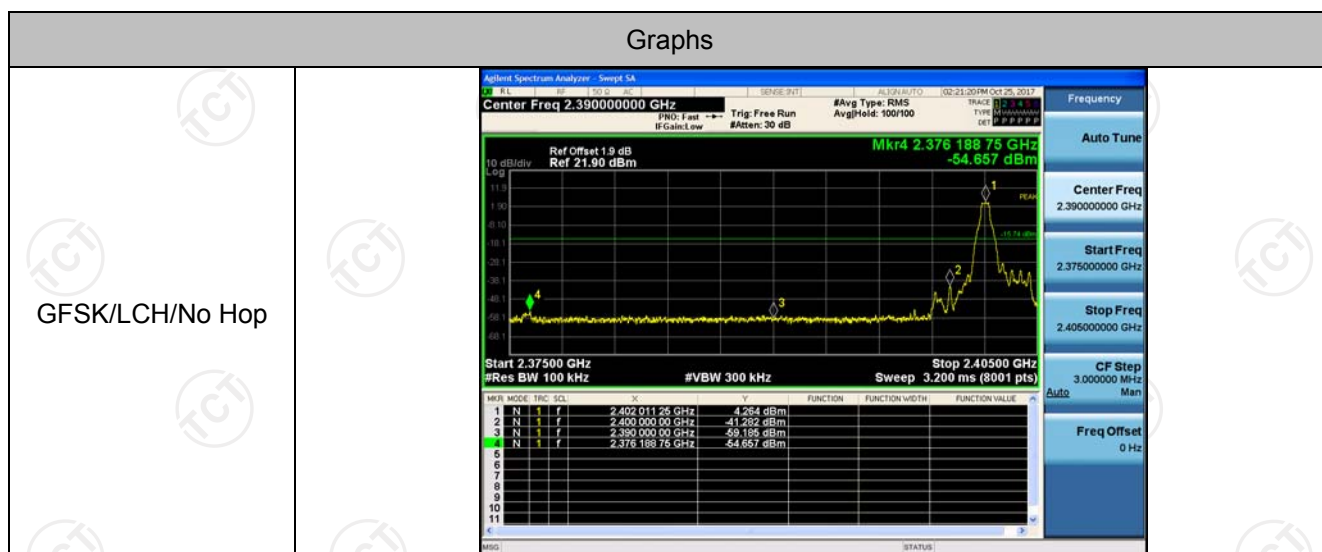


Band-edge for RF Conducted Emissions

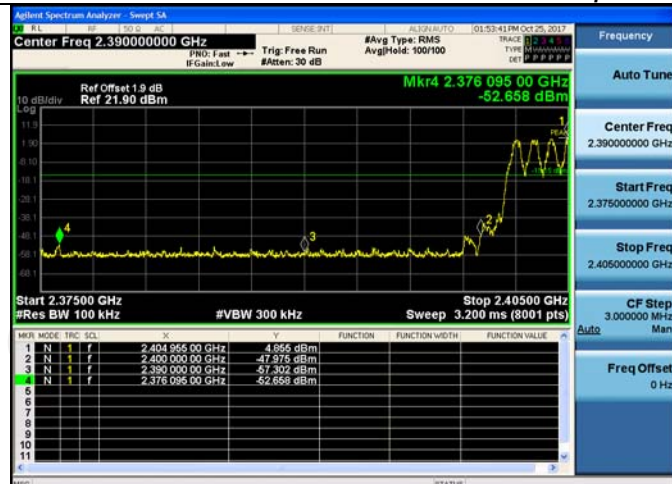
Result Table

Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	2402	4.264	Off	-54.657	-15.74	PASS
			4.855	On	-52.658	-15.15	PASS
GFSK	HCH	2480	2.883	Off	-55.925	-17.12	PASS
			2.800	On	-54.410	-17.2	PASS
π /4DQPSK	LCH	2402	1.057	Off	-56.492	-18.94	PASS
			2.466	On	-55.651	-17.53	PASS
π /4DQPSK	HCH	2480	-0.112	Off	-55.575	-20.11	PASS
			-0.152	On	-55.648	-20.15	PASS
8DPSK	LCH	2402	1.072	Off	-55.241	-18.93	PASS
			2.557	On	-55.581	-17.44	PASS
8DPSK	HCH	2480	-0.018	Off	-55.897	-20.02	PASS
			-2.703	On	-56.235	-22.7	PASS

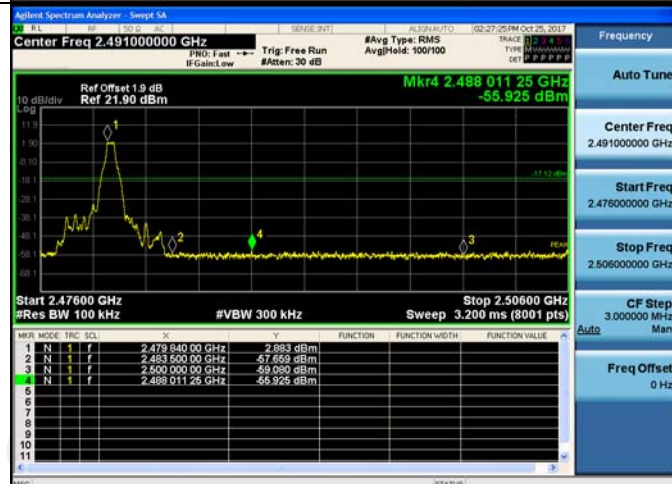
Test Graph



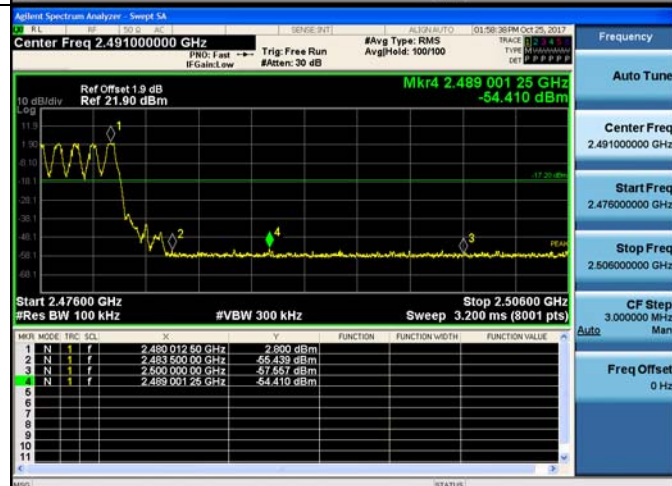
GFSK/LCH/Hop



GFSK/HCH/No Hop

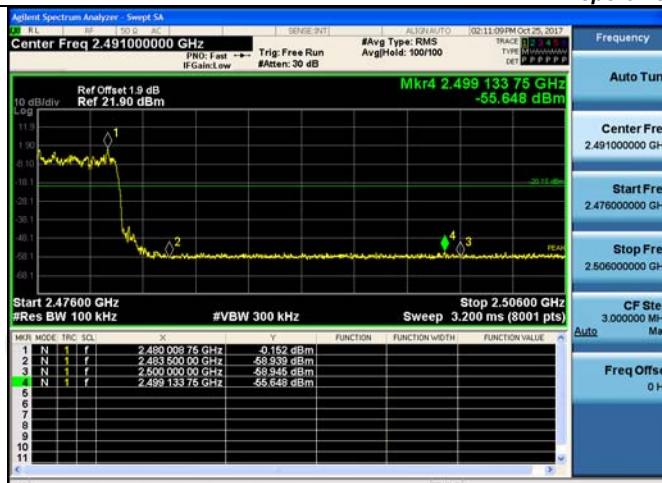


GFSK/HCH/Hop

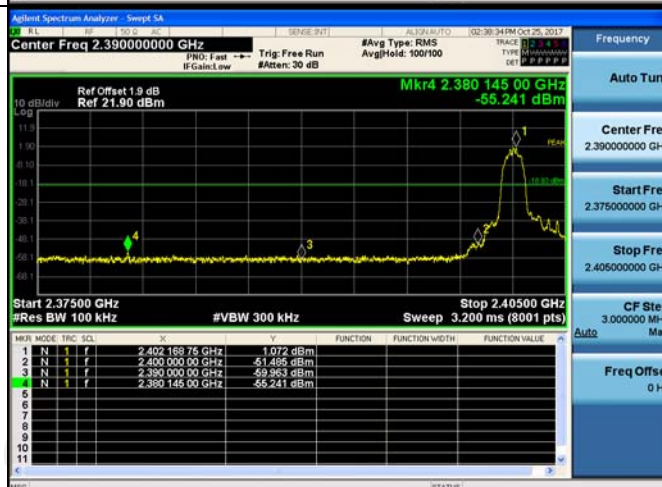


$\pi/4$ DQPSK/LCH/No Hop	Agilent Spectrum Analyzer - Sweep SA Center Freq 2.390000000 GHz Ref Offset 1.9 dB Ref 21.90 dBm Mkr4 2.375 926 25 GHz -56.492 dBm Start 2.37500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.200 ms (8001 pts) <table><thead><tr><th>MNR</th><th>MODE</th><th>TRC</th><th>SCL</th><th>X</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>2.402 011 26 GHz</td><td>1.067 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 00 GHz</td><td>-51.300 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 00 GHz</td><td>-59.131 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.375 926 25 GHz</td><td>-56.492 dBm</td><td></td><td></td><td></td></tr></tbody></table> Frequency Auto Tune Center Freq 2.390000000 GHz Start Freq 2.375000000 GHz Stop Freq 2.405000000 GHz CF Step 3.000000 MHz Auto Freq Offset 0 Hz	MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.402 011 26 GHz	1.067 dBm				2	N	1	f	2.400 000 00 GHz	-51.300 dBm				3	N	1	f	2.390 000 00 GHz	-59.131 dBm				4	N	1	f	2.375 926 25 GHz	-56.492 dBm			
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$\pi/4$ DQPSK/LCH/Hop	Agilent Spectrum Analyzer - Sweep SA Center Freq 2.390000000 GHz Ref Offset 1.9 dB Ref 21.90 dBm Mkr4 2.388 091 25 GHz -55.651 dBm Start 2.37500 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.200 ms (8001 pts) <table><thead><tr><th>MNR</th><th>MODE</th><th>TRC</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>2.403 008 76 GHz</td><td>2.466 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 00 GHz</td><td>-52.216 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 00 GHz</td><td>-58.291 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.388 091 25 GHz</td><td>-55.651 dBm</td><td></td><td></td><td></td></tr></tbody></table> Frequency Auto Tune Center Freq 2.390000000 GHz Start Freq 2.375000000 GHz Stop Freq 2.405000000 GHz CF Step 3.000000 MHz Auto Freq Offset 0 Hz	MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.403 008 76 GHz	2.466 dBm				2	N	1	f	2.400 000 00 GHz	-52.216 dBm				3	N	1	f	2.390 000 00 GHz	-58.291 dBm				4	N	1	f	2.388 091 25 GHz	-55.651 dBm			
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$\pi/4$ DQPSK/HCH/No Hop	Agilent Spectrum Analyzer - Sweep SA Center Freq 2.491000000 GHz Ref Offset 1.9 dB Ref 21.90 dBm Mkr4 2.490 107 50 GHz -55.575 dBm Start 2.47600 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 3.200 ms (8001 pts) <table><thead><tr><th>MNR</th><th>MODE</th><th>TRC</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>2.490 000 76 GHz</td><td>-9.112 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.483 500 00 GHz</td><td>-57.621 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.500 000 00 GHz</td><td>-58.444 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.490 107 50 GHz</td><td>-55.575 dBm</td><td></td><td></td><td></td></tr></tbody></table> Frequency Auto Tune Center Freq 2.491000000 GHz Start Freq 2.476000000 GHz Stop Freq 2.506000000 GHz CF Step 3.000000 MHz Auto Freq Offset 0 Hz	MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.490 000 76 GHz	-9.112 dBm				2	N	1	f	2.483 500 00 GHz	-57.621 dBm				3	N	1	f	2.500 000 00 GHz	-58.444 dBm				4	N	1	f	2.490 107 50 GHz	-55.575 dBm			
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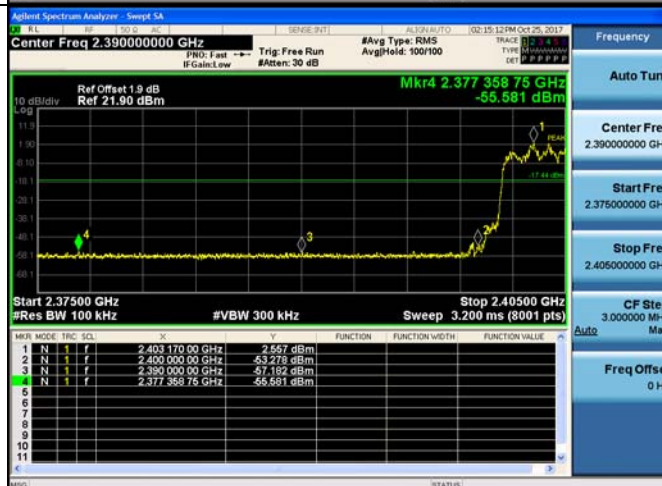
$\pi/4$ DQPSK/HCH/Hop



