# **Appendix C**

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

Product Name: Huohuotu wifi digital player early educational machine

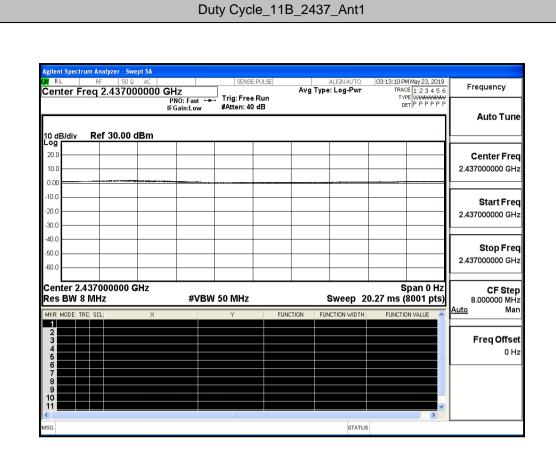
Trade Mark: alilo **Test Model: G6S** 

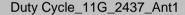
### **Environmental Conditions**

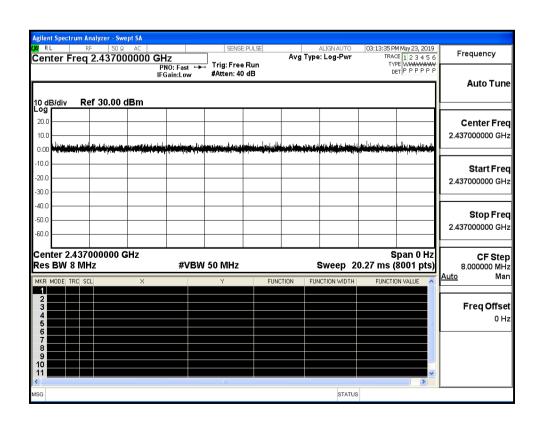
	Temperature:	25 ° C						
	Relative Humidity:	50%						
	ATM Pressure:	100.0 kPa						
Test Engineer:		Scent Hu						
Supervised by:		Tom.Liu						

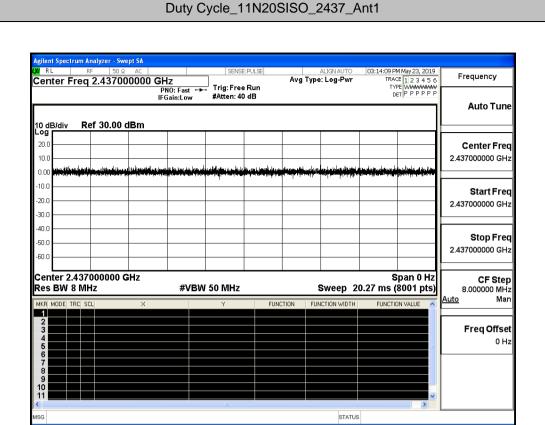
# **C.1 Duty Cycle**

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

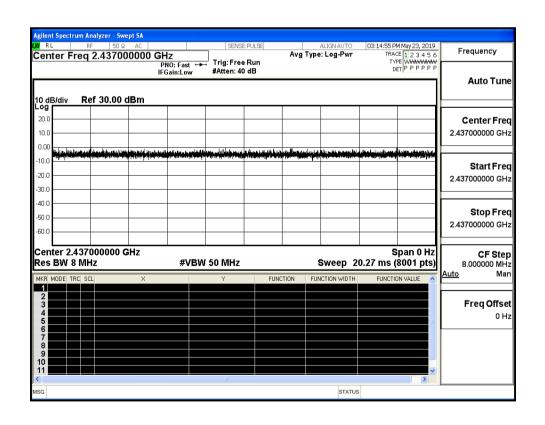








### Duty Cycle\_11N40SISO\_2437\_Ant1

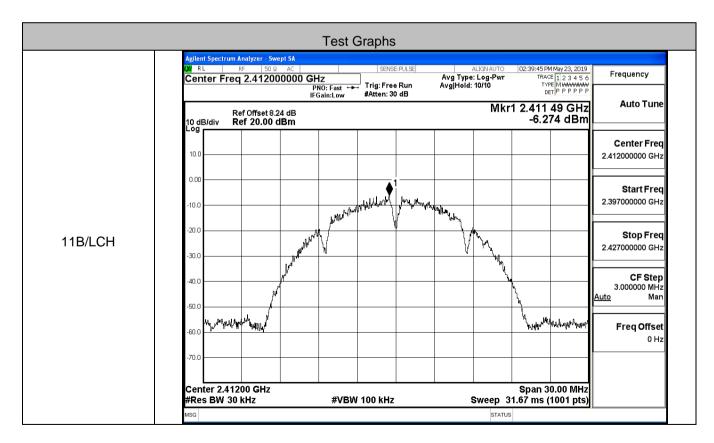


# **C.2 Maximum Conducted Output Power**

Mode	Channel	Meas.Level [dBm]	Average [dBm]	Limit [dBm]	Verdict
	LCH	8.66	4.62	30	PASS
11B	MCH	8.74	4.61	30	PASS
	НСН	8.57	4.12	30	PASS
	LCH	13.74	8.71	30	PASS
11G	MCH	13.66	8.69	30	PASS
	НСН	13.37	8.47	30	PASS
	LCH	11.82	7.35	30	PASS
11N20SISO	MCH	12.5	7.66	30	PASS
	НСН	10.85	6.89	30	PASS
	LCH	11.23	6.33	30	PASS
11N40SISO	MCH	8.97	4.12	30	PASS
	HCH	9.06	5.33	30	PASS

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

Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
	LCH	-6.274	8	PASS
11B	MCH	-6.052	8	PASS
	HCH	-6.085	8	PASS
	LCH	-10.038	8	PASS
11G	MCH	-9.772	8	PASS
	HCH	-9.895	8	PASS
	LCH	-11.706	8	PASS
11N20SISO	MCH	-10.381	8	PASS
	HCH	-12.781	8	PASS
	LCH	-15.189	8	PASS
11N40SISO	MCH	-16.404	8	PASS
	HCH	-18.280	8	PASS



#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AE4F-G6S Report No.: LCS190429021AEC 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 2.437 51 GHz Ref Offset 8.24 dB Ref 20.00 dBm -6.052 dBm 10 dB/div Log Center Freq 10.0 2.437000000 GHz 0.00 Start Freq harman all walnut 2.422000000 GHz -10.0 Stop Freq 11B/MCH 2.452000000 GHz -3n r **CF Step** 3.000000 MHz 40.0 <u>Auto</u> Man -50.1 marijani talikaranji kapulina kar Freq Offset Span 30.00 MHz Sweep 31.67 ms (1001 pts) Center 2.43700 GHz #Res BW 30 kHz #VBW 100 kHz 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 2.462 48 GHz Ref Offset 8.24 dB Ref 20.00 dBm -6.085 dBm 10 dB/div Log Center Freq 10.0 2.462000000 GHz Joseph Mary Mary 0.00 Start Freq Indient harper the hards all the 2.447000000 GHz -10.0 -20.0 Stop Freq 11B/HCH 2.477000000 GHz -30.0 **CF Step** 3.000000 MHz 40.0 <u>Auto</u> Man Woodland War-and Waldyn Freq Offset 0 Hz Center 2.46200 GHz Span 30.00 MHz Sweep 31.67 ms (1001 pts) #Res BW 30 kHz **#VBW** 100 kHz

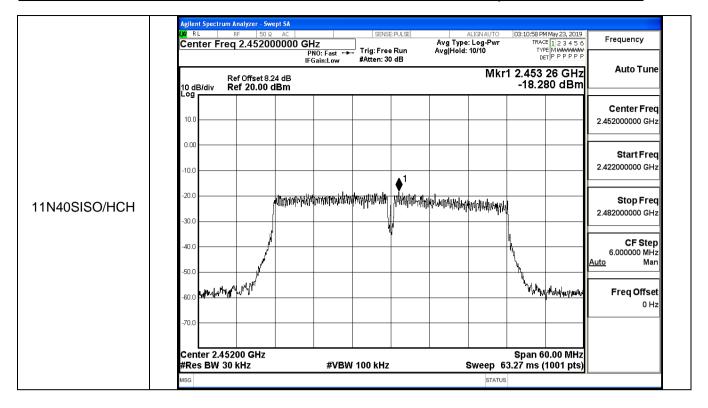
#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AE4F-G6S Report No.: LCS190429021AEC Frequency Avg Type: Log-Pwr Avg|Hold: 10/10 Center Freq 2.412000000 GHz Trig: Free Run PNO: Fast +++ IFGain:Low #Atten: 30 dB Auto Tune Mkr1 2.410 74 GHz Ref Offset 8.24 dB Ref 20.00 dBm -10.038 dBm 10 dB/div Log Center Freq 10.0 2.412000000 GHz 0.00 Start Freq phonographic property phonographic property 2.397000000 GHz 10.0 Stop Freq 11G/LCH 2.427000000 GHz 30.0 **CF Step** 3.000000 MHz 40.0 <u>Auto</u> Man -50.1 May Append <sup>₩₩</sup>₩₩ Freq Offset Span 30.00 MHz Sweep 31.67 ms (1001 pts) Center 2.41200 GHz #Res BW 30 kHz **#VBW 100 kHz** 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 2.437 63 GHz Ref Offset 8.24 dB Ref 20.00 dBm -9.772 dBm 10 dB/div Log Center Freq 10.0 2.437000000 GHz 0.00 Anny Market Market Market Jan Market Start Freq 2.422000000 GHz 10.0 Stop Freq 11G/MCH 2.452000000 GHz 30.0 **CF Step** 3.000000 MHz 40.0 <u>Auto</u> Man Vode Land Contraction of the Con <sup>Դ</sup>**Լ**ո<sup>ս</sup>Մեսիհա Freq Offset Center 2.43700 GHz Span 30.00 MHz #Res BW 30 kHz Sweep 31.67 ms (1001 pts) **#VBW** 100 kHz

