

Appendix C) Band-edge for RF Conducted Emissions

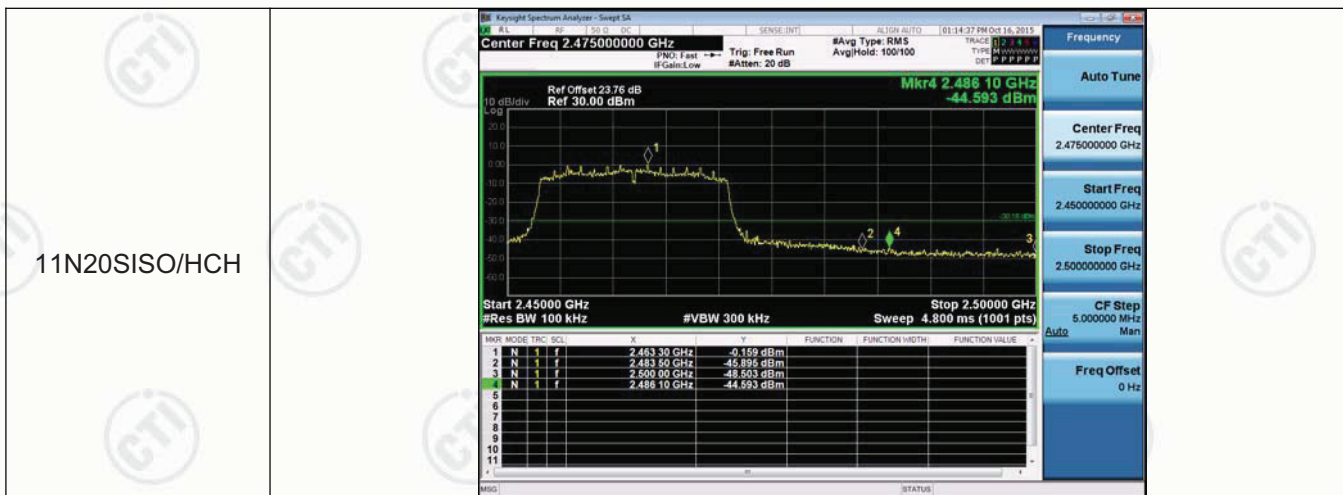
Result Table

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	3.385	-45.753	-26.62	PASS
11B	HCH	3.990	-45.149	-26.01	PASS
11G	LCH	0.931	-42.835	-29.07	PASS
11G	HCH	0.234	-44.100	-29.77	PASS
11N20SISO	LCH	0.079	-45.107	-29.92	PASS
11N20SISO	HCH	-0.159	-44.593	-30.16	PASS