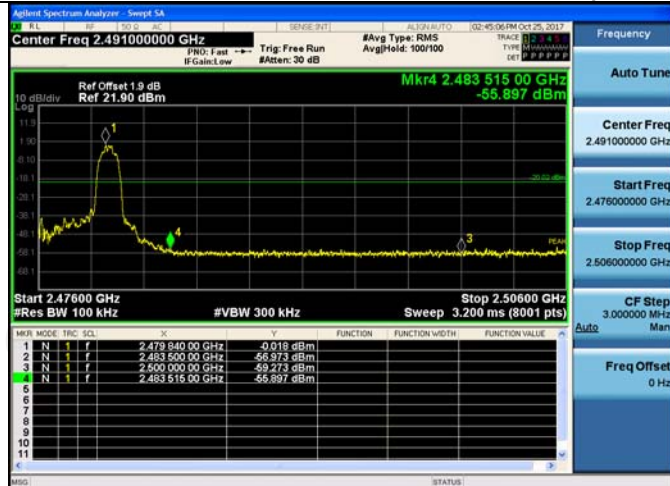
8DPSK/LCH/No Hop



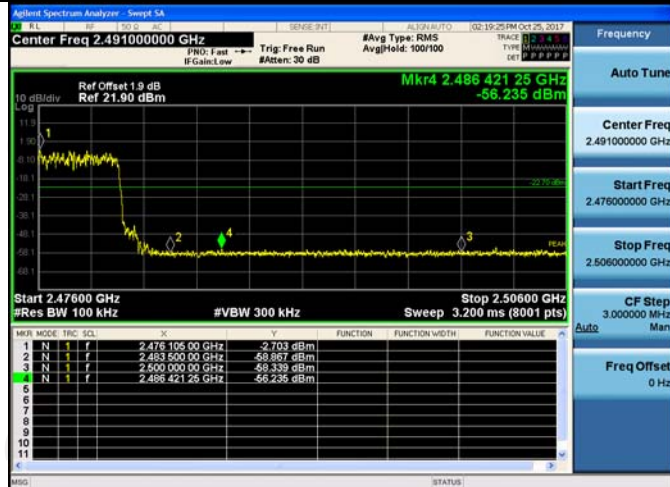
8DPSK/LCH/Hop



8DPSK/HCH/No Hop



8DPSK/HCH/Hop

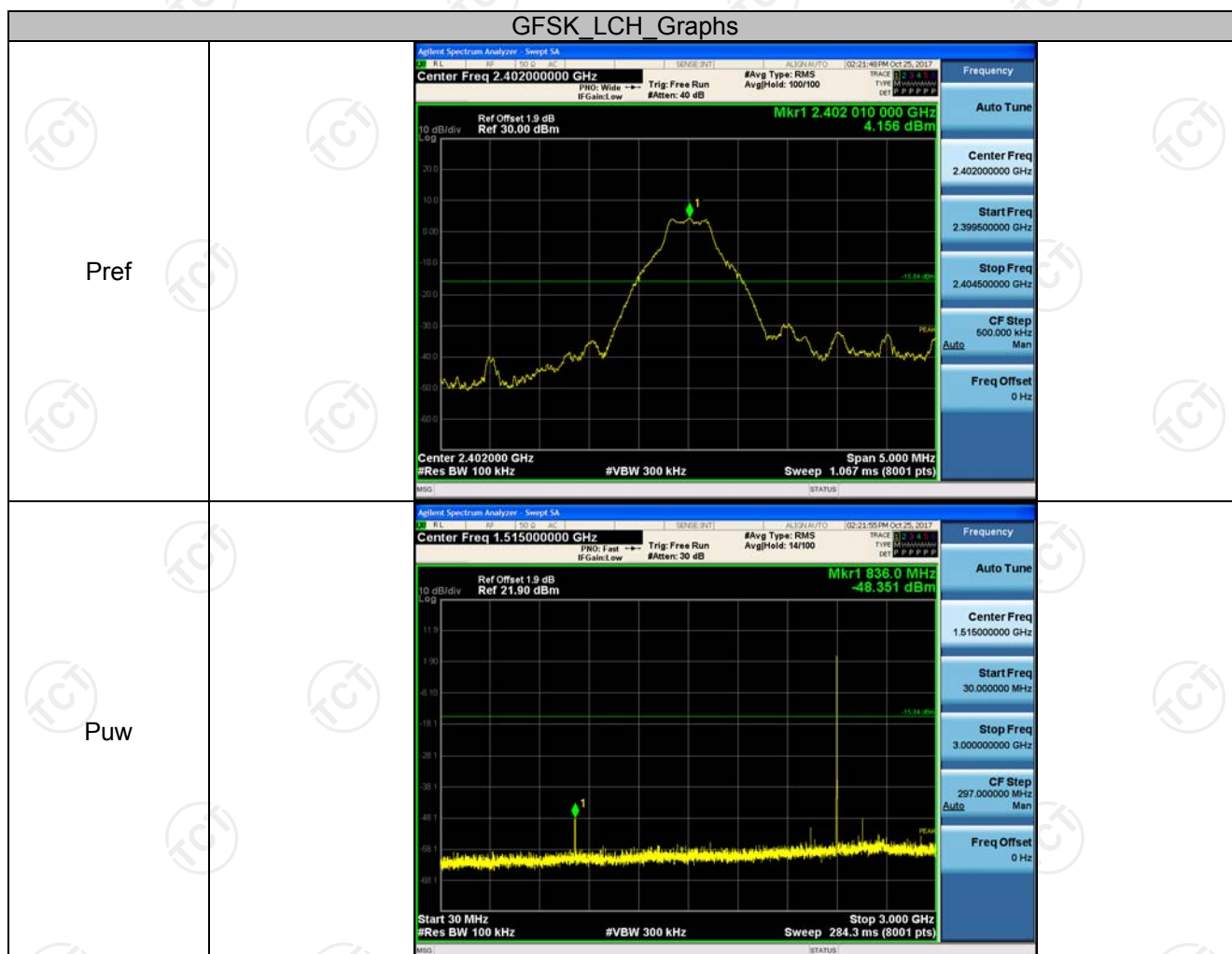


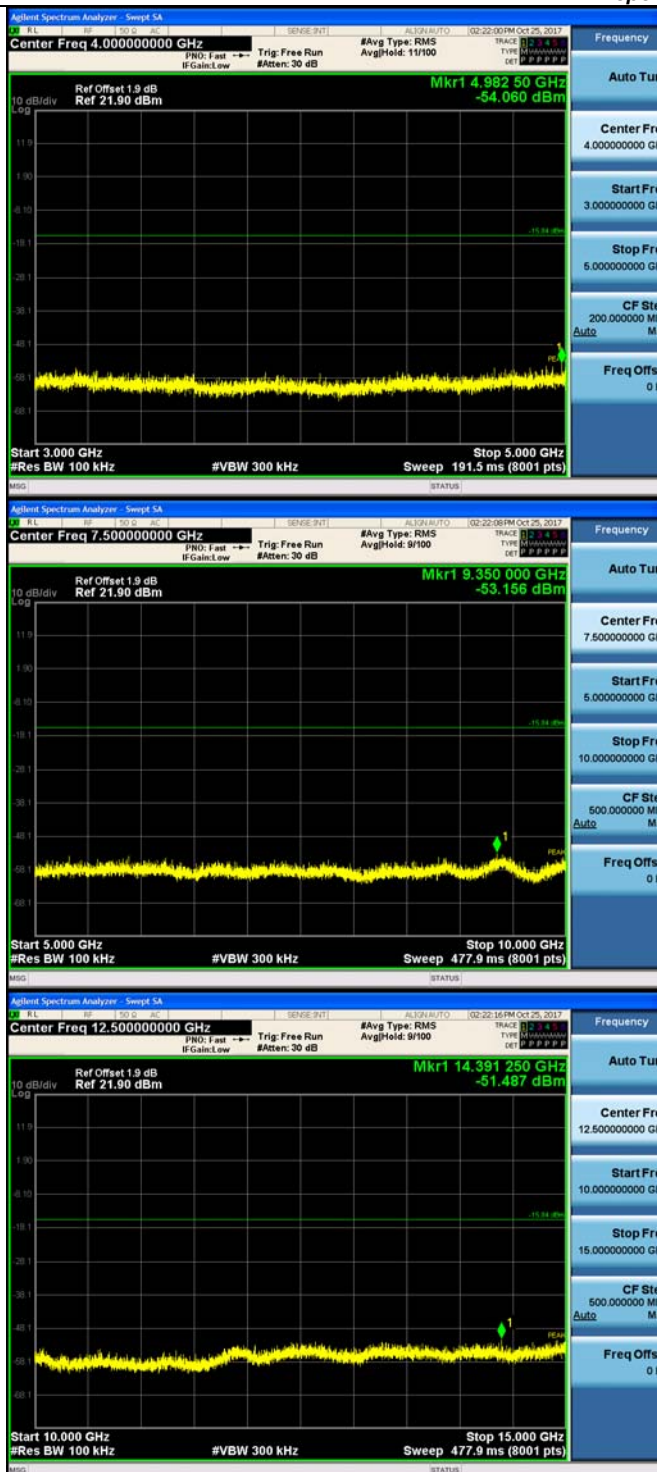
RF Conducted Spurious Emissions

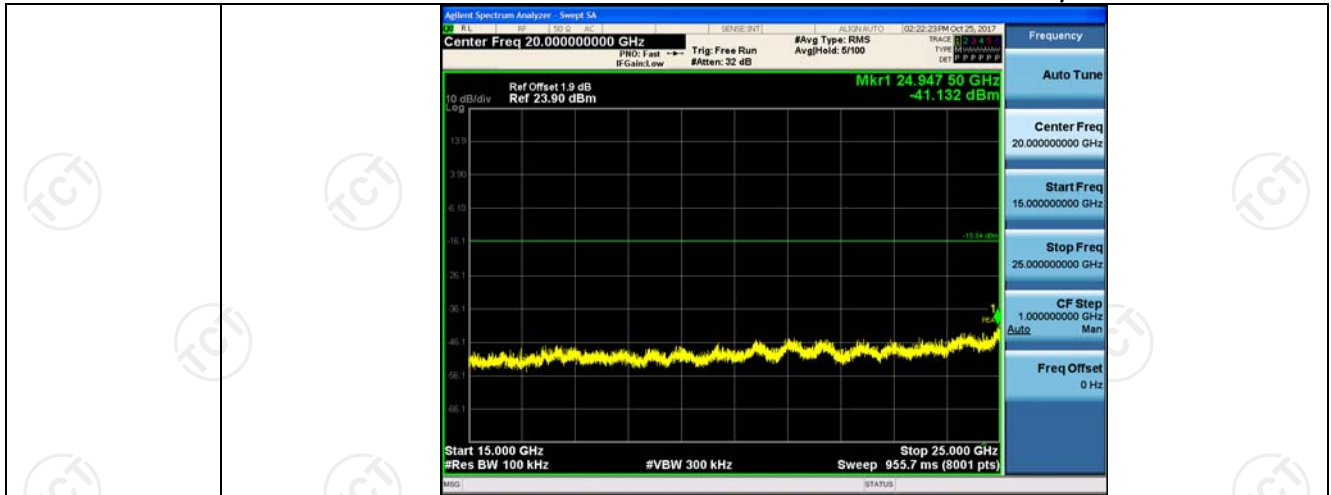
Result Table

Mode	Channel	Pref [dBm]	Puw [dBm]	Verdict
GFSK	LCH	4.156	<Limit	PASS
GFSK	MCH	5.444	<Limit	PASS
GFSK	HCH	2.831	<Limit	PASS
$\pi/4$ DQPSK	LCH	0.824	<Limit	PASS
$\pi/4$ DQPSK	MCH	2.425	<Limit	PASS
$\pi/4$ DQPSK	HCH	-0.198	<Limit	PASS
8DPSK	LCH	0.938	<Limit	PASS
8DPSK	MCH	2.09	<Limit	PASS
8DPSK	HCH	-0.296	<Limit	PASS

