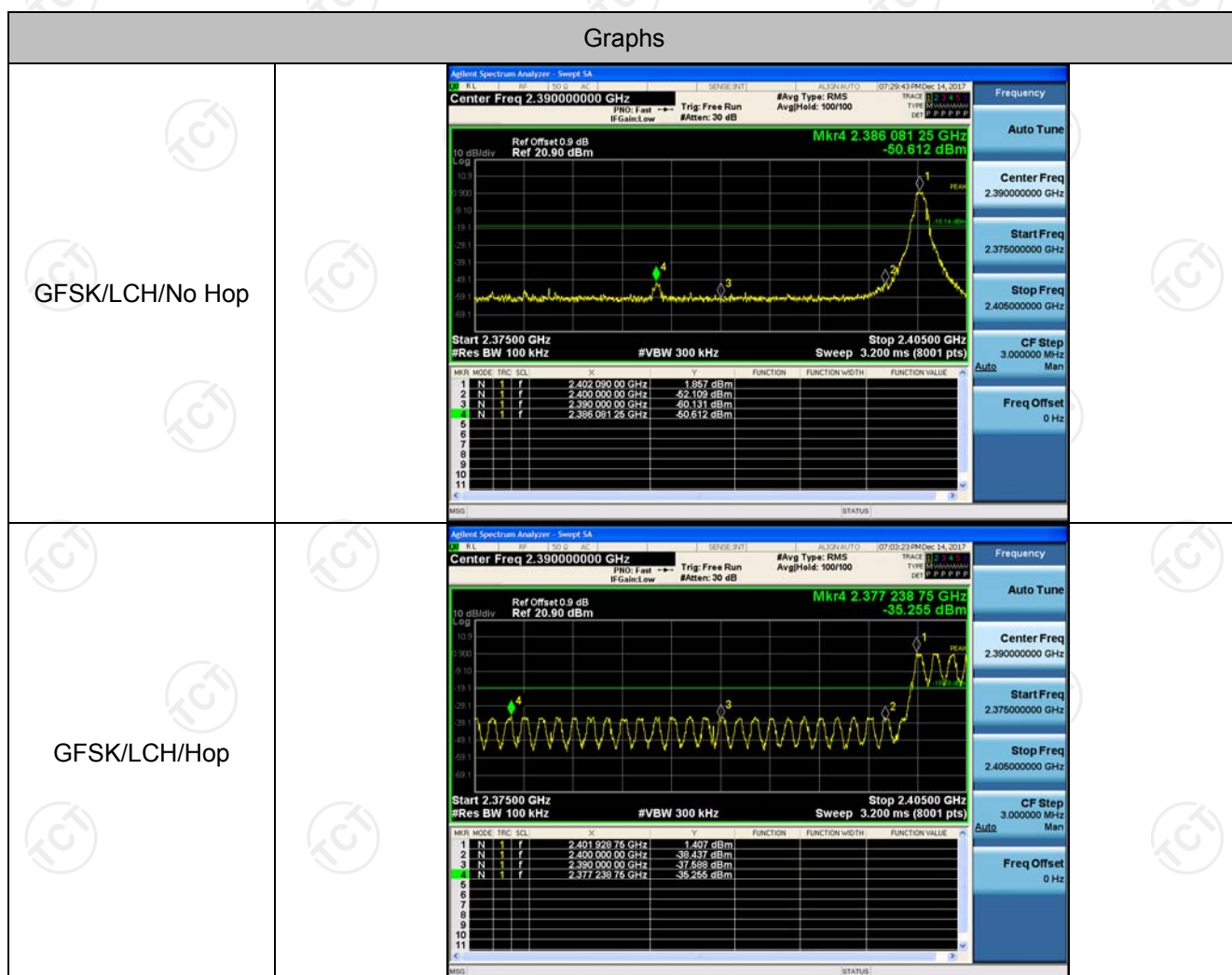


Band-edge for RF Conducted Emissions

Result Table

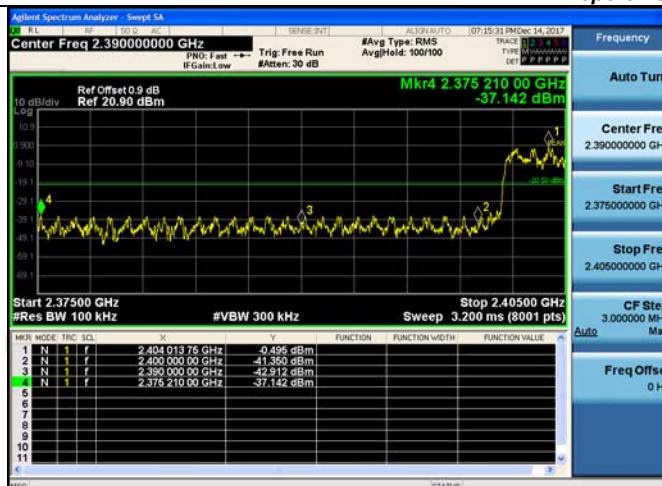
Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	2402	1.857	Off	-50.612	-18.14	PASS
			1.407	On	-35.255	-18.59	PASS
GFSK	HCH	2480	0.720	Off	-54.759	-19.28	PASS
			0.527	On	-40.447	-19.47	PASS
$\pi/4$ DQPSK	LCH	2402	-0.487	Off	-51.786	-20.49	PASS
			-0.495	On	-37.142	-20.5	PASS
$\pi/4$ DQPSK	HCH	2480	-1.736	Off	-55.720	-21.74	PASS
			-1.783	On	-42.363	-21.78	PASS
8DPSK	LCH	2402	-0.460	Off	-51.817	-20.46	PASS
			-0.451	On	-36.616	-20.45	PASS
8DPSK	HCH	2480	-1.564	Off	-56.330	-21.56	PASS
			-1.612	On	-42.717	-21.61	PASS

Test Graph

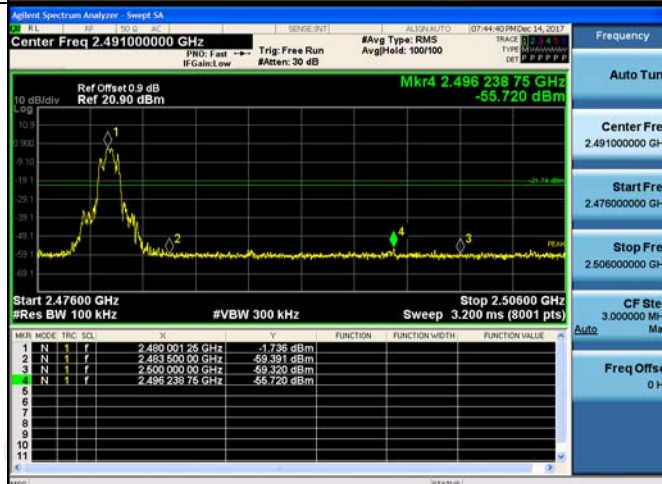


GFSK/HCH/No Hop	Agilent Spectrum Analyzer - Swept SA Center Freq 2.491000000 GHz Ref Offset 0.9 dB Ref 20.90 dBm Mkr4 2.496 070 00 GHz -54.769 dBm Start 2.47600 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.50600 GHz Sweep 3.200 ms (8001 pts) <table><thead><tr><th>MNR</th><th>MODE</th><th>TRIG</th><th>SOL</th><th>F</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></td><td>2.490 091 26 GHz</td><td>0.720 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>2.493 500 00 GHz</td><td>-59.065 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>2.500 000 00 GHz</td><td>-60.072 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>2.496 070 00 GHz</td><td>-54.769 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 Man Freq Offset 0 Hz	MNR	MODE	TRIG	SOL	F	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f		2.490 091 26 GHz	0.720 dBm				2	N	1	f		2.493 500 00 GHz	-59.065 dBm				3	N	1	f		2.500 000 00 GHz	-60.072 dBm				4	N	1	f		2.496 070 00 GHz	-54.769 dBm			
MNR	MODE	TRIG	SOL	F	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																										
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$\pi/4$ DQPSK/LCH/No Hop	Agilent Spectrum Analyzer - Swept SA Center Freq 2.390000000 GHz Ref Offset 0.9 dB Ref 20.90 dBm Mkr4 2.386 216 25 GHz -51.786 dBm Start 2.37500 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.40500 GHz Sweep 3.200 ms (8001 pts) <table><thead><tr><th>MNR</th><th>MODE</th><th>TRIG</th><th>SOL</th><th>F</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></td><td>2.402 016 00 GHz</td><td>-49.897 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>2.400 000 00 GHz</td><td>-52.847 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>2.390 000 00 GHz</td><td>-50.670 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>2.386 216 25 GHz</td><td>-51.786 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 Man Freq Offset 0 Hz	MNR	MODE	TRIG	SOL	F	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f		2.402 016 00 GHz	-49.897 dBm				2	N	1	f		2.400 000 00 GHz	-52.847 dBm				3	N	1	f		2.390 000 00 GHz	-50.670 dBm				4	N	1	f		2.386 216 25 GHz	-51.786 dBm			
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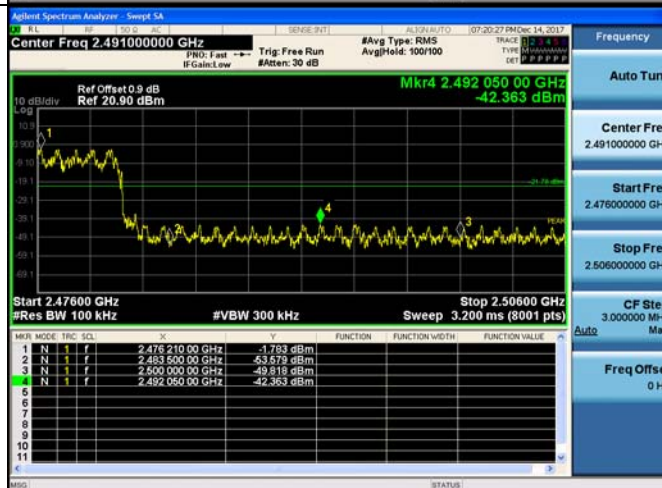
$\pi/4$ DQPSK/LCH/Hop



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



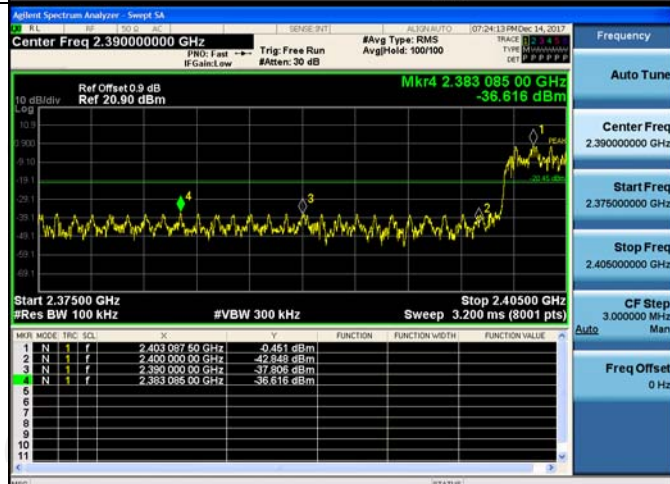
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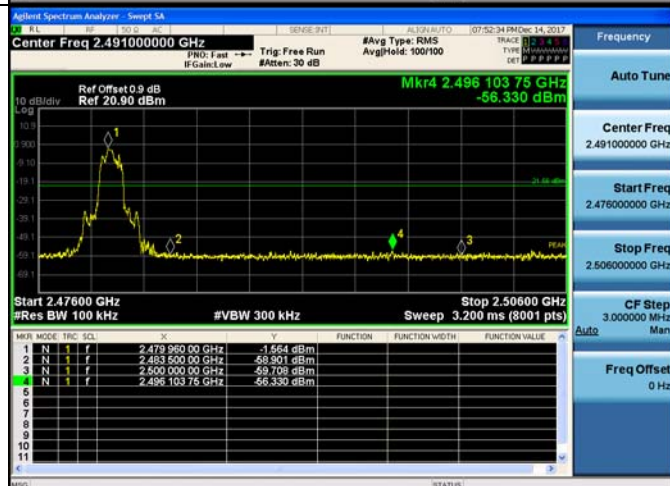
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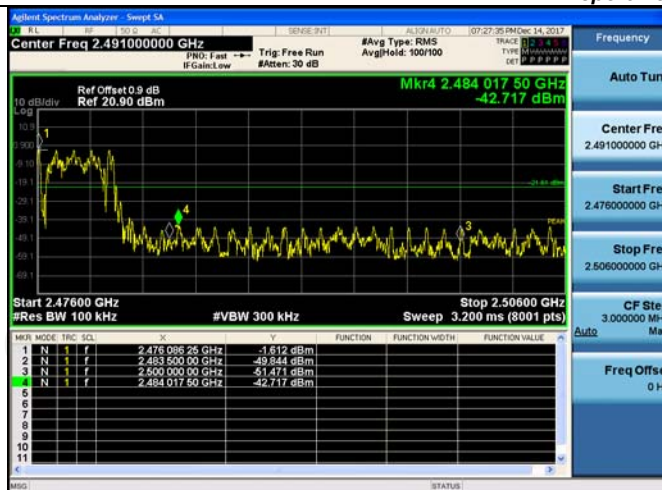
8DPSK/LCH/Hop