Test Graph



11G/LCH	<div><div><div>Keyight Spectrum Analyzer - Sweep SA</div><div>Center Freq 2.387500000 GHz</div><div>Ref Offset 23.76 dB Ref 30.00 dBm</div><div>Mkr4 2.389 905 GHz -42.835 dBm</div><div>Start 2.35500 GHz #Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Stop 2.42000 GHz Sweep 6.267 ms (1001 pts)</div><div><table><tr><th>MARK</th><th>MODE</th><th>TRC</th><th>SCL</th><th>F</th><th>dBm</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.413 305 GHz</td><td>0.931 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.400 000 GHz</td><td>-38.870 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.390 000 GHz</td><td>-43.860 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.389 905 GHz</td><td>-42.835 dBm</td><td></td><td></td><td></td></tr></table></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq 2.387500000 GHz</div><div>Start Freq 2.355000000 GHz</div><div>Stop Freq 2.420000000 GHz</div><div>CF Step 6.500000 MHz Man</div><div>Freq Offset 0 Hz</div></div></div></div>	MARK	MODE	TRC	SCL	F	dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.413 305 GHz	0.931 dBm				2	N	1	f	2.400 000 GHz	-38.870 dBm				3	N	1	f	2.390 000 GHz	-43.860 dBm				4	N	1	f	2.389 905 GHz	-42.835 dBm			
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11G/HCH	<div><div><div>Keyight Spectrum Analyzer - Sweep SA</div><div>Center Freq 2.475000000 GHz</div><div>Ref Offset 23.76 dB Ref 30.00 dBm</div><div>Mkr4 2.484 85 GHz -44.100 dBm</div><div>Start 2.45000 GHz #Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Stop 2.50000 GHz Sweep 4.800 ms (1001 pts)</div><div><table><tr><th>MARK</th><th>MODE</th><th>TRC</th><th>SCL</th><th>F</th><th>dBm</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.460 75 GHz</td><td>0.234 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.483 50 GHz</td><td>-44.267 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.500 00 GHz</td><td>-46.958 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.484 85 GHz</td><td>-44.100 dBm</td><td></td><td></td><td></td></tr></table></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq 2.475000000 GHz</div><div>Start Freq 2.450000000 GHz</div><div>Stop Freq 2.500000000 GHz</div><div>CF Step 5.000000 MHz Man</div><div>Freq Offset 0 Hz</div></div></div></div>	MARK	MODE	TRC	SCL	F	dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.460 75 GHz	0.234 dBm				2	N	1	f	2.483 50 GHz	-44.267 dBm				3	N	1	f	2.500 00 GHz	-46.958 dBm				4	N	1	f	2.484 85 GHz	-44.100 dBm			
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11N20SISO/LCH	<div><div><div>Keyight Spectrum Analyzer - Sweep SA</div><div>Center Freq 2.387500000 GHz</div><div>Ref Offset 23.76 dB Ref 30.00 dBm</div><div>Mkr4 2.379 830 GHz -45.107 dBm</div><div>Start 2.35500 GHz #Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Stop 2.42000 GHz Sweep 6.267 ms (1001 pts)</div><div><table><tr><th>MARK</th><th>MODE</th><th>TRC</th><th>SCL</th><th>F</th><th>dBm</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.413 240 GHz</td><td>0.079 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.400 000 GHz</td><td>-40.502 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.390 000 GHz</td><td>-45.157 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.379 830 GHz</td><td>-45.107 dBm</td><td></td><td></td><td></td></tr></table></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq 2.387500000 GHz</div><div>Start Freq 2.355000000 GHz</div><div>Stop Freq 2.420000000 GHz</div><div>CF Step 6.500000 MHz Man</div><div>Freq Offset 0 Hz</div></div></div></div>	MARK	MODE	TRC	SCL	F	dBm	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.413 240 GHz	0.079 dBm				2	N	1	f	2.400 000 GHz	-40.502 dBm				3	N	1	f	2.390 000 GHz	-45.157 dBm				4	N	1	f	2.379 830 GHz	-45.107 dBm			
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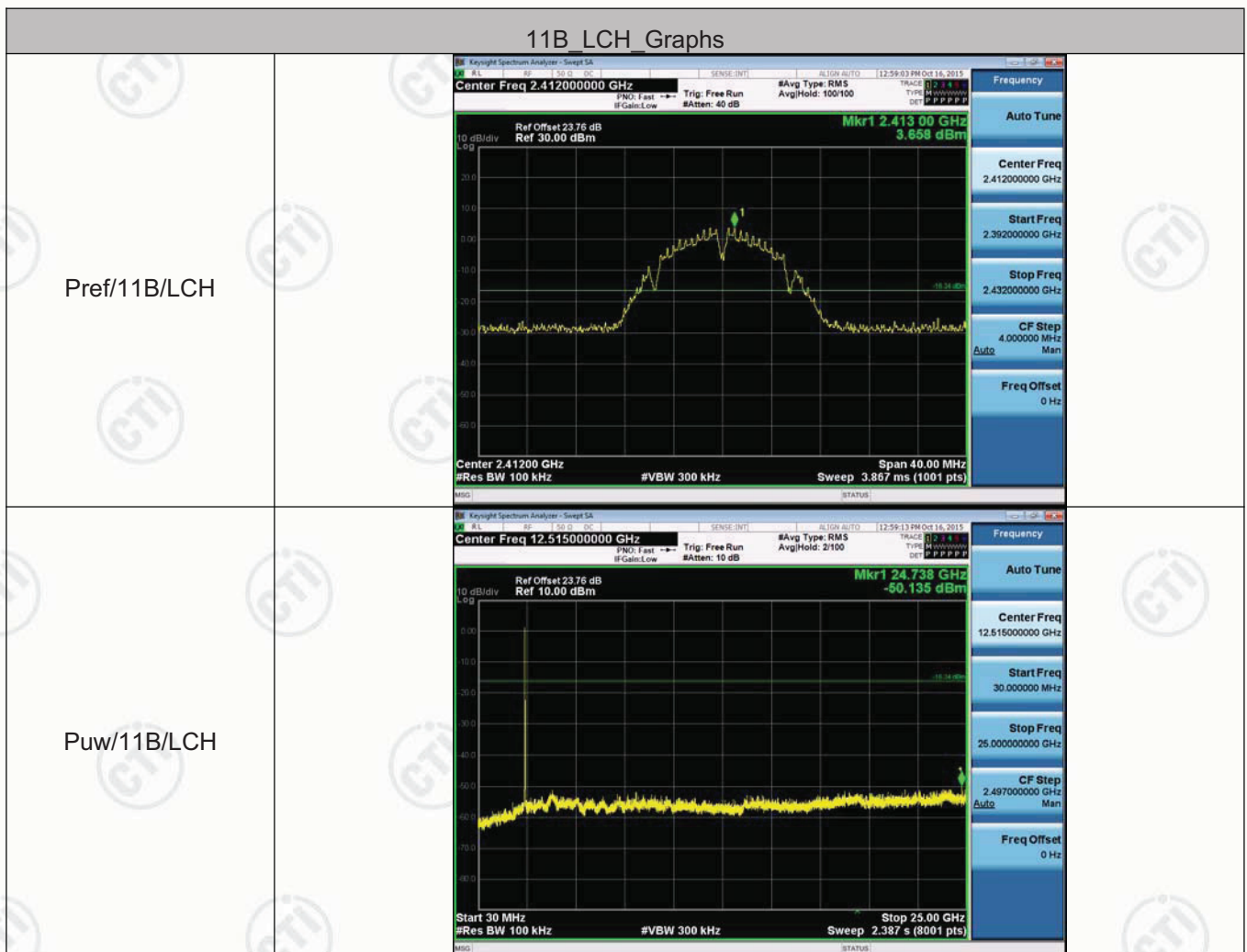