#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AE4F-G6S Report No.: LCS190429021AEC 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 2.463 86 GHz Ref Offset 8.24 dB Ref 20.00 dBm -9.895 dBm 10 dB/div Log Center Freq 10.0 2.462000000 GHz 0.00 Atanganganawaya palamaganga paradana bahana Start Freq 2.447000000 GHz 10.0 Stop Freq 11G/HCH 2.477000000 GHz 30.0 **CF Step** 3.000000 MHz 40.0 Auto Man -50.1 الهالهبها الإدراء Freq Offset Center 2.46200 GHz Span 30.00 MHz Sweep 31.67 ms (1001 pts) #Res BW 30 kHz **#VBW 100 kHz** Agilent Spectrum Analyzer - Swept SA Frequency Avg Type: Log-Pwr Avg|Hold: 10/10 Center Freq 2.412000000 GHz PNO: Fast +++ IFGain:Low Trig: Free Run #Atten: 30 dB Auto Tune Mkr1 2.411 73 GHz Ref Offset 8.24 dB Ref 20.00 dBm -11.706 dBm 10 dB/div Log Center Freq 10.0 2.412000000 GHz 0.00 Start Freq 2.397000000 GHz where the property between the property of the -10.0 -20.0 Stop Freq 11N20SISO/LCH 2.427000000 GHz 30.0 **CF Step** 3.000000 MHz 40.0 <u>Auto</u> Man Jed housely Freq Offset Center 2.41200 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: 2AE4F-G6S Report No.: LCS190429021AEC 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 2.436 37 GHz Ref Offset 8.24 dB Ref 20.00 dBm -10.381 dBm 10 dB/div Log Center Freq 10.0 2.437000000 GHz 0.00 Start Freq multiproperation of physical p 2.422000000 GHz 10.0 20.0 Stop Freq 11N20SISO/MCH 2.452000000 GHz 30.0 **CF Step** 3.000000 MHz 40.0 Auto Man -50.1 ╙┪┸╢╻╃┶╫╻<sub>┡┷╏</sub>┖╸ Freq Offset Center 2.43700 GHz Span 30.00 MHz Sweep 31.67 ms (1001 pts) #Res BW 30 kHz **#VBW 100 kHz** 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 2.461 37 GHz Ref Offset 8.24 dB Ref 20.00 dBm -12.781 dBm 10 dB/div Log Center Freq 10.0 2.462000000 GHz 0.00 Start Freq 2.447000000 GHz 10.0 20.0 Stop Freq 11N20SISO/HCH 2.477000000 GHz 30.0 **CF Step** 3.000000 MHz 40.0 <u>Auto</u> Man MARKHIN PARANTA JATAN $\sqrt{\sqrt{1/4}}$ Freq Offset Center 2.46200 GHz Span 30.00 MHz Sweep 31.67 ms (1001 pts) #Res BW 30 kHz **#VBW** 100 kHz

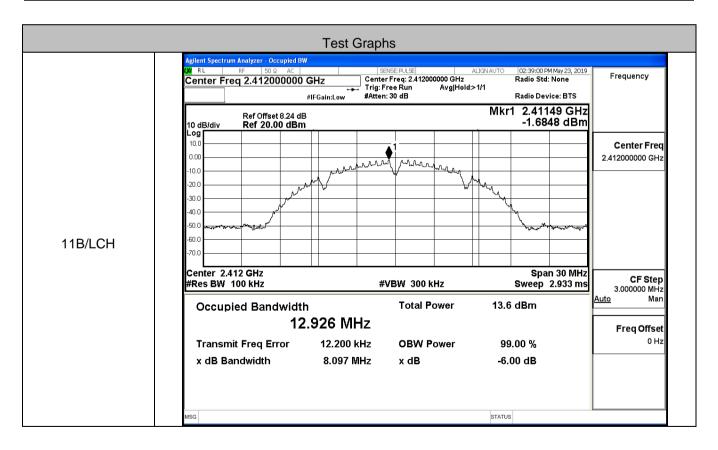
#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AE4F-G6S Report No.: LCS190429021AEC Frequency Avg Type: Log-Pwr Avg|Hold: 10/10 Center Freq 2.422000000 GHz Trig: Free Run PNO: Fast +++ IFGain:Low #Atten: 30 dB Auto Tune Mkr1 2.428 24 GHz Ref Offset 8.24 dB Ref 20.00 dBm -15.189 dBm 10 dB/div Center Freq 10.0 2.422000000 GHz 0.00 Start Freq 2.392000000 GHz 10.0 Alexander of the second Stop Freq 11N40SISO/LCH 2.452000000 GHz 30.0 **CF Step** 6.000000 MHz 40.0 Auto Man -50.0 mentipedality of the probability 1 May representative Freq Offset Span 60.00 MHz Sweep 63.27 ms (1001 pts) Center 2.42200 GHz #Res BW 30 kHz **#VBW 100 kHz** 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 2.434 48 GHz Ref Offset 8.24 dB Ref 20.00 dBm -16.404 dBm 10 dB/div Log Center Freq 10.0 2.437000000 GHz 0.00 Start Freq 2.407000000 GHz 10.0 motortellinia meteorita de la compania de la compa 20.0 Stop Freq 11N40SISO/MCH 2.467000000 GHz 30.0 **CF Step** 6.000000 MHz 40.0 <u>Auto</u> Man handhada an marthada n. White he have the second second Freq Offset Center 2.43700 GHz Span 60.00 MHz Sweep 63.27 ms (1001 pts) #Res BW 30 kHz **#VBW** 100 kHz

### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AE4F-G6S Report No.: LCS190429021AEC



### C.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
	LCH	8.097	≥0.5	PASS
11B	MCH	8.077	≥0.5	PASS
	HCH	8.093	≥0.5	PASS
	LCH	16.52	≥0.5	PASS
11G	MCH	16.10	≥0.5	PASS
	HCH	16.41	≥0.5	PASS
	LCH	17.76	≥0.5	PASS
11N20SISO	MCH	17.24	≥0.5	PASS
	HCH	17.67	≥0.5	PASS
	LCH	35.09	≥0.5	PASS
11N40SISO	MCH	32.14	≥0.5	PASS
	HCH	36.46	≥0.5	PASS



#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AE4F-G6S Report No.: LCS190429021AEC 02:46:14 PM May 23, 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 2.43652 GHz -1.7922 dBm Ref Offset 8.24 dB Ref 20.00 dBm 10.0 Center Freq n no 2.437000000 GHz ᡯᠰᠰᠰ 10.0 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** 13.6 dBm Occupied Bandwidth 12.501 MHz Freq Offset Transmit Freq Error -137.83 kHz **OBW Power** 99.00 % -6.00 dB x dB Bandwidth 8.077 MHz x dB STATUS gilent Spectrum Analyzer - Occupied BW 02:48:03 PM May 23, 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 2.46248 GHz -1.9437 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 13.5 dBm **Total Power** Occupied Bandwidth 12.796 MHz Freq Offset 52.014 kHz **OBW Power** 99.00 % **Transmit Freq Error** 8.093 MHz -6.00 dB x dB Bandwidth x dB STATUS

