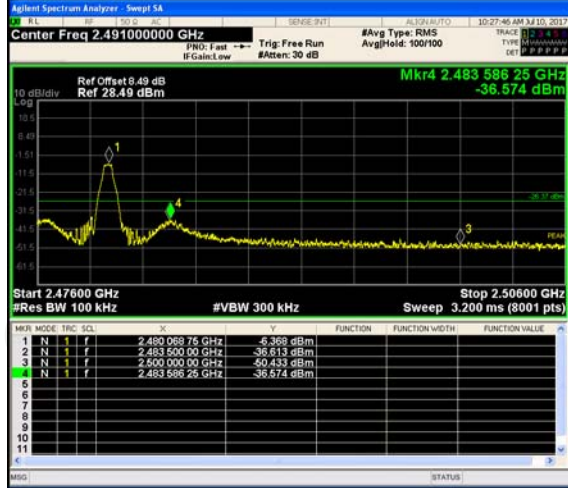
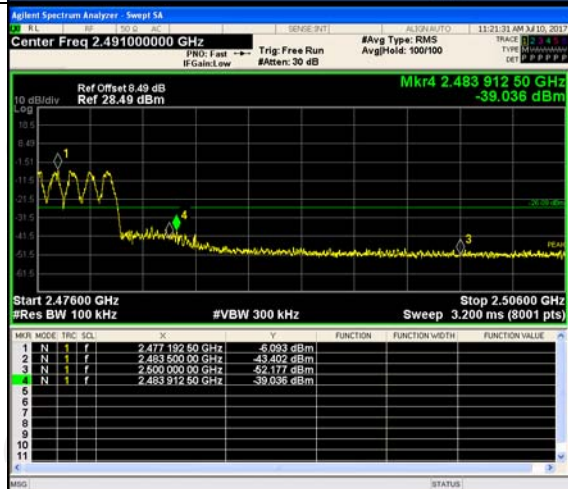
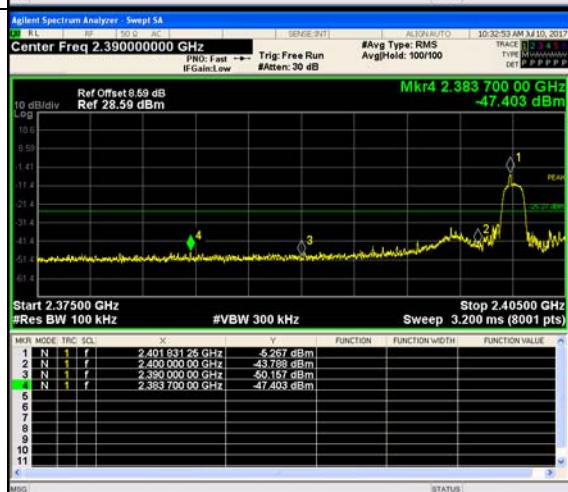
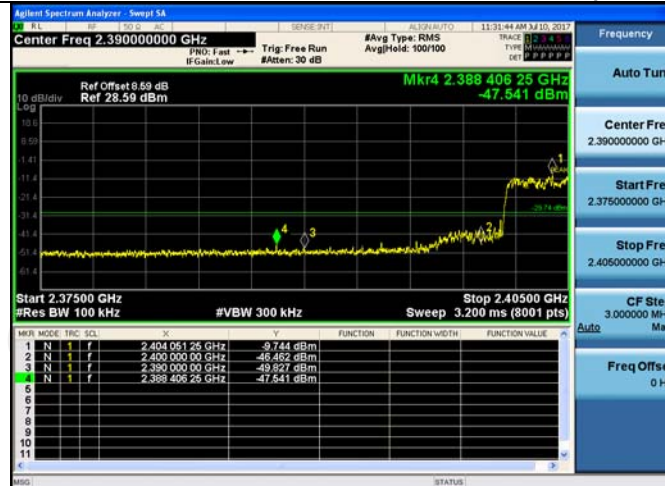
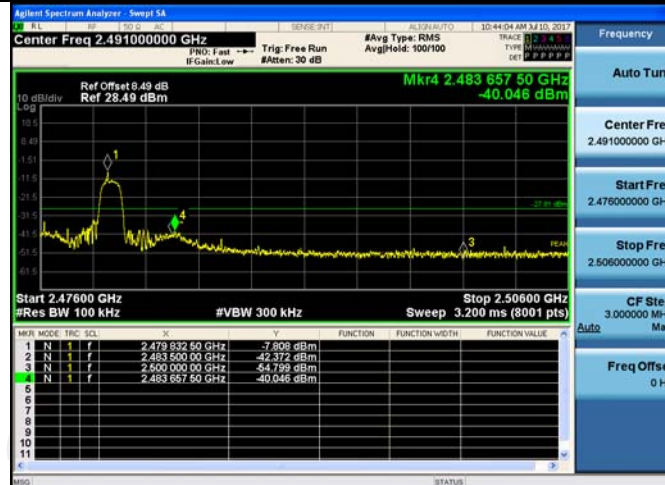


GFSK/HCH/No Hop	 <table><thead><tr><th>MNR</th><th>MODE</th><th>TRC</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr></thead><tbody><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.480 088 76 GHz</td><td>-6.368 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.483 500 00 GHz</td><td>-36.813 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>-50.433 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.483 586 25 GHz</td><td>-36.574 dBm</td><td></td><td></td><td></td></tr></tbody></table>	MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.480 088 76 GHz	-6.368 dBm				2	N	1	f	2.483 500 00 GHz	-36.813 dBm				3	N	1	f	2.500 000 00 GHz	-50.433 dBm				4	N	1	f	2.483 586 25 GHz	-36.574 dBm				<table><thead><tr><th>Frequency</th></tr></thead><tbody><tr><td>Auto Tune</td></tr><tr><td>Center Freq 2.491000000 GHz</td></tr><tr><td>Start Freq 2.476000000 GHz</td></tr><tr><td>Stop Freq 2.506000000 GHz</td></tr><tr><td>CF Step 3.000000 MHz</td></tr><tr><td>Auto Man</td></tr><tr><td>Freq Offset 0 Hz</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 Man	Freq Offset 0 Hz
MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																															
1	N	1	f	2.480 088 76 GHz	-6.368 dBm																																																		
2	N	1	f	2.483 500 00 GHz	-36.813 dBm																																																		
3	N	1	f	2.500 000 00 GHz	-50.433 dBm																																																		
4	N	1	f	2.483 586 25 GHz	-36.574 dBm																																																		
Frequency																																																							
Auto Tune																																																							
Center Freq 2.491000000 GHz																																																							
Start Freq 2.476000000 GHz																																																							
Stop Freq 2.506000000 GHz																																																							
CF Step 3.000000 MHz																																																							
Auto Man																																																							
Freq Offset 0 Hz																																																							
GFSK/HCH/Hop	 <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>2.477 192 50 GHz</td><td>-6.093 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>-43.202 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>-52.177 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.483 912 50 GHz</td><td>-39.036 dBm</td><td></td><td></td><td></td></tr></tbody></table>	MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.477 192 50 GHz	-6.093 dBm				2	N	1	f	2.483 500 00 GHz	-43.202 dBm				3	N	1	f	2.500 000 00 GHz	-52.177 dBm				4	N	1	f	2.483 912 50 GHz	-39.036 dBm				<table><thead><tr><th>Frequency</th></tr></thead><tbody><tr><td>Auto Tune</td></tr><tr><td>Center Freq 2.491000000 GHz</td></tr><tr><td>Start Freq 2.476000000 GHz</td></tr><tr><td>Stop Freq 2.506000000 GHz</td></tr><tr><td>CF Step 3.000000 MHz</td></tr><tr><td>Auto Man</td></tr><tr><td>Freq Offset 0 Hz</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 Man	Freq Offset 0 Hz
MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																															
1	N	1	f	2.477 192 50 GHz	-6.093 dBm																																																		
2	N	1	f	2.483 500 00 GHz	-43.202 dBm																																																		
3	N	1	f	2.500 000 00 GHz	-52.177 dBm																																																		
4	N	1	f	2.483 912 50 GHz	-39.036 dBm																																																		
Frequency																																																							
Auto Tune																																																							
Center Freq 2.491000000 GHz																																																							
Start Freq 2.476000000 GHz																																																							
Stop Freq 2.506000000 GHz																																																							
CF Step 3.000000 MHz																																																							
Auto Man																																																							
Freq Offset 0 Hz																																																							
$\pi/4$ DQPSK/LCH/No Hop	 <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>2.401 031 25 GHz</td><td>-5.267 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>-43.788 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>-50.157 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.383 700 00 GHz</td><td>-47.403 dBm</td><td></td><td></td><td></td></tr></tbody></table>	MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.401 031 25 GHz	-5.267 dBm				2	N	1	f	2.400 000 00 GHz	-43.788 dBm				3	N	1	f	2.390 000 00 GHz	-50.157 dBm				4	N	1	f	2.383 700 00 GHz	-47.403 dBm				<table><thead><tr><th>Frequency</th></tr></thead><tbody><tr><td>Auto Tune</td></tr><tr><td>Center Freq 2.390000000 GHz</td></tr><tr><td>Start Freq 2.375000000 GHz</td></tr><tr><td>Stop Freq 2.405000000 GHz</td></tr><tr><td>CF Step 3.000000 MHz</td></tr><tr><td>Auto Man</td></tr><tr><td>Freq Offset 0 Hz</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 Man	Freq Offset 0 Hz
MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																															
1	N	1	f	2.401 031 25 GHz	-5.267 dBm																																																		
2	N	1	f	2.400 000 00 GHz	-43.788 dBm																																																		
3	N	1	f	2.390 000 00 GHz	-50.157 dBm																																																		
4	N	1	f	2.383 700 00 GHz	-47.403 dBm																																																		
Frequency																																																							
Auto Tune																																																							
Center Freq 2.390000000 GHz																																																							
Start Freq 2.375000000 GHz																																																							
Stop Freq 2.405000000 GHz																																																							
CF Step 3.000000 MHz																																																							
Auto Man																																																							
Freq Offset 0 Hz																																																							