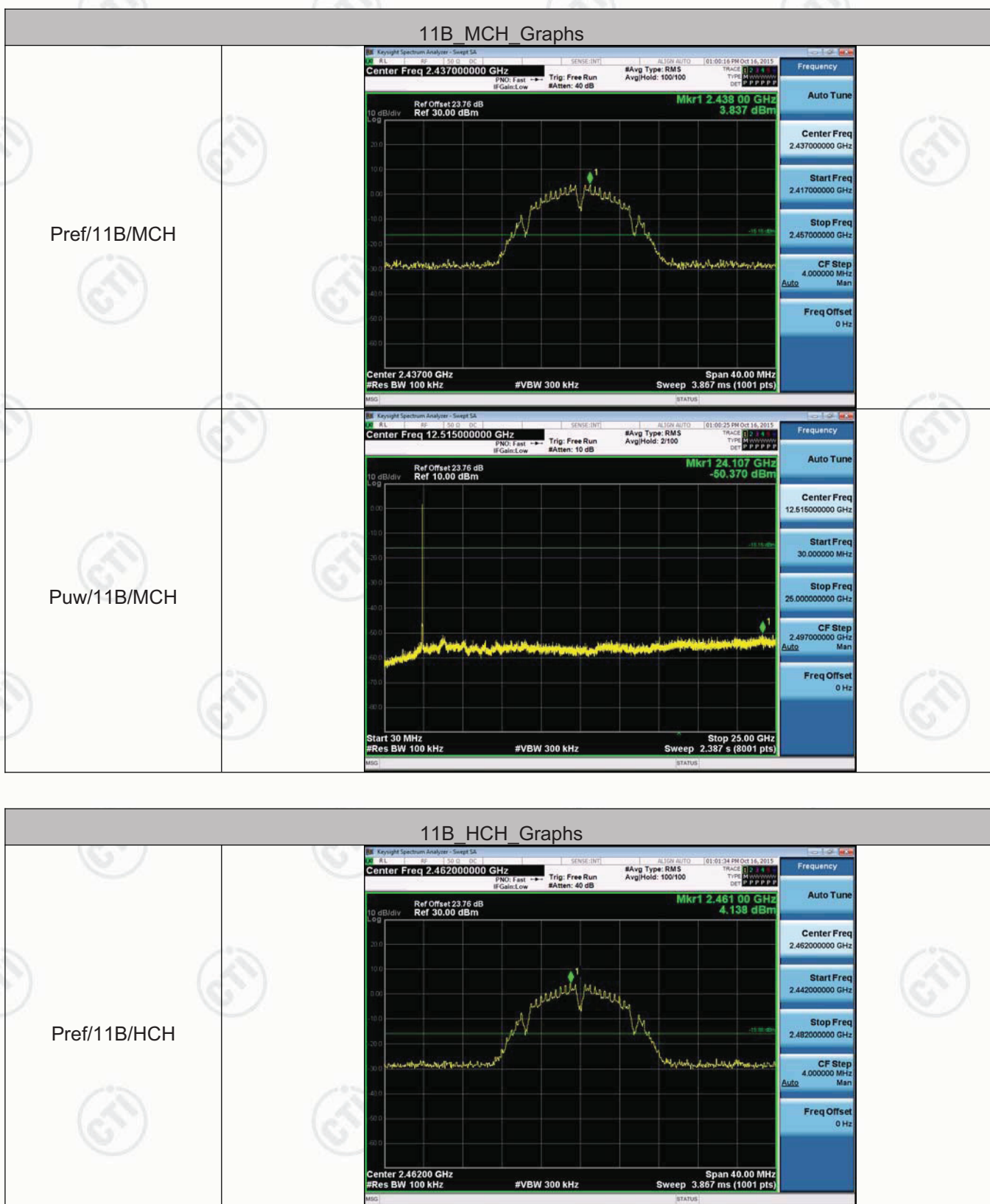
Appendix D) RF Conducted Spurious Emissions

