

8DPSK/HCH



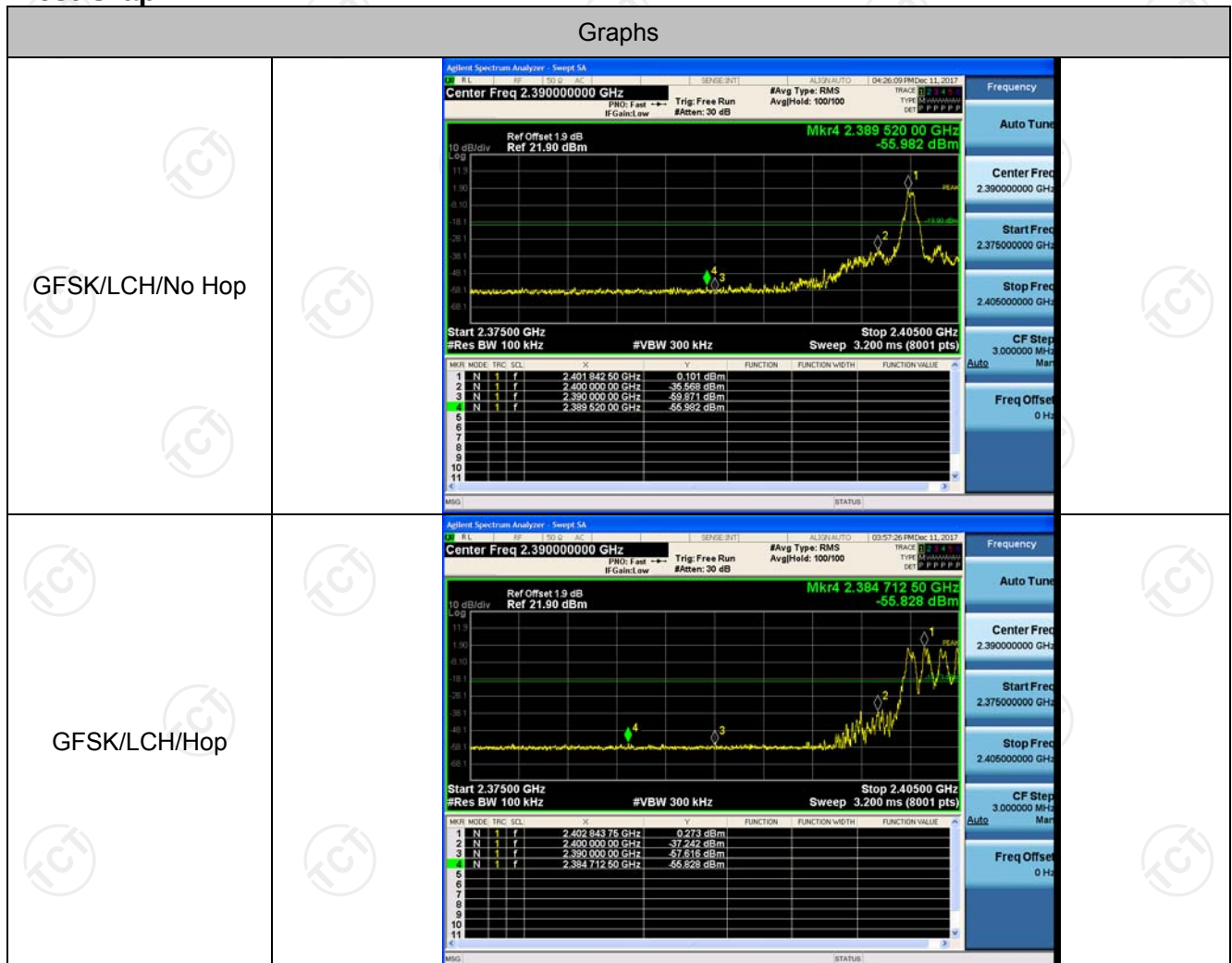
Band-edge for RF Conducted Emissions

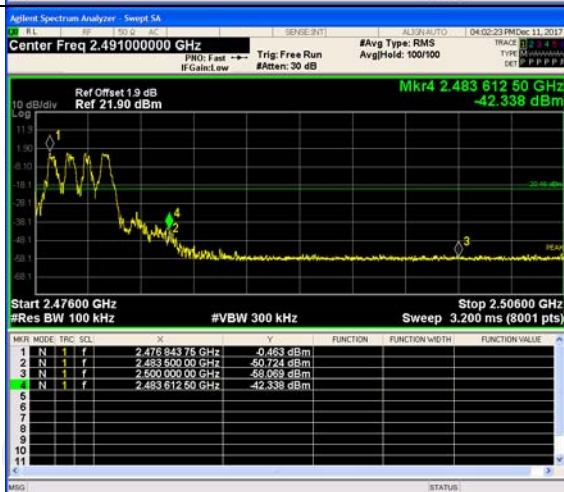
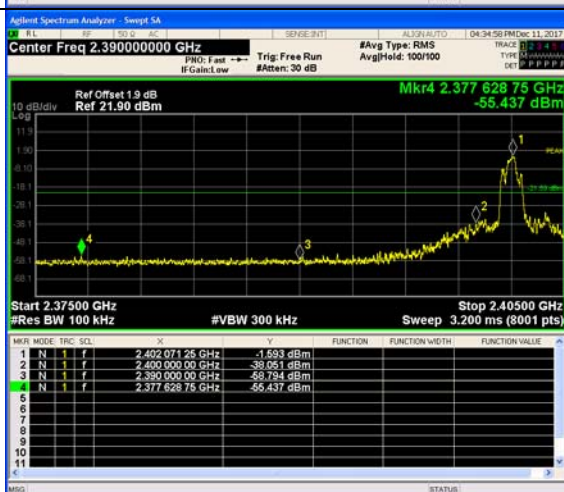
Result Table

Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	2402	0.101	Off	-55.982	-19.9	PASS
			0.273	On	-55.828	-19.73	PASS
GFSK	HCH	2480	-1.053	Off	-43.371	-21.05	PASS
			-0.463	On	-42.338	-20.46	PASS
$\pi/4$ DQPSK	LCH	2402	-1.593	Off	-55.437	-21.59	PASS
			-1.382	On	-56.057	-21.38	PASS
$\pi/4$ DQPSK	HCH	2480	-2.874	Off	-43.233	-22.87	PASS
			-2.389	On	-49.195	-22.39	PASS
8DPSK	LCH	2402	-1.328	Off	-56.519	-21.33	PASS
			-0.901	On	-56.210	-20.9	PASS
8DPSK	HCH	2480	-2.878	Off	-43.806	-22.88	PASS
			-2.306	On	-54.115	-22.31	PASS

Test Graph

Graphs

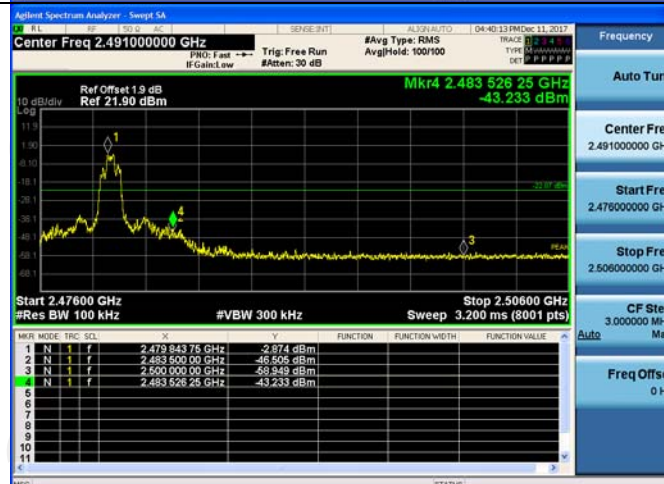


GFSK/HCH/No Hop	 <table><thead><tr><th>MNR</th><th>MODE</th><th>TRC</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr></thead><tbody><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.479 843 75 GHz</td><td>-1.053 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.483 500 00 GHz</td><td>-46.559 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>-59.194 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.483 743 75 GHz</td><td>-43.371 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	2.479 843 75 GHz	-1.053 dBm				2	N	1	f	2.483 500 00 GHz	-46.559 dBm				3	N	1	f	2.500 000 00 GHz	-59.194 dBm				4	N	1	f	2.483 743 75 GHz	-43.371 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</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	Freq Offset 0 Hz
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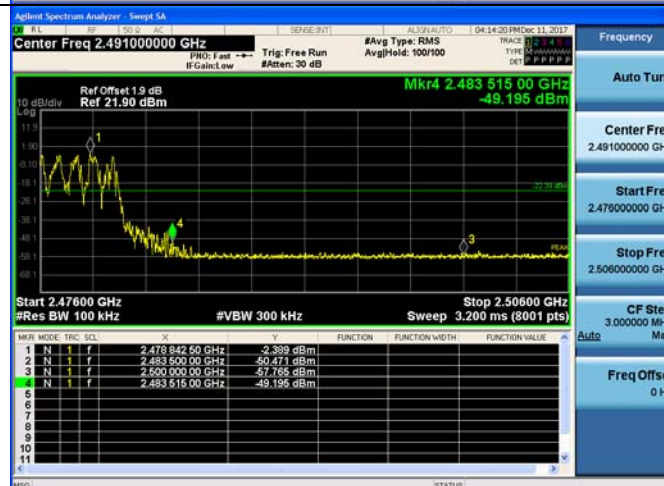
$\pi/4$ DQPSK/LCH/Hop



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



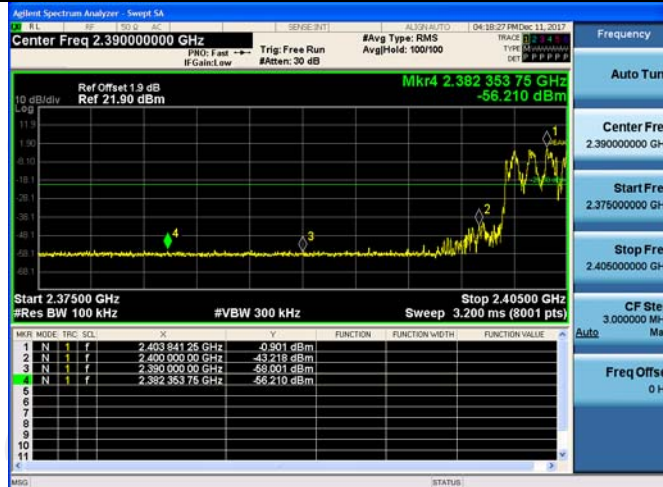
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8DPSK/LCH/No Hop