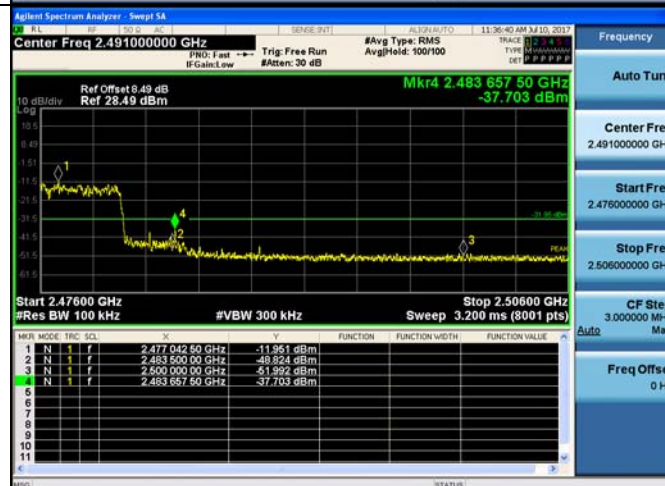
$\pi/4$ DQPSK/LCH/Hop



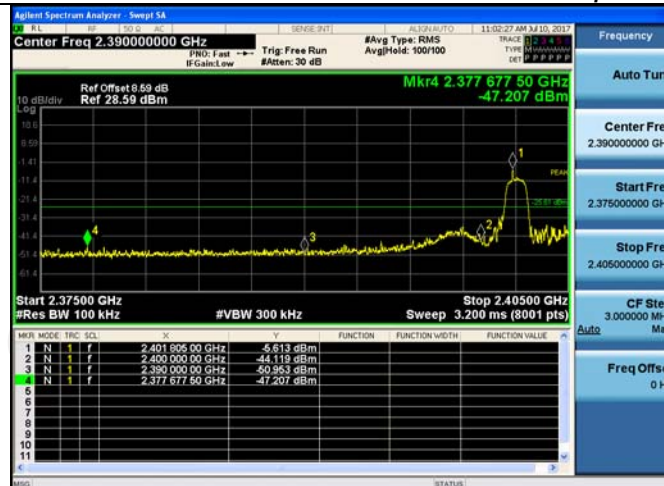
$\pi/4$ DQPSK/HCH/No Hop



$\pi/4$ DQPSK/HCH/Hop



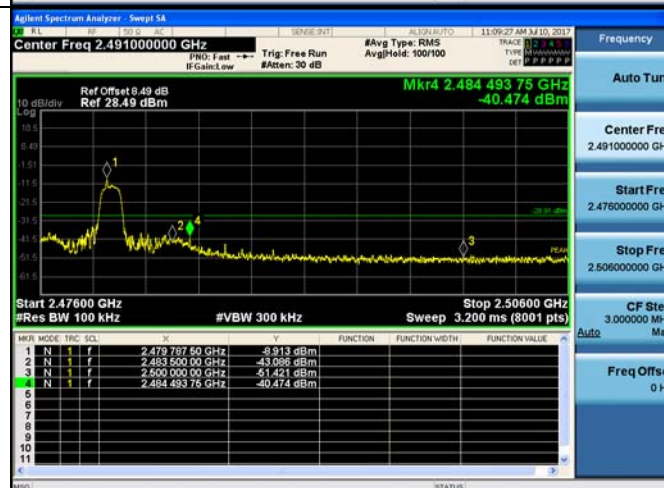
8DPSK/LCH/No Hop



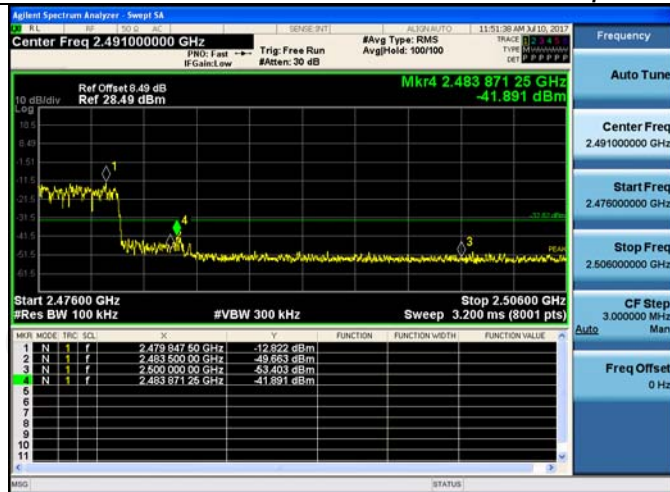
8DPSK/LCH/Hop



8DPSK/HCH/No Hop



8DPSK/HCH/Hop

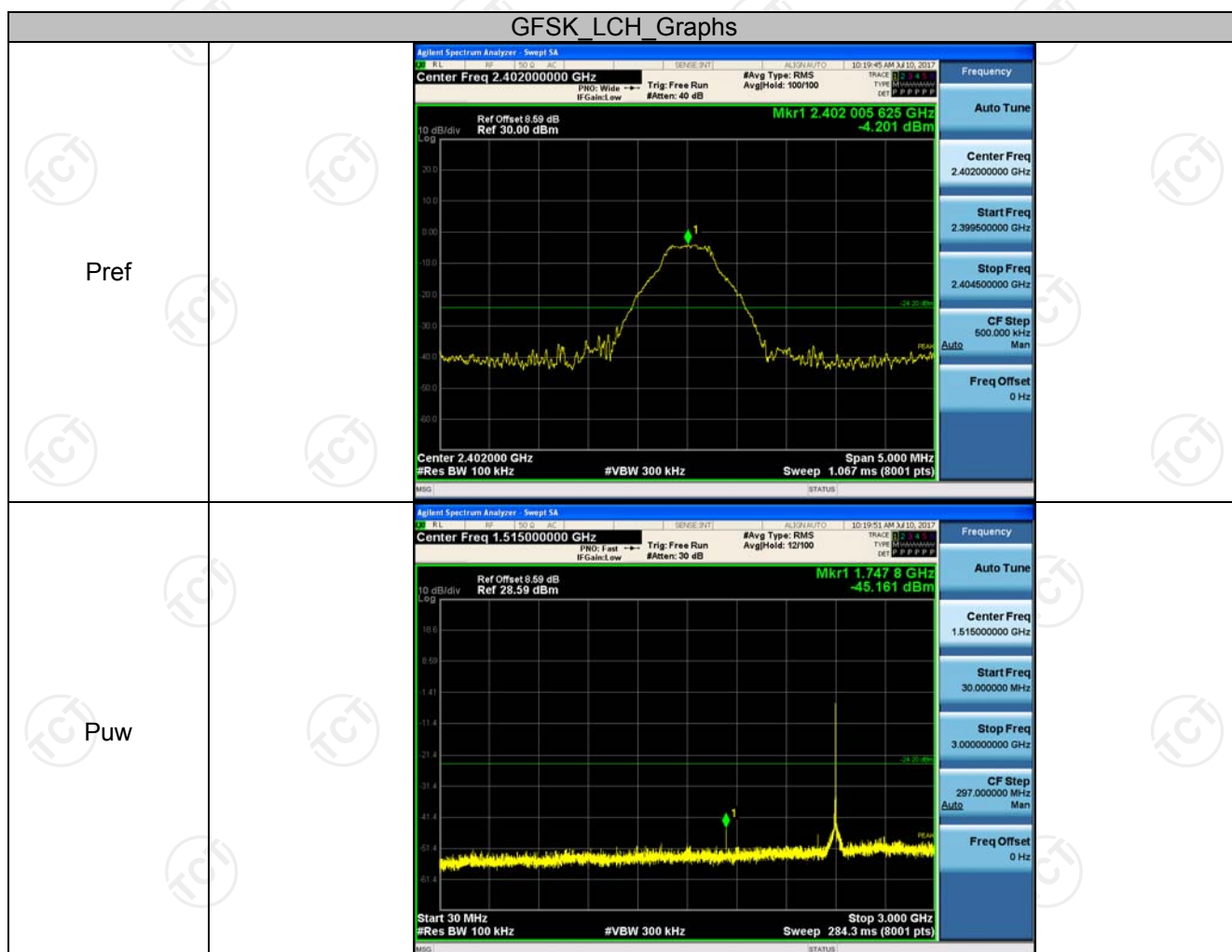


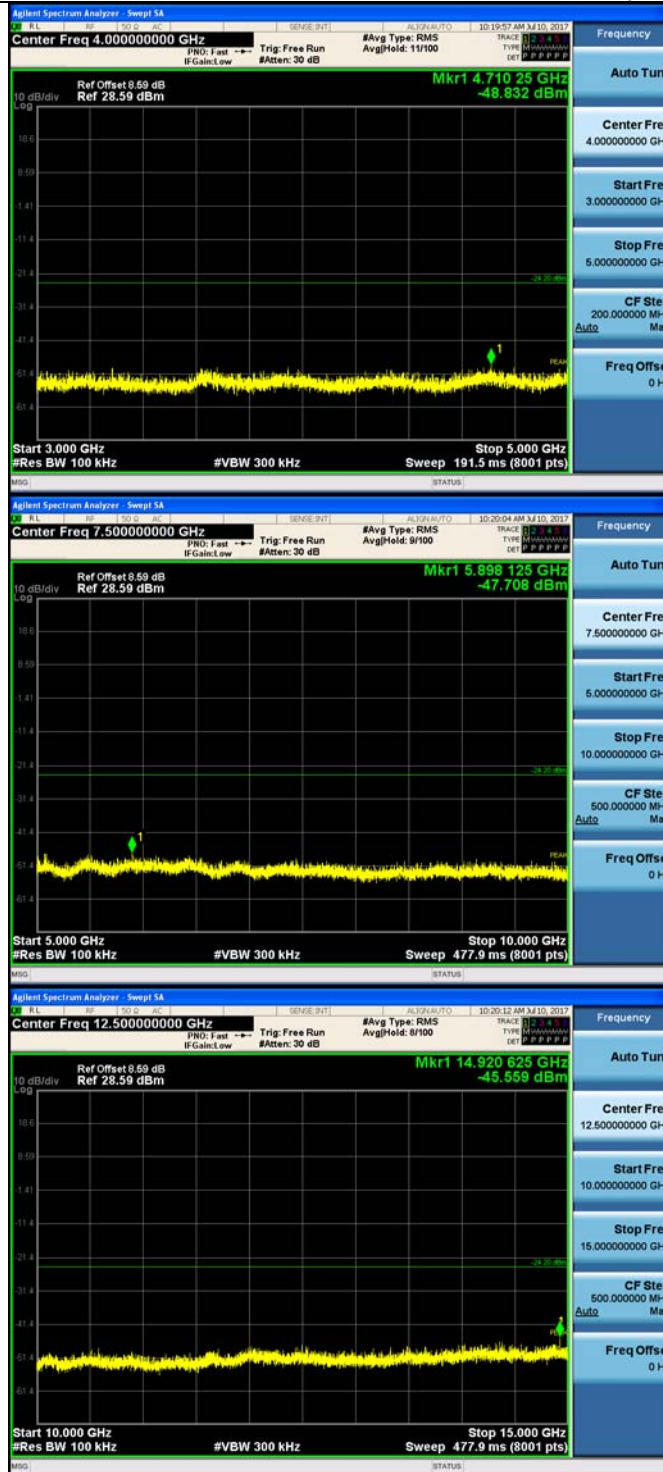
RF Conducted Spurious Emissions

Result Table

Mode	Channel	Pref [dBm]	Puw[dBm]	Verdict
GFSK	LCH	-4.201	<Limit	PASS
GFSK	MCH	-6.764	<Limit	PASS
GFSK	HCH	-6.476	<Limit	PASS
π /4DQPSK	LCH	-5.774	<Limit	PASS
π /4DQPSK	MCH	-9.791	<Limit	PASS
π /4DQPSK	HCH	-9.024	<Limit	PASS
8DPSK	LCH	-5.95	<Limit	PASS
8DPSK	MCH	-8.96	<Limit	PASS
8DPSK	HCH	-7.811	<Limit	PASS

