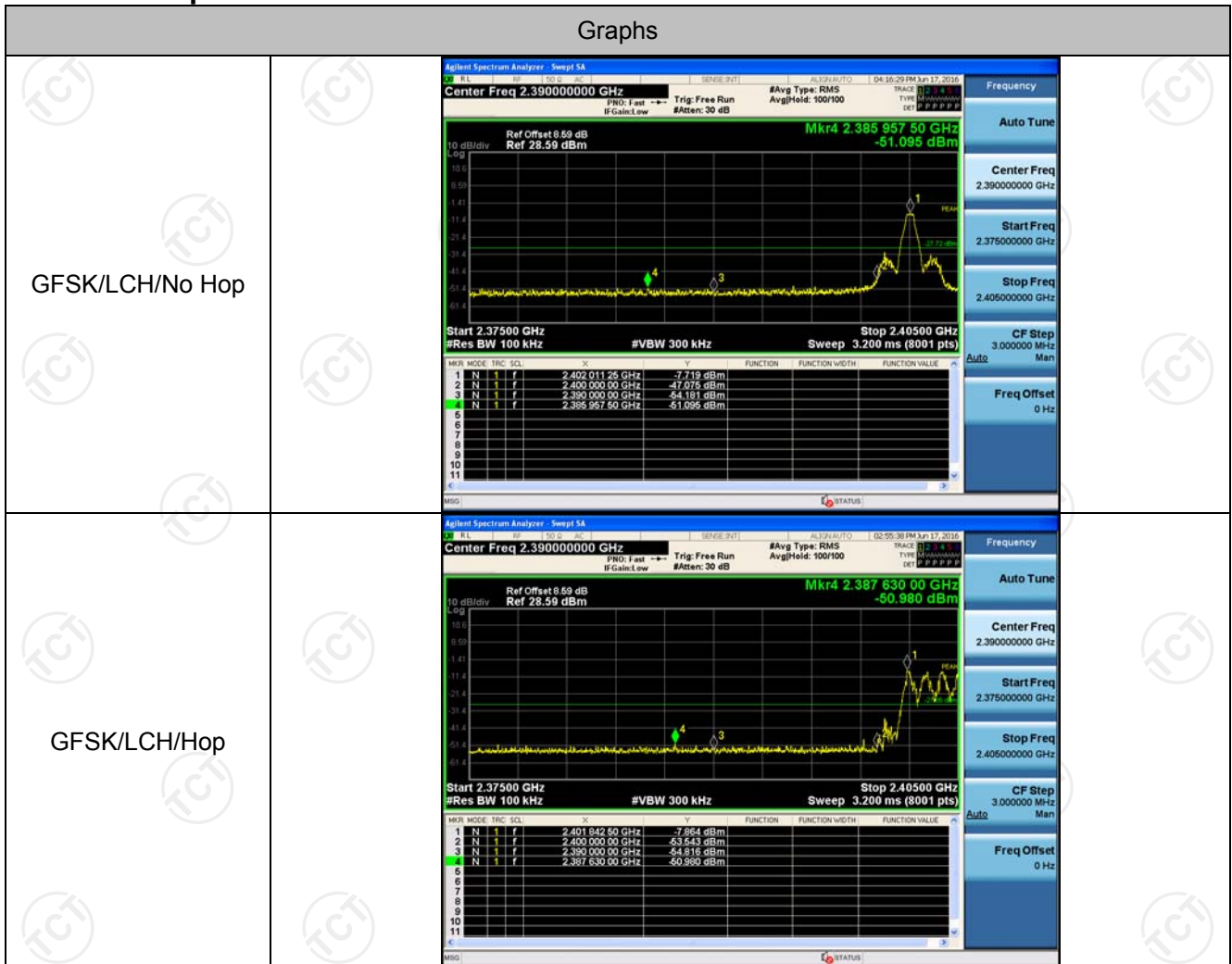


Band-edge for RF Conducted Emissions


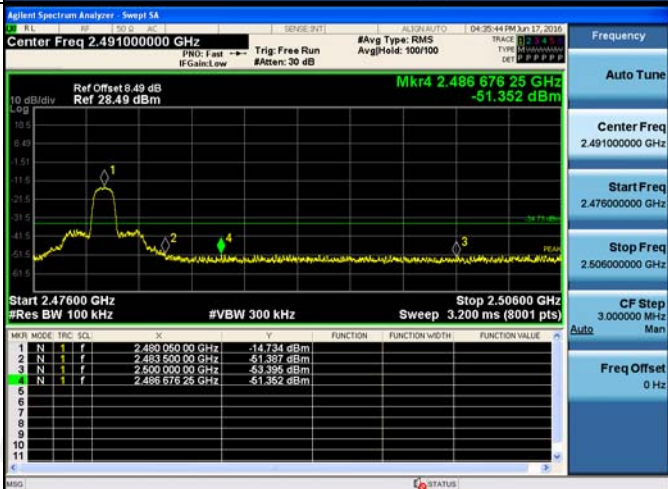
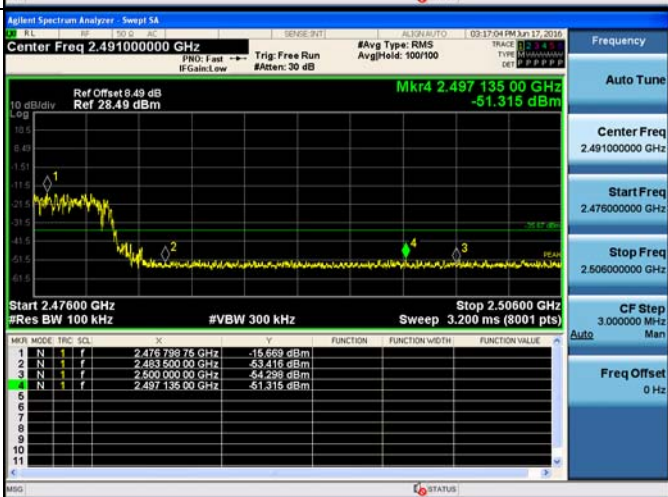
Result Table

Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	2402	-7.719	Off	-51.095	-27.72	PASS
			-7.864	On	-50.980	-27.86	PASS
GFSK	HCH	2480	-9.045	Off	-50.689	-29.05	PASS
			-9.761	On	-50.762	-29.76	PASS
$\pi/4$ DQPSK	LCH	2402	-13.476	Off	-51.103	-33.48	PASS
			-14.476	On	-51.165	-34.48	PASS
$\pi/4$ DQPSK	HCH	2480	-14.734	Off	-51.352	-34.73	PASS
			-15.669	On	-51.315	-35.67	PASS
8DPSK	LCH	2402	-13.080	Off	-51.229	-33.08	PASS
			-9.570	On	-51.209	-29.57	PASS
8DPSK	HCH	2480	-14.568	Off	-48.130	-34.57	PASS
			-10.733	On	-51.072	-30.73	PASS

Test Graph



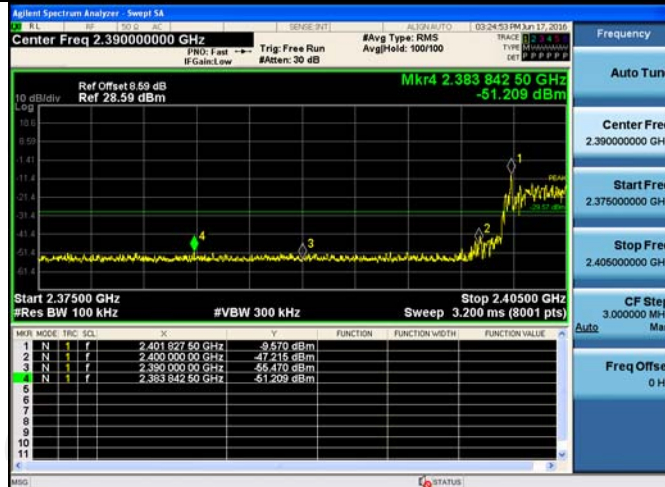
<p>GFSK/HCH/No Hop</p>	<p>Agilent Spectrum Analyzer - Sweep SA Center Freq 2.491000000 GHz Ref Offset 8.49 dB Ref 28.49 dBm Mkr4 2.49089875 GHz -50.689 dBm Start 2.47600 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.200 ms (8001 pts)</p> <table border="1"> <thead> <tr> <th>MNR</th> <th>MODE</th> <th>TRIG</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td>1</td> <td>f</td> <td>2.47985875 GHz</td> <td>-9.045 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>1</td> <td>f</td> <td>2.48350000 GHz</td> <td>-53.810 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>1</td> <td>f</td> <td>2.50000000 GHz</td> <td>-53.693 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td>1</td> <td>f</td> <td>2.49089875 GHz</td> <td>-50.689 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MNR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.47985875 GHz	-9.045 dBm				2	N	1	f	2.48350000 GHz	-53.810 dBm				3	N	1	f	2.50000000 GHz	-53.693 dBm				4	N	1	f	2.49089875 GHz	-50.689 dBm			
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<p>$\pi/4$DQPSK/LCH/Hop</p>	
<p>$\pi/4$DQPSK/HCH/No Hop</p>	
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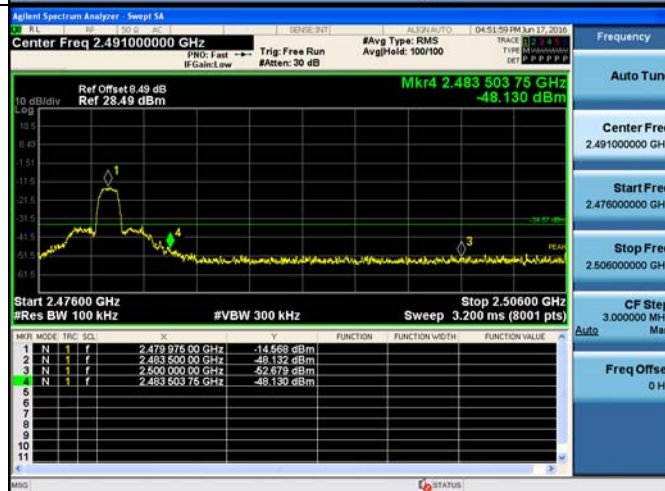
8DPSK/LCH/No Hop



