AUDIX Technology Corp.
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APPDNDIX A

TEST PLOTS

(Model: SUG-100-04)

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A.1 20dB BANDWIDTH MEASUREMENT

Test Date	2015/11/17	Temp./Hum.	22℃/45%
Cable Loss	2dB	Test Voltage	AC 120V, 60Hz

A.1.1 20dB Bandwidth Result

Modulation	Centre Frequency (MHz)	20 dB Bandwidth (kHz)	2/3 (20dB Bandwidth)
FHSS	902.75	43.45	**28.967**
	914.75	43.49	**28.993**
	927.75	43.51	**29.007**

Remark: The maximum two-thirds of the 20dB bandwidth is the limit for carrier frequency separation presented.

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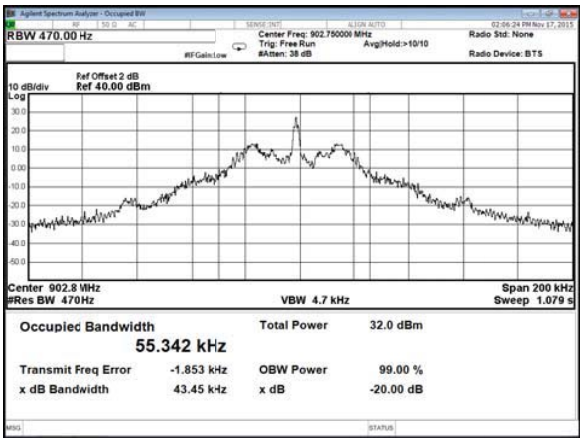
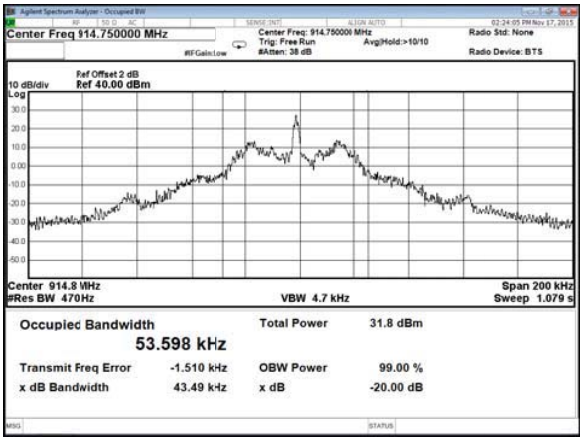
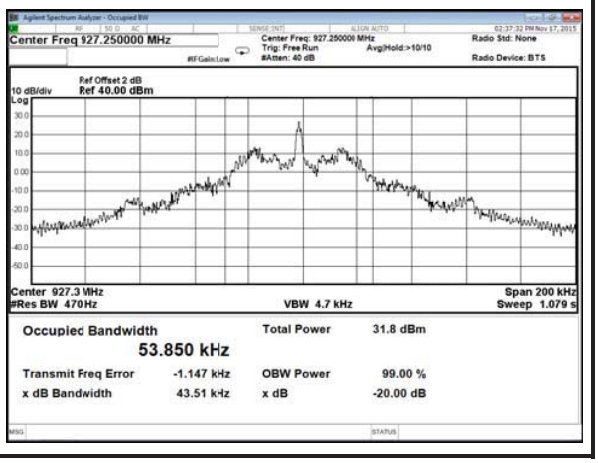
A.1.2 Measurement Plots