8DPSK/HCH/No Hop



8DPSK/HCH/Hop

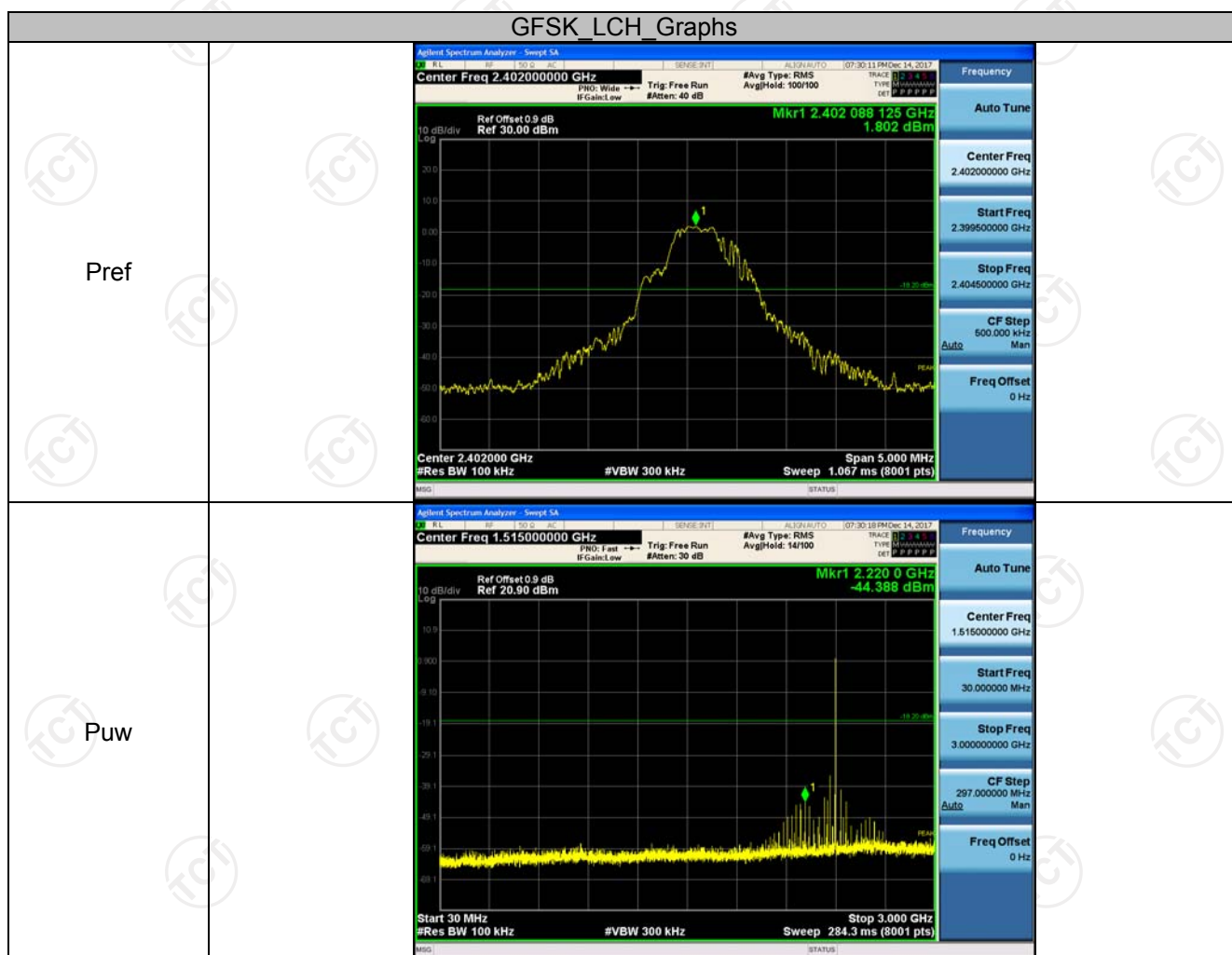


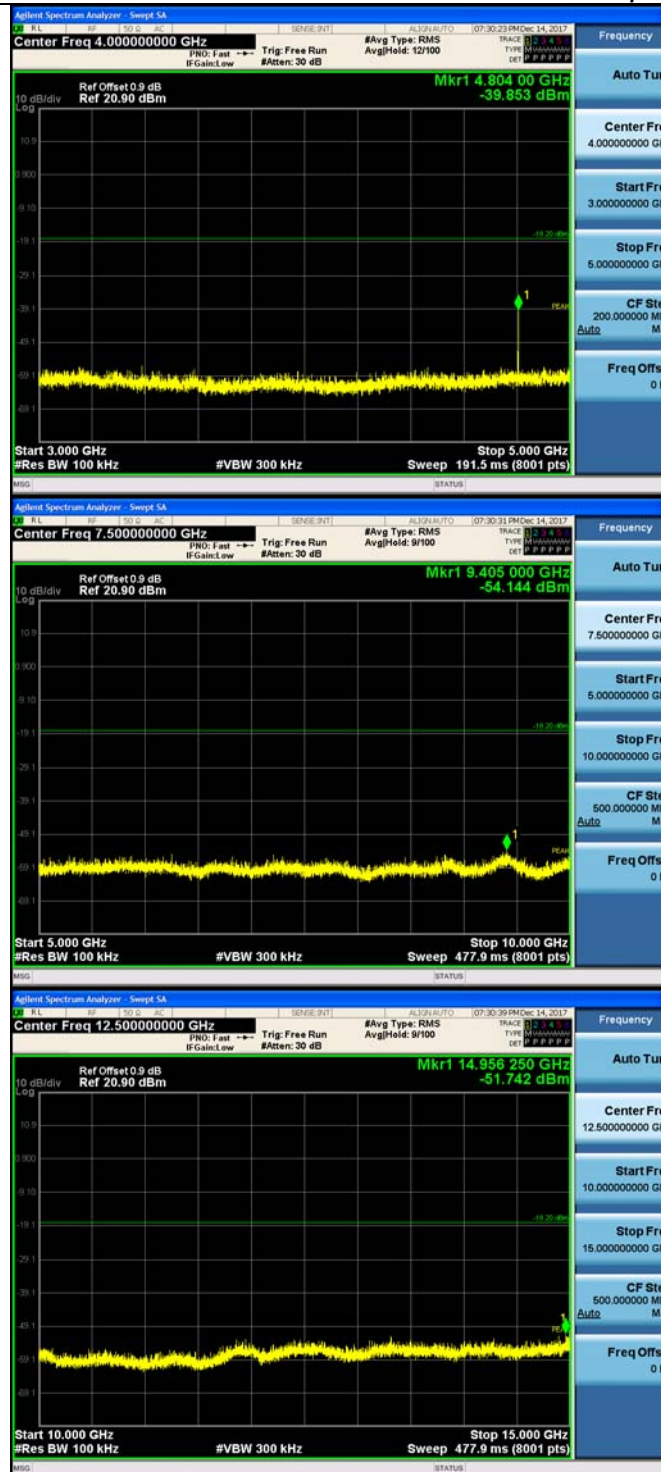
RF Conducted Spurious Emissions

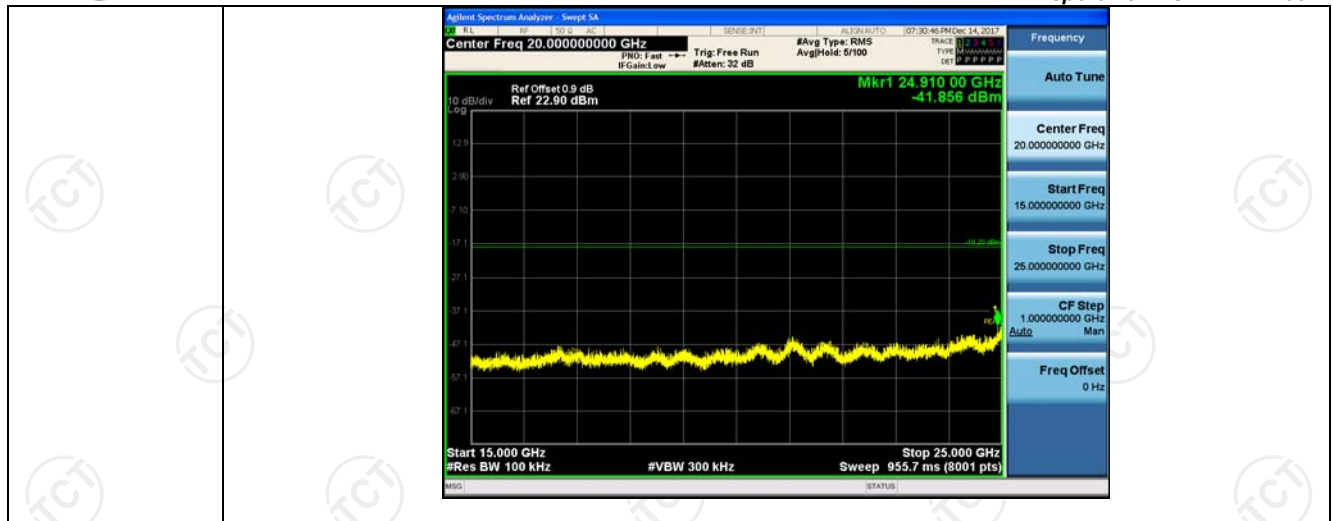
Result Table

Mode	Channel	Pref [dBm]	Puw [dBm]	Verdict
GFSK	LCH	1.802	<Limit	PASS
GFSK	MCH	1.66	<Limit	PASS
GFSK	HCH	0.653	<Limit	PASS
$\pi/4$ DQPSK	LCH	-0.57	<Limit	PASS
$\pi/4$ DQPSK	MCH	-0.698	<Limit	PASS
$\pi/4$ DQPSK	HCH	-1.708	<Limit	PASS
8DPSK	LCH	-0.518	<Limit	PASS
8DPSK	MCH	-0.675	<Limit	PASS
8DPSK	HCH	-1.637	<Limit	PASS

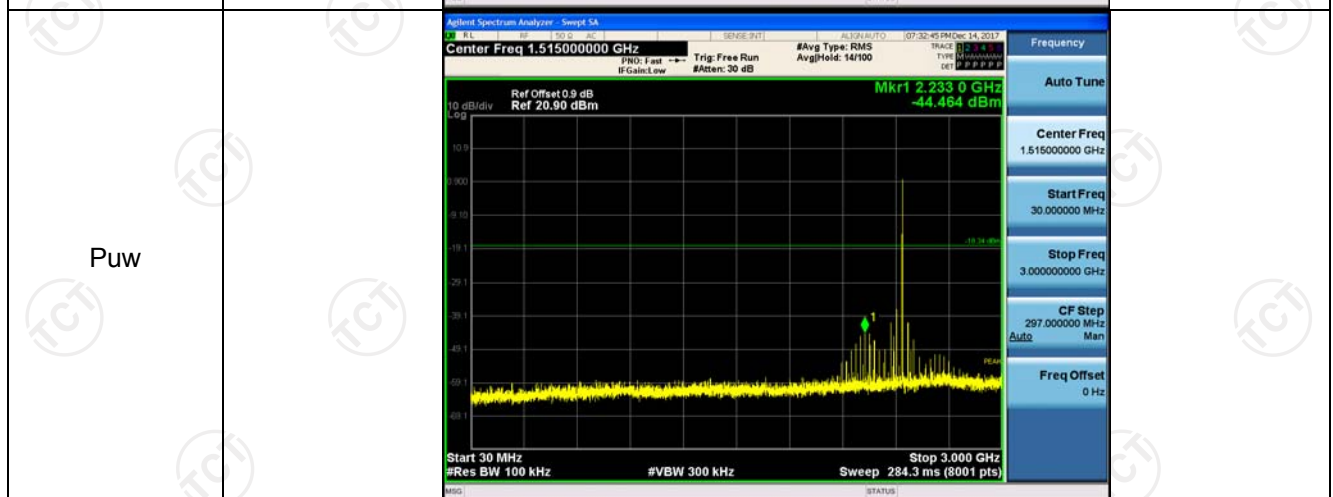
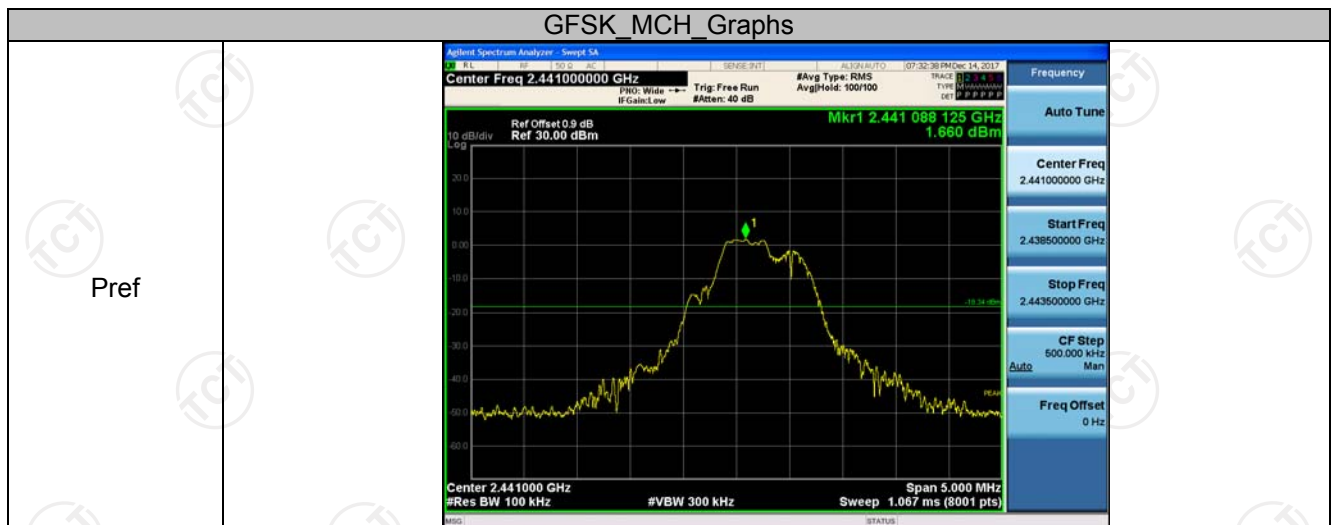
Test Graph

