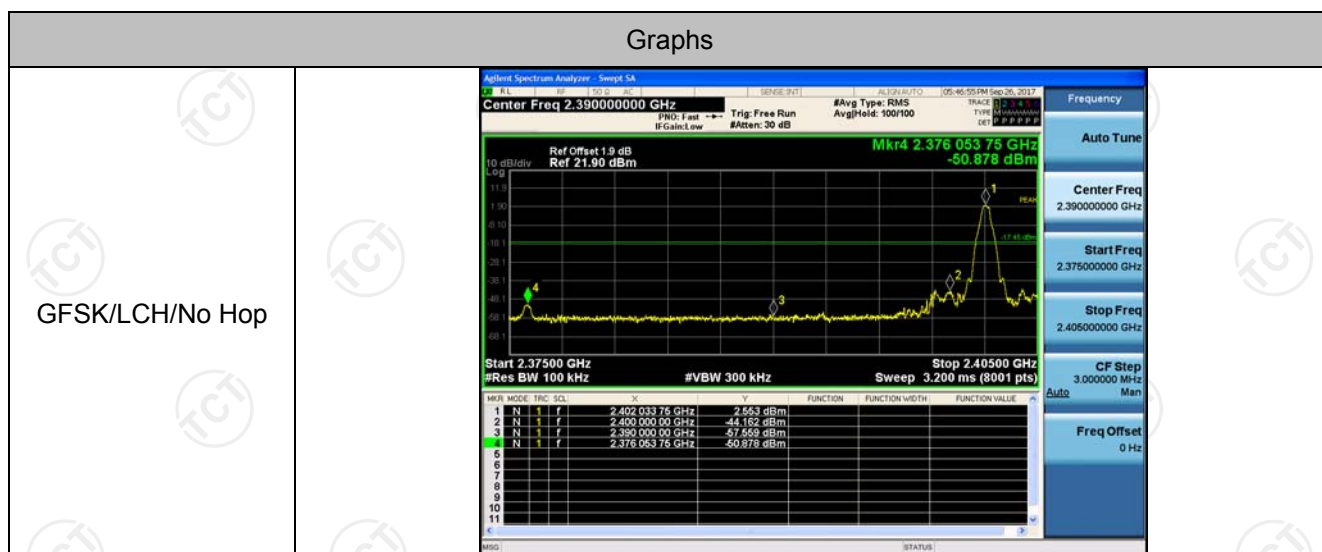


Band-edge for RF Conducted Emissions

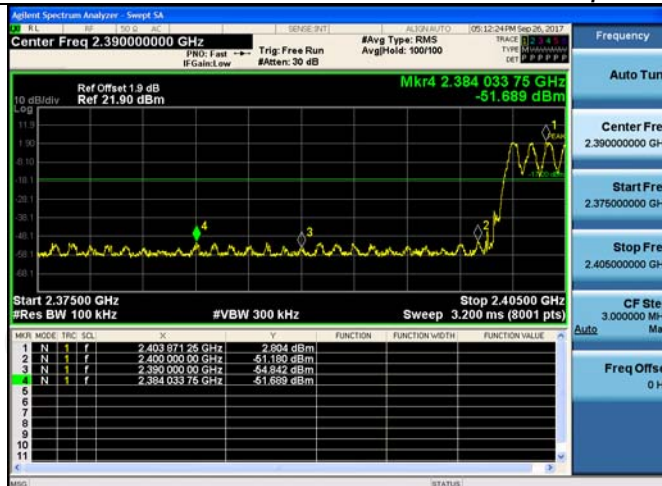
Result Table

Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	2402	2.553	Off	-50.878	-17.45	PASS
			2.804	On	-51.689	-17.20	PASS
GFSK	HCH	2480	2.671	Off	-54.378	-17.33	PASS
			2.763	On	-52.346	-17.24	PASS
π /4DQPSK	LCH	2402	0.293	Off	-52.239	-19.71	PASS
			3.242	On	-51.535	-16.76	PASS
π /4DQPSK	HCH	2480	0.387	Off	-52.901	-19.61	PASS
			3.345	On	-52.715	-16.66	PASS
8DPSK	LCH	2402	0.527	Off	-51.248	-19.47	PASS
			3.363	On	-50.436	-16.64	PASS
8DPSK	HCH	2480	0.659	Off	-54.594	-19.34	PASS
			2.274	On	-53.745	-17.73	PASS

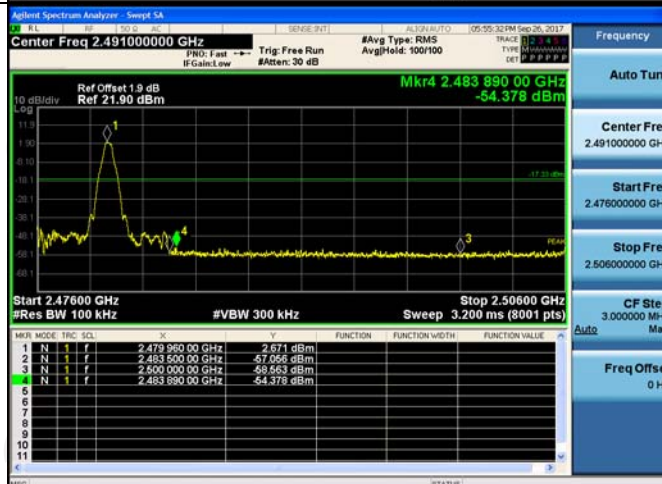
Test Graph



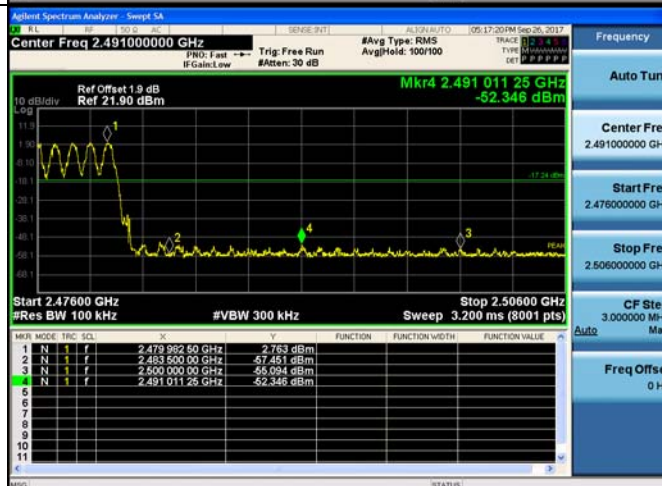
GFSK/LCH/Hop

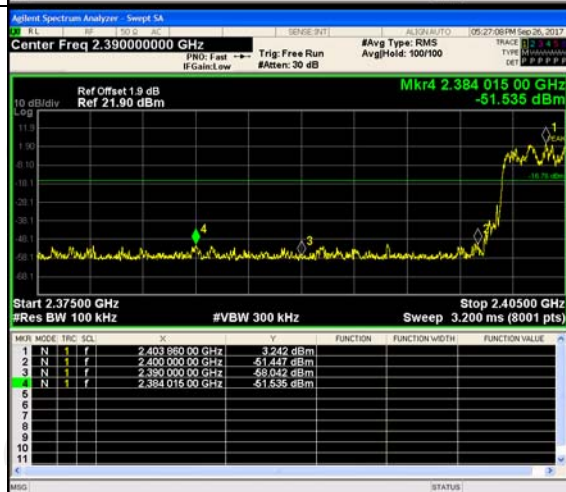
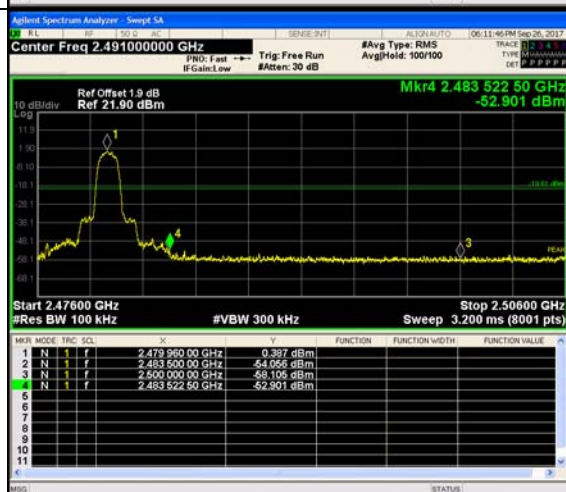


GFSK/HCH/No Hop

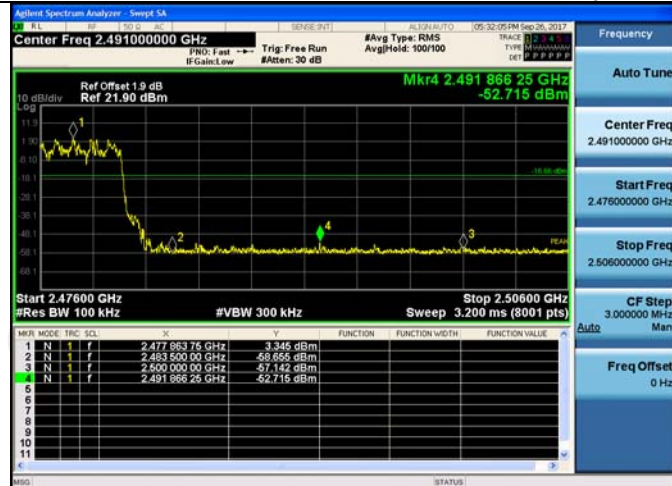


GFSK/HCH/Hop

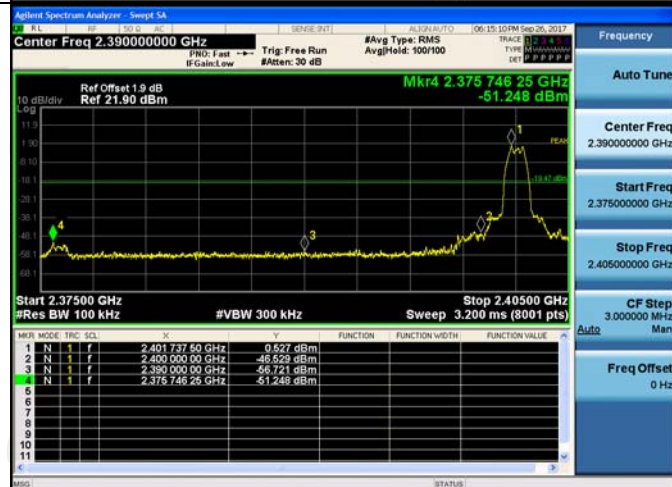


$\pi/4$ DQPSK/LCH/No Hop	 <table><tr><th>MNR</th><th>MODE</th><th>TRF</th><th>SCL</th><th>F</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td></td><td>2.40199626 GHz</td><td>0.293 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td></td><td>2.40000000 GHz</td><td>-47.562 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td></td><td>2.39000000 GHz</td><td>-57.022 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td></td><td>2.37623375 GHz</td><td>-52.239 dBm</td><td></td><td></td><td></td></tr></table>	MNR	MODE	TRF	SCL	F	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f		2.40199626 GHz	0.293 dBm				2	N	1	f		2.40000000 GHz	-47.562 dBm				3	N	1	f		2.39000000 GHz	-57.022 dBm				4	N	1	f		2.37623375 GHz	-52.239 dBm			
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$\pi/4$ DQPSK/HCH/No Hop	 <table><tr><th>MNR</th><th>MODE</th><th>TRF</th><th>SCL</th><th>F</th><th>X</th><th>Y</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></td><td>2.47996000 GHz</td><td>0.297 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td></td><td>2.48350000 GHz</td><td>-54.056 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td></td><td>2.50000000 GHz</td><td>-58.105 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td></td><td>2.48352250 GHz</td><td>-52.901 dBm</td><td></td><td></td><td></td></tr></table>	MNR	MODE	TRF	SCL	F	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f		2.47996000 GHz	0.297 dBm				2	N	1	f		2.48350000 GHz	-54.056 dBm				3	N	1	f		2.50000000 GHz	-58.105 dBm				4	N	1	f		2.48352250 GHz	-52.901 dBm			
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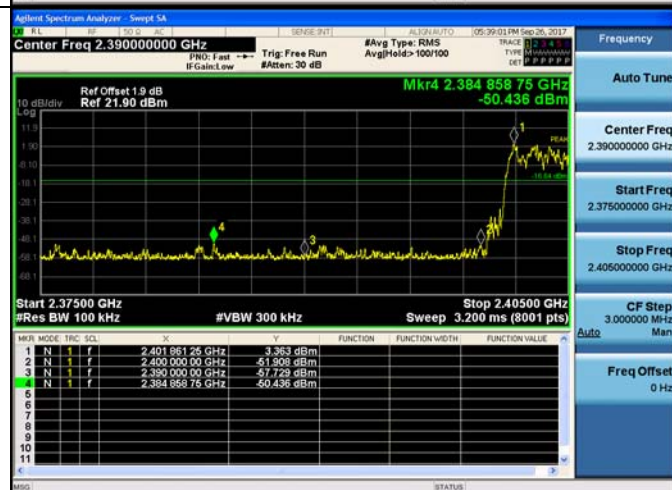
$\pi/4$ DQPSK/HCH/Hop