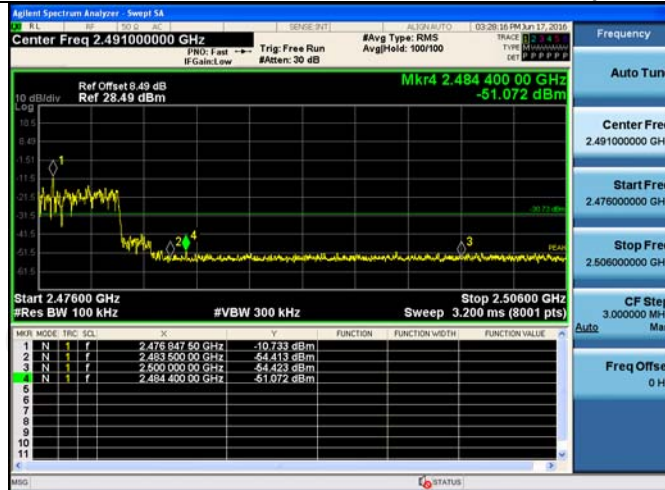
8DPSK/LCH/Hop



8DPSK/HCH/No Hop



8DPSK/HCH/Hop

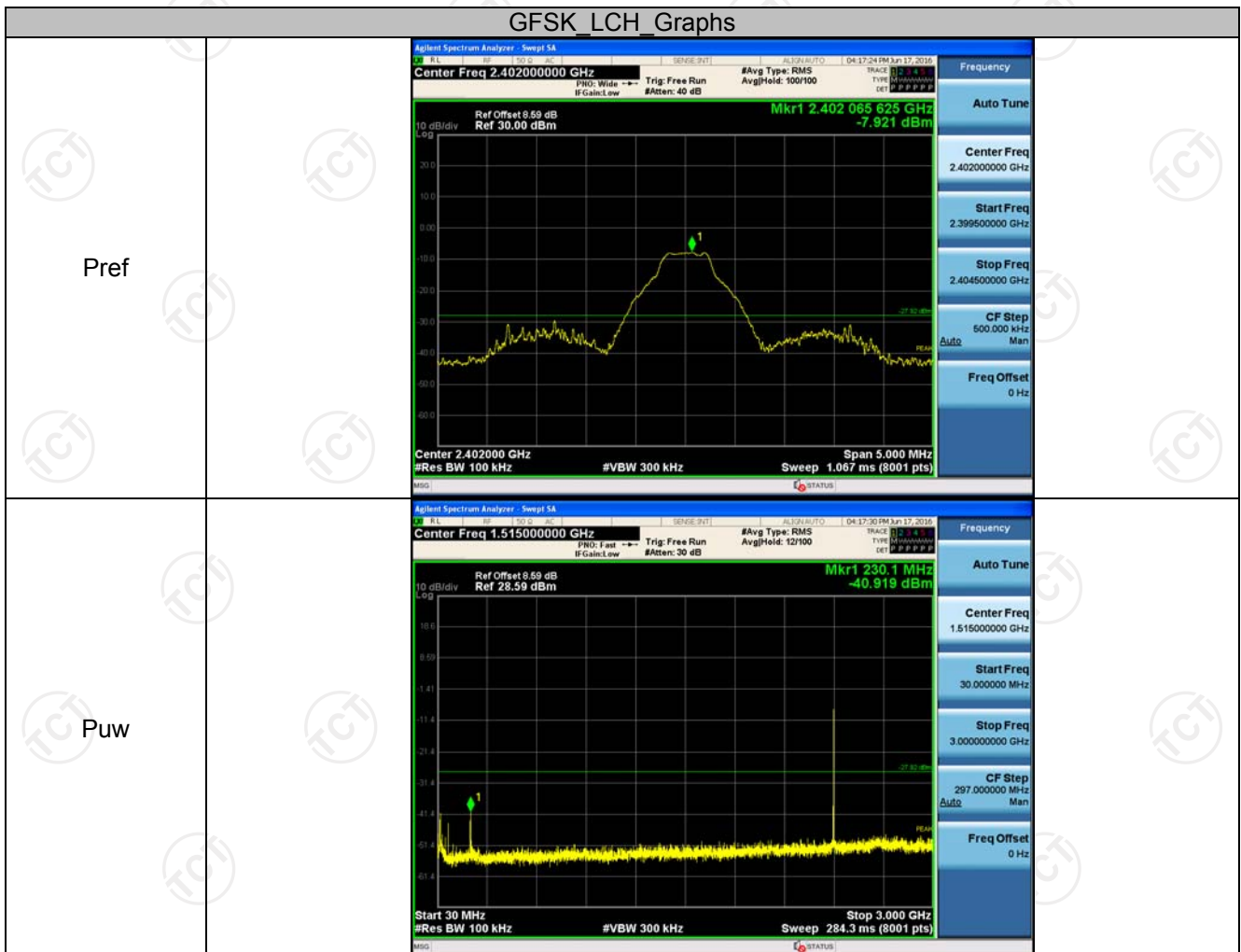


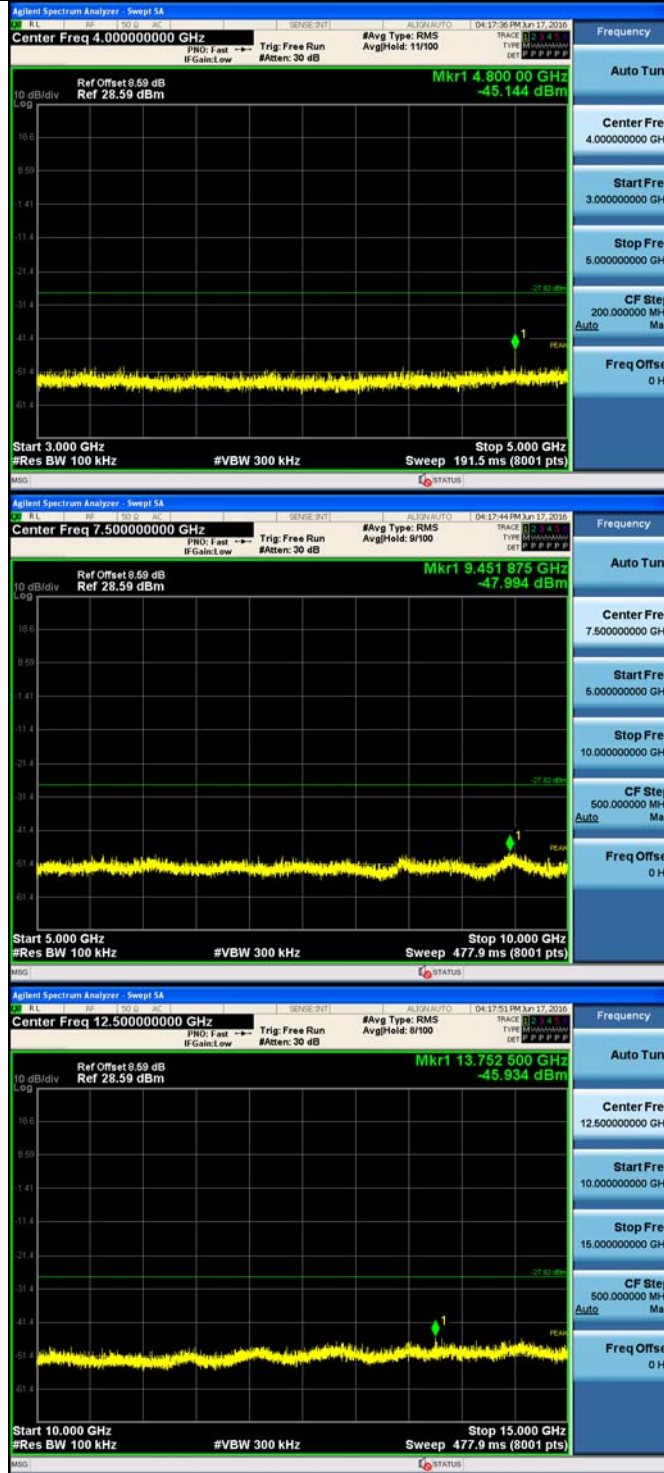
RF Conducted Spurious Emissions

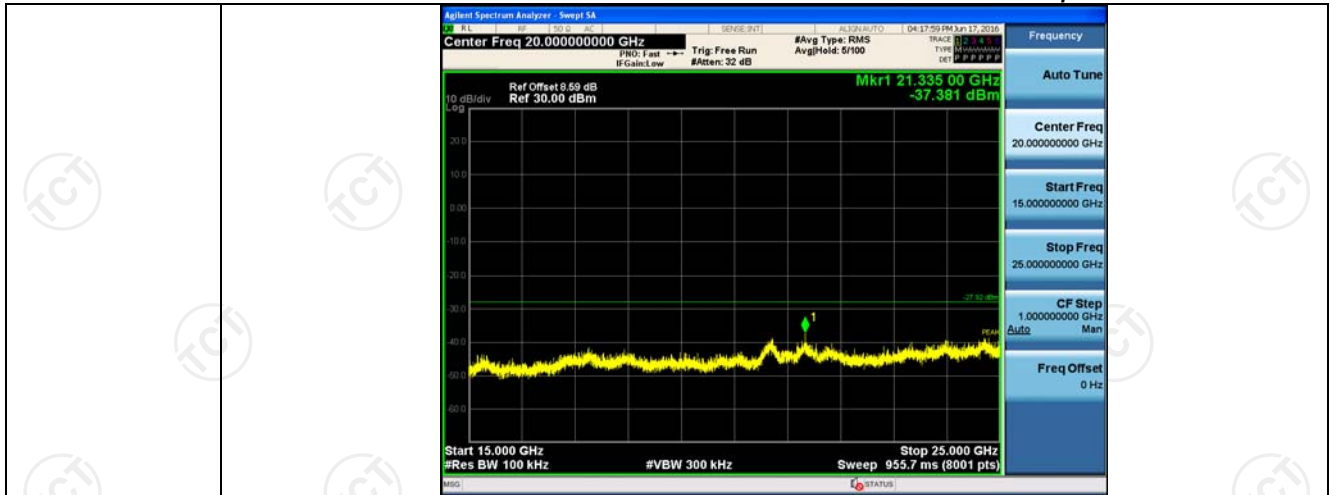
Result Table

Mode	Channel	Pref [dBm]	Puw[dBm]	Verdict
GFSK	LCH	-7.921	<Limit	PASS
GFSK	MCH	-8.885	<Limit	PASS
GFSK	HCH	-9.201	<Limit	PASS
π /4DQPSK	LCH	-13.453	<Limit	PASS
π /4DQPSK	MCH	-14.477	<Limit	PASS
π /4DQPSK	HCH	-14.778	<Limit	PASS
8DPSK	LCH	-13.285	<Limit	PASS
8DPSK	MCH	-14.252	<Limit	PASS
8DPSK	HCH	-14.396	<Limit	PASS

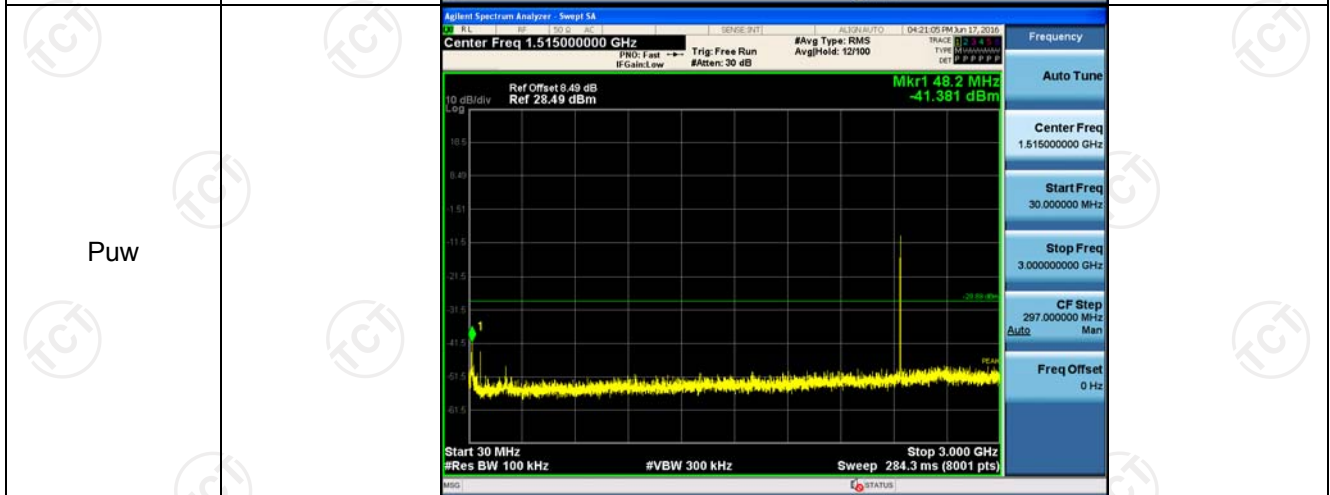
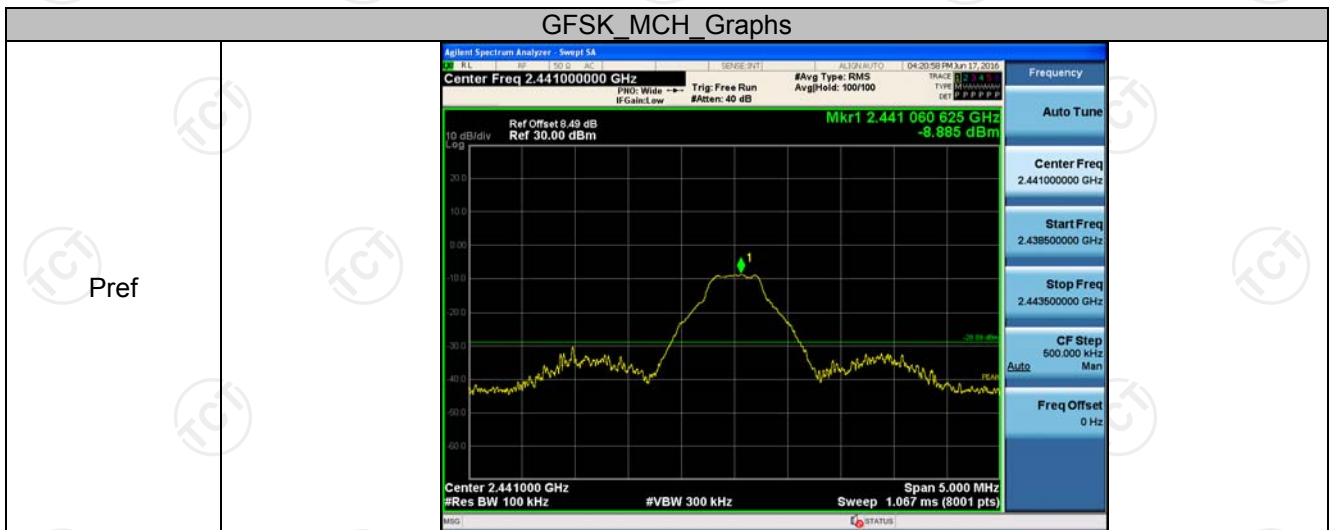
Test Graph