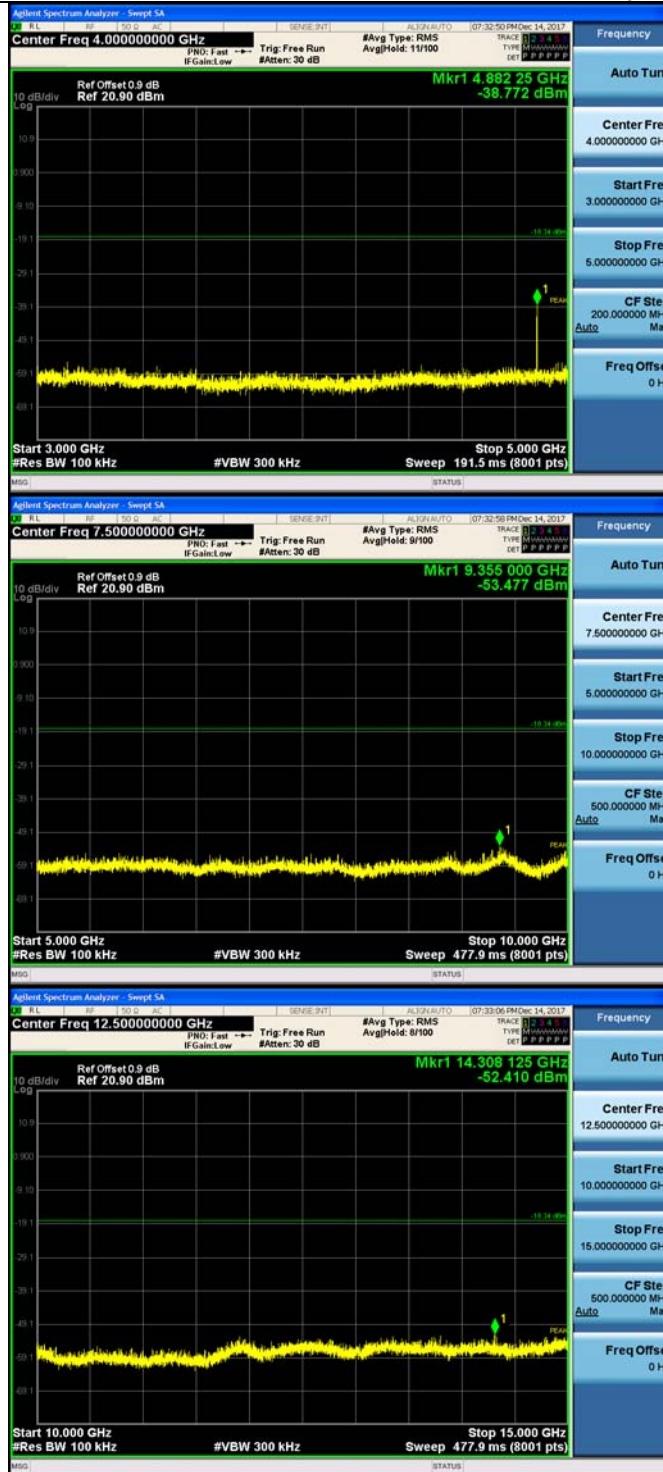


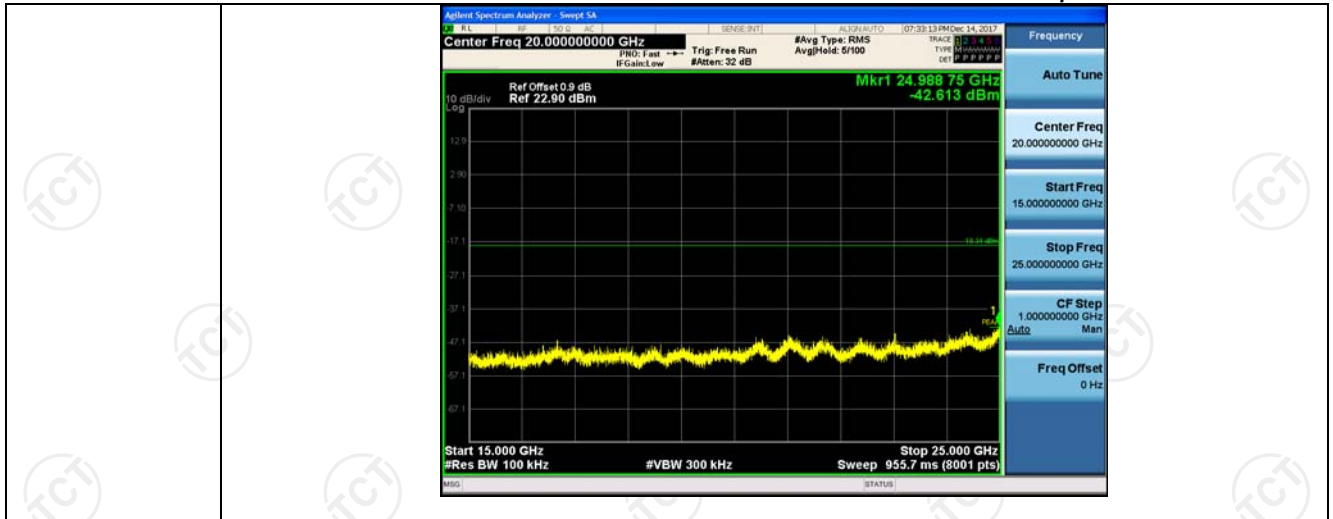




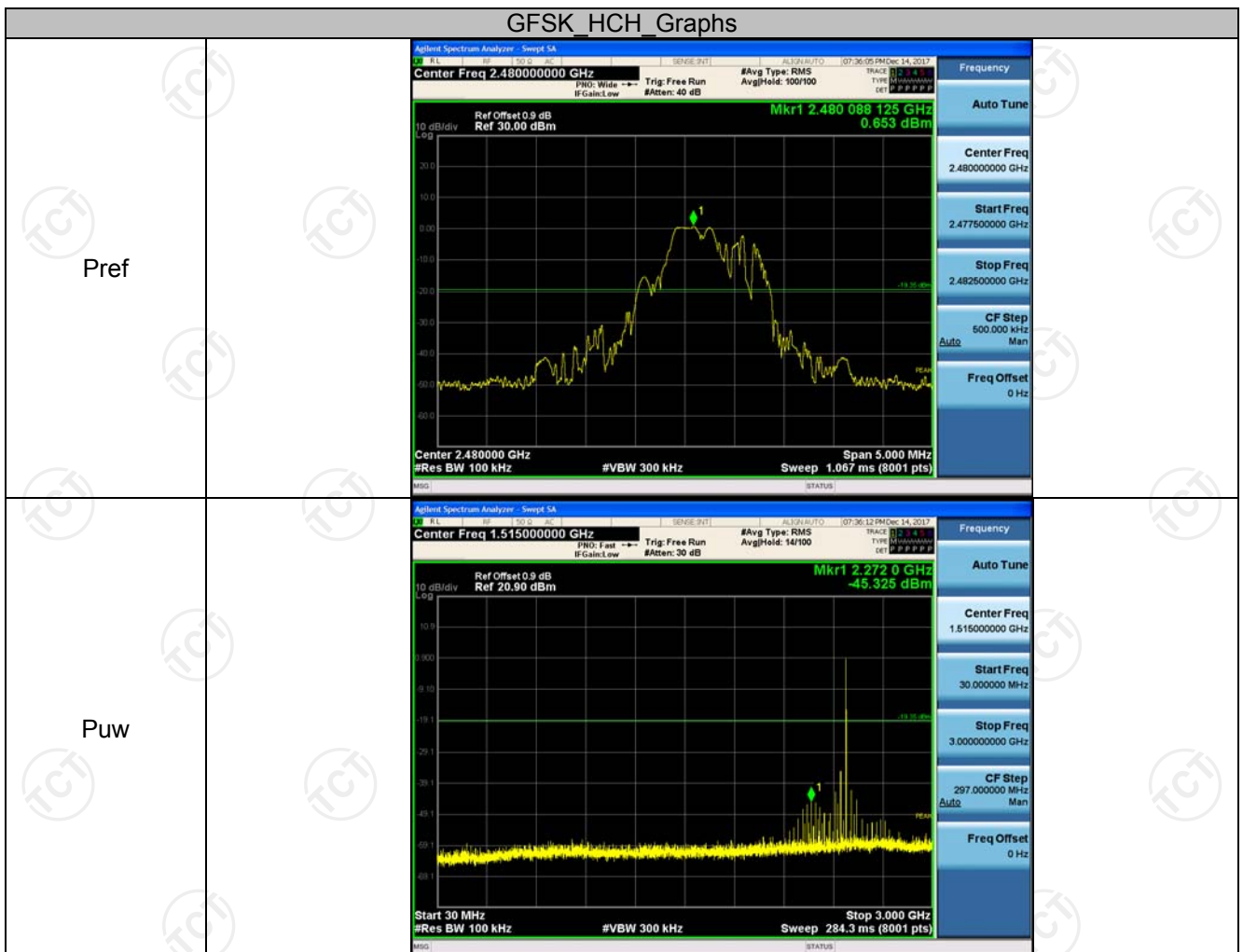
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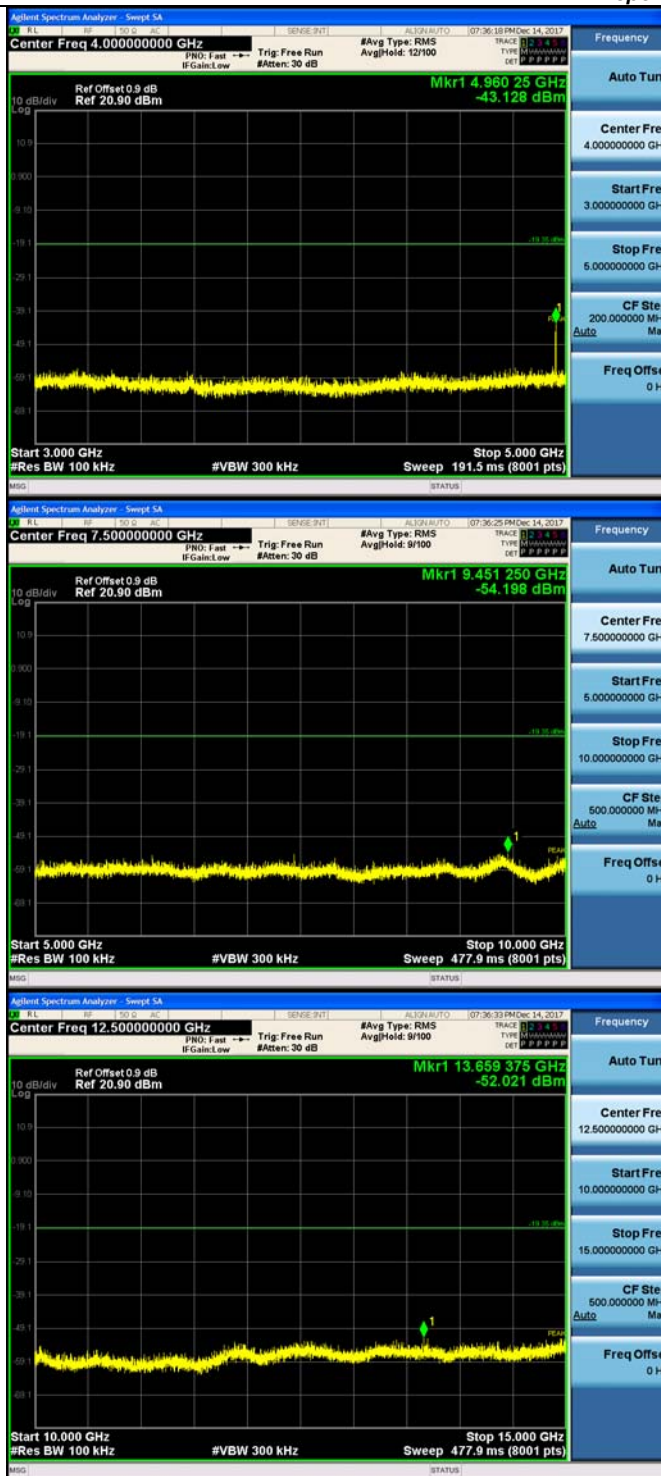


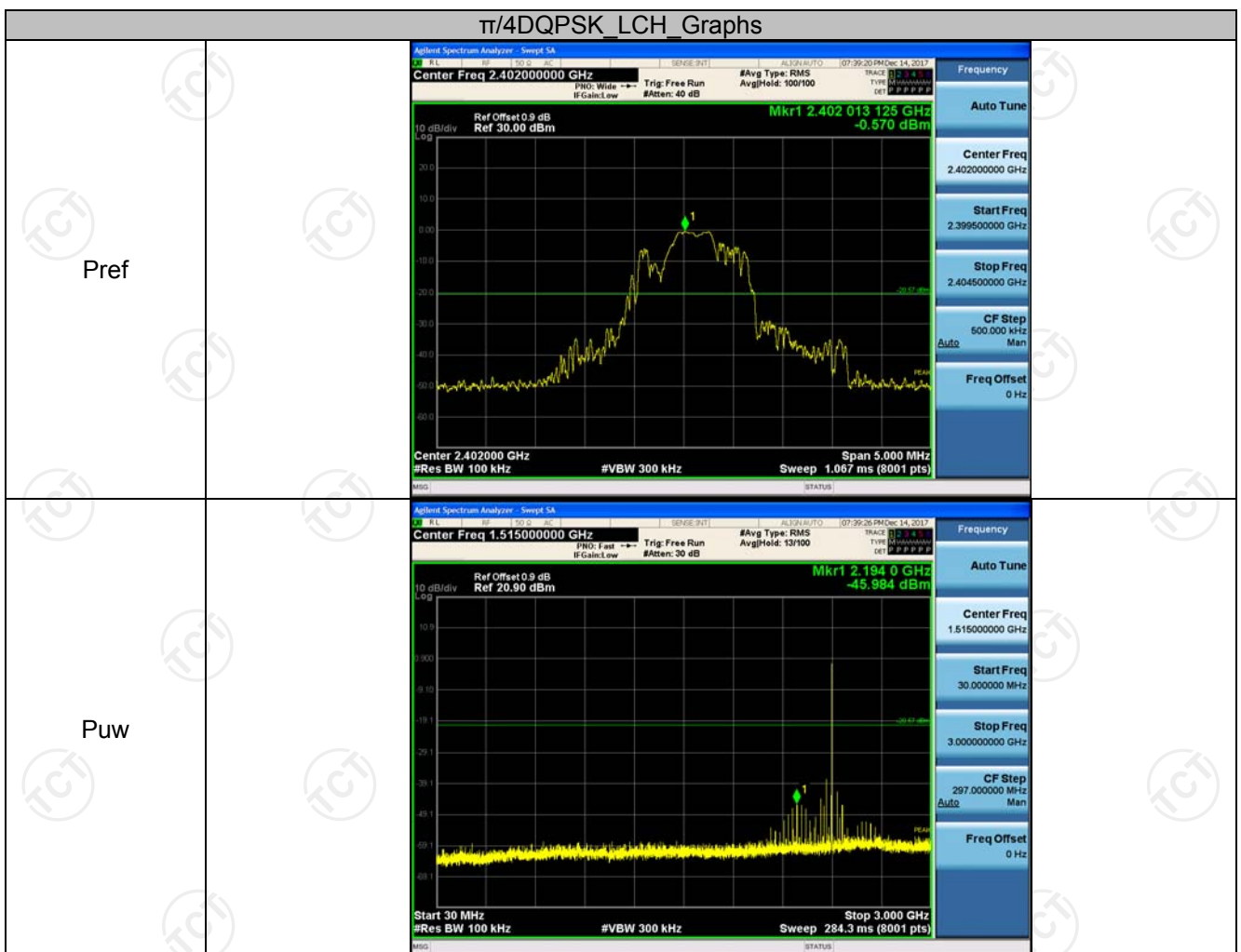
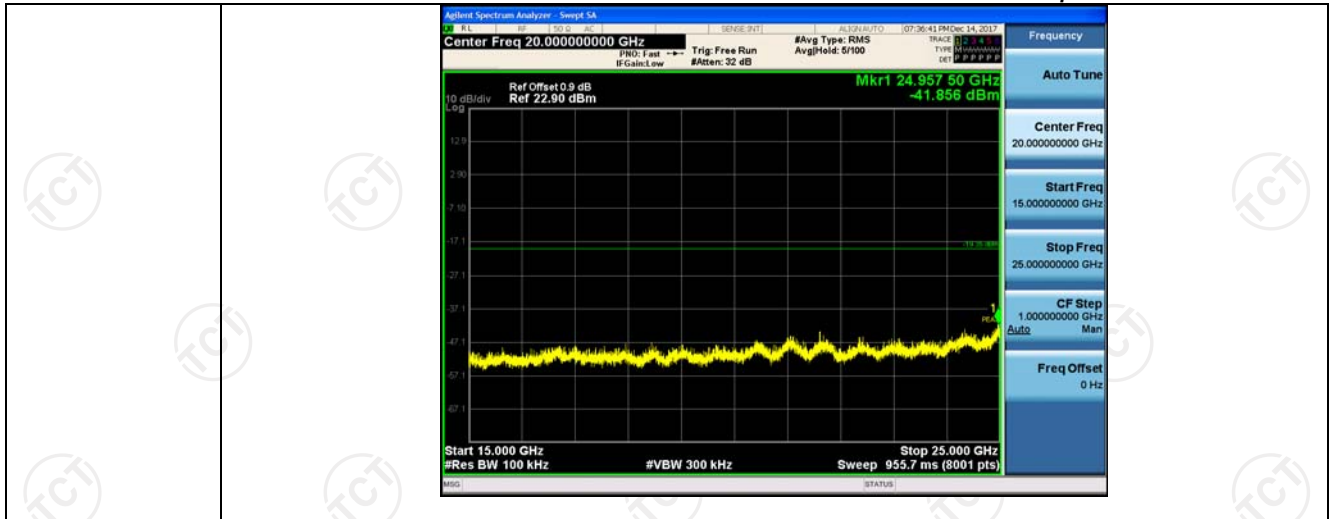