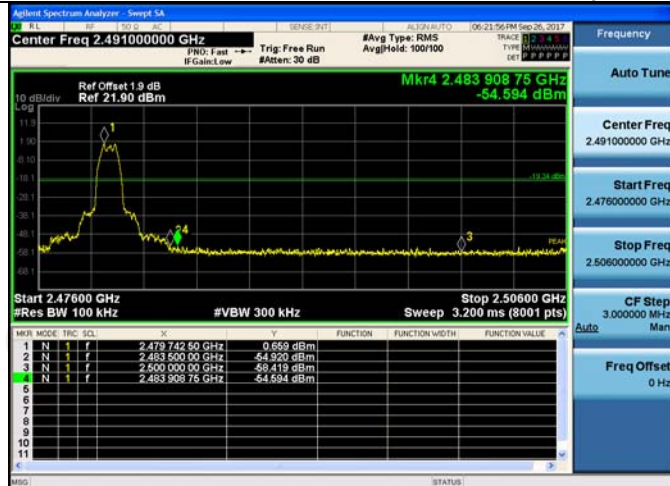
8DPSK/LCH/No Hop



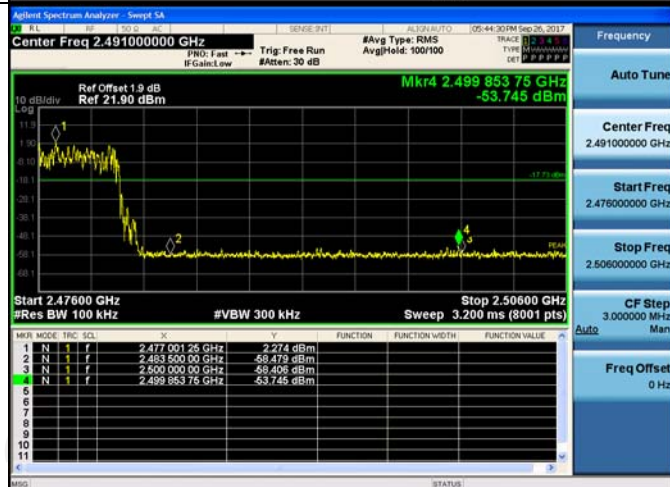
8DPSK/LCH/Hop



8DPSK/HCH/No Hop



8DPSK/HCH/Hop

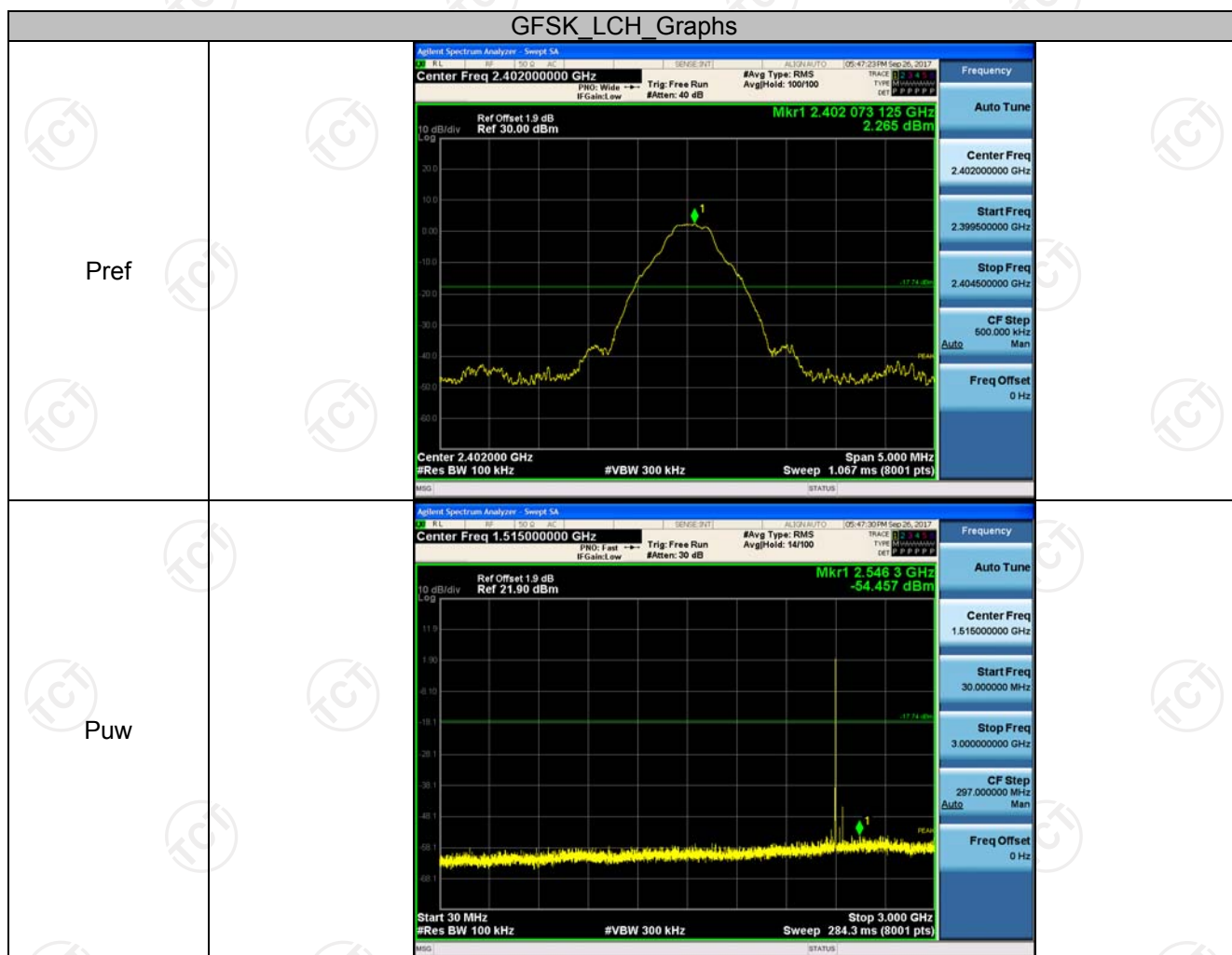


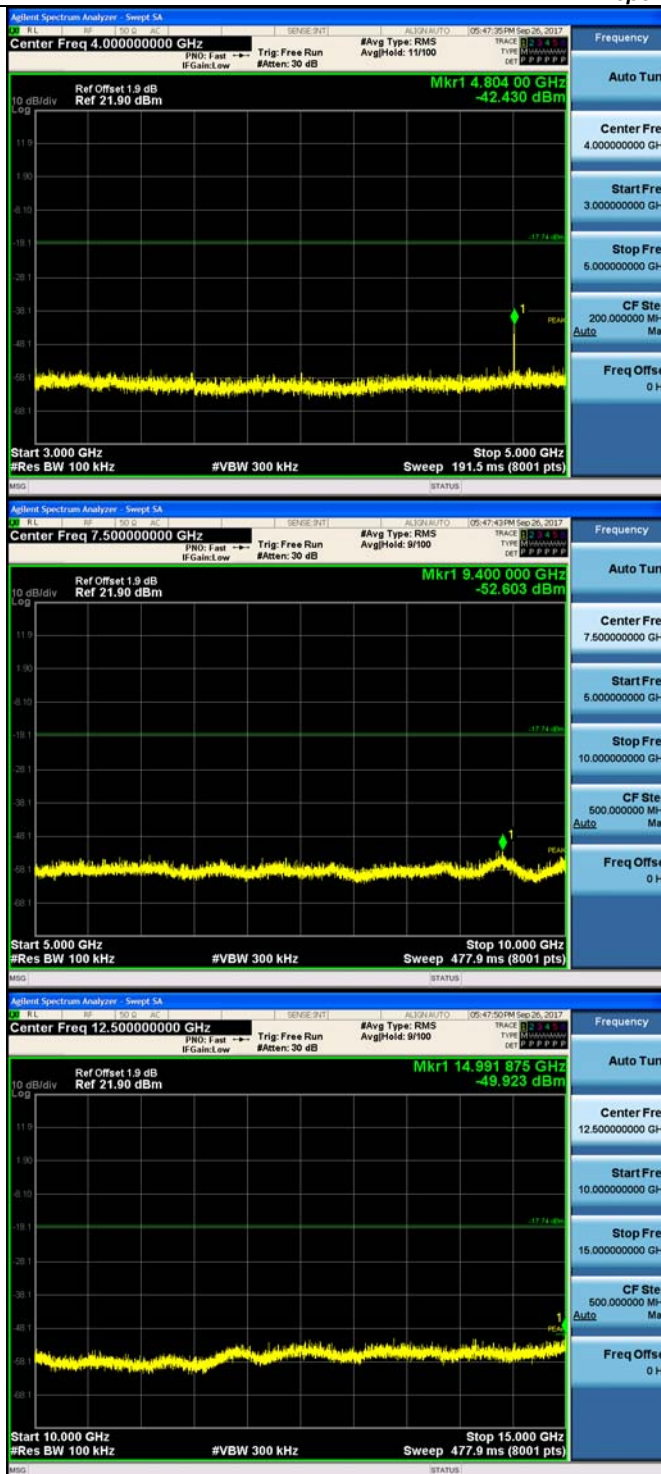
RF Conducted Spurious Emissions

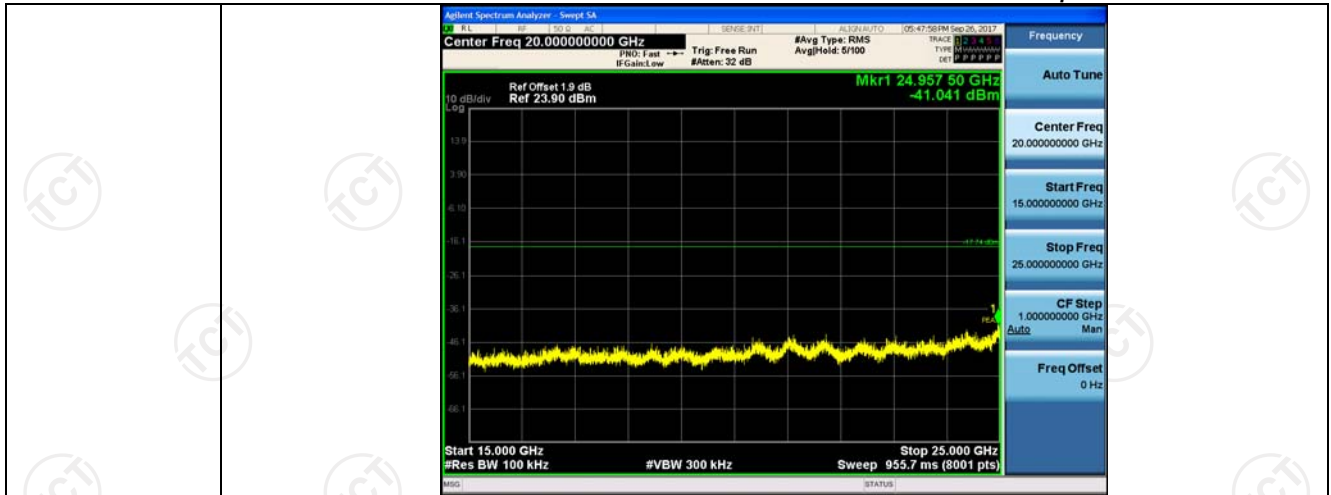
Result Table

Mode	Channel	Pref [dBm]	Puw[dBm]	Verdict
GFSK	LCH	2.265	<Limit	PASS
GFSK	MCH	2.483	<Limit	PASS
GFSK	HCH	2.412	<Limit	PASS
$\pi/4$ DQPSK	LCH	-0.216	<Limit	PASS
$\pi/4$ DQPSK	MCH	0.159	<Limit	PASS
$\pi/4$ DQPSK	HCH	-0.076	<Limit	PASS
8DPSK	LCH	0.352	<Limit	PASS
8DPSK	MCH	0.648	<Limit	PASS
8DPSK	HCH	0.500	<Limit	PASS

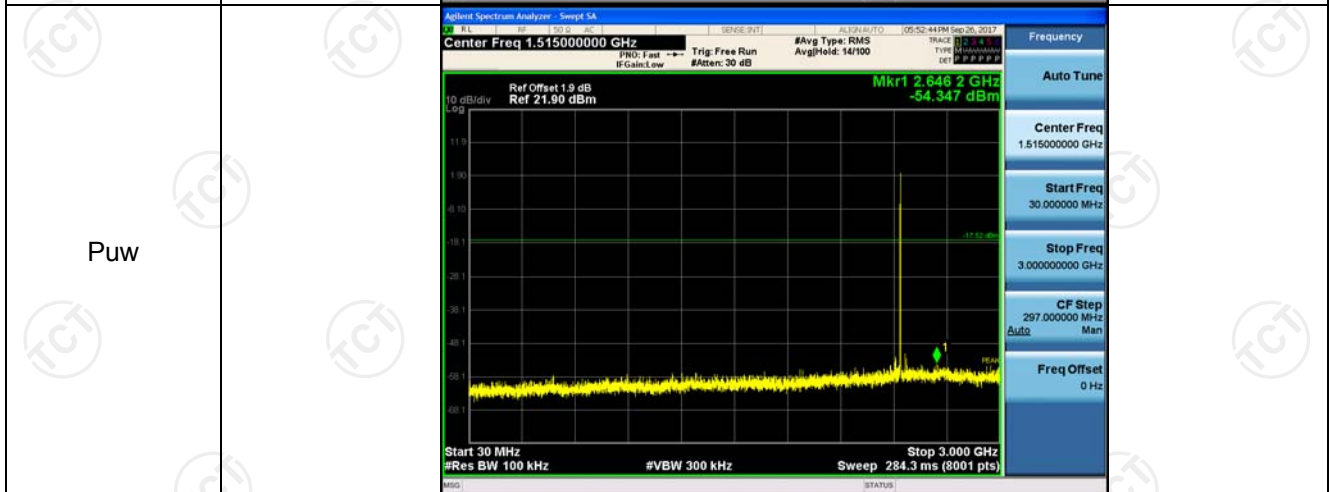
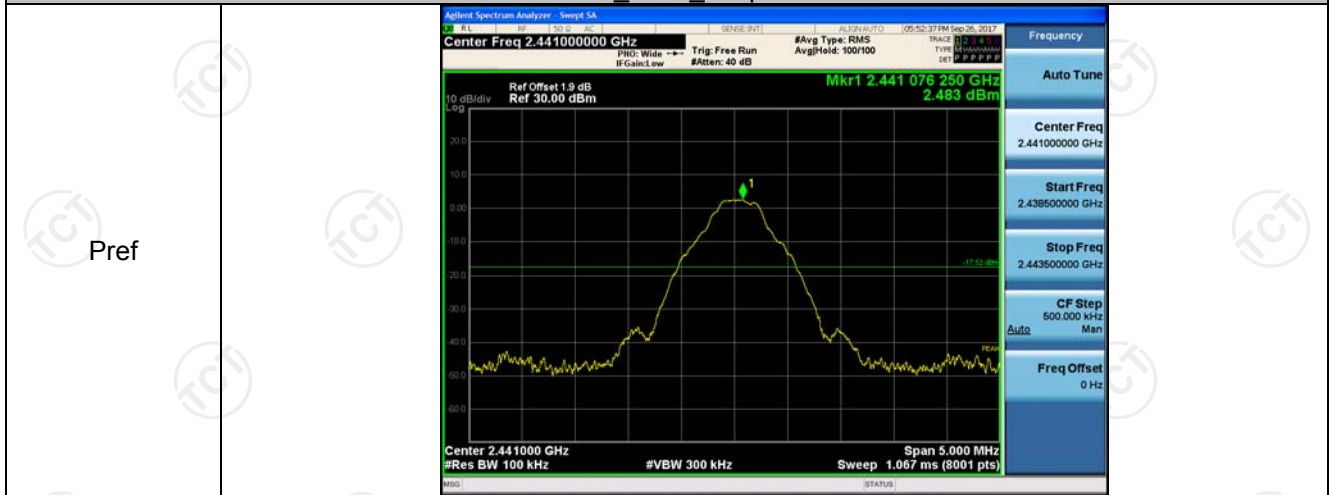
Test Graph

