Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: IP PHONE

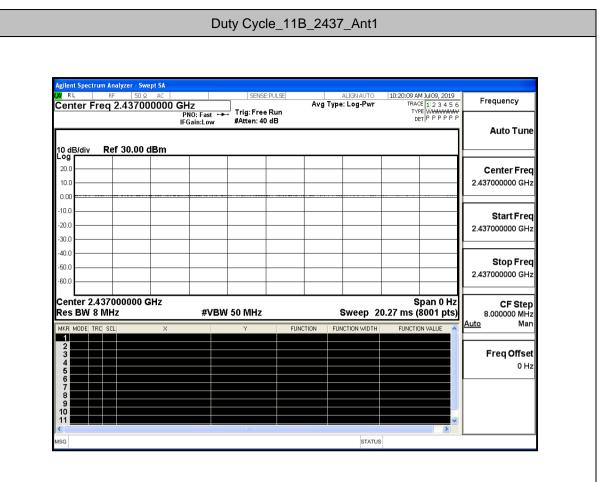
Trade Mark: Test Model: UC507

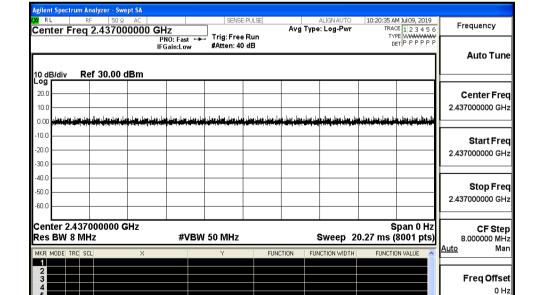
Environmental Conditions

	_ :	
	Temperature:	24.6 ° C
	Relative Humidity:	53.7%
	ATM Pressure:	100.0 kPa
Test Engineer: Supervised by:		Wang.Chuang
		TOM.LIU

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

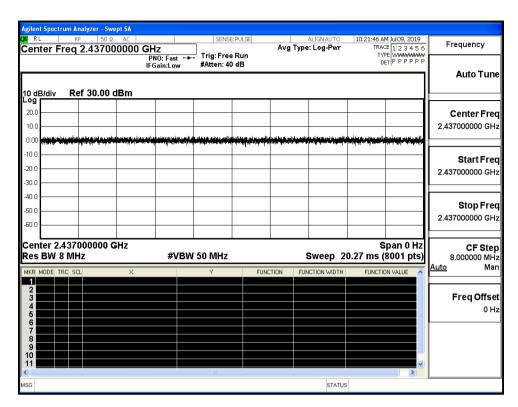




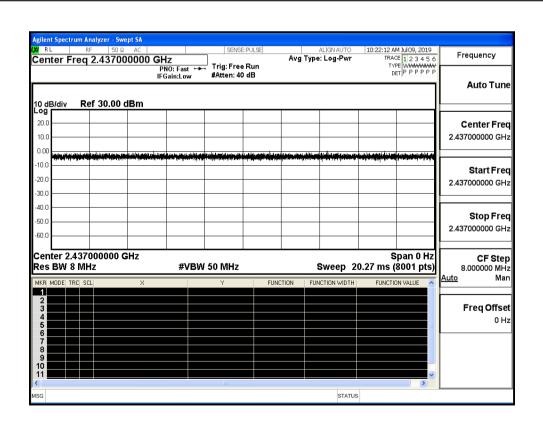
Duty Cycle_11G_2437_Ant1

STATUS

Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N40SISO_2437_Ant1

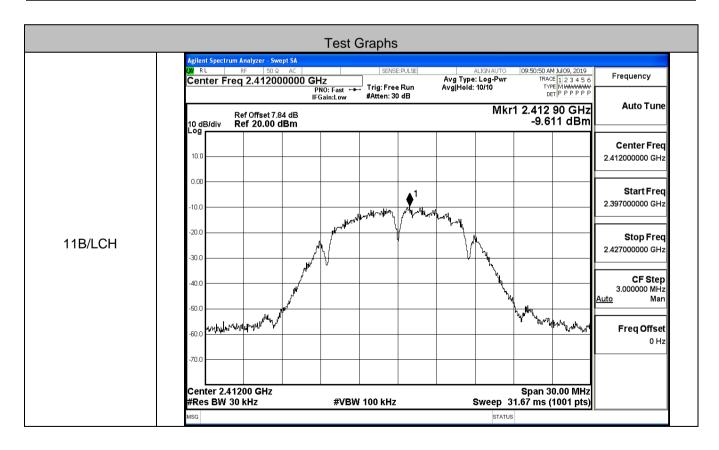


C.2 Maximum Conducted Output Power

Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
	LCH	8.09	30	PASS
11B	MCH	8.66	30	PASS
	HCH	7.98	30	PASS
	LCH	9.54	30	PASS
11G	MCH	11.58	30	PASS
	HCH	11.18	30	PASS
	LCH	9.36	30	PASS
11N20SISO	MCH	11.54	30	PASS
	HCH	11.17	30	PASS
	LCH	11.23	30	PASS
11N40SISO	MCH	11.58	30	PASS
	HCH	12.03	30	PASS

C.3 Maximum Power Spectral Density

Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
	LCH	-9.611	8	PASS
11B	MCH	-9.249	8	PASS
	HCH	-10.071	8	PASS
	LCH	-13.467	8	PASS
11G	MCH	-11.916	8	PASS
	HCH	-11.661	8	PASS
	LCH	-12.481	8	PASS
11N20SISO	MCH	-11.031	8	PASS
	HCH	-11.764	8	PASS
	LCH	-15.146	8	PASS
11N40SISO	MCH	-15.058	8	PASS
	HCH	-13.372	8	PASS



SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2ACUG43CSERIAL Report No.: LCS190619010AEC 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 90 GHz Ref Offset 7.84 dB Ref 20.00 dBm -9.249 dBm 10 dB/div Log Center Freq 10.0 2.437000000 GHz 0.00 Start Freq 2.422000000 GHz -10.0 - Aller Aller Aller Aller Stop Freq 11B/MCH 2.452000000 GHz 30.0 **CF Step** 3.000000 MHz 40.0 Auto Man -50.1 AND THE STREET 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 2.459 90 GHz Ref Offset 7.84 dB Ref 20.00 dBm -10.071 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 -50.0 JAMES AND TO SERVE STATE OF THE 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

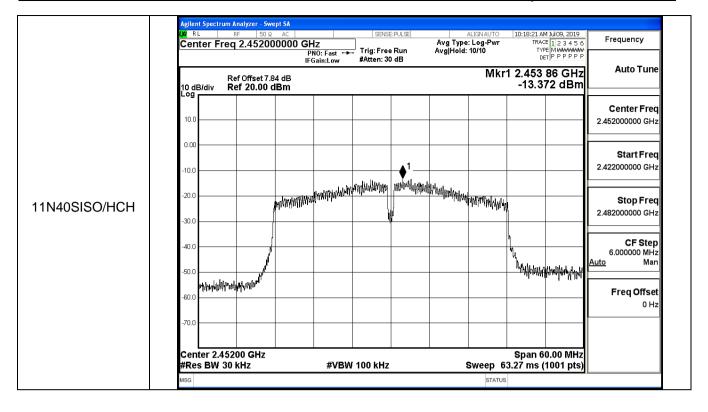
SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2ACUG43CSERIAL Report No.: LCS190619010AEC Frequency Avg Type: Log-Pwr Avg|Hold: 10/10 Center Freq 2.412000000 GHz Trig: Free Run PNO: Fast +++ IFGain:Low #Atten: 30 dB Auto Tune Mkr1 2.410 74 GHz Ref Offset 7.84 dB Ref 20.00 dBm -13.467 dBm 10 dB/div Log Center Freq 10.0 2.412000000 GHz 0.00 Start Freq 2.397000000 GHz 10.0 Stop Freq 11G/LCH 2.427000000 GHz 30.0 **CF Step** 3.000000 MHz 40.0 Auto Man -50.1 MANAGE PROPERTY OF THE PROPERT 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 2.440 75 GHz Ref Offset 7.84 dB Ref 20.00 dBm -11.916 dBm 10 dB/div Log Center Freq 10.0 2.437000000 GHz 0.00 Start Freq 2.422000000 GHz 10.0 LANDAYA HAMINING WARANA MARANA Stop Freq 11G/MCH 2.452000000 GHz Malan wayan 30.0 **CF Step** 3.000000 MHz 40.0 -50.0 HAMANIMATURAN Man Freq Offset Span 30.00 MHz Center 2.43700 GHz #Res BW 30 kHz **#VBW** 100 kHz Sweep 31.67 ms (1001 pts)

SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2ACUG43CSERIAL Report No.: LCS190619010AEC 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 2.458 88 GHz Ref Offset 7.84 dB Ref 20.00 dBm -11.661 dBm 10 dB/div Log Center Freq 10.0 2.462000000 GHz 0.00 Start Freq 2.447000000 GHz 10.0 political politi Stop Freq 11G/HCH 2.477000000 GHz 30.0 **CF Step** 3.000000 MHz 4404400004044411000 -40.0 AND THE PROPERTY OF THE PROPER Auto Man -50.0 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 2.410 74 GHz Ref Offset 7.84 dB Ref 20.00 dBm -12.481 dBm 10 dB/div Log Center Freq 10.0 2.412000000 GHz 0.00 Start Freq The transfer of the transfer o 2.397000000 GHz 10.0 20.0 Stop Freq 11N20SISO/LCH 2.427000000 GHz 30.0 **CF Step** 3.000000 MHz 40.0 <u>Auto</u> Man thirty of history HURLEYNVENDER 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: 2ACUG43CSERIAL Report No.: LCS190619010AEC 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 2.435 74 GHz Ref Offset 7.84 dB Ref 20.00 dBm -11.031 dBm 10 dB/div Log Center Freq 10.0 2.437000000 GHz 0.00 Start Freq 2.422000000 GHz 10.0 Stop Freq 11N20SISO/MCH 2.452000000 GHz 30 (**CF Step** 3.000000 MHz 40.0 apolitoratori de la compressión dela compressión de la compressión -50.0 http://www. Man 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 2.457 02 GHz Ref Offset 7.84 dB Ref 20.00 dBm -11.764 dBm 10 dB/div Log Center Freq 10.0 2.462000000 GHz 0.00 Start Freq 2.447000000 GHz 10.0 multimenterment province for more formations Stop Freq 11N20SISO/HCH 2.477000000 GHz 30.0 **CF Step** 3.000000 MHz 40.0 <u>Auto</u> Man ^{julid}t de de la prime della -50.0 Freq Offset Center 2.46200 GHz Span 30.00 MHz Sweep 31.67 ms (1001 pts) #Res BW 30 kHz **#VBW** 100 kHz

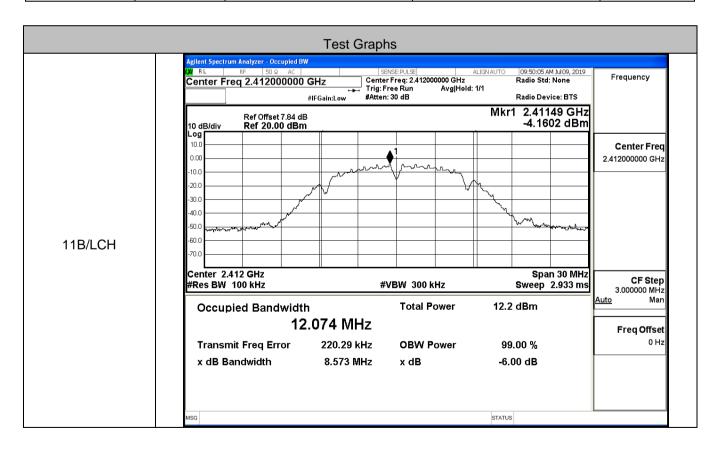
SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2ACUG43CSERIAL Report No.: LCS190619010AEC Frequency Avg Type: Log-Pwr Avg|Hold: 10/10 Center Freq 2.422000000 GHz Trig: Free Run PNO: Fast +++ IFGain:Low #Atten: 30 dB Auto Tune Mkr1 2.417 62 GHz Ref Offset 7.84 dB Ref 20.00 dBm -15.146 dBm 10 dB/div Center Freq 10.0 2.422000000 GHz 0.00 Start Freq 2.392000000 GHz 10.0 Stop Freq 11N40SISO/LCH 2.452000000 GHz 30.0 **CF Step** 6.000000 MHz 40.0 Auto Man -50.0 yakili olivalah balahlikalikali 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 2.448 88 GHz Ref Offset 7.84 dB Ref 20.00 dBm -15.058 dBm 10 dB/div Log Center Freq 10.0 2.437000000 GHz 0.00 Start Freq 2.407000000 GHz 10.0 The part of the first of the second of the s Stop Freq 11N40SISO/MCH 2.467000000 GHz 30.0 **CF Step** 6.000000 MHz 40.0 Marting the first of the first <u>Auto</u> Man -50.0 Freq Offset Span 60.00 MHz Center 2.43700 GHz Sweep 63.27 ms (1001 pts) #Res BW 30 kHz **#VBW** 100 kHz

SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2ACUG43CSERIAL Report No.: LCS190619010AEC



C.4 6dB Bandwidth

Mode	Channel 6dB Bandwidth [MHz]		Limit [MHz]	Verdict
	LCH	8.573	≥0.5	PASS
11B	MCH	9.514	≥0.5	PASS
	HCH	8.620	≥0.5	PASS
	LCH	13.85	≥0.5	PASS
11G	MCH	15.72	≥0.5	PASS
	HCH	15.72	≥0.5	PASS
	LCH	15.10	≥0.5	PASS
11N20SISO	MCH	16.35	≥0.5	PASS
	HCH	16.31	≥0.5	PASS
	LCH	34.71	≥0.5	PASS
11N40SISO	MCH	36.41	≥0.5	PASS
	HCH	26.35	≥0.5	PASS



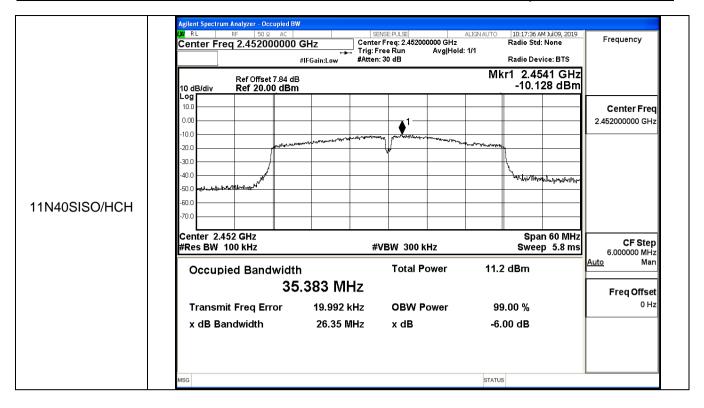
SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2ACUG43CSERIAL Report No.: LCS190619010AEC 09:52:27 AM Jul 09, 2019 Radio Std: None Frequency Center Freq: 2.437000000 GHz Trig: Free Run Avg|Hold:>1/1 Center Freq 2.437000000 GHz Trig: Free Run #Atten: 30 dB #IFGain:Low Radio Device: BTS Mkr1 2.4385 GHz -3.9848 dBm Ref Offset 7.84 dB Ref 20.00 dBm 10.0 Center Freq n no 2.437000000 GHz 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** 12.6 dBm Occupied Bandwidth 12.635 MHz Freq Offset Transmit Freq Error 161.33 kHz **OBW Power** 99.00 % -6.00 dB x dB Bandwidth 9.514 MHz x dB STATUS gilent Spectrum Analyzer - Occupied BW 09:54:05 AM Jul 09, 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 -4.0214 dBm Ref Offset 7.84 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** #VBW 300 kHz Sweep 2.933 ms 3.000000 MHz Man **Total Power** 12.2 dBm Occupied Bandwidth 12.691 MHz Freq Offset -273.52 kHz **OBW Power** 99.00 % **Transmit Freq Error** 8.620 MHz -6.00 dB x dB Bandwidth x dB STATUS

SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2ACUG43CSERIAL Report No.: LCS190619010AEC 09:56:29 AM Jul 09, 2019 Radio Std: None Sense: Poles ALIGN 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 2.41326 GHz -7.0413 dBm Mkr1 Ref Offset 7.84 dB Ref 20.00 dBm 10.0 Center Freq n no 2.412000000 GHz 10.0 40.1 Whoreholder Company 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** 9.18 dBm Occupied Bandwidth 16.185 MHz Freq Offset 66.071 kHz **OBW Power** 99.00 % **Transmit Freq Error** -6.00 dB x dB Bandwidth 13.85 MHz x dB STATUS gilent Spectrum Analyzer - Occupied BW 09:58:51 AM Jul 09, 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 2.43826 GHz -5.9464 dBm Ref Offset 7.84 dB Ref 20.00 dBm 10 dB/div Center Freq n no 2.437000000 GHz 10.0 market and articles 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 Man **Total Power** 10.8 dBm Occupied Bandwidth 16.449 MHz Freq Offset 71.939 kHz **OBW Power** 99.00 % **Transmit Freq Error** 15.72 MHz -6.00 dB x dB Bandwidth x dB STATUS

SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2ACUG43CSERIAL Report No.: LCS190619010AEC 10:00:32 AM Jul 09, 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 2.45699 GHz Ref Offset 7.84 dB Ref 20.00 dBm -6.3048 dBm 10.0 Center Freq n no 2.462000000 GHz 10.0 11.15·1.0 of the state of th 40.1 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** 10.5 dBm Occupied Bandwidth 16.402 MHz Freq Offset Transmit Freq Error -115.03 kHz **OBW Power** 99.00 % x dB Bandwidth 15.72 MHz x dB -6.00 dB STATUS gilent Spectrum Analyzer - Occupied BW 10:02:58 AM Jul 09, 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 2.41074 GHz -8.2954 dBm Mkr1 Ref Offset 7.84 dB Ref 20.00 dBm 10 dB/div Center Freq n no 2.412000000 GHz 10.0 www. 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 8.76 dBm Occupied Bandwidth **Total Power** 17.339 MHz Freq Offset 82.556 kHz **OBW Power** 99.00 % **Transmit Freq Error** 15.10 MHz -6.00 dB x dB Bandwidth x dB STATUS

SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2ACUG43CSERIAL Report No.: LCS190619010AEC 10:13:35 AM Jul 09, 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 2.41606 GHz -12.026 dBm Ref Offset 7.84 dB Ref 20.00 dBm 10.0 Center Freq n no 2.422000000 GHz 10.0 all while for the work 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 35.729 MHz Freq Offset 79.940 kHz **OBW Power** 99.00 % **Transmit Freq Error** -6.00 dB x dB Bandwidth 34.71 MHz x dB STATUS gilent Spectrum Analyzer - Occupied BW 10:15:58 AM Jul 09, 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 2.4466 GHz Ref Offset 7.84 dB Ref 20.00 dBm -11.994 dBm 10 dB/div Center Freq n no 2.437000000 GHz 10.0 who will be the supplemental 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 **Total Power** 10.2 dBm Occupied Bandwidth 36.141 MHz Freq Offset 58.058 kHz **OBW Power** 99.00 % **Transmit Freq Error** 36.41 MHz -6.00 dB x dB Bandwidth x dB STATUS

SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2ACUG43CSERIAL Report No.: LCS190619010AEC