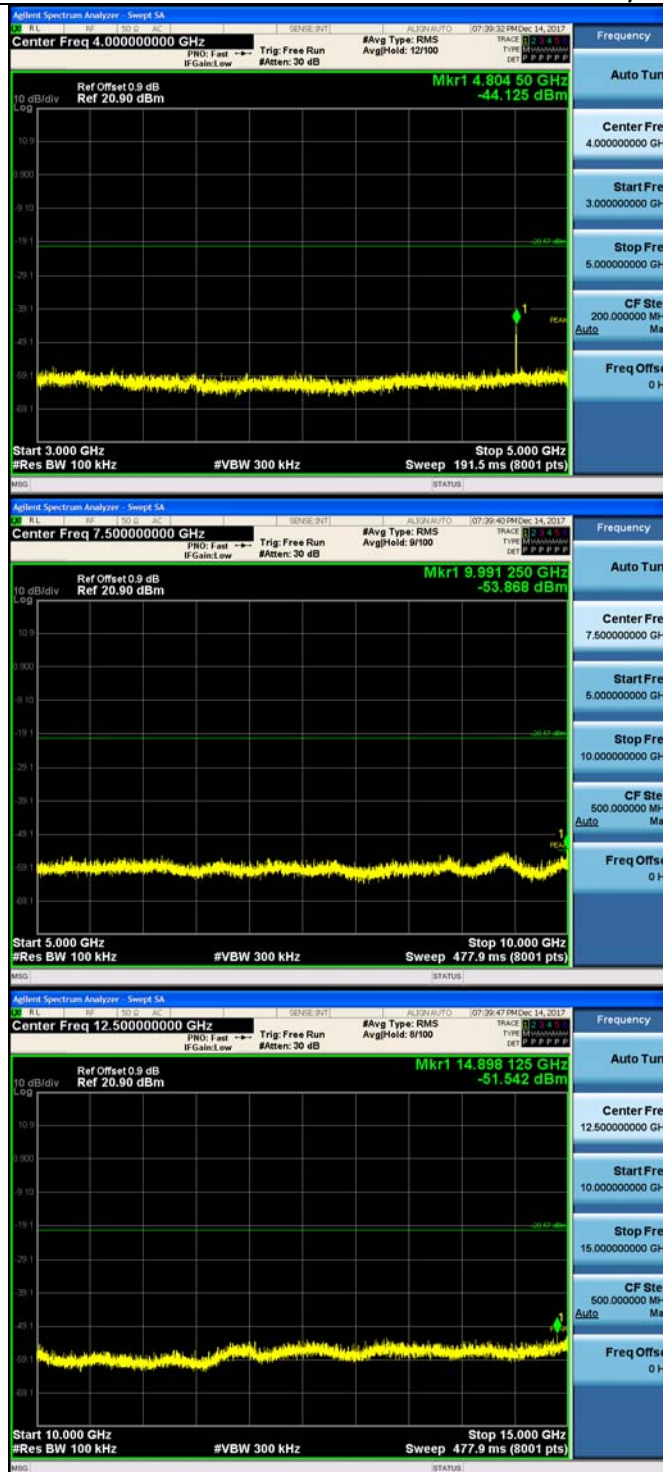


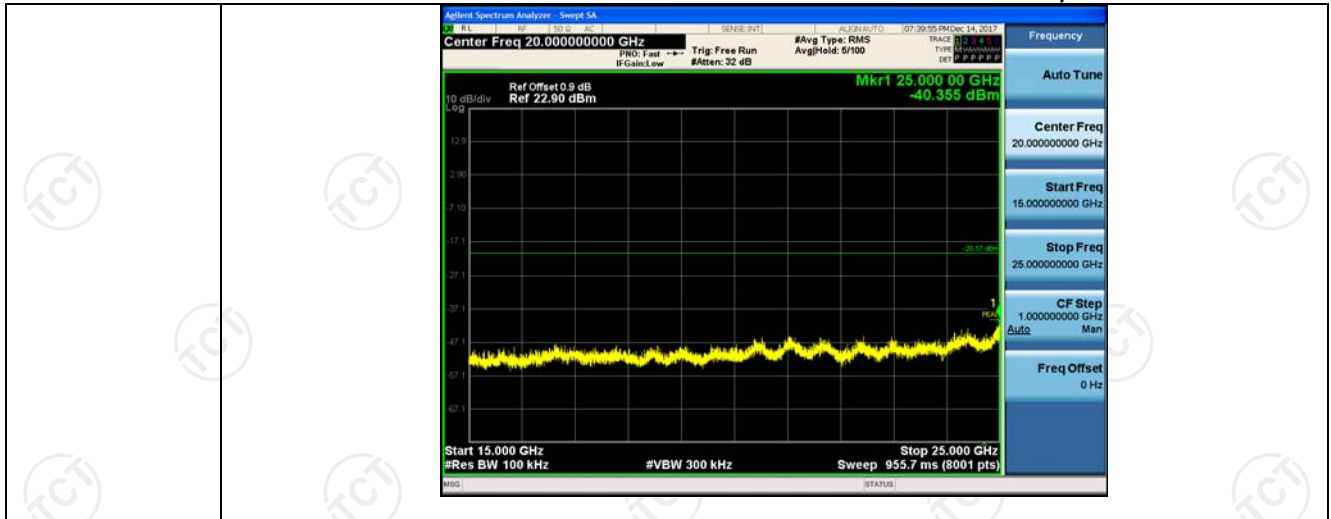
GFSK HCH_Graphs



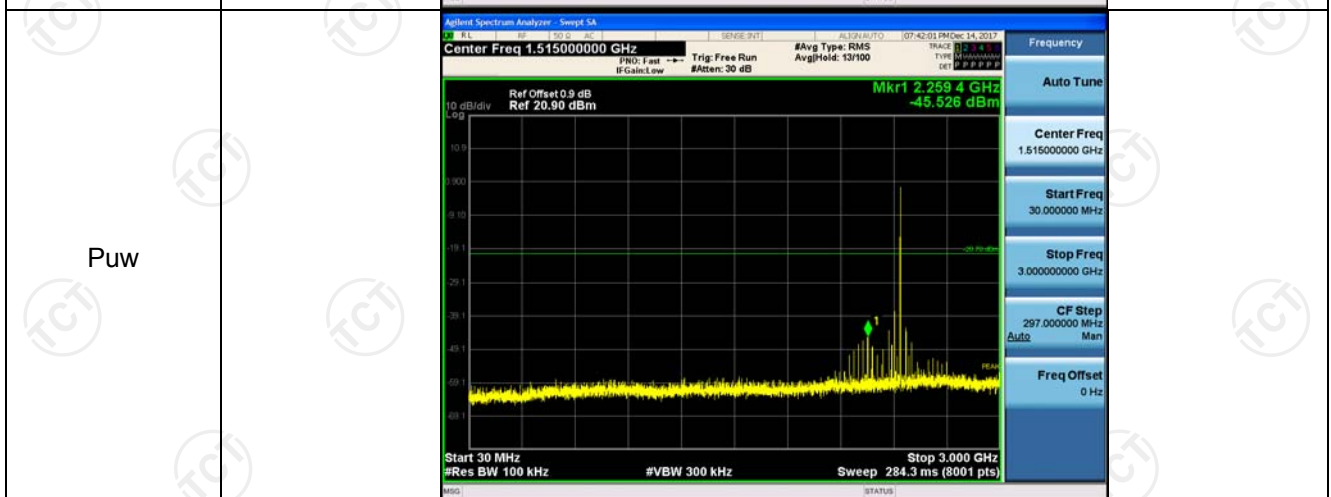
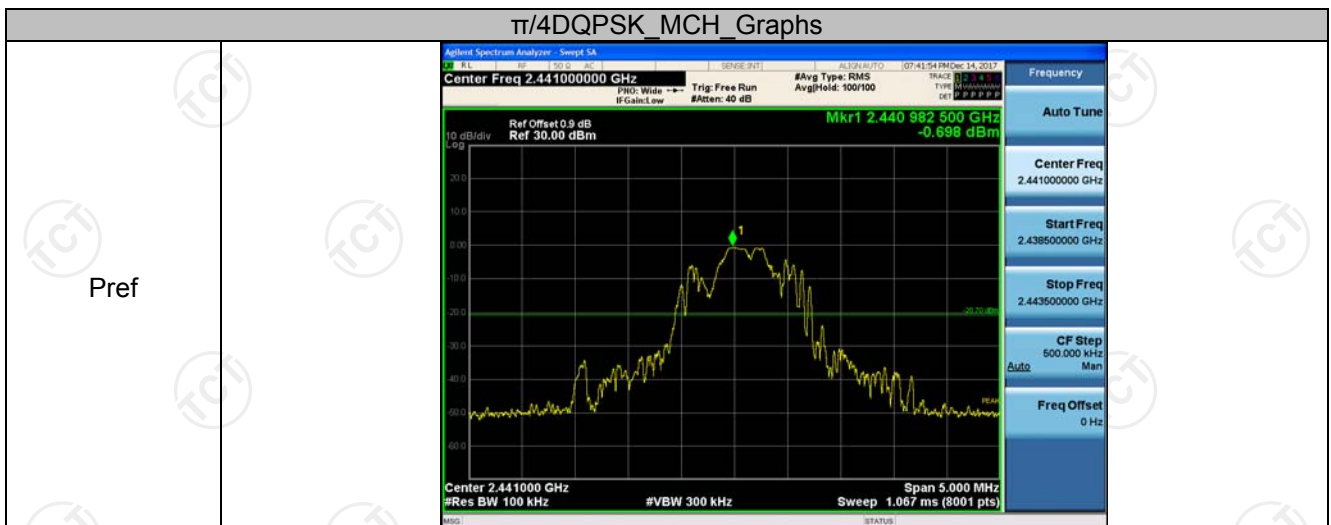