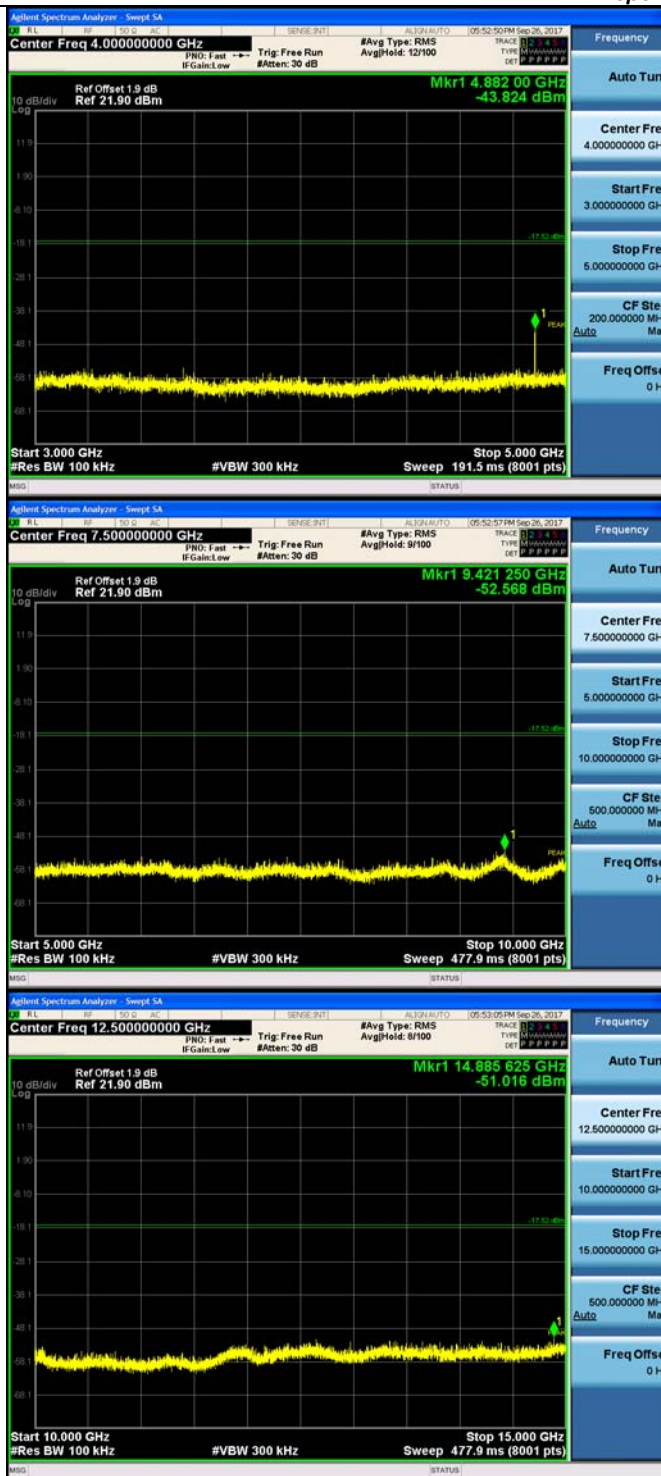


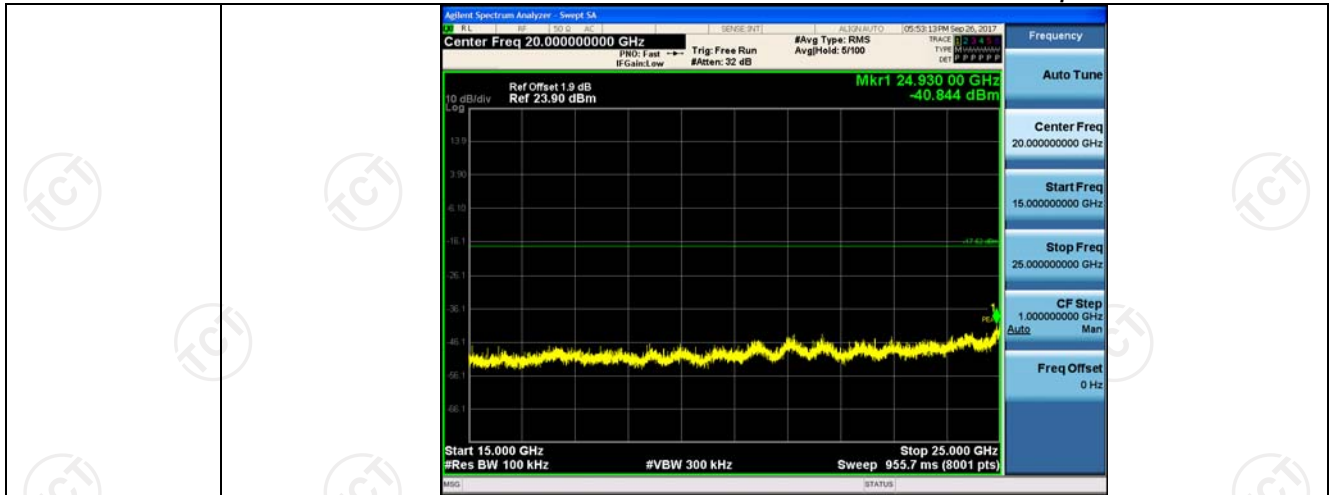




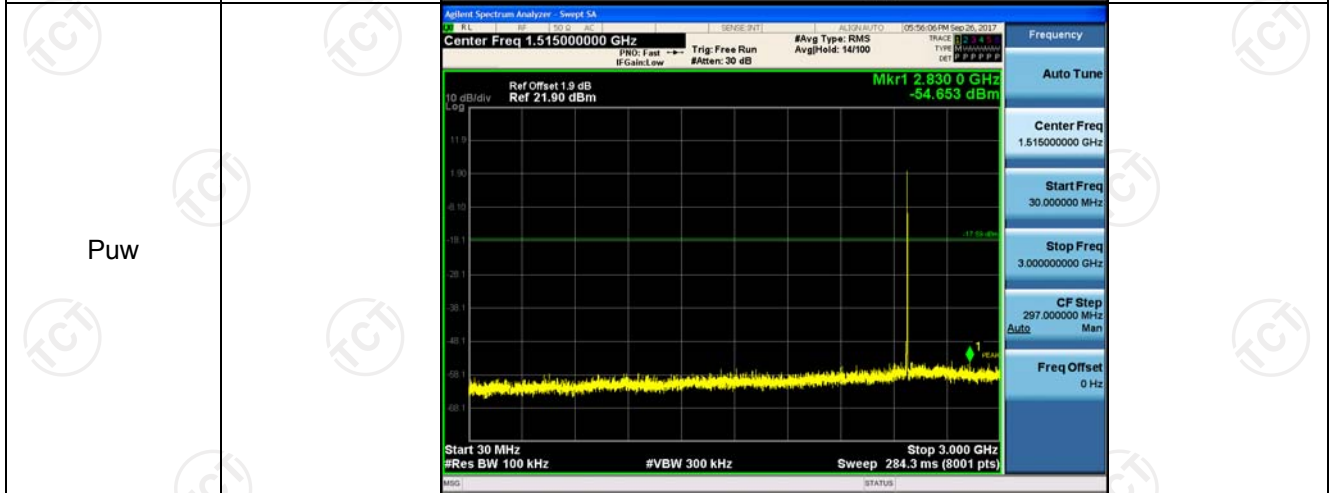
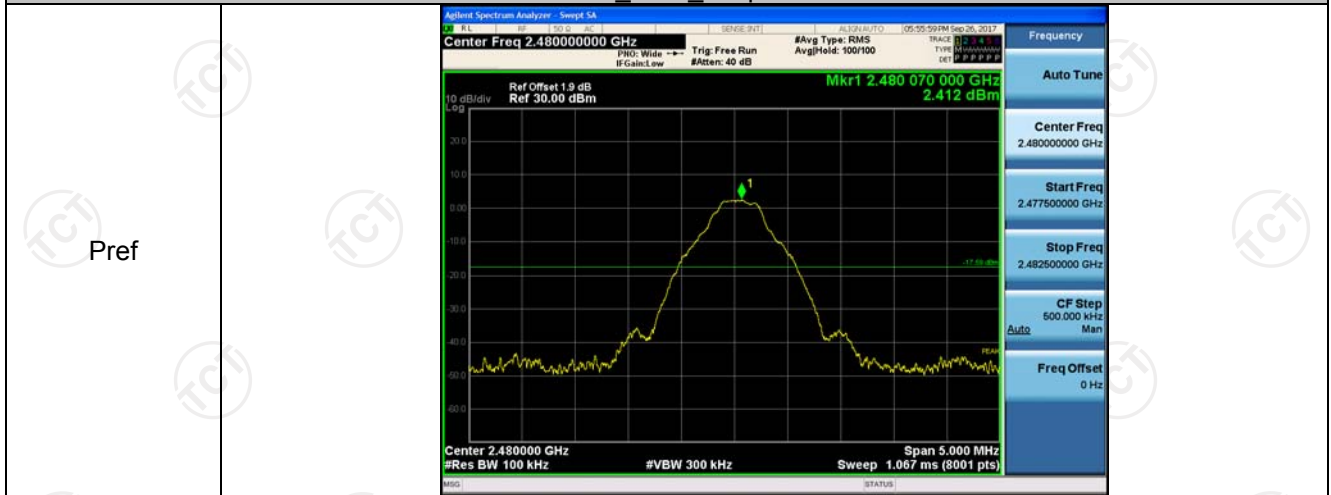
GFSK_MCH_Graphs