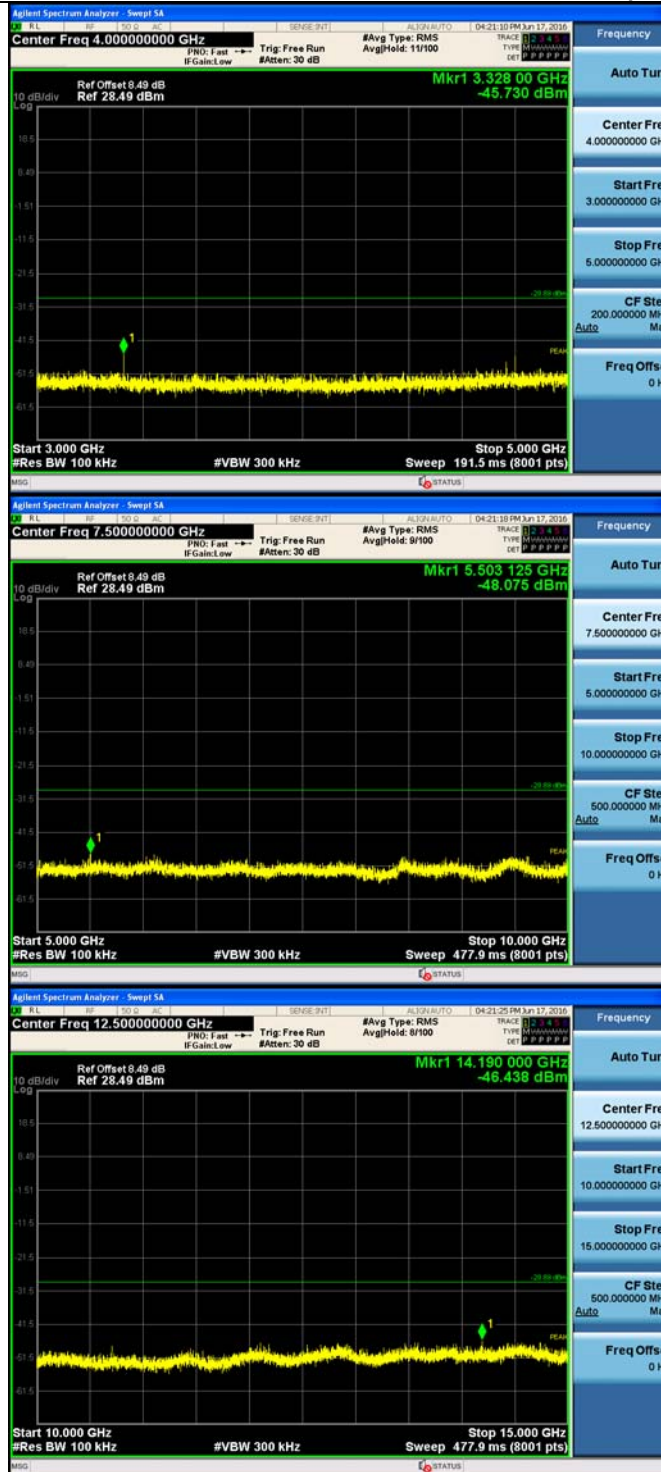


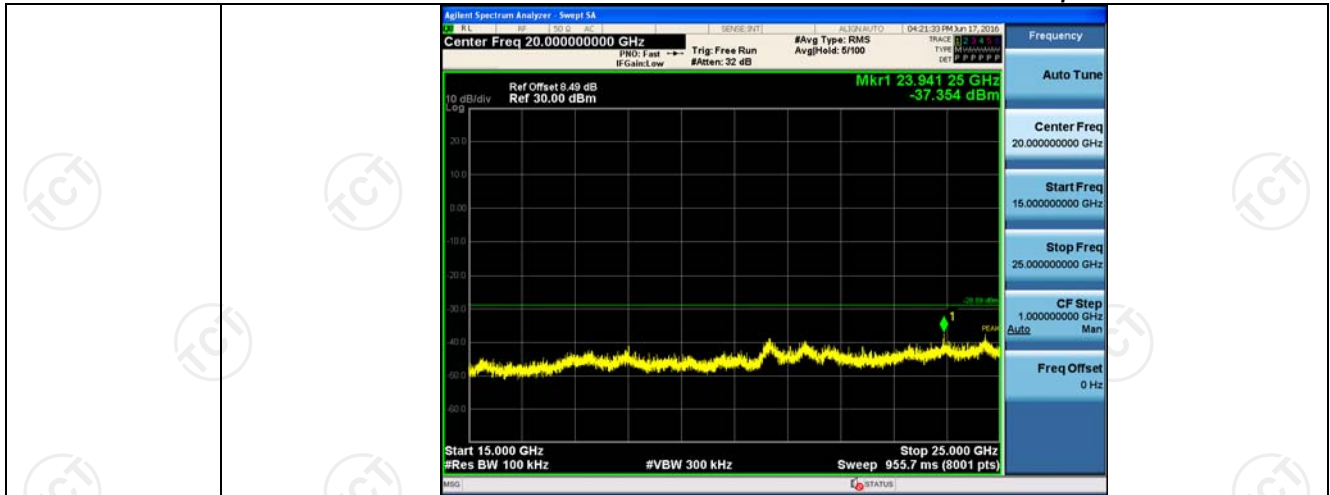




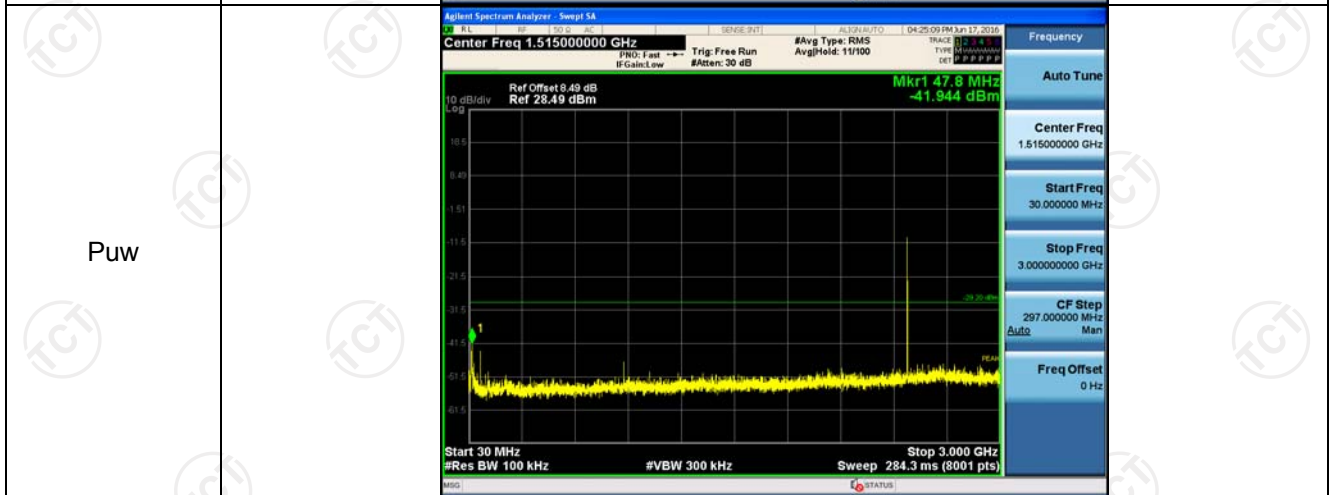
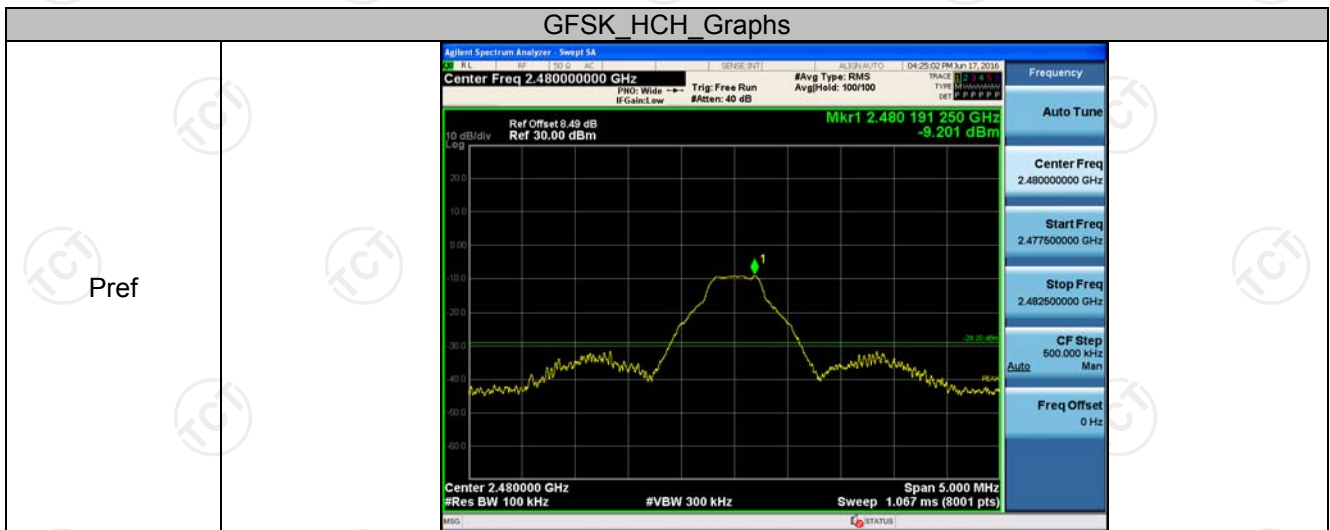
GFSK MCH Graphs