Test Graph







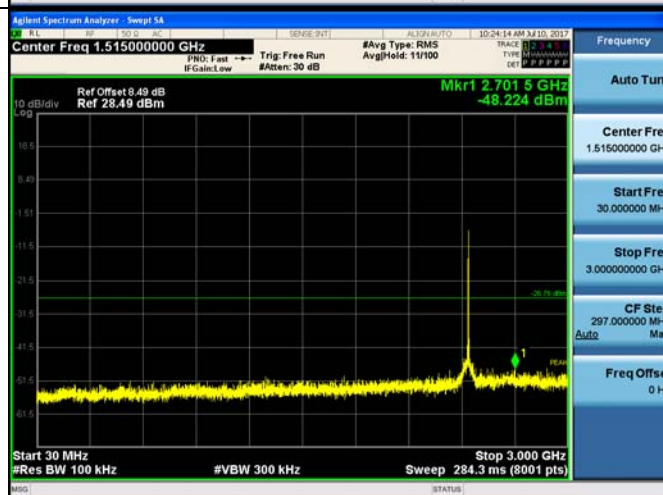
#imgtxdh51lchnnpuw6

GFSK MCH_Graphs

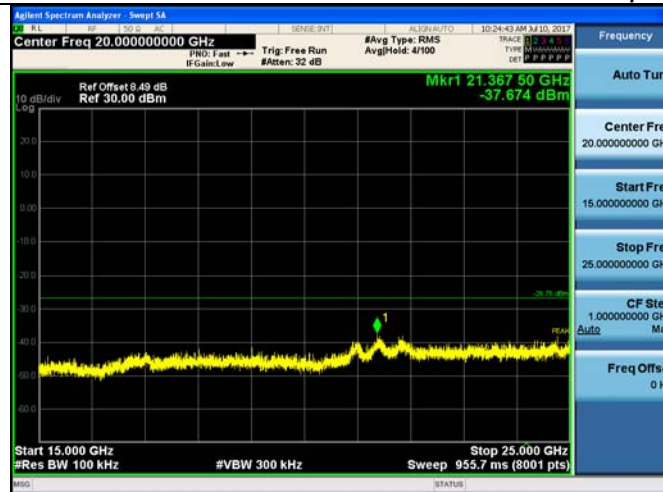
Pref



Puw







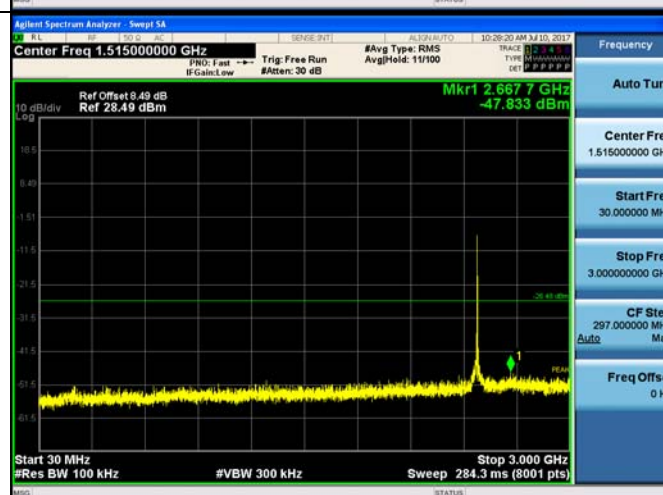
#imgtxdh51mchnnpuw6

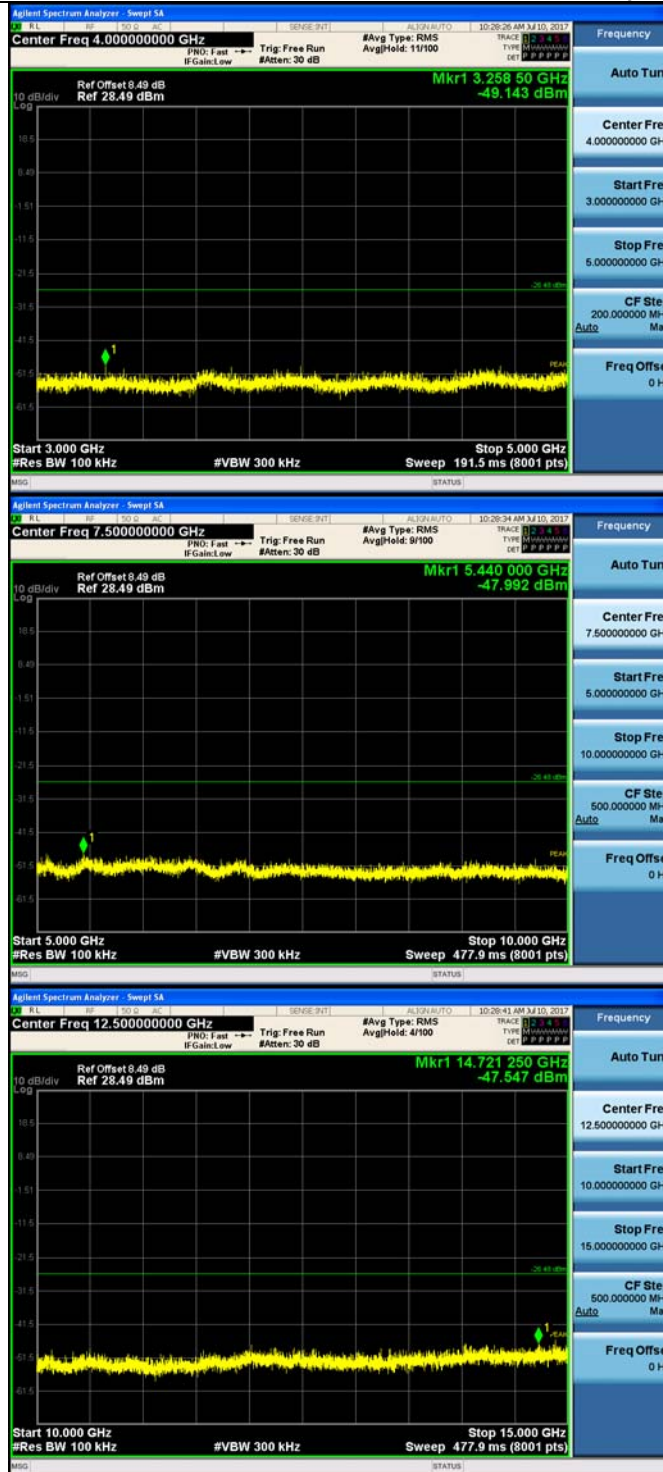
GFSK HCH_Graphs