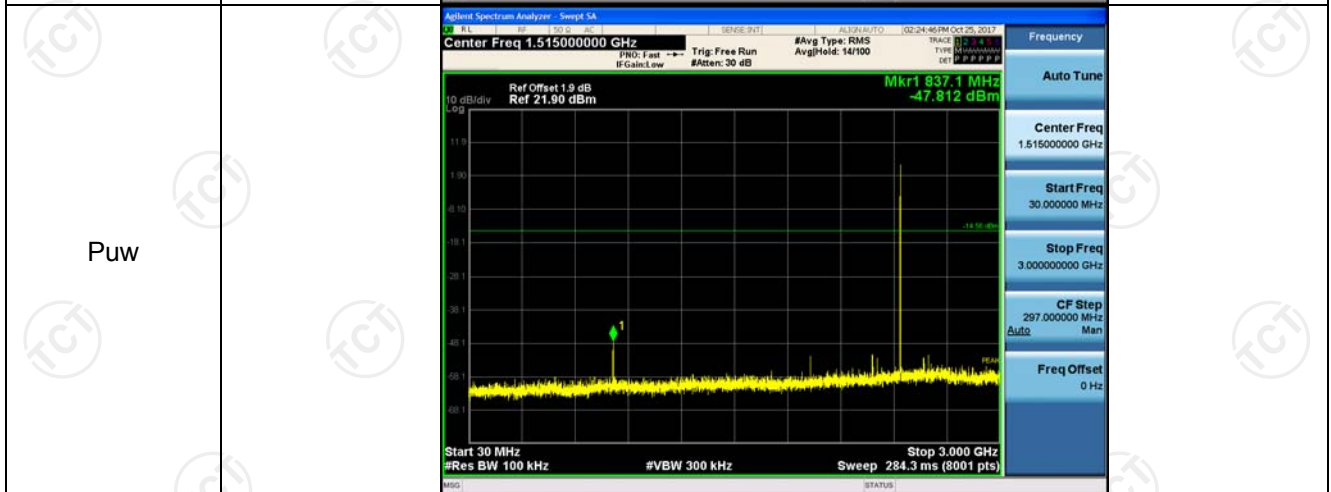
Test Graph



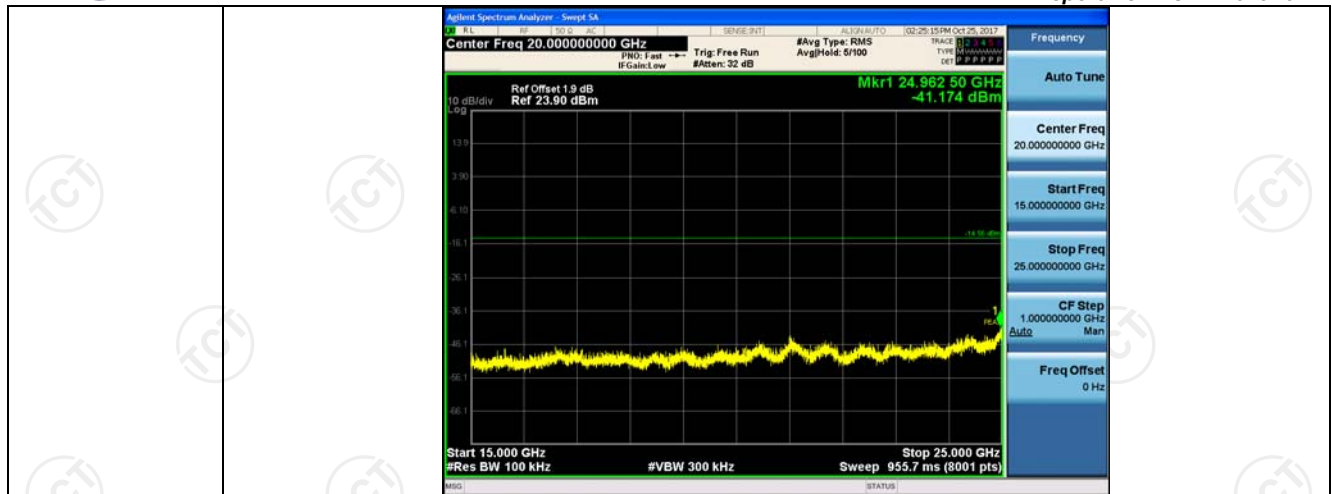




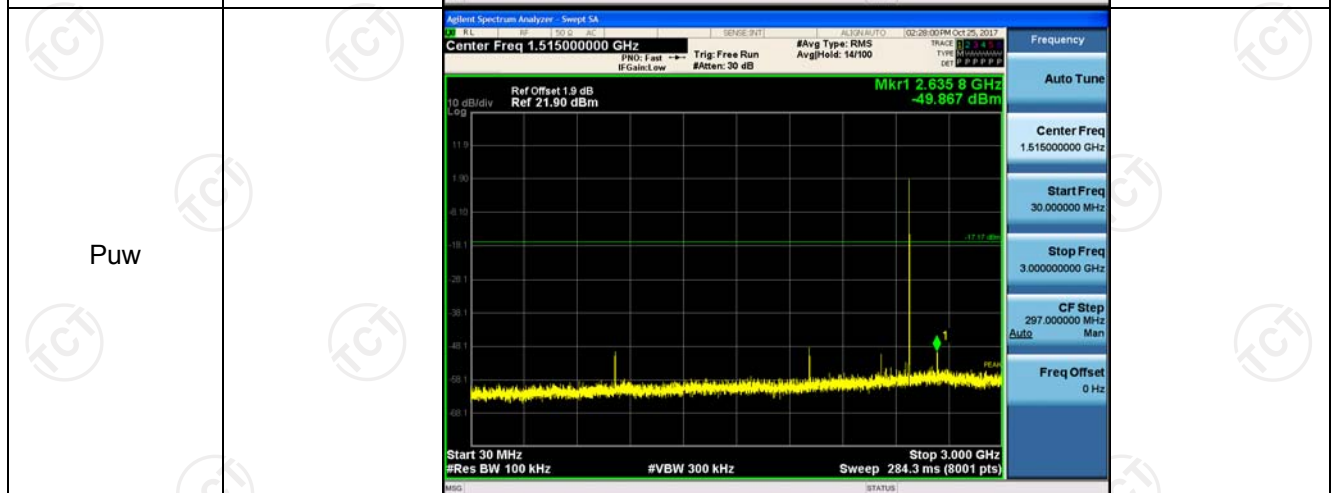
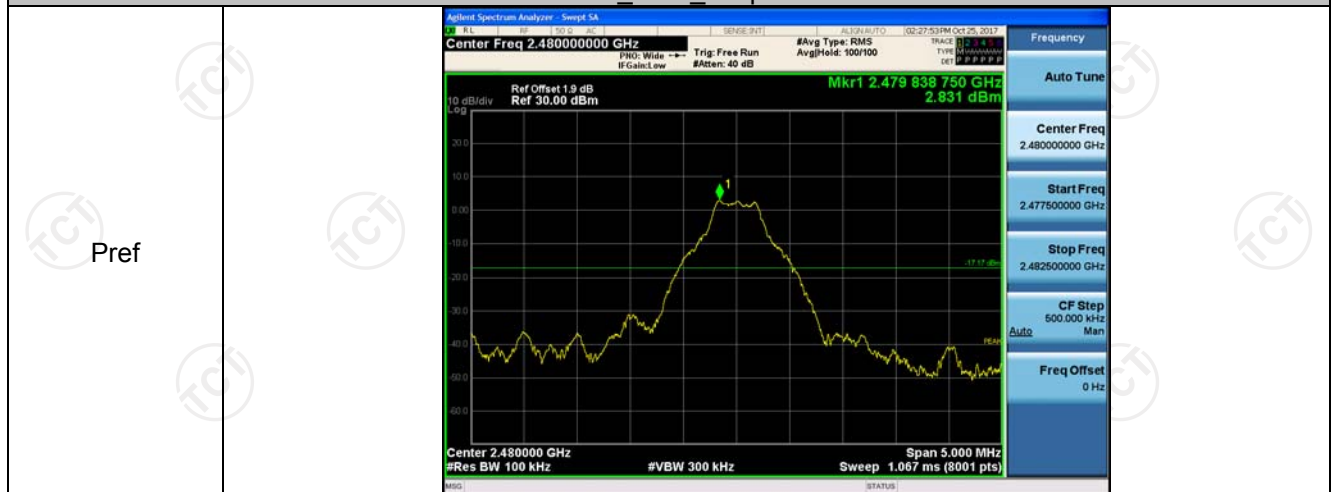
GFSK MCH_Graphs



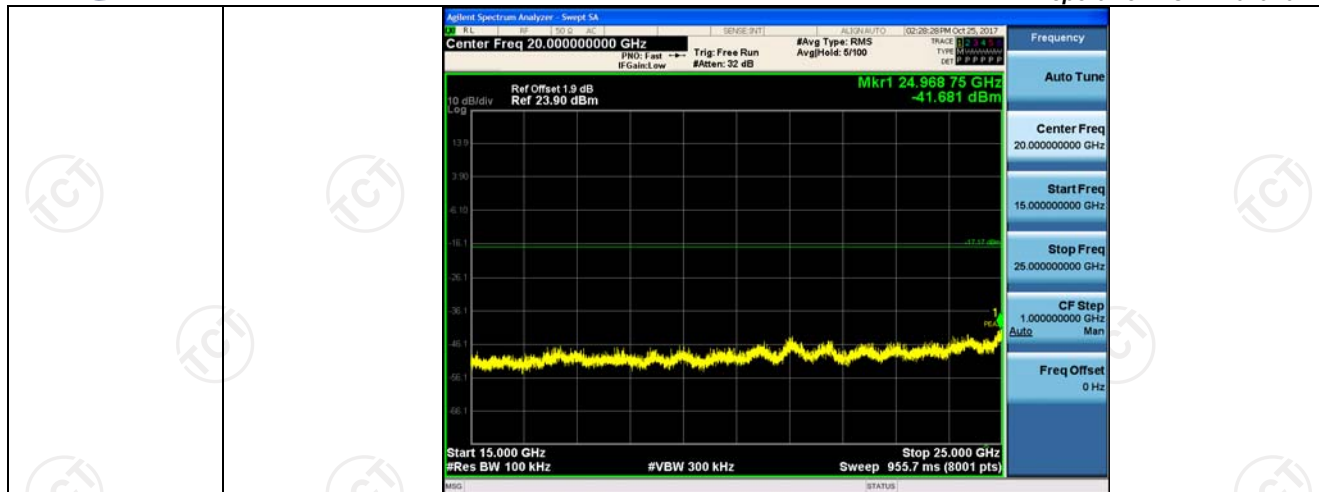




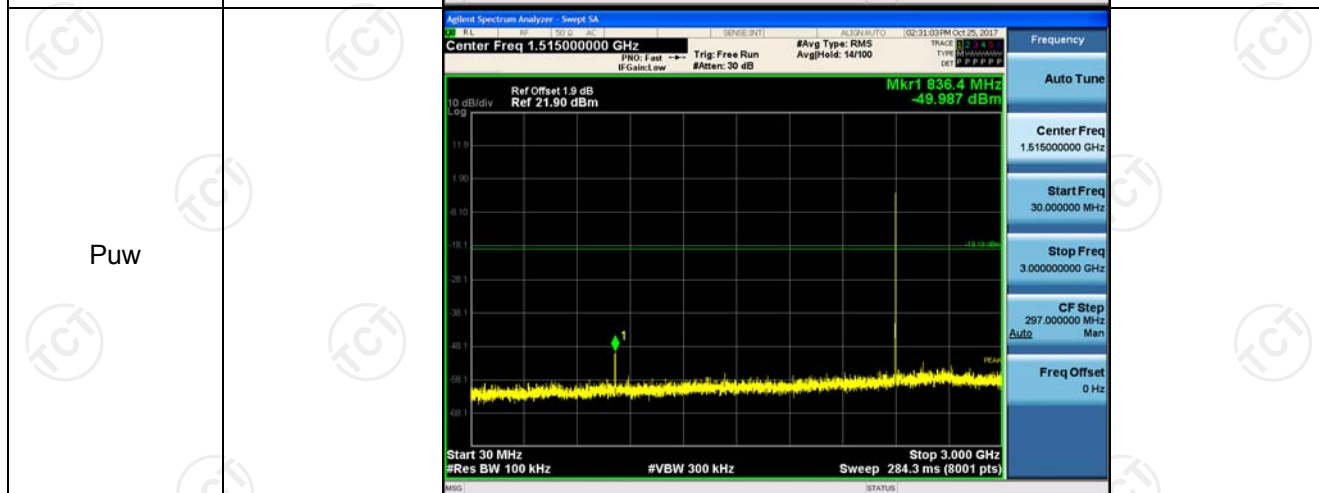
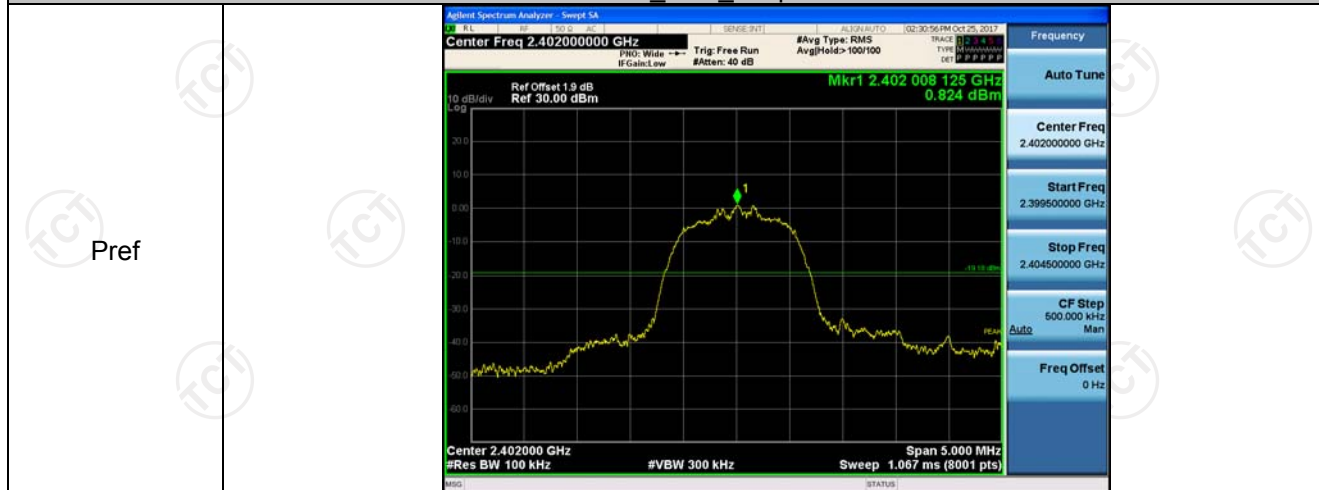
GFSK HCH_Graphs

