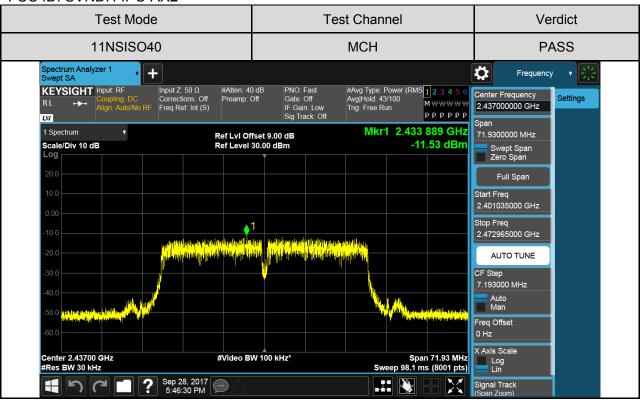
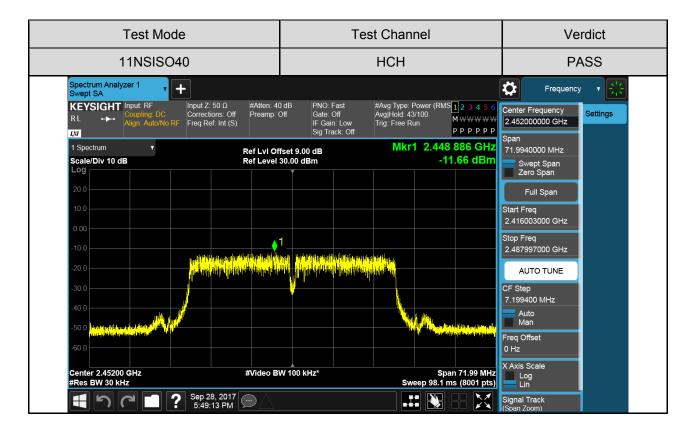


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DATE: Jan. 5, 2018





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6.5. CONDUCTED BANDEDGE AND SPURIOUS EMISSIONS

<u>LIMITS</u>

FCC Part15 (15.247) , Subpart C			
Section Test Item Limit			
FCC §15.247 (d)	Conducted Bandedge and Spurious Emissions	at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power	

TEST PROCEDURE

Refer to FCC KDB 558074, connect the UUT to the spectrum analyser and use the following

Center Frequency	The centre frequency of the channel under test
Detector	Peak
RBW	100K
VBW	≥3 × RBW
Span	1.5 x DTS bandwidth
Trace	Max hold
Sweep time	Auto couple.
cottinge:	

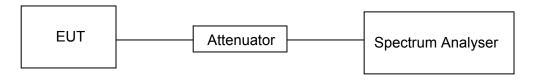
settings:

Use the peak marker function to determine the maximum PSD level.

Span	Set the center frequency and span to encompass frequency range to be measured
Detector	Peak
RBW	100K
VBW	≥3 × RBW
measurement points	≥span/RBW
Trace	Max hold
Sweep time	Auto couple.

Use the peak marker function to determine the maximum amplitude level.