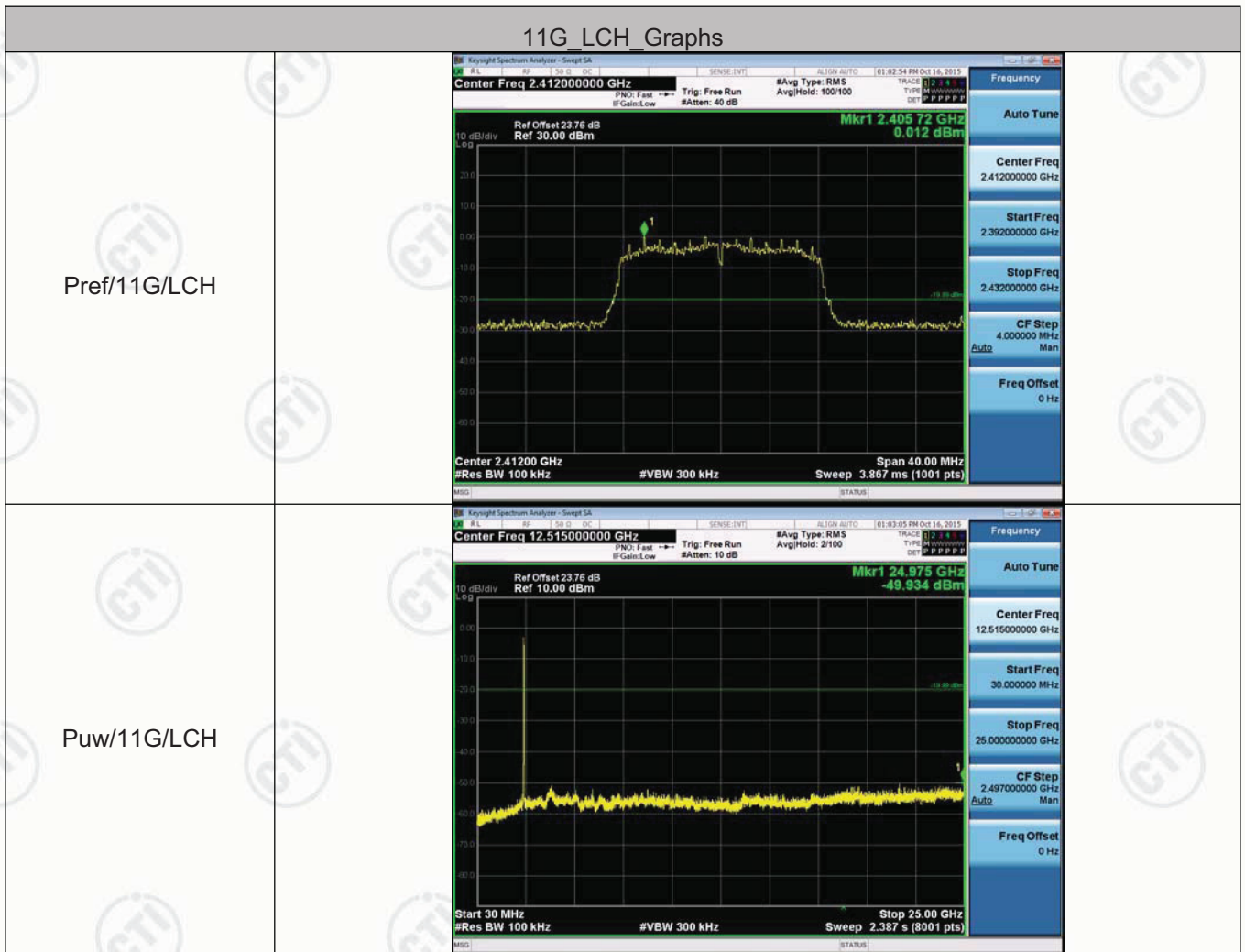
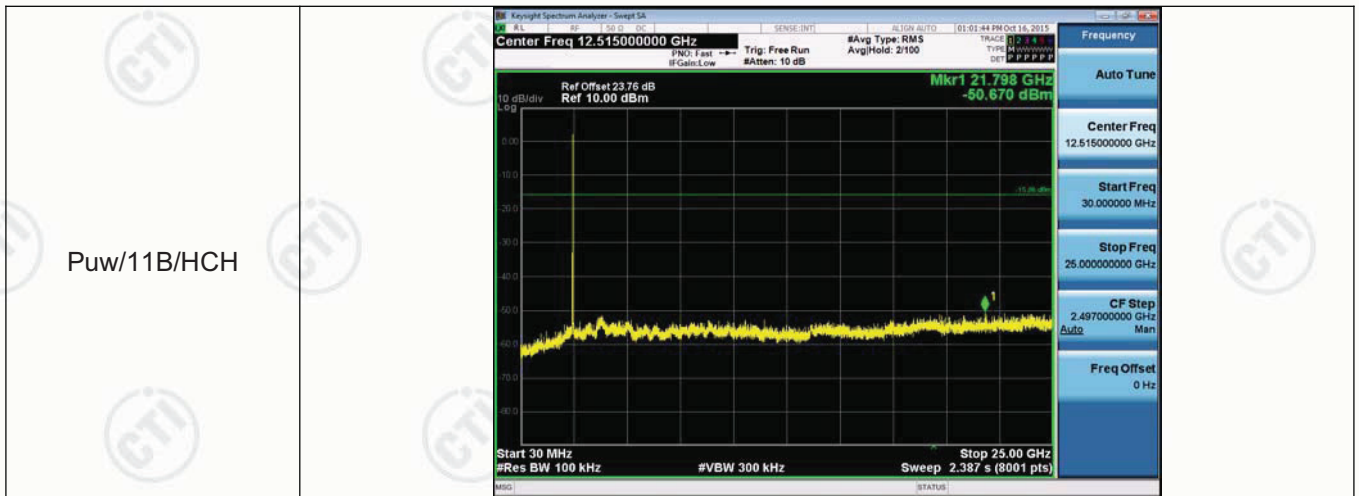
Result Table