Modulation: FHSS







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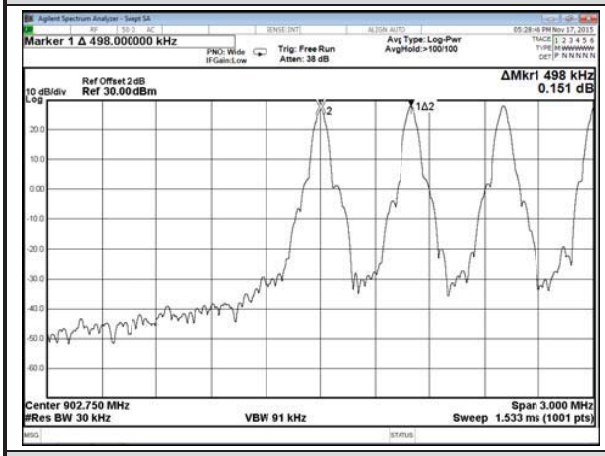
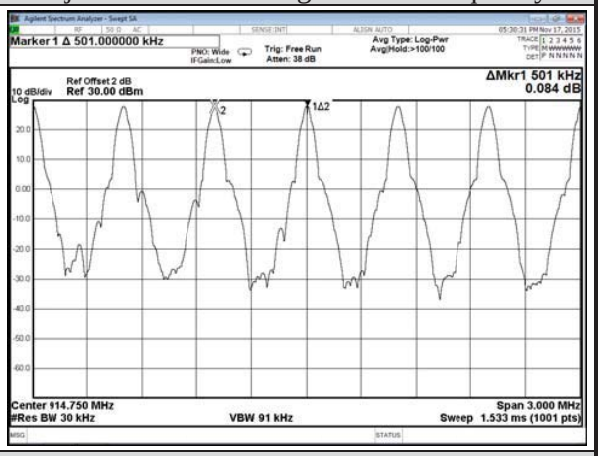
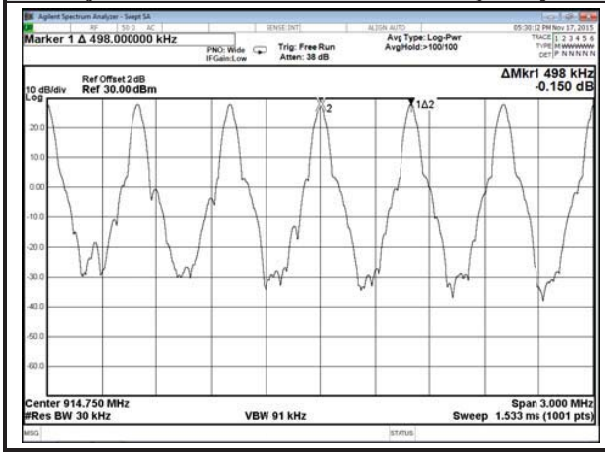
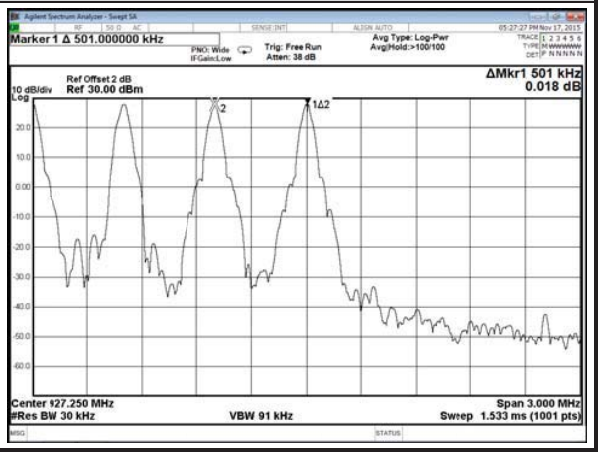
A.2 CARRIER FREQUENCY SEPARATION MEASUREMENT

Test Date	2015/11/17	Temp./Hum.	22℃/45%
Cable Loss	2dB	Test Voltage	AC 120V, 60Hz

A.2.1 Measurement Plots

<table>
<tr><td colspan="2">Modulation: FHSS</td></tr>
<tr><td>902.75MHz</td><td>914.75 MHz
adjacent channel of right carrier frequency</td></tr>
<tr><td> 
</td><td> 
</td></tr>
<tr><td>914.75 MHz
adjacent channel of left carrier frequency</td><td>927.75 MHz</td></tr>
<tr><td> 
</td><td> 
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A.3 TIME OF OCCUPANCY MEASUREMENT

Test Date	2015/11/17	Temp./Hum.	22℃/45%
Cable Loss	2dB	Test Voltage	AC 120V, 60Hz

A.3.1 Time of Occupancy

Modulation	Centre Frequency (MHz)	Time of Occupancy (ms)	Maximum accumulated Time of Occupancy (ms)	Limit (ms)
FHSS	902.75	98.8	395.2	<400
	914.75	98.8	395.2	<400
	927.75	98.8	395.2	<400

Observation Period: 50 channels*0.4 seconds = 20 seconds

Centre Frequency: 902.75MHz

For each second of 2 channel appearance, the longest time of occupancy for each of 20 seconds is:

2channels*20 seconds* 98.8ms = 395.2ms

Centre Frequency: 914.75MHz

For each second of 2 channel appearance, the longest time of occupancy for each of 20 seconds is:

2channels*20 seconds* 98.8ms = 395.2ms

Centre Frequency: 927.75MHz

For each second of 2 channel appearance, the longest time of occupancy for each of 20 seconds is:

2channels*20 seconds* 98.8ms = 395.2ms

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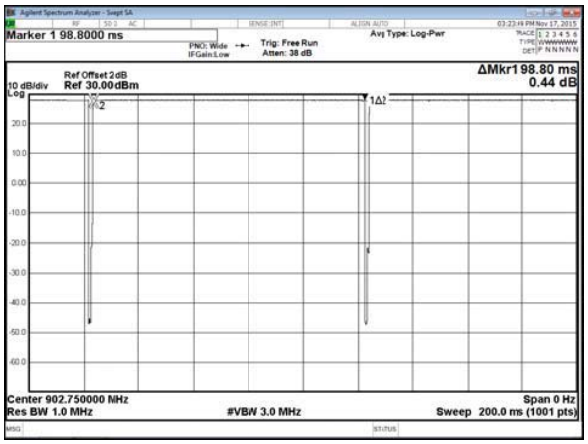
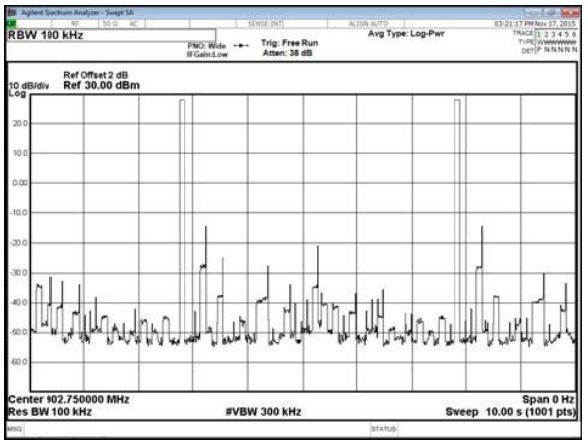
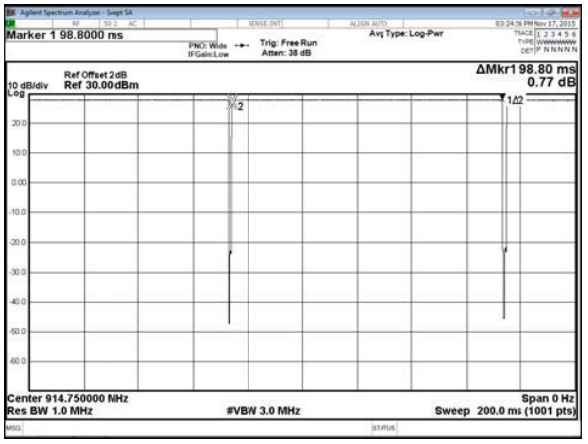
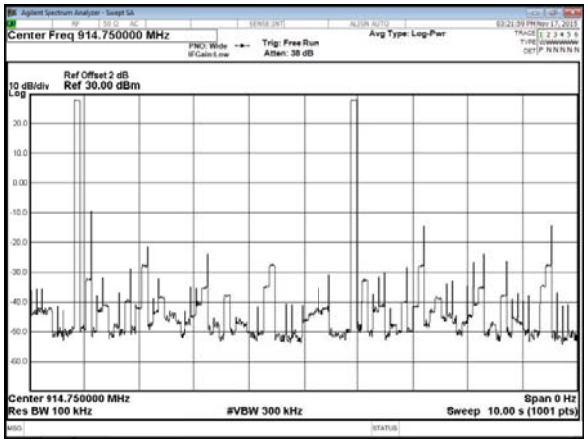
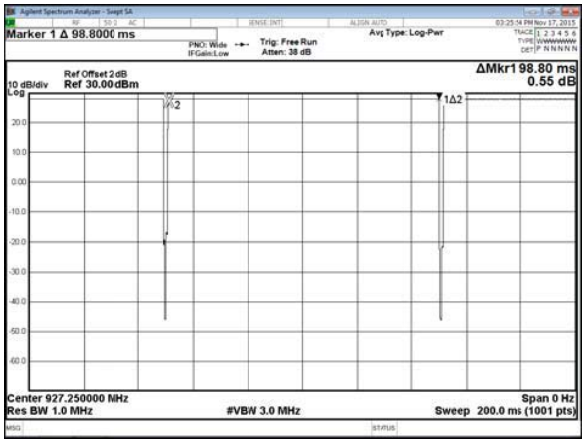
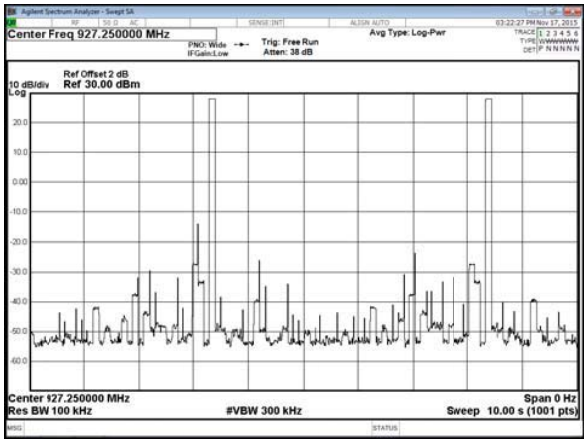
A.3.2 Measurement Plots