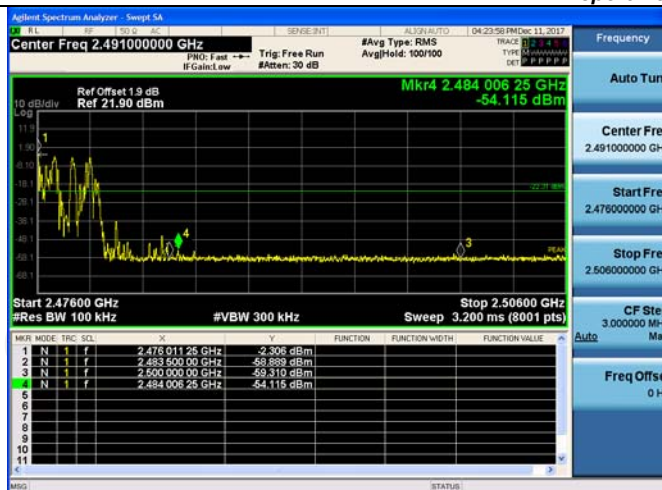
8DPSK/LCH/Hop



8DPSK/HCH/No Hop



8DPSK/HCH/Hop

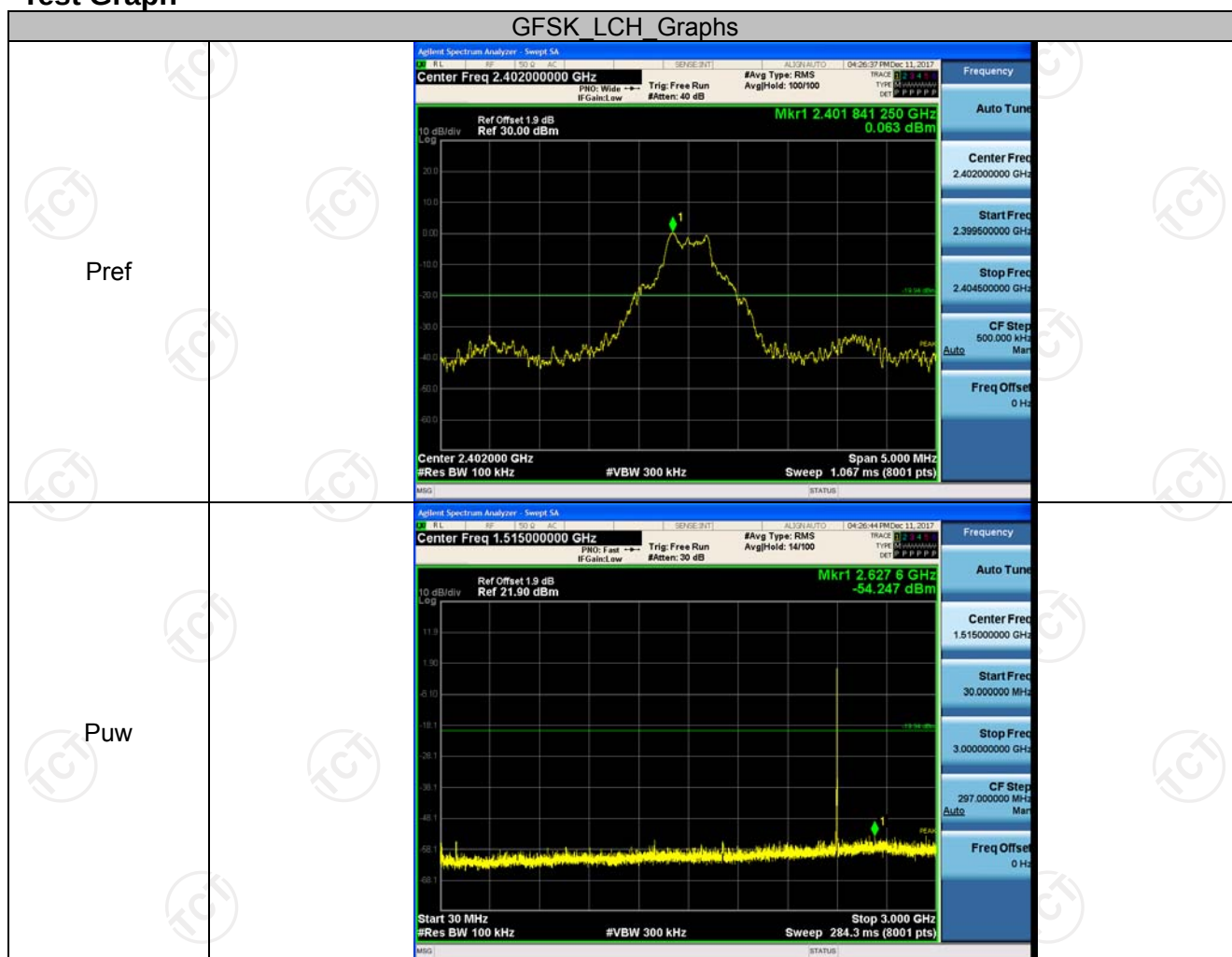


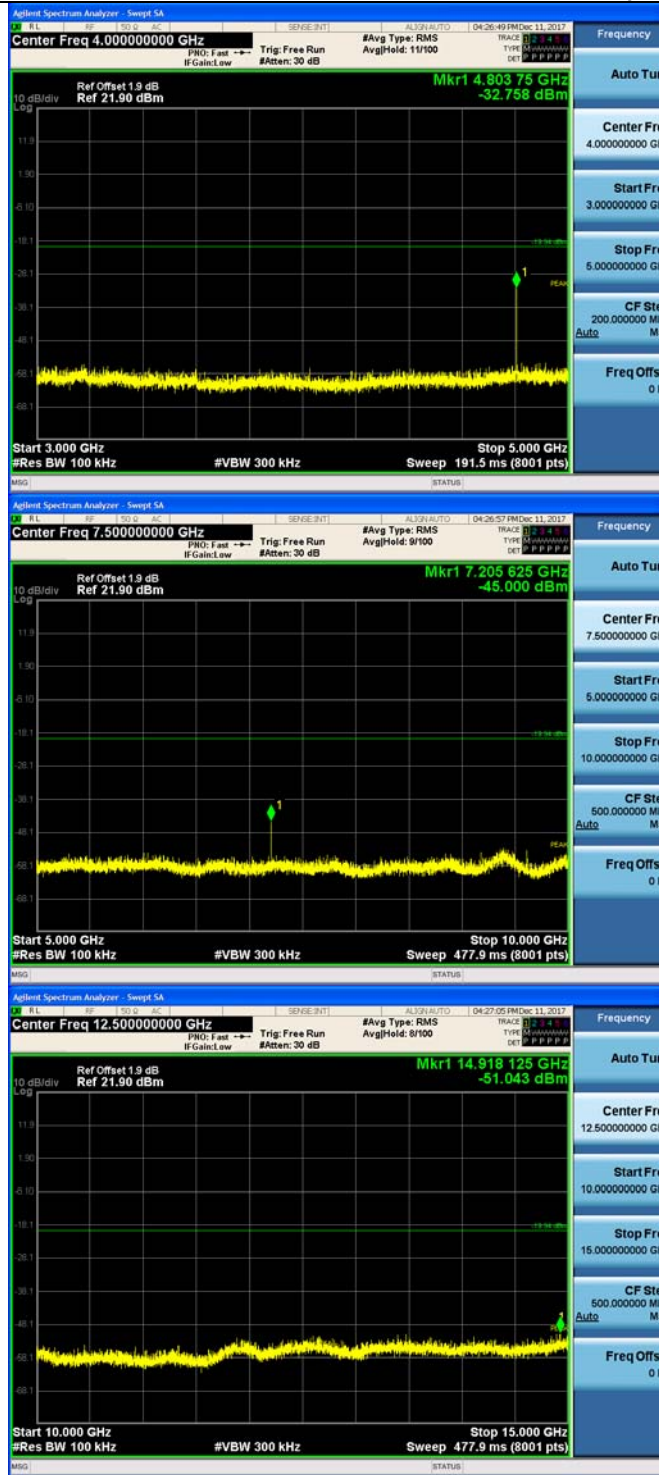
RF Conducted Spurious Emissions

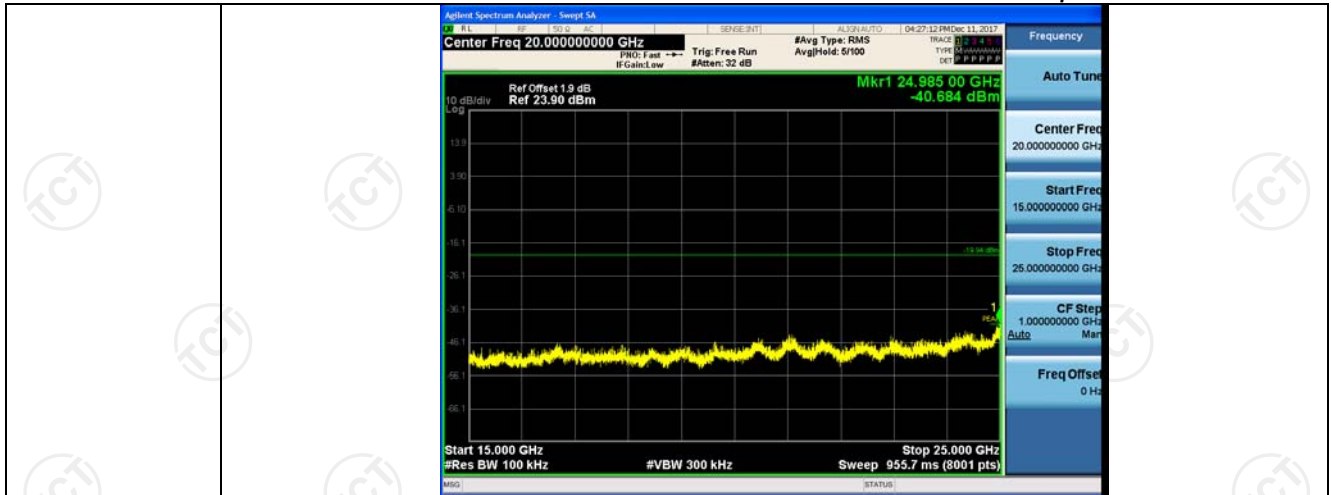
Result Table

Mode	Channel	Pref [dBm]	Puw [dBm]	Verdict
GFSK	LCH	0.063	<Limit	PASS
GFSK	MCH	-1.273	<Limit	PASS
GFSK	HCH	-1.118	<Limit	PASS
$\pi/4$ DQPSK	LCH	-1.515	<Limit	PASS
$\pi/4$ DQPSK	MCH	-3.123	<Limit	PASS
$\pi/4$ DQPSK	HCH	-2.463	<Limit	PASS
8DPSK	LCH	-1.798	<Limit	PASS
8DPSK	MCH	-2.944	<Limit	PASS
8DPSK	HCH	-3.235	<Limit	PASS