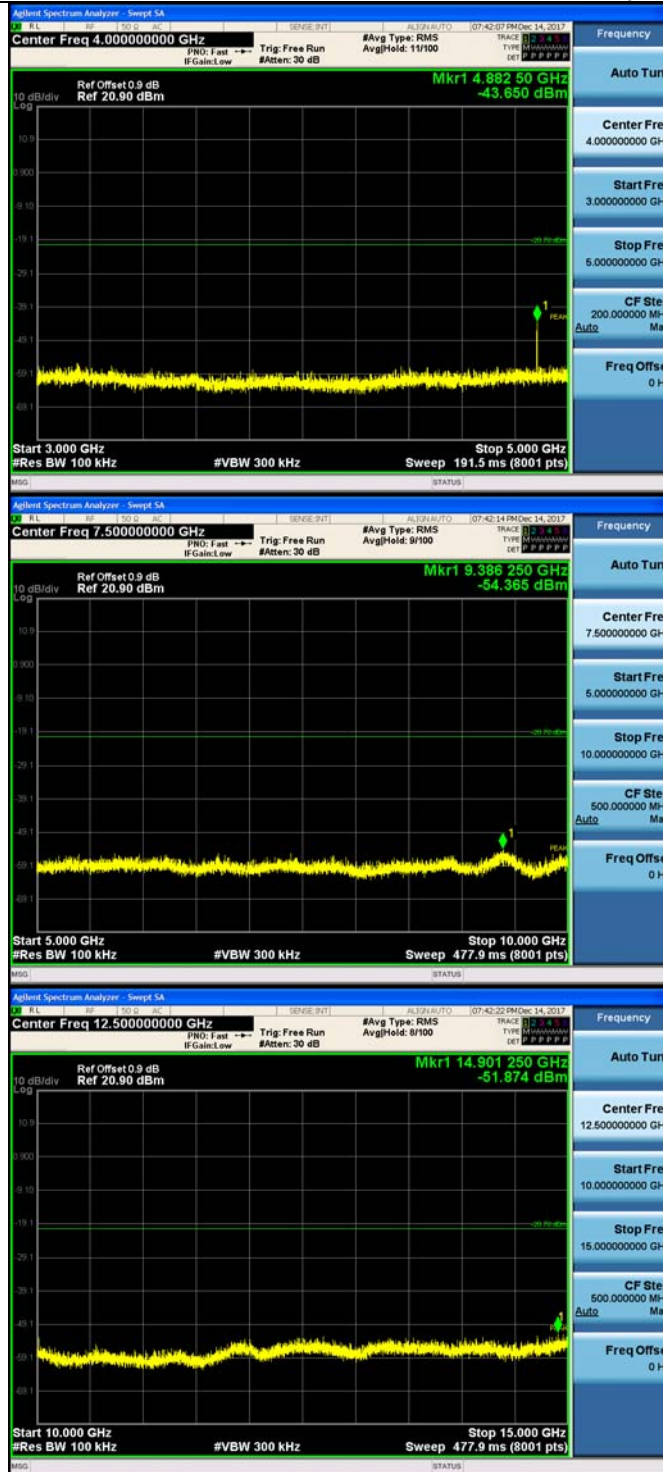


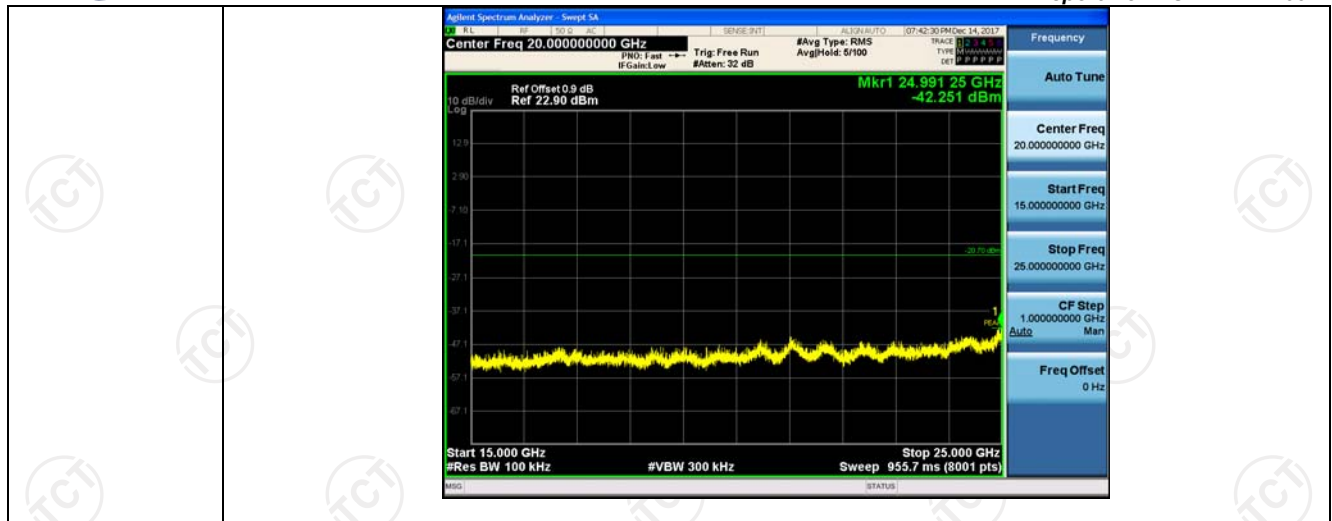




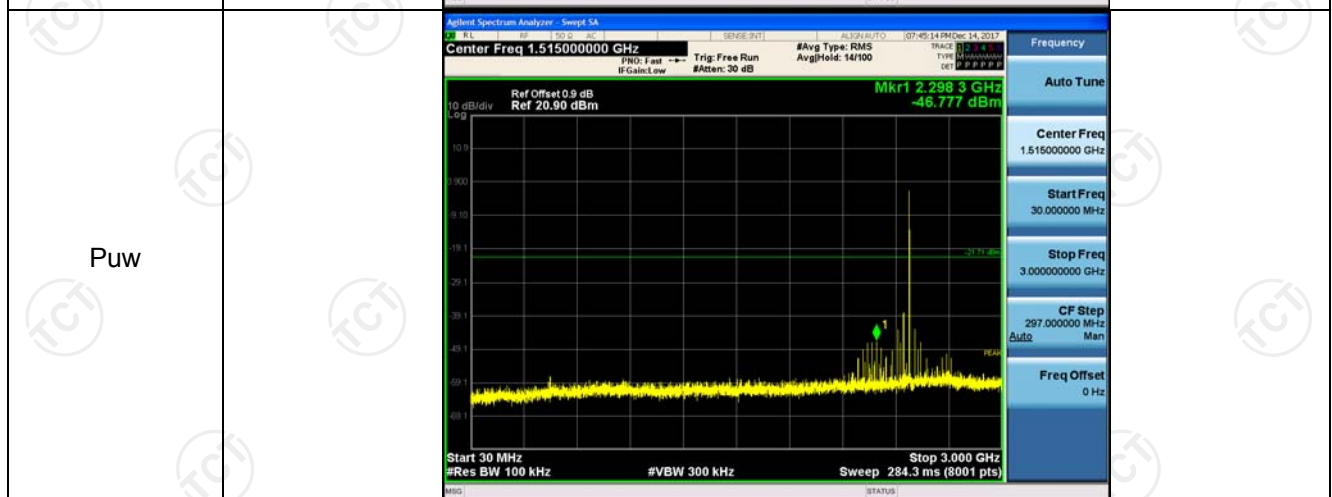
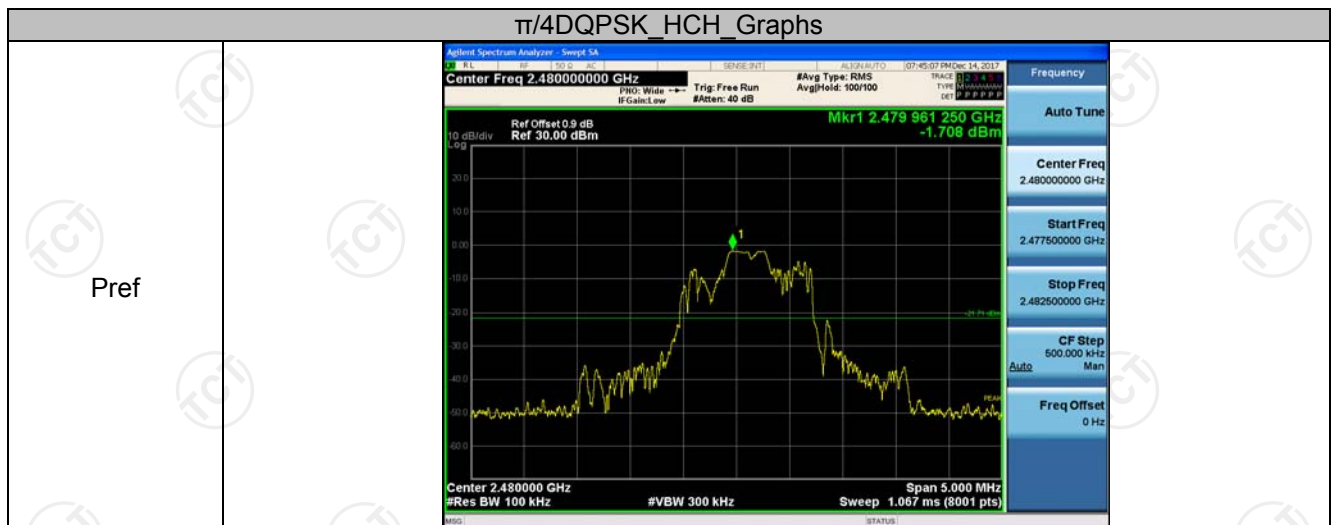
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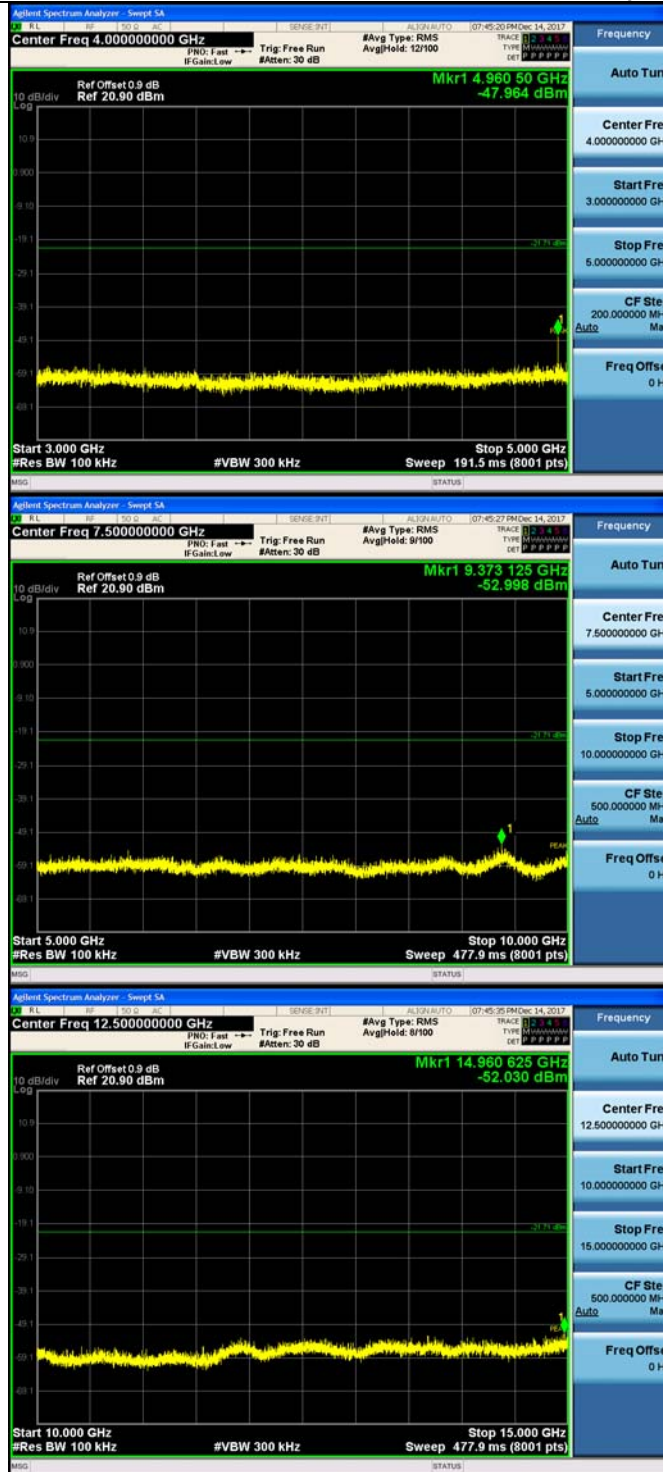


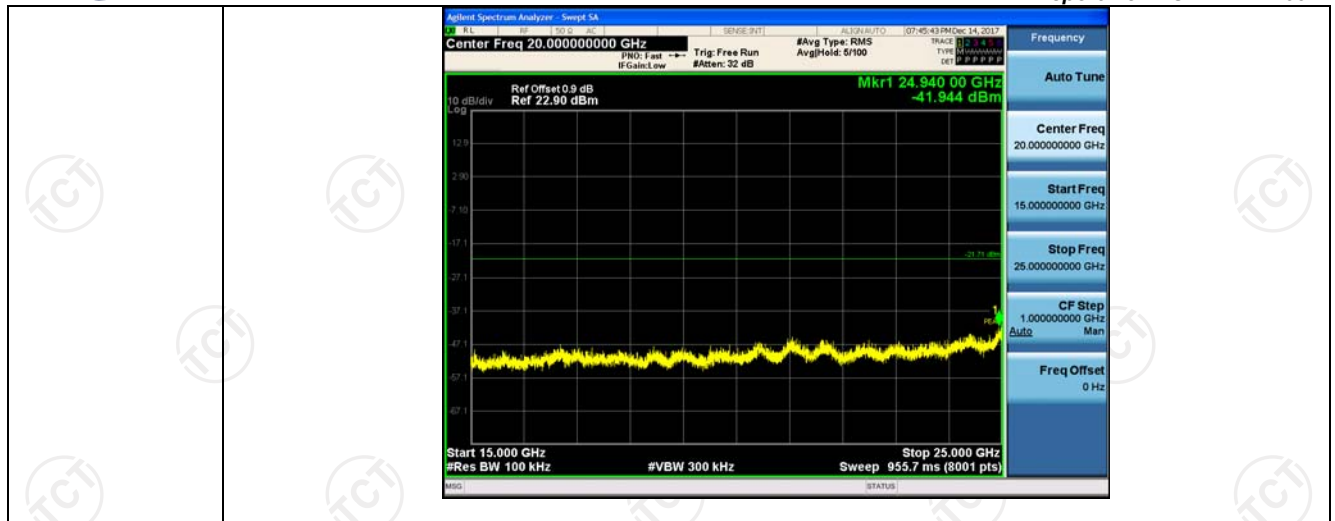




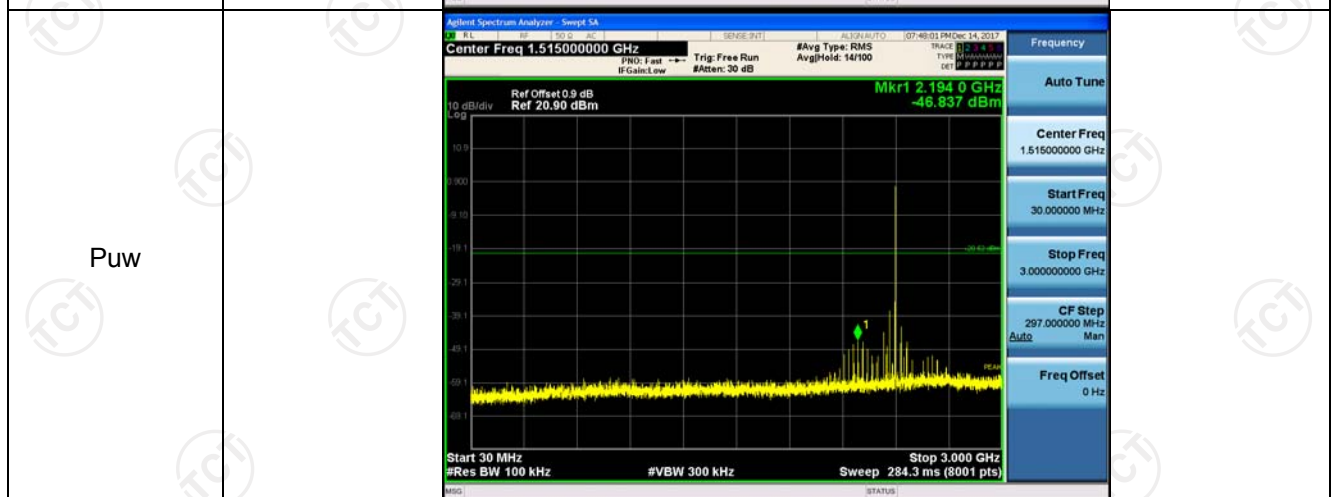
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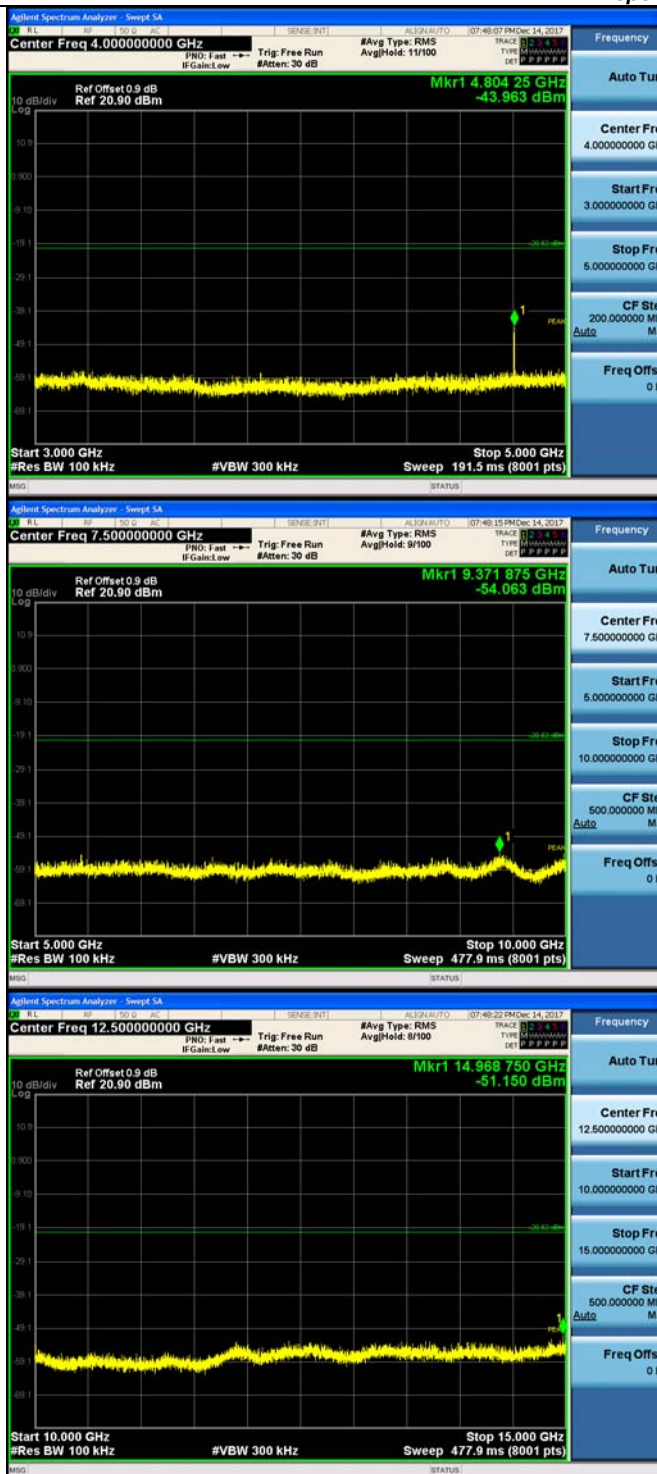