Modulation: FHSS	
Centre Frequency: 902.75MHz	
	
Centre Frequency: 914.75MHz	
	
Centre Frequency: 927.75MHz	
	

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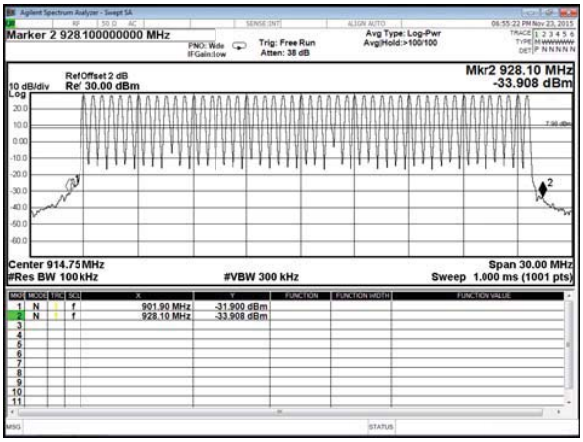
A.4 NUMBER OF HOPPING CHANNELS MEASUREMENT

Test Date	2015/11/23	Temp./Hum.	23℃/51%
Cable Loss	2dB	Test Voltage	AC 120V, 60Hz

A.4.1 Measurement Plots

Modulation: FHSS

The number hopping channel is 50.

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A.5 MAXIMUM PEAK OUTPUT POWER MEASUREMENT

Test Date	2015/11/17	Temp./Hum.	22℃/45%
Cable Loss	2dB	Test Voltage	AC 120V, 60Hz

A.5.1 Output Power

Modulation	Centre Frequency (MHz)	Peak Output Power		Limit
		dBm	W	
FHSS	902.75	28.001	0.631103	30dBm (1W)
	914.75	27.944	0.622874	
	927.75	27.967	0.626181	

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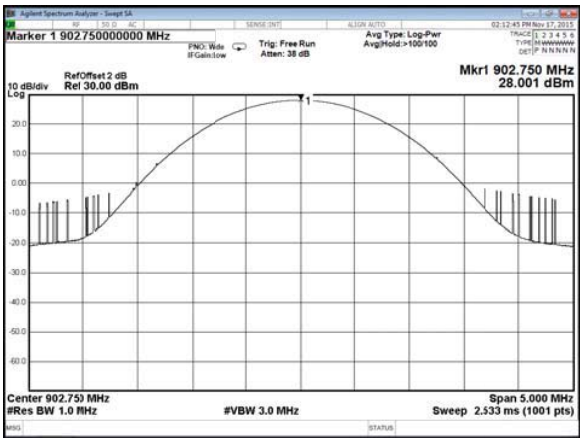
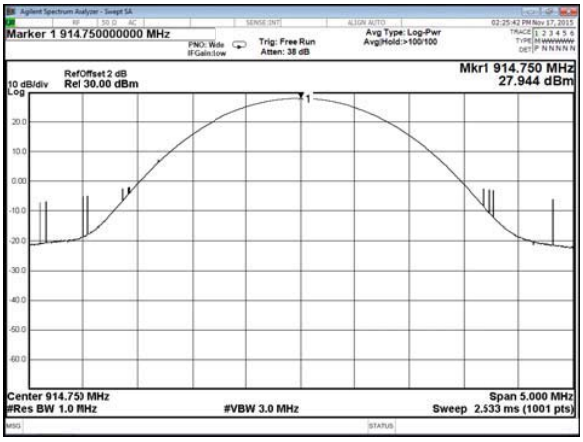
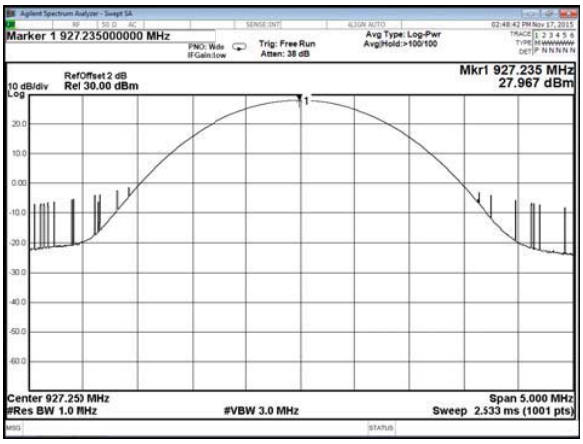
A.5.2 Measurement Plots