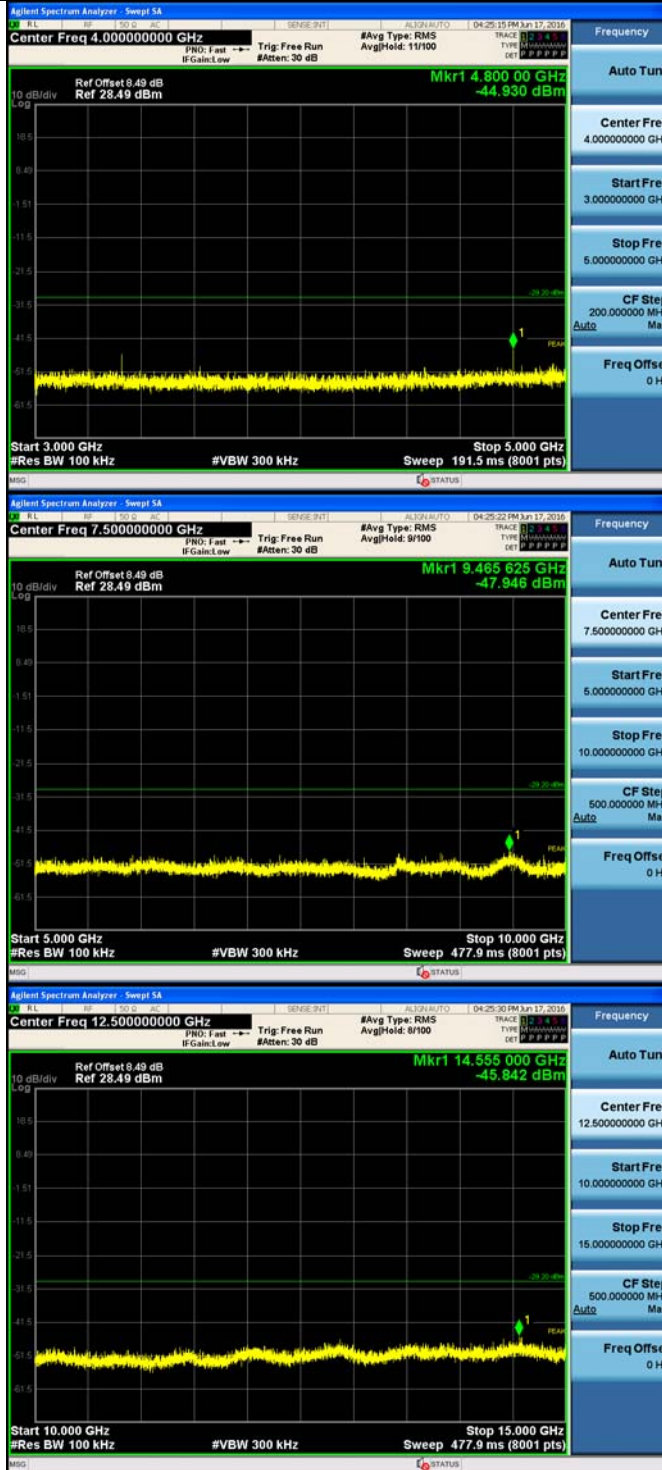


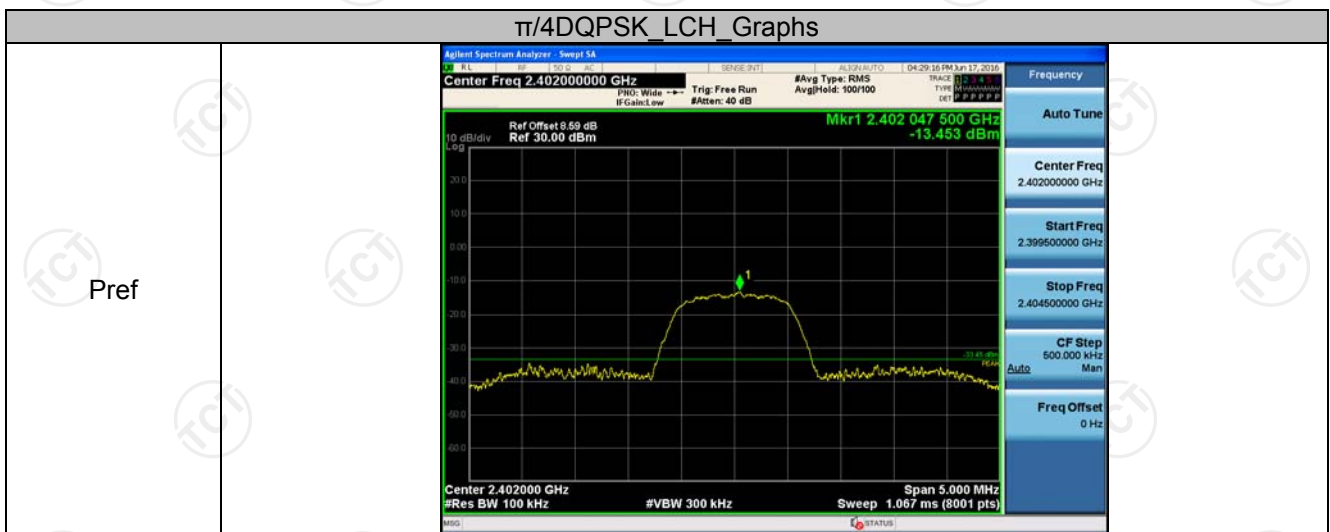
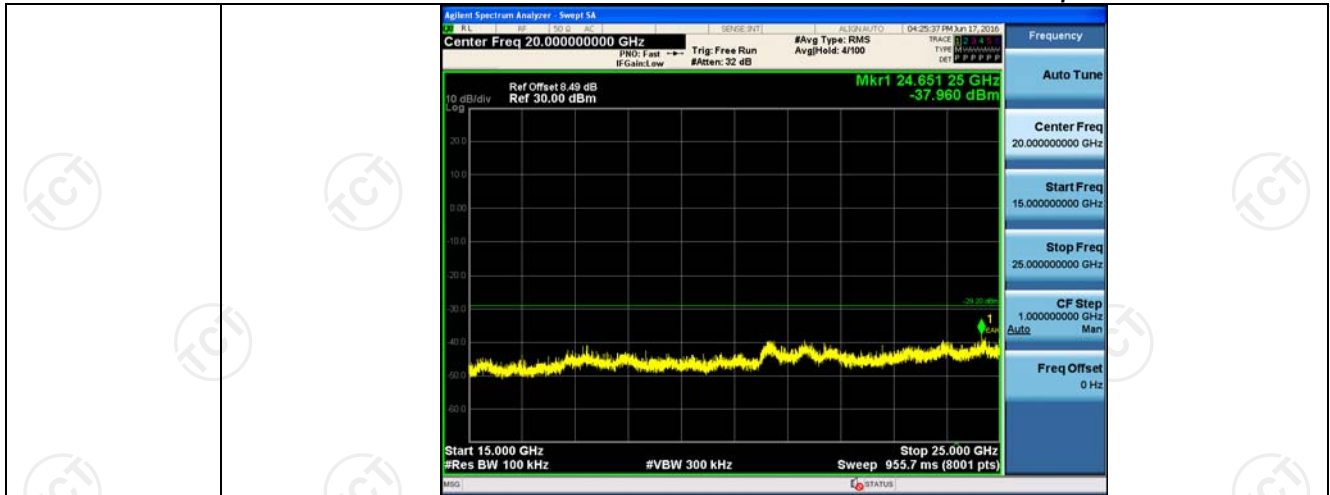




