Offset Agilent Spectrum Analyzer - Swept SA Frequency #Avg Type: RMS Avg|Hold: 10/10 Center Freq 2.377500000 GHz PNO: Fast +++ IFGain:Low Trig: Free Run #Atten: 30 dB Mkr4 2.387 760 GHz -49.194 dBm Auto Tune Ref Offset 8.24 dB Ref 20.00 dBm 10.0 Center Freq 2.377500000 GHz -10.0 -20.0 Start Freq 30.0 2.310000000 GHz -36.15 Stop Freq 11N40SISO/LCH -60.0 2.445000000 GHz Start 2.31000 GHz Stop 2.44500 GHz CF Step #VBW 300 kHz #Res BW 100 kHz Sweep 13.33 ms (8001 pts) 13.500000 MHz Man Freq Offset 0 Hz STATUS

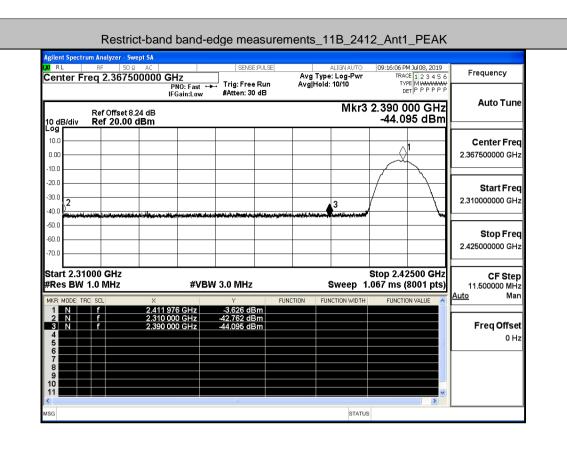
# SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AIKX--FWIN232PLUS Report No.: LCS190621059AEC

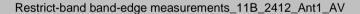


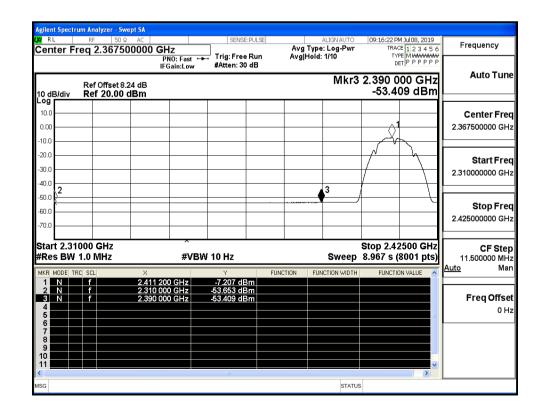
# C.7 Restrict-band band-edge measurements

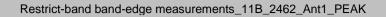
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBu V/m]	Verdict
	2412	Ant1	2310.0	-42.76	2.0	0	52.50	PEAK	74	PASS
	2412	Ant1	2310.0	-53.65	2.0	0	41.60	AV	54	PASS
	2412	Ant1	2390.0	-44.10	2.0	0	51.16	PEAK	74	PASS
	2412	Ant1	2390.0	-53.41	2.0	0	41.85	AV	54	PASS
11B	2462	Ant1	2483.5	-41.80	2.0	0	53.46	PEAK	74	PASS
	2462	Ant1	2483.5	-53.21	2.0	0	42.04	AV	54	PASS
	2462	Ant1	2500.0	-42.02	2.0	0	53.24	PEAK	74	PASS
	2462	Ant1	2500.0	-53.06	2.0	0	42.20	AV	54	PASS
	2412	Ant1	2310.0	-43.60	2.0	0	51.66	PEAK	74	PASS
	2412	Ant1	2310.0	-53.66	2.0	0	41.60	AV	54	PASS
	2412	Ant1	2390.0	-42.60	2.0	0	52.66	PEAK	74	PASS
	2412	Ant1	2390.0	-53.35	2.0	0	41.91	AV	54	PASS
11G	2462	Ant1	2483.5	-42.63	2.0	0	52.62	PEAK	74	PASS
	2462	Ant1	2483.5	-52.97	2.0	0	42.29	AV	54	PASS
	2462	Ant1	2500.0	-43.00	2.0	0	52.26	PEAK	74	PASS
	2462	Ant1	2500.0	-53.01	2.0	0	42.25	AV	54	PASS
	2412	Ant1	2310.0	-42.92	2.0	0	52.34	PEAK	74	PASS
	2412	Ant1	2310.0	-53.68	2.0	0	41.57	AV	54	PASS
	2412	Ant1	2390.0	-43.09	2.0	0	52.16	PEAK	74	PASS
11N20	2412	Ant1	2390.0	-53.36	2.0	0	41.90	AV	54	PASS
SISO	2462	Ant1	2483.5	-42.99	2.0	0	52.27	PEAK	74	PASS
	2462	Ant1	2483.5	-52.98	2.0	0	42.28	AV	54	PASS
	2462	Ant1	2500.0	-42.96	2.0	0	52.30	PEAK	74	PASS
	2462	Ant1	2500.0	-53.01	2.0	0	42.25	AV	54	PASS
11N40	2422	Ant1	2310.0	-43.02	2.0	0	52.24	PEAK	74	PASS
SISO	2422	Ant1	2310.0	-53.65	2.0	0	41.61	AV	54	PASS