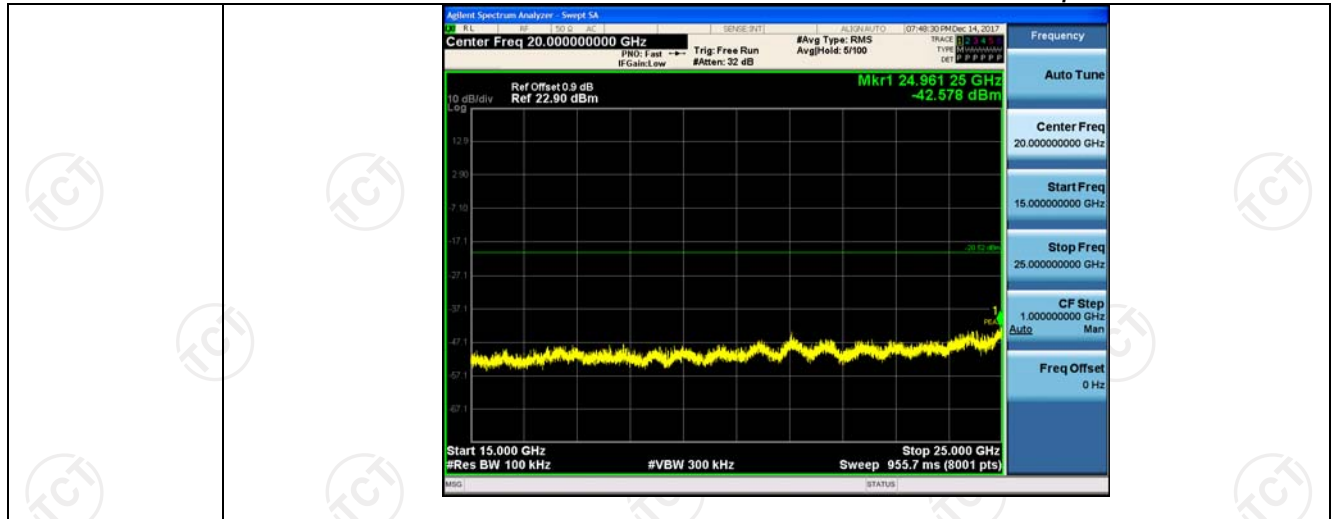




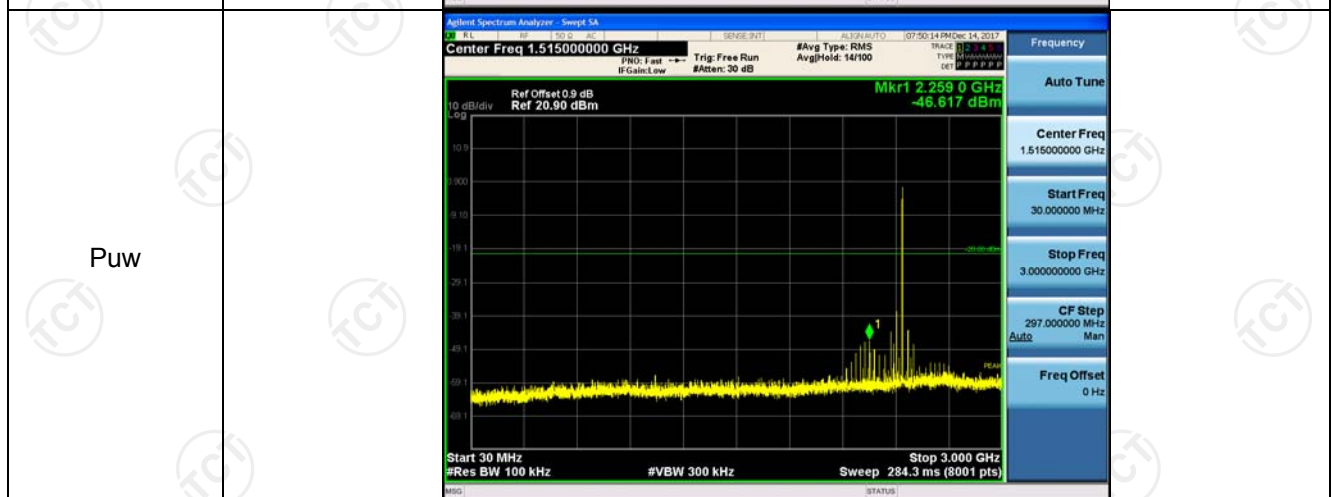
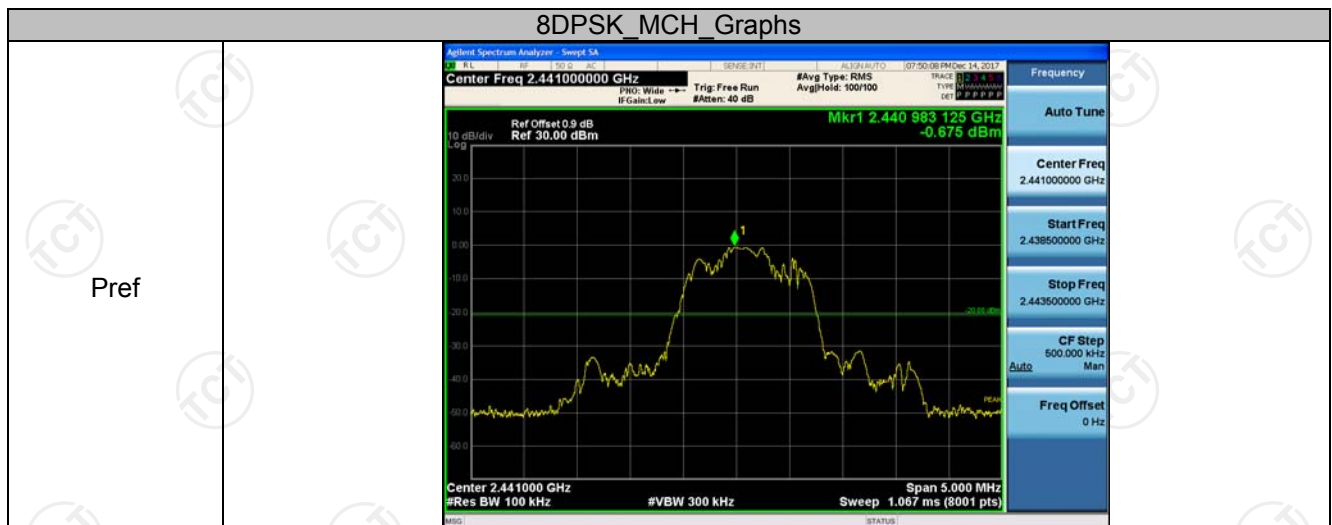
8DPSK_LCH_Graphs