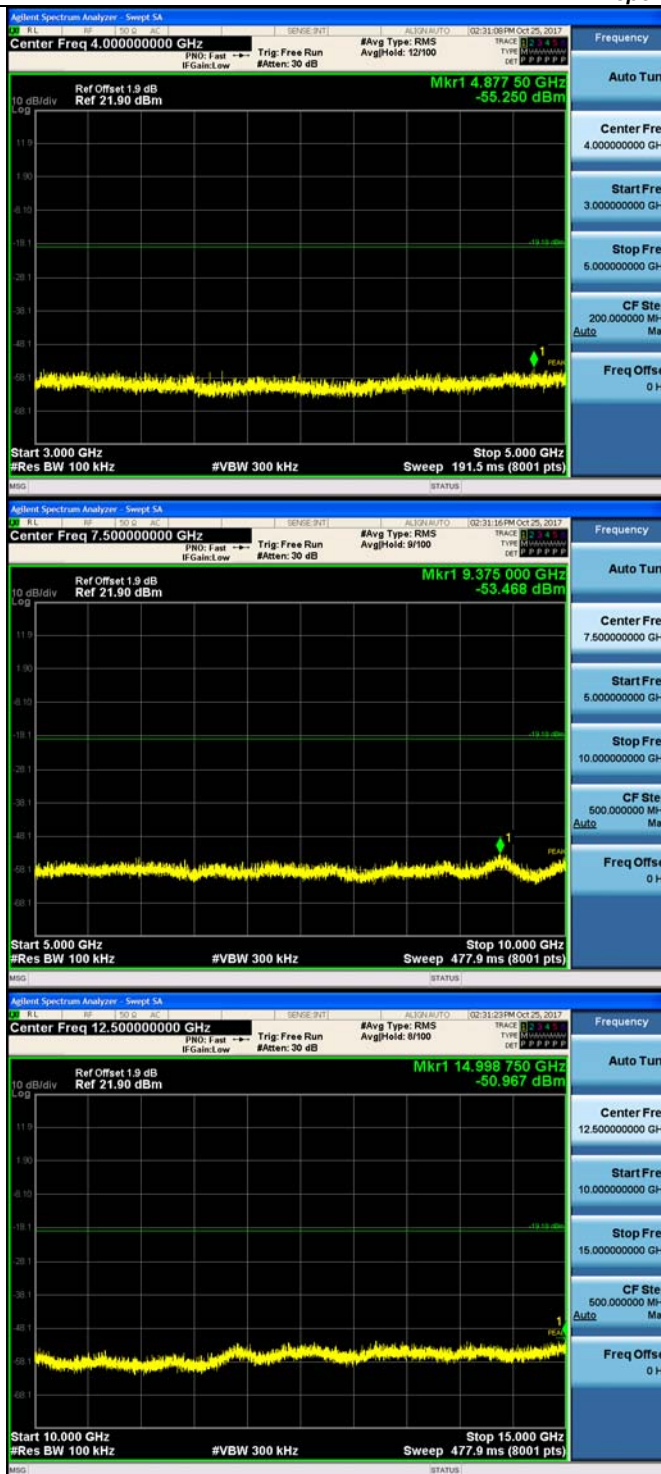


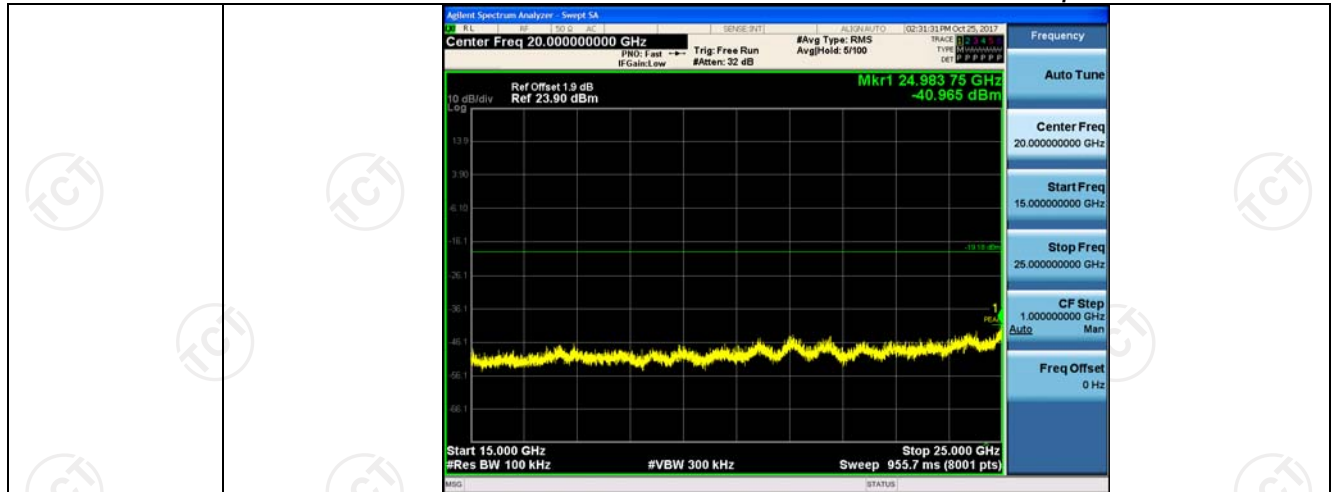




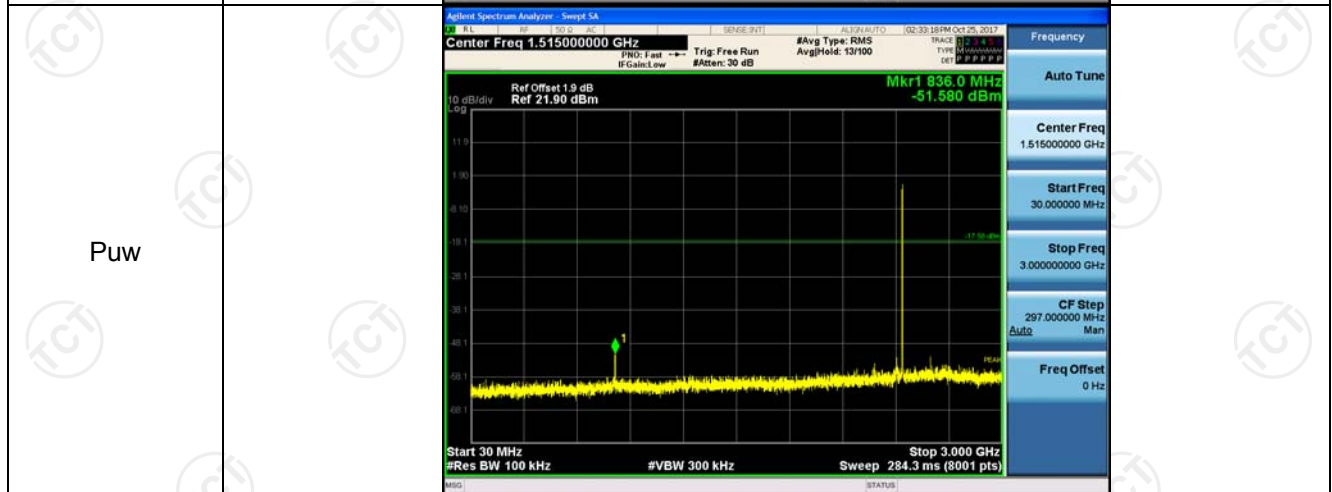
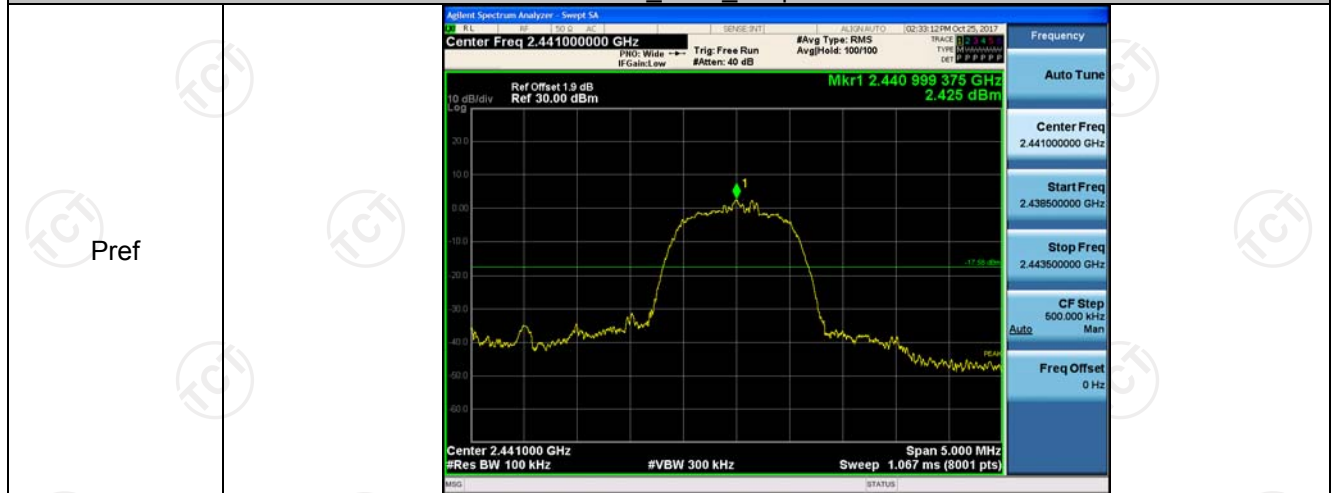
$\pi/4$ DQPSK LCH_Graphs