TEST SETUP



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Part I :Conducted Bandedge

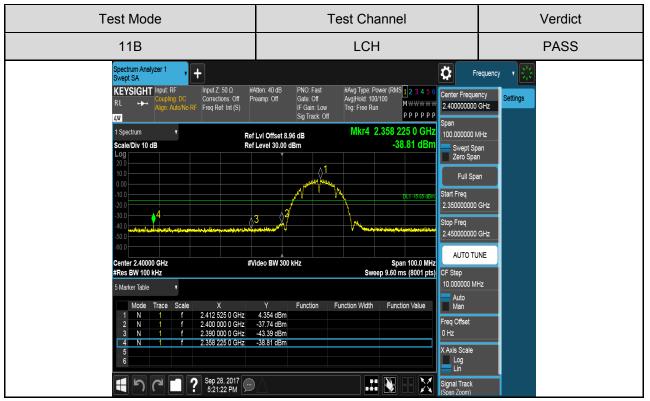
RESULTS TABLE

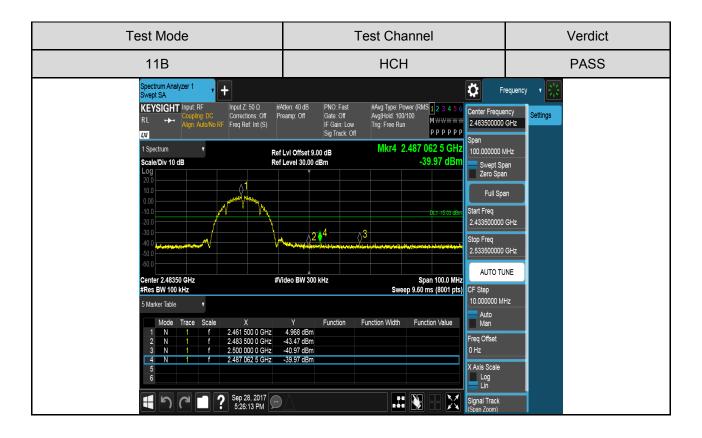
Test Mode	Test Channel	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	4.354	-38.807	-15.65	PASS
11B	HCH	4.968	-39.969	-15.03	PASS
11G	LCH	-5.646	-40.775	-25.65	PASS
11G	НСН	-5.160	-41.105	-25.16	PASS
11N20SISO	LCH	-5.485	-40.851	-25.49	PASS
11N20SISO	HCH	-5.067	-40.048	-25.07	PASS
11N40SISO	LCH	-7.155	-41.061	-27.16	PASS
11N40SISO	НСН	-7.385	-41.407	-27.39	PASS

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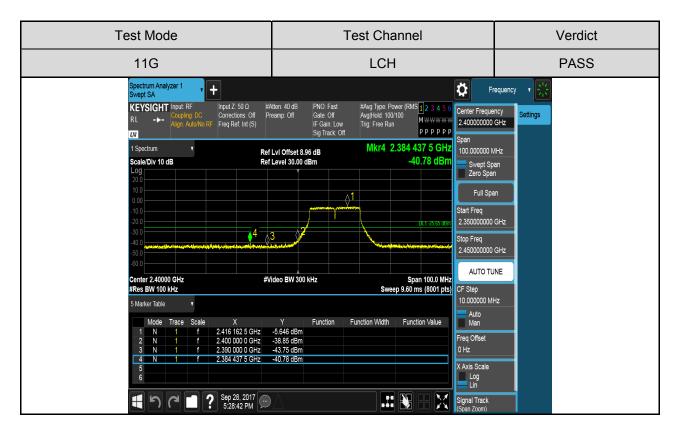
TEST GRAPHS