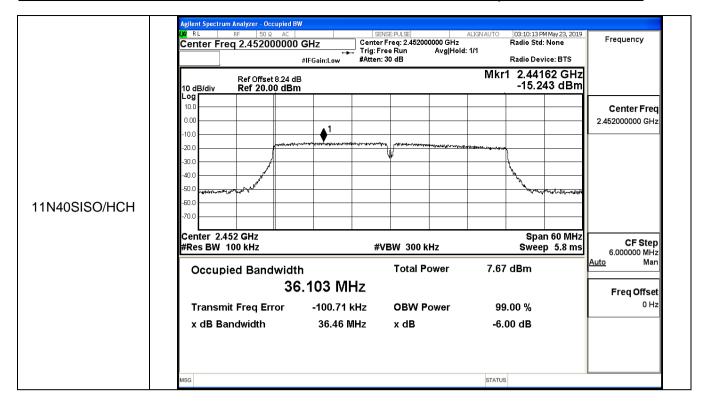
#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AE4F-G6S Report No.: LCS190429021AEC 02:50:38 PM May 23, 2019 Radio Std: None Center Freq: 2.412000000 GHz Trig: Free Run Avg|Hold: 1/1 #Atten: 30 dB Frequency Center Freq 2.412000000 GHz #IFGain:Low Radio Device: BTS 2.41476 GHz -7.6924 dBm Mkr1 Ref Offset 8.24 dB Ref 20.00 dBm 10.0 Center Freq n no 2.412000000 GHz 10.0 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** 12.4 dBm Occupied Bandwidth 16.461 MHz Freq Offset Transmit Freq Error 1.733 kHz **OBW Power** 99.00 % -6.00 dB x dB Bandwidth 16.52 MHz x dB STATUS gilent Spectrum Analyzer - Occupied BW 02:53:05 PM May 23, 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 2.43601 GHz -7.1004 dBm Ref Offset 8.24 dB Ref 20.00 dBm 10 dB/div Center Freq n no 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** 12.3 dBm Occupied Bandwidth 16.324 MHz Freq Offset -45.740 kHz **OBW Power** 99.00 % **Transmit Freq Error** 16.10 MHz -6.00 dB x dB Bandwidth x dB STATUS

#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AE4F-G6S Report No.: LCS190429021AEC 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 2.46098 GHz -7.6635 dBm Mkr1 Ref Offset 8.24 dB Ref 20.00 dBm 10.0 Center Freq n no 2.462000000 GHz 10.0 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** 12.0 dBm Occupied Bandwidth 16.422 MHz Freq Offset Transmit Freq Error 9.075 kHz **OBW Power** 99.00 % -6.00 dB x dB Bandwidth 16.41 MHz x dB STATUS gilent Spectrum Analyzer - Occupied BW 03:16:05 PM May 23, 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 2.41101 GHz -9.7966 dBm Mkr1 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 **Total Power** 10.5 dBm Occupied Bandwidth 17.645 MHz Freq Offset 2.475 kHz **OBW Power** 99.00 % **Transmit Freq Error** 17.76 MHz -6.00 dB x dB Bandwidth x dB STATUS

#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AE4F-G6S Report No.: LCS190429021AEC 03:18:34 PM May 23, 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 2.43511 GHz -8.5829 dBm Mkr1 Ref Offset 8.24 dB Ref 20.00 dBm Center Freq n no 2.437000000 GHz 10.0 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 Man **Total Power** 11.2 dBm Occupied Bandwidth 17.507 MHz Freq Offset Transmit Freq Error -47.746 kHz **OBW Power** 99.00 % -6.00 dB x dB Bandwidth 17.24 MHz x dB STATUS |03:20:17 PM May 23, 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 2.4635 GHz -10.794 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 **Total Power** 9.51 dBm Occupied Bandwidth 17.586 MHz Freq Offset 9.336 kHz **OBW Power** 99.00 % **Transmit Freq Error** 17.67 MHz -6.00 dB x dB Bandwidth x dB STATUS

#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AE4F-G6S Report No.: LCS190429021AEC |03:22:47 PM May 23, 2019 Radio Std: None 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 2.4274 GHz -12.220 dBm Ref Offset 8.24 dB Ref 20.00 dBm 10.0 Center Freq n no 2.422000000 GHz 10.0 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** 9.92 dBm Occupied Bandwidth 35.865 MHz Freq Offset 47.932 kHz **OBW Power** 99.00 % **Transmit Freq Error** -6.00 dB x dB Bandwidth 35.09 MHz x dB STATUS gilent Spectrum Analyzer - Occupied BW |03:25:28 PM May 23, 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 2.43412 GHz -14.190 dBm Ref Offset 8.24 dB Ref 20.00 dBm 10 dB/div Center Freq n no 2.437000000 GHz 10.0 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 Man 7.78 dBm **Total Power** Occupied Bandwidth 35.658 MHz Freq Offset -80.361 kHz **OBW Power** 99.00 % **Transmit Freq Error** 32.14 MHz -6.00 dB x dB Bandwidth x dB STATUS

### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AE4F-G6S Report No.: LCS190429021AEC

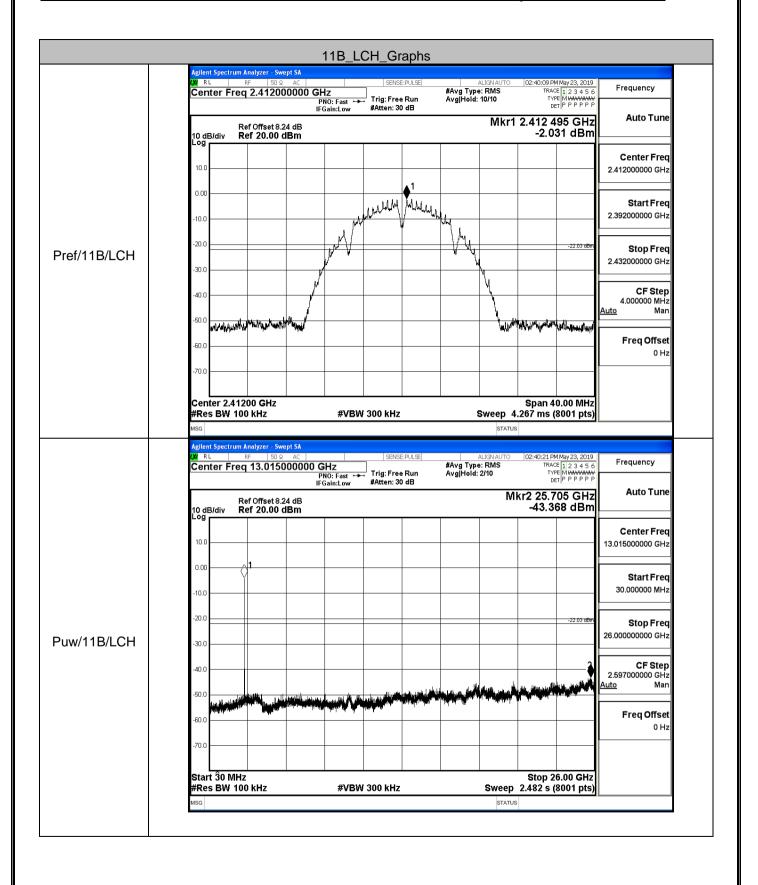


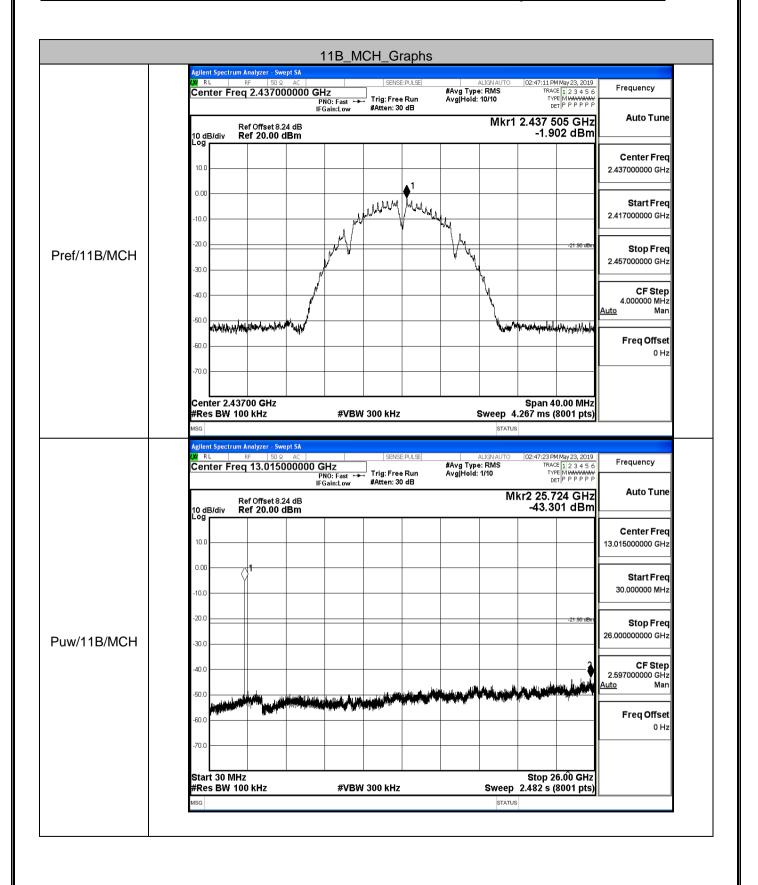
# **C.5 RF Conducted Spurious Emissions**