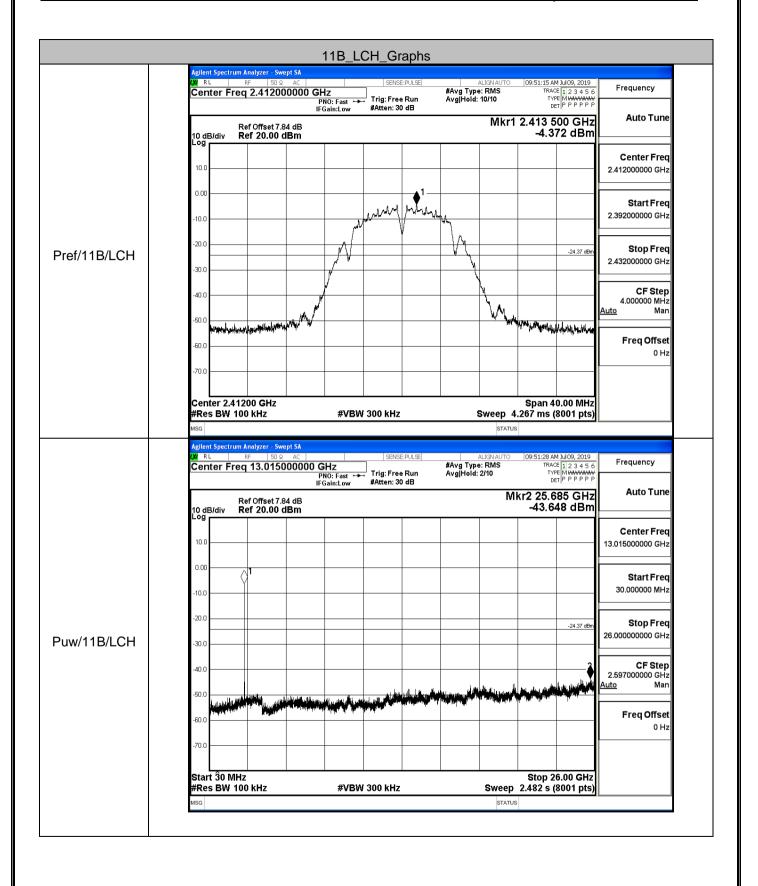


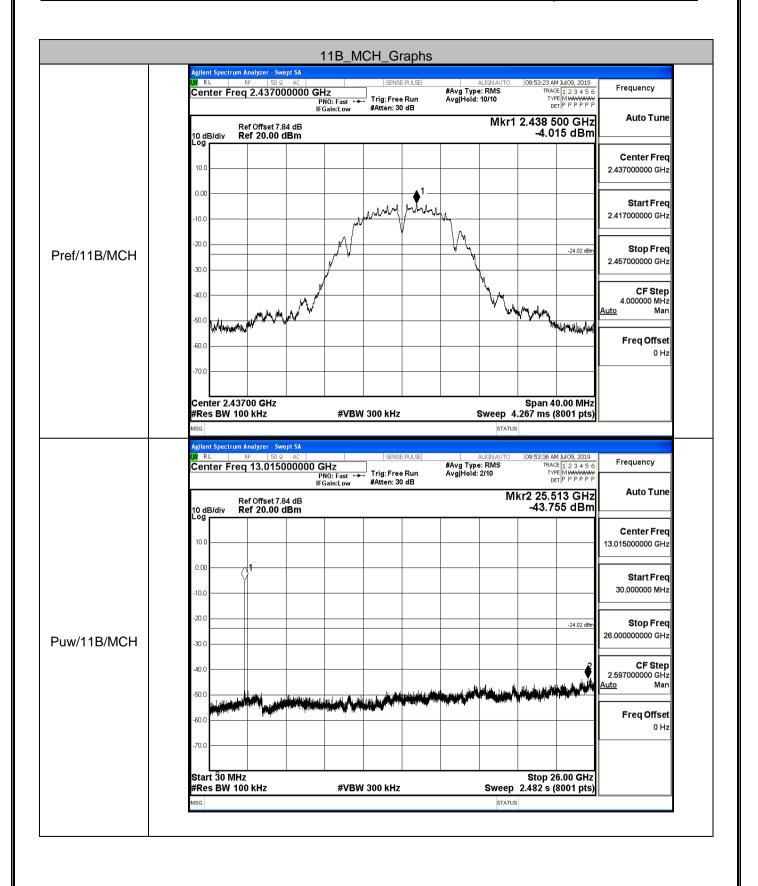
C.5 RF Conducted Spurious Emissions

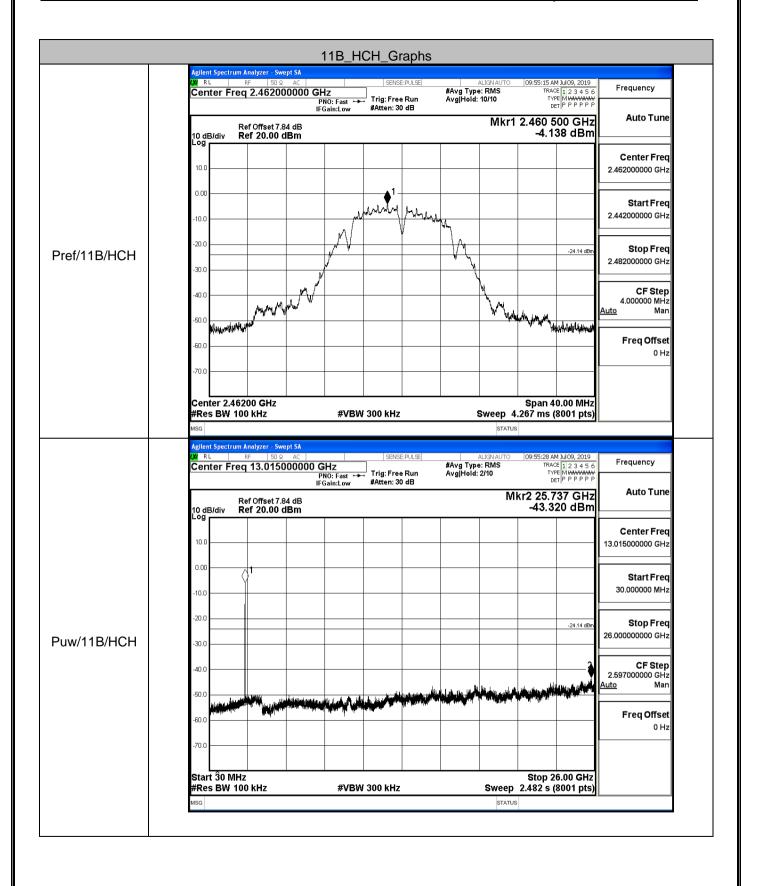
		Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdic
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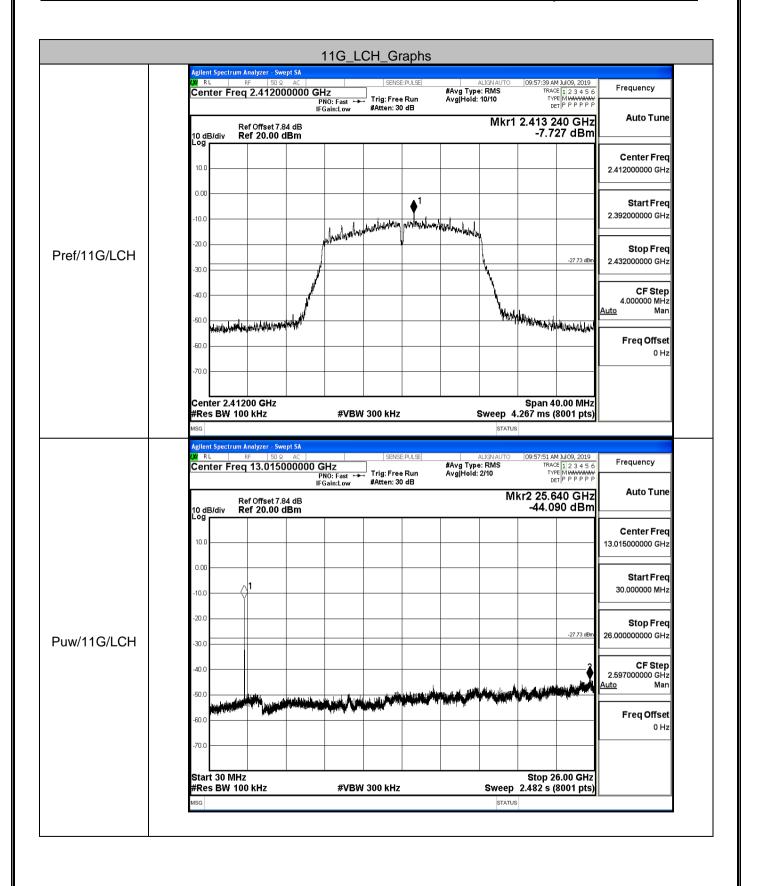
SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2ACUG43CSERIAL Report No.: LCS190619010AEC

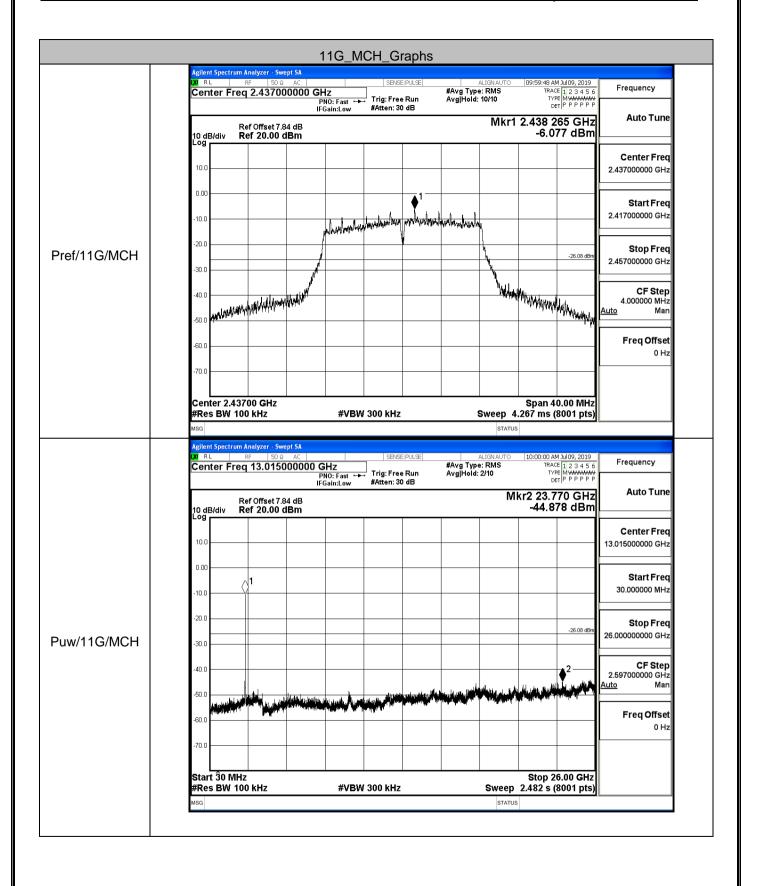
					t
	LCH	-4.372	-43.648	-24.372	PASS
11B	MCH	-4.015	-43.755	-24.015	PASS
	HCH	-4.138	-43.320	-24.138	PASS
	LCH	-7.727	-44.090	-27.727	PASS
11G	MCH	-6.077	-44.878	-26.077	PASS
	HCH	-6.677	-43.030	-26.677	PASS
441100	LCH	-7.458	-43.761	-27.458	PASS
11N20	MCH	-5.983	-43.015	-25.983	PASS
SISO	HCH	-6.456	-42.817	-26.456	PASS
	LCH	-12.058	-43.308	-32.058	PASS
11N40	MCH	-12.027	-44.334	-32.027	PASS
SISO	HCH	-10.852	-43.797	-30.852	PASS