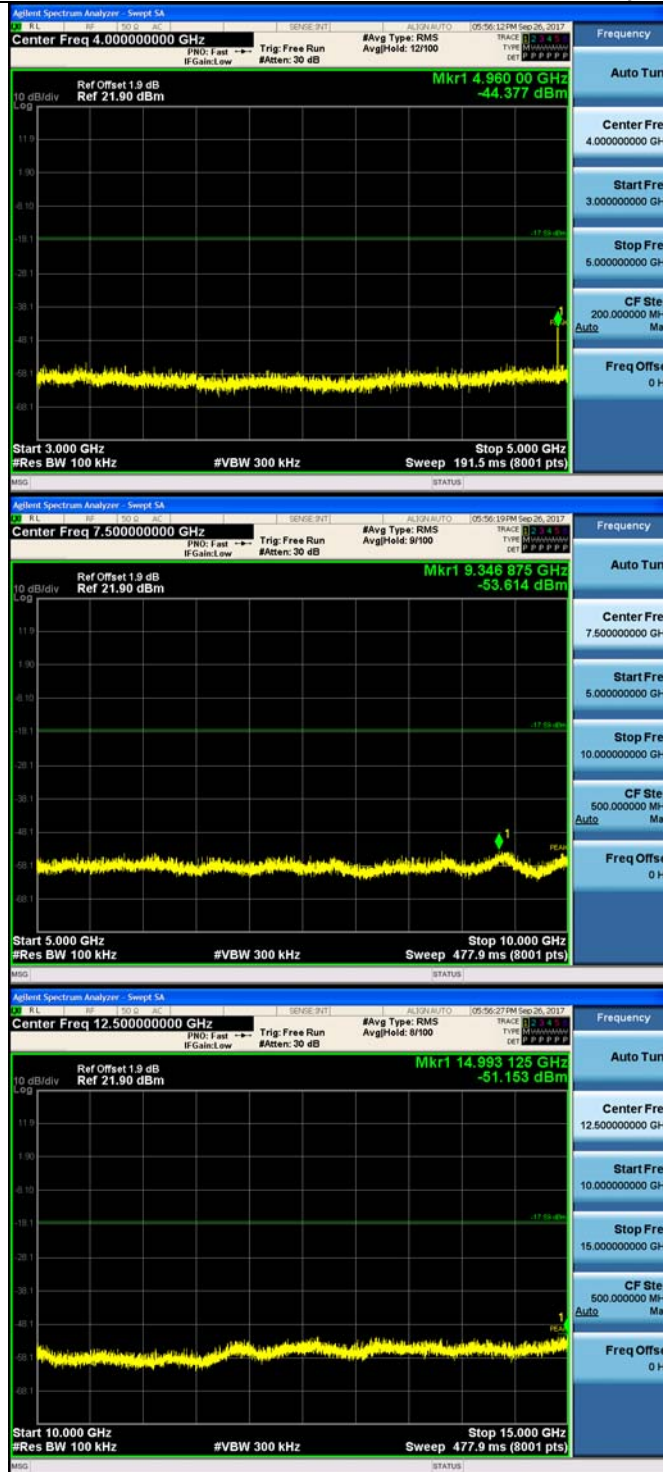


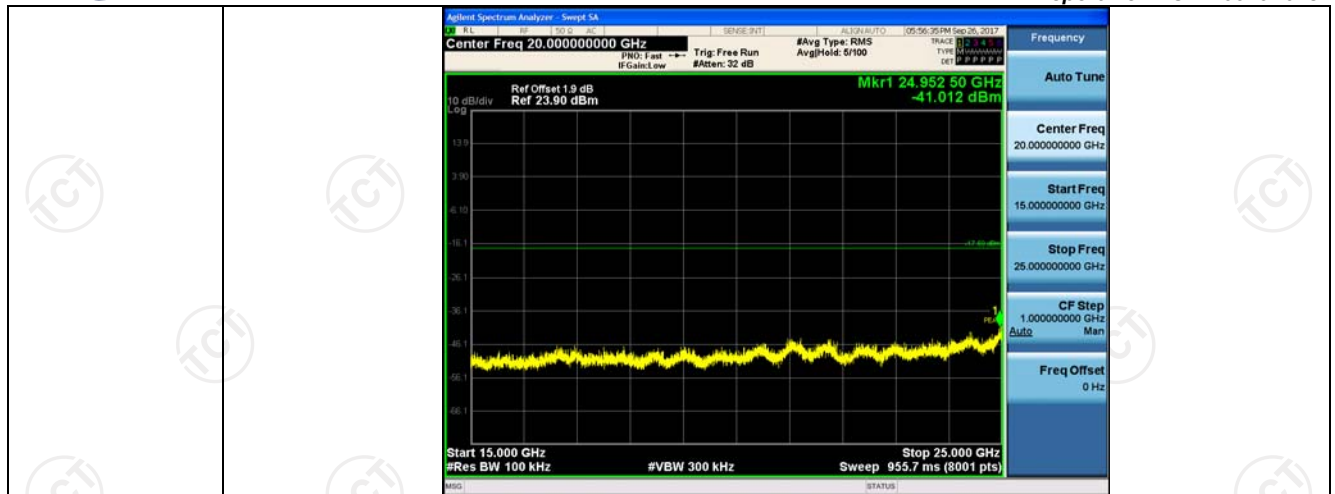




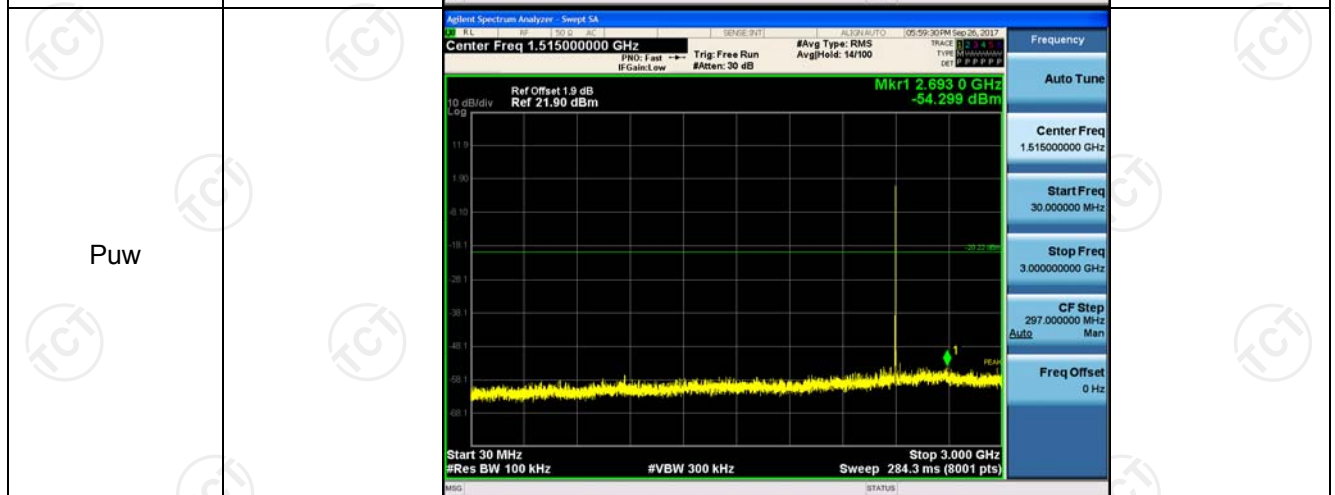
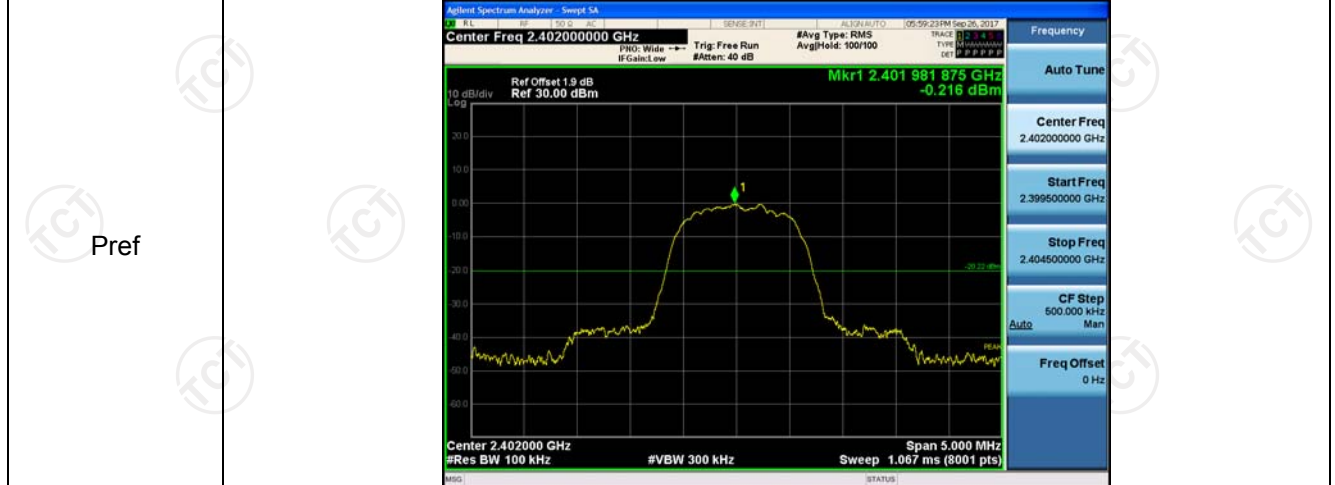
GFSK HCH_Graphs

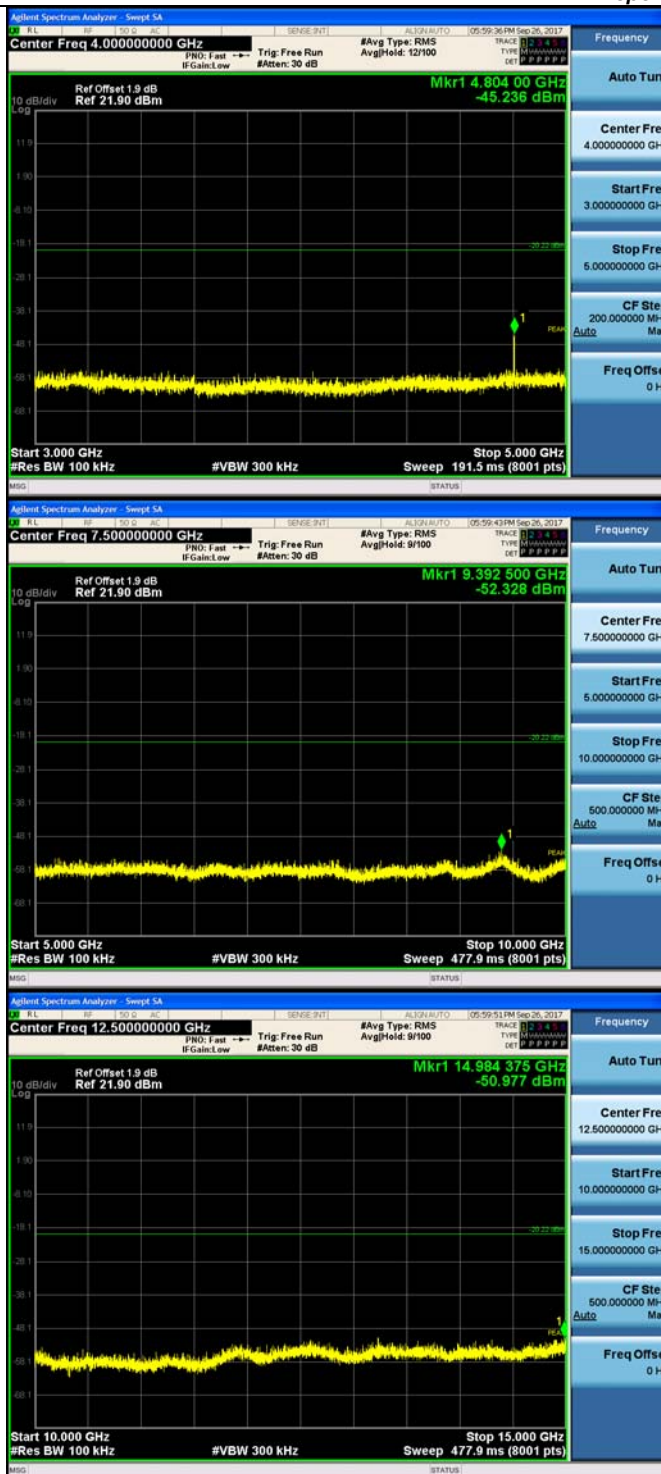


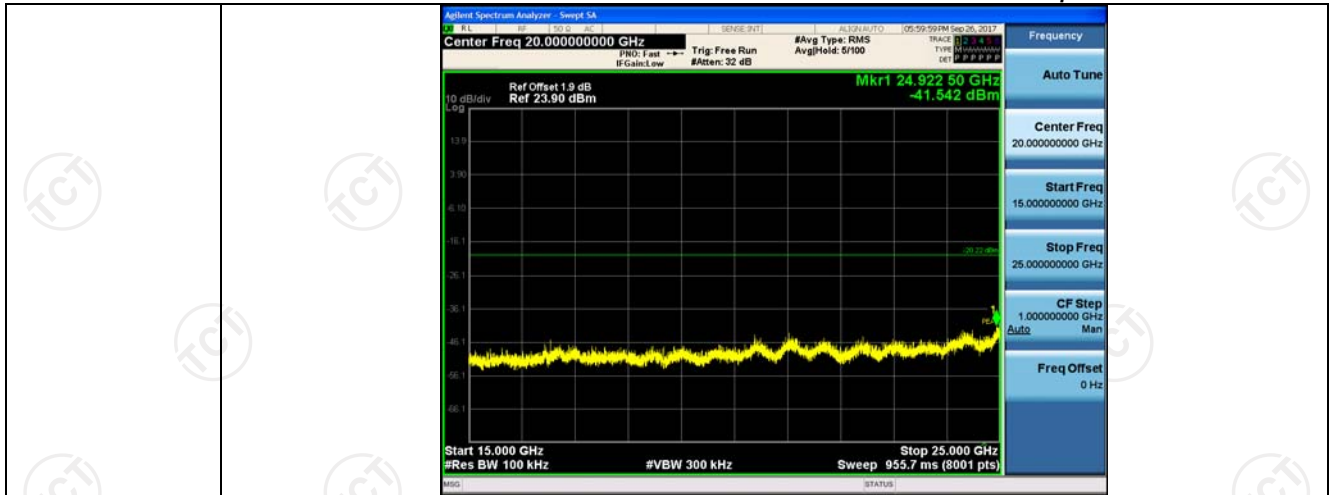




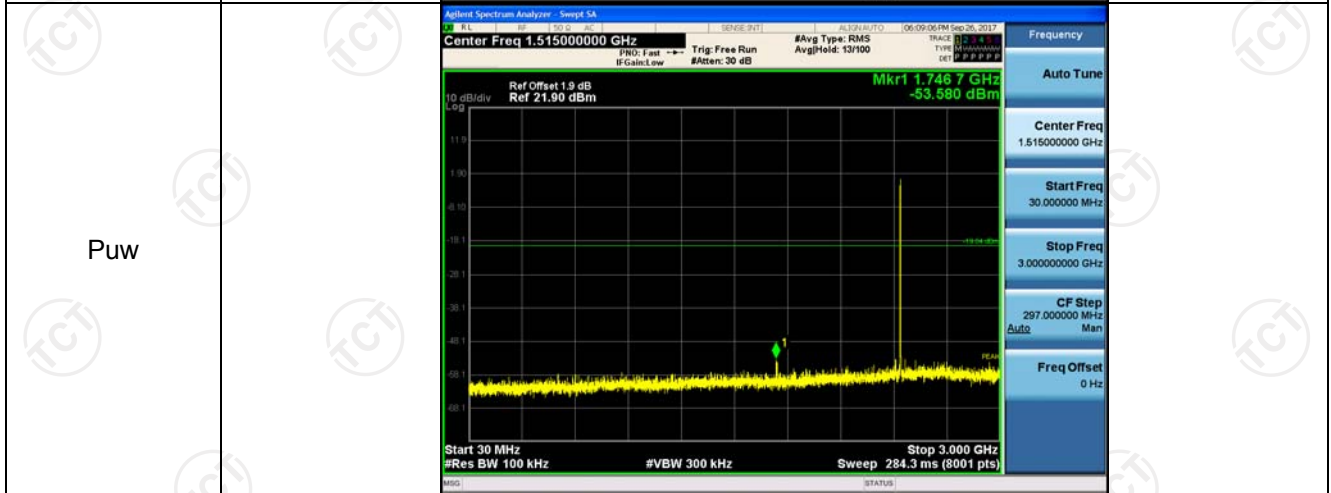
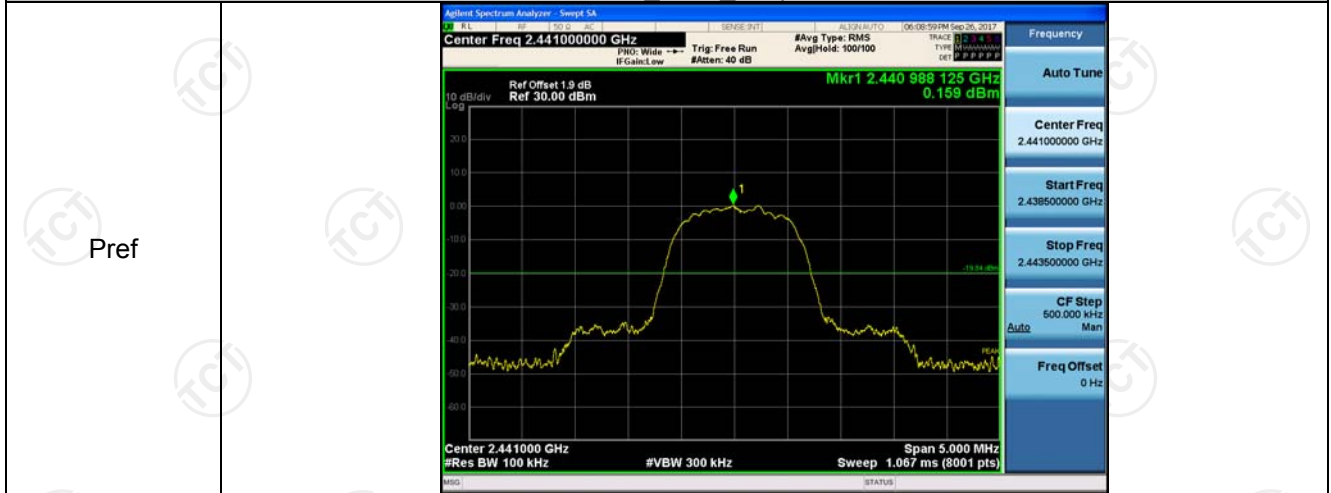
$\pi/4$ DQPSK LCH_Graphs