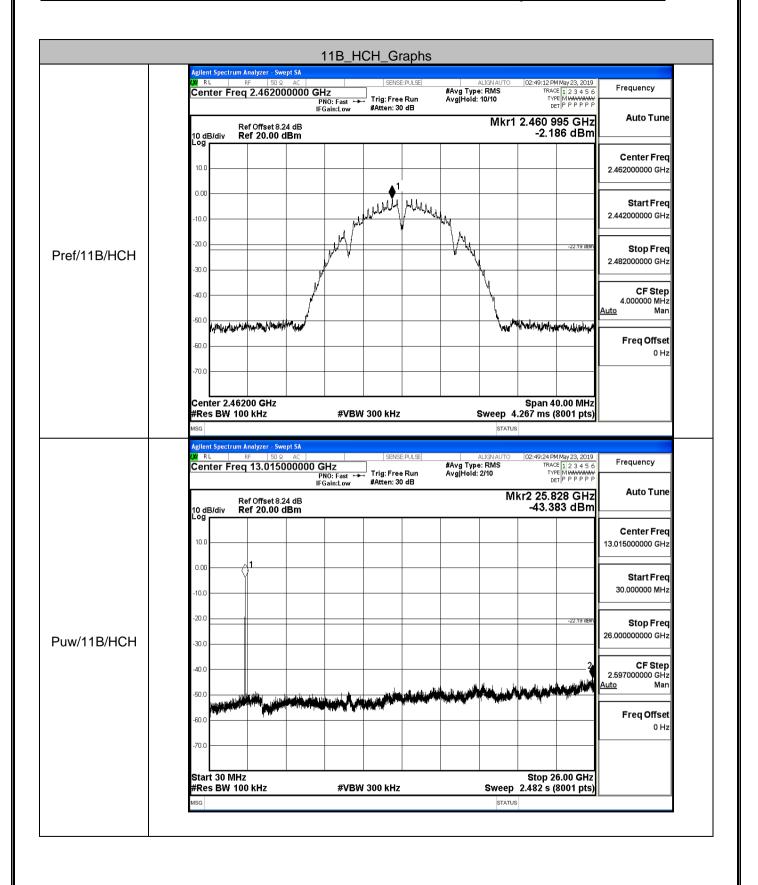
	Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdic
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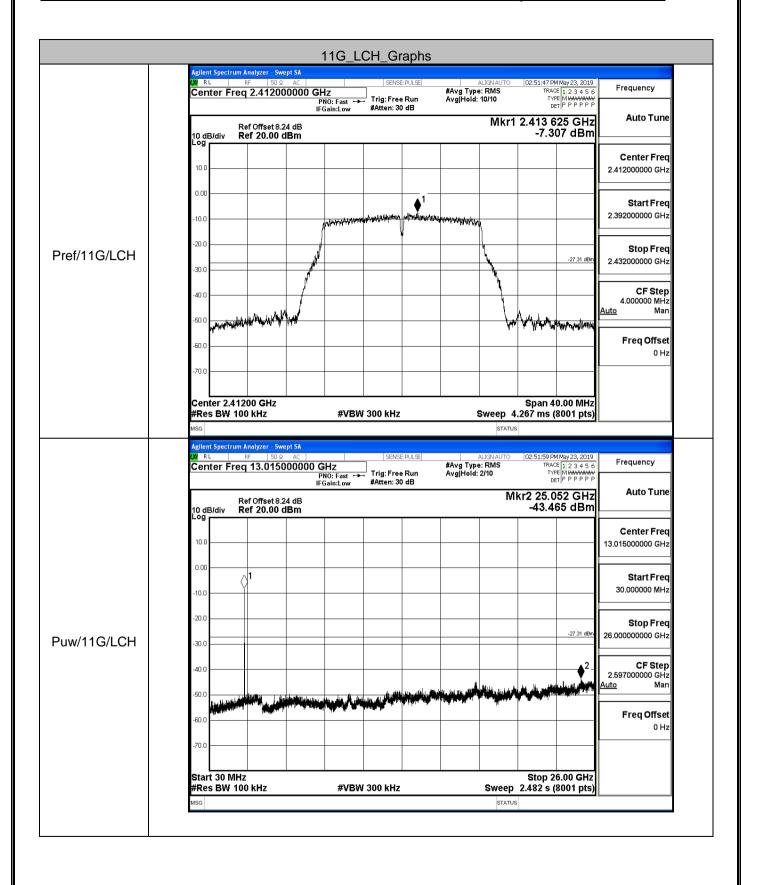
### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AE4F-G6S Report No.: LCS190429021AEC

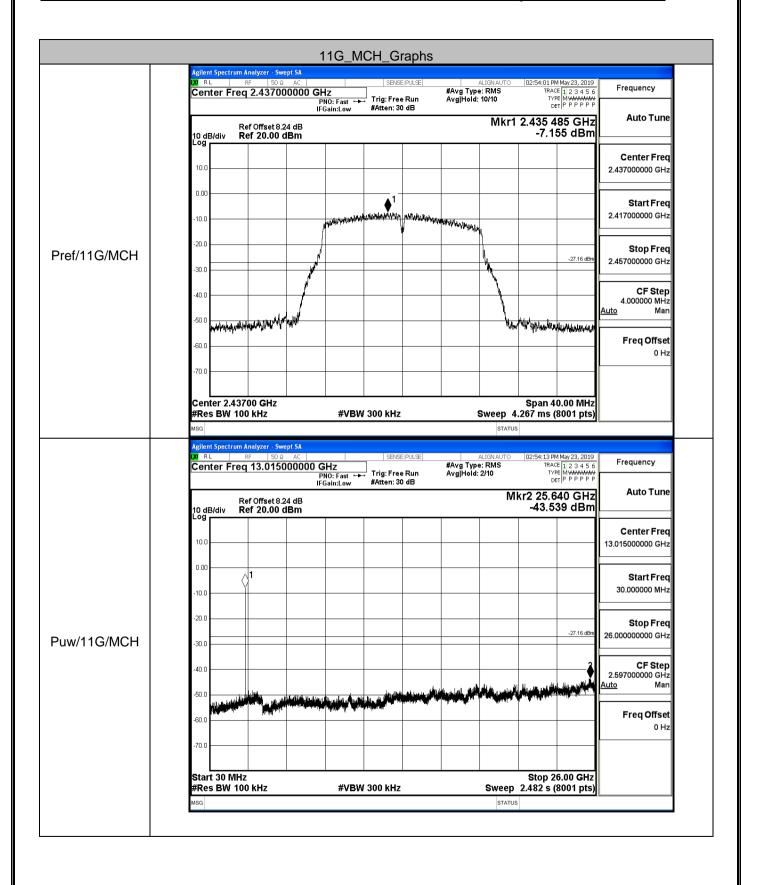
					t
	LCH	-2.031	-43.368	-22.031	PASS
11B	MCH	-1.902	-43.301	-21.902	PASS
	HCH	-2.186	-43.383	-22.186	PASS
	LCH	-7.307	-43.465	-27.307	PASS
11G	MCH	-7.155	-43.539	-27.155	PASS
	HCH	-7.884	-42.474	-27.884	PASS
441100	LCH	-9.657	-43.778	-29.657	PASS
11N20	MCH	-8.687	-44.262	-28.687	PASS
SISO	HCH	-10.735	-44.438	-30.735	PASS
	LCH	-12.715	-43.646	-32.715	PASS
11N40	MCH	-14.045	-43.044	-34.045	PASS
SISO	HCH	-15.354	-43.388	-35.354	PASS