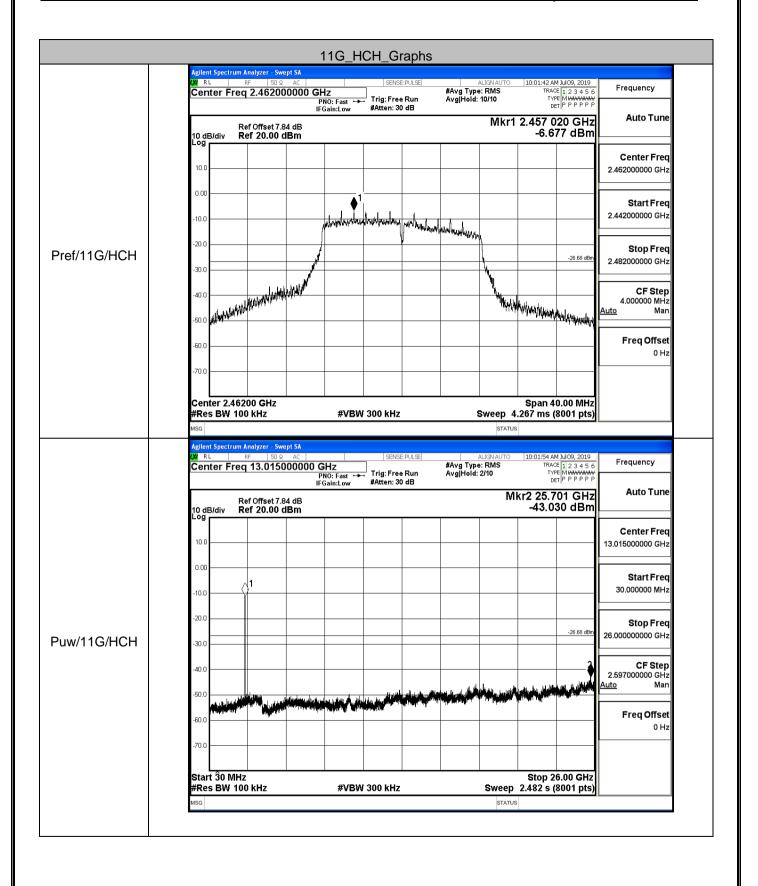


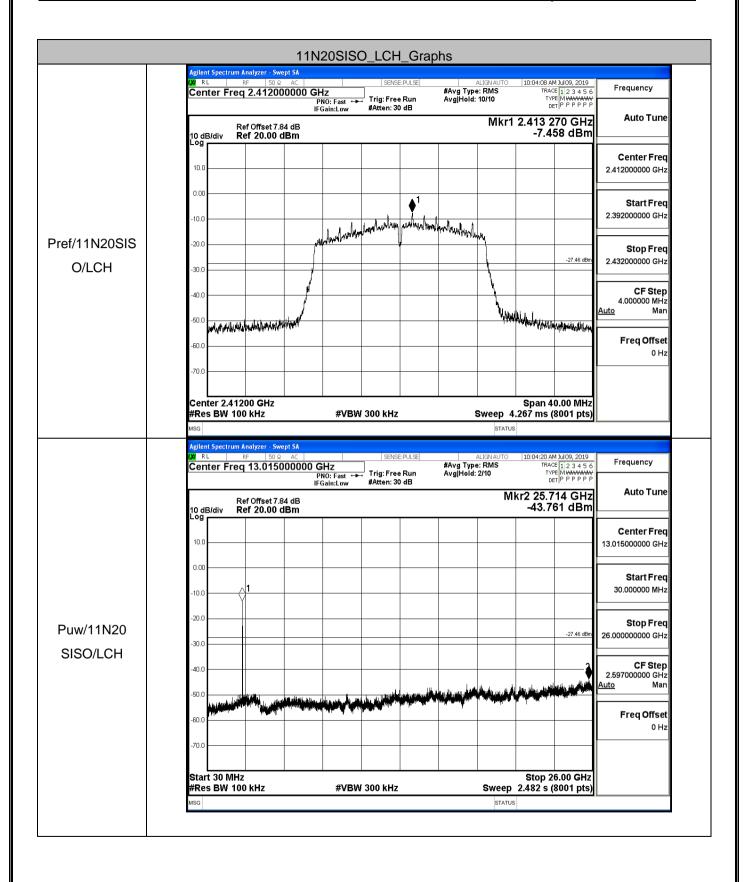


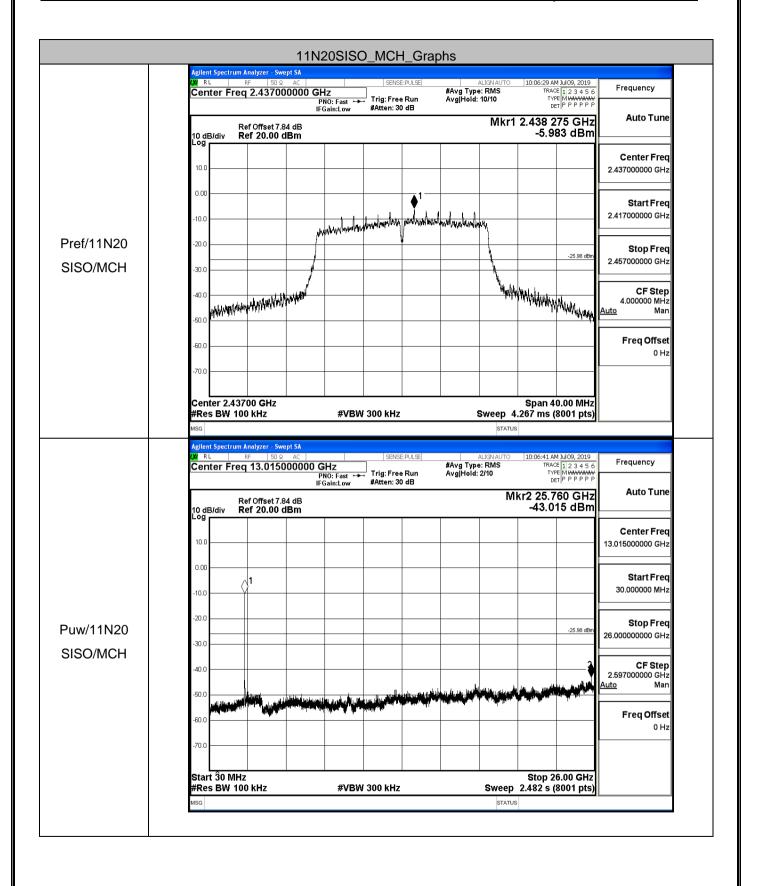


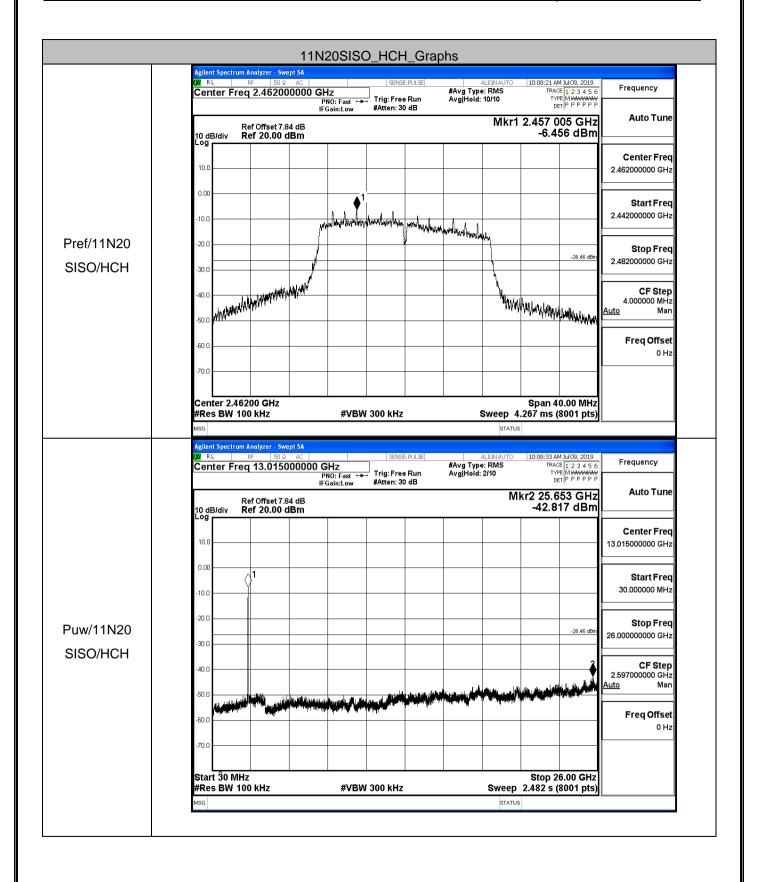


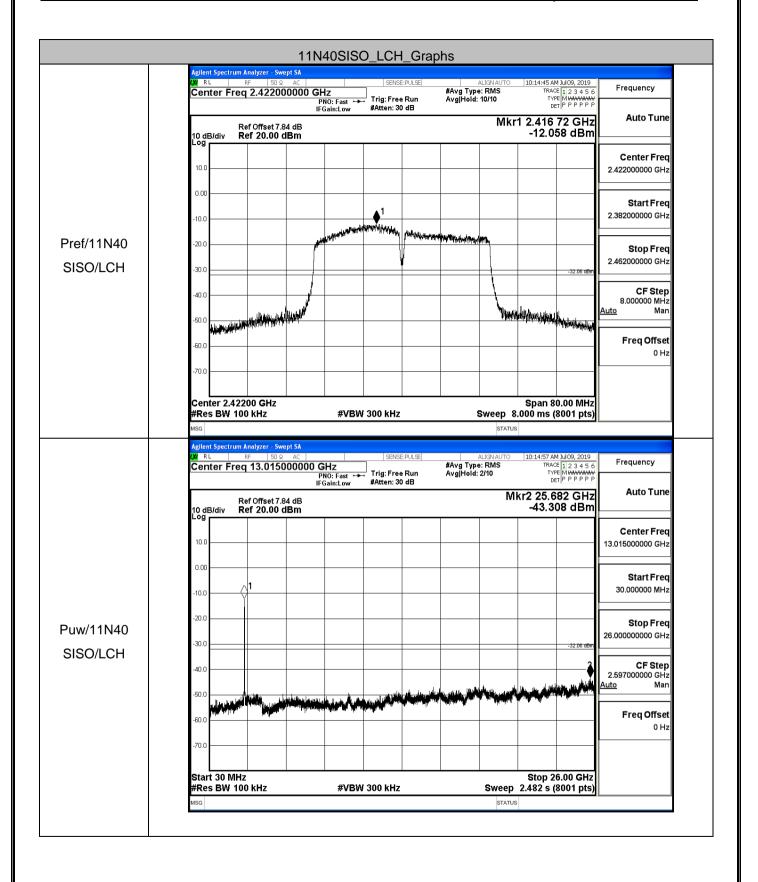


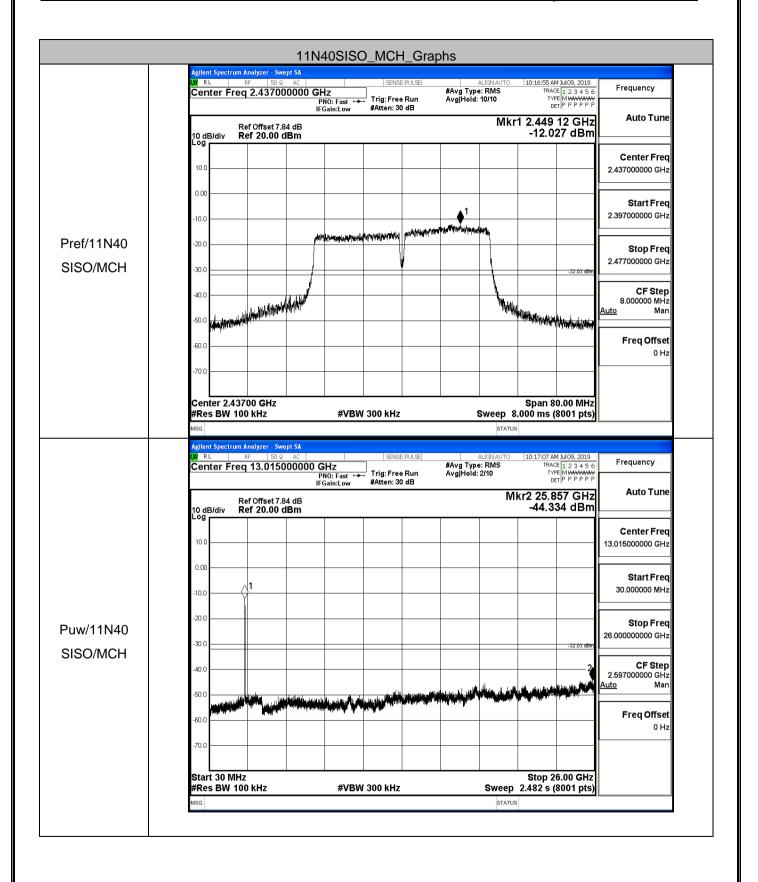


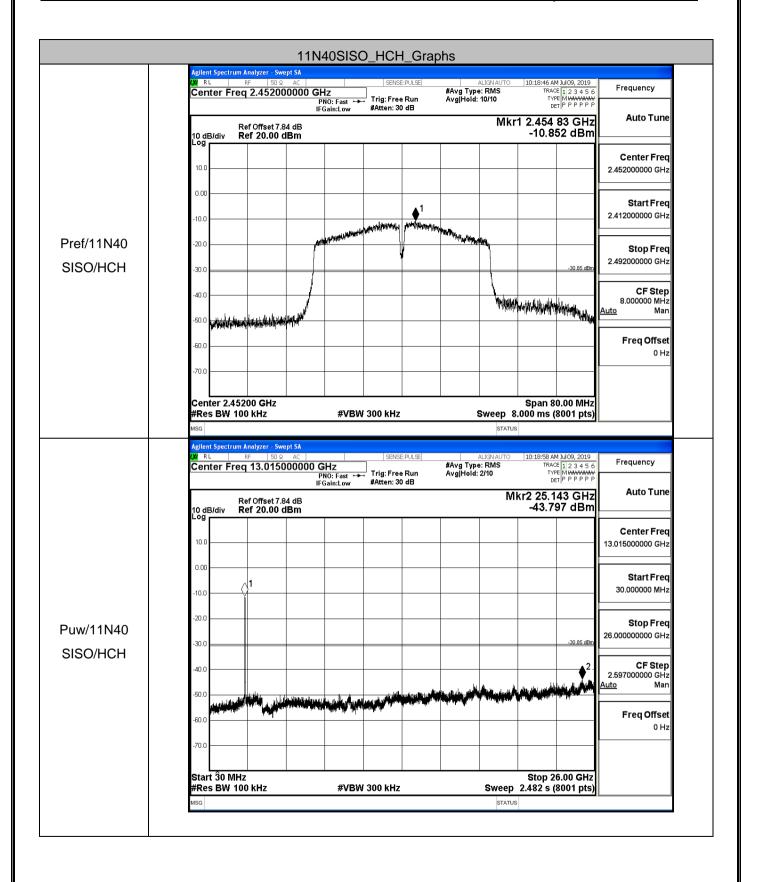






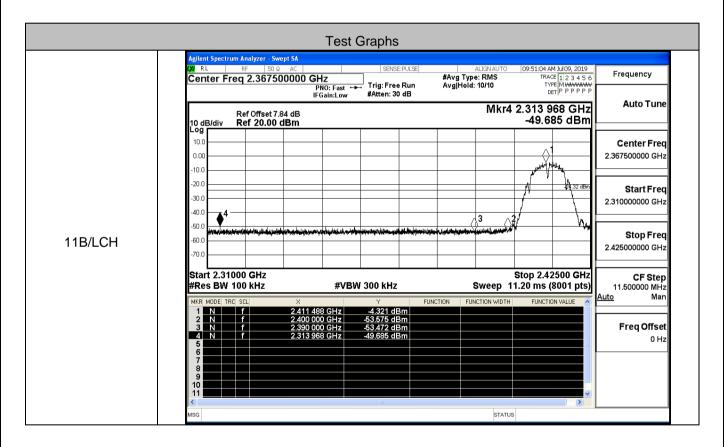






C.6 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
	LCH	-4.321	-49.685	-24.32	PASS
11B	HCH	-4.038	-49.943	-24.04	PASS
	LCH	-8.245	-49.842	-28.25	PASS
11G	HCH	-6.713	-49.332	-26.71	PASS
441000100	LCH	-7.857	-50.568	-27.86	PASS
11N20SISO	HCH	-6.835	-46.637	-26.84	PASS
	LCH	-11.984	-49.248	-31.98	PASS
11N40SISO	HCH	-10.882	-41.584	-30.88	PASS



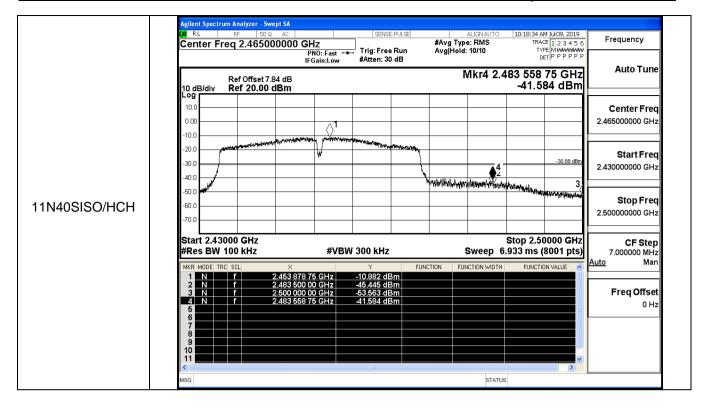
SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2ACUG43CSERIAL Report No.: LCS190619010AEC Frequency #Avg Type: RMS Avg|Hold: 10/10 Center Freq 2.475000000 GHz Trig: Free Run #Atten: 30 dB PNO: Fast ↔ IFGain:Low Auto Tune Mkr4 2.496 125 00 GHz -49.943 dBm Ref Offset 7.84 dB Ref 20.00 dBm 10.0 Center Freq 2.475000000 GHz 10.0 -2n r -24.U4 dB 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 **#VBW** 300 kHz #Res BW 100 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 2.311 409 GHz Ref Offset 7.84 dB Ref 20.00 dBm -49.842 dBm 10.0 