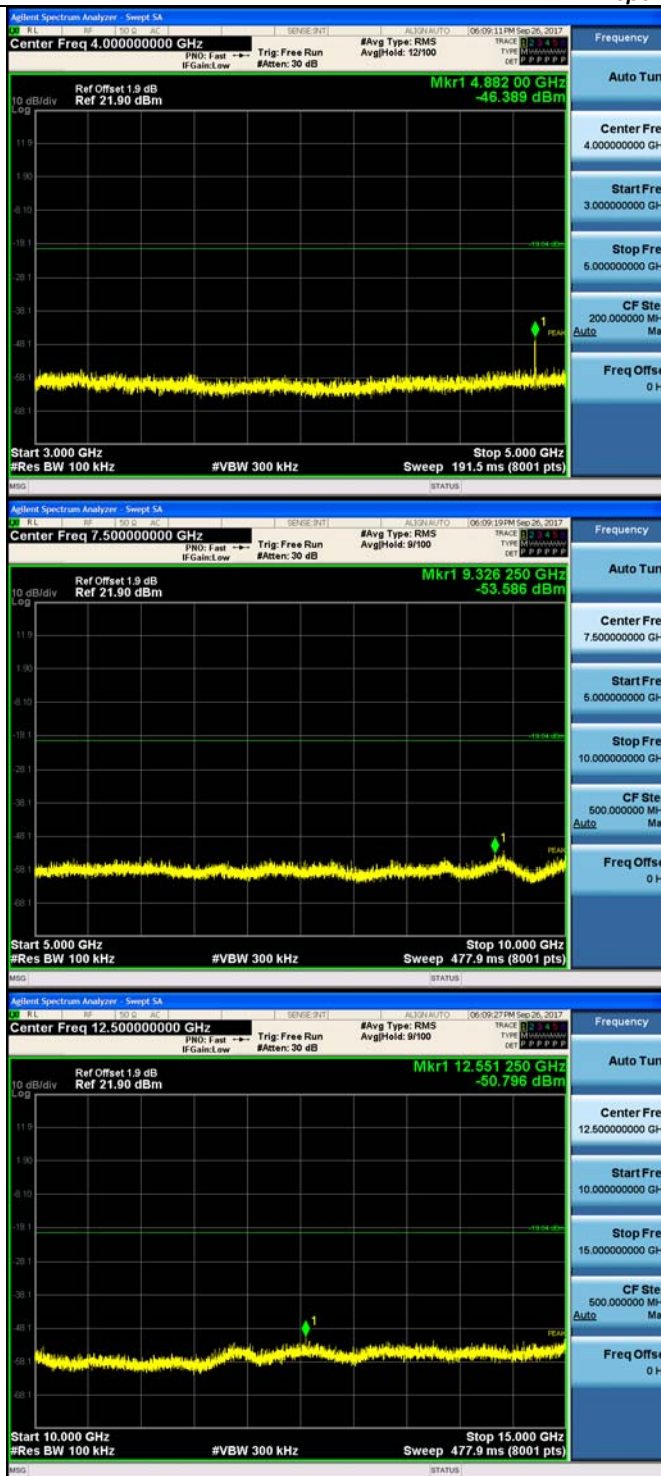


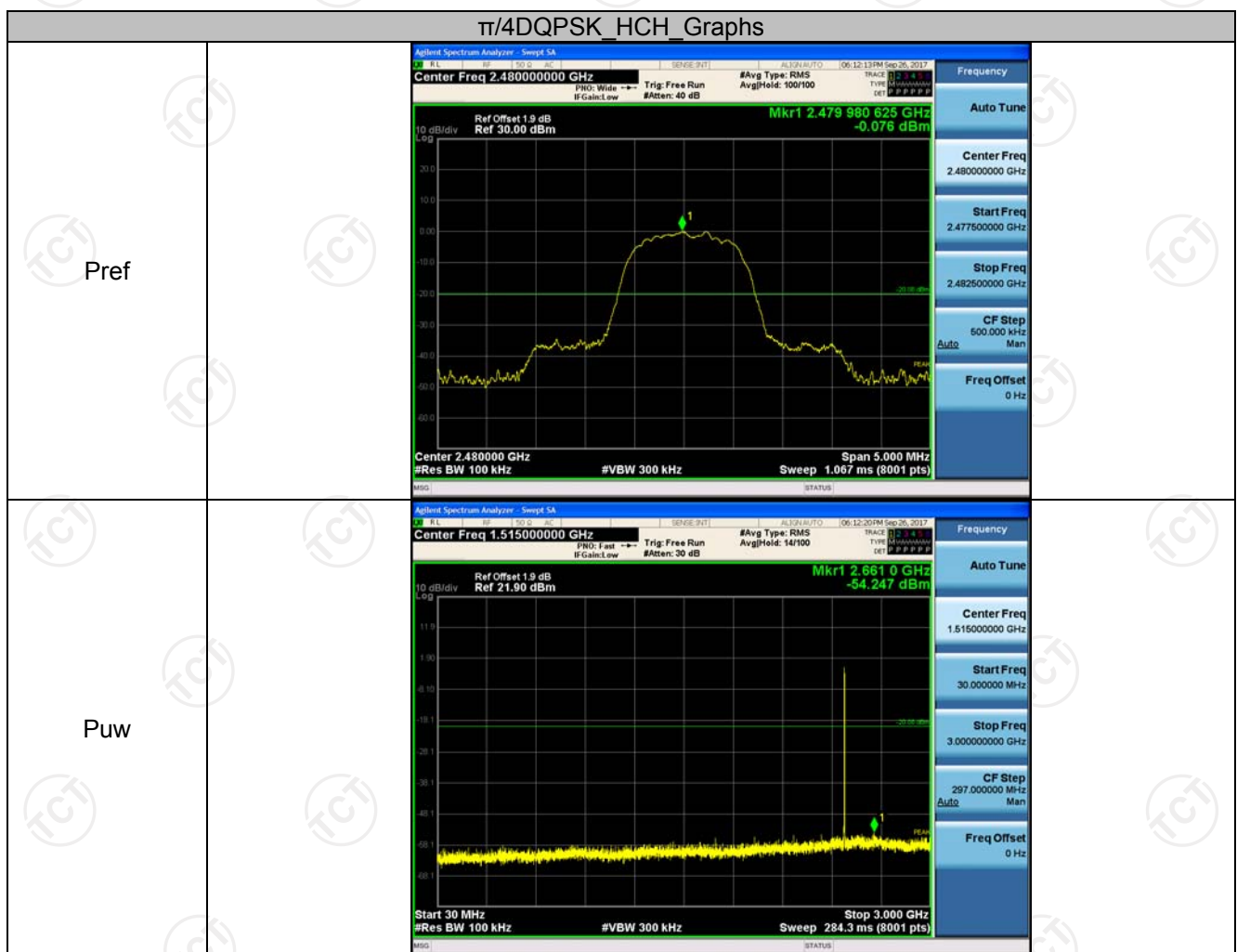
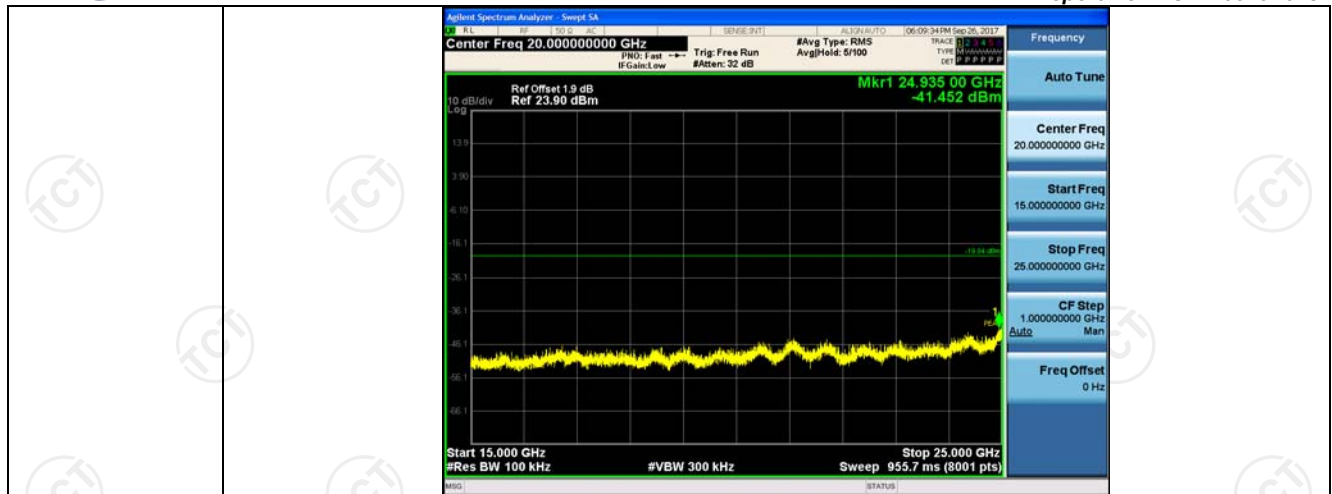


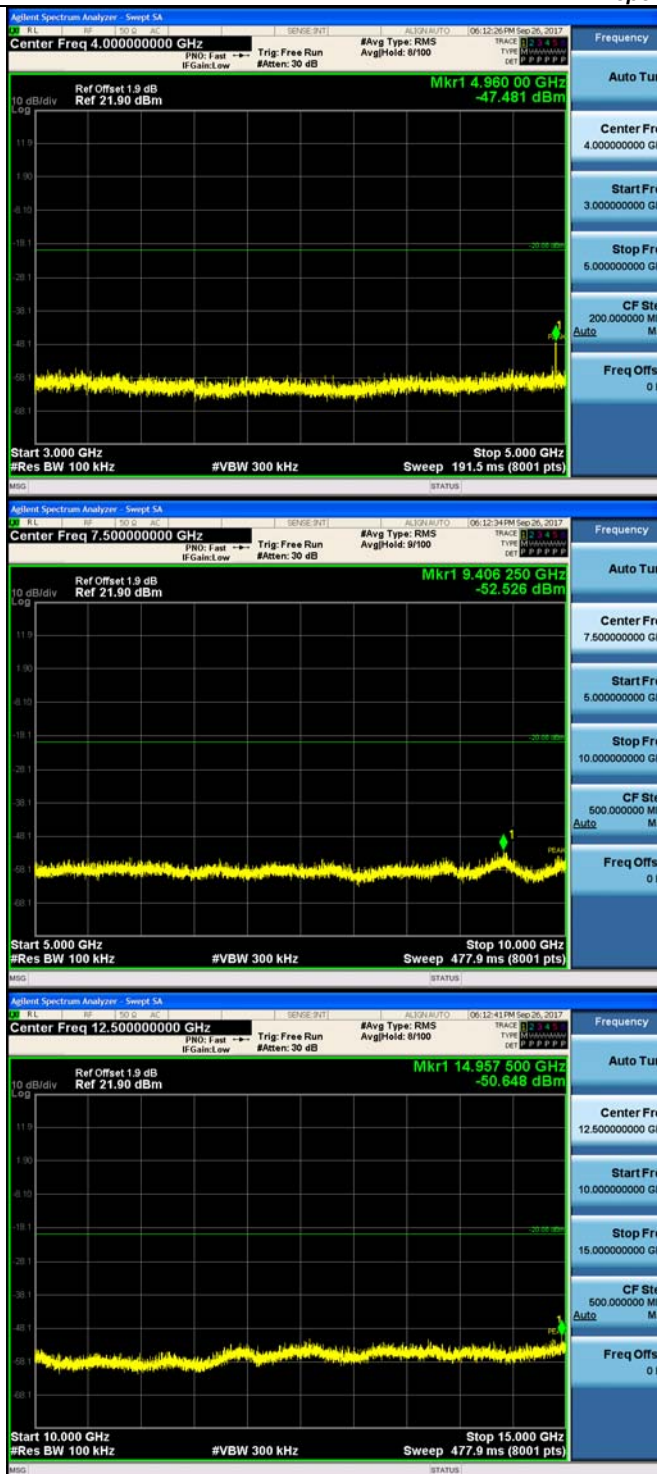


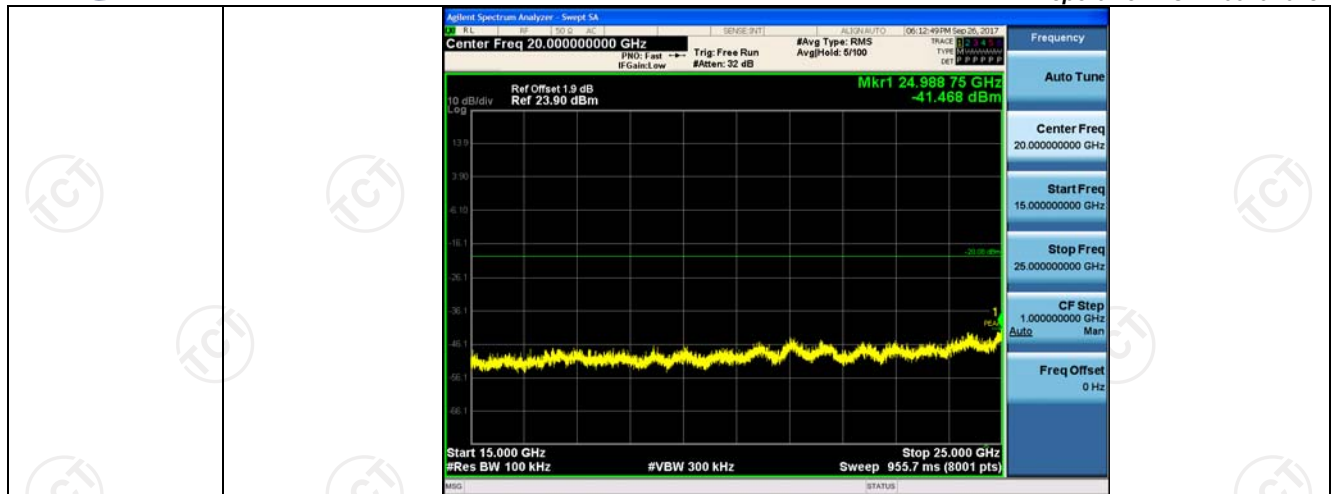
$\pi/4$ DQPSK_MCH_Graphs



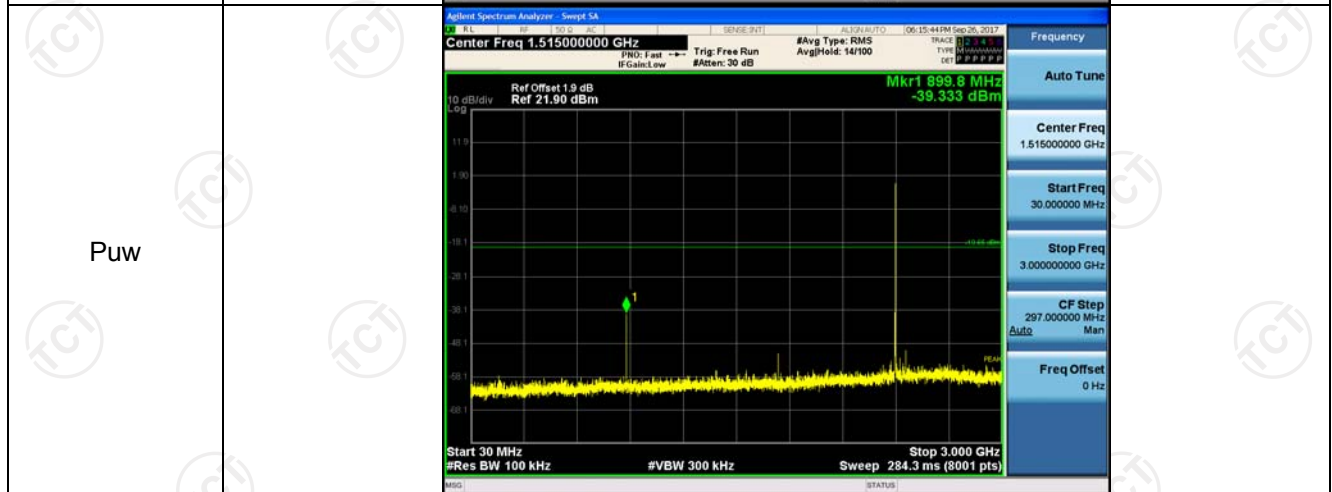
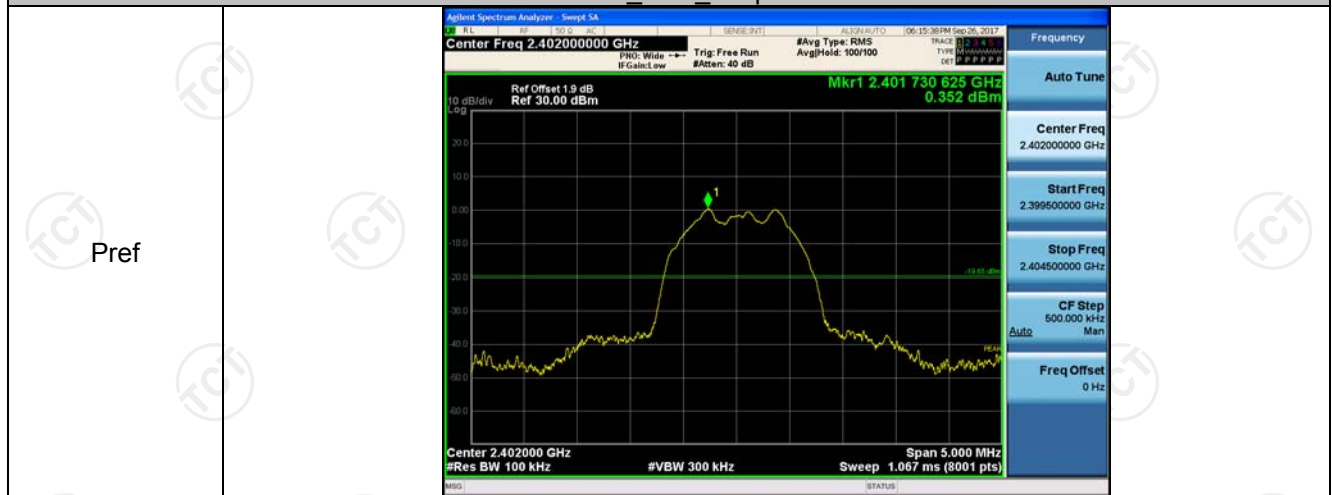