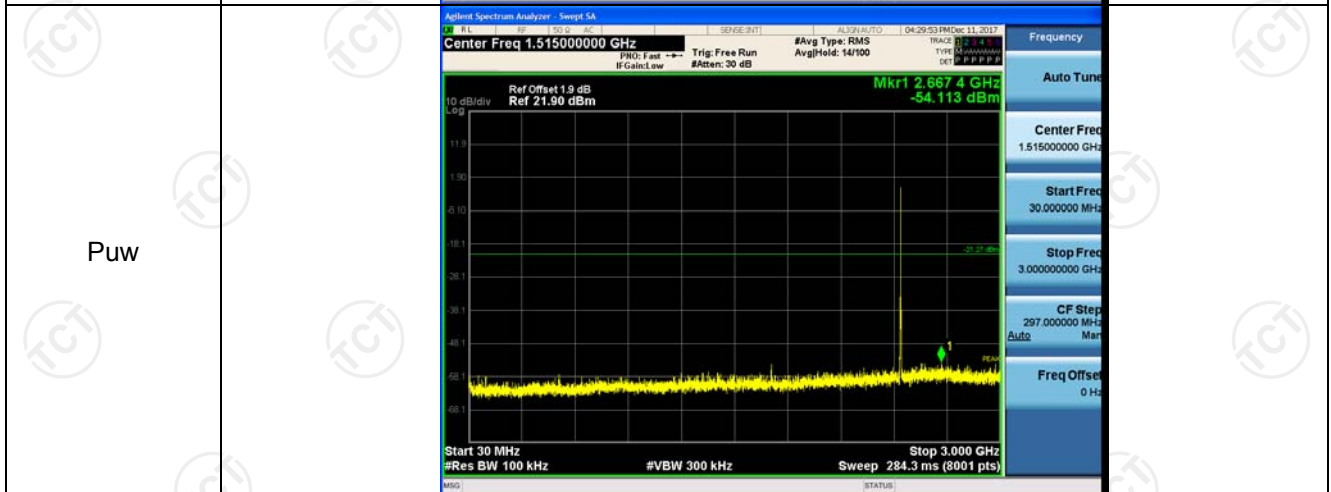
Test Graph

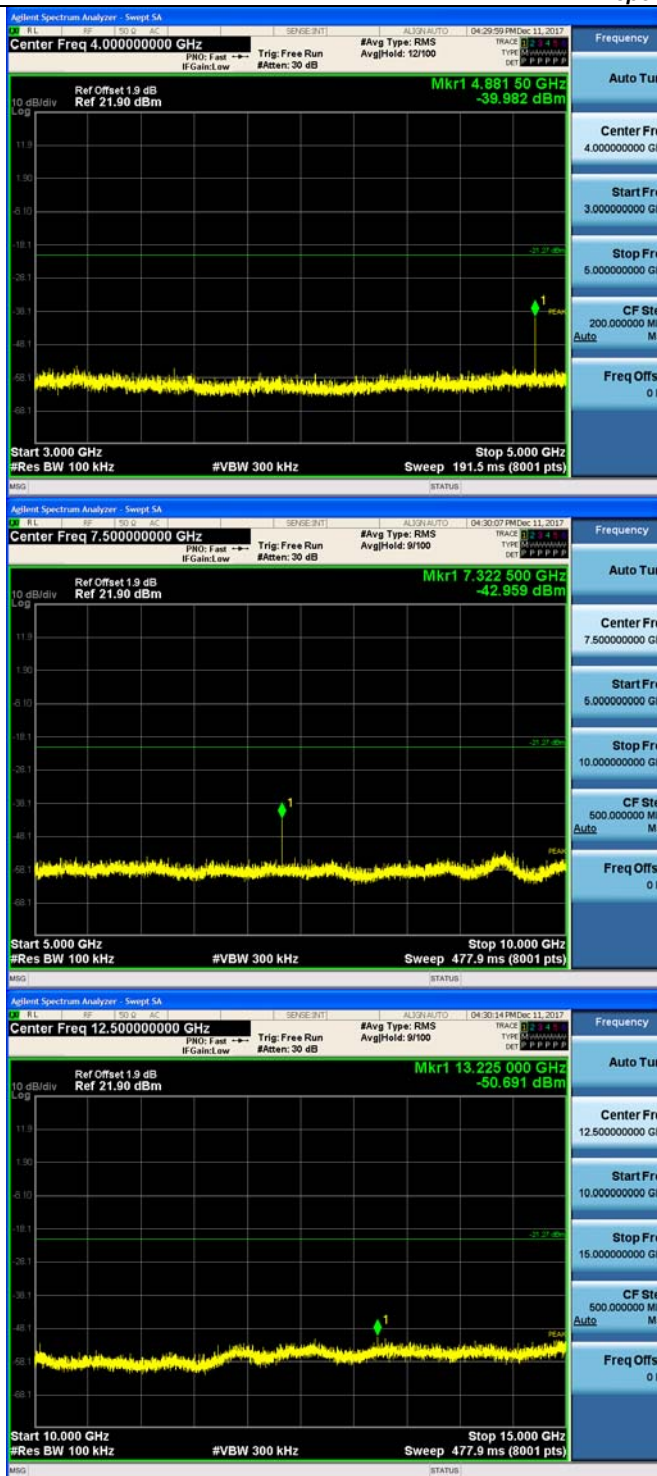


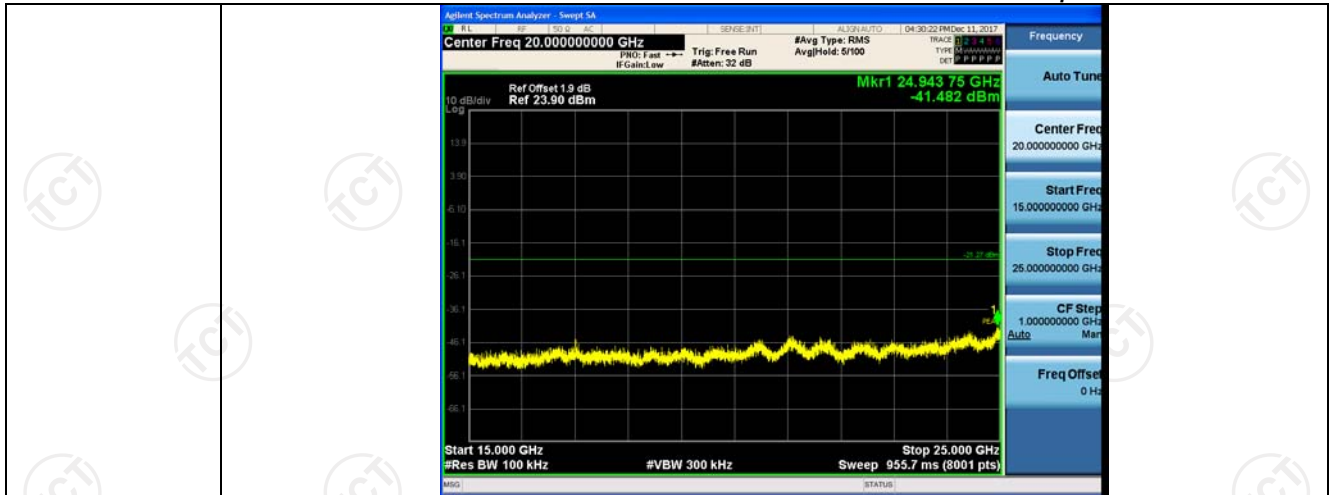




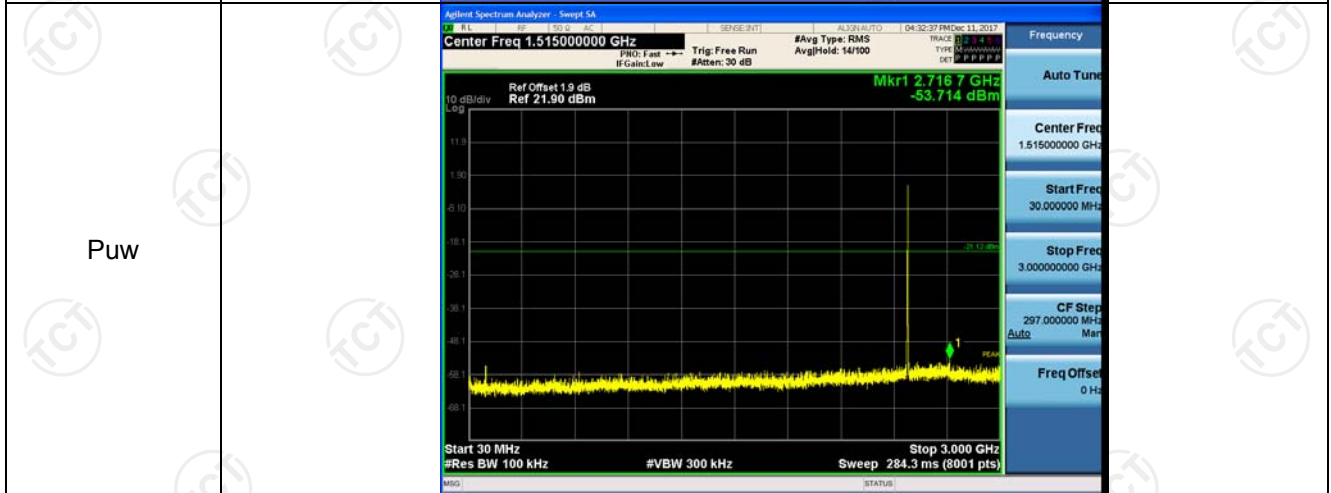
GFSK MCH_Graphs

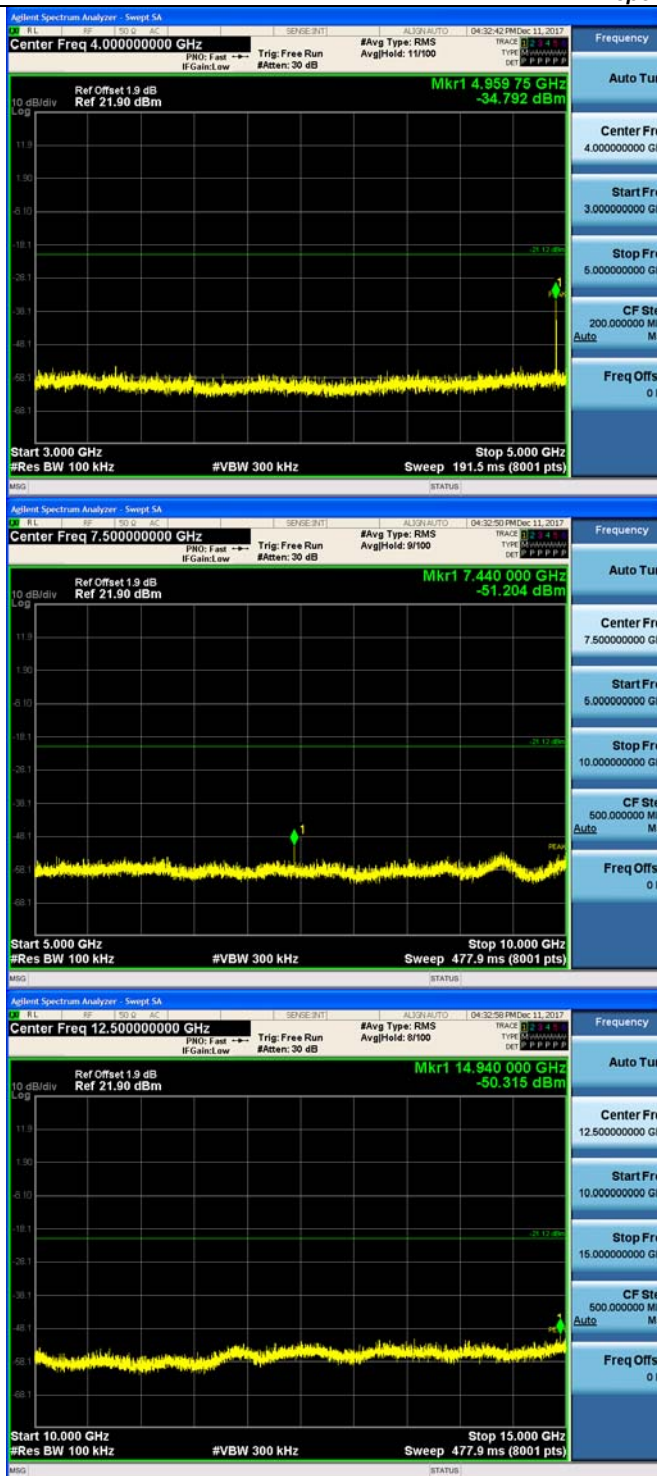


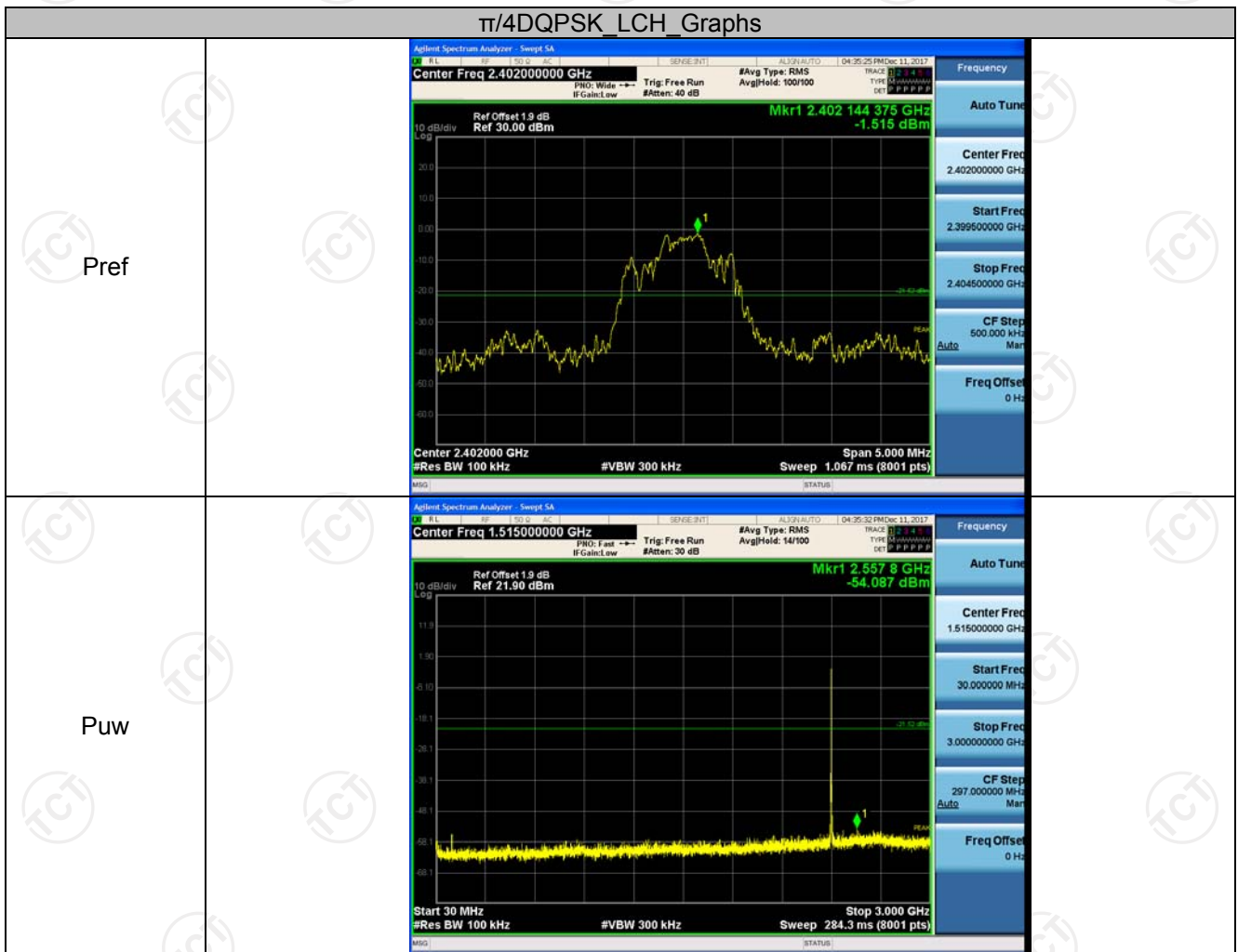
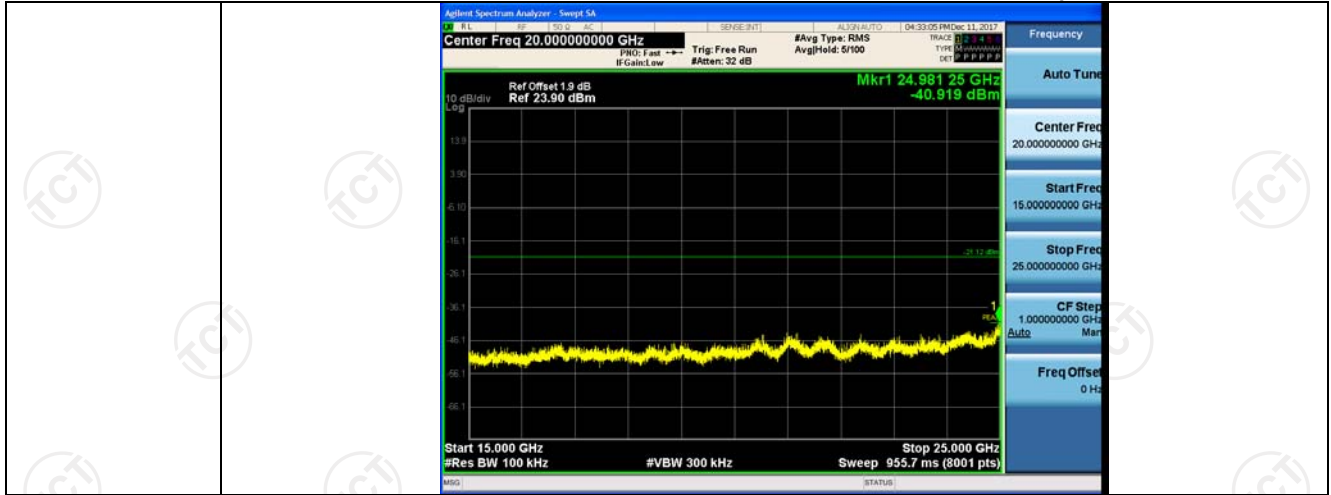