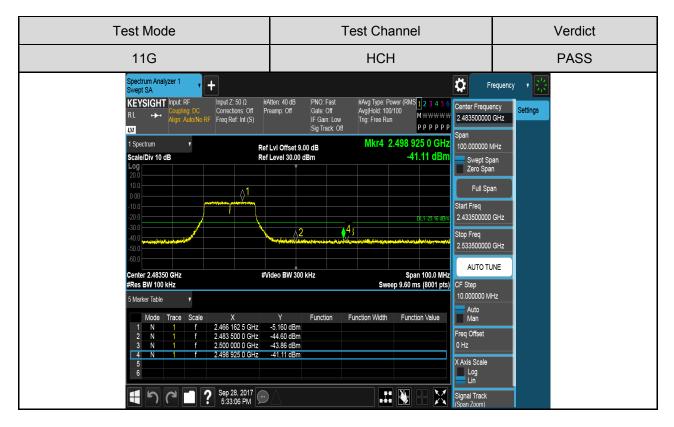




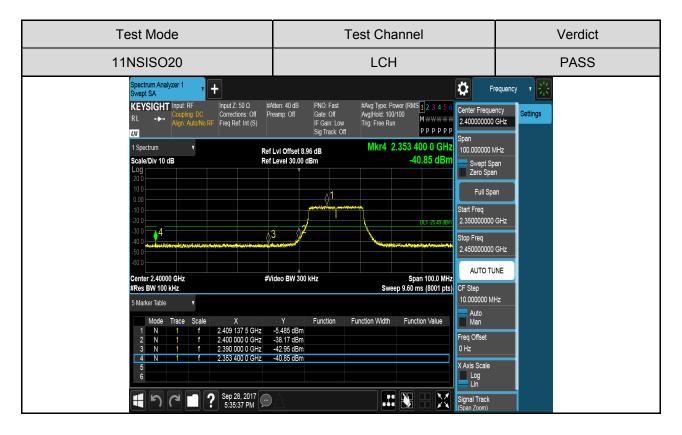
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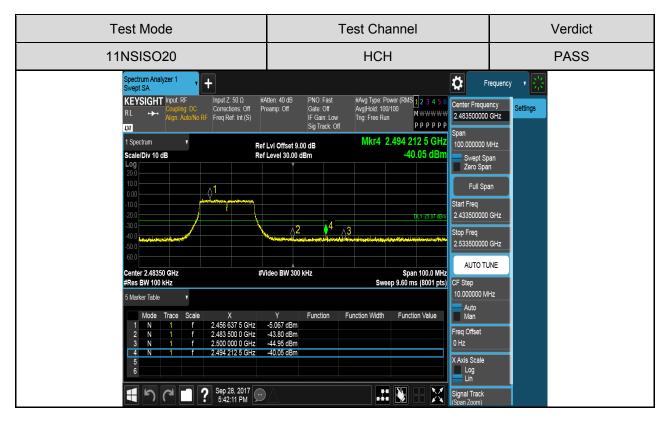
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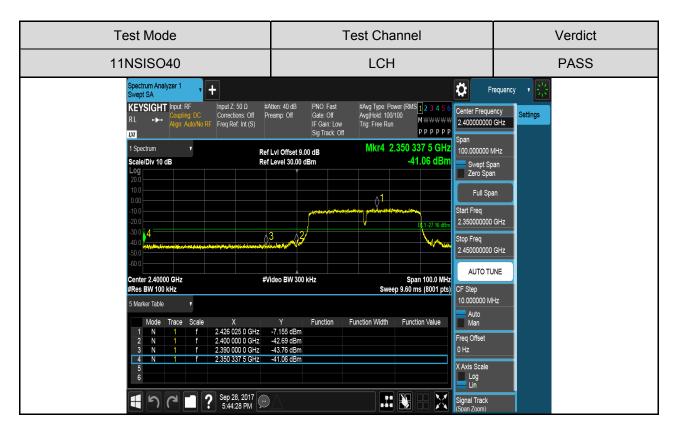


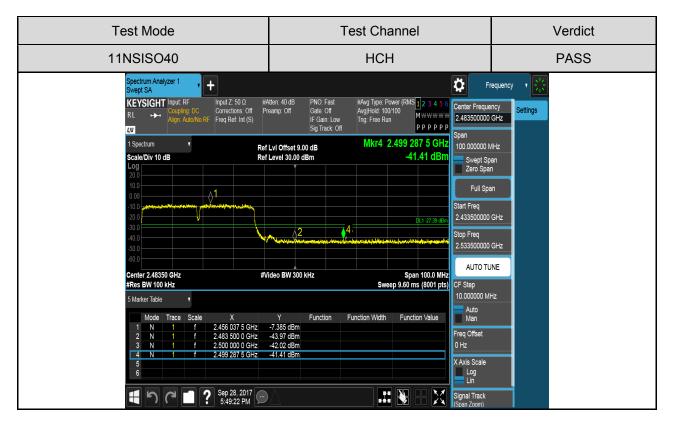
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Part II :Conducted Emission

Test Result Ta	able
----------------	------

Test Mode	Channel	Pref(dBm)	Puw(dBm)	Verdict
11B	LCH	4.29	<limit< td=""><td>PASS</td></limit<>	PASS
	MCH	4.88	<limit< td=""><td>PASS</td></limit<>	PASS
	HCH	4.891	<limit< td=""><td>PASS</td></limit<>	PASS
11G	LCH	-5.684	<limit< td=""><td>PASS</td></limit<>	PASS
	MCH	-5.162	<limit< td=""><td>PASS</td></limit<>	PASS
	HCH	-5.156	<limit< td=""><td>PASS</td></limit<>	PASS
11NSISO20	LCH	-5.375	<limit< td=""><td>PASS</td></limit<>	PASS
	MCH	-4.831	<limit< td=""><td>PASS</td></limit<>	PASS
	HCH	-4.564	<limit< td=""><td>PASS</td></limit<>	PASS
11NSISO40	LCH	-7.036	<limit< td=""><td>PASS</td></limit<>	PASS
	MCH	-7.257	<limit< td=""><td>PASS</td></limit<>	PASS
	HCH	-7.262	<limit< td=""><td>PASS</td></limit<>	PASS