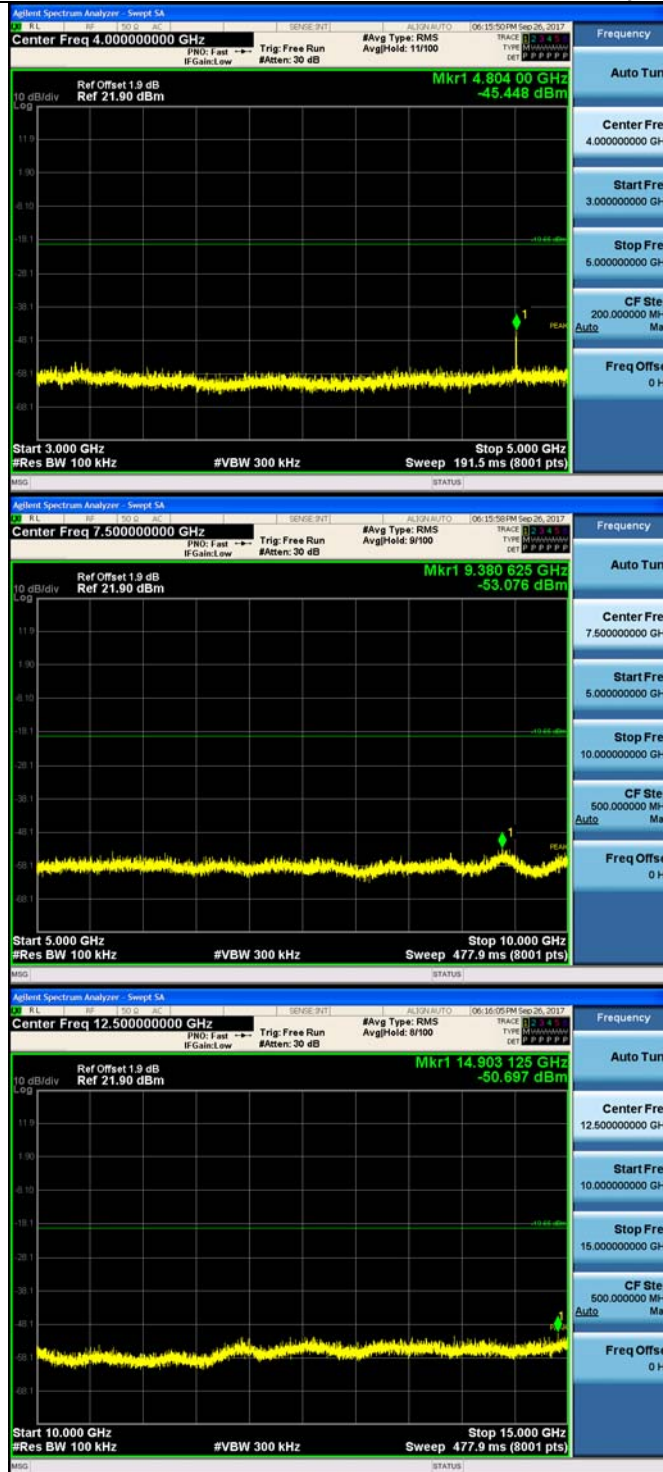


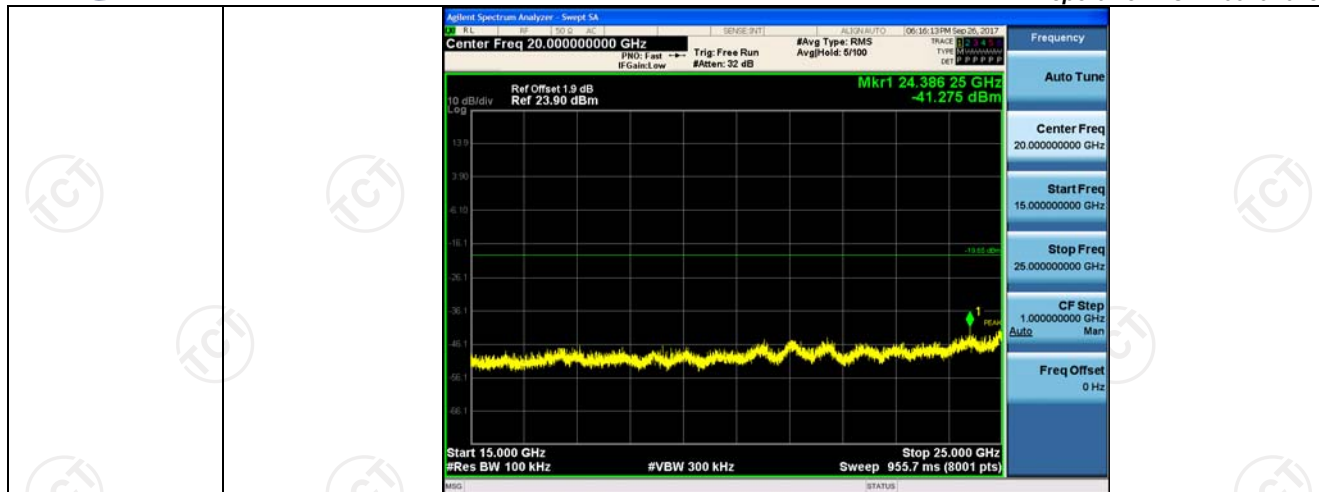




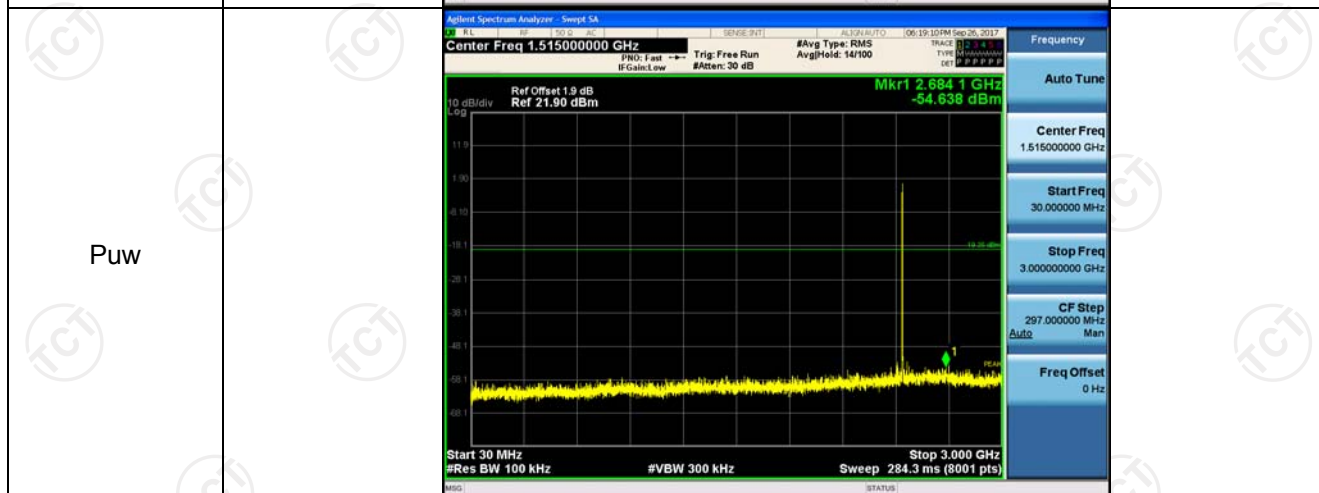
8DPSK_LCH_Graphs

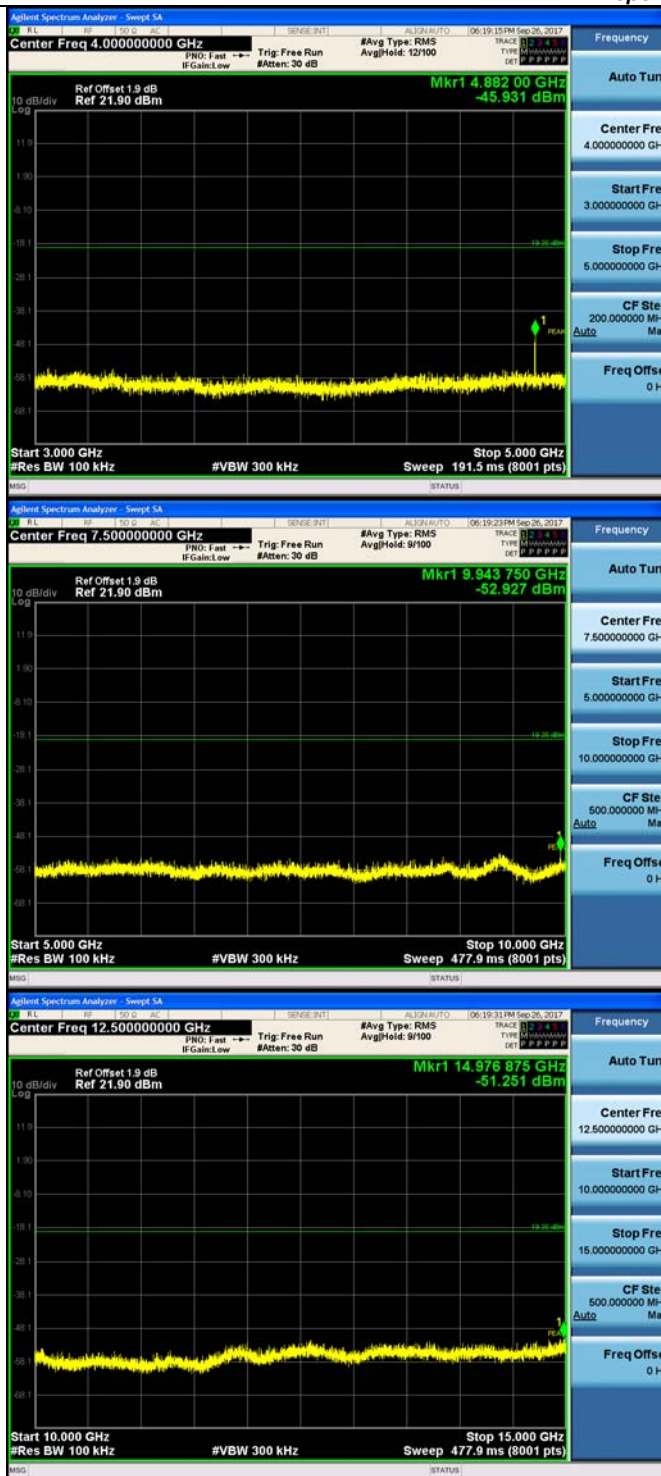


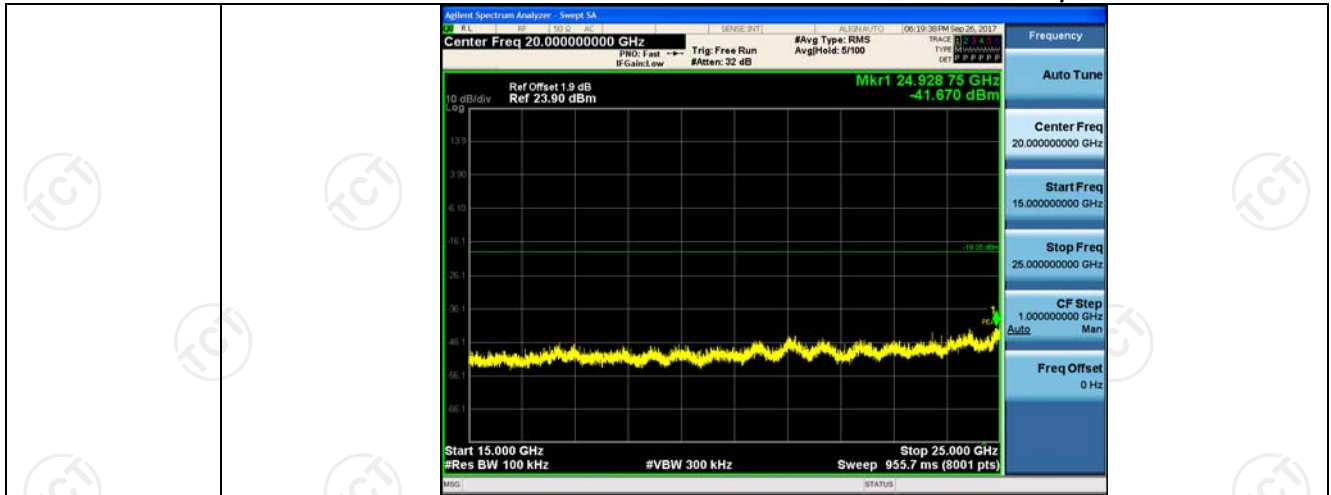




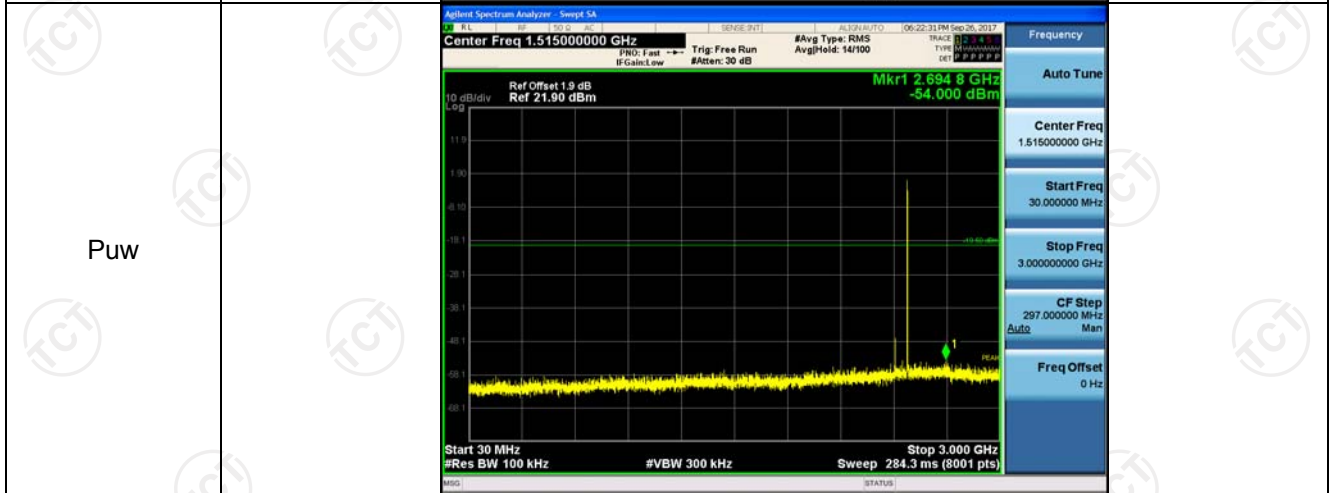
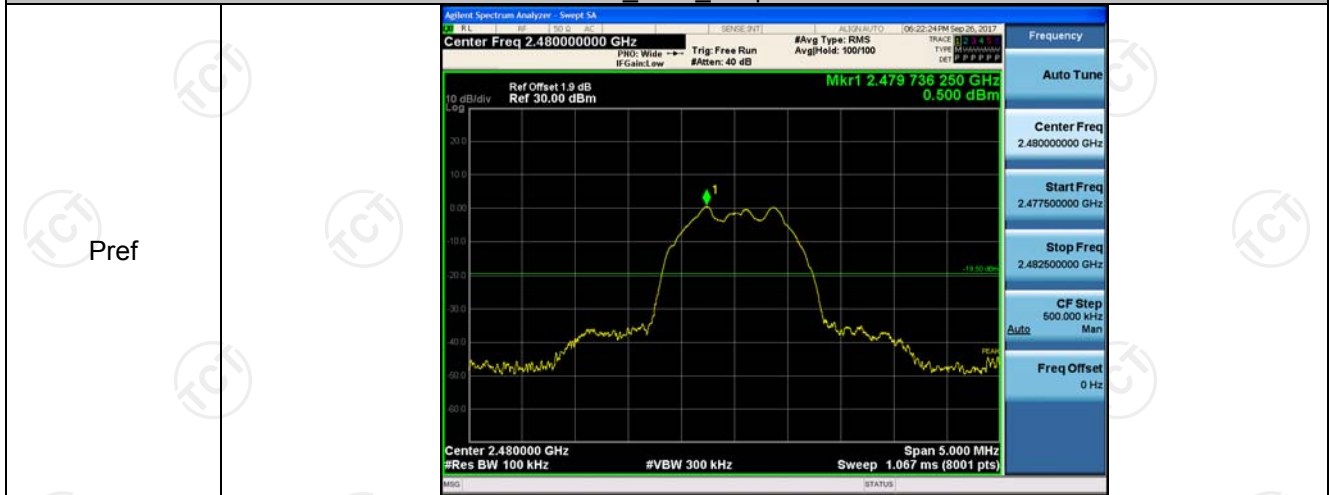
8DPSK_MCH_Graphs

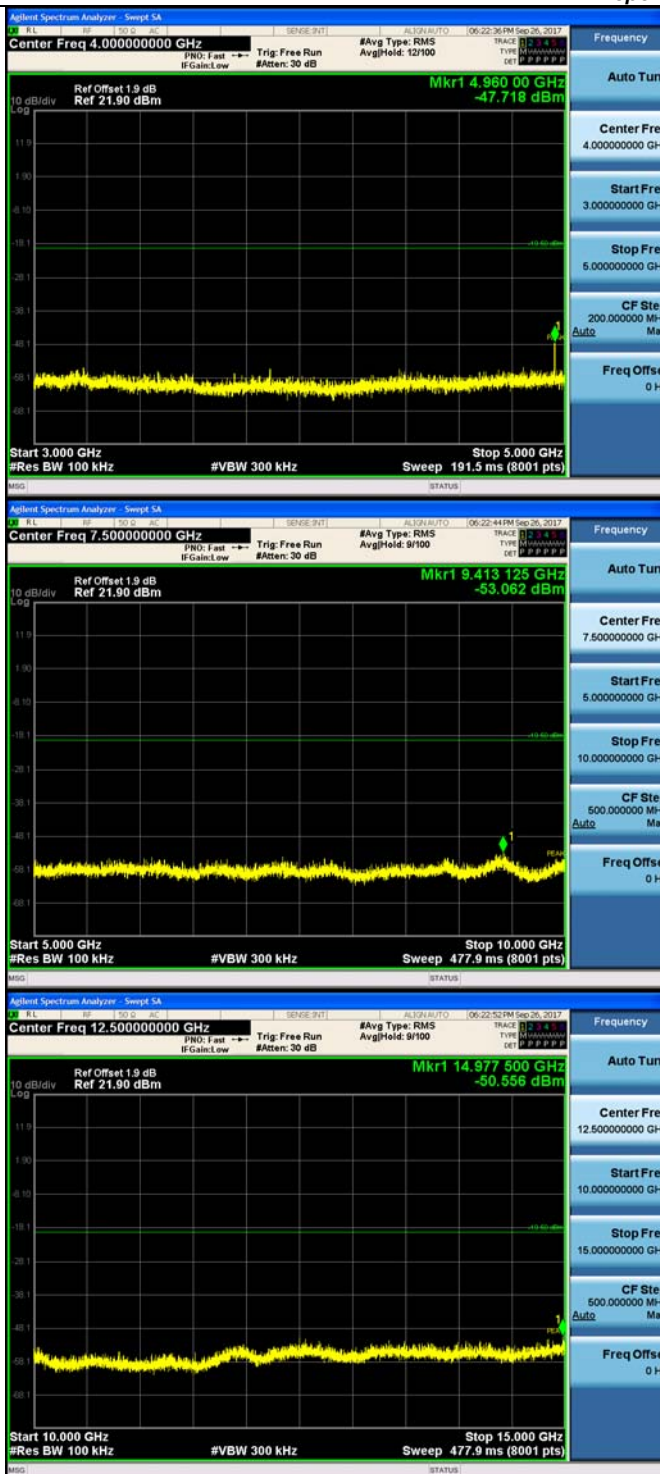