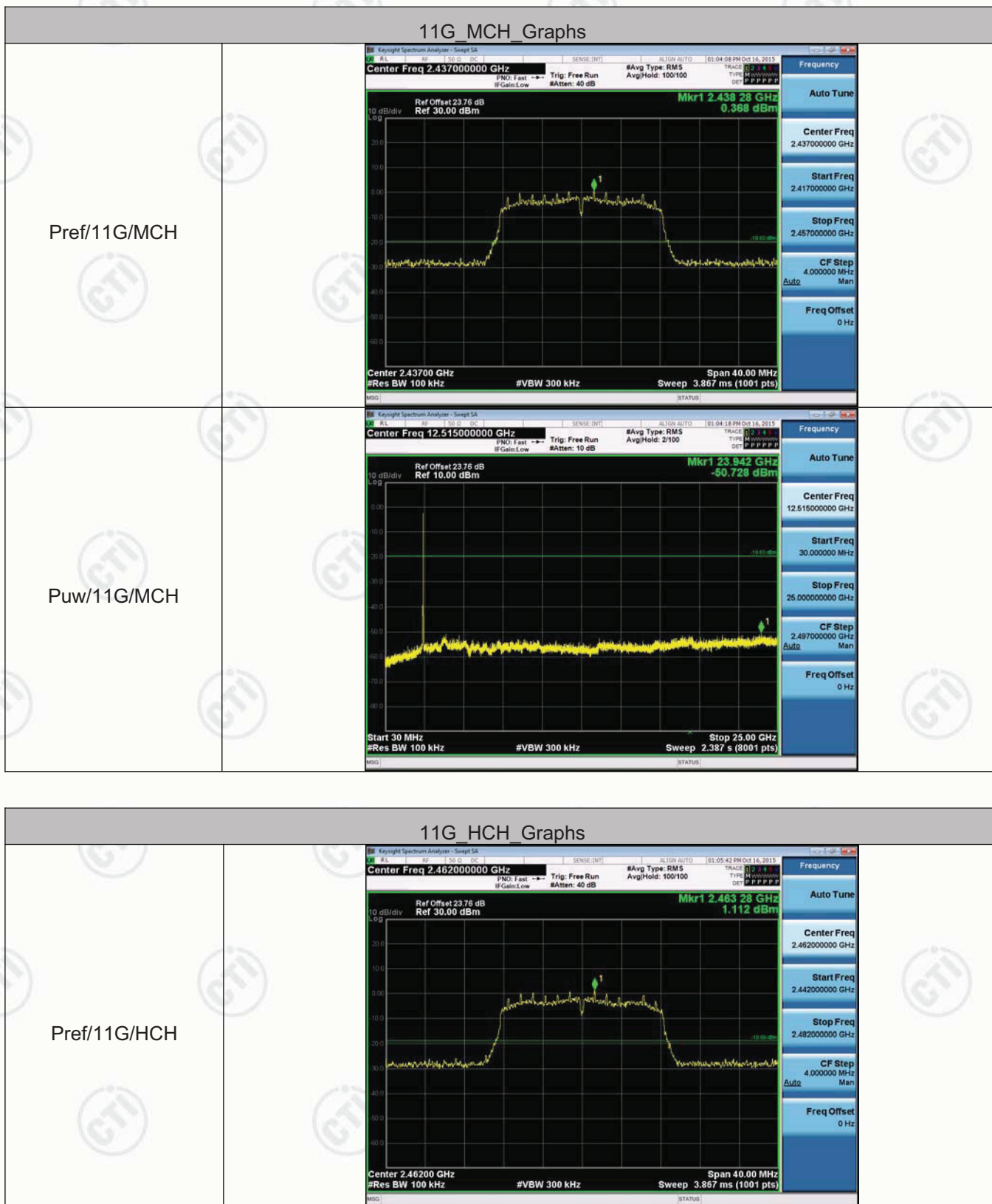
Mode	Channel	Pref [dBm]	Puw[dBm]	Verdict
11B	LCH	3.658	<Limit	PASS
11B	MCH	3.837	<Limit	PASS
11B	HCH	4.138	<Limit	PASS
11G	LCH	0.012	<Limit	PASS
11G	MCH	0.368	<Limit	PASS
11G	HCH	1.112	<Limit	PASS
11N20SISO	LCH	0.129	<Limit	PASS
11N20SISO	MCH	-0.636	<Limit	PASS
11N20SISO	HCH	-0.251	<Limit	PASS