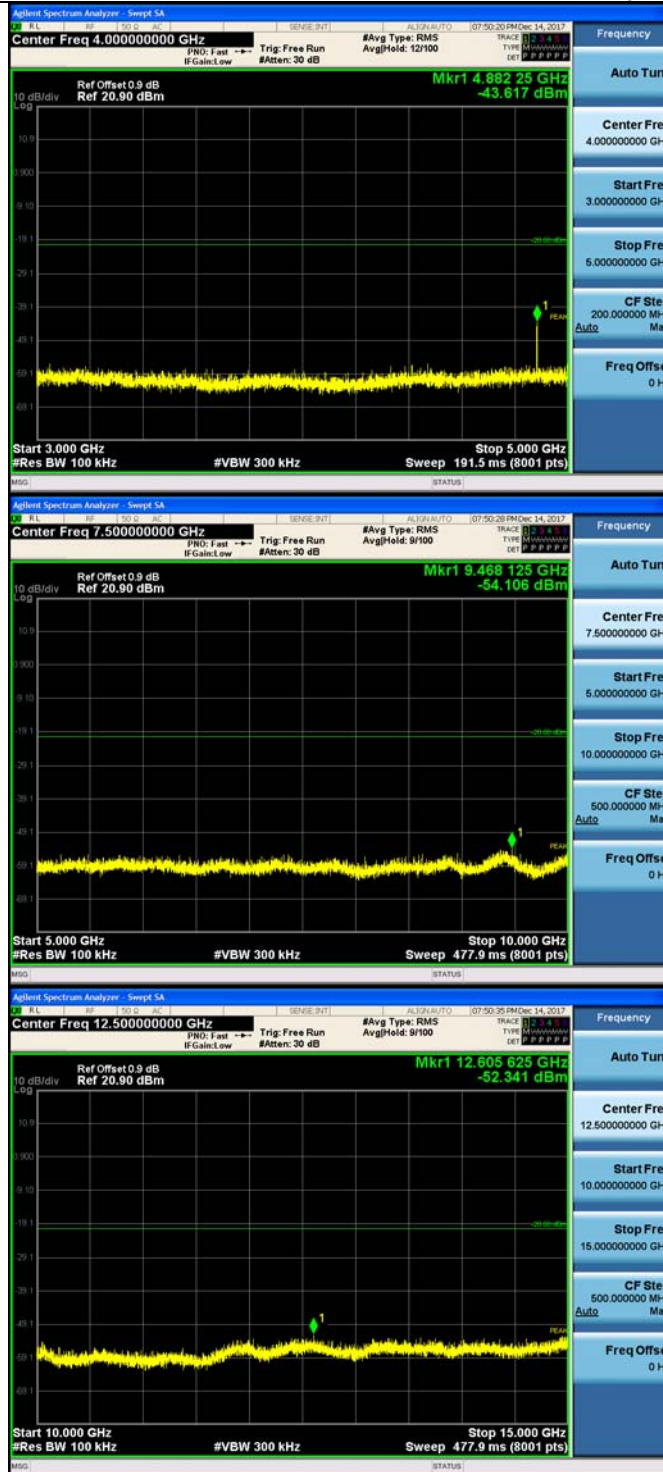


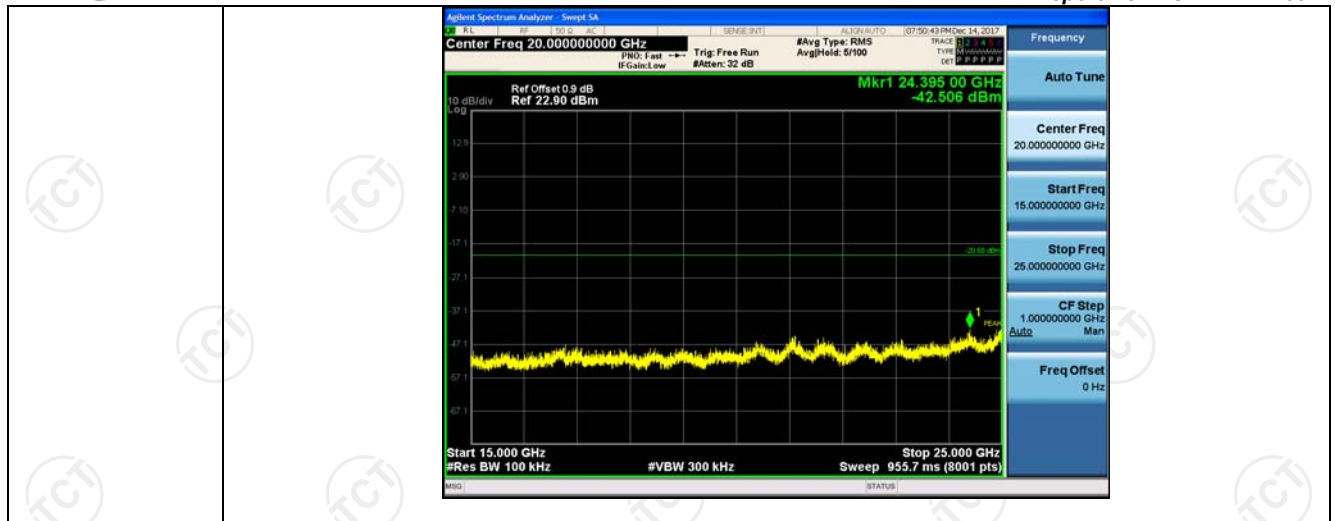




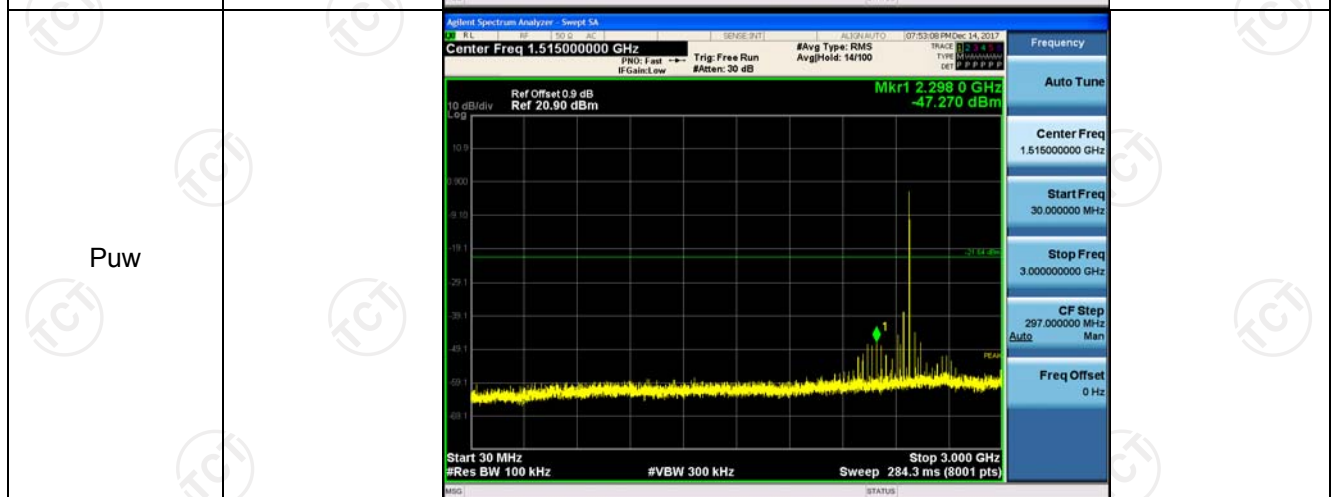
8DPSK_MCH_Graphs



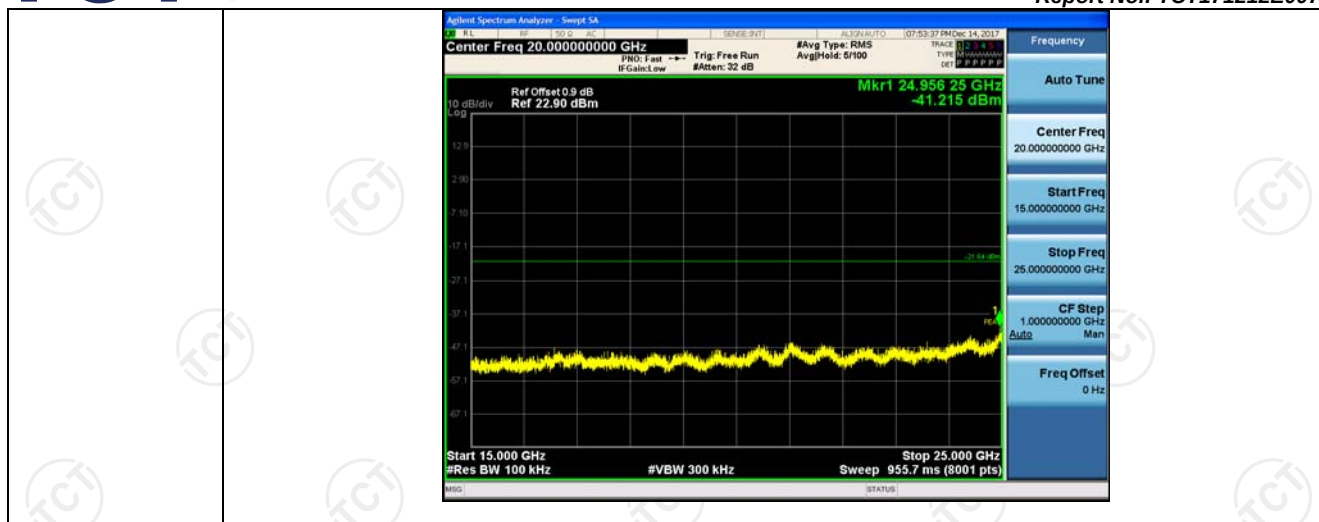




8DPSK_HCH_Graphs





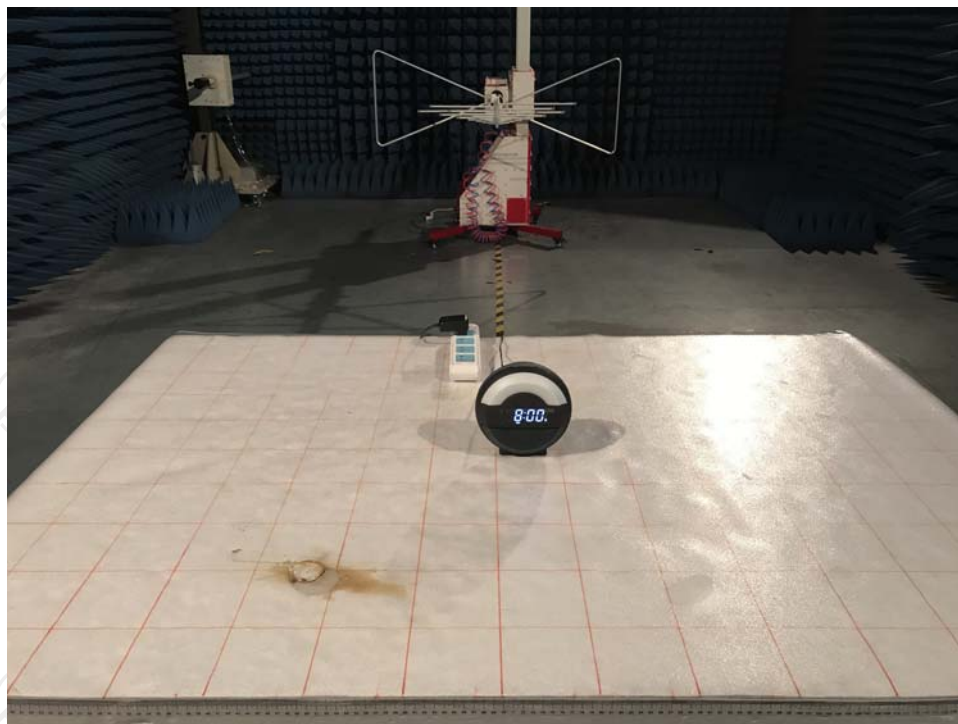


Appendix B: Photographs of Test Setup

Product: Dual Alarm Clock Radio

Model: SBC007

Radiated Emission



CE



Appendix C: Photographs of EUT

Product: Dual Alarm Clock Radio

Model: SBC007

External Photos





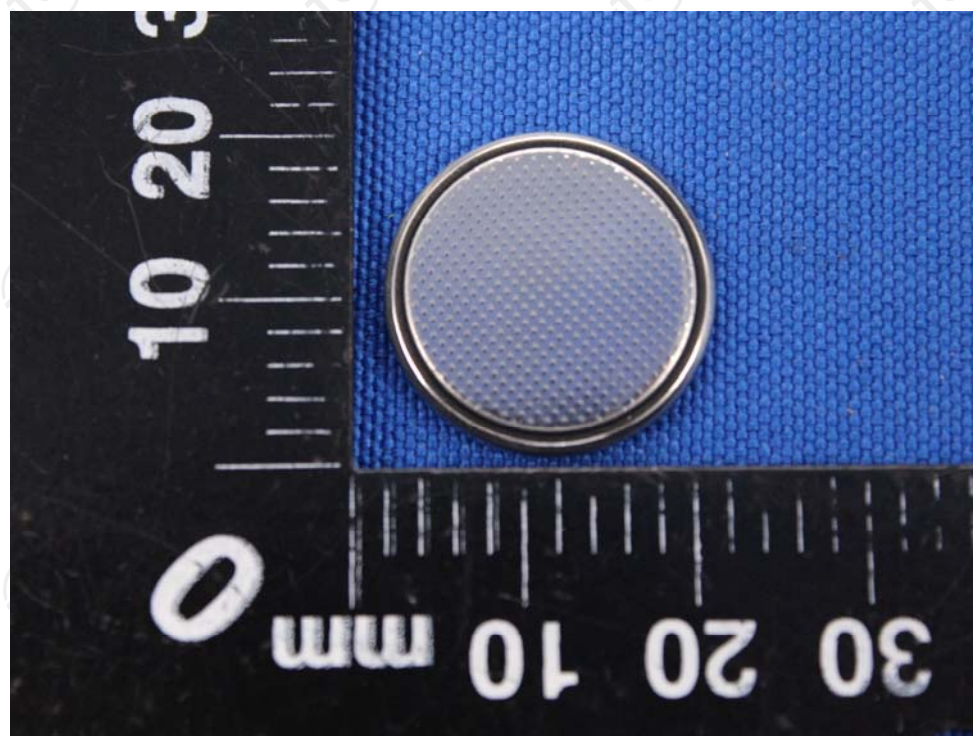
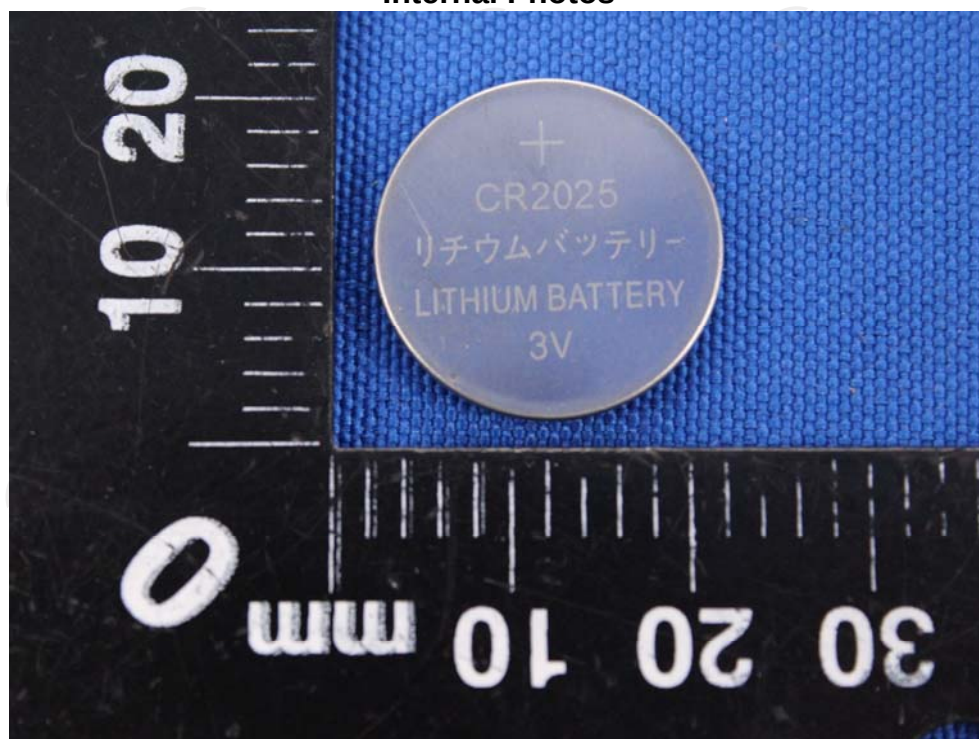