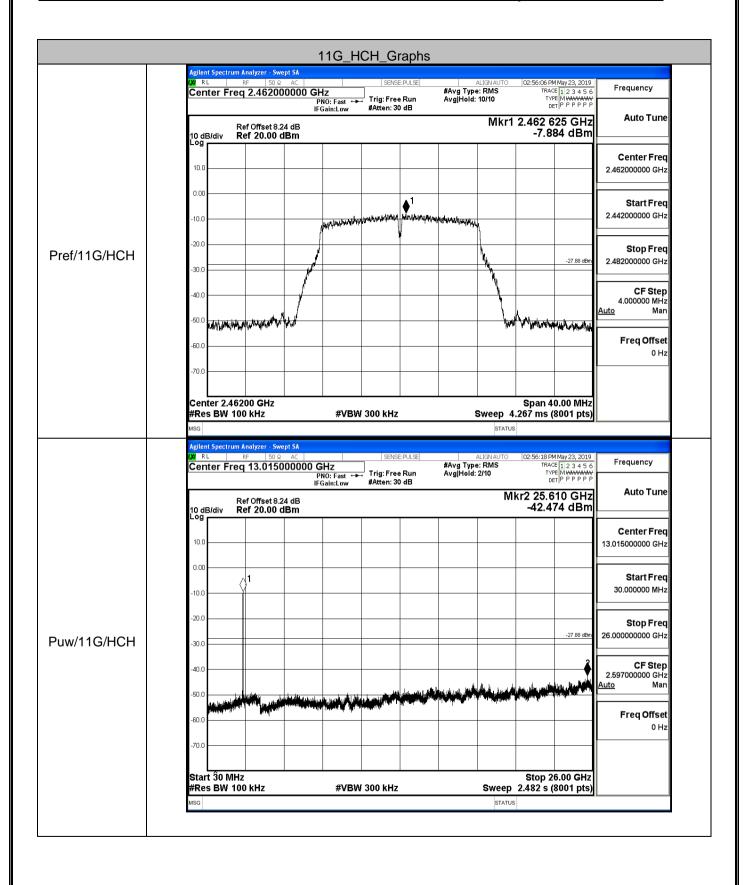


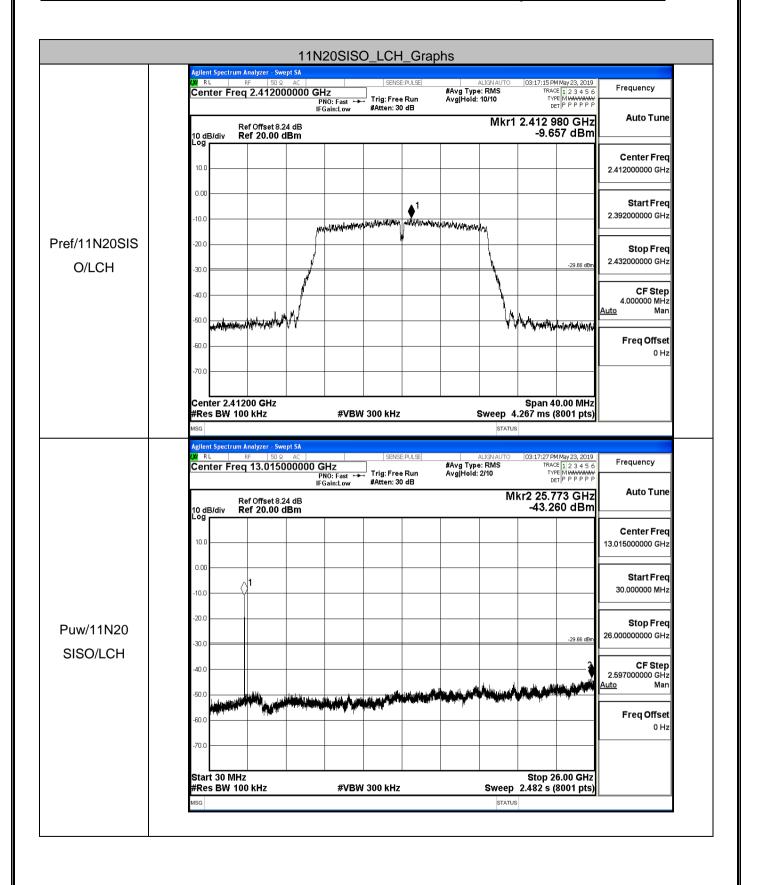


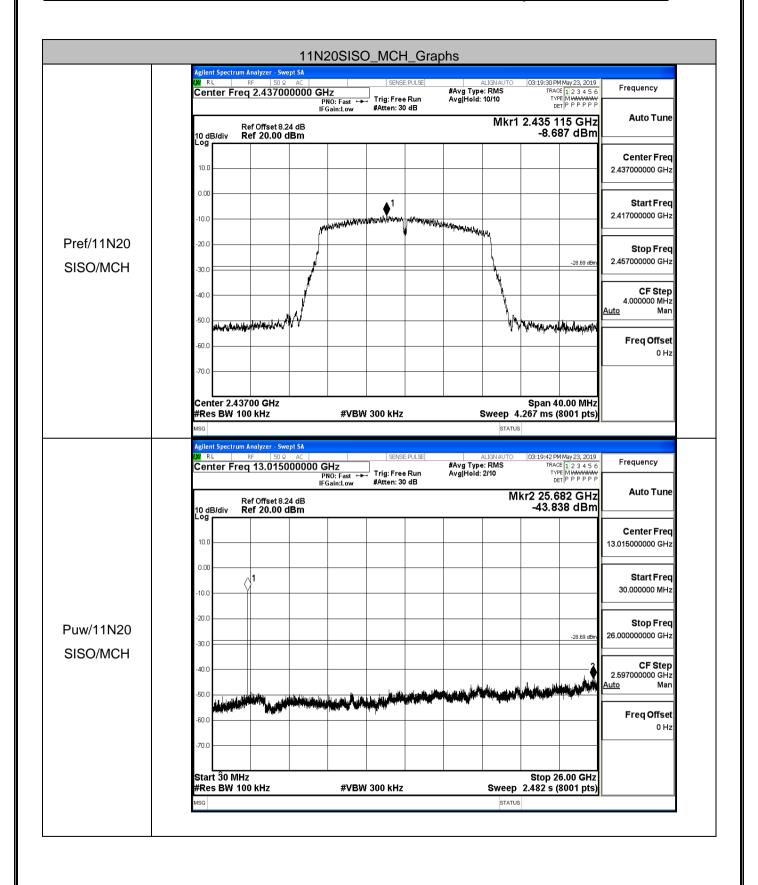


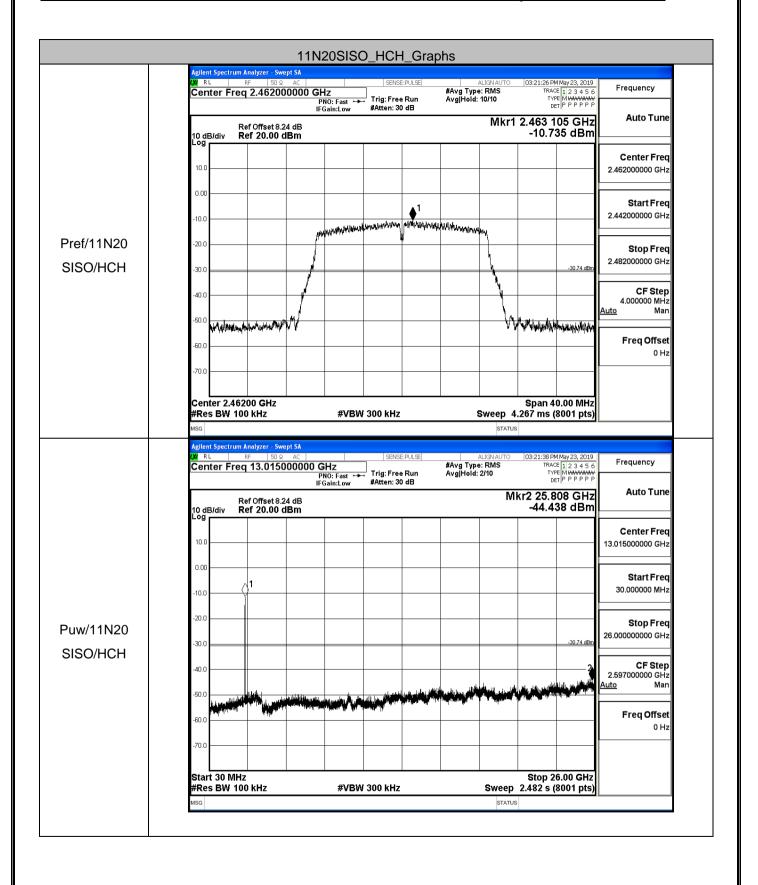


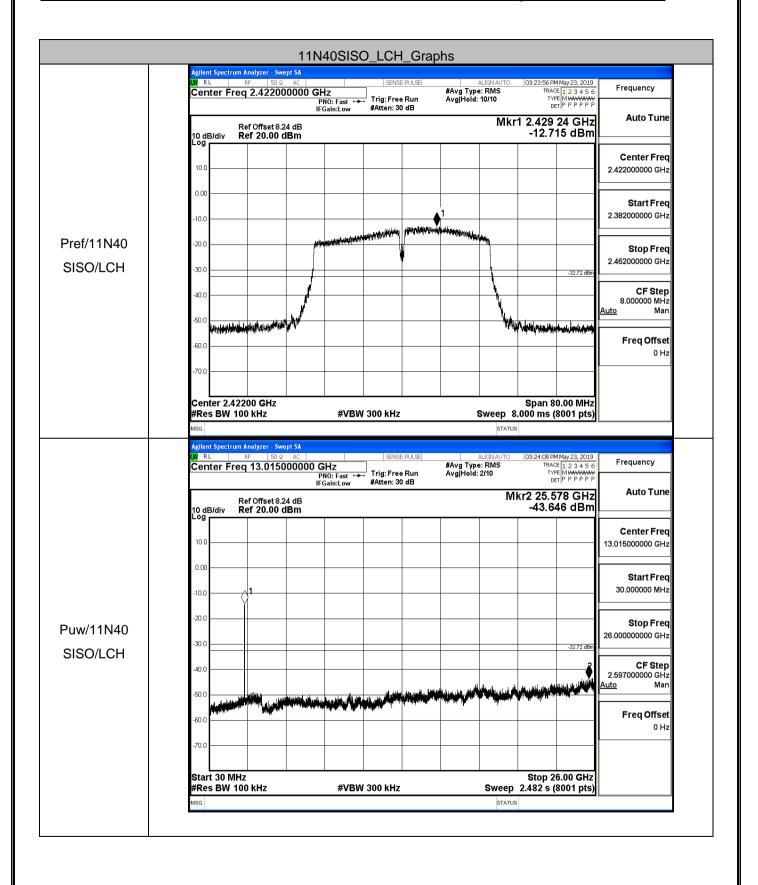


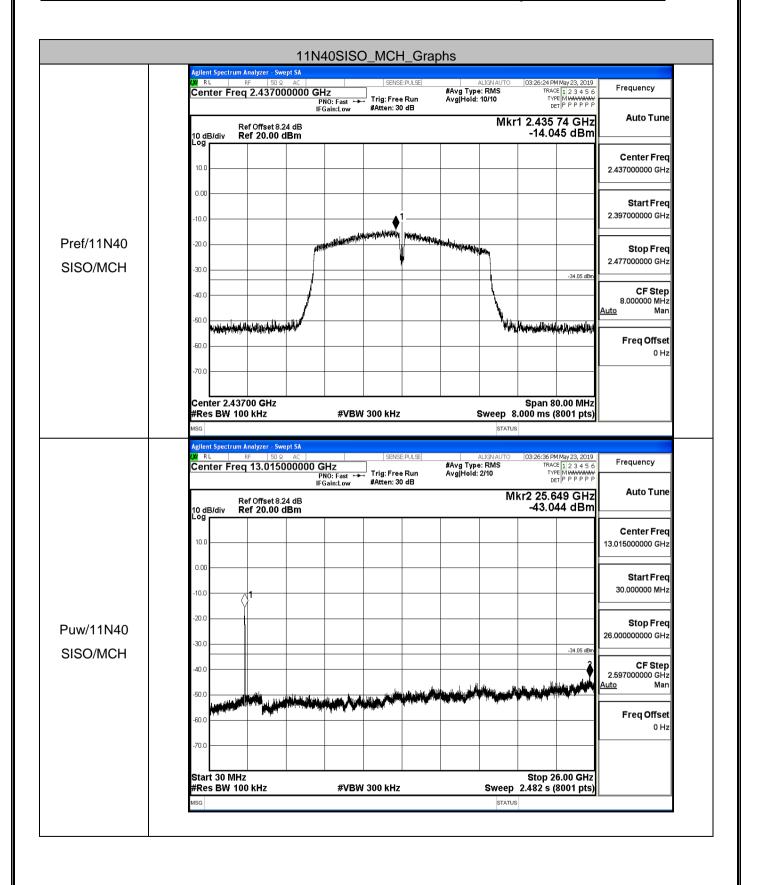


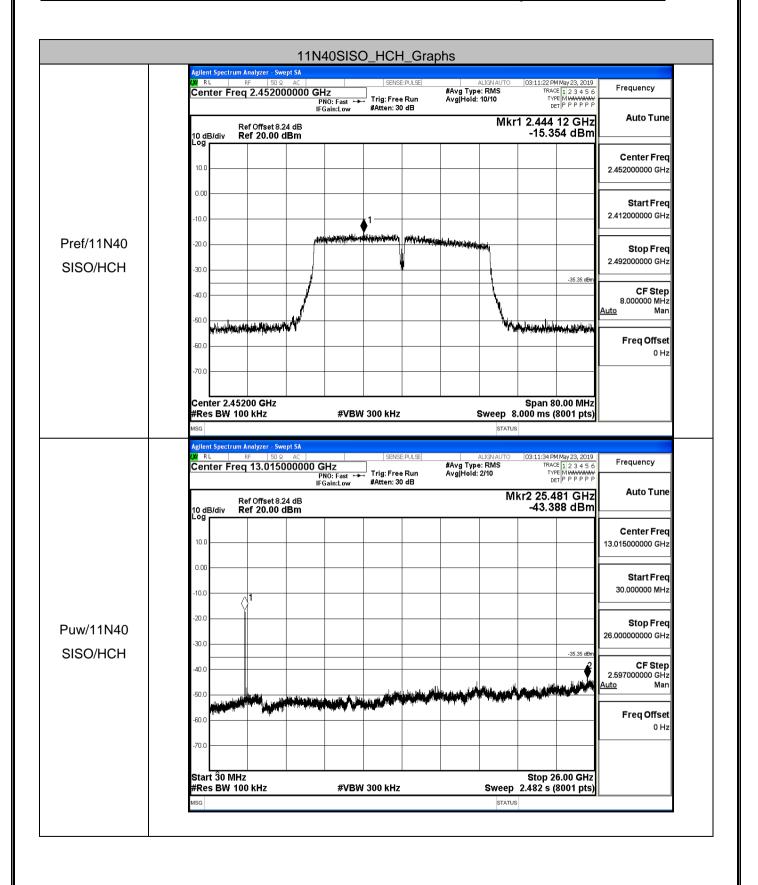






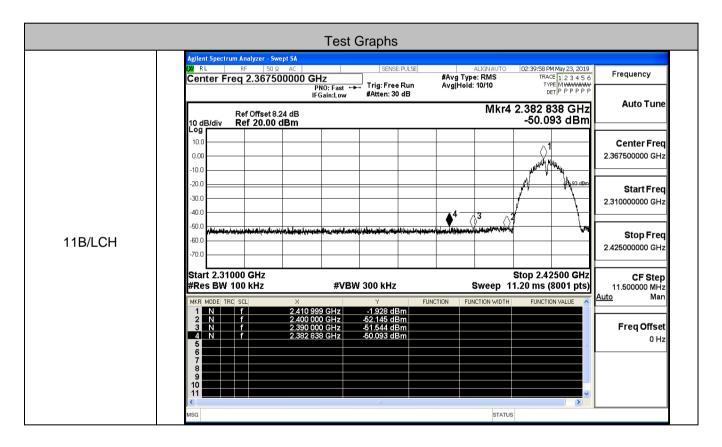






# C.6 Band-edge for RF Conducted Emissions

Mode Channel		Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
	LCH	-1.928	-50.093	-21.93	PASS
11B	HCH	-2.334	-49.849	-22.33	PASS
	LCH	-7.813	-49.486	-27.81	PASS
11G	HCH	-7.733	-49.519	-27.73	PASS
4411000100	LCH	-9.809	-49.092	-29.81	PASS
11N20SISO	HCH	-10.347	-50.161	-30.35	PASS
	LCH	-12.466	-49.898	-32.47	PASS
11N40SISO	HCH	-15.885	-49.633	-35.89	PASS



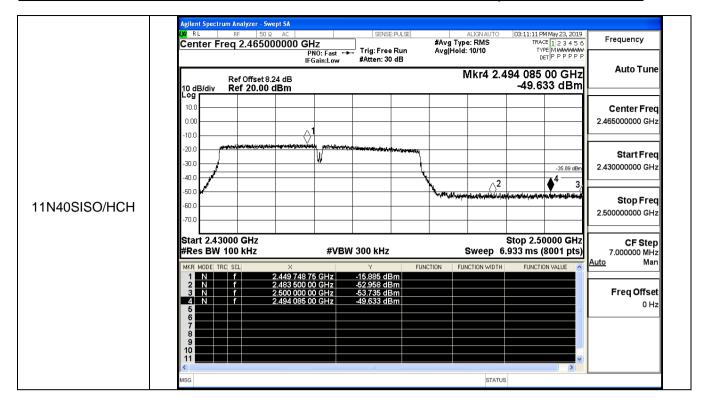