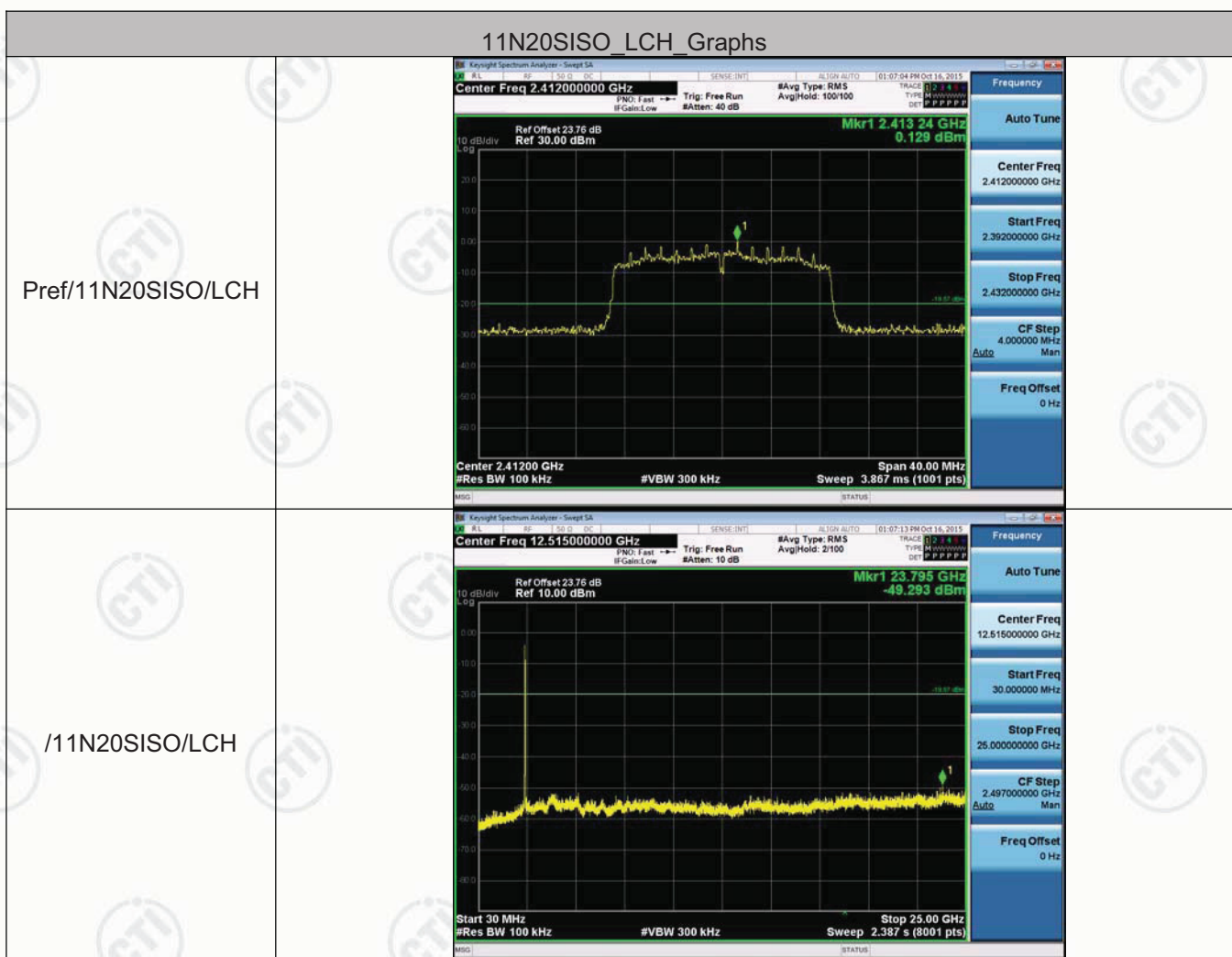
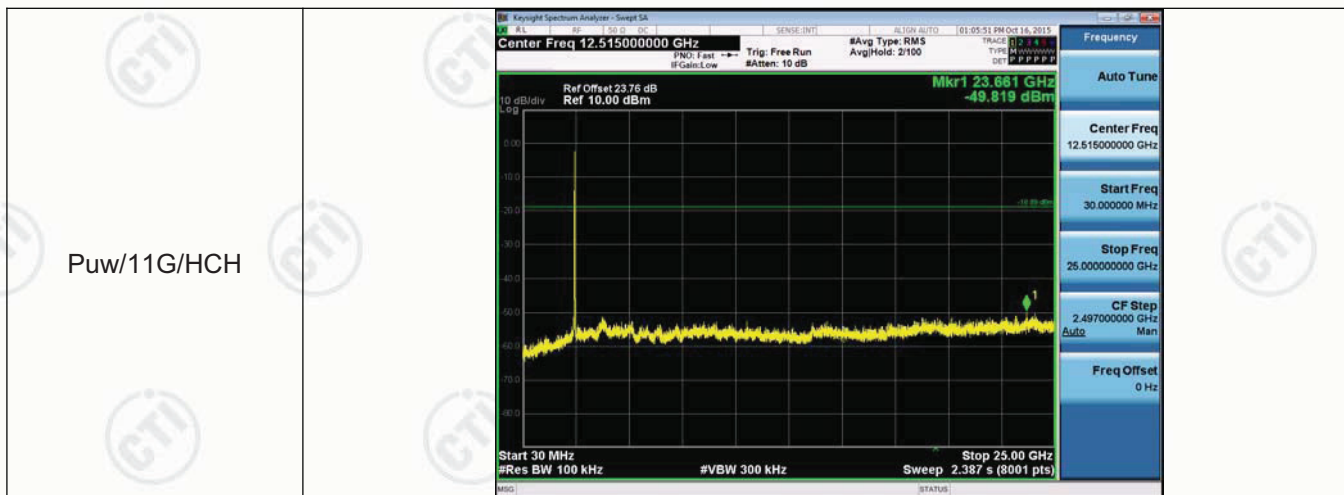
Test Graph