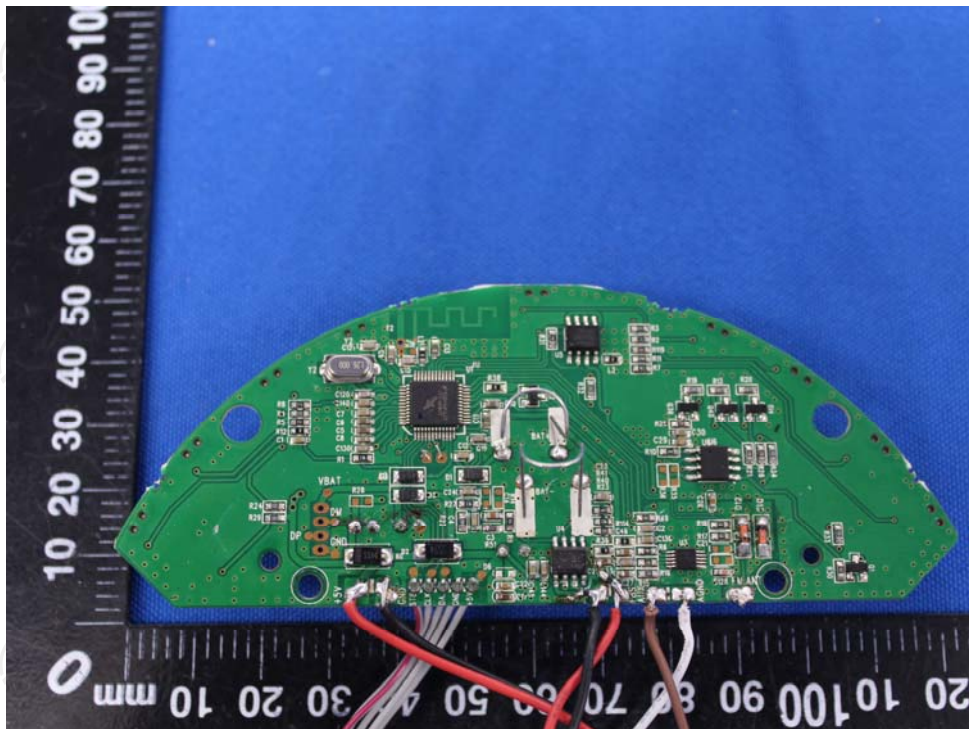


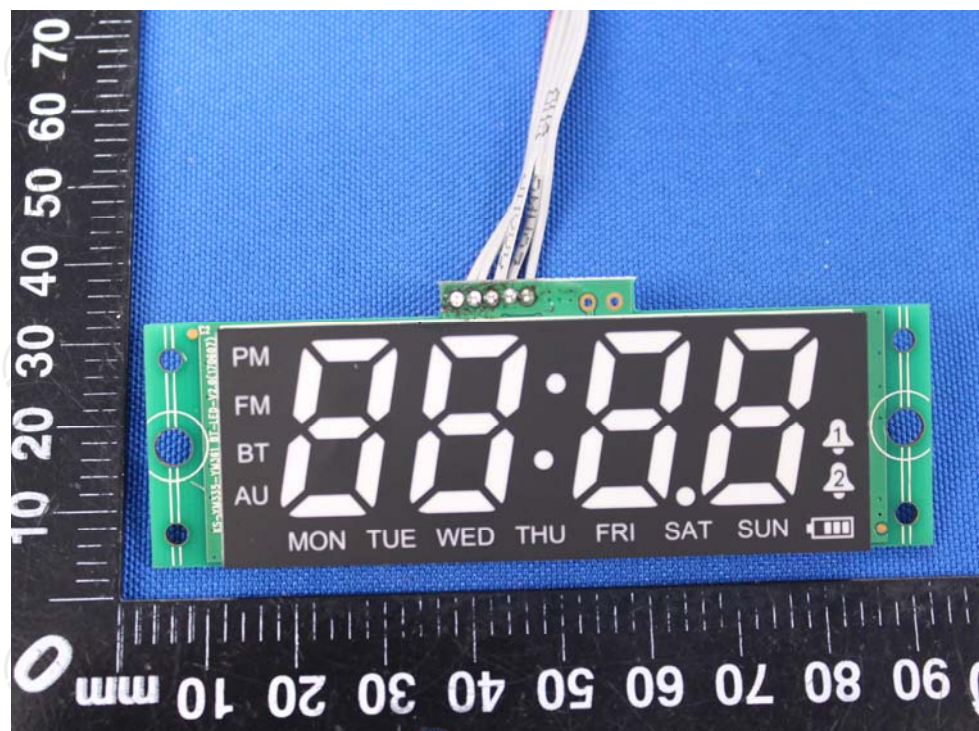
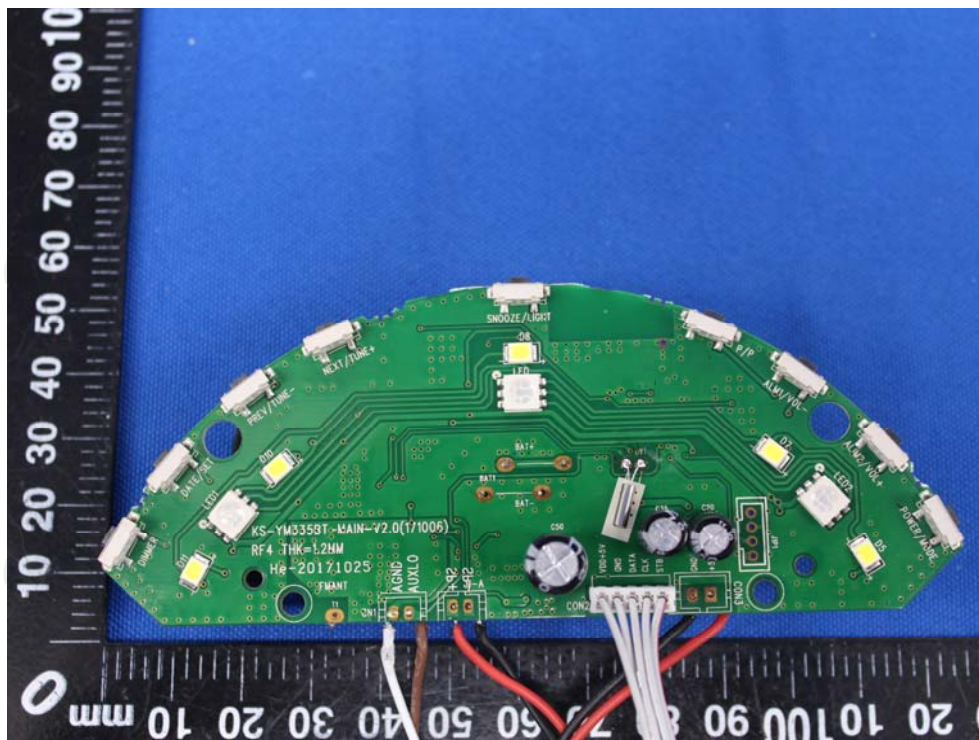


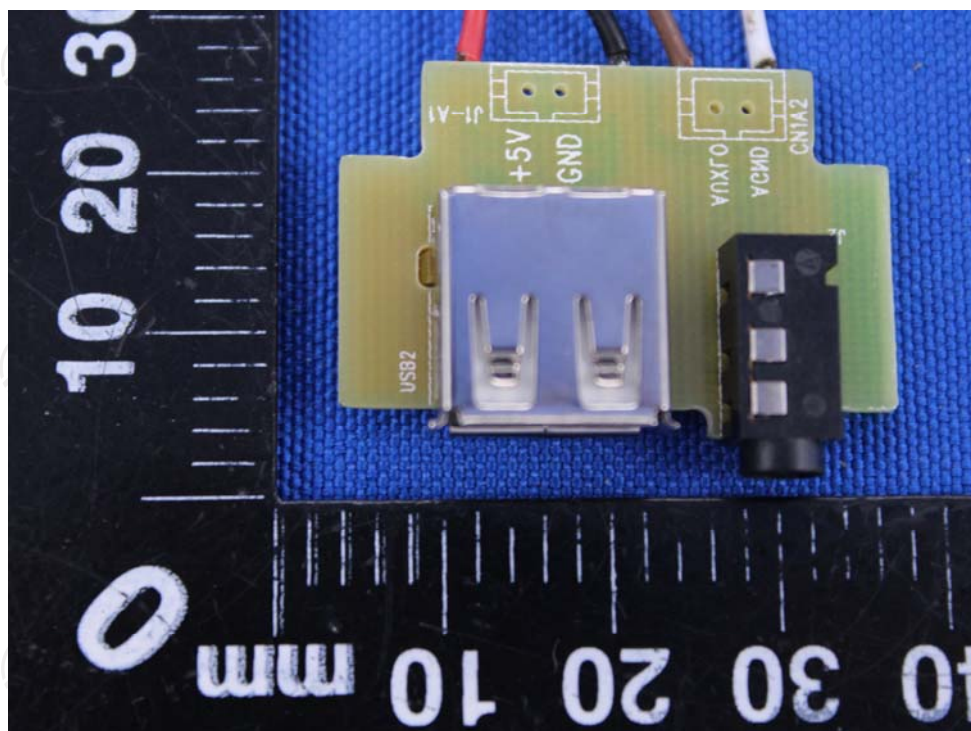
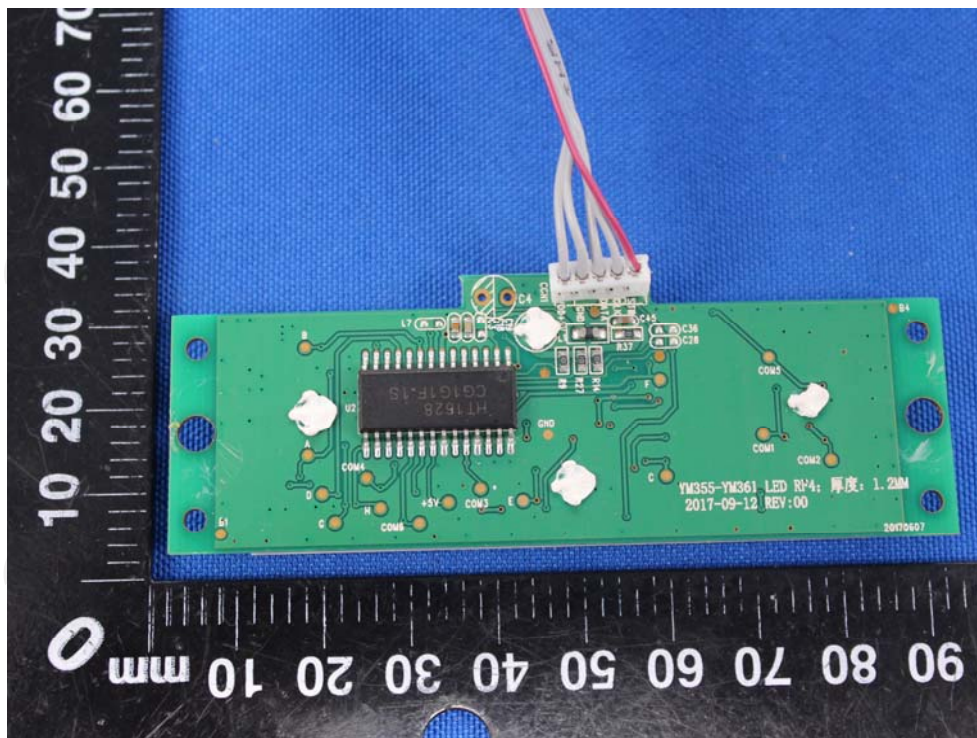


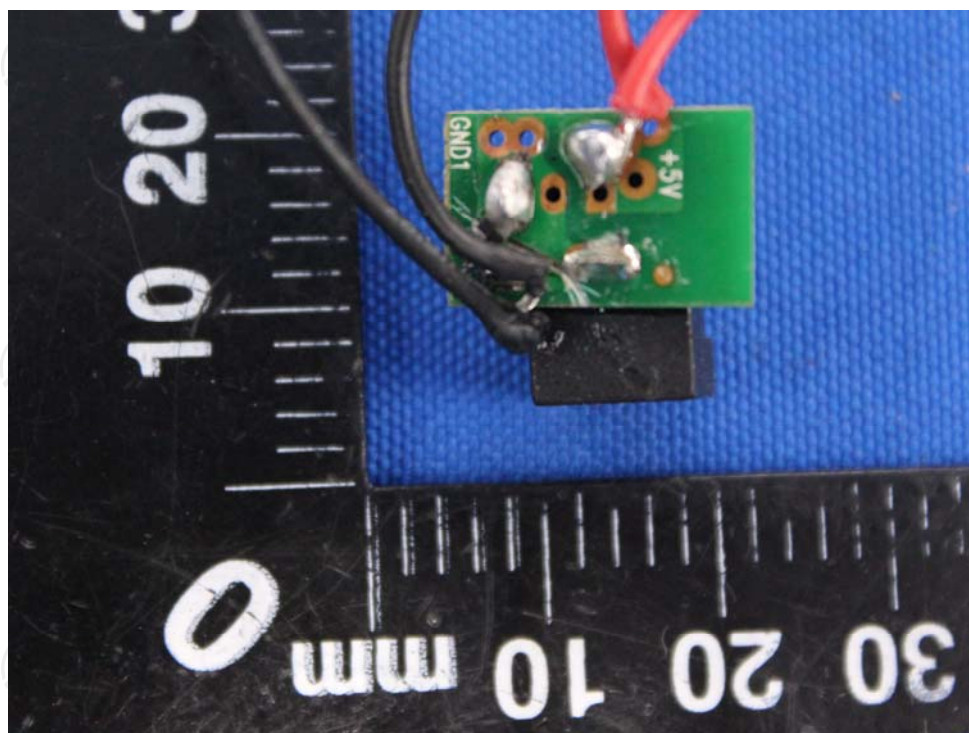
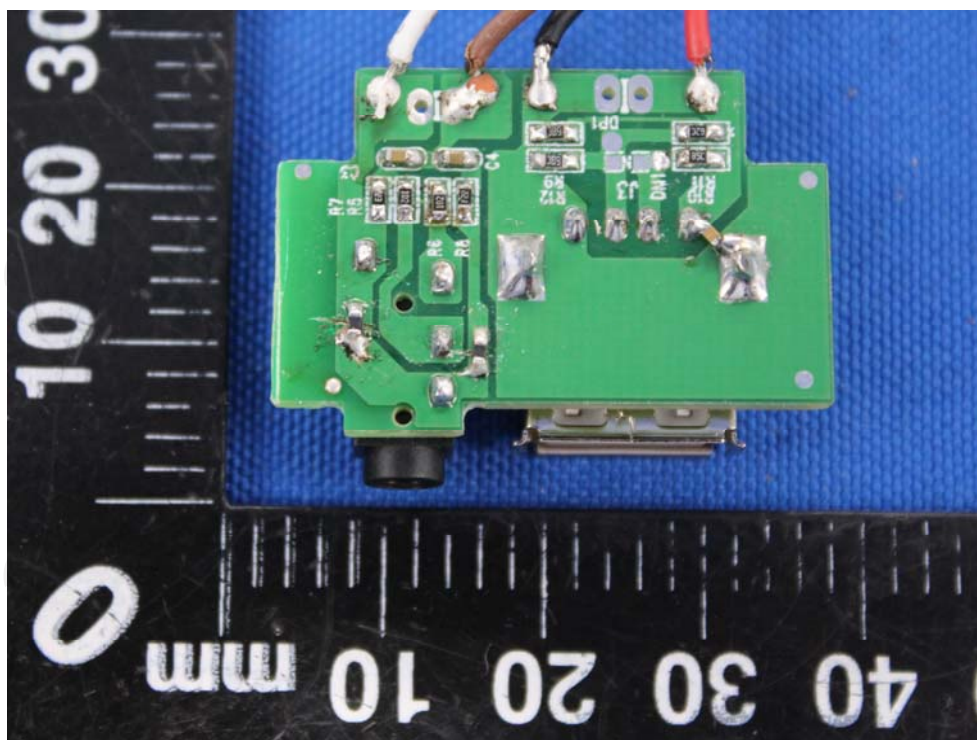
Product: Dual Alarm Clock Radio
Model: SBC007
Internal Photos

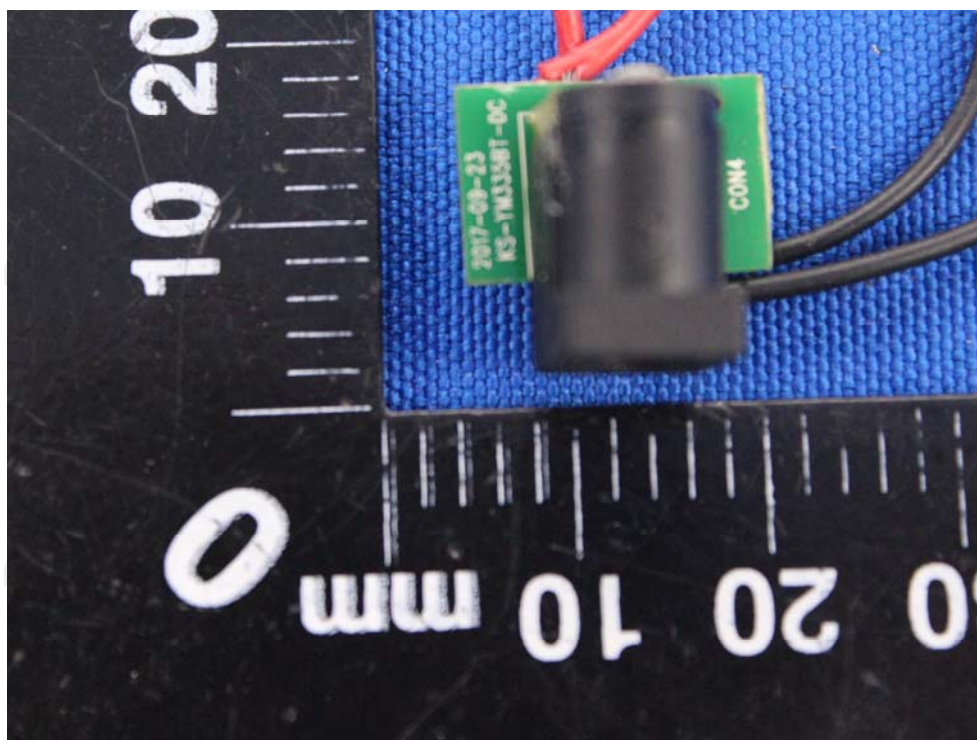












*******END OF REPORT*******