Modulation: FHSS




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A.6 EMISSION LIMITATIONS MEASUREMENT

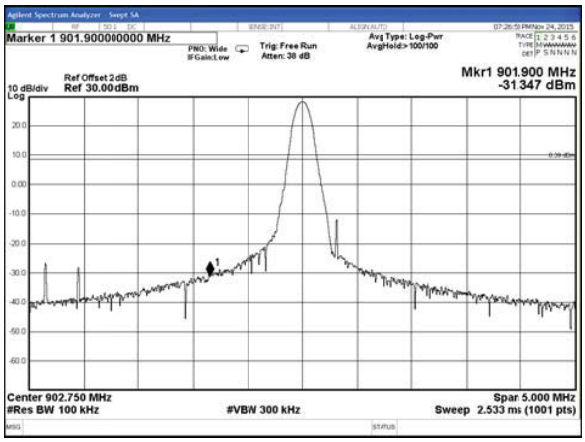
A.6.1 Band Edge

Test Date	2015/11/23	Temp./Hum.	23℃/51%
Cable Loss	2dB	Test Voltage	AC 120V, 60Hz

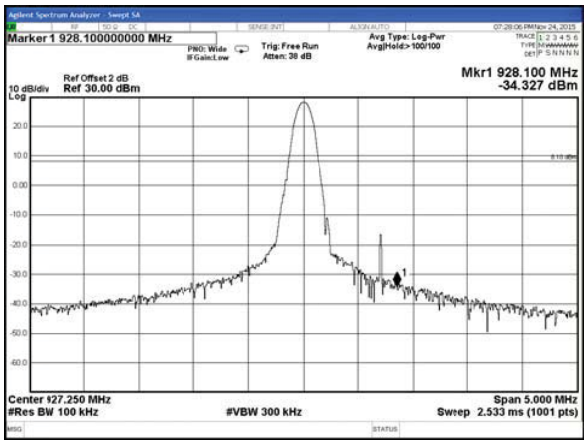
Modulation: FHSS

Single Channel

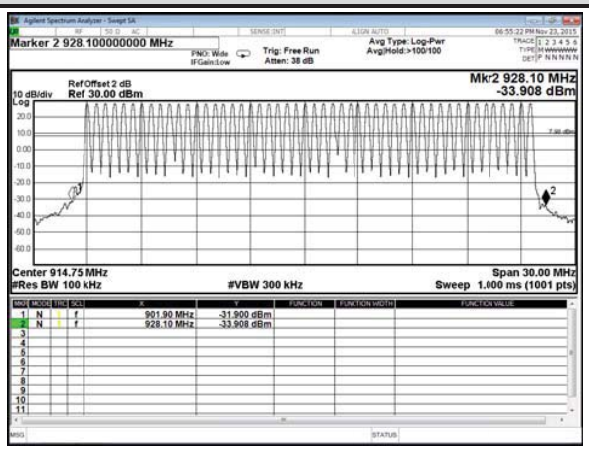
Low channel



High channel



Hopping Mode



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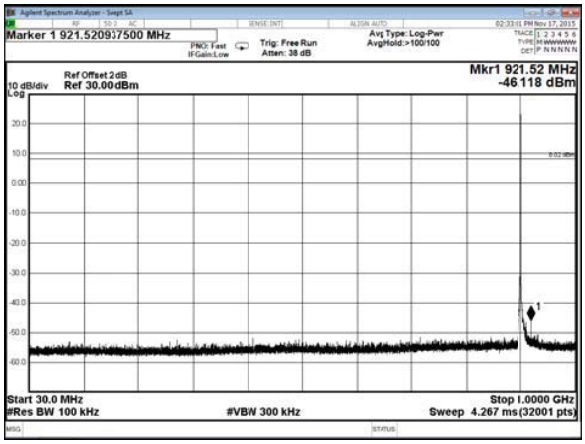
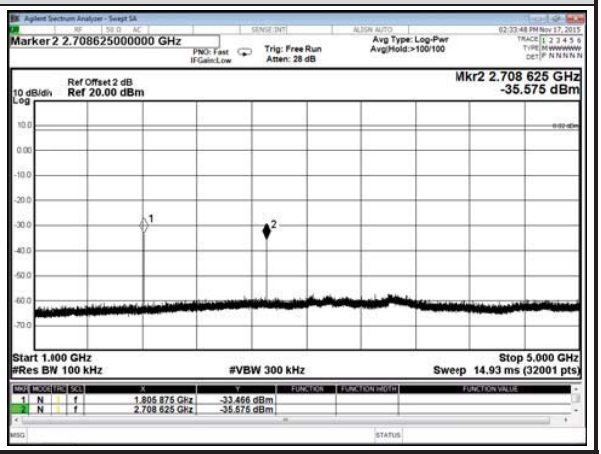