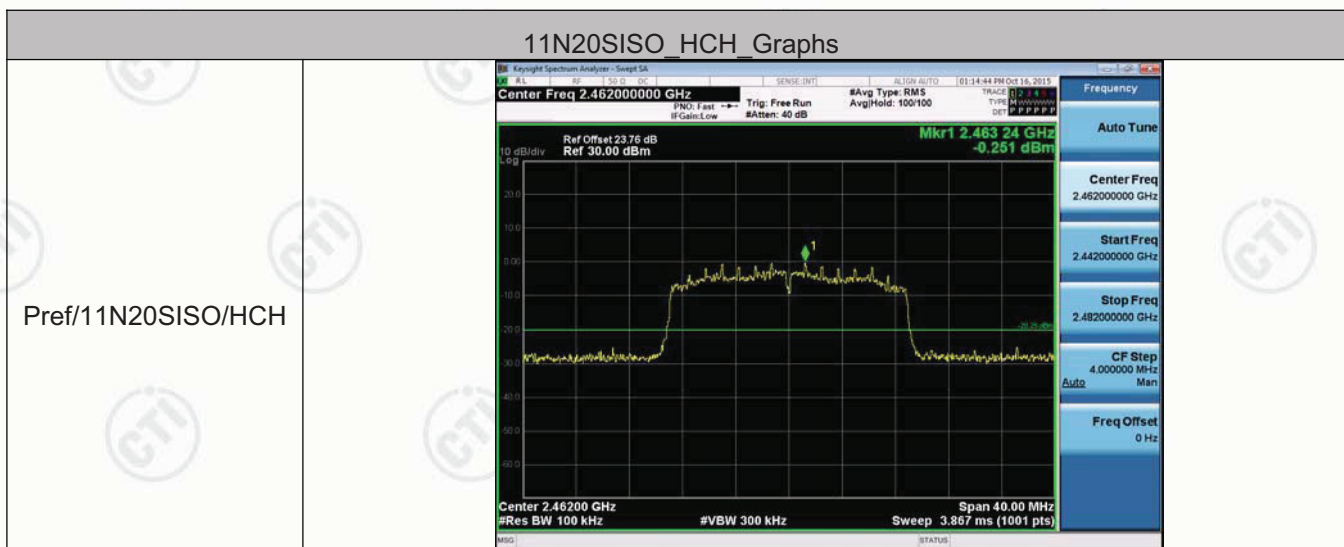
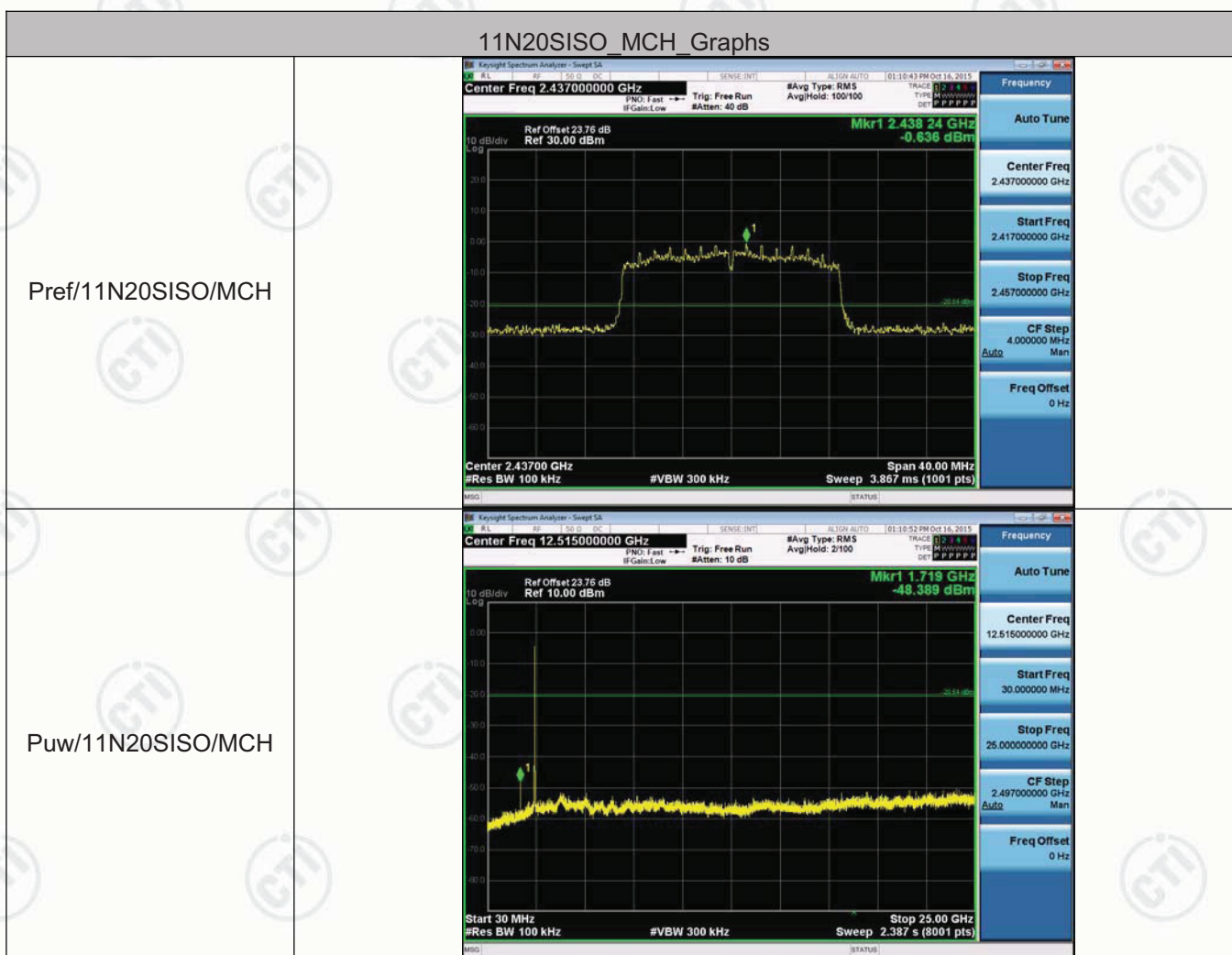