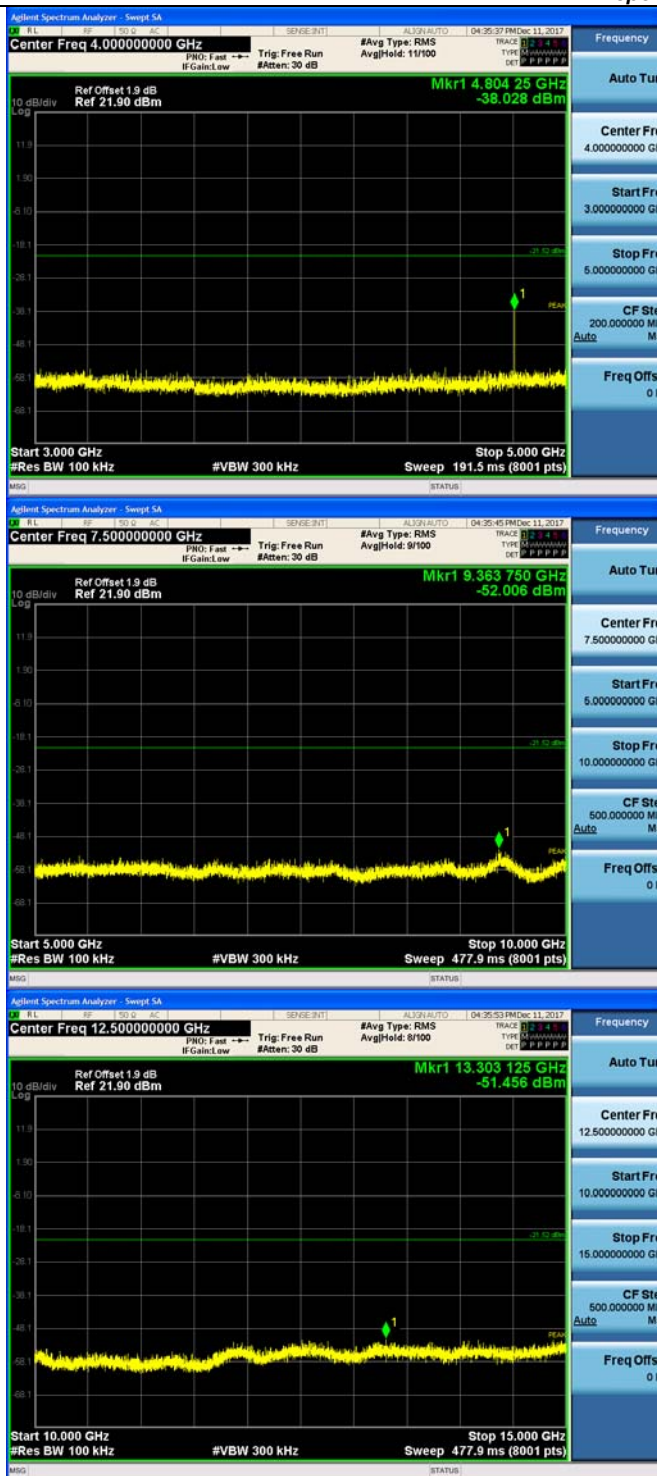


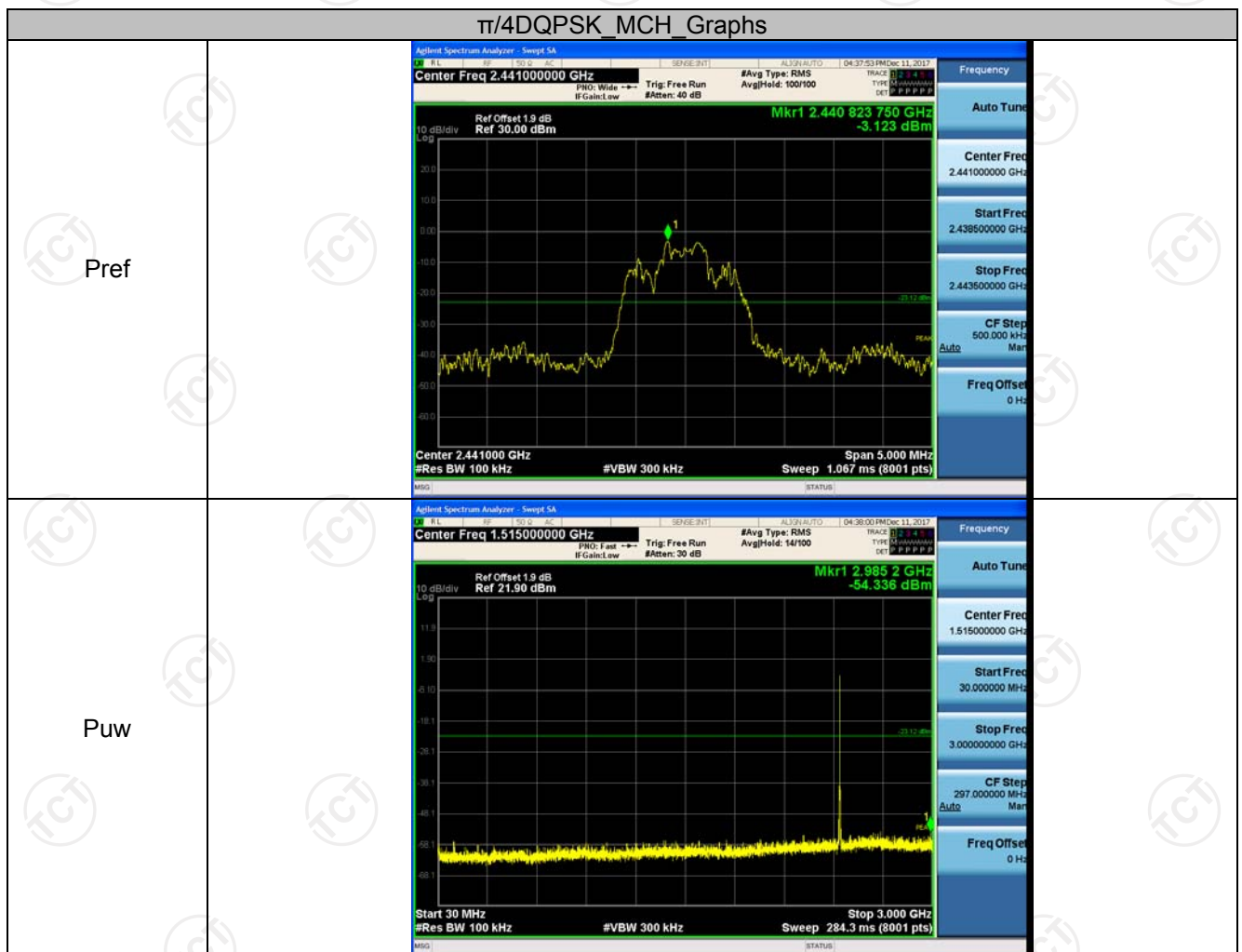
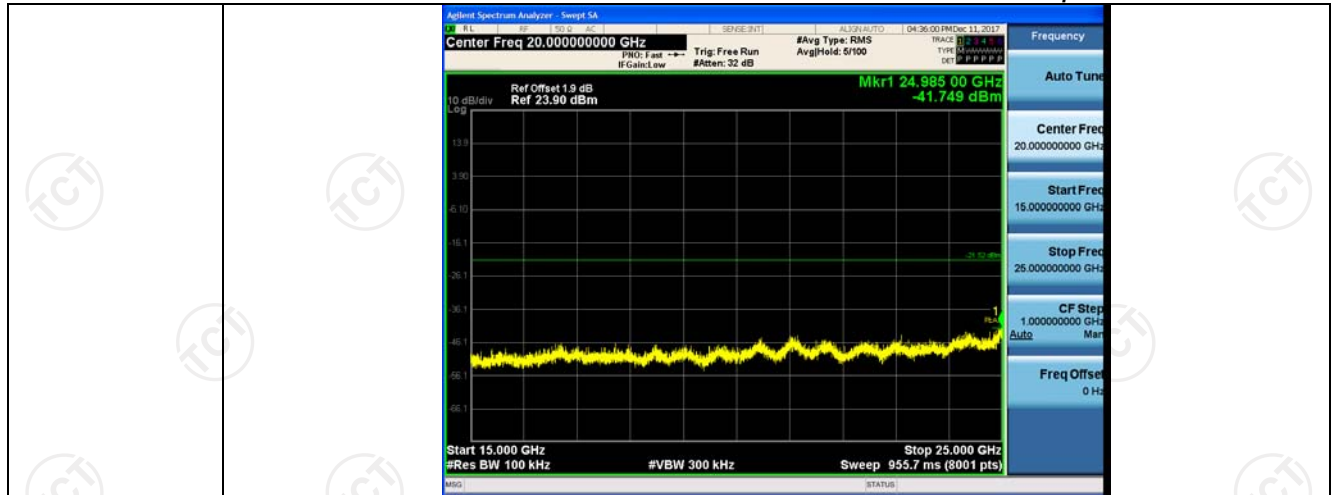
GFSK HCH_Graphs