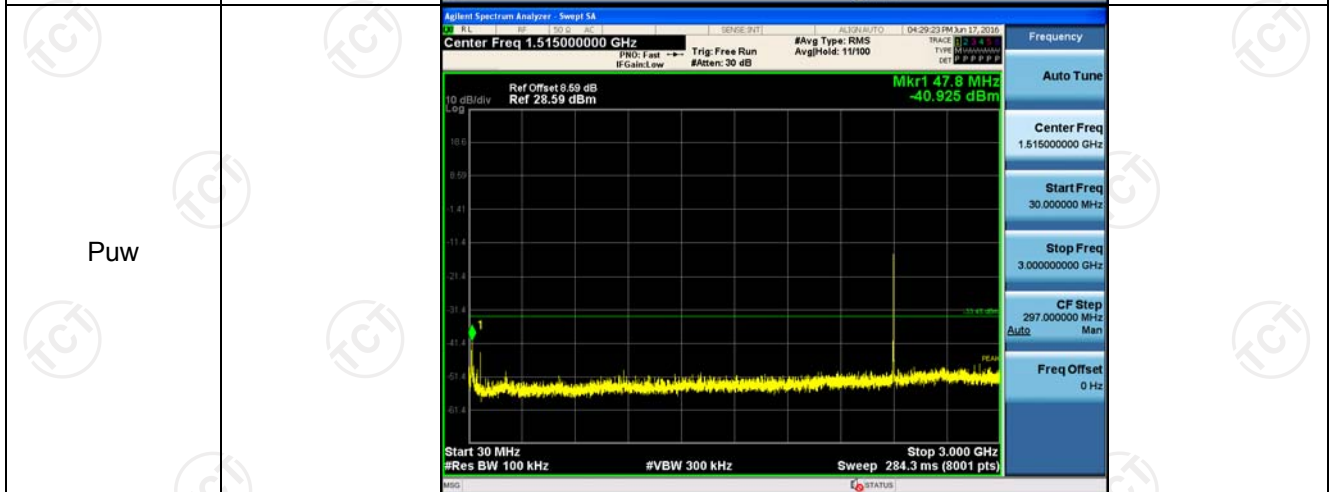
GFSK HCH Graphs



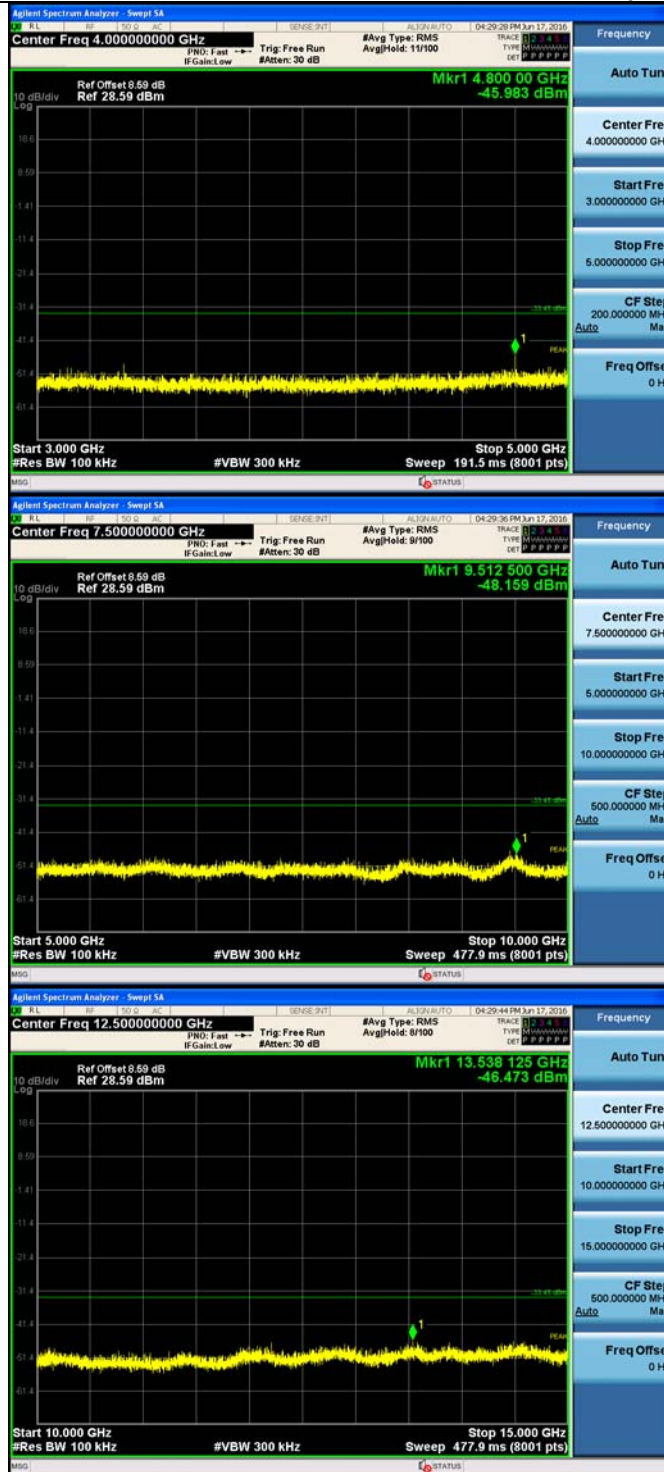


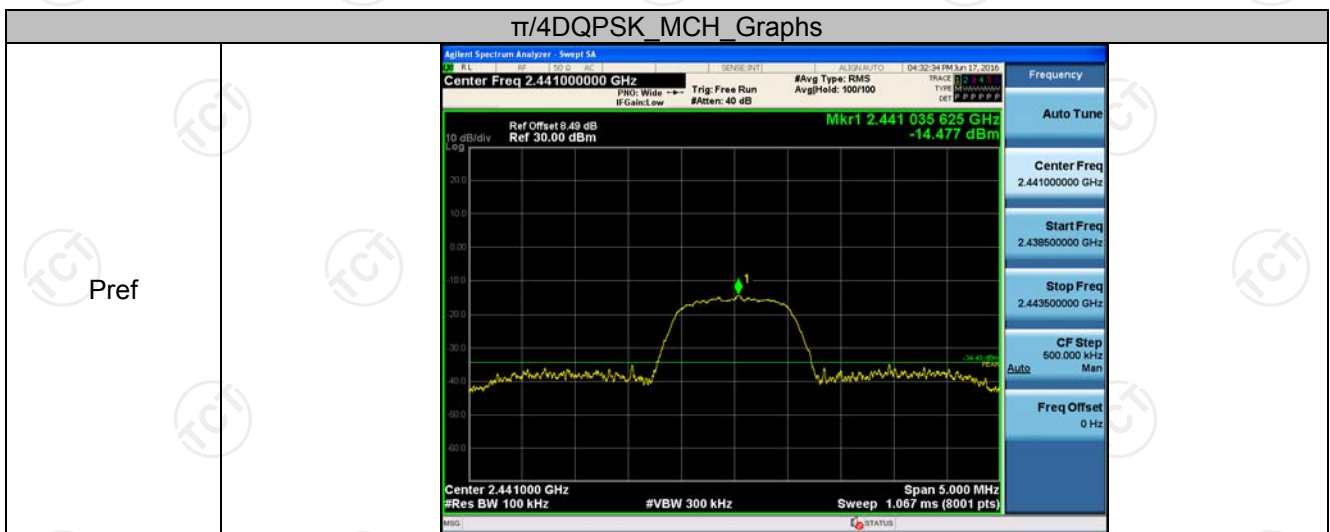
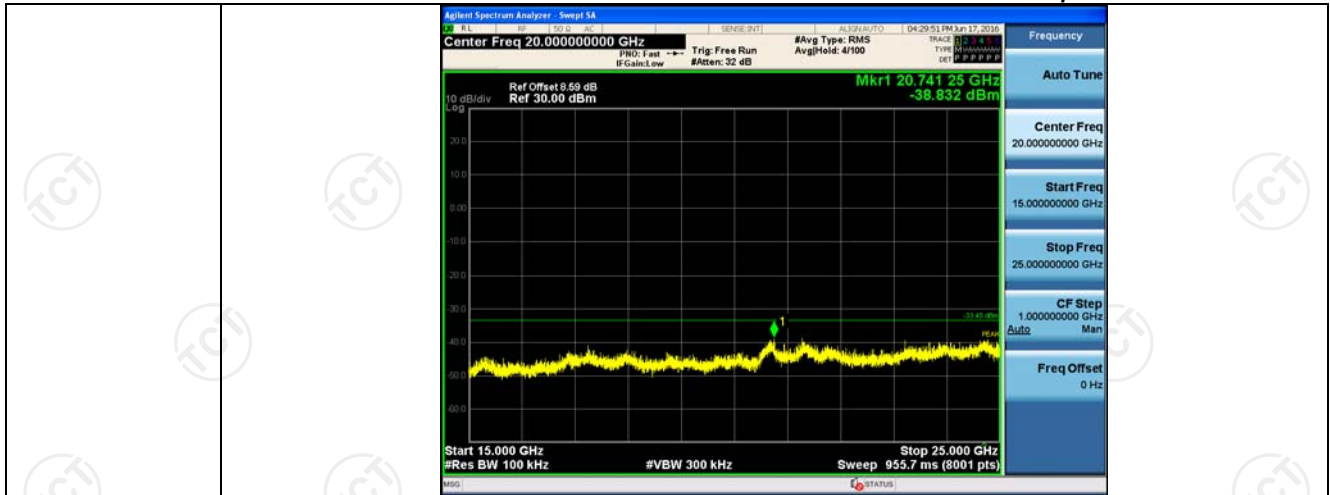


Pref

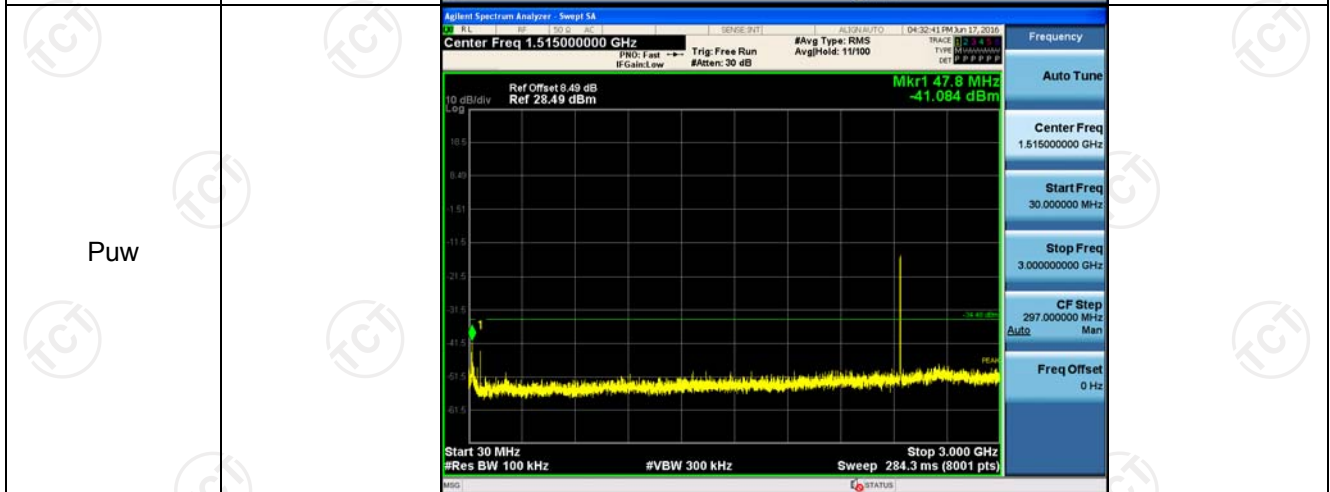


Puw

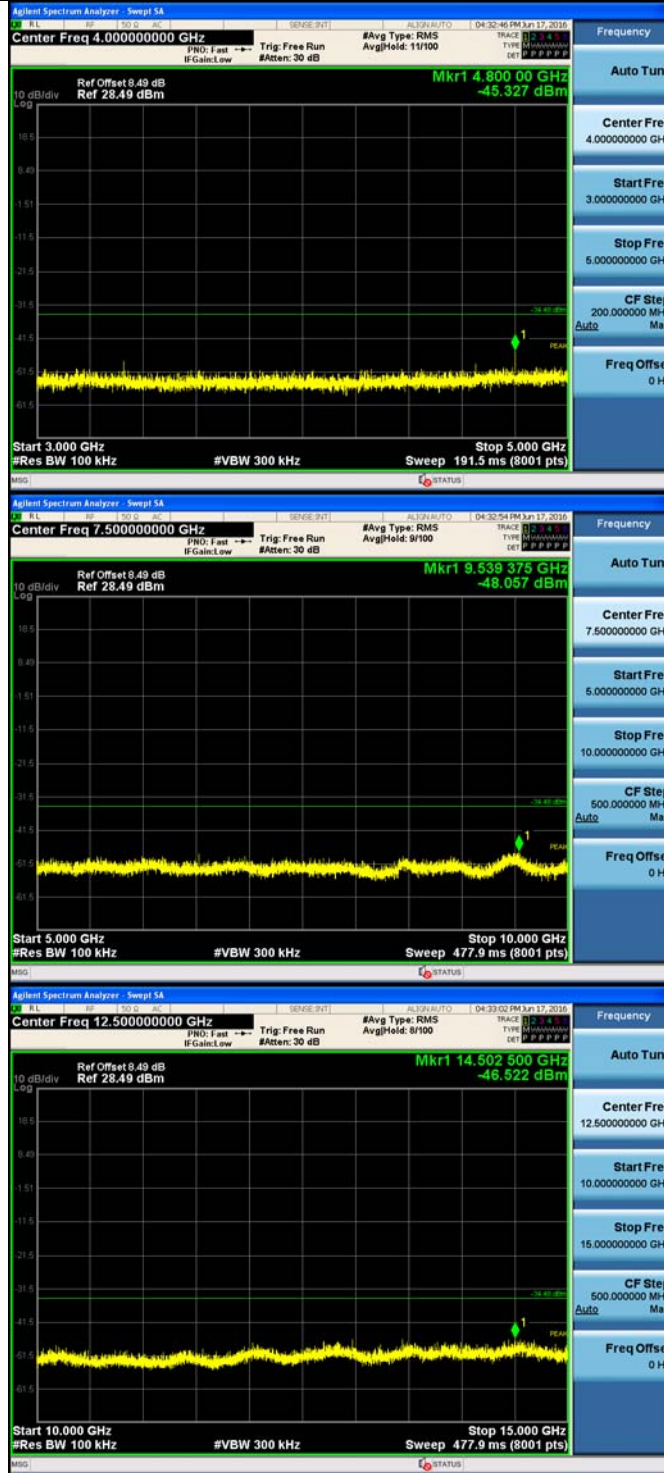


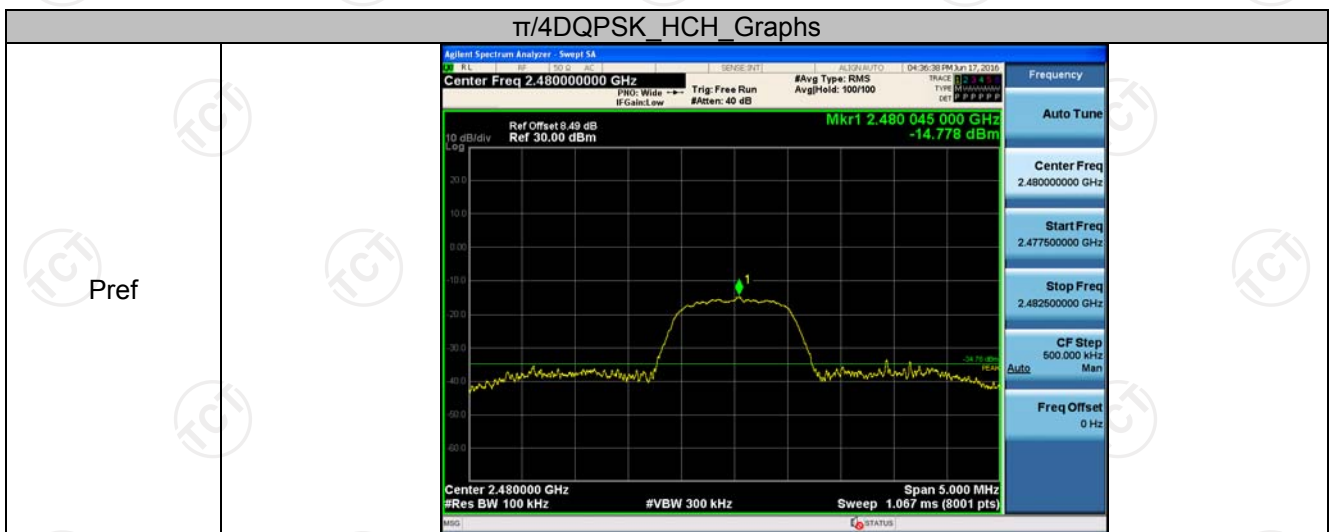
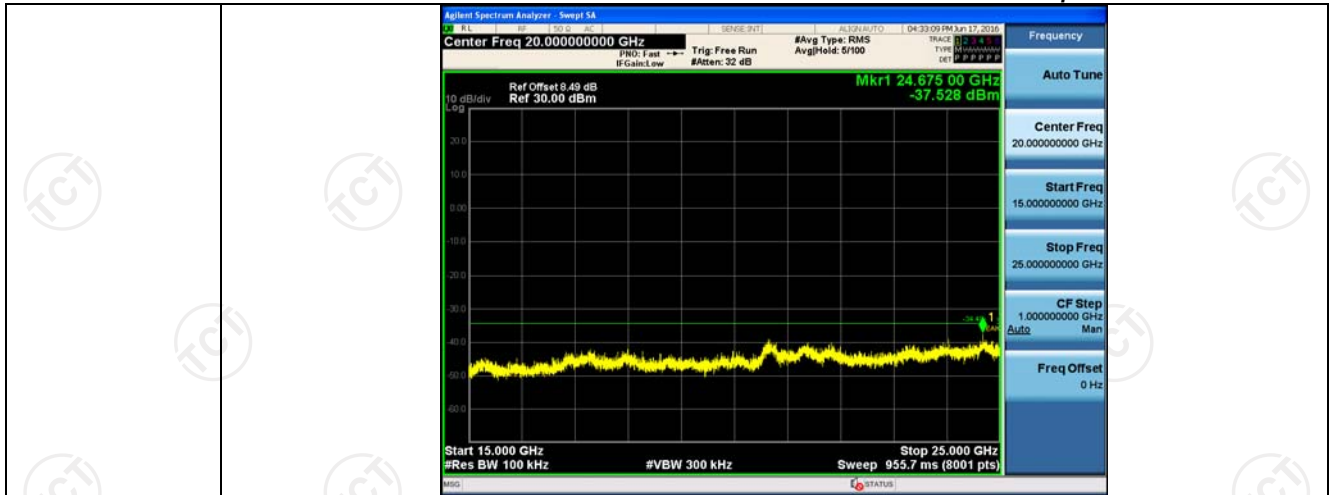