#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AE4F-G6S Report No.: LCS190429021AEC Frequency #Avg Type: RMS Avg|Hold: 10/10 Center Freq 2.475000000 GHz Trig: Free Run #Atten: 30 dB PNO: Fast ↔ IFGain:Low Auto Tune Mkr4 2.495 193 75 GHz -49.849 dBm Ref Offset 8.24 dB Ref 20.00 dBm 10.0 Center Freq 2.475000000 GHz 10.0 -2n r Start Freq 30.0 2.450000000 GHz -50.0 Stop Freq 11B/HCH an n 2.500000000 GHz Start 2.45000 GHz Stop 2.50000 GHz **CF Step** 5.000000 MHz #Res BW 100 kHz **#VBW** 300 kHz Sweep 4.800 ms (8001 pts) Man Freq Offset 0 Hz Agilent Spectrum Analyzer - Swept SA Frequency #Avg Type: RMS Avg|Hold: 10/10 Center Freq 2.367500000 GHz Trig: Free Run #Atten: 30 dB PNO: Fast +++ IFGain:Low Auto Tune Mkr4 2.321 428 GHz Ref Offset 8.24 dB Ref 20.00 dBm -49.486 dBm 10.0 Center Freq 2.367500000 GHz 10.0 -20.0 Start Freq -27.8 dB 30.0 2.310000000 GHz Stop Freq 11G/LCH -60.0 2.425000000 GHz Start 2.31000 GHz Stop 2.42500 GHz CF Step 11.500000 MHz #Res BW 100 kHz **#VBW** 300 kHz Sweep 11.20 ms (8001 pts) Man Freq Offset 0 Hz