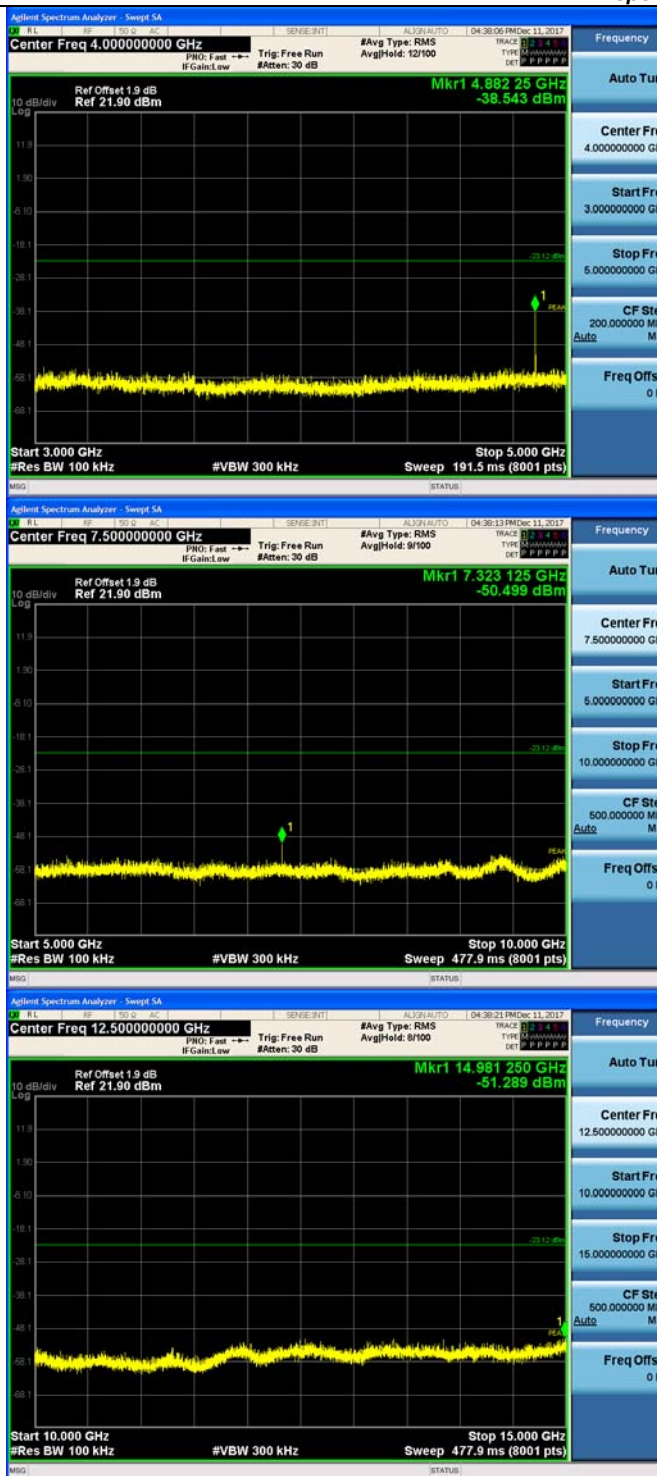


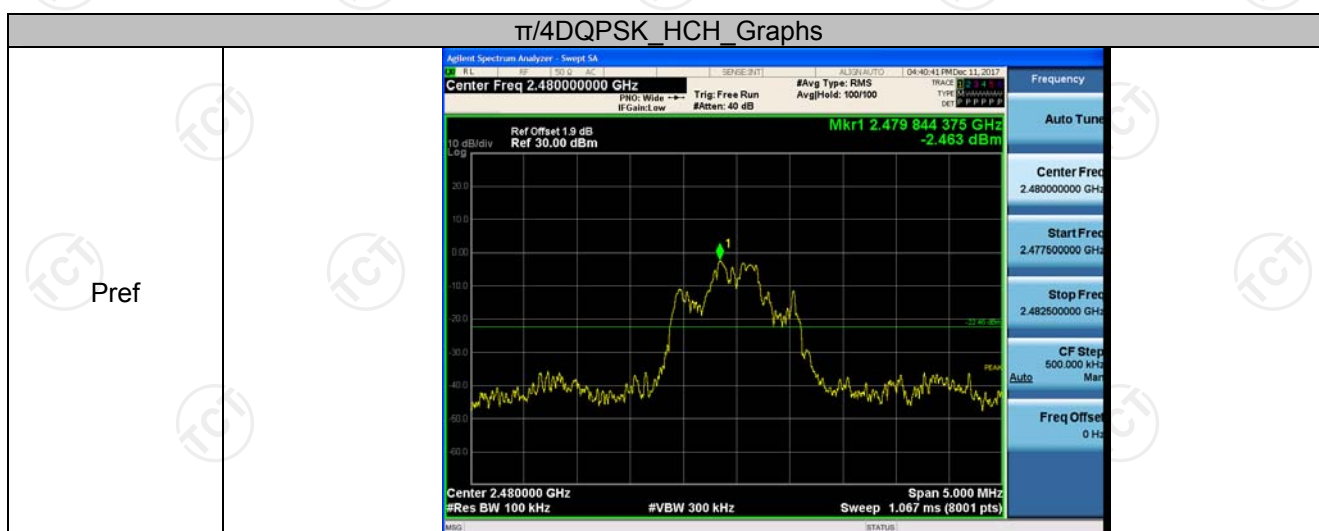
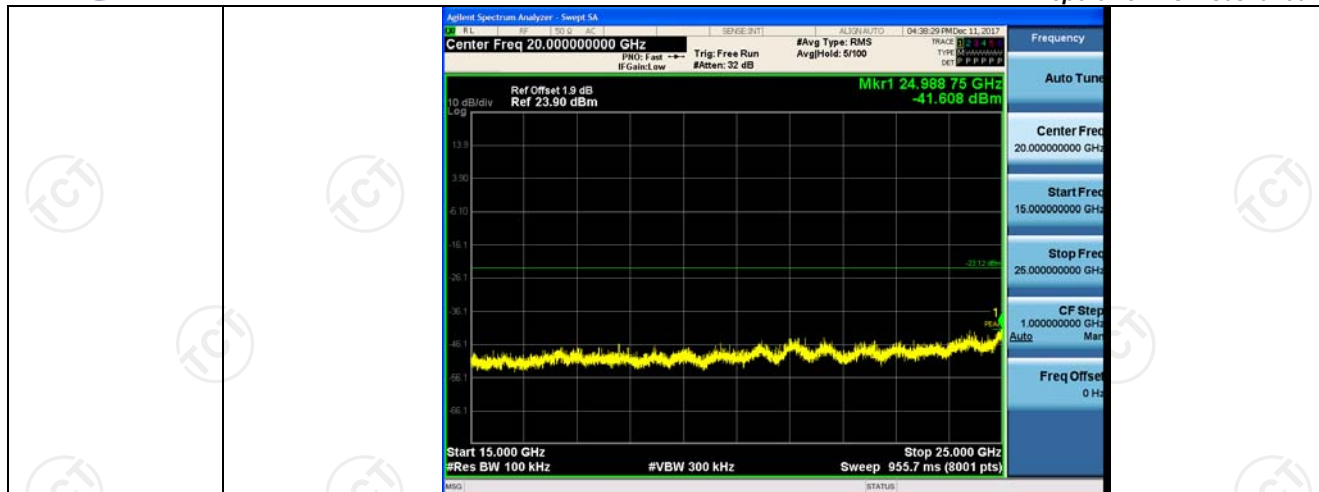