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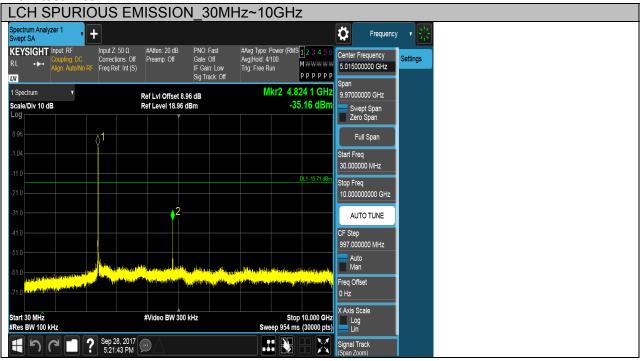
Test Mode	Channel	Verdict
11B	LCH	PASS

Pref test Plot



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LCH SPURIOUS EMISSION_10GHz~26GHz



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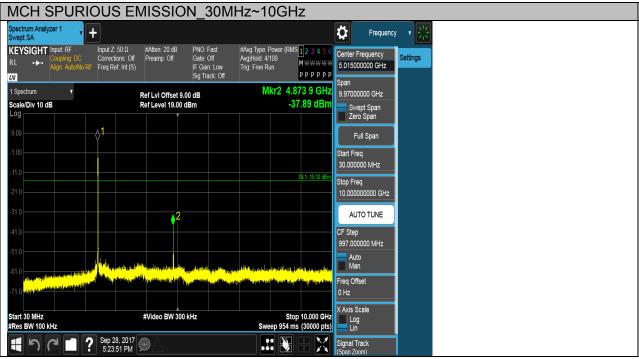
Test Mode	Channel	Verdict
11B	MCH	PASS

Pref test Plot

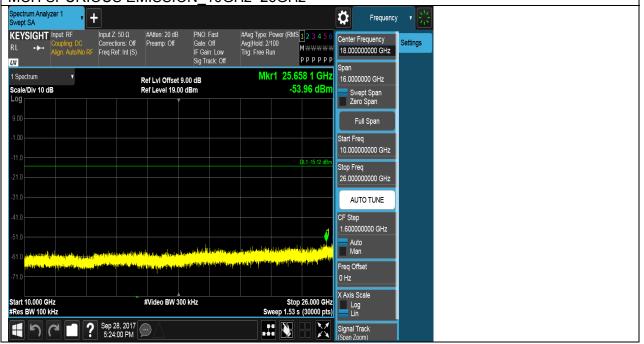


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MCH SPURIOUS EMISSION_10GHz~26GHz



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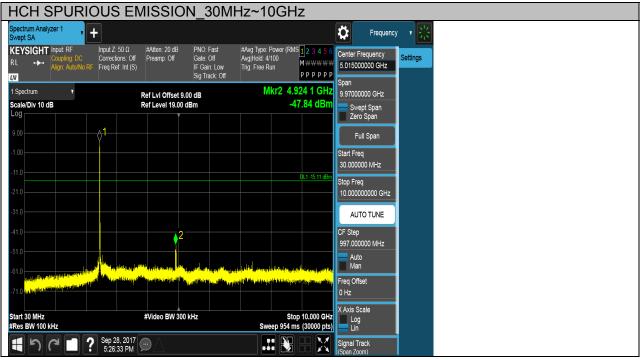
Test Mode	Channel	Verdict
11B	НСН	PASS

Pref test Plot



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HCH SPURIOUS EMISSION 10GHz~26GHz



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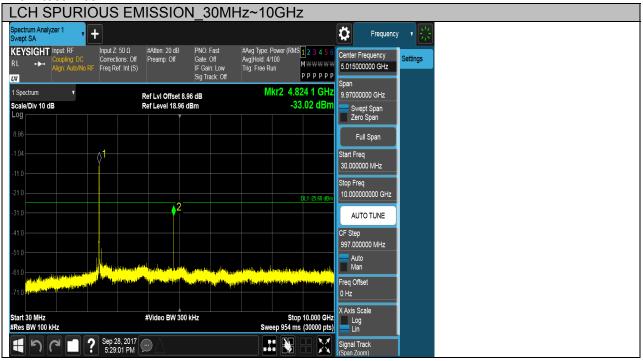
Test Mode	Channel	Verdict
11G	LCH	PASS

Pref test Plot



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LCH SPURIOUS EMISSION_10GHz~26GHz