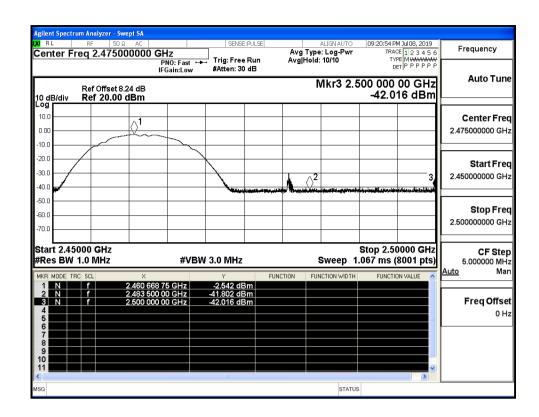
<u>SHENZHEN</u>	HENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AIKXFWIN232PLUS						Report No.: LCS190621059AEC			
	2422	Ant1	2390.0	-43.14	2.0	0	52.12	PEAK	74	PASS
	2422	Ant1	2390.0	-53.41	2.0	0	41.85	AV	54	PASS
	2452	Ant1	2483.5	-42.43	2.0	0	52.83	PEAK	74	PASS
	2452	Ant1	2483.5	-53.00	2.0	0	42.26	AV	54	PASS
	2452	Ant1	2500.0	-41.75	2.0	0	53.51	PEAK	74	PASS
	2452	Ant1	2500.0	-53.02	2.0	0	42.24	AV	54	PASS