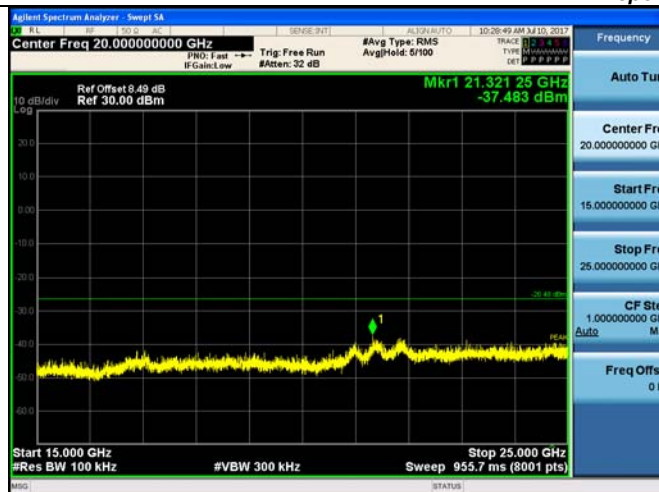
Pref



Puw



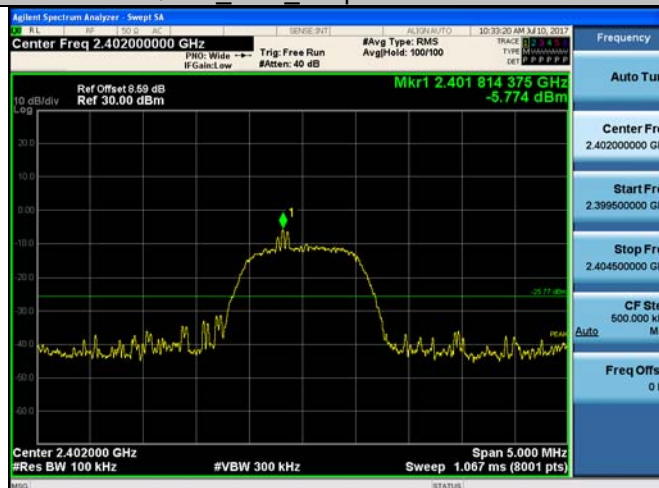




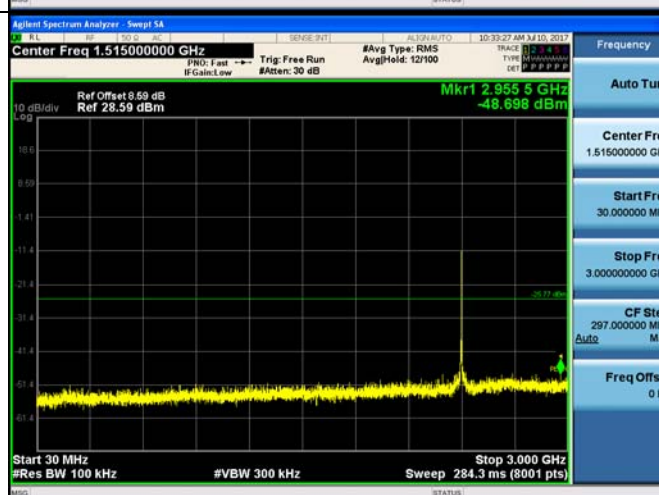
#imgtxdh51hchnnpuw6

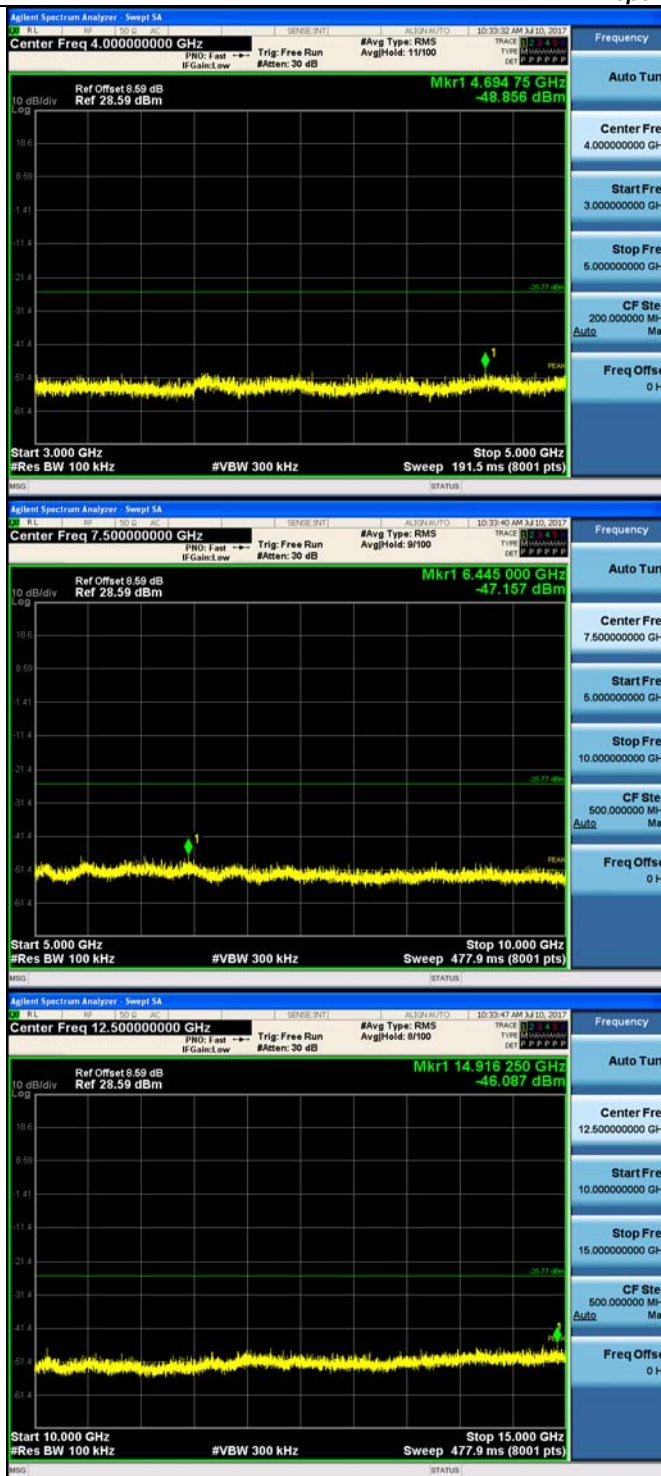
$\pi/4$ DQPSK LCH_Graphs

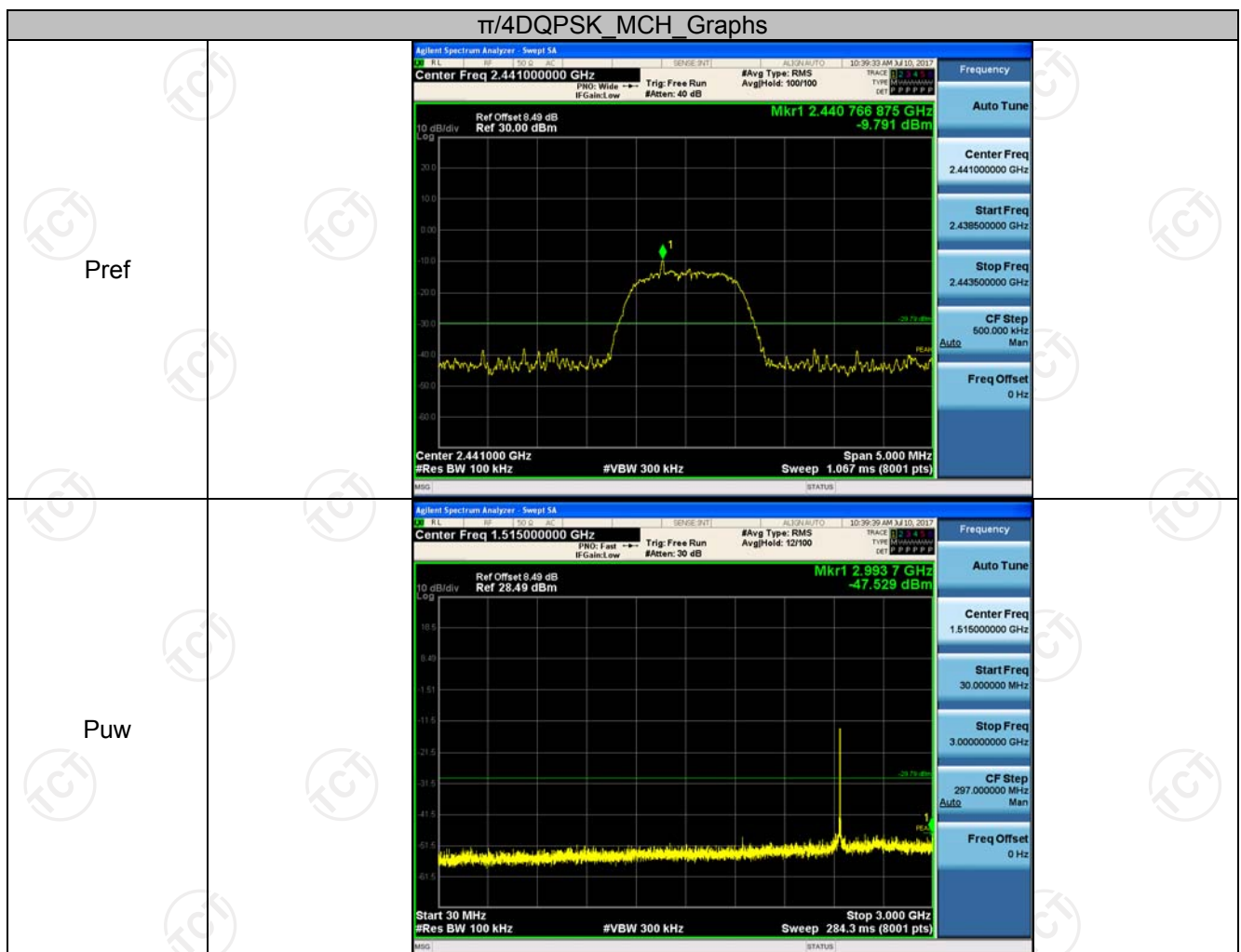
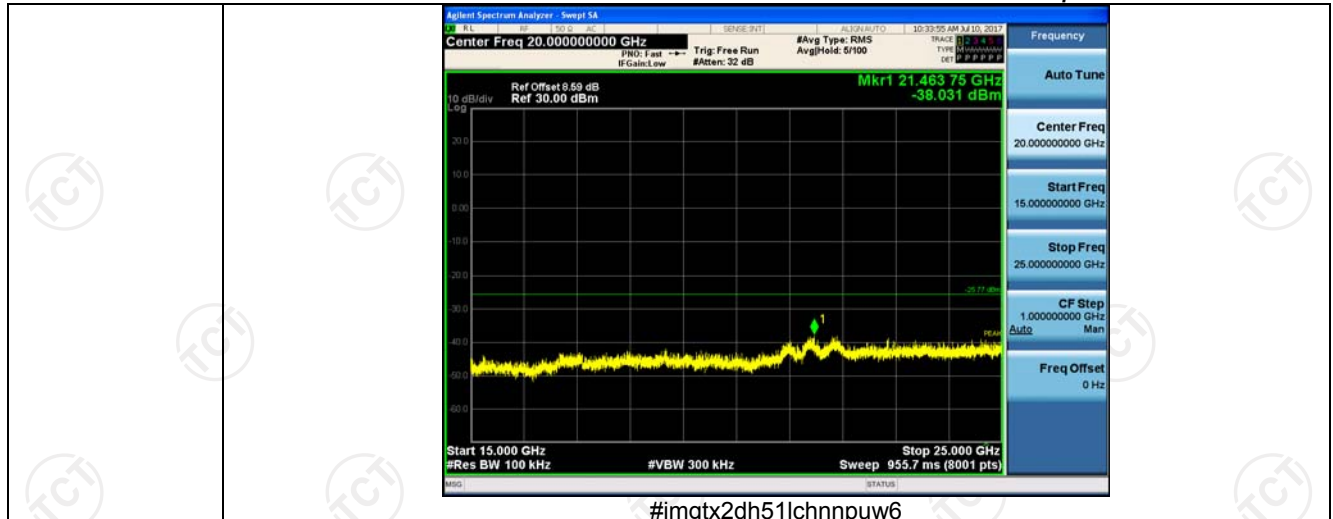
Pref