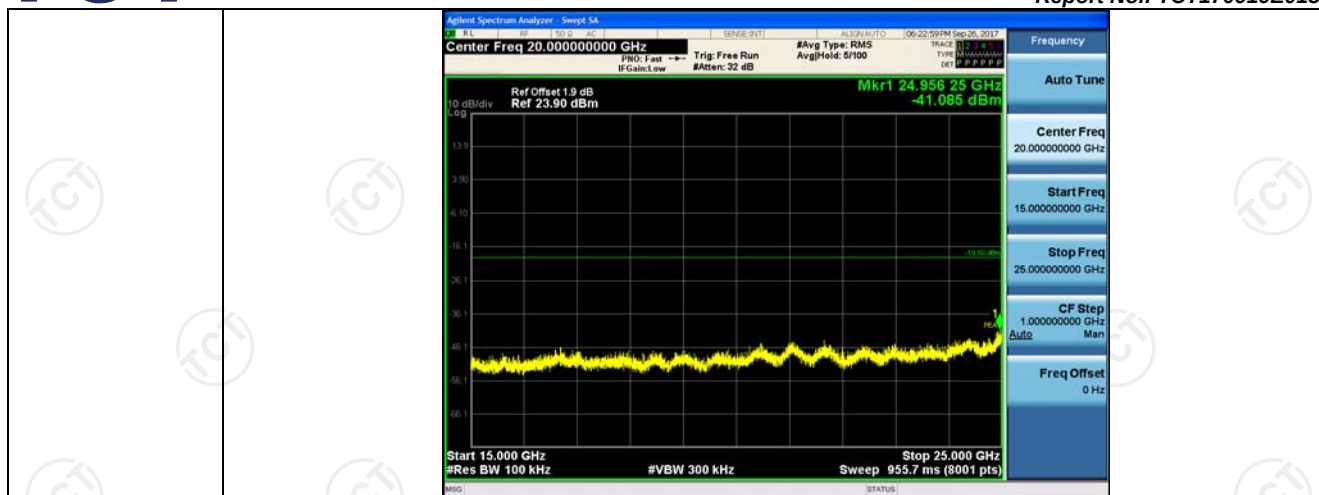




8DPSK_HCH Graphs





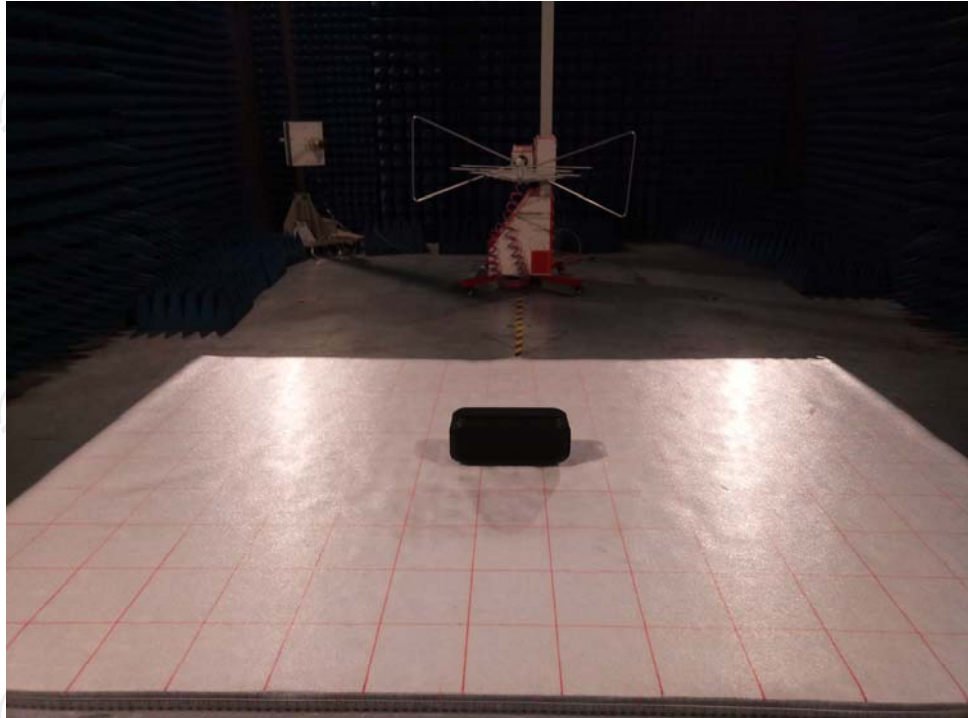


Appendix B: Photographs of Test Setup

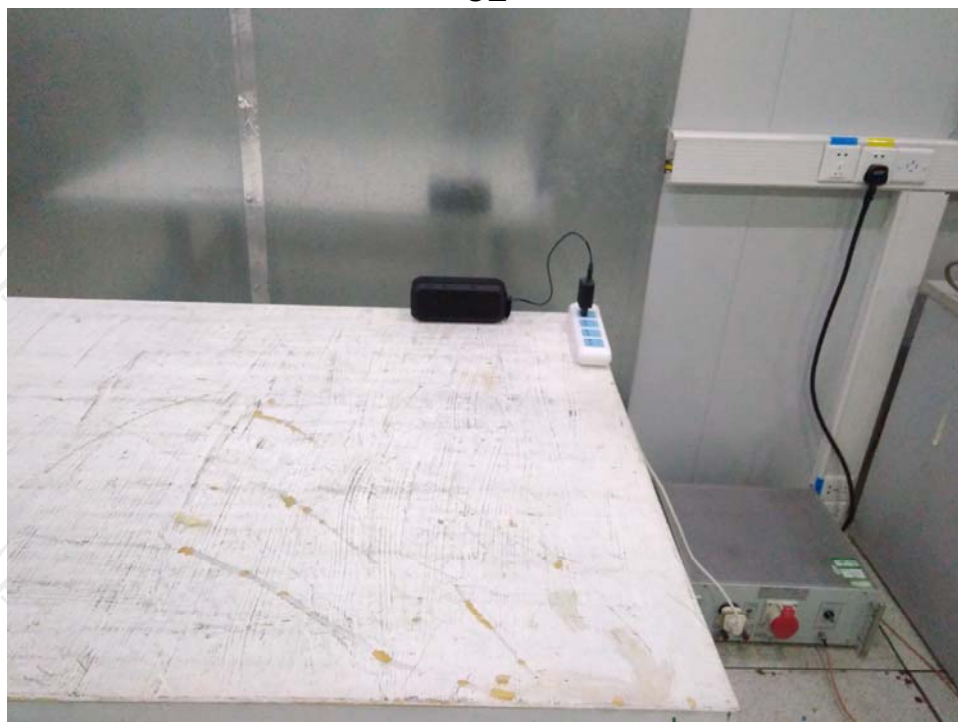
Product: Bluetooth Speaker

Model: Voombox-power

Radiated Emission



CE



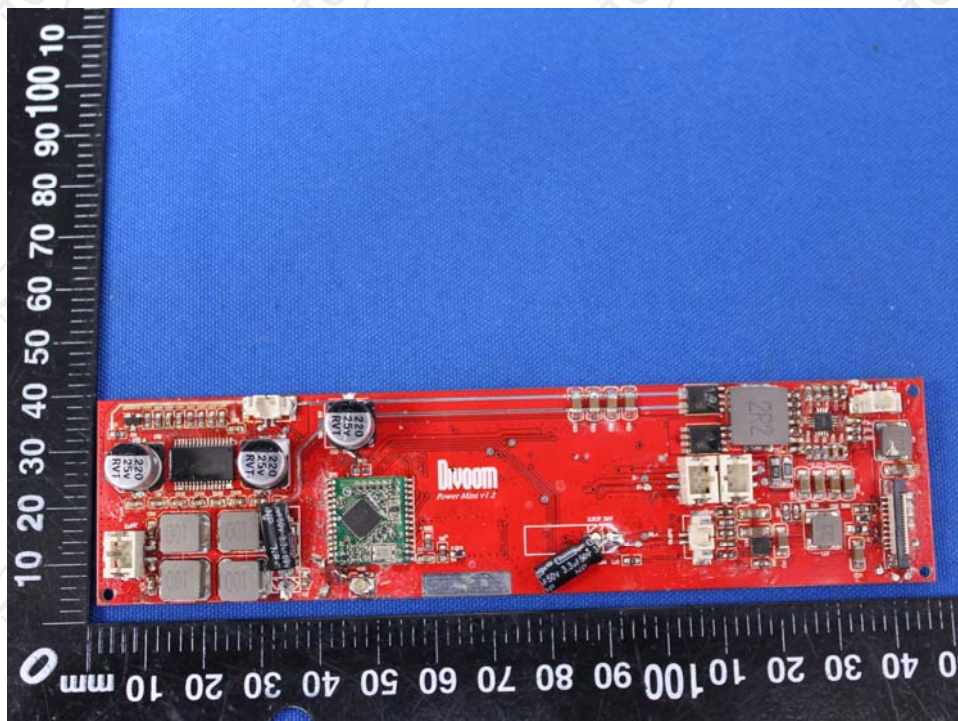
Appendix C: Photographs of EUT
Product: Bluetooth Speaker
Model: Voombox-power
External Photos