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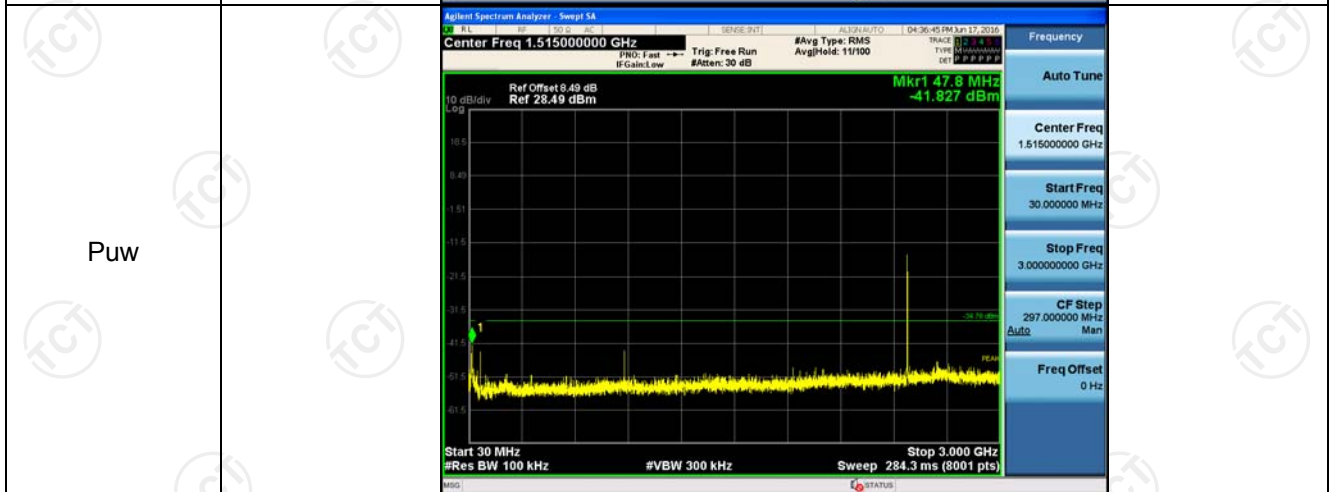


Puw

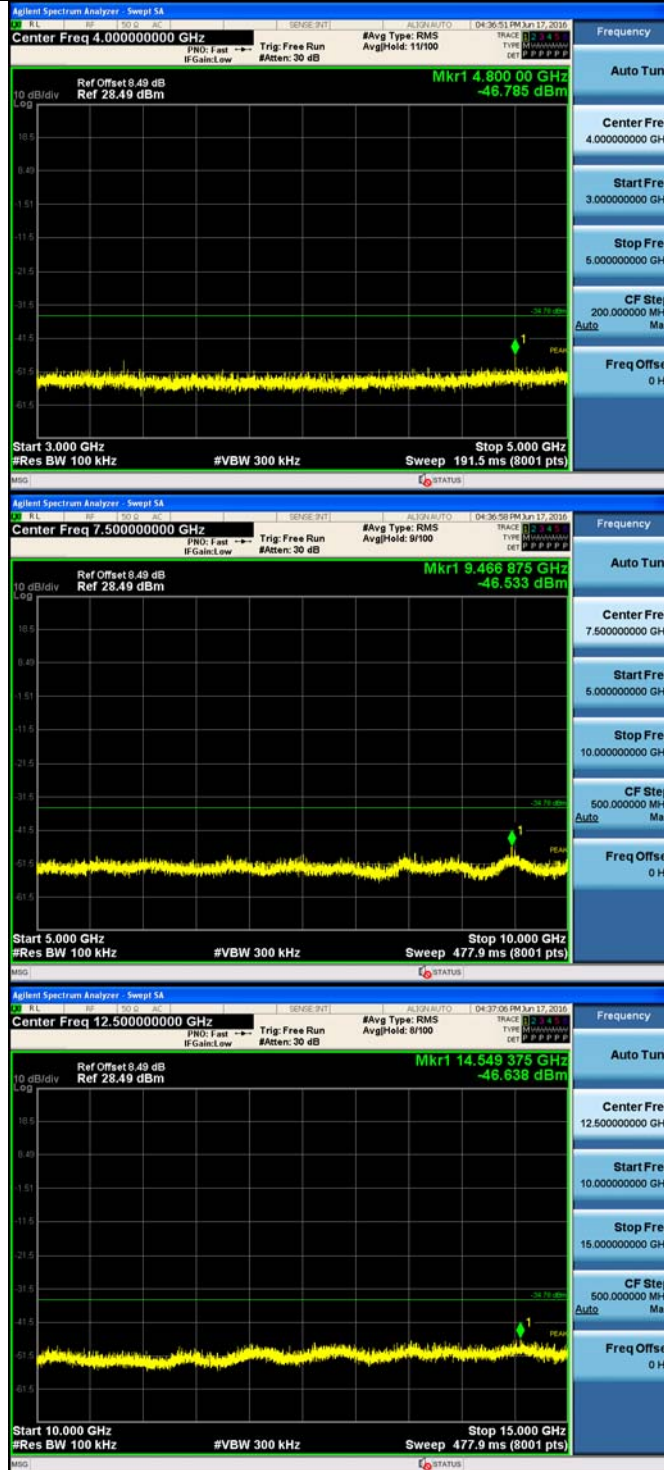


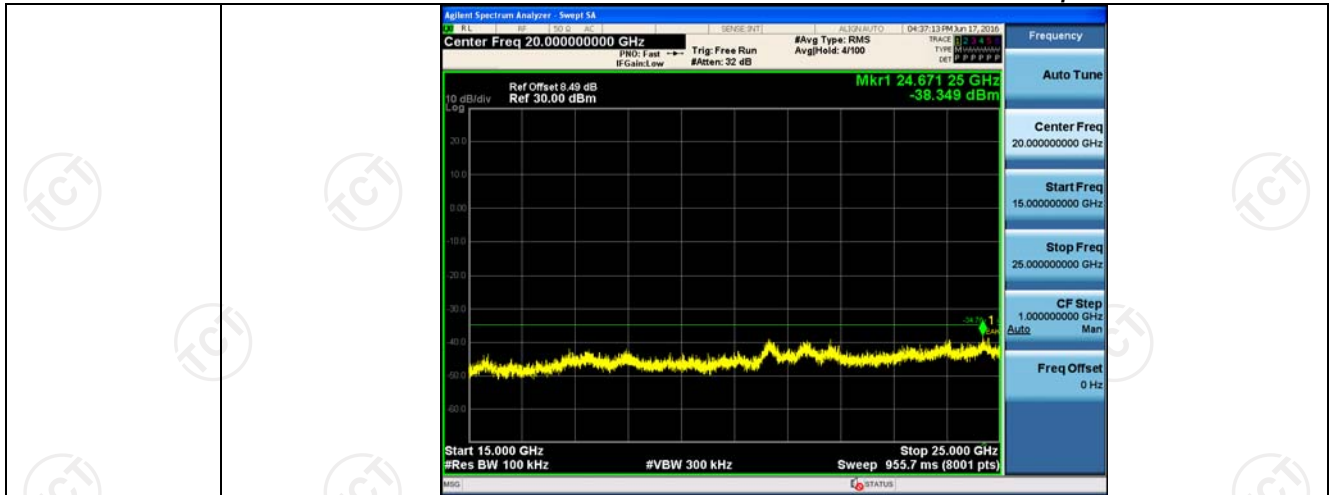


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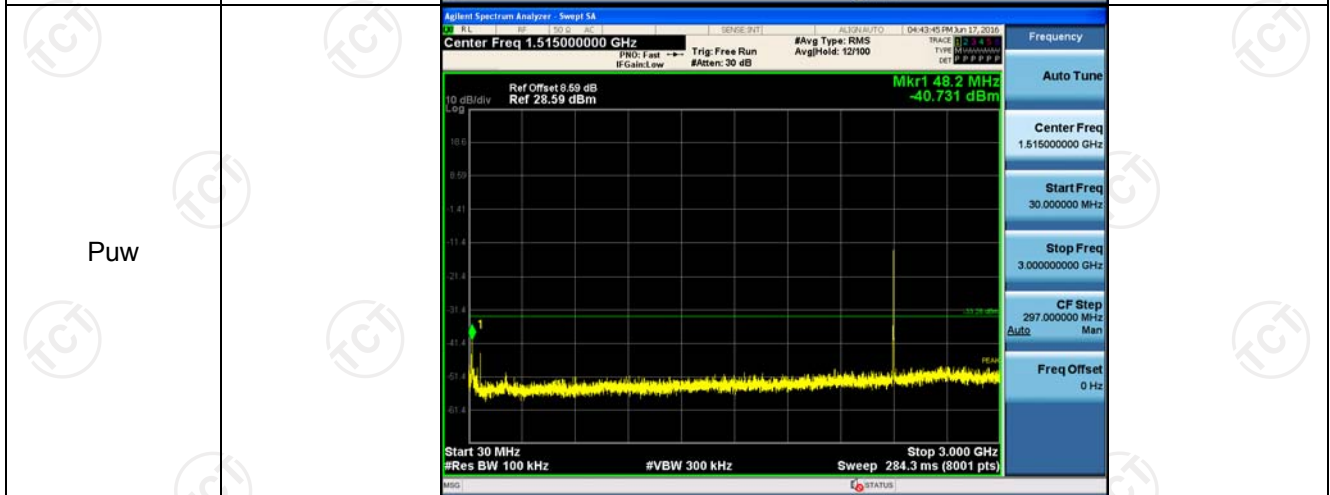
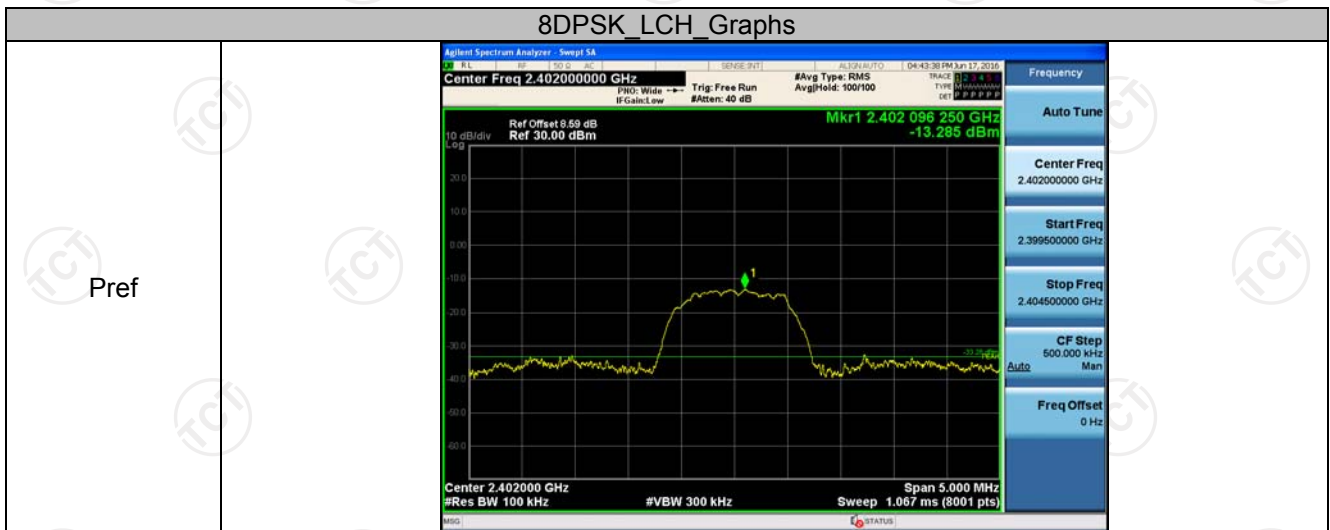