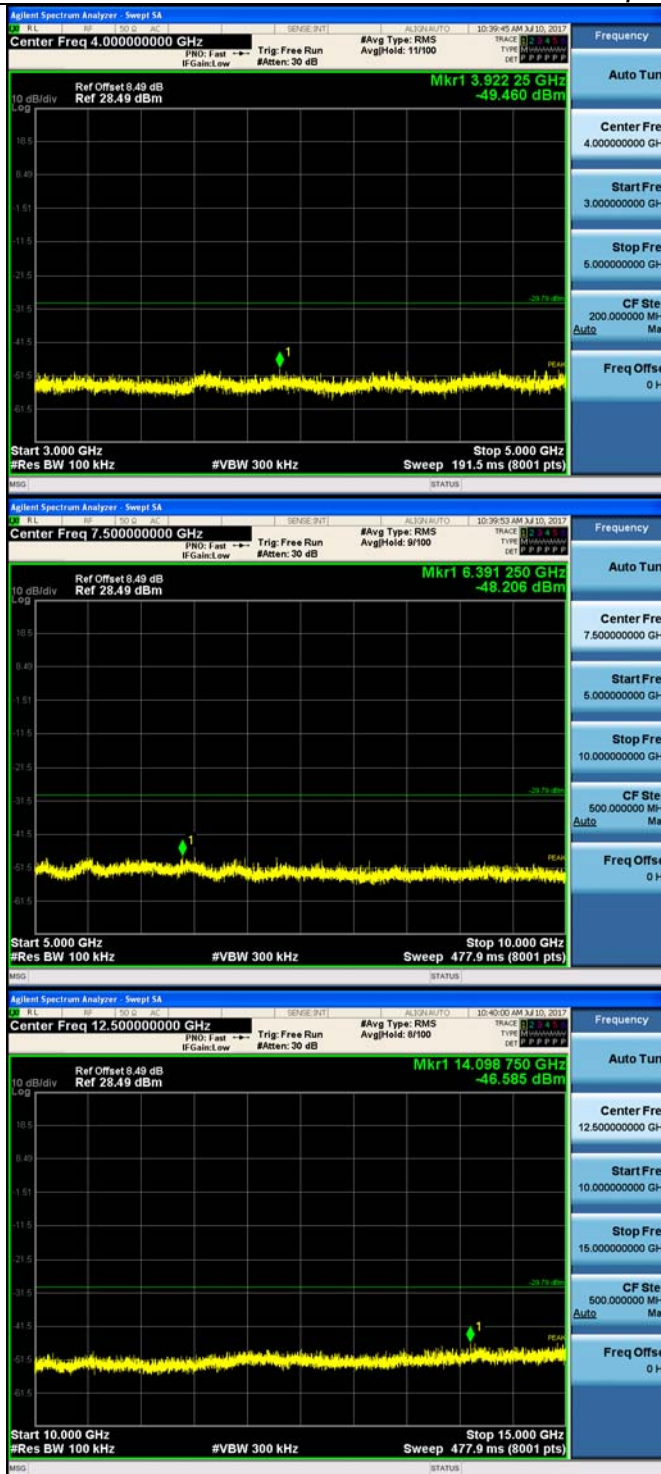


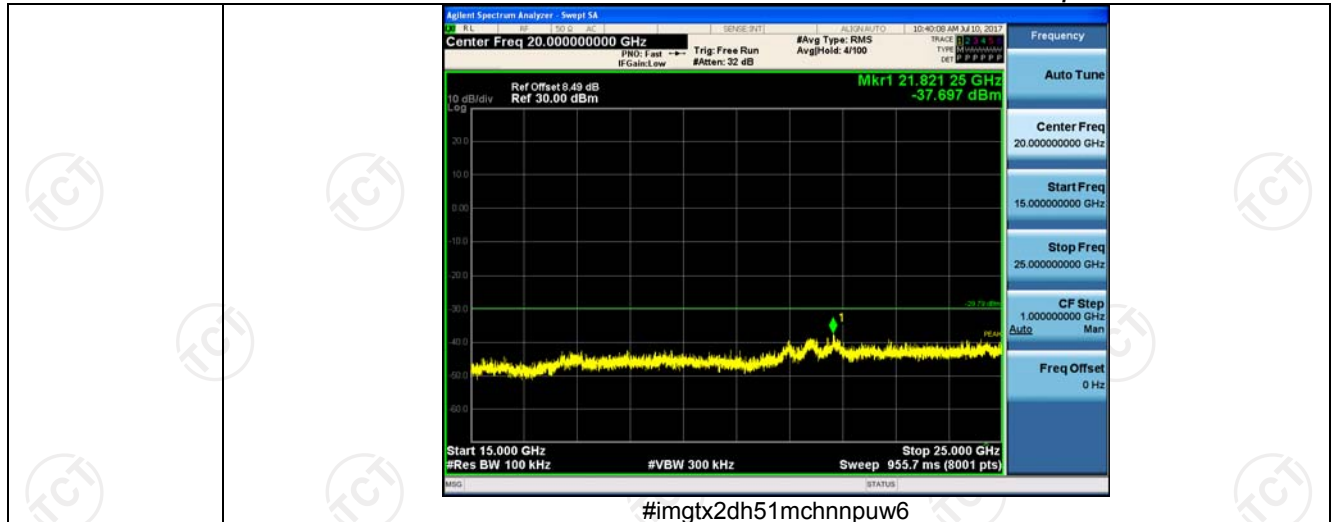
Puw



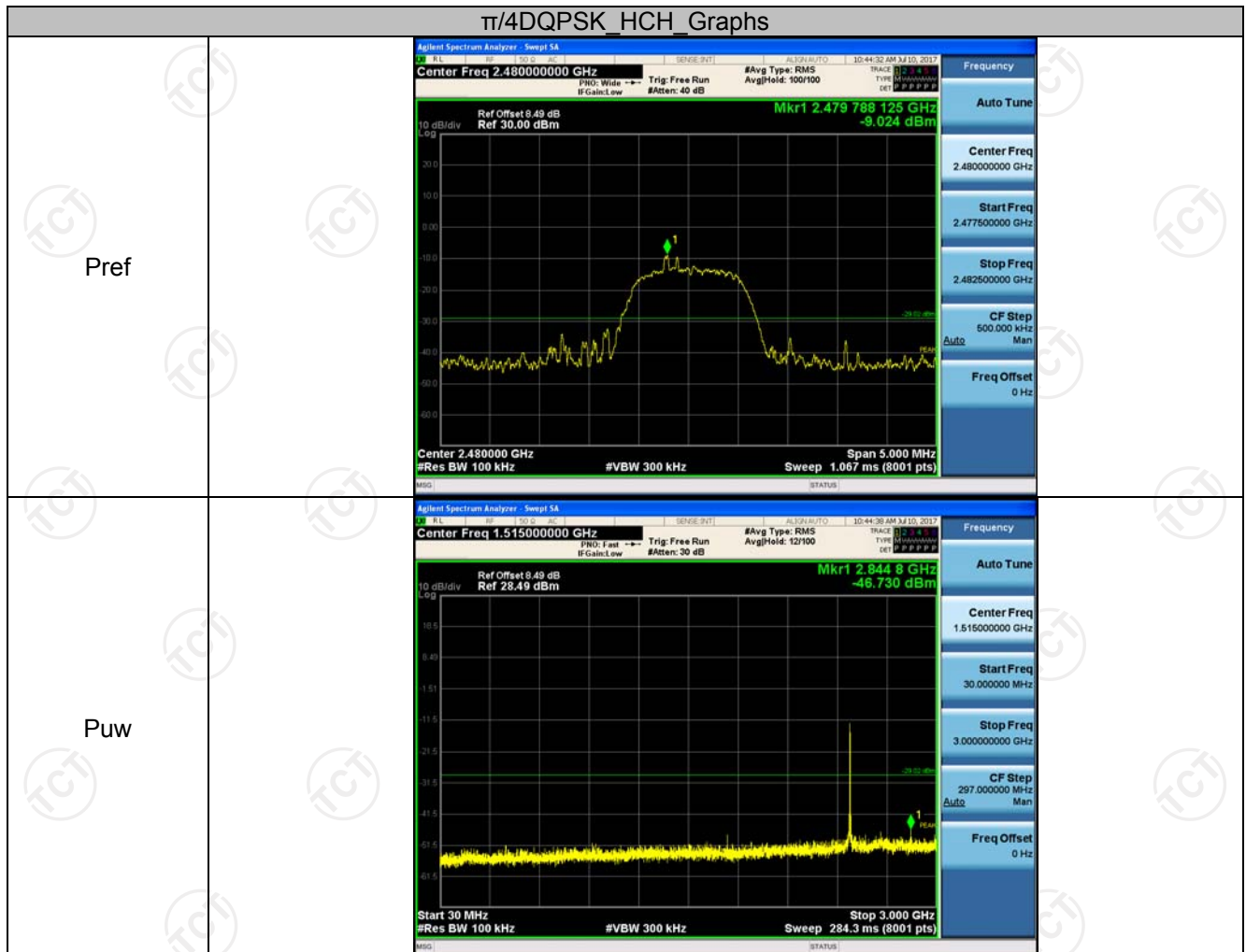


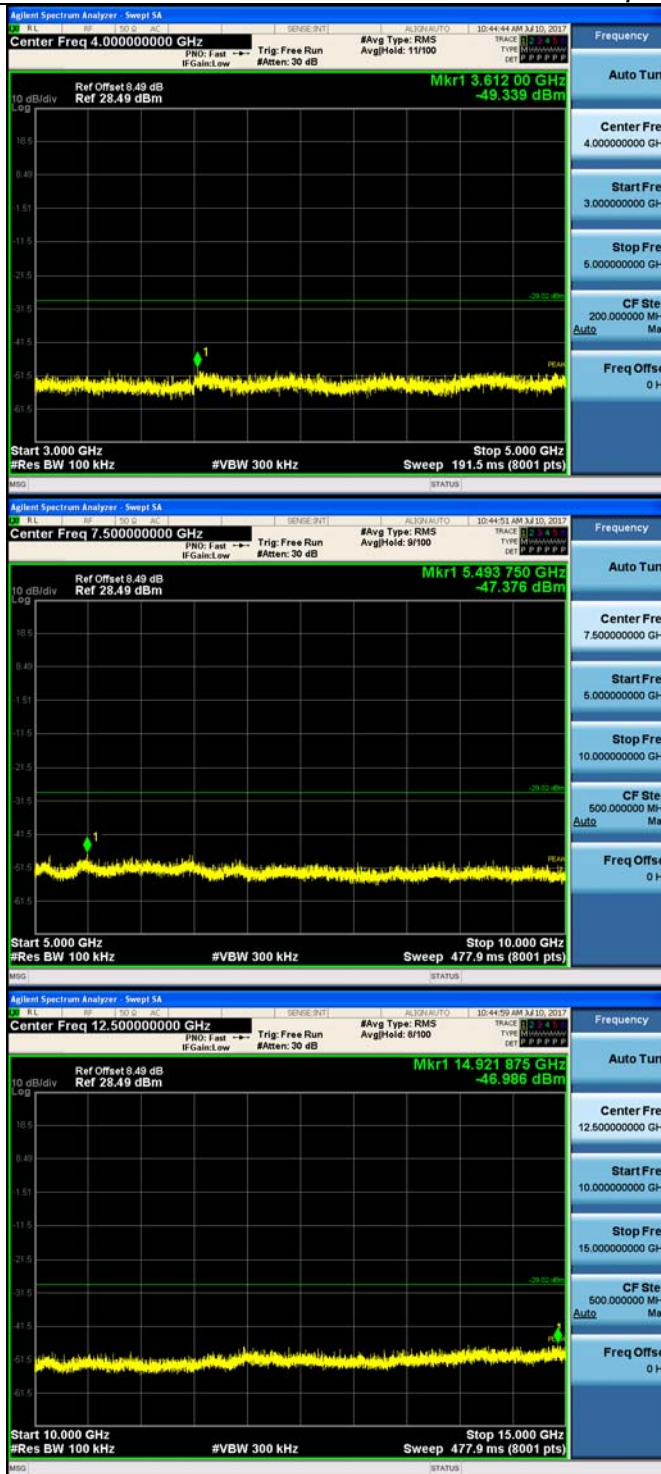






$\pi/4$ DQPSK_HCH_Graphs







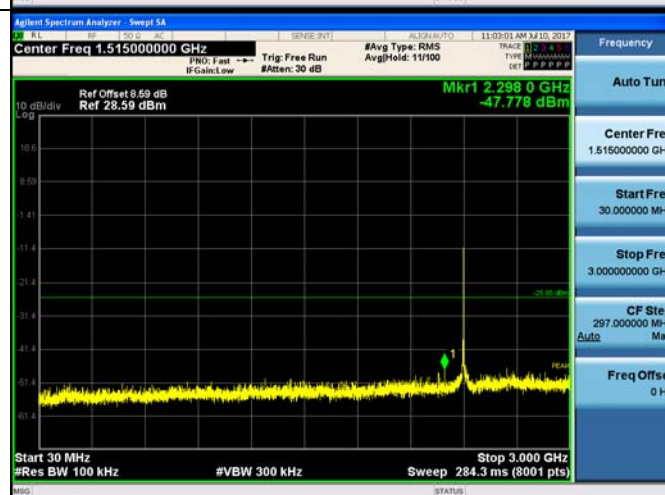
#imgtx2dh51hchnnpuw6

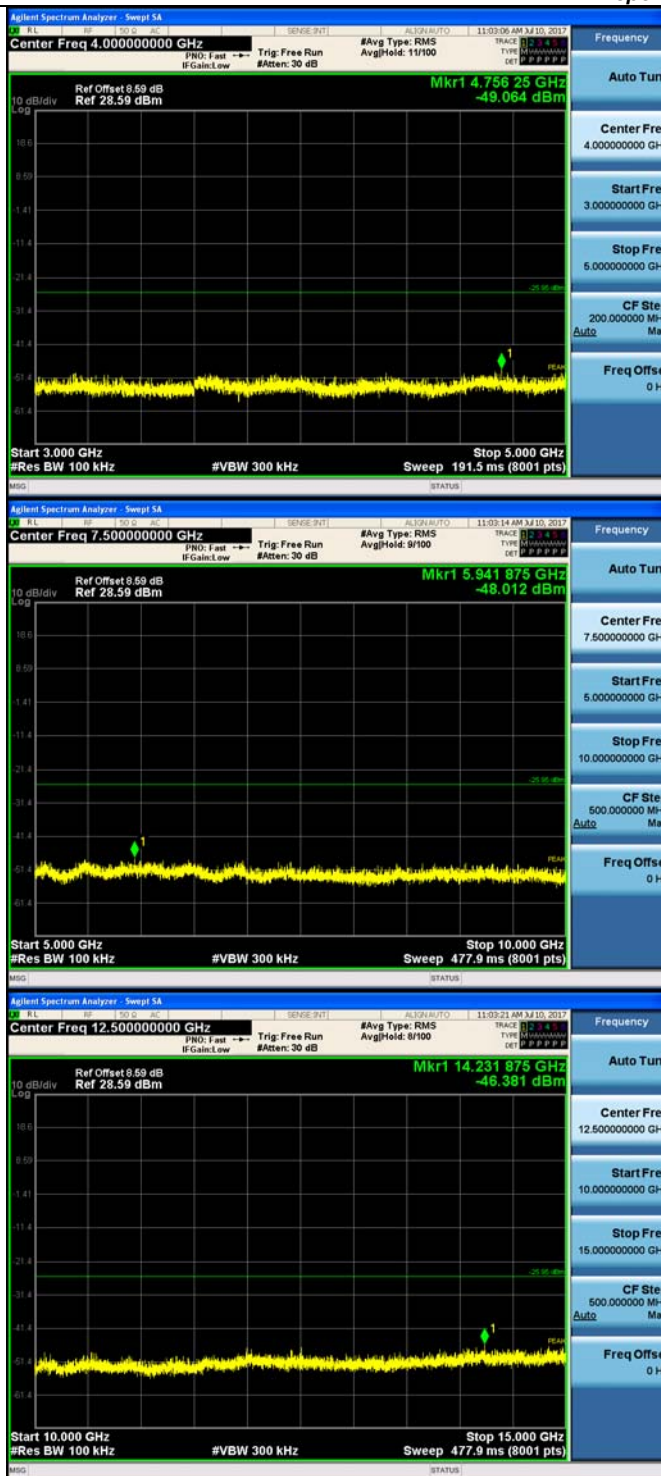
8DPSK_LCH_Graphs