STATUS

#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AE4F-G6S Report No.: LCS190429021AEC Frequency #Avg Type: RMS Avg|Hold: 10/10 Center Freq 2.475000000 GHz Trig: Free Run #Atten: 30 dB PNO: Fast ↔ IFGain:Low Auto Tune Mkr4 2.494 300 00 GHz -49.519 dBm Ref Offset 8.24 dB Ref 20.00 dBm 10.0 Center Freq 2.475000000 GHz 10.0 -2n r Start Freq -27.73 dB 30.0 2.450000000 GHz -50.0 Stop Freq 11G/HCH an n 2.500000000 GHz Start 2.45000 GHz Stop 2.50000 GHz **CF Step** 5.000000 MHz #Res BW 100 kHz **#VBW** 300 kHz Sweep 4.800 ms (8001 pts) Man Freq Offset 0 Hz Agilent Spectrum Analyzer - Swept SA Frequency #Avg Type: RMS Avg|Hold: 10/10 Center Freq 2.367500000 GHz Trig: Free Run #Atten: 30 dB PNO: Fast +++ IFGain:Low Auto Tune Mkr4 2.370 562 GHz Ref Offset 8.24 dB Ref 20.00 dBm -49.092 dBm 10.0 Center Freq 2.367500000 GHz 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 11.500000 MHz #Res BW 100 kHz **#VBW** 300 kHz Sweep 11.20 ms (8001 pts) Man Freq Offset 0 Hz STATUS

#### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AE4F-G6S Report No.: LCS190429021AEC 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 2.489 987 50 GHz -50.161 dBm Ref Offset 8.24 dB Ref 20.00 dBm 10.0 Center Freq 2.475000000 GHz 10.0 -2n r Start Freq -30.35 dB 30.0 2.450000000 GHz 40.0 -50.0 Stop Freq 11N20SISO/HCH an n 2.500000000 GHz Start 2.45000 GHz Stop 2.50000 GHz **CF Step** 5.000000 MHz **#VBW** 300 kHz #Res BW 100 kHz Sweep 4.800 ms (8001 pts) <u>Auto</u> Man Freq Offset 0 Hz Agilent Spectrum Analyzer - Swept SA Frequency #Avg Type: RMS Avg|Hold: 10/10 Center Freq 2.377500000 GHz Trig: Free Run #Atten: 30 dB PNO: Fast +++ IFGain:Low Mkr4 2.375 981 GHz -49.898 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 Stop Freq 11N40SISO/LCH -60.0 2.445000000 GHz Start 2.31000 GHz Stop 2.44500 GHz **CF Step** 13.500000 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 13.33 ms (8001 pts) Man Freq Offset 0 Hz STATUS

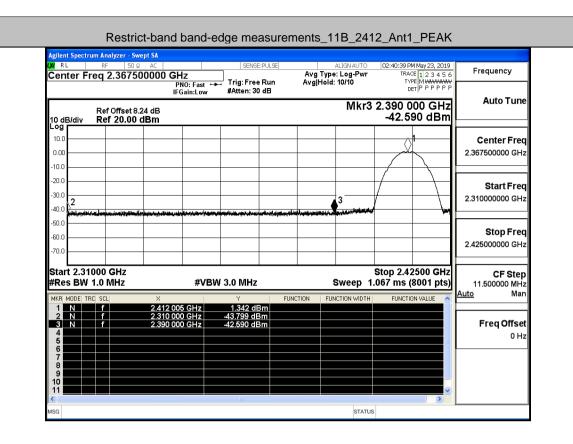
### SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AE4F-G6S Report No.: LCS190429021AEC

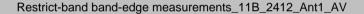


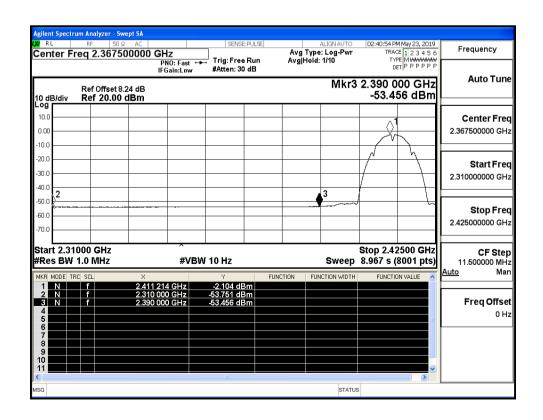
# C.7 Restrict-band band-edge measurements

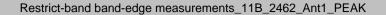
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBu V/m]	Verdict
	2412	Ant1	2310.0	-43.80	2.0	0	51.46	PEAK	74	PASS
	2412	Ant1	2310.0	-53.75	2.0	0	41.51	AV	54	PASS
	2412	Ant1	2390.0	-42.59	2.0	0	52.67	PEAK	74	PASS
	2412	Ant1	2390.0	-53.46	2.0	0	41.80	AV	54	PASS
11B	2462	Ant1	2483.5	-42.87	2.0	0	52.39	PEAK	74	PASS
	2462	Ant1	2483.5	-53.29	2.0	0	41.97	AV	54	PASS
	2462	Ant1	2500.0	-42.85	2.0	0	52.41	PEAK	74	PASS
	2462	Ant1	2500.0	-53.18	2.0	0	42.08	AV	54	PASS
	2412	Ant1	2310.0	-42.51	2.0	0	52.75	PEAK	74	PASS
	2412	Ant1	2310.0	-53.79	2.0	0	41.47	AV	54	PASS
	2412	Ant1	2390.0	-43.52	2.0	0	51.74	PEAK	74	PASS
	2412	Ant1	2390.0	-53.11	2.0	0	42.15	AV	54	PASS
11G	2462	Ant1	2483.5	-42.83	2.0	0	52.42	PEAK	74	PASS
	2462	Ant1	2483.5	-52.93	2.0	0	42.33	AV	54	PASS
	2462	Ant1	2500.0	-43.47	2.0	0	51.79	PEAK	74	PASS
	2462	Ant1	2500.0	-53.23	2.0	0	42.03	AV	54	PASS
	2412	Ant1	2310.0	-42.93	2.0	0	52.32	PEAK	74	PASS
	2412	Ant1	2310.0	-53.72	2.0	0	41.54	AV	54	PASS
	2412	Ant1	2390.0	-42.95	2.0	0	52.31	PEAK	74	PASS
11N20	2412	Ant1	2390.0	-53.09	2.0	0	42.16	AV	54	PASS
SISO	2462	Ant1	2483.5	-42.32	2.0	0	52.94	PEAK	74	PASS
	2462	Ant1	2483.5	-53.10	2.0	0	42.16	AV	54	PASS
	2462	Ant1	2500.0	-41.30	2.0	0	53.96	PEAK	74	PASS
	2462	Ant1	2500.0	-53.11	2.0	0	42.15	AV	54	PASS
11N40	2422	Ant1	2310.0	-43.54	2.0	0	51.72	PEAK	74	PASS
SISO	2422	Ant1	2310.0	-53.71	2.0	0	41.55	AV	54	PASS

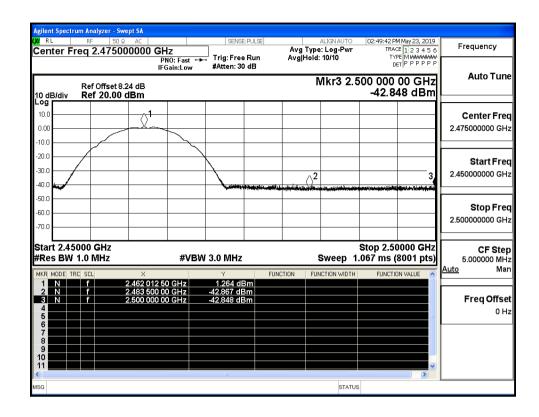
SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2AE4F								S-G6S Report No.: LCS190429021AEC			
		2422	Ant1	2390.0	-41.59	2.0	0	53.67	PEAK	74	PASS
		2422	Ant1	2390.0	-53.18	2.0	0	42.08	AV	54	PASS
		2452	Ant1	2483.5	-43.67	2.0	0	51.59	PEAK	74	PASS
		2452	Ant1	2483.5	-53.28	2.0	0	41.98	AV	54	PASS
		2452	Ant1	2500.0	-42.19	2.0	0	53.07	PEAK	74	PASS
		2452	Ant1	2500.0	-53.17	2.0	0	42.09	AV	54	PASS