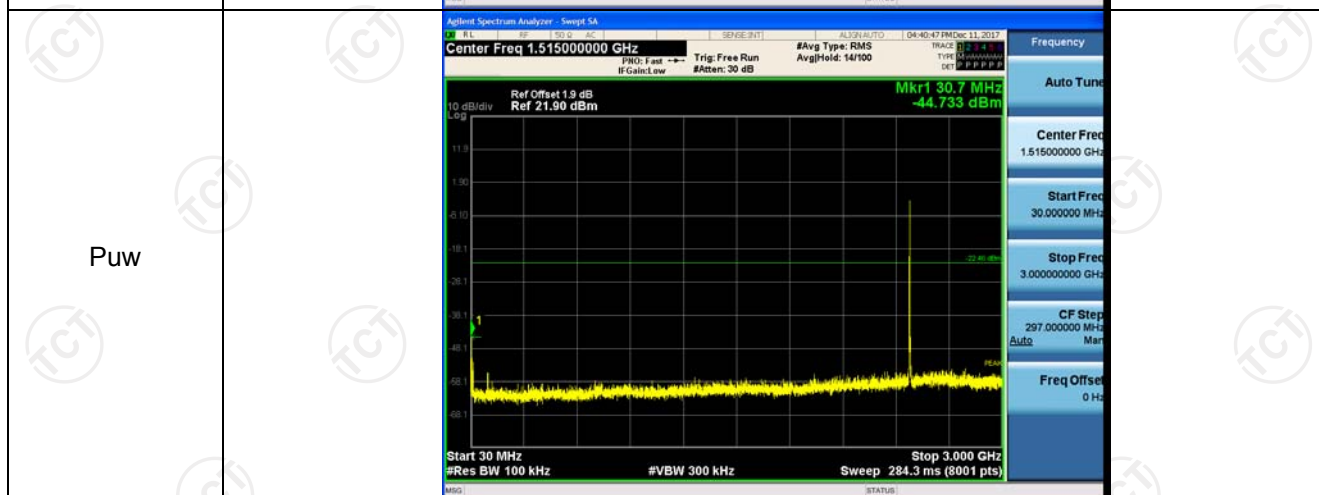




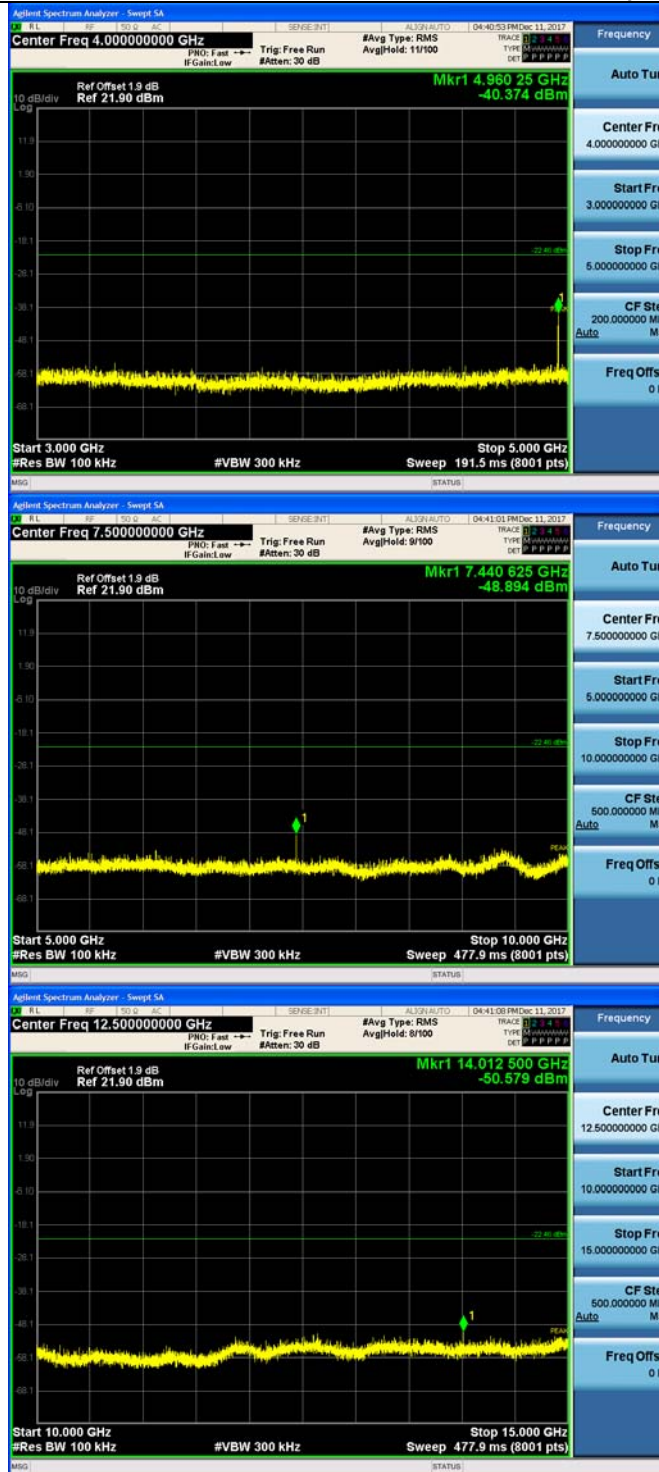


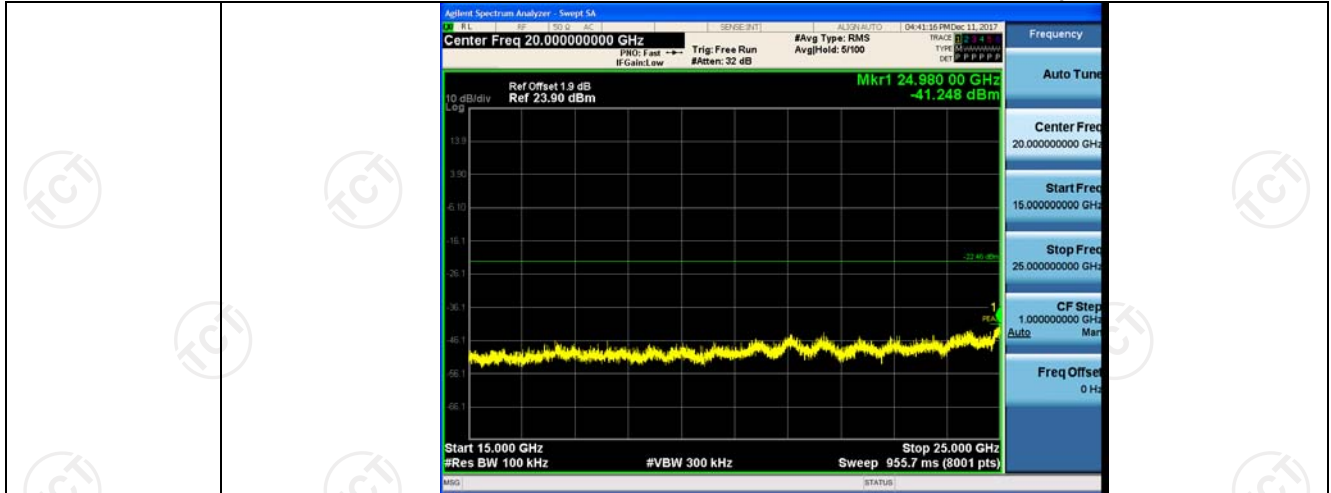


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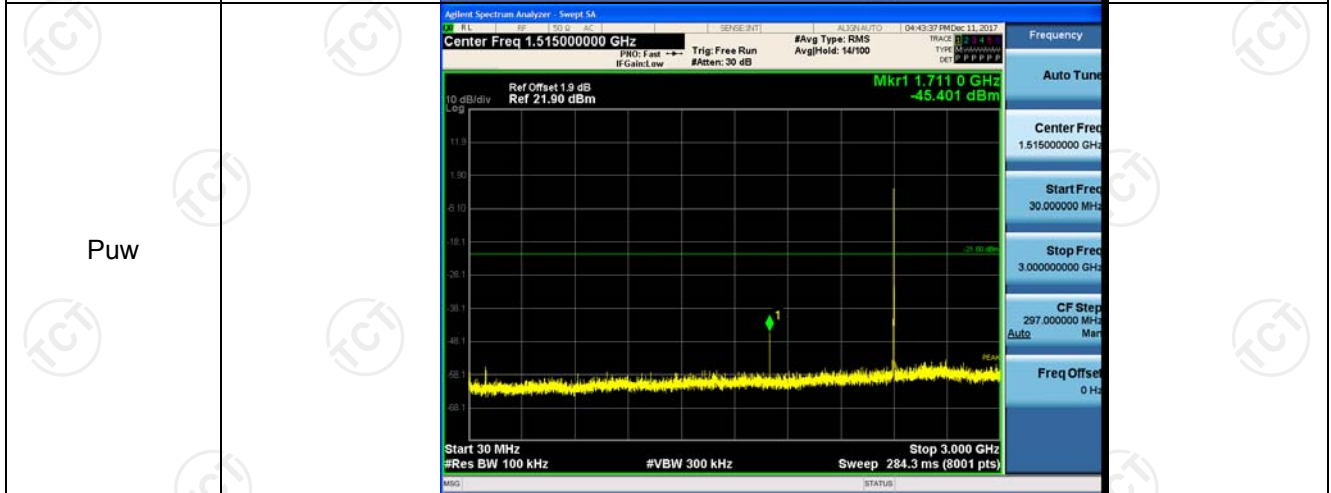