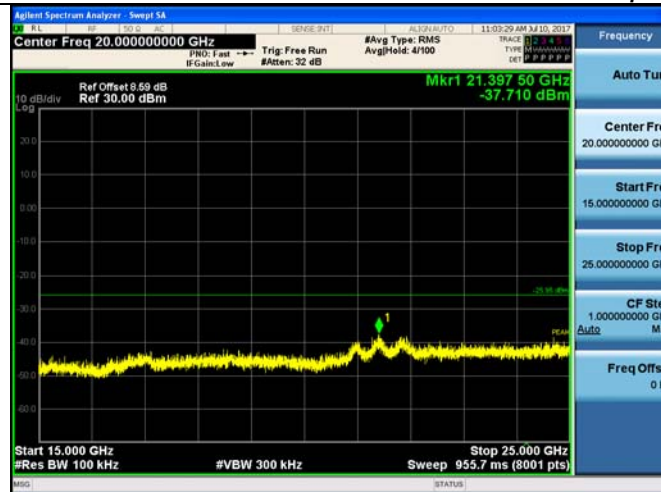
Pref



Puw



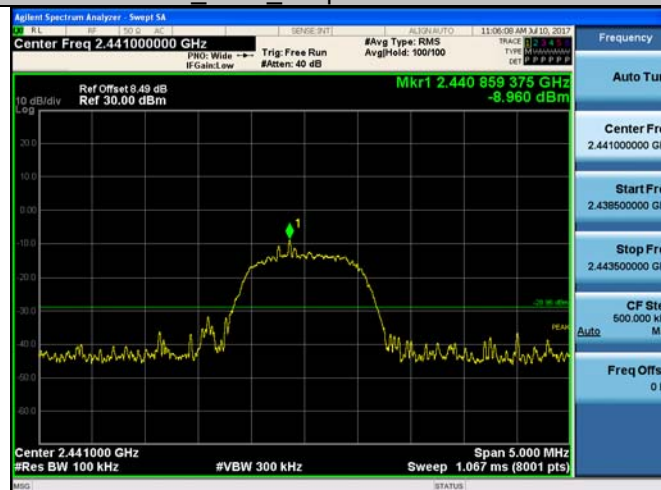




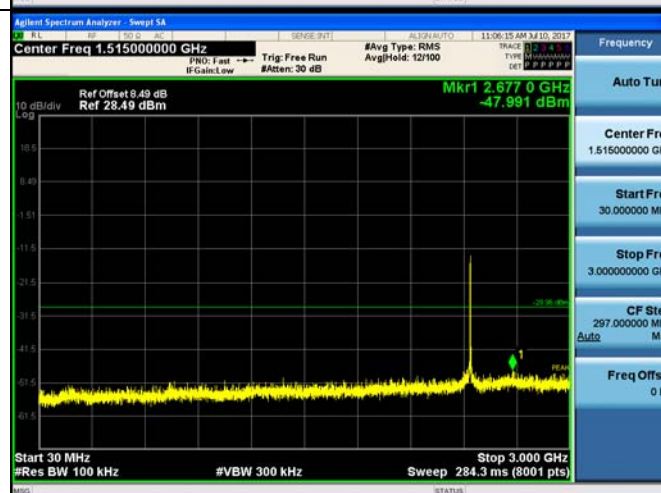
#imgtx3dh51lchnnpuw6

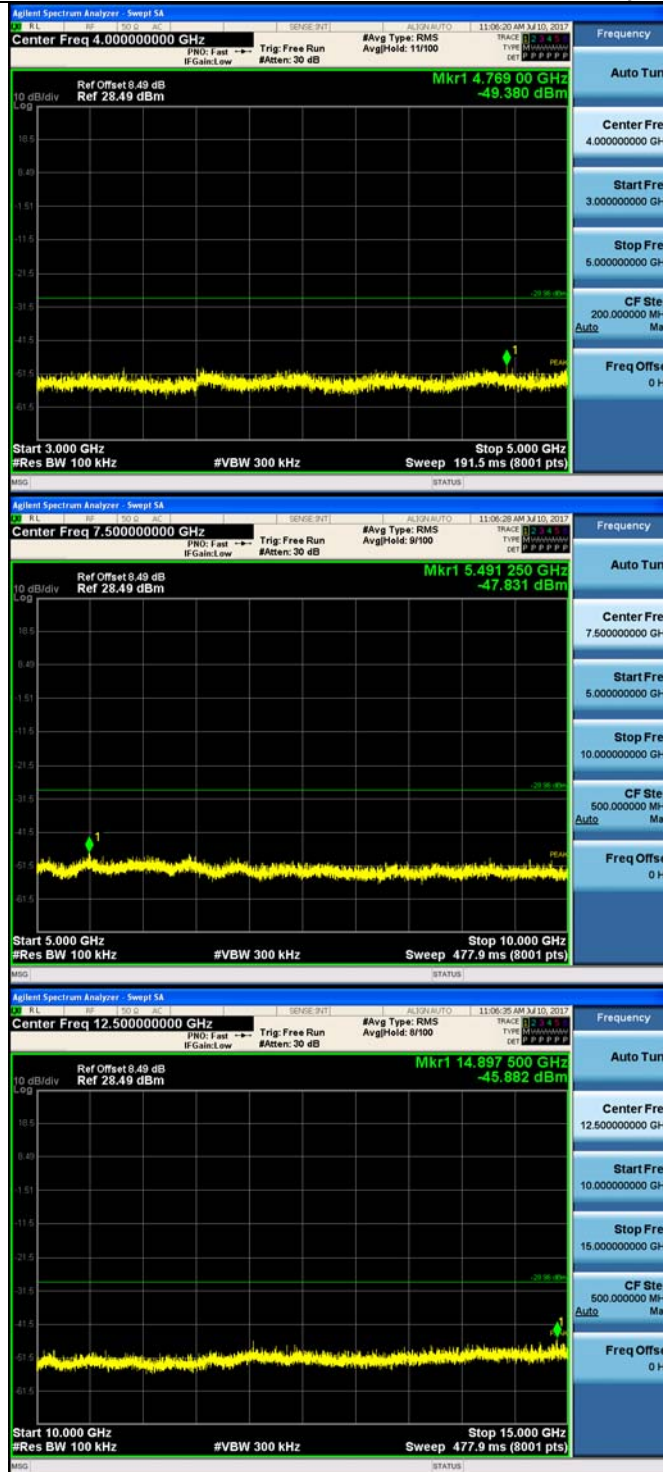
8DPSK_MCH_Graphs

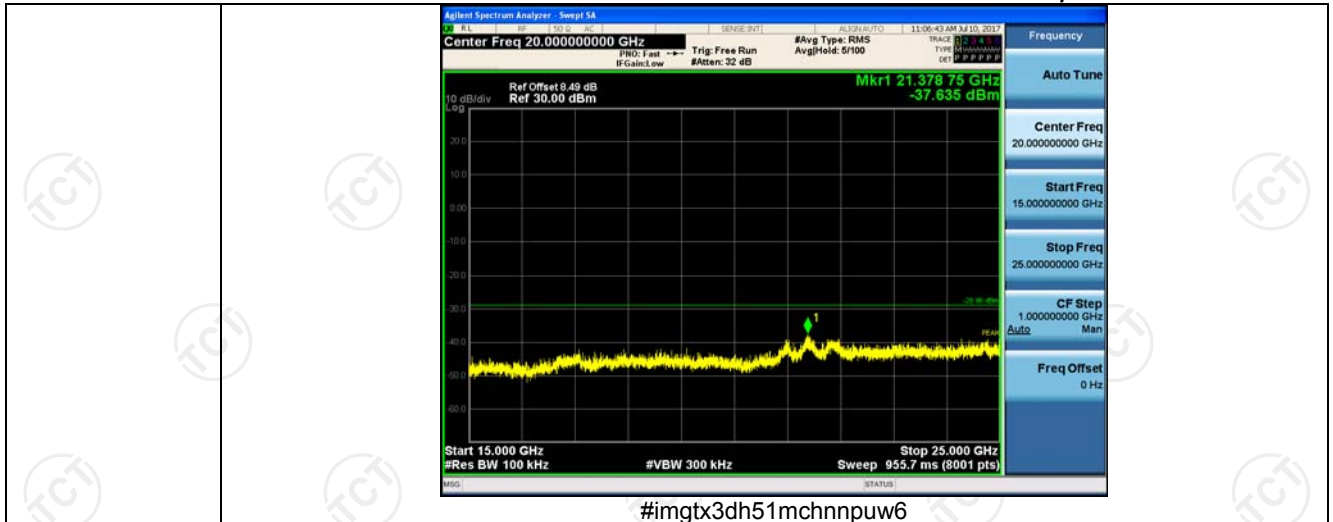
Pref



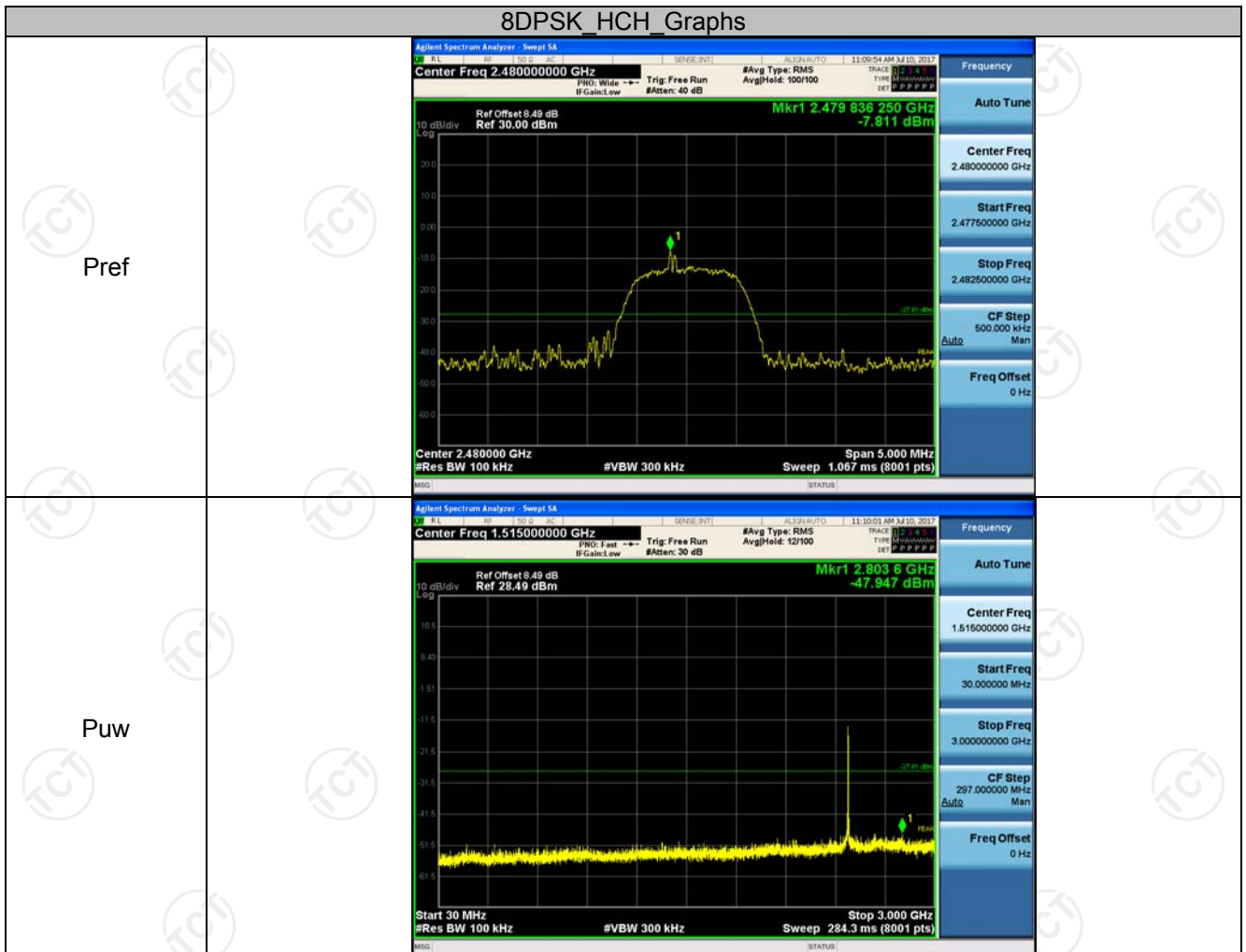
Puw



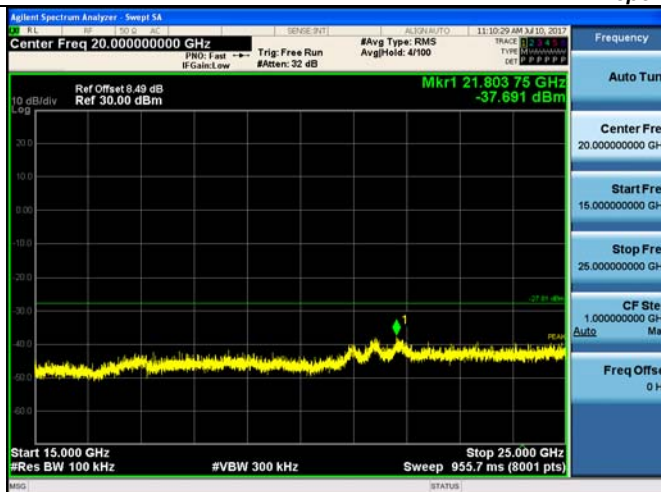