Center Freq 2.367500000 GHz 10.0 -20.0 Start Freq 30.0 2.310000000 GHz -50.0 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: 2ACUG43CSERIAL Report No.: LCS190619010AEC 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 2.485 806 25 GHz -49.332 dBm Ref Offset 7.84 dB Ref 20.00 dBm 10.0 Center Freq 2.475000000 GHz 10.0 make here here -2n r -26.71 dB Start Freq 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 FUNCTION 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 Mkr4 2.389 911 GHz -50.568 dBm Auto Tune Ref Offset 7.84 dB Ref 20.00 dBm 10.0 Center Freq 2.367500000 GHz 10.0 -20.0 Start Freq -27.86 dE 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: 2ACUG43CSERIAL Report No.: LCS190619010AEC 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 2.483 518 75 GHz -46.637 dBm Ref Offset 7.84 dB Ref 20.00 dBm 10.0 Center Freq 2.475000000 GHz 10.0 Muchanhan -2n r -26.84 dB Start Freq 30.0 2.450000000 GHz while with white the state of the 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) Man FUNCTION 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 Auto Tune Mkr4 2.389 853 GHz Ref Offset 7.84 dB Ref 20.00 dBm -49.248 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 #VBW 300 kHz #Res BW 100 kHz Sweep 13.33 ms (8001 pts) Man Freq Offset 0 Hz STATUS