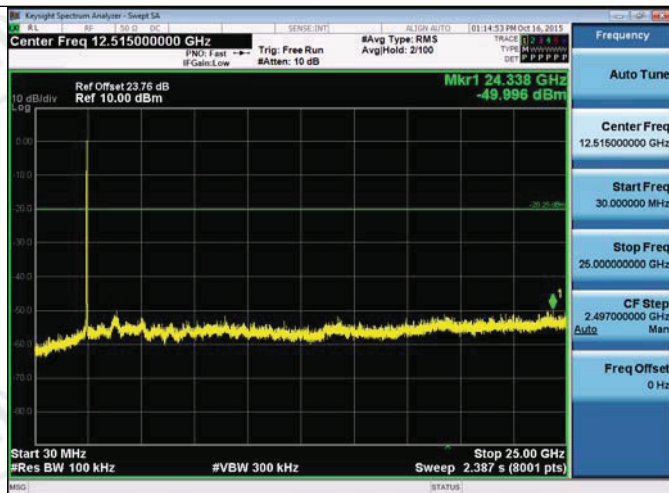








Puw/11N20SISO/HCH



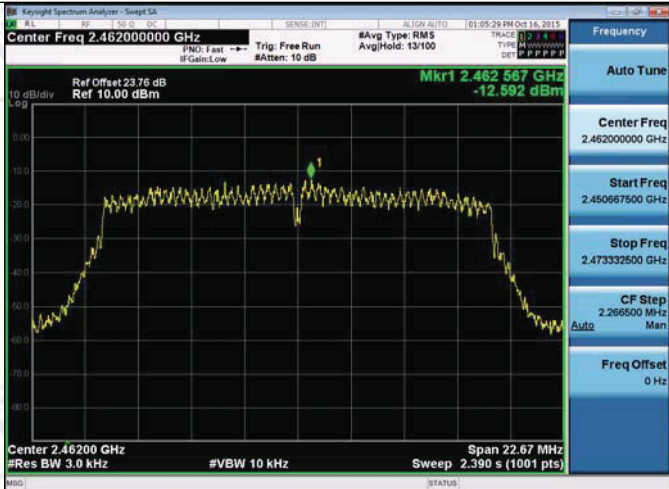
Appendix E) Power Spectral Density Result Table

Mode	Channel	Power Spectral Density [dBm]	Verdict
11B	LCH	-9.121	PASS
11B	MCH	-8.680	PASS
11B	HCH	-8.838	PASS
11G	LCH	-12.922	PASS
11G	MCH	-12.680	PASS
11G	HCH	-12.592	PASS
11N20SISO	LCH	-13.937	PASS
11N20SISO	MCH	-14.367	PASS
11N20SISO	HCH	-13.492	PASS

Test Graph



11B/HCH	
11G/LCH	
11G/MCH	

11G/HCH	
11N20SISO/LCH	
11N20SISO/MCH	