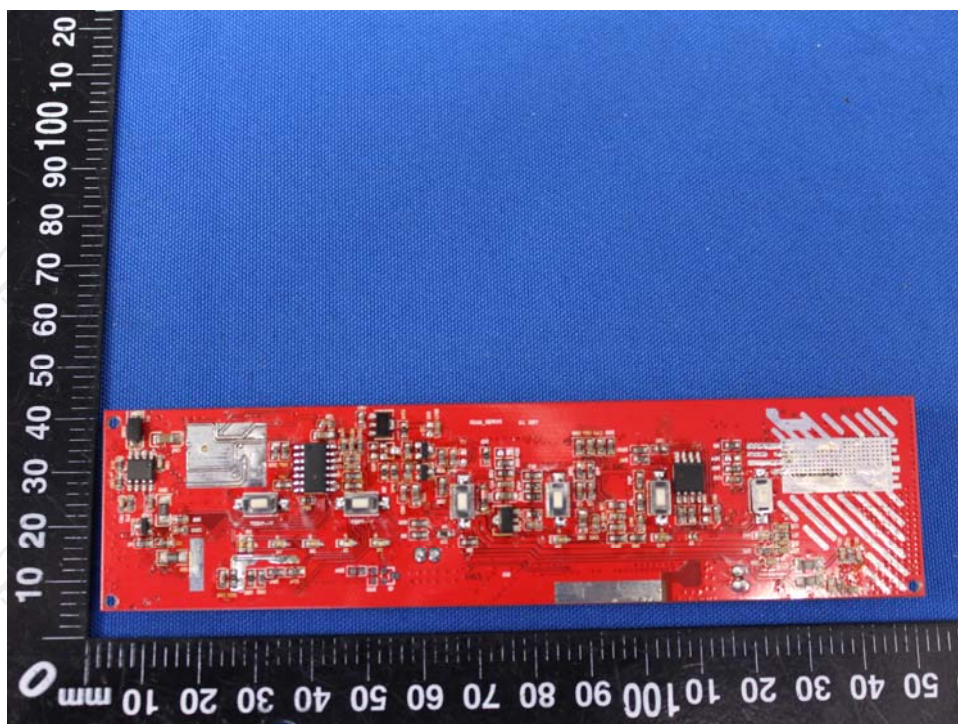


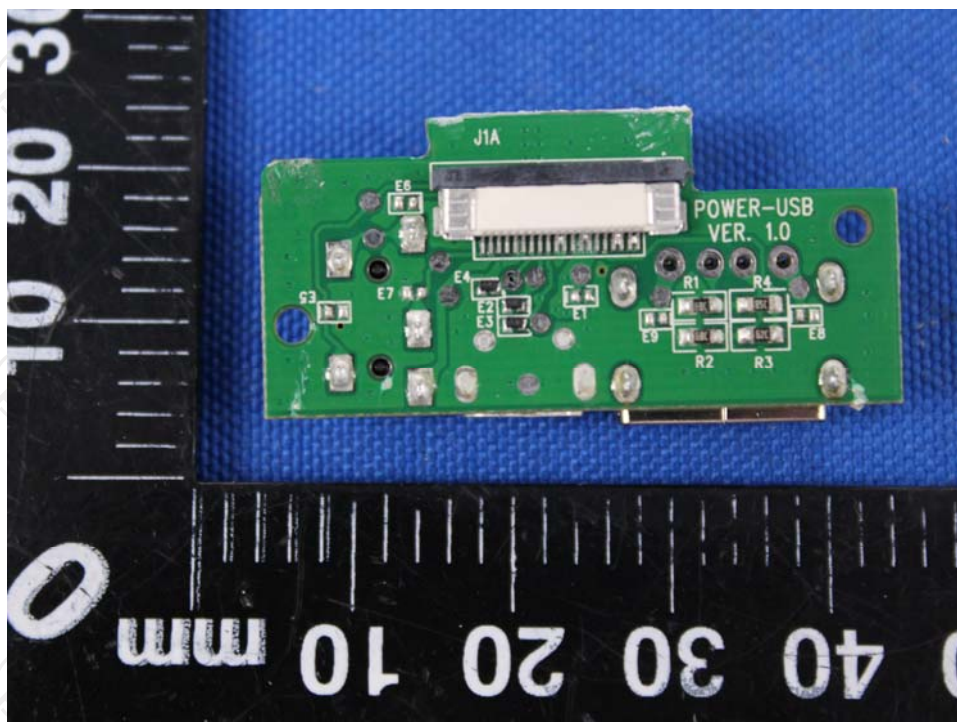
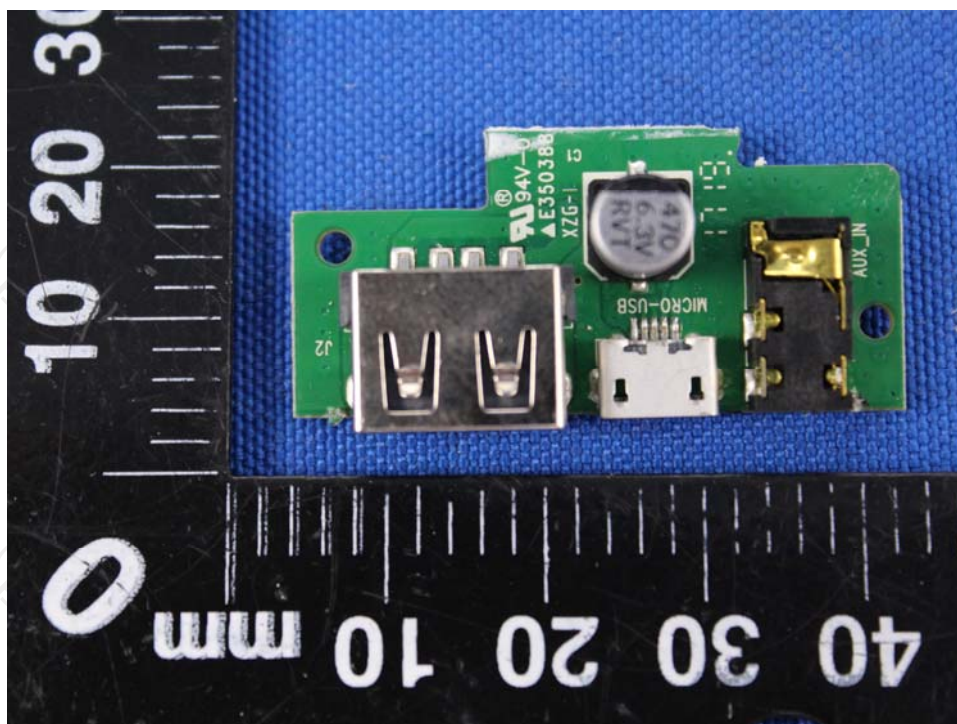


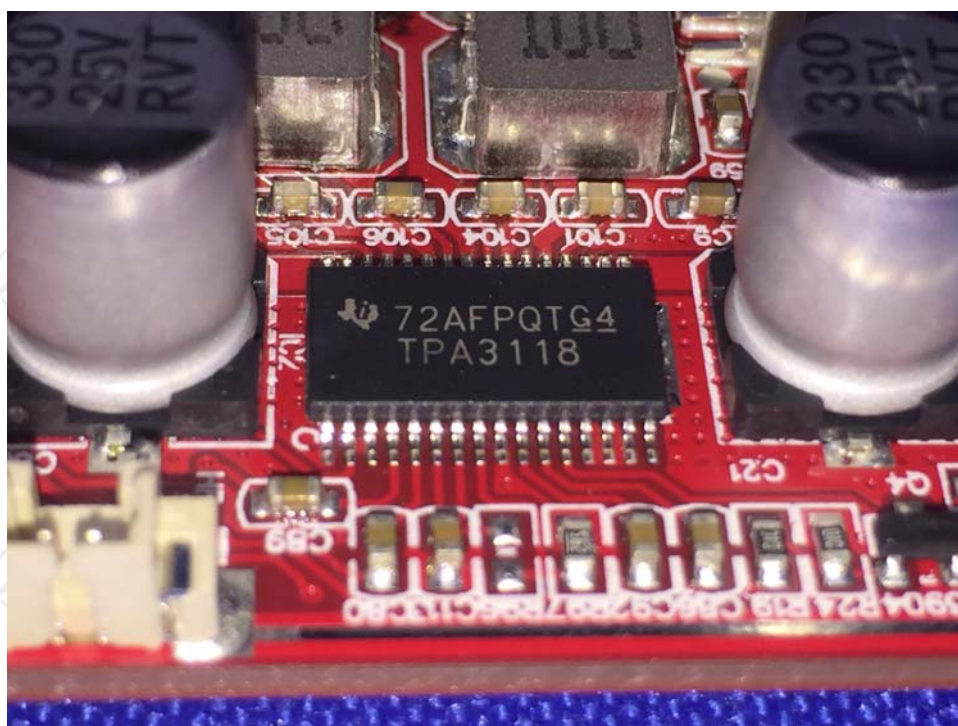


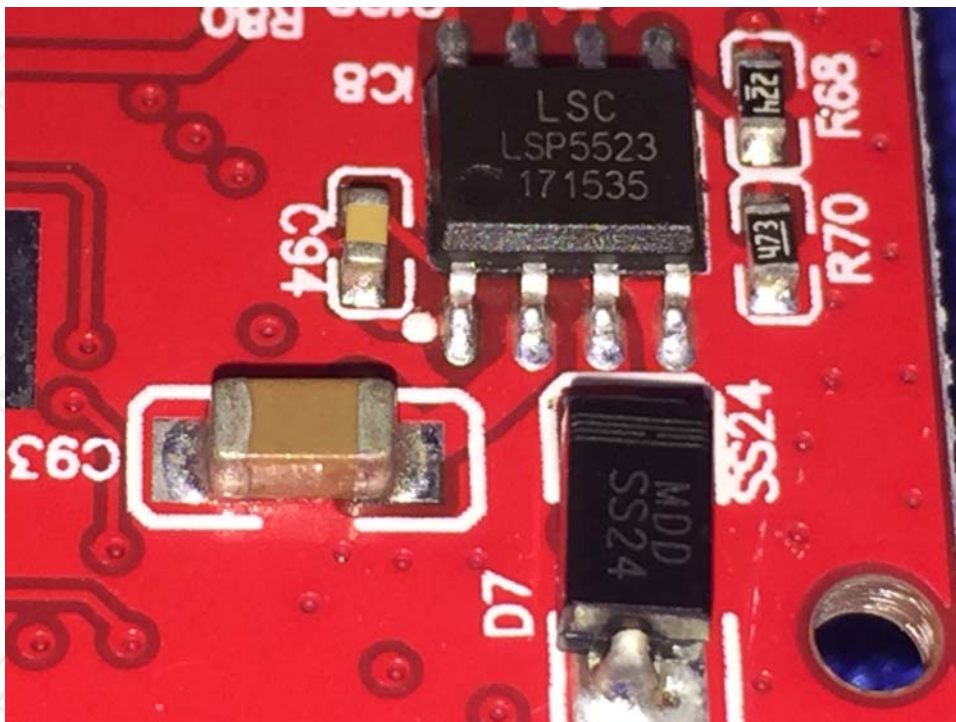
Product: Bluetooth Speaker
Model: Voombox-power
Internal Photos

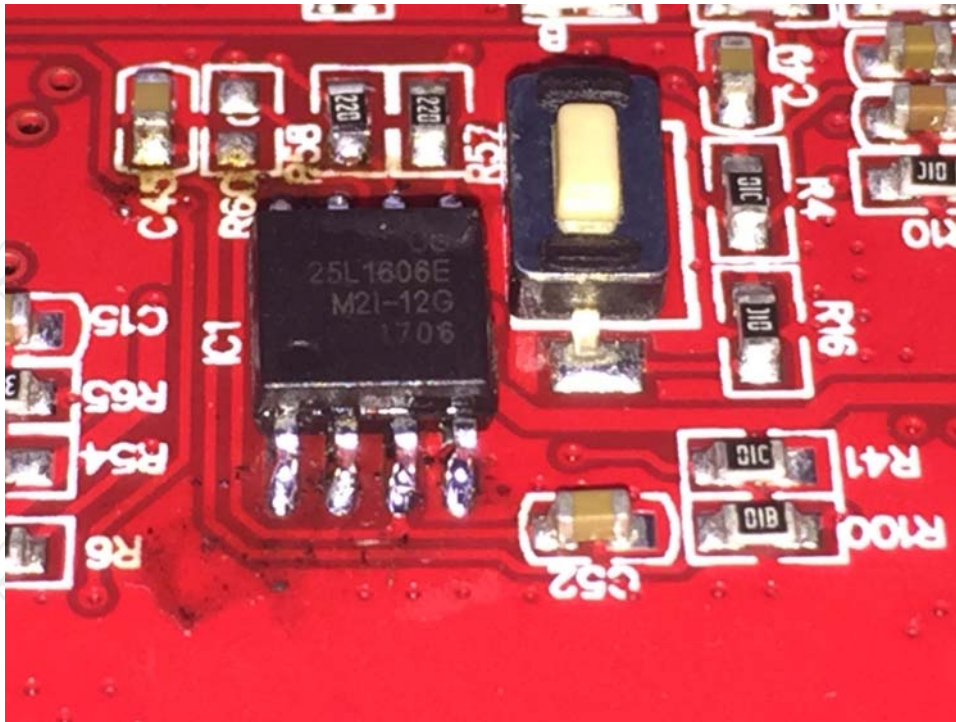


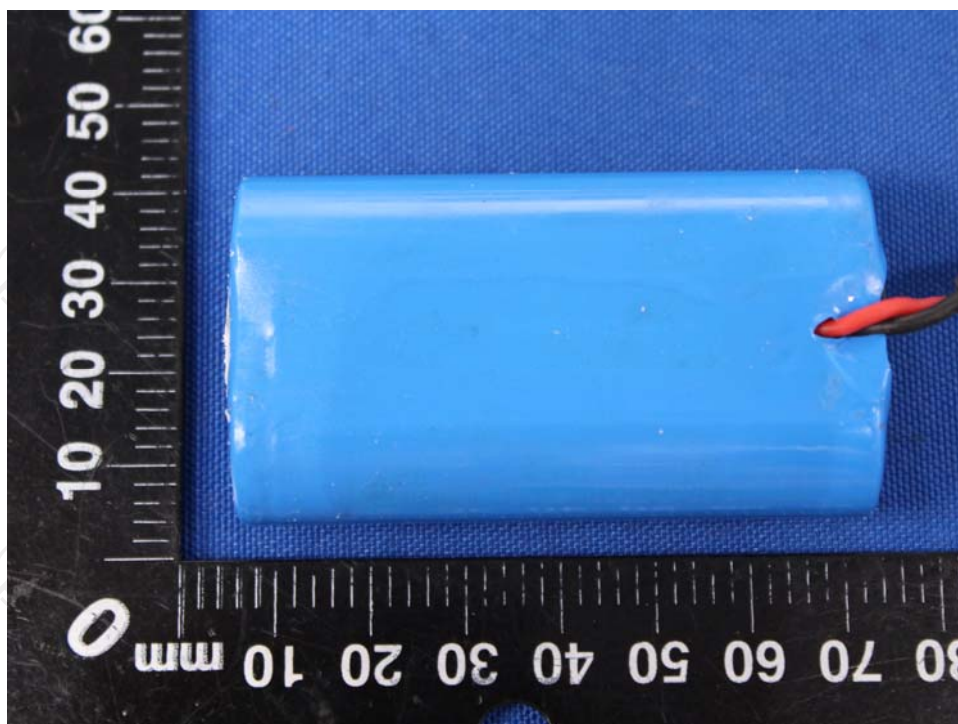












*******END OF REPORT*******