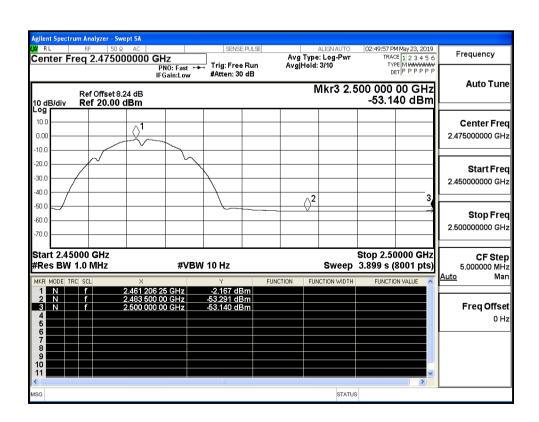


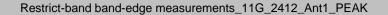


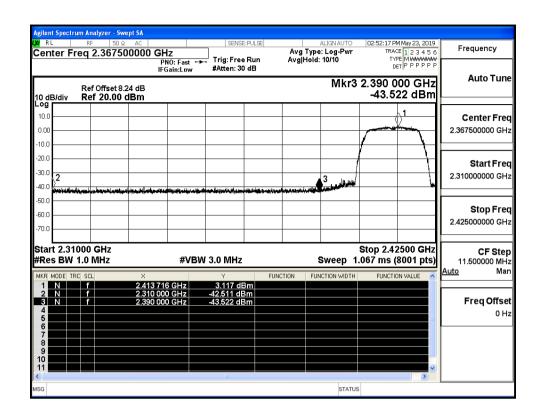




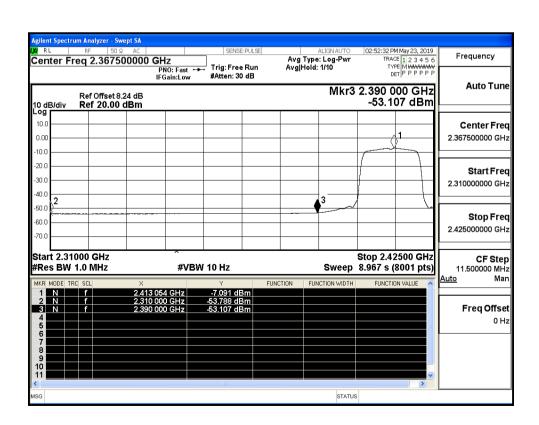
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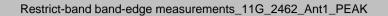


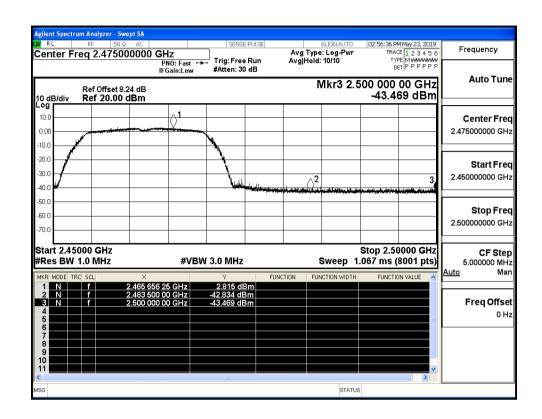




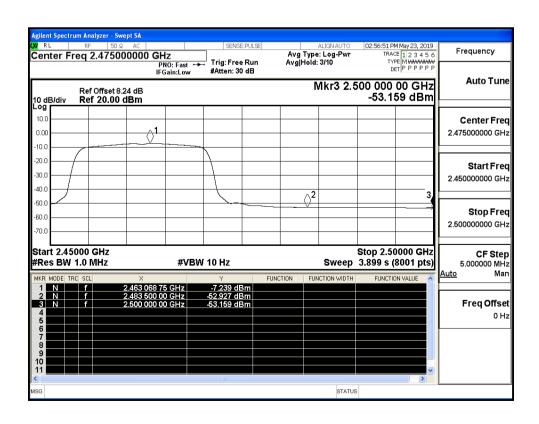
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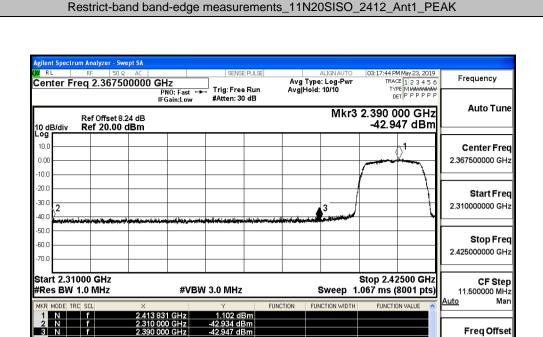






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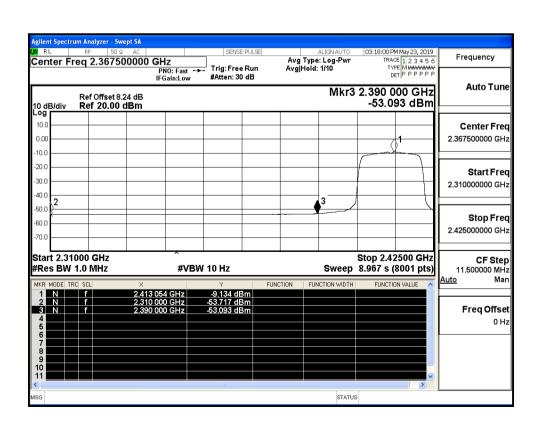


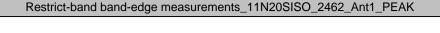


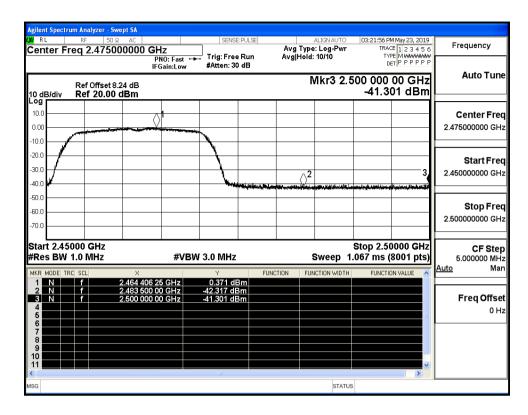
0 Hz

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

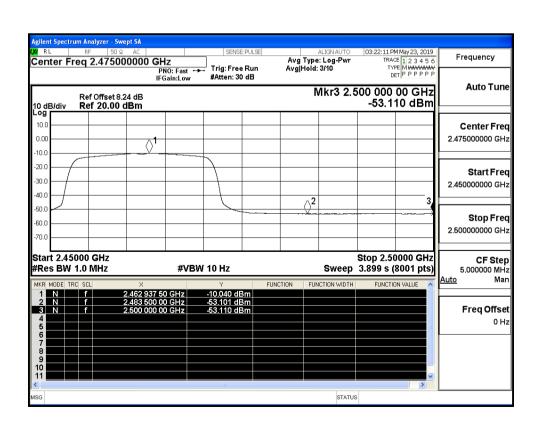
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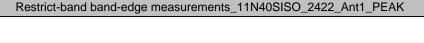


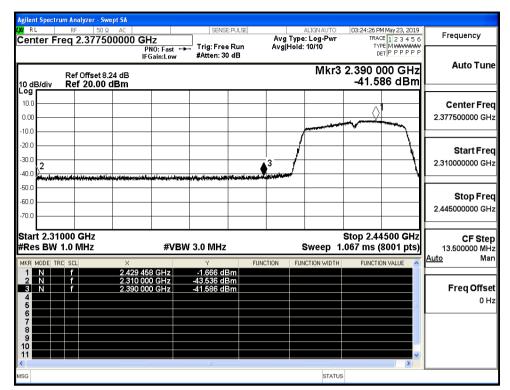




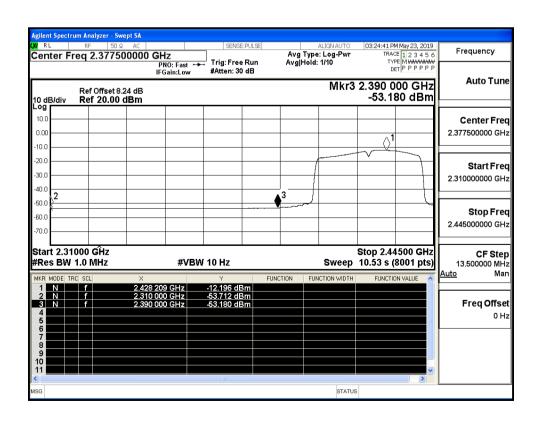
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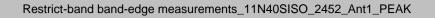


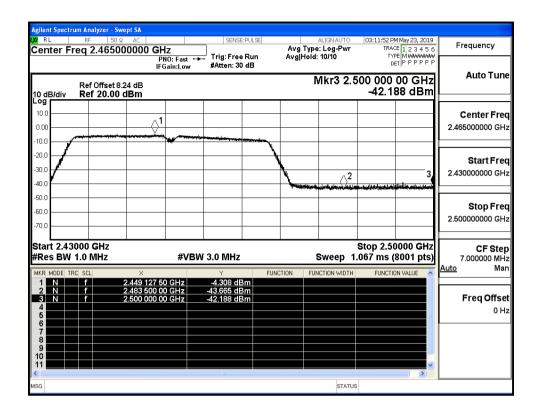




### Restrict-band band-edge measurements\_11N40SISO\_2422\_Ant1\_AV







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