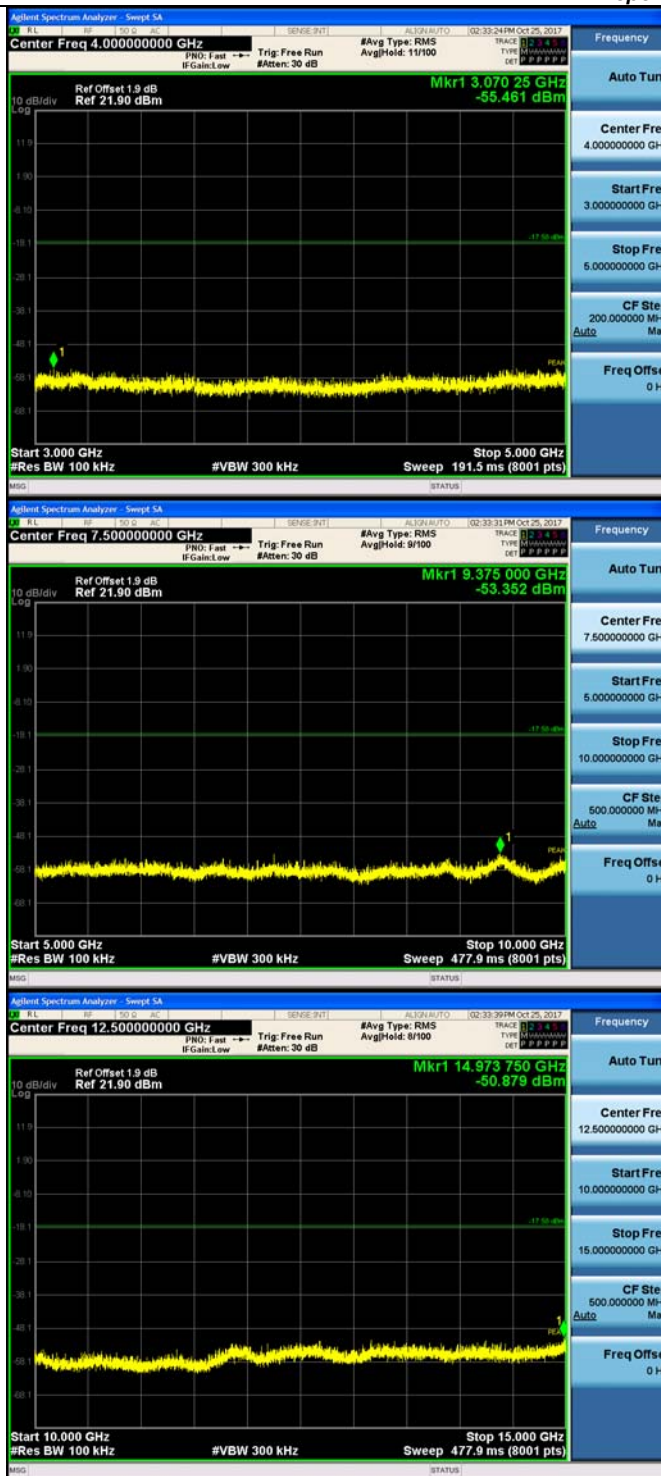


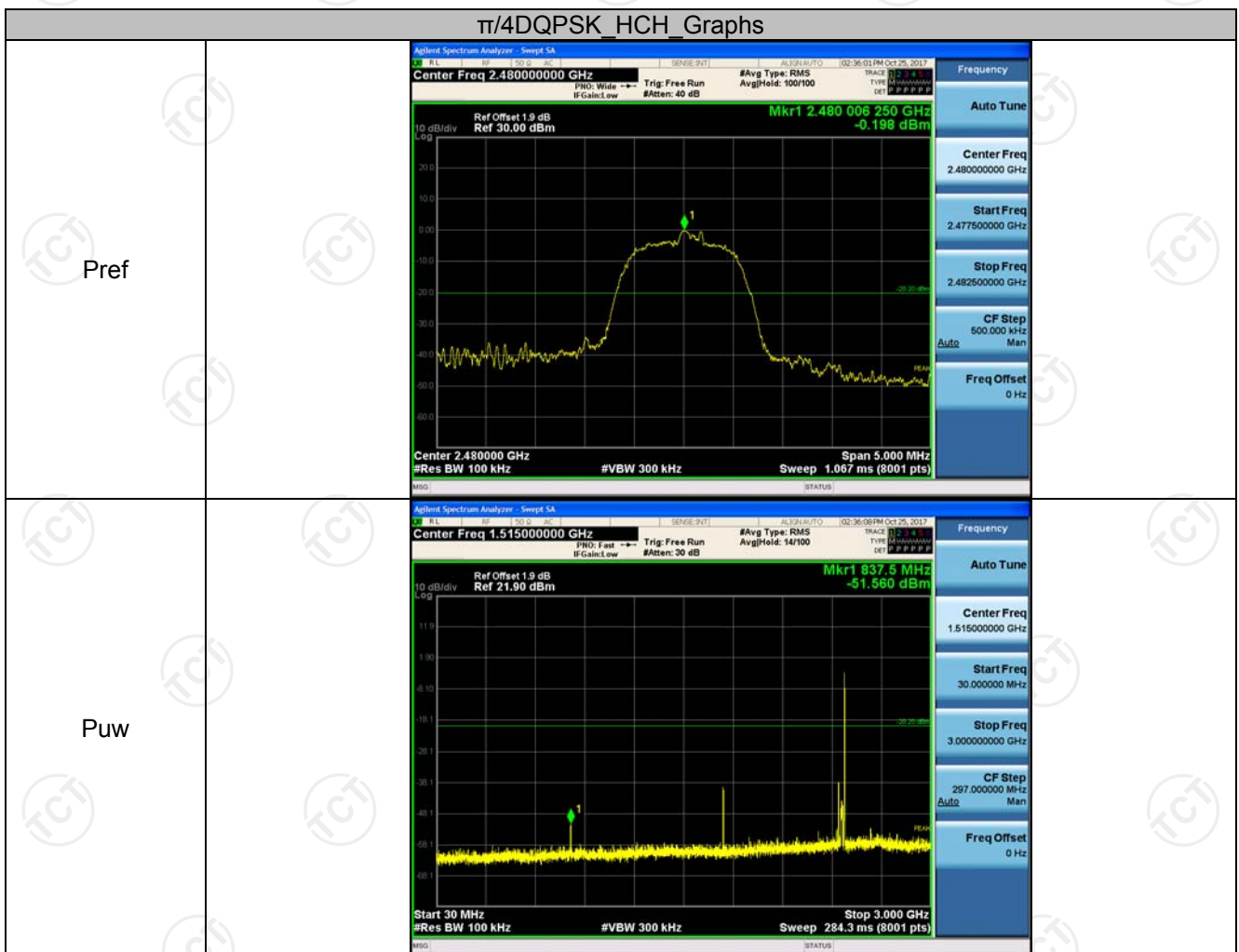
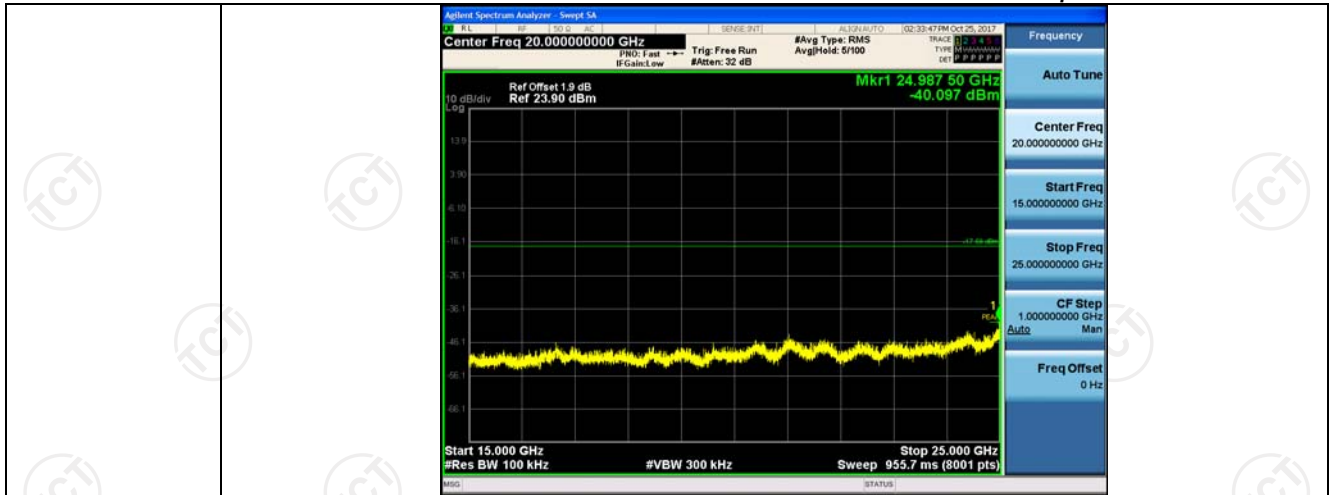




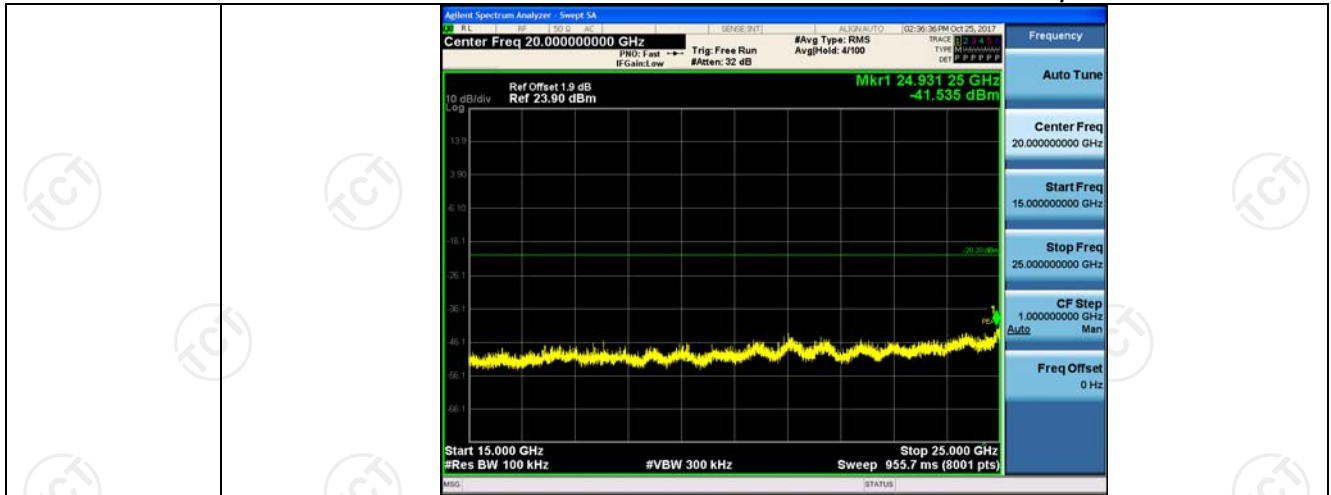
$\pi/4$ DQPSK_MCH_Graphs



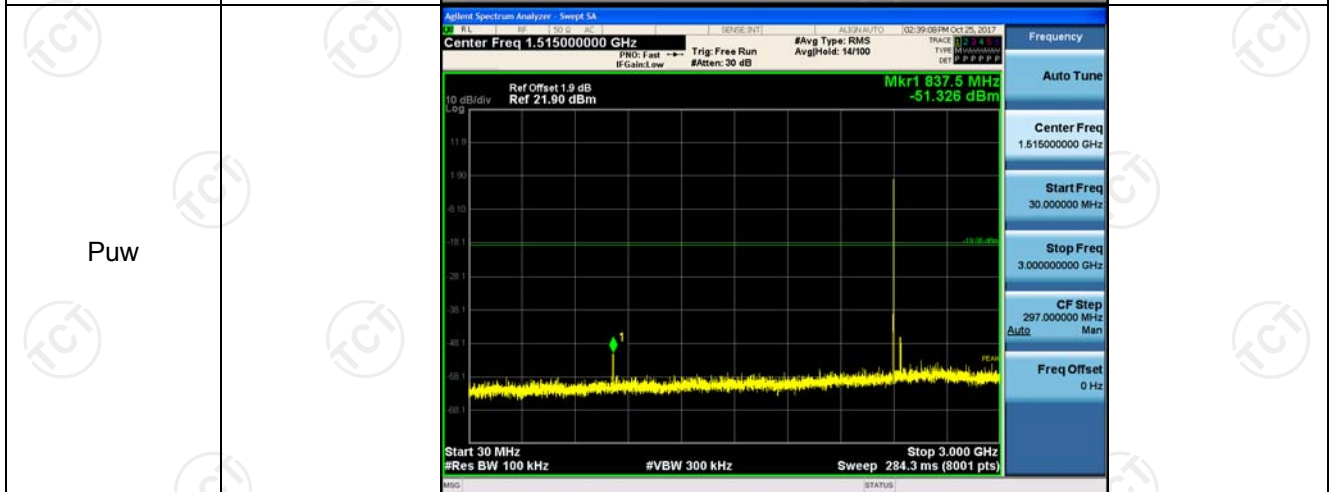
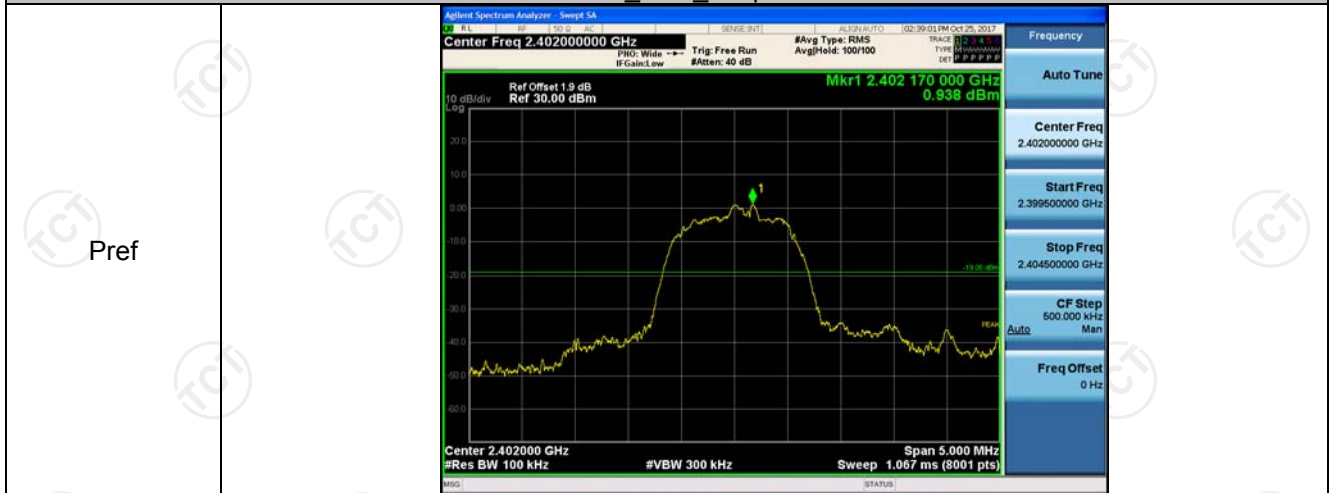