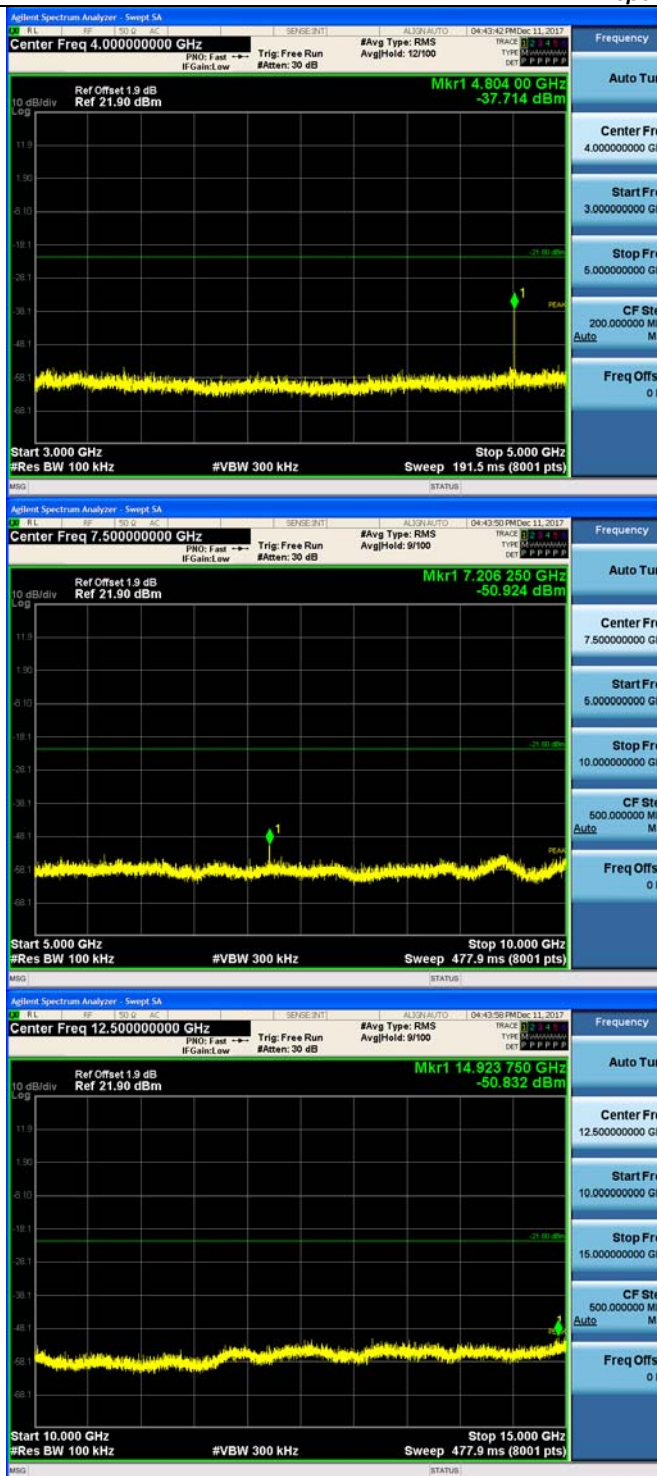
Puw

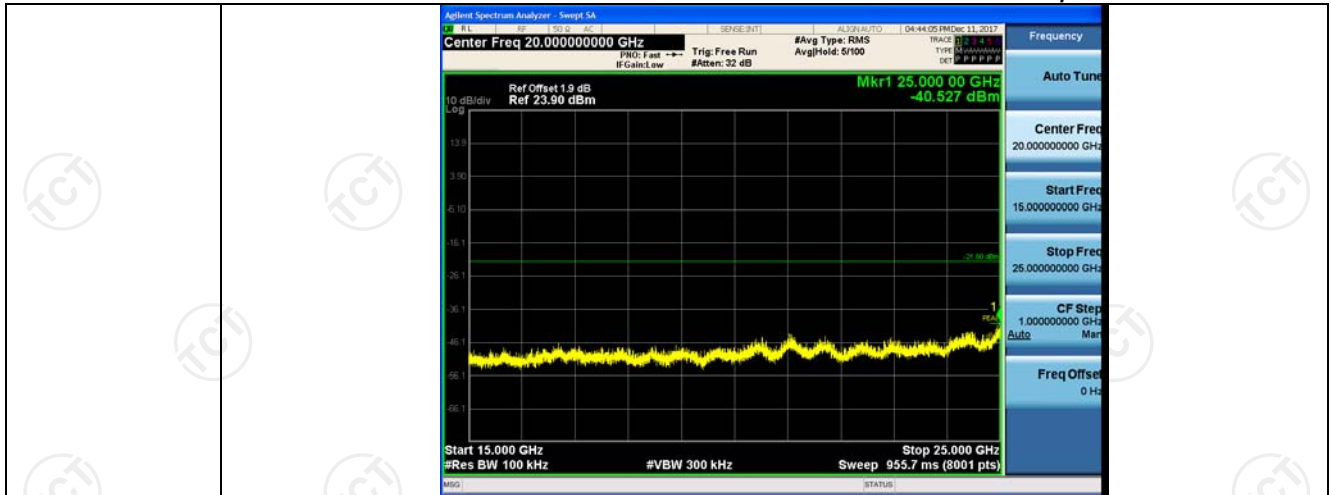




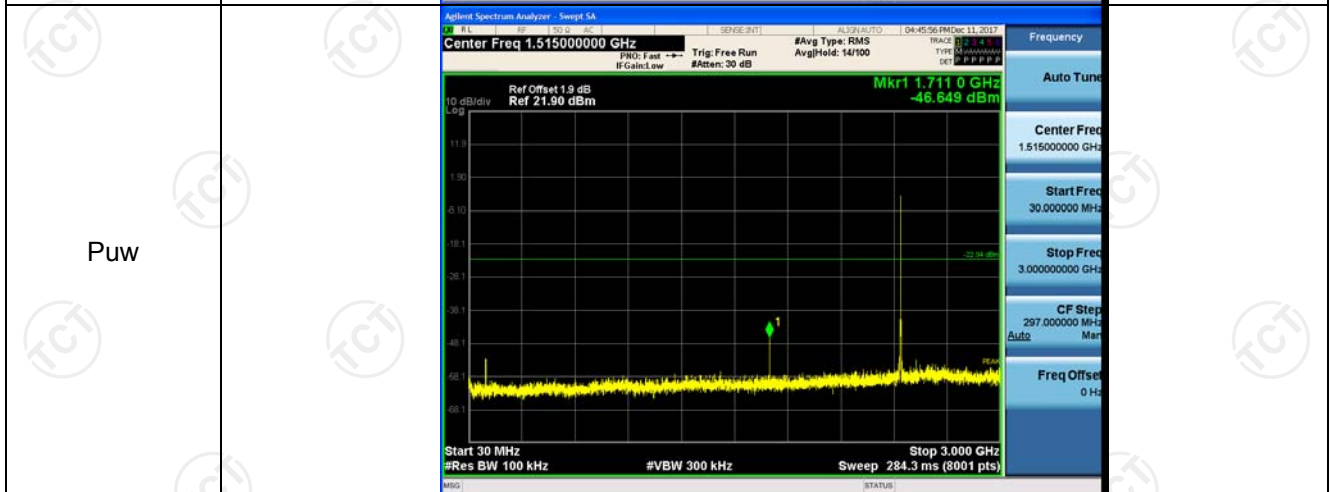
8DPSK_LCH_Graphs

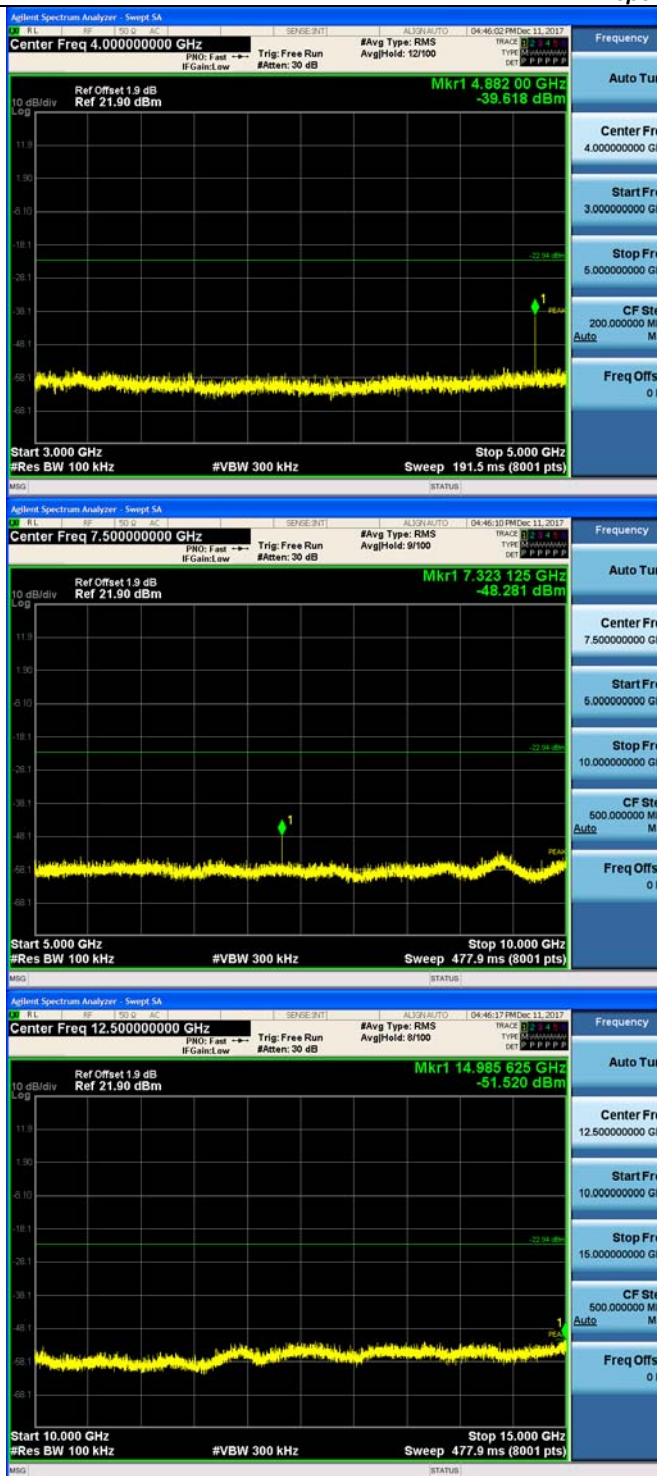


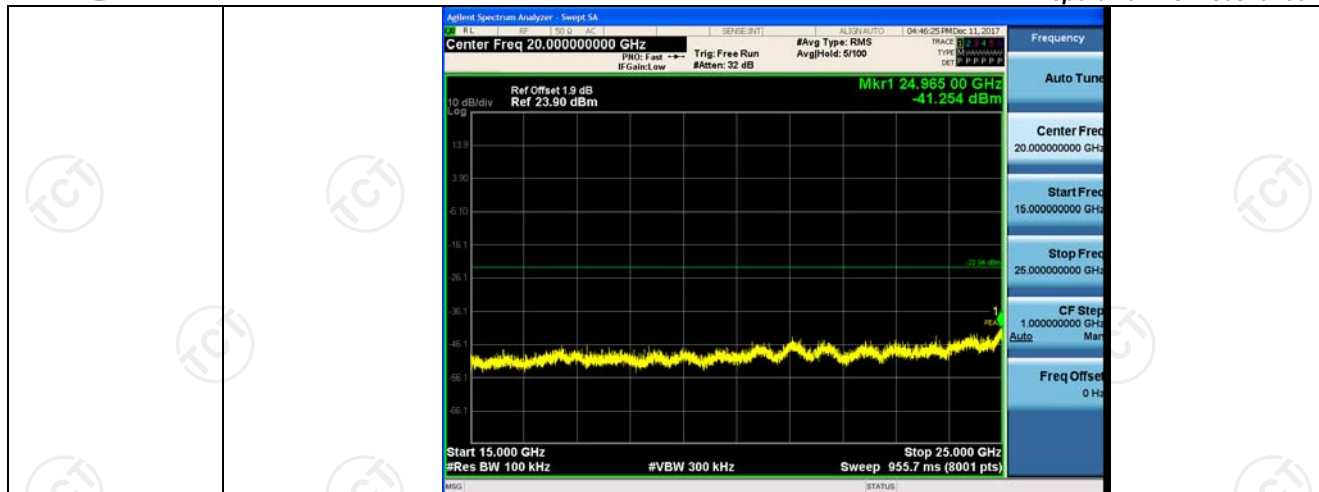




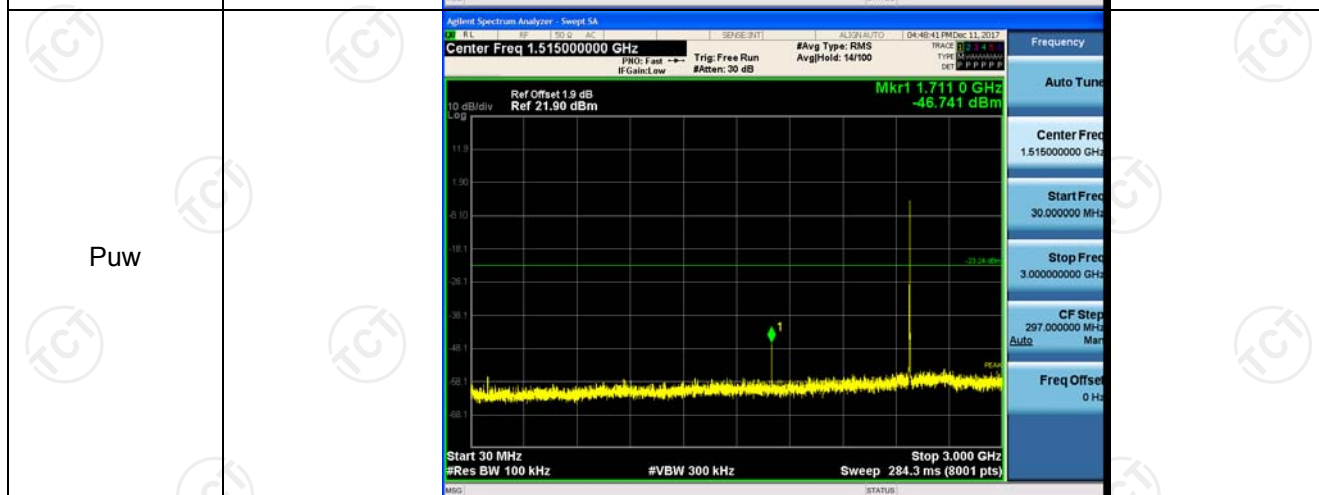
8DPSK MCH Graphs

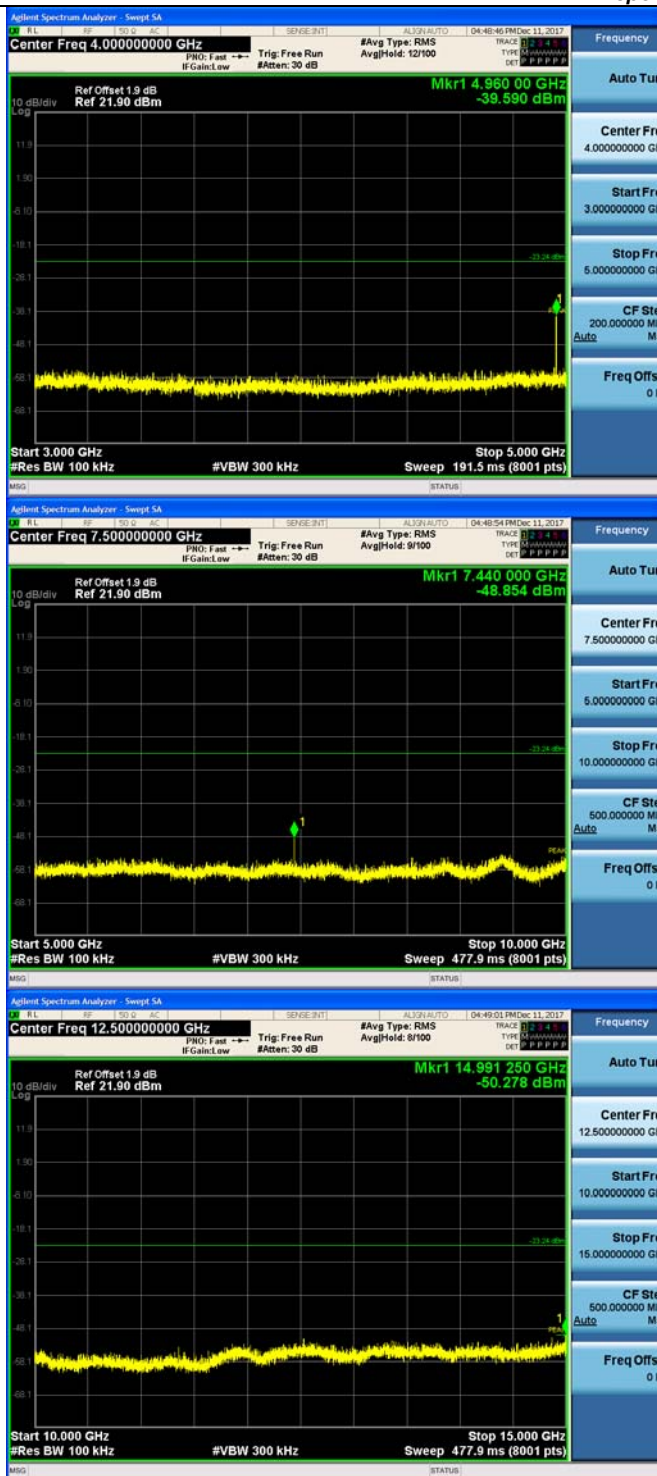


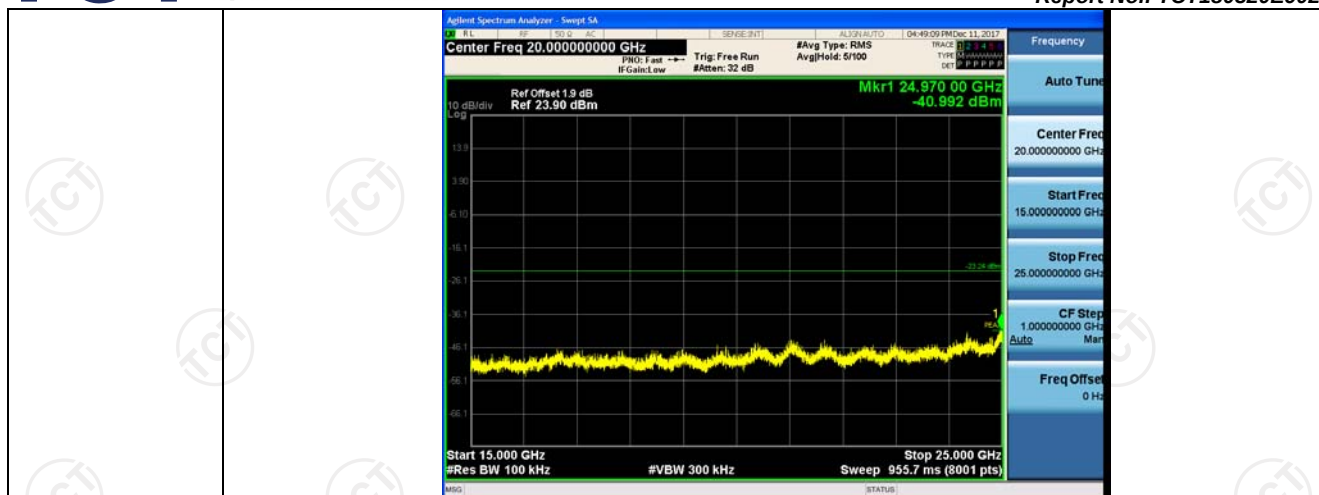




8DPSK HCH Graphs





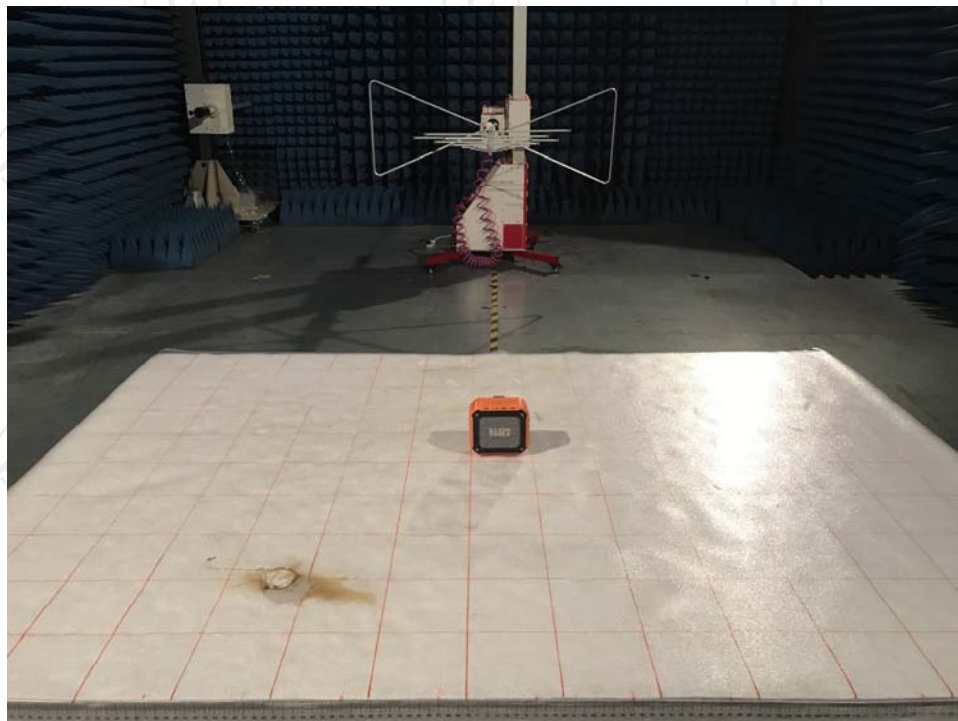


Appendix B: Photographs of Test Setup