A.6.2 Spurious Emission

Test Date	2015/11/17	Temp./Hum.	22℃/45%
Cable Loss	2dB	Test Voltage	AC 120V, 60Hz
Modulation	FHSS	Frequency	902.75MHz

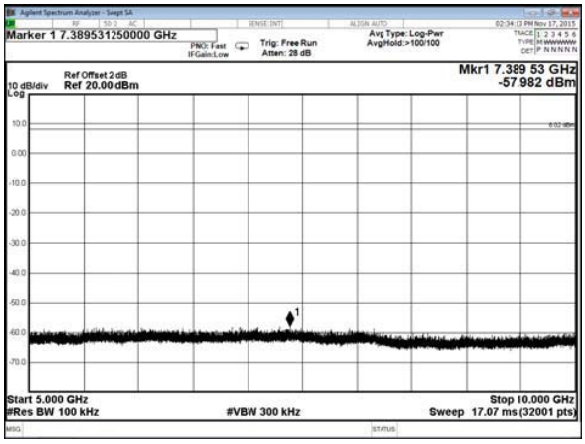
30MHz – 1GHz



1GHz – 5GHz



5GHz – 10GHz



Note: All results have been included cable loss.

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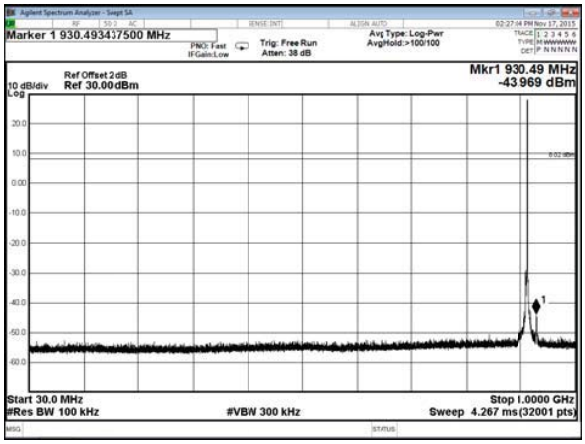
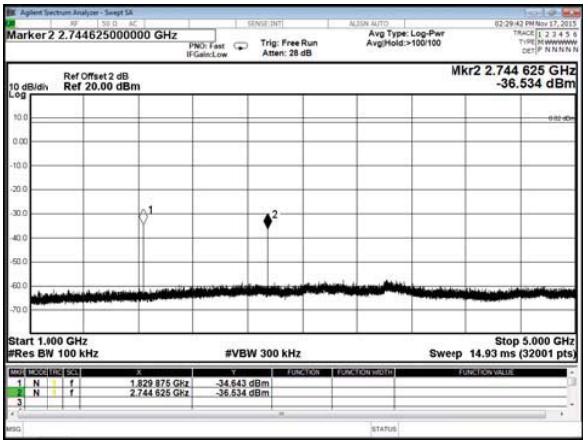
Test Date	2015/11/17	Temp./Hum.	22℃/45%
Cable Loss	2dB	Test Voltage	AC 120V, 60Hz
Modulation	FHSS	Frequency	914.75MHz