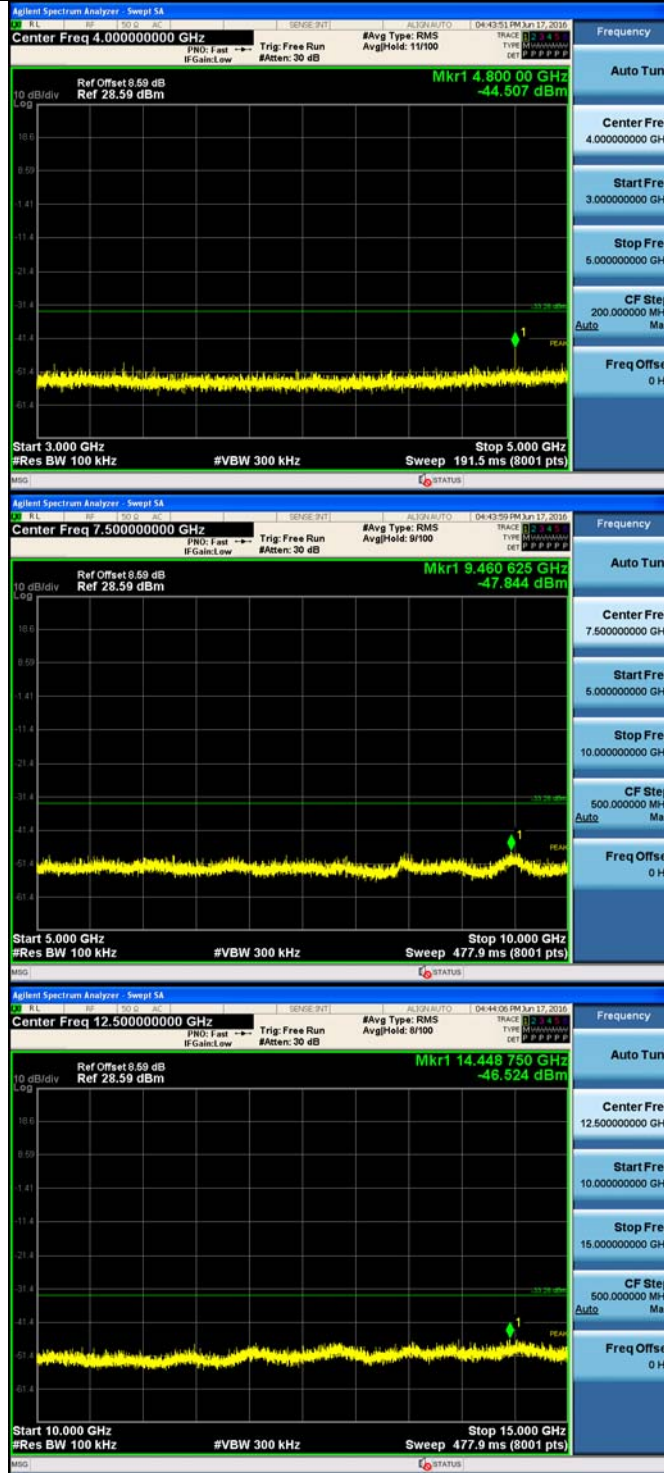
Puw

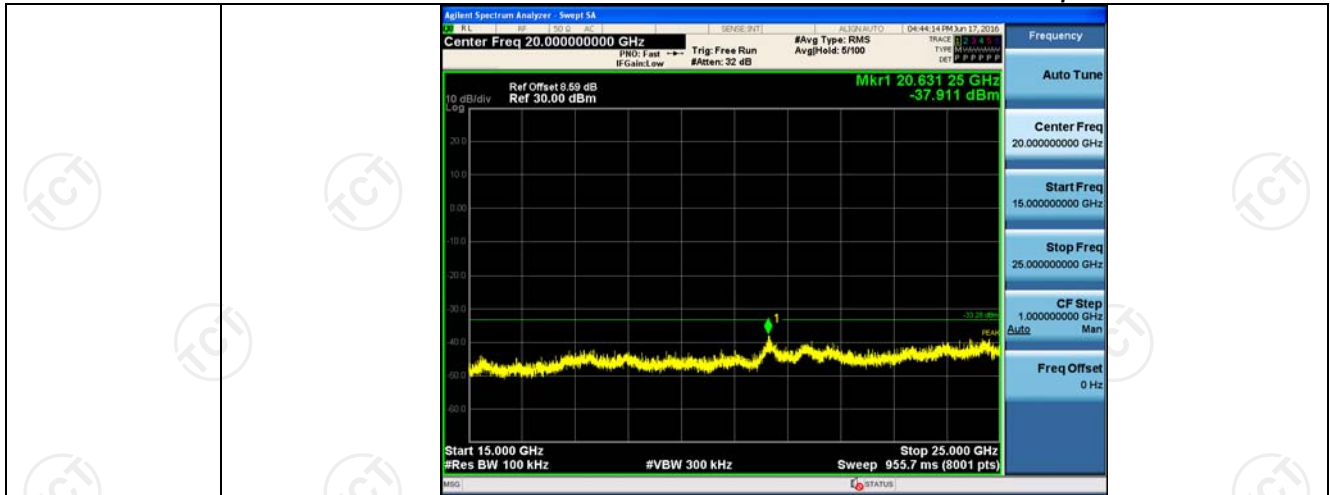




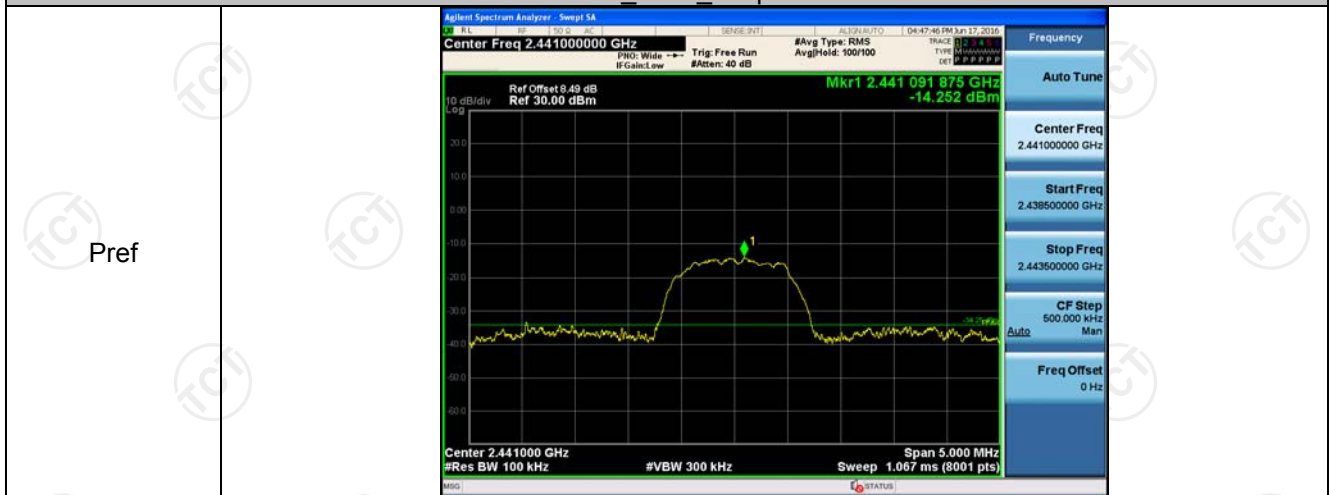
8DPSK LCH Graphs



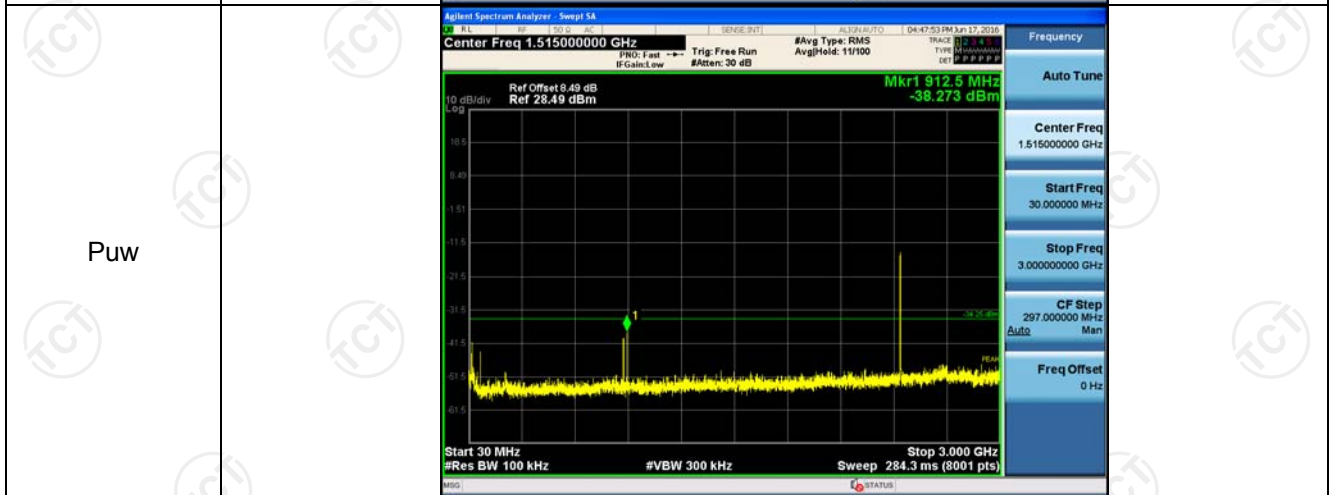




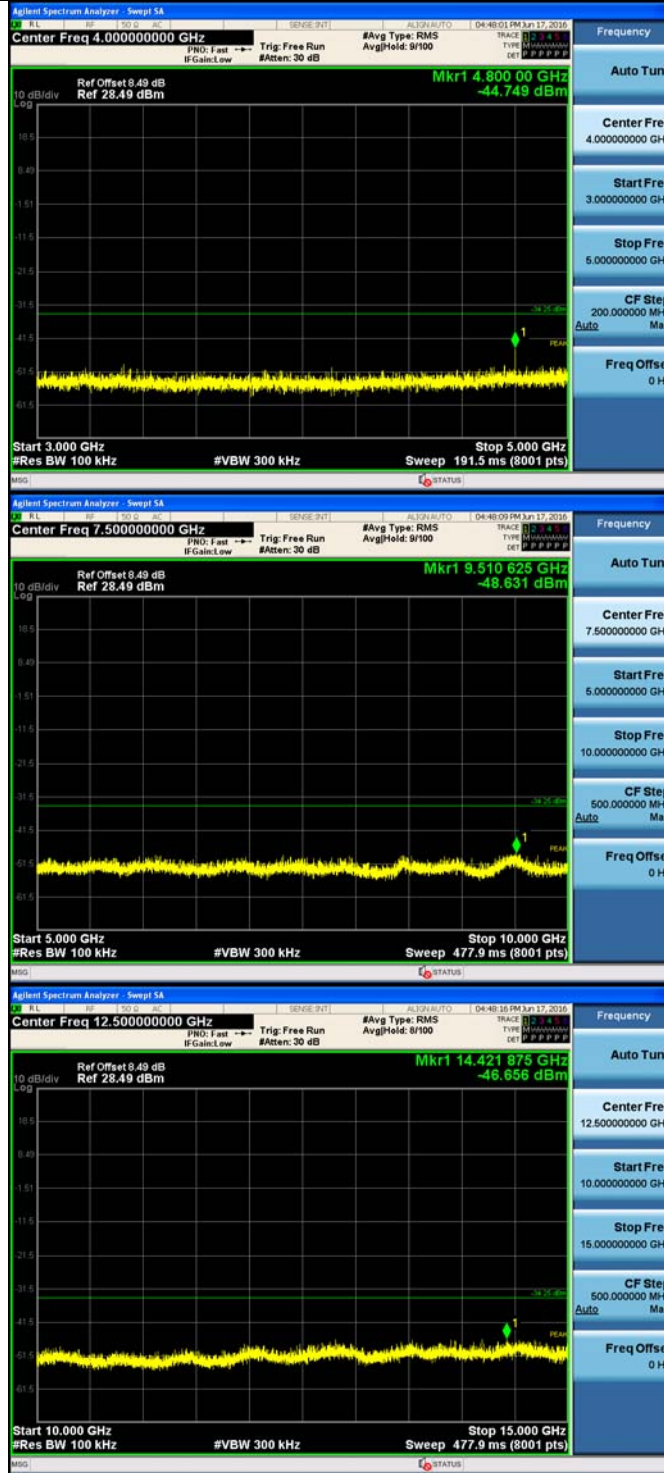
8DPSK MCH Graphs

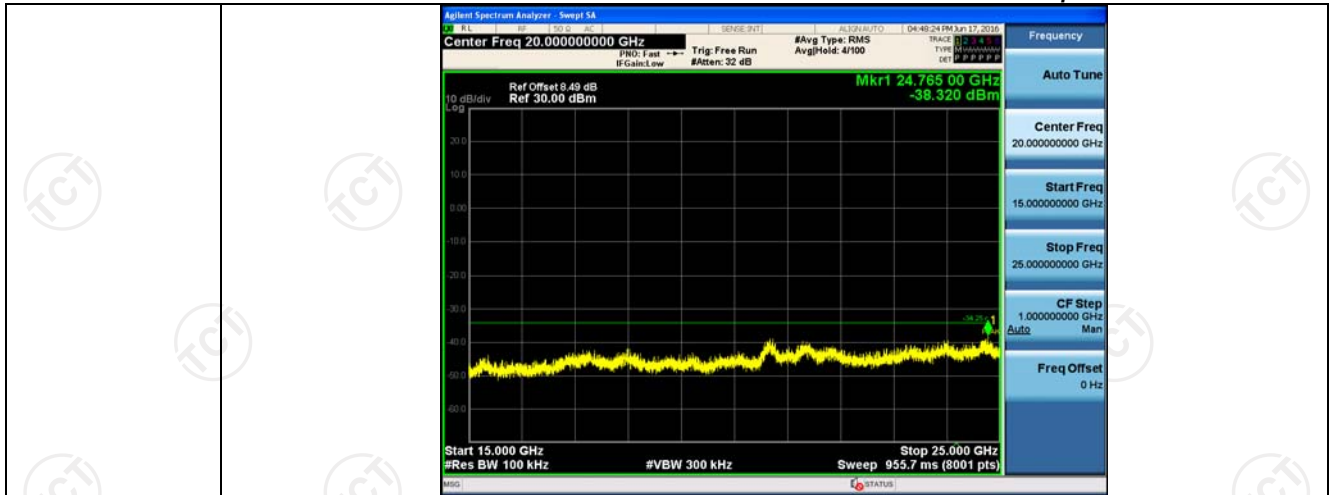


Pref

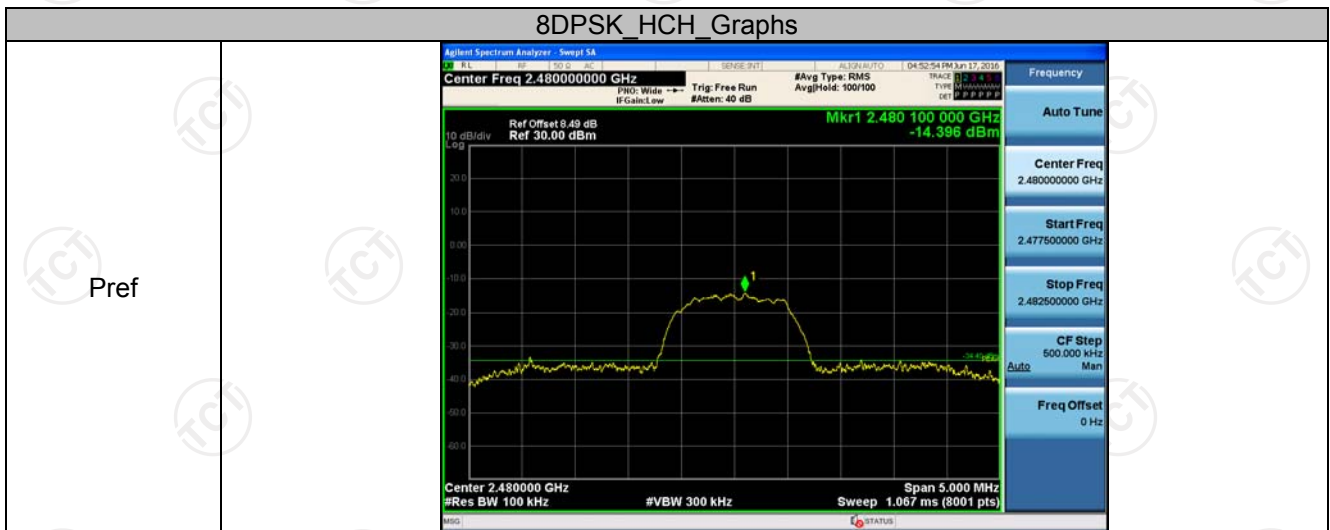