8DPSK_HCH_Graphs







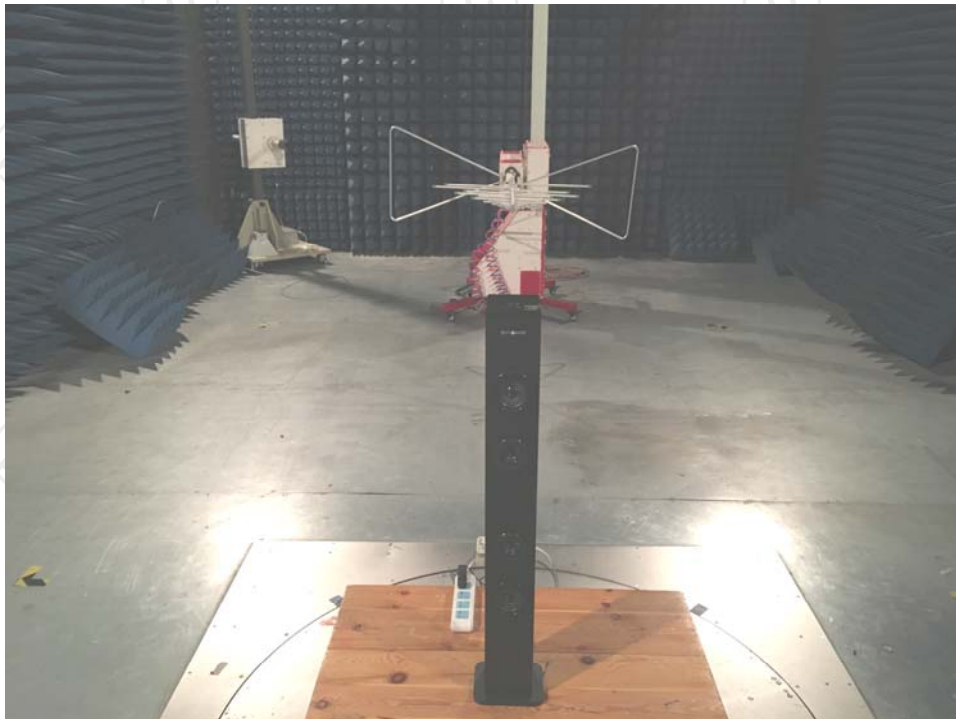
#imgtx3dh51hchnnpuw6

Appendix B: Photographs of Test Setup

Product: Bluetooth speaker

Model: PBT3028

Radiated Emission

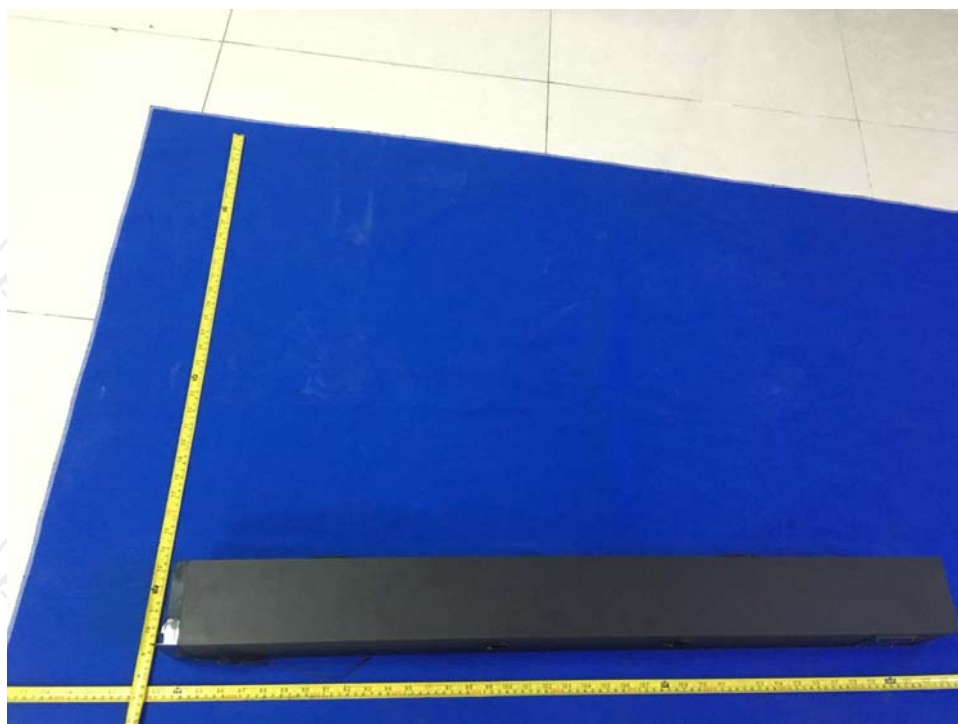


CE



Appendix C: Photographs of EUT
Product: Bluetooth speaker
Model: PBT3028
External Photos