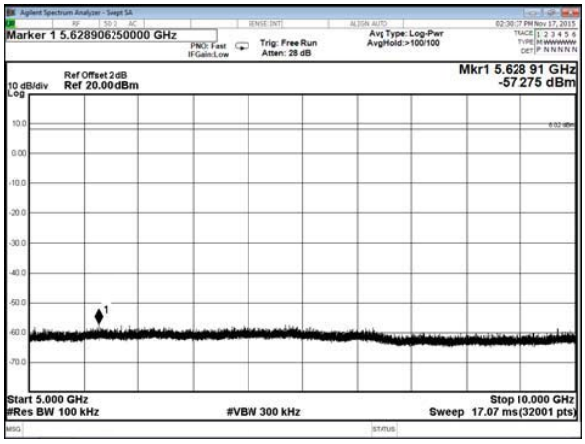
30MHz – 1GHz



1GHz – 5GHz



5GHz – 10GHz



Note: All results have been included cable loss.

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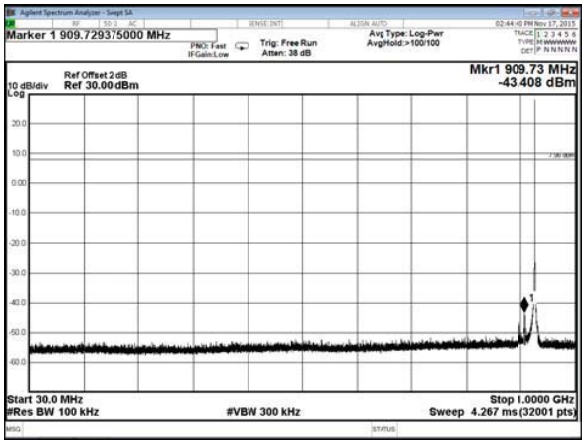
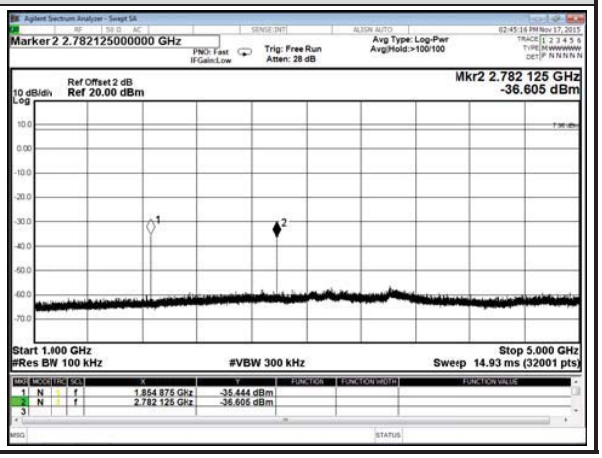
Test Date	2015/11/17	Temp./Hum.	22℃/45%
Cable Loss	2dB	Test Voltage	AC 120V, 60Hz
Modulation	FHSS	Frequency	927.75MHz

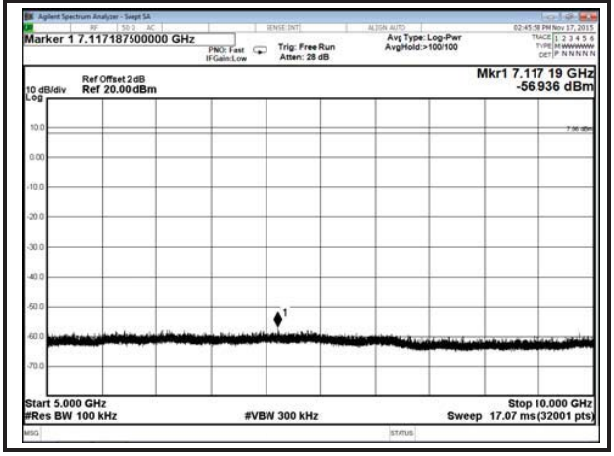
30MHz – 1GHz



1GHz – 5GHz



5GHz – 10GHz



Note: All results have been included cable loss.