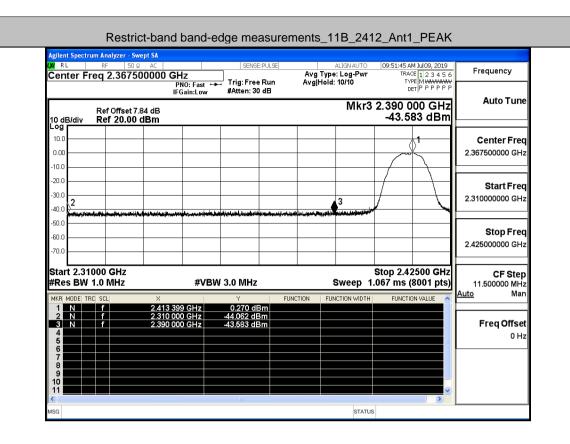
SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2ACUG43CSERIAL Report No.: LCS190619010AEC

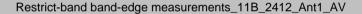


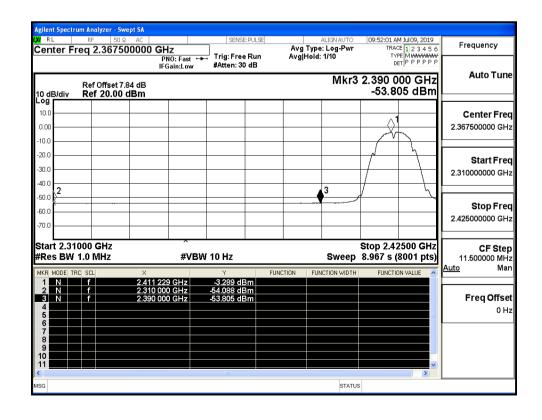
C.7 Restrict-band band-edge measurements

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBu V/m]	Verdict
	2412	Ant1	2310.0	-44.06	3.8	0	55.00	PEAK	74	PASS
	2412	Ant1	2310.0	-54.09	3.8	0	44.97	AV	54	PASS
	2412	Ant1	2390.0	-43.58	3.8	0	55.48	PEAK	74	PASS
445	2412	Ant1	2390.0	-53.81	3.8	0	45.25	AV	54	PASS
11B	2462	Ant1	2483.5	-43.69	3.8	0	55.37	PEAK	74	PASS
	2462	Ant1	2483.5	-53.44	3.8	0	45.62	AV	54	PASS
	2462	Ant1	2500.0	-43.34	3.8	0	55.72	PEAK	74	PASS
	2462	Ant1	2500.0	-53.45	3.8	0	45.61	AV	54	PASS
	2412	Ant1	2310.0	-43.60	3.8	0	55.46	PEAK	74	PASS
	2412	Ant1	2310.0	-54.10	3.8	0	44.96	AV	54	PASS
	2412	Ant1	2390.0	-43.35	3.8	0	55.71	PEAK	74	PASS
	2412	Ant1	2390.0	-53.65	3.8	0	45.41	AV	54	PASS
11G	2462	Ant1	2483.5	-40.98	3.8	0	58.08	PEAK	74	PASS
	2462	Ant1	2483.5	-52.19	3.8	0	46.87	AV	54	PASS
	2462	Ant1	2500.0	-42.83	3.8	0	56.23	PEAK	74	PASS
	2462	Ant1	2500.0	-53.34	3.8	0	45.72	AV	54	PASS
	2412	Ant1	2310.0	-42.83	3.8	0	56.23	PEAK	74	PASS
	2412	Ant1	2310.0	-54.08	3.8	0	44.98	AV	54	PASS
	2412	Ant1	2390.0	-42.98	3.8	0	56.08	PEAK	74	PASS
11N20	2412	Ant1	2390.0	-53.66	3.8	0	45.4	AV	54	PASS
SISO	2462	Ant1	2483.5	-38.82	3.8	0	60.24	PEAK	74	PASS
	2462	Ant1	2483.5	-51.64	3.8	0	47.42	AV	54	PASS
	2462	Ant1	2500.0	-43.16	3.8	0	55.9	PEAK	74	PASS
	2462	Ant1	2500.0	-53.29	3.8	0	45.77	AV	54	PASS
11N40	2422	Ant1	2310.0	-44.69	3.8	0	54.37	PEAK	74	PASS
SISO	2422	Ant1	2310.0	-54.05	3.8	0	45.01	AV	54	PASS

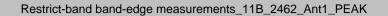
<u>S</u>	SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD. FCC ID: 2ACUG43CSERIAL Report No.: LCS1906190104									<u>19010AEC</u>	
		2422	Ant1	2390.0	-39.15	3.8	0	59.91	PEAK	74	PASS
		2422	Ant1	2390.0	-51.33	3.8	0	47.73	AV	54	PASS
		2452	Ant1	2483.5	-32.46	3.8	0	66.6	PEAK	74	PASS
		2452	Ant1	2483.5	-45.68	3.8	0	53.38	AV	54	PASS
		2452	Ant1	2500.0	-42.42	3.8	0	56.64	PEAK	74	PASS
		2452	Ant1	2500.0	-52.90	3.8	0	46.16	AV	54	PASS

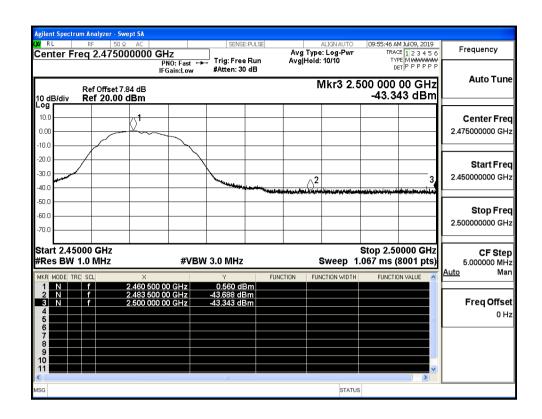




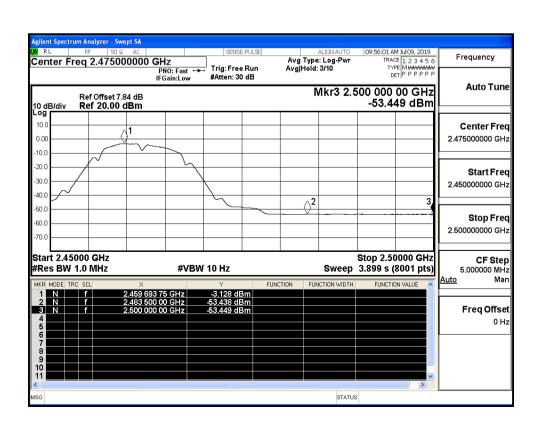


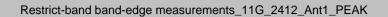
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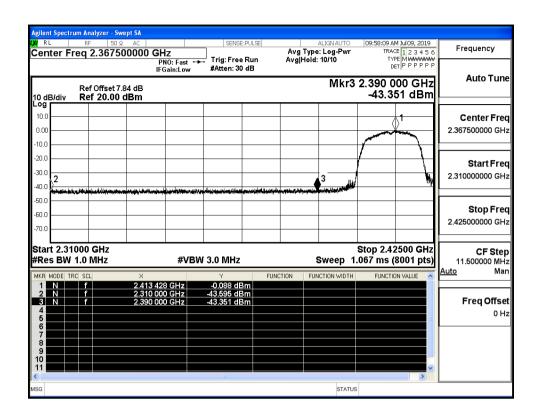