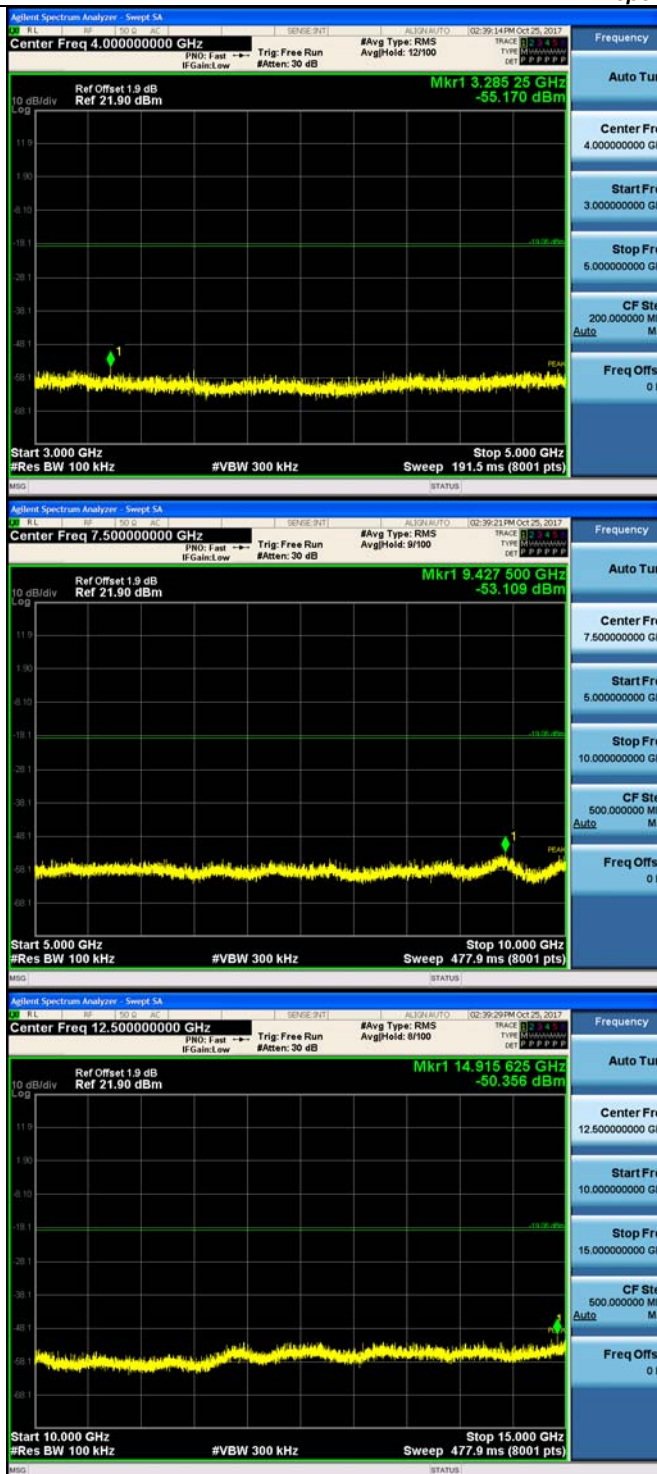


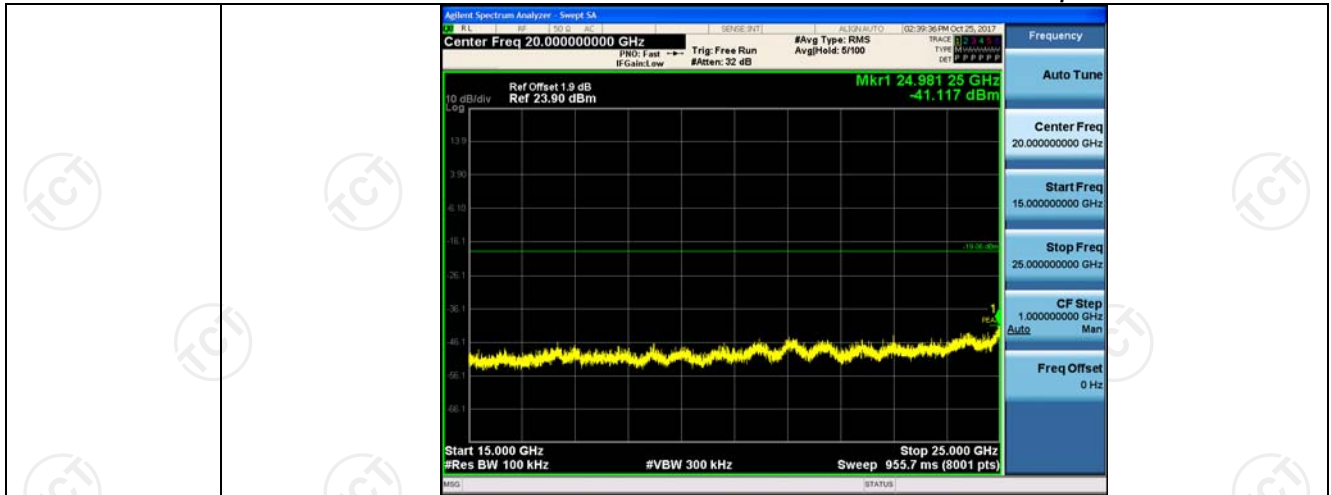




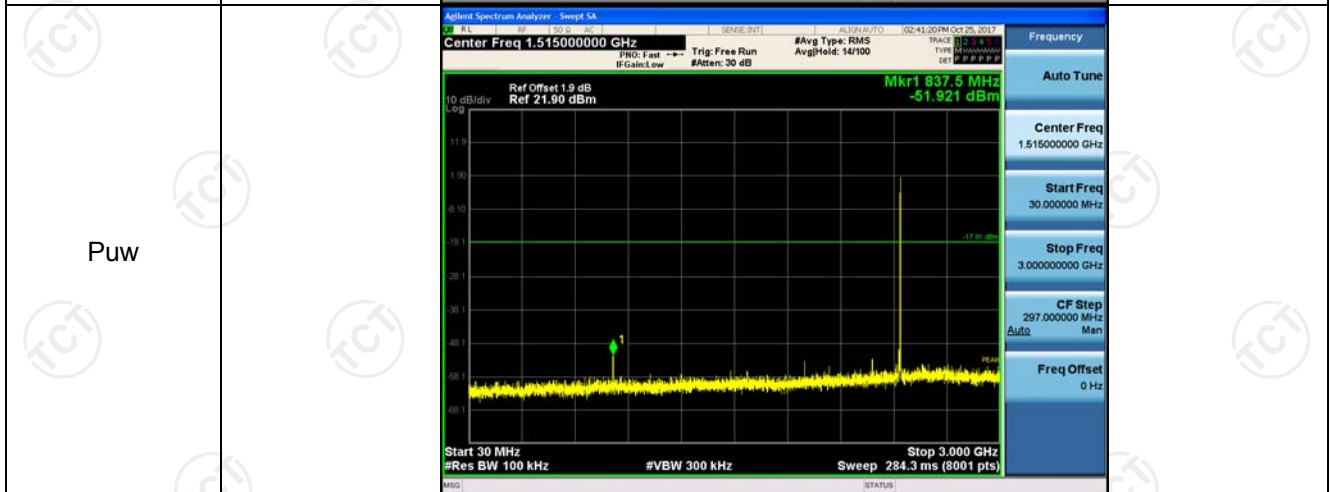
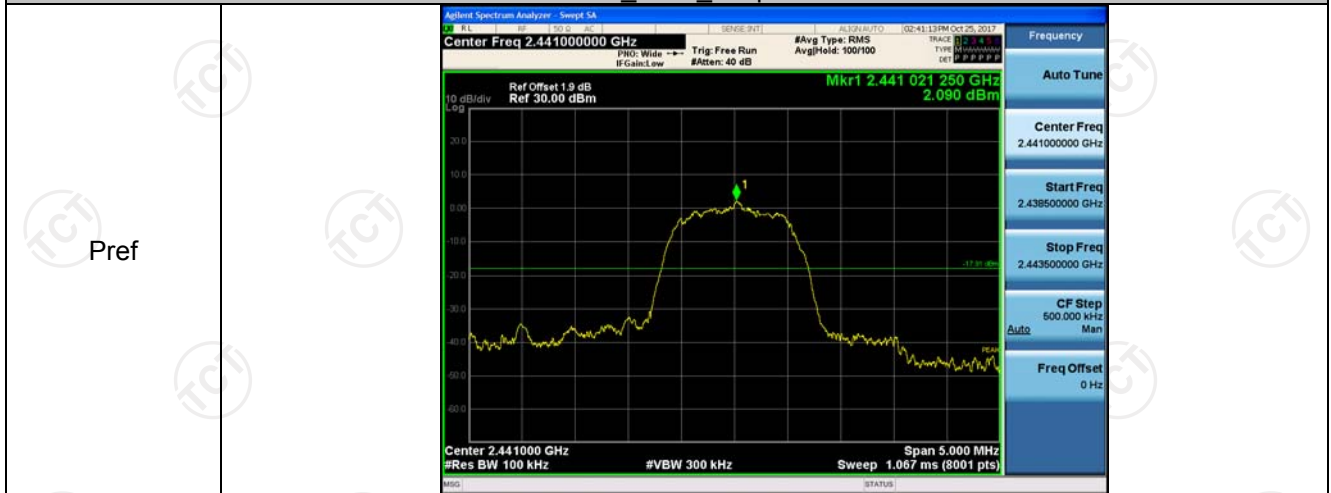
8DPSK_LCH_Graphs