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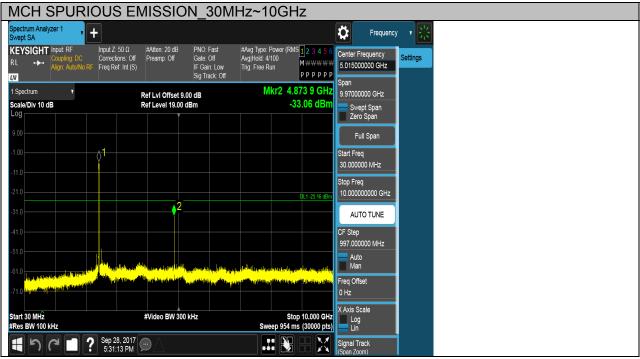
Test Mode	Channel	Verdict
11G	MCH	PASS

Pref test Plot

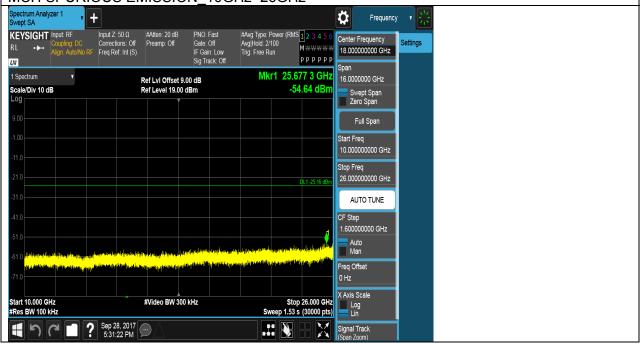


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MCH SPURIOUS EMISSION_10GHz~26GHz



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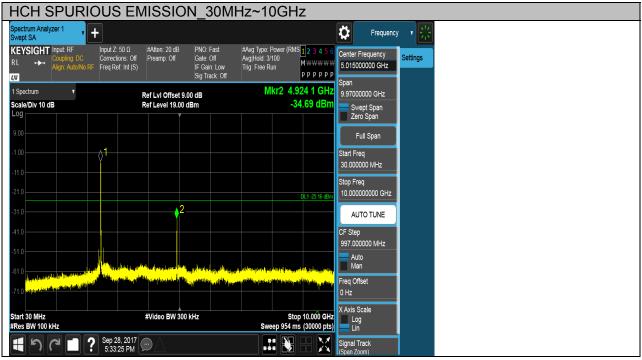
Test Mode	Channel	Verdict
11G	НСН	PASS

Pref test Plot



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HCH SPURIOUS EMISSION_10GHz~26GHz



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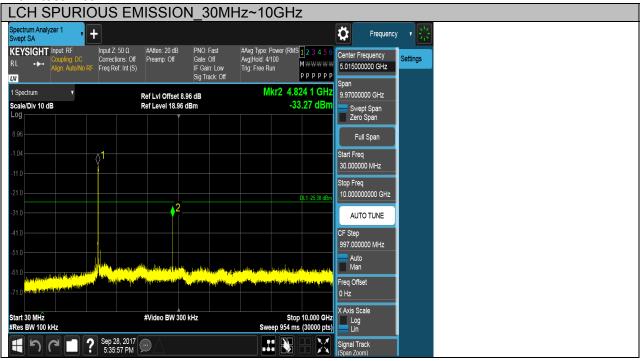
Test Mode	Channel	Verdict
11NSISO20	LCH	PASS

Pref test Plot



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LCH SPURIOUS EMISSION_10GHz~26GHz



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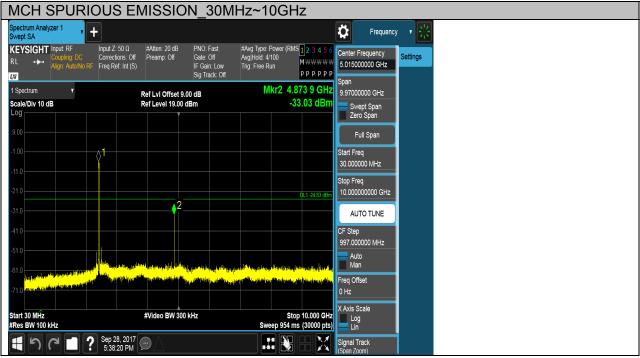
Test Mode	Channel	Verdict
11NSISO20	MCH	PASS