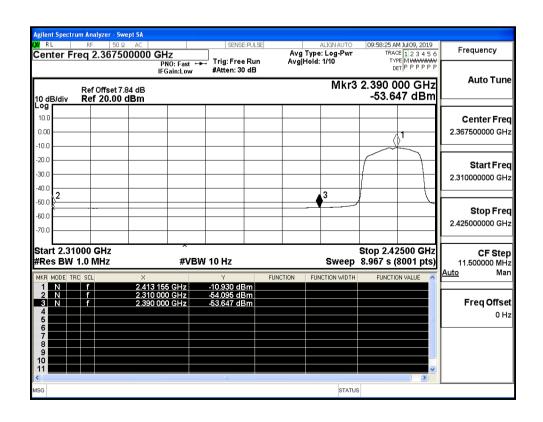
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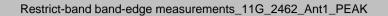


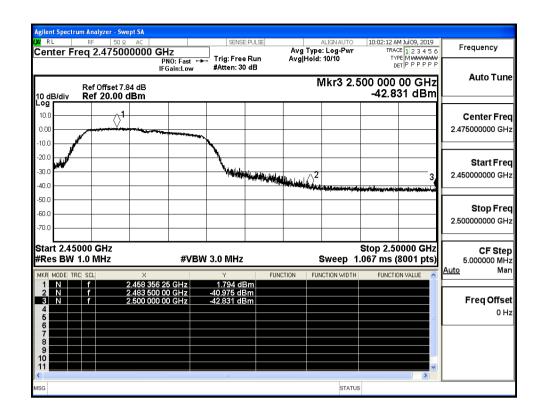




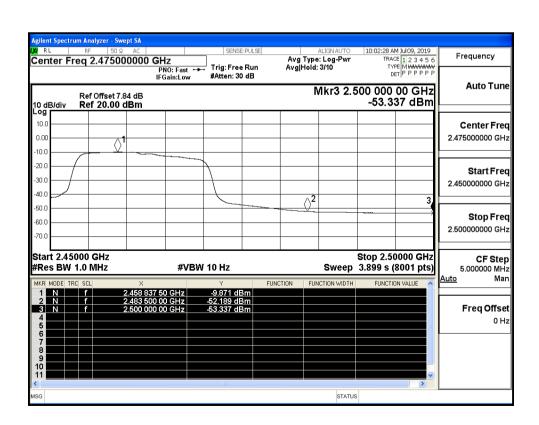
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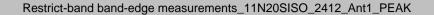


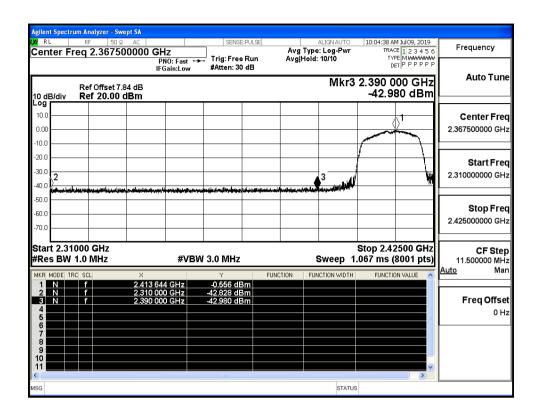




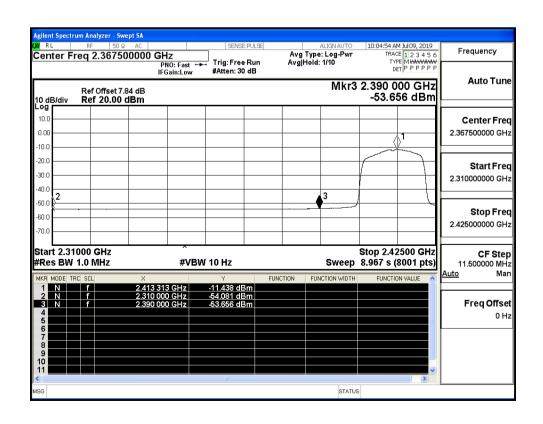
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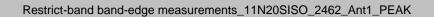


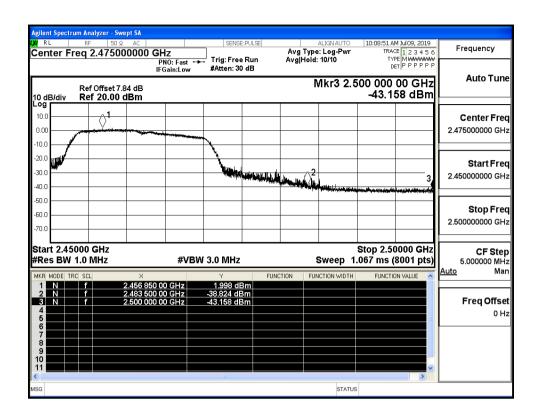




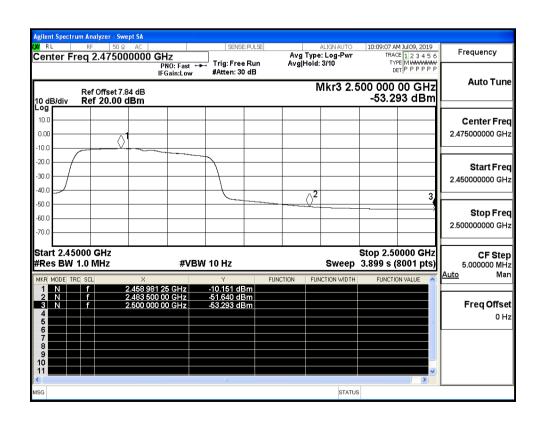
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_AV

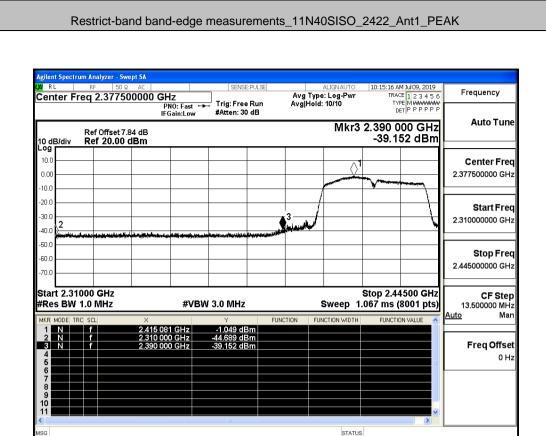




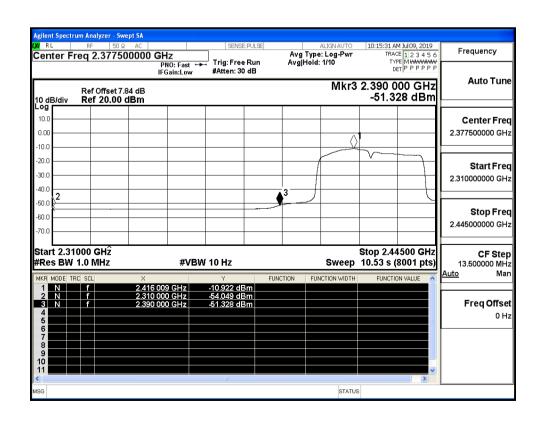


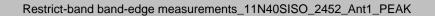
Restrict-band band-edge measurements_11N20SISO_2462_Ant1_AV

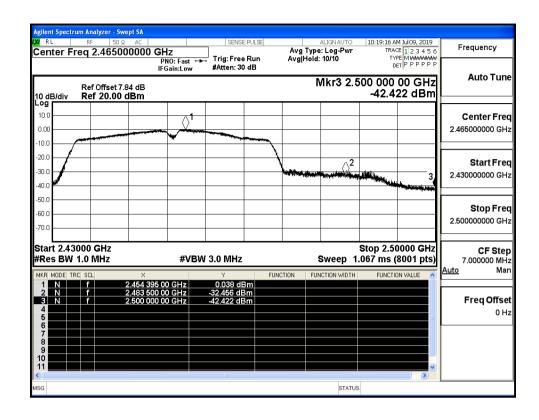




Restrict-band band-edge measurements_11N40SISO_2422_Ant1_AV







Restrict-band band-edge measurements_11N40SISO_2452_Ant1_AV