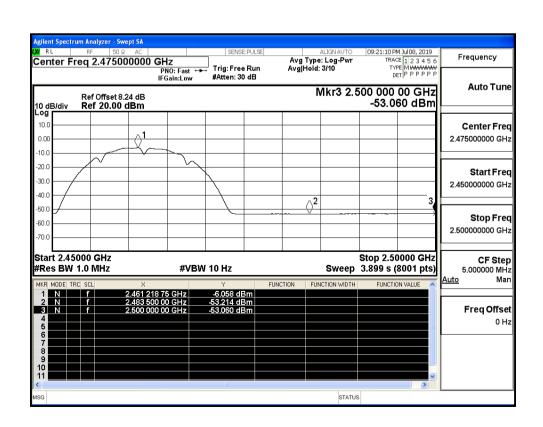


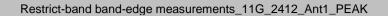


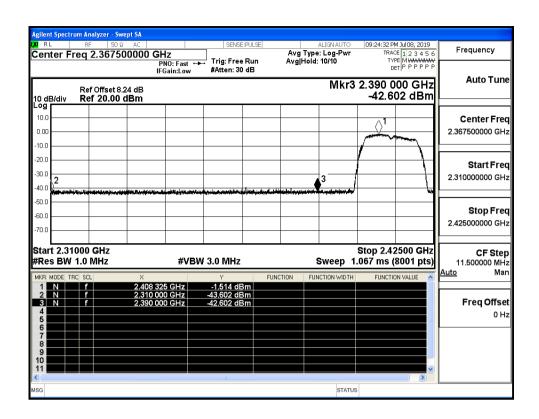




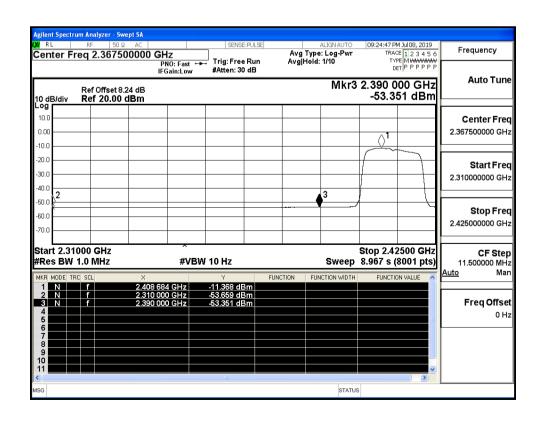
## Restrict-band band-edge measurements\_11B\_2462\_Ant1\_AV

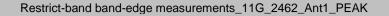


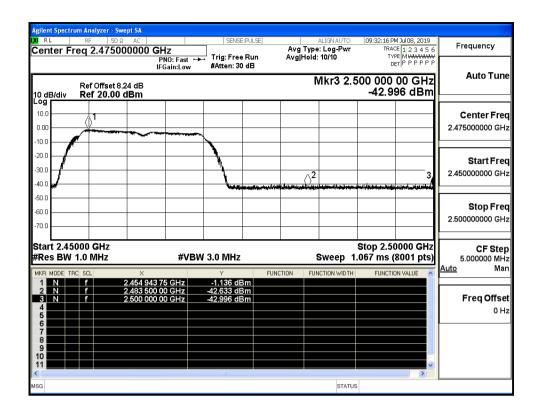




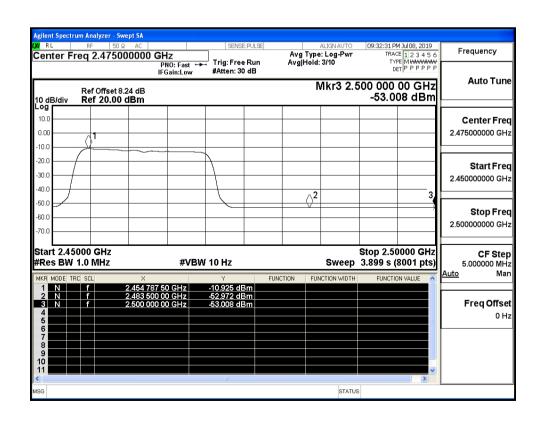
# Restrict-band band-edge measurements\_11G\_2412\_Ant1\_AV

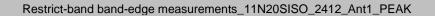


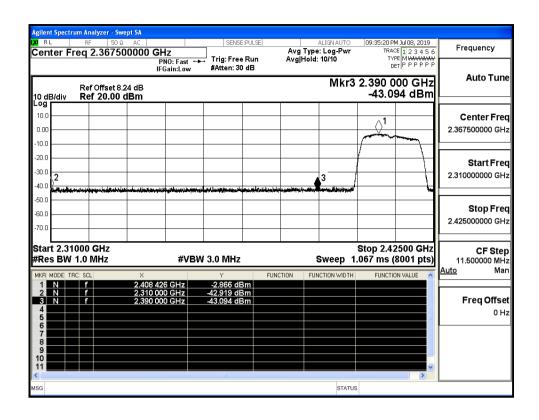




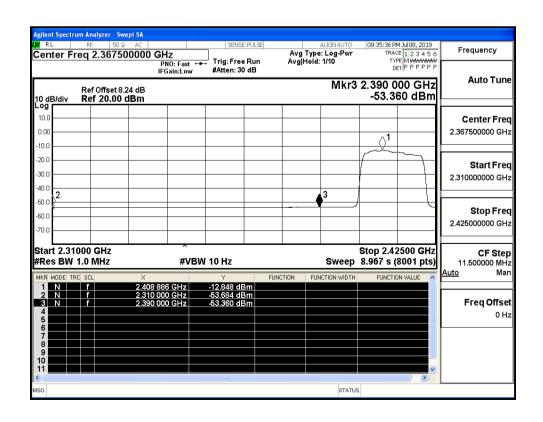
# Restrict-band band-edge measurements\_11G\_2462\_Ant1\_AV