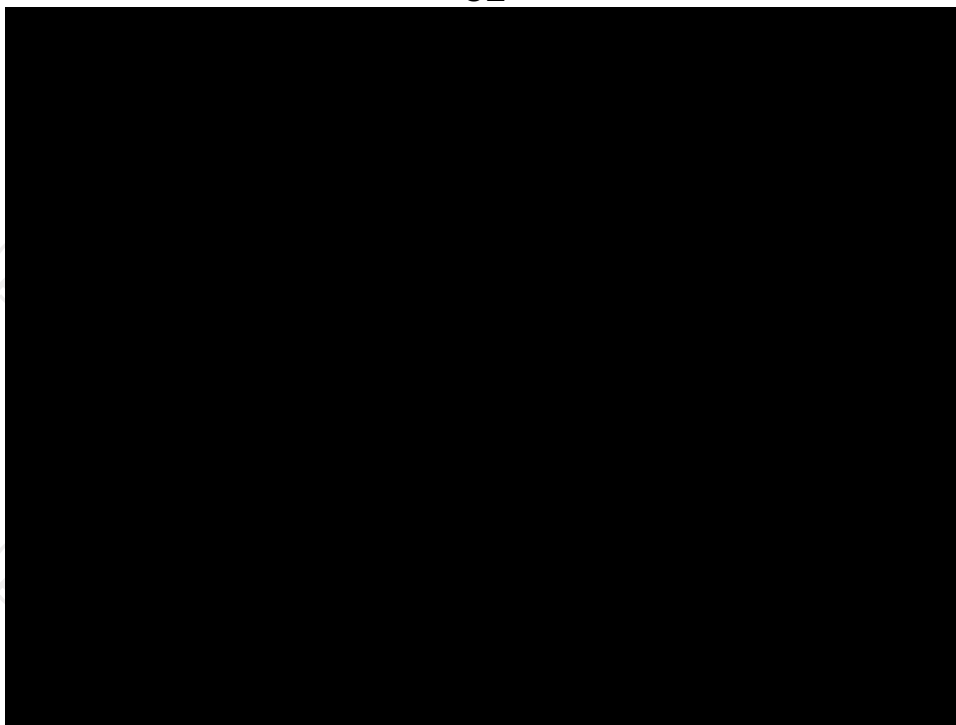
Product: Wireless Speaker

Model: AEPJS-1

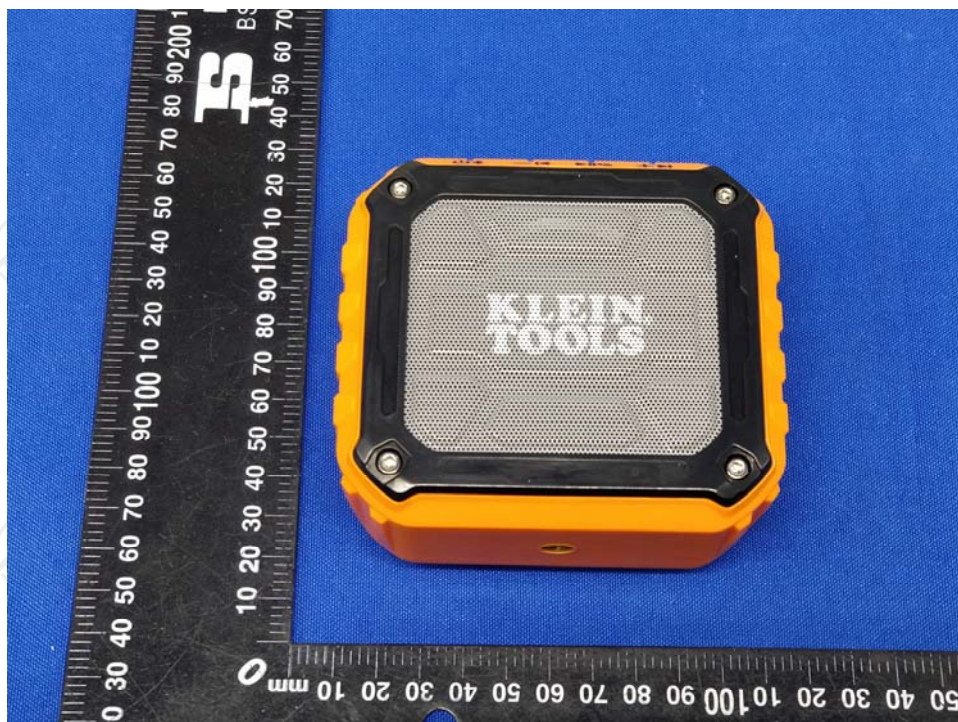
Radiated Emission



CE



Appendix C: Photographs of EUT
Product: Wireless Speaker
Model: AEPJS-1
External Photos

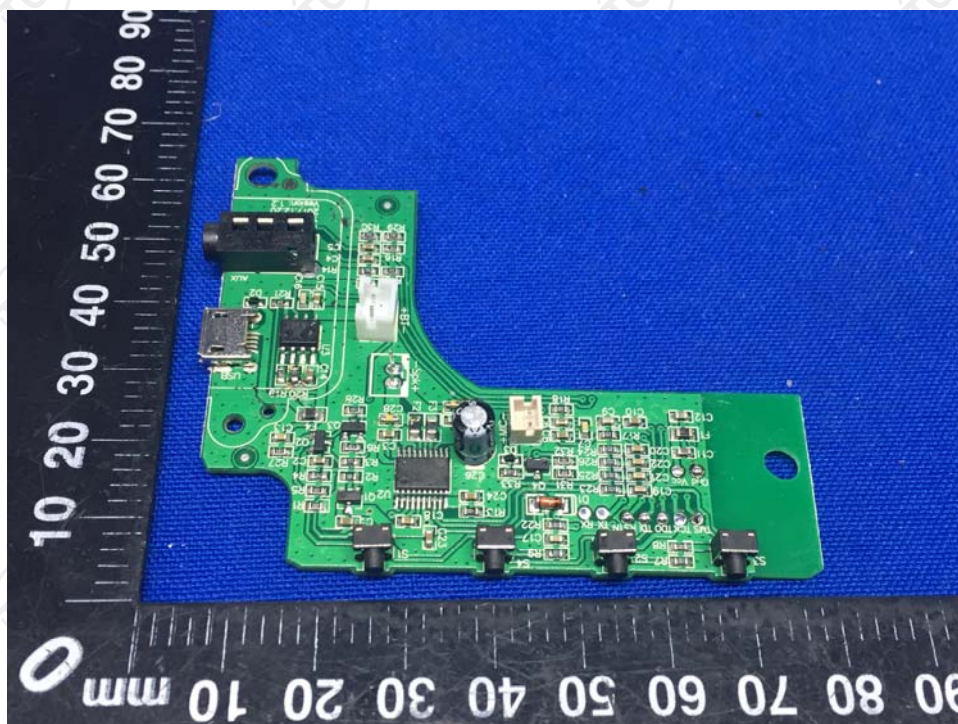


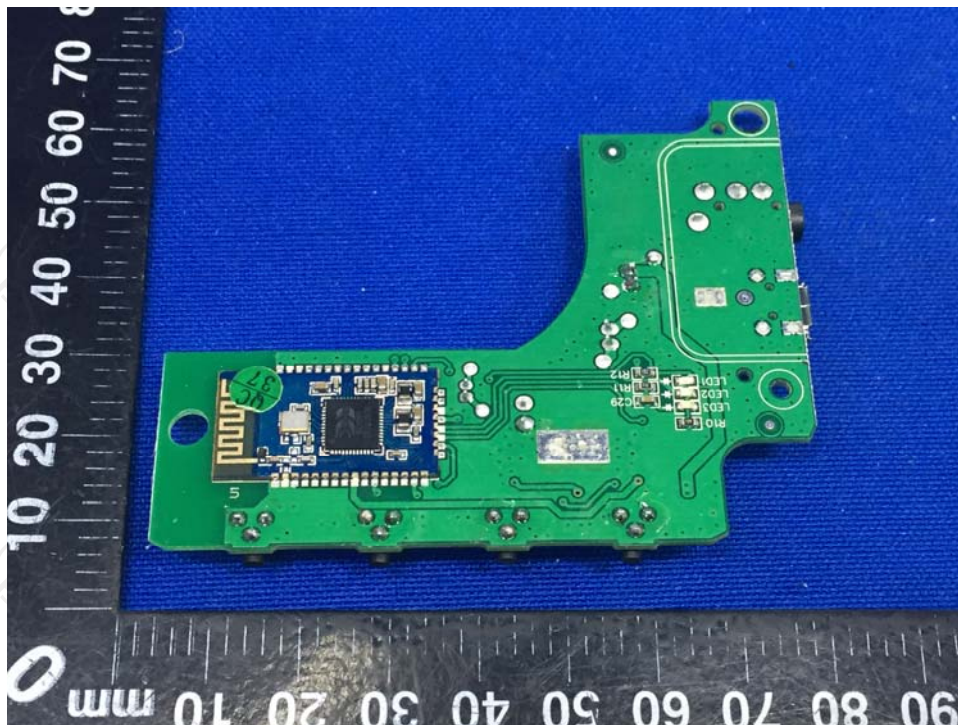


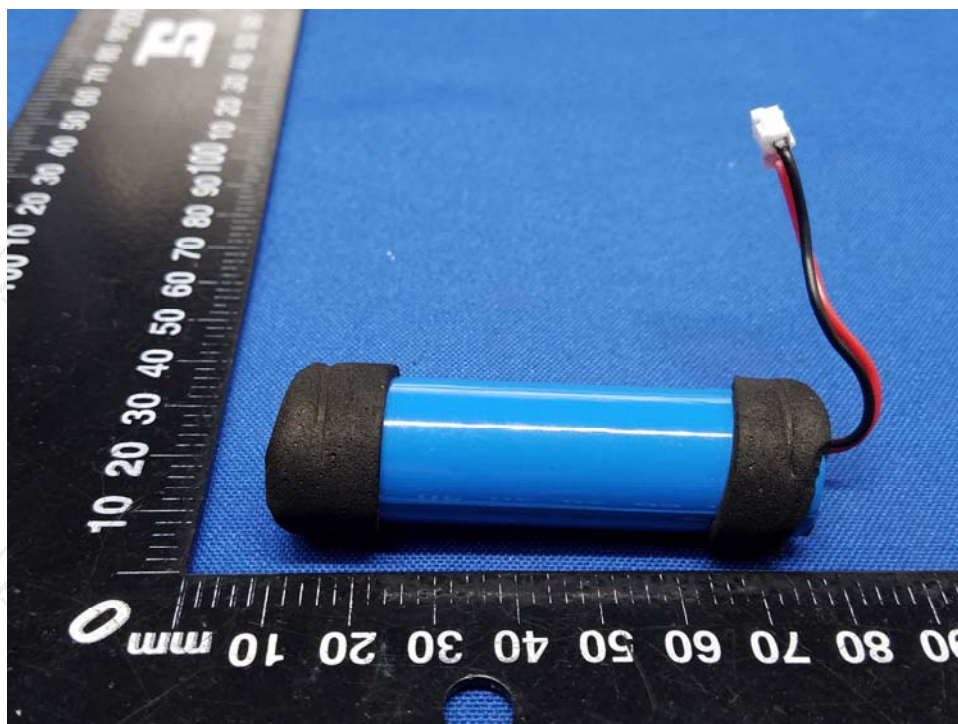




Product: Wireless Speaker
Model: AEPJS-1
Internal Photos







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