Pref test Plot

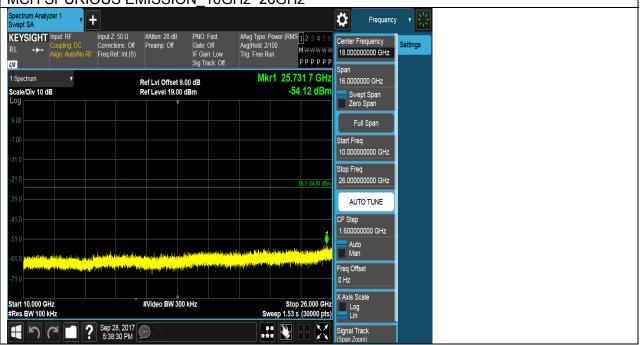


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MCH SPURIOUS EMISSION 10GHz~26GHz



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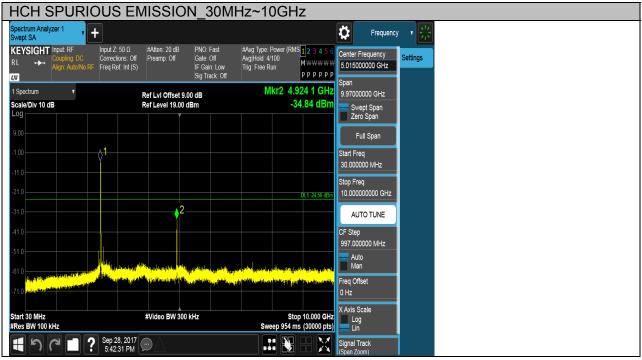
Test Mode	Channel	Verdict
11NSISO20	НСН	PASS

Pref test Plot



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HCH SPURIOUS EMISSION_10GHz~26GHz



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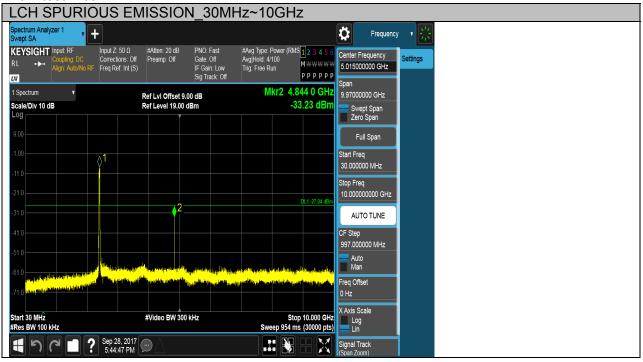
Test Mode	Channel	Verdict
11NSISO40	LCH	PASS

Pref test Plot



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LCH SPURIOUS EMISSION_10GHz~26GHz



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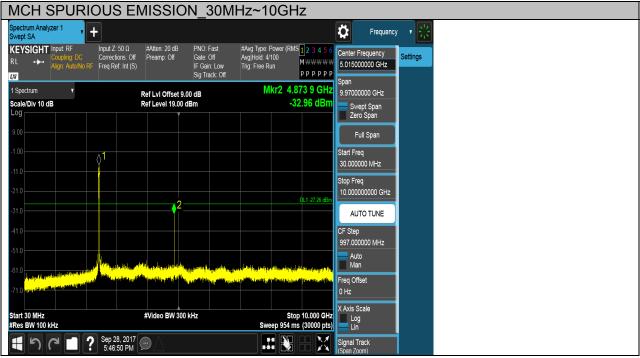
Test Mode	Channel	Verdict
11NSISO40	MCH	PASS

Pref test Plot



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MCH SPURIOUS EMISSION_10GHz~26GHz



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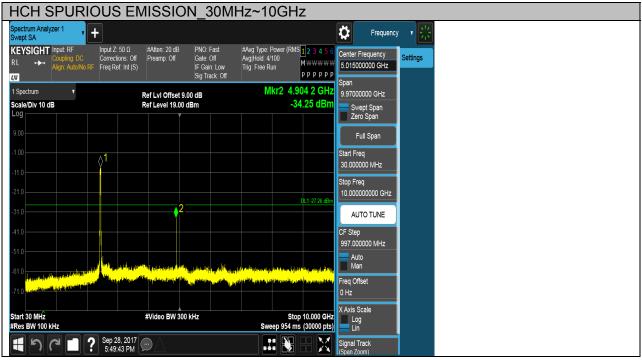
Test Mode	Channel	Verdict
11NSISO40	НСН	PASS

Pref test Plot



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HCH SPURIOUS EMISSION_10GHz~26GHz



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