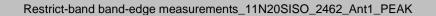


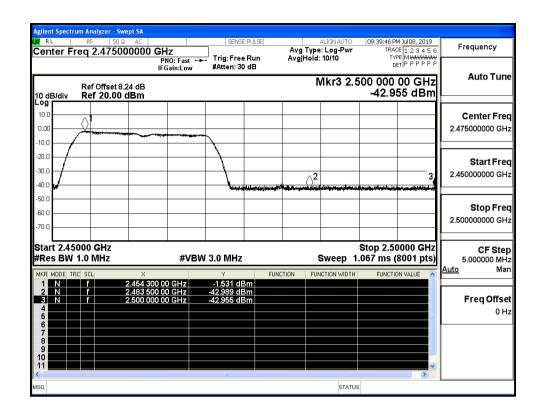




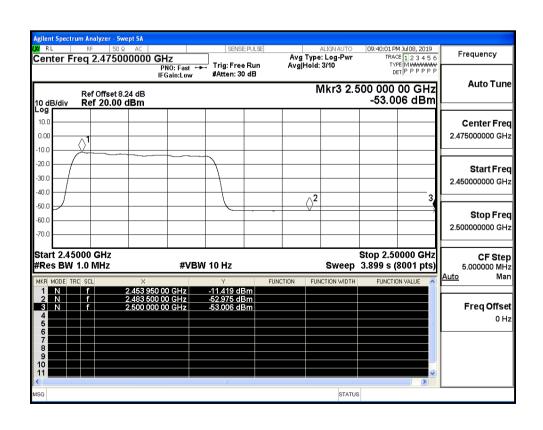
## Restrict-band band-edge measurements\_11N20SISO\_2412\_Ant1\_AV



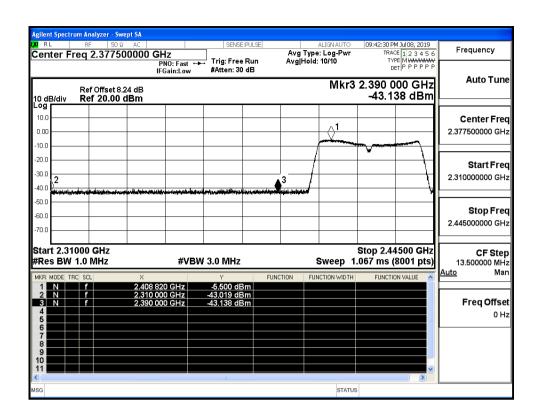




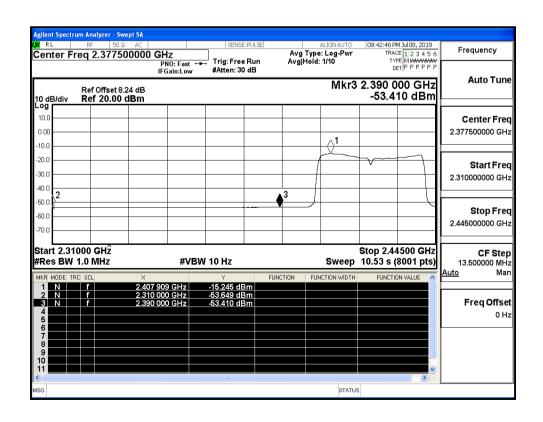
## Restrict-band band-edge measurements\_11N20SISO\_2462\_Ant1\_AV

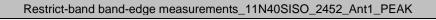


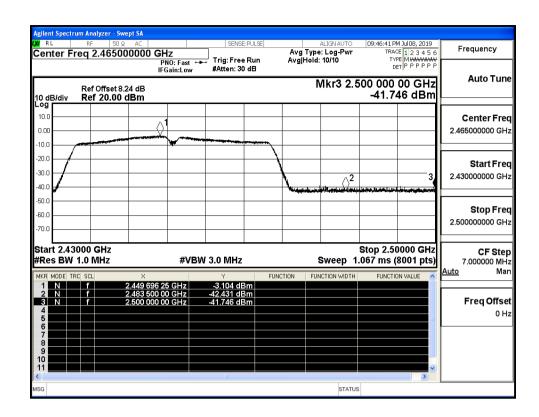




## Restrict-band band-edge measurements\_11N40SISO\_2422\_Ant1\_AV







## Restrict-band band-edge measurements\_11N40SISO\_2452\_Ant1\_AV