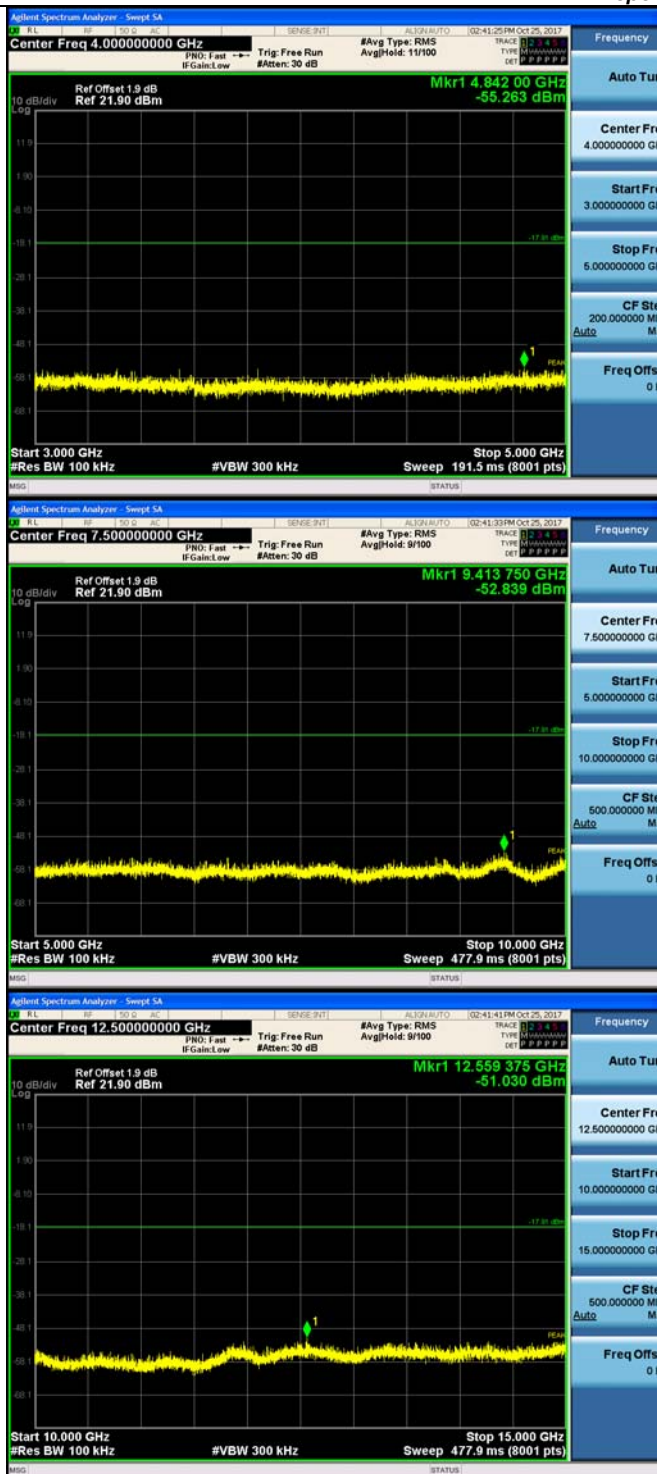


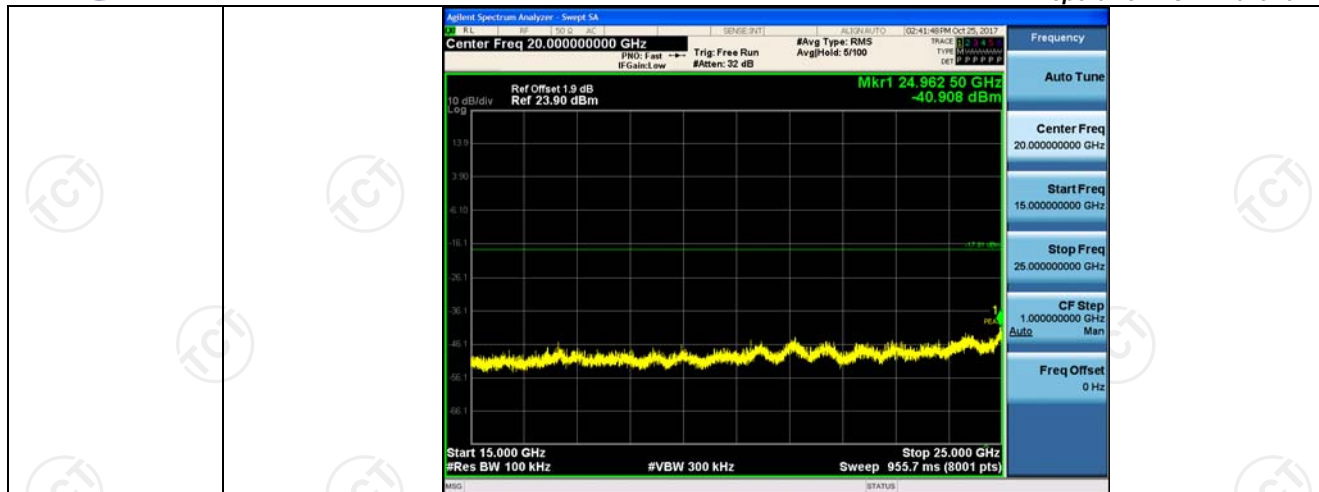




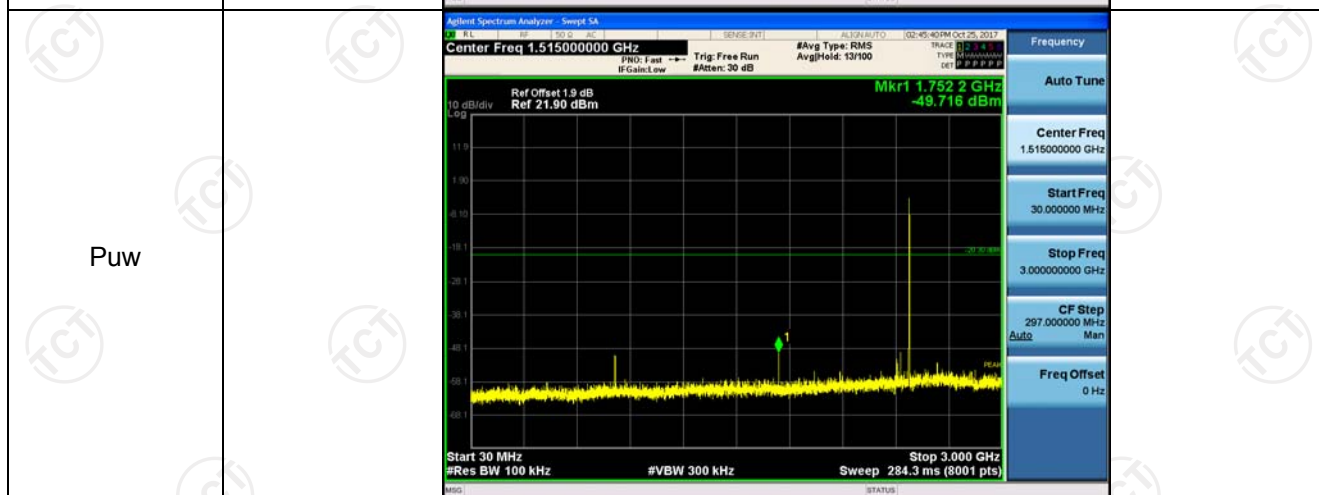
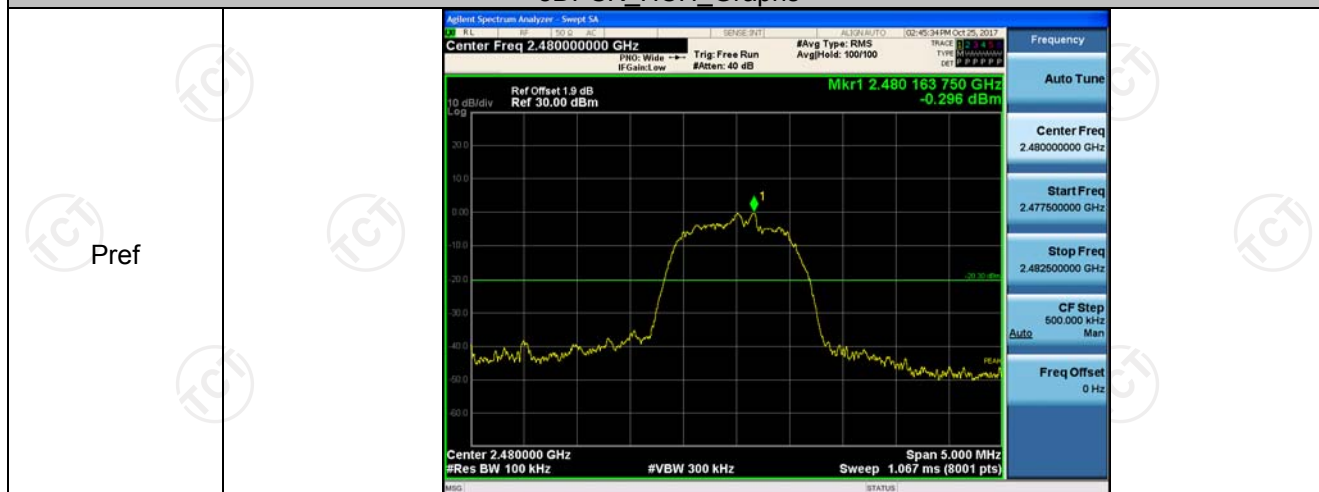
8DPSK_MCH_Graphs



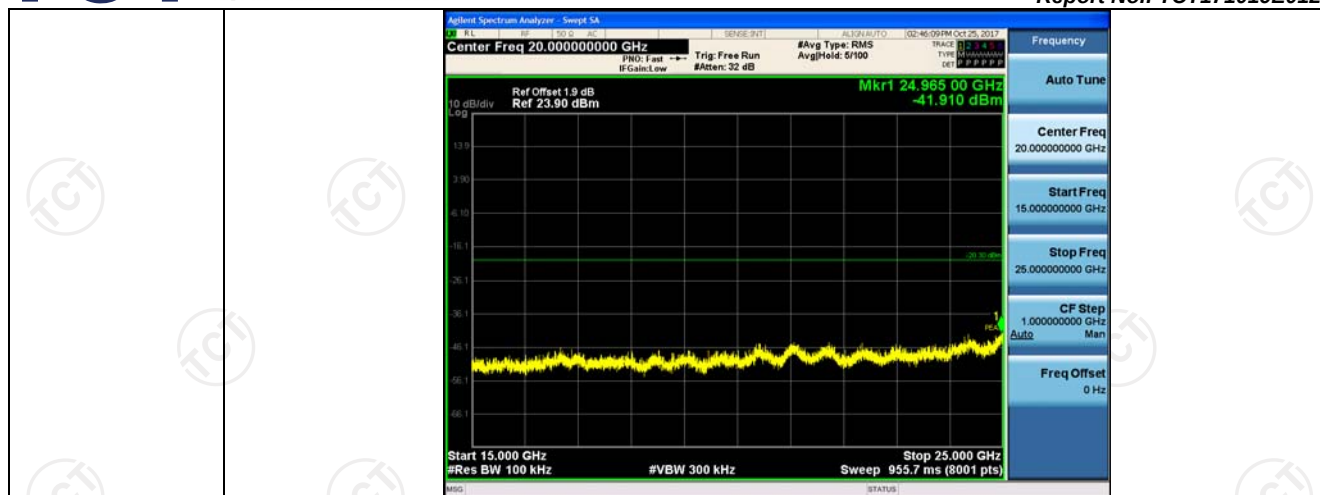




8DPSK_HCH Graphs





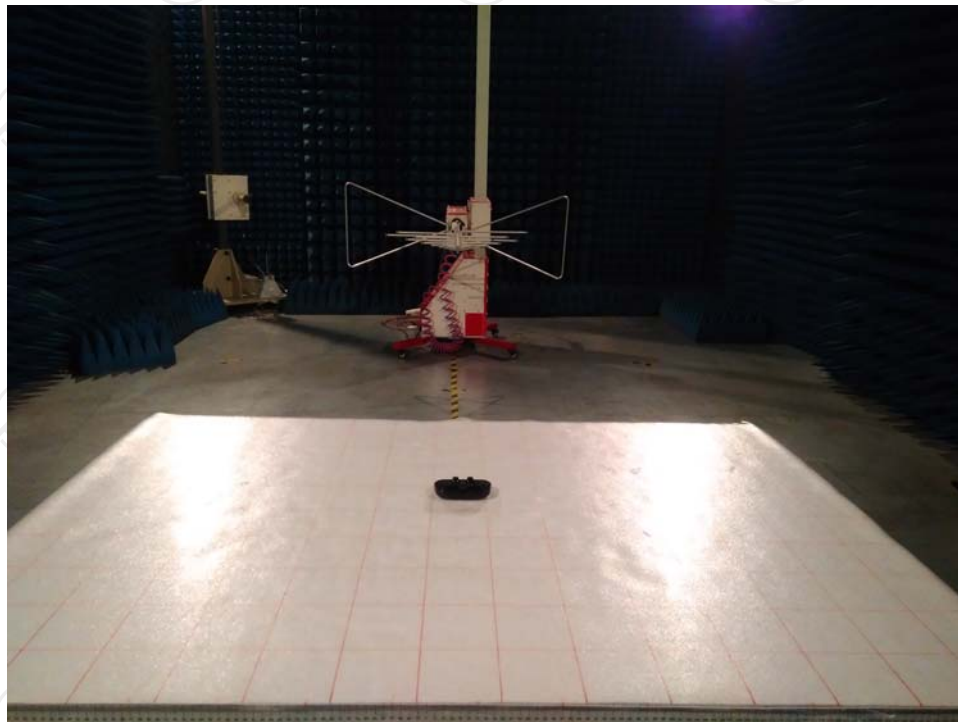


Appendix B: Photographs of Test Setup

Product: gamepad

Model: RPG12

Radiated Emission



CE



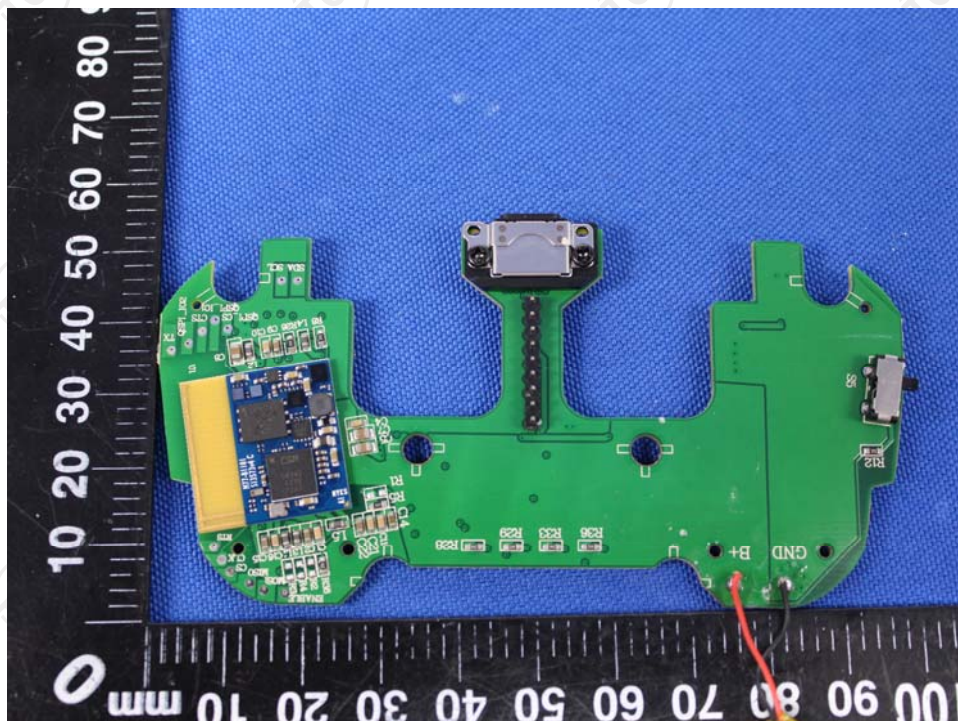
Appendix C: Photographs of EUT
Product: gamepad
Model: RPG12
External Photos