Puw

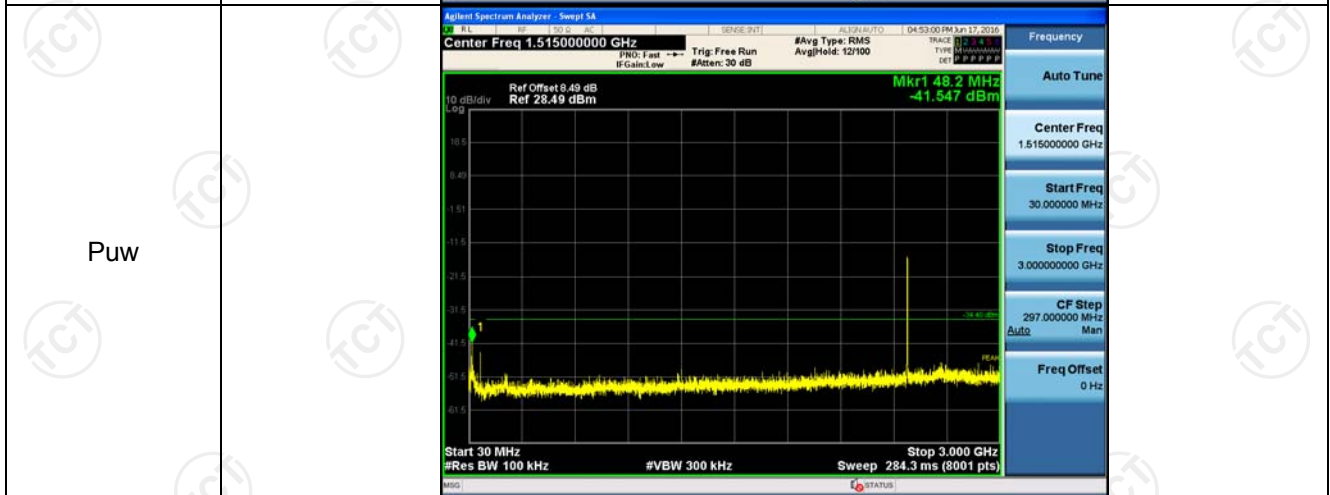




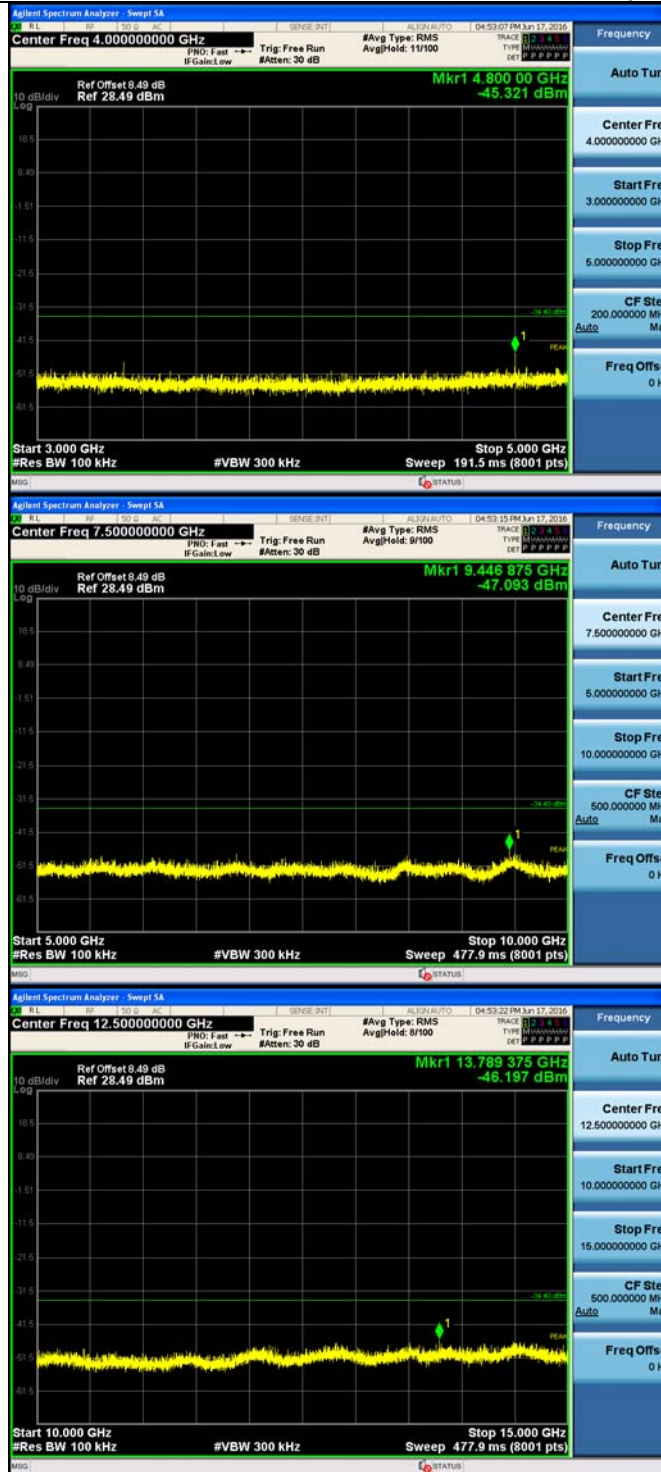
8DPSK HCH Graphs

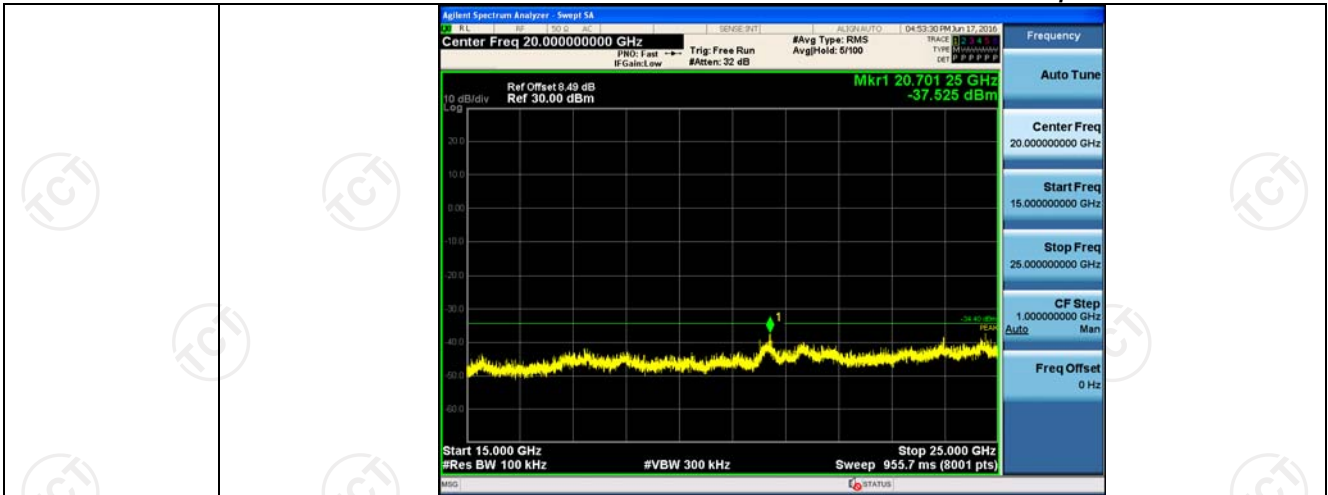


Pref



Puw





Appendix B: Photographs of Test Setup Radiated Emission



CE



Appendix C: Photographs of EUT
Model: SBT1017
External Photos









Model: SBT1017
Internal Photos