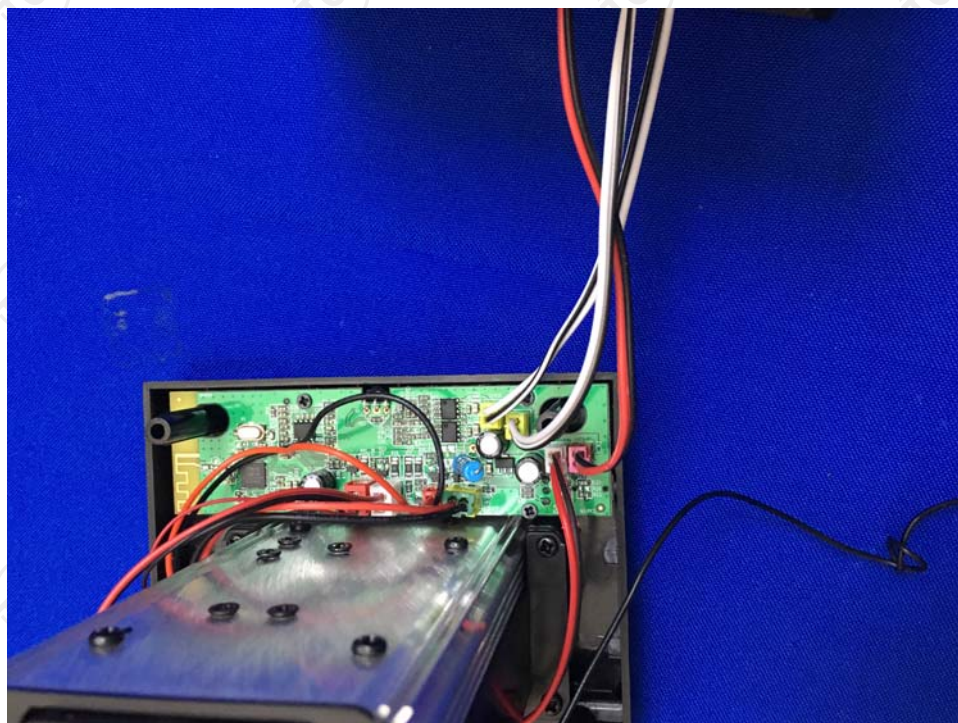
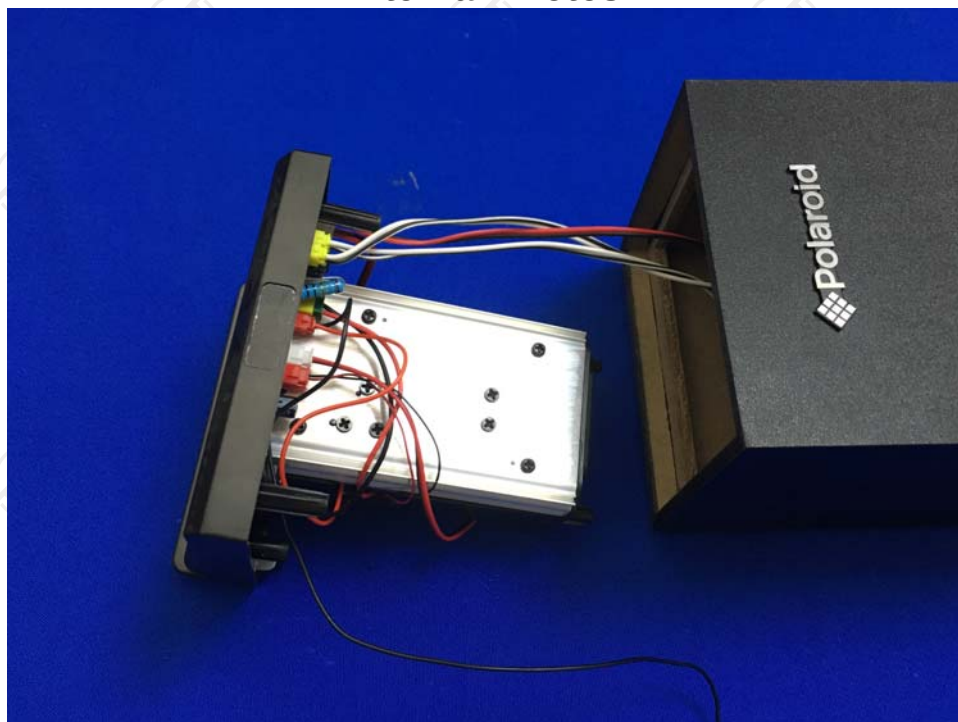


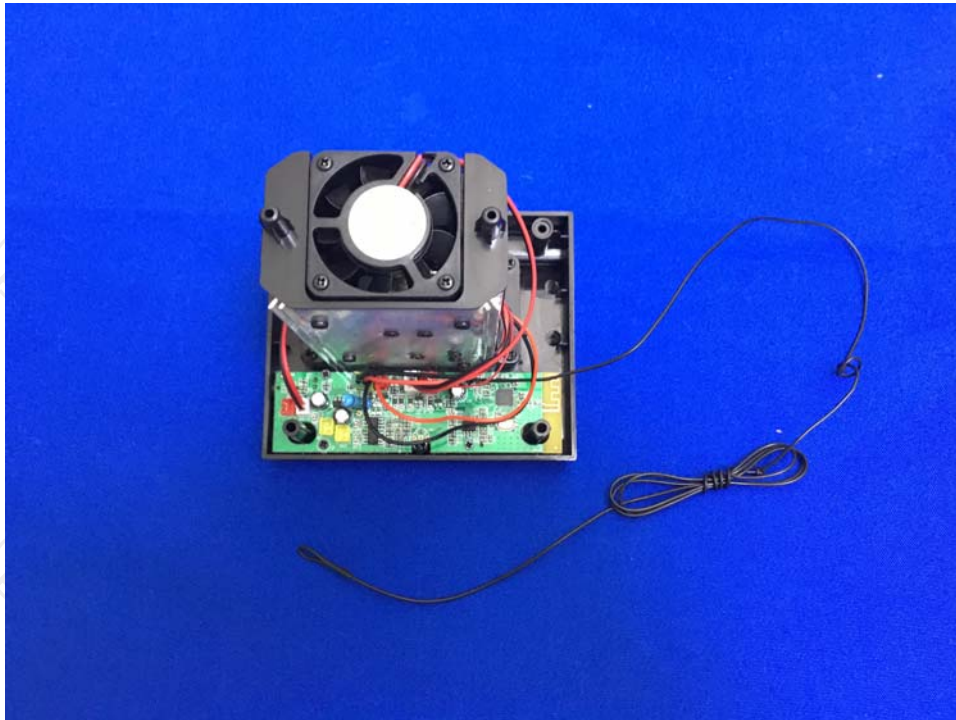


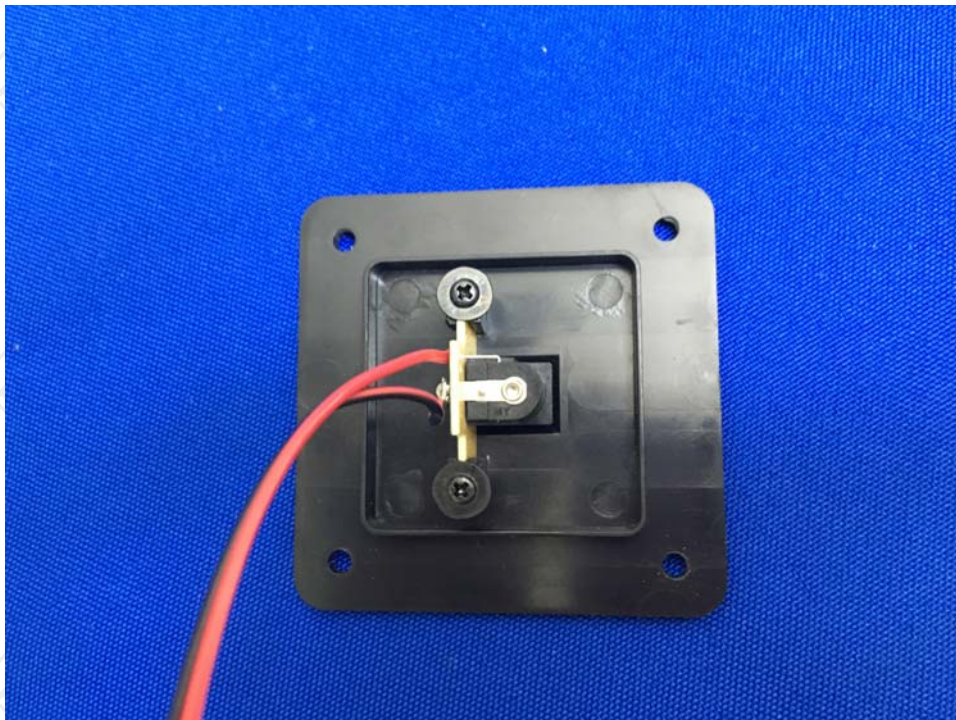


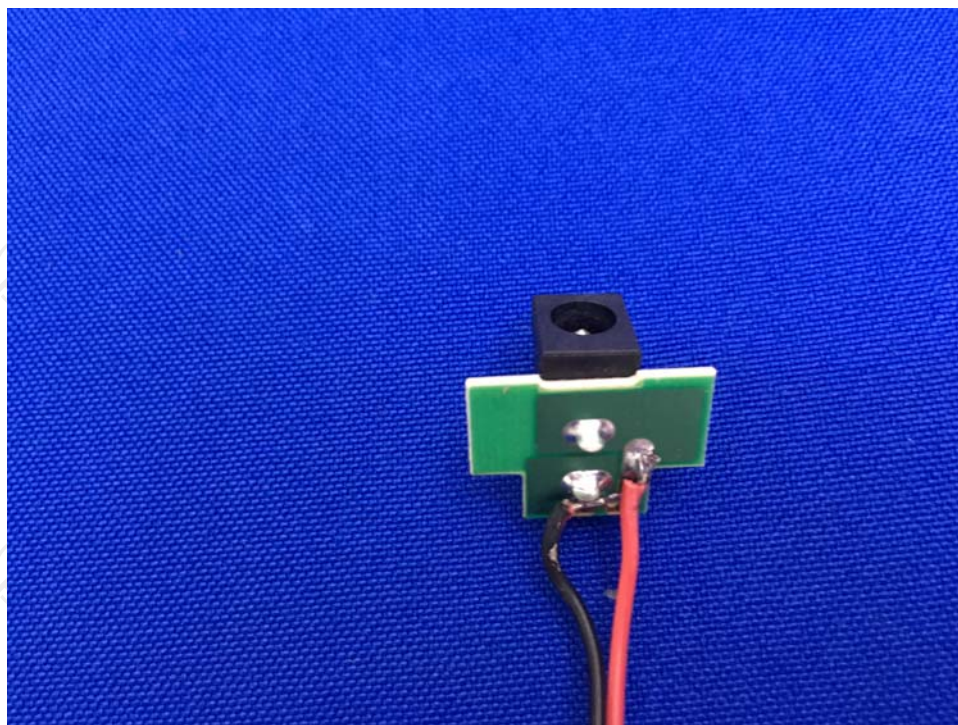


Product: Bluetooth headphones
Model: PBT3028
Internal Photos









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