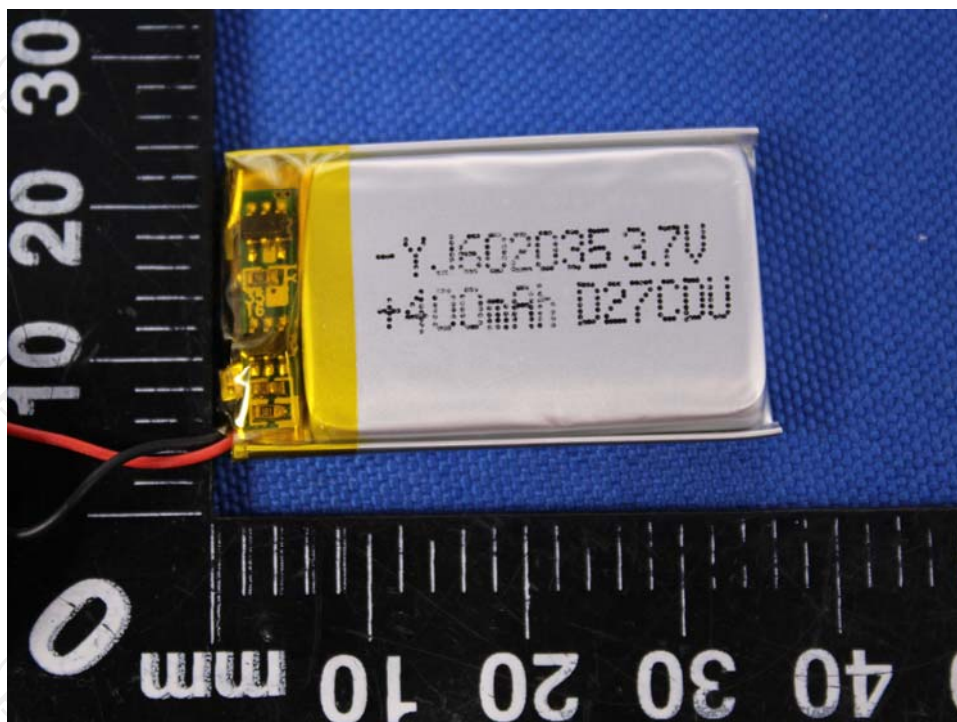
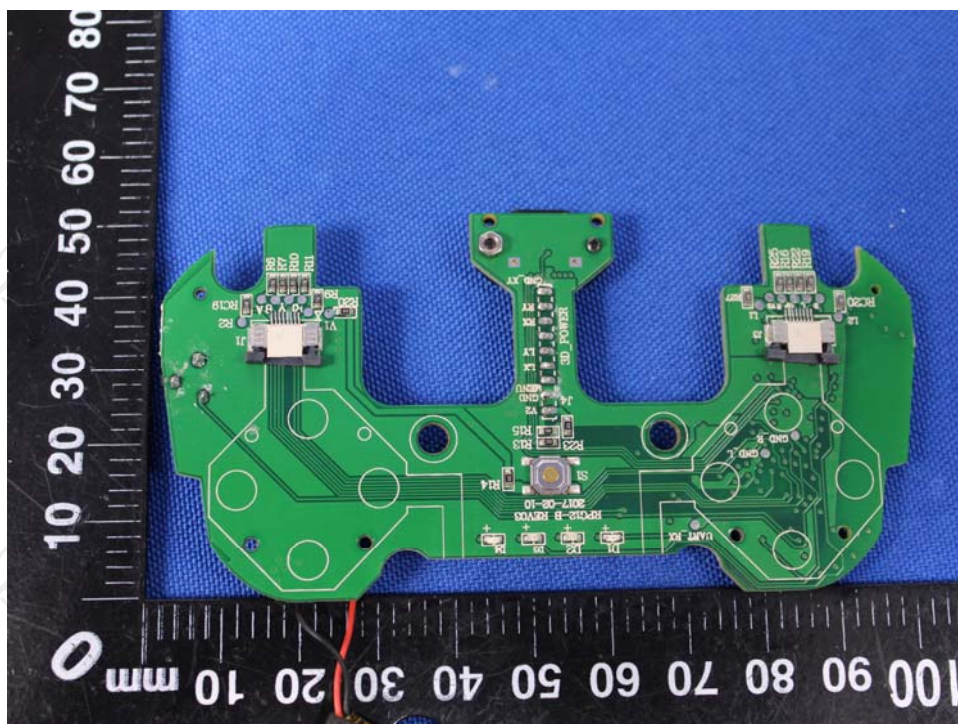


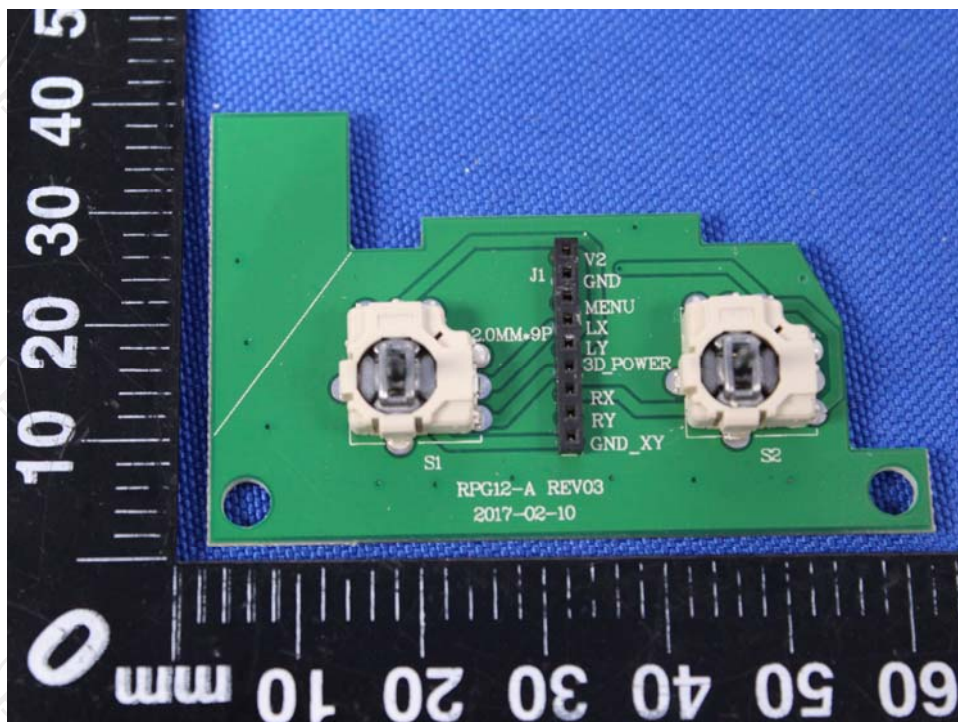
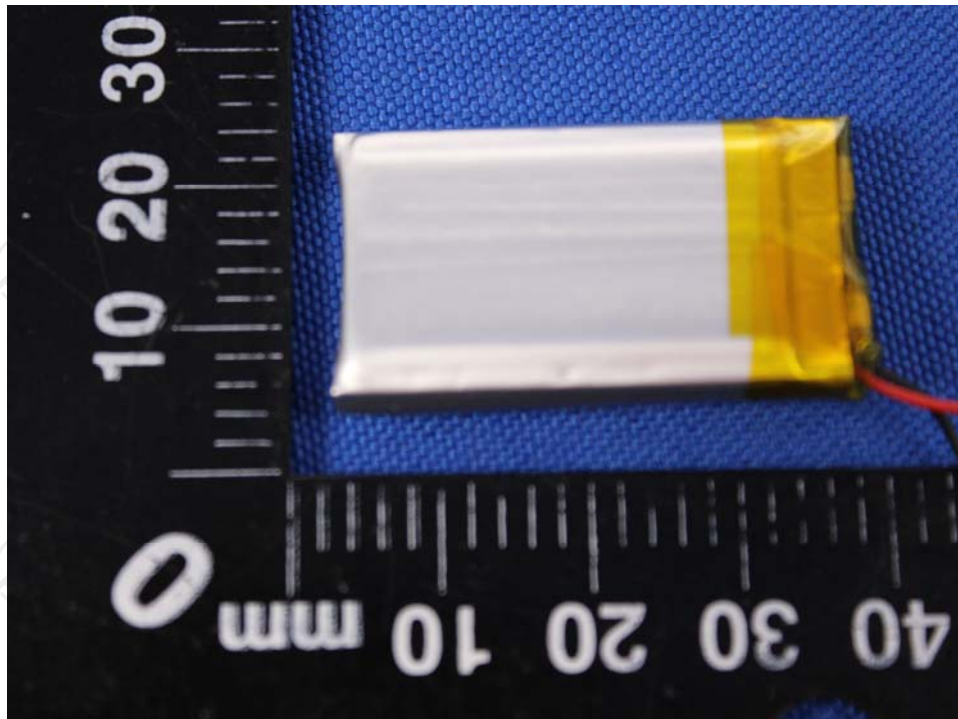


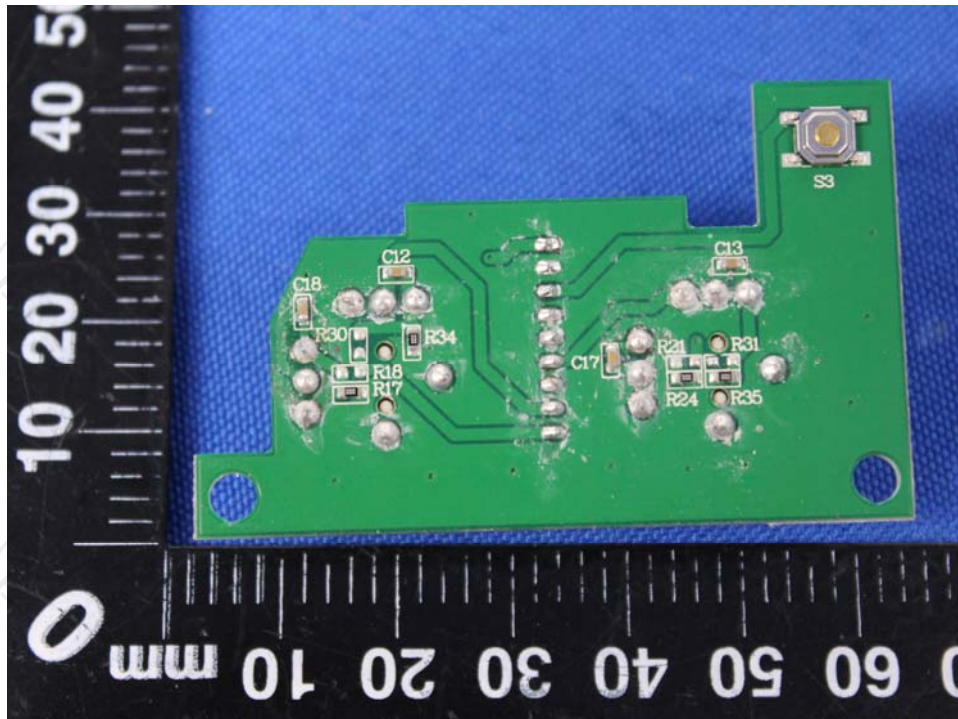


Product: gamepad
Model: RPG12
Internal Photos









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