

Wireless Smoke Detector

Model No.:

1. FWD-200ACCLIMATE
2. FWH-200FIX135
3. FWD-200P





Date: 22-Dec-2013

Report Prepared By:

Sasikala Subramani

EMC Test Report

Report Number	EMC-0004-1
EUT Nomenclature	Wireless Smoke Detector
Sample Identification	Model No. / Sl. No. : 1) FWD-200A CCLIMATE / 05936 2) FWH-200FIX135 / 05945 3) FWD-200P / 05917 Software Version : 5.82 Hardware Version : Rev D
Number of Samples	03
Date of receipt of Sample	21-10-2013
Condition of Sample on receipt	Good
Client name	Honeywell International Inc.
Client Address	System Sensor, 3825, Ohio Ave, St. Charles, IL, USA – 60174.
Testing Laboratory	Honeywell Technology Solutions Lab Pvt. Ltd.
Address	RMZ ECOWORLD INFRASTRUCTURE PVT. LTD., (Formerly Adarsh Prime Projects Pvt. Ltd., SEZ). Survey # 19/2, Devarabisanahalli Village, Varthur Hobli, Bangalore East Taluk, Bangalore – 560103
Test Dates	21-Oct-2013 to 08-Dec-2013
Applicable Standard	FCC Part 15 Subpart C
Test Results	PASS

Prepared By: Technical Lead Name : Sasikala Subramani Signature:  Date : 23-Dec-2013	Reviewed By: Project Lead Name : Loganathan Joghee Signature:  Date : 23-Dec-2013
Authorized By: Quality Manager Name : Prasanna Kumar BT Signature:  Date : 23-Dec-2013	Authorized By: Lab Manager Name : Ananth Krishna Signature:  Date : 23-Dec-2013

This Report relates to the above mentioned test sample only. Without the approval of Lab manager, this report shall not be reproduced except in full.

TEST SUMMARY						
#	Name	Specification	Test Method	Pass	Fail	NA
FHSS						
1	20dB Bandwidth	FCC Part 15.247	DA 00-705	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Maximum Peak Output Power	FCC Part 15.247	DA 00-705	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Carrier Frequency Separation	FCC Part 15.247	DA 00-705	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Number of Hopping Frequencies	FCC Part 15.247	DA 00-705	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Band Edge compliance	FCC Part 15.247	DA 00-705	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	Time of Occupancy (Dwell Time)	FCC Part 15.247	DA 00-705	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	Spurious RF Conducted Emissions	FCC Part 15.247	DA 00-705	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	Spurious Radiated Emissions	FCC Part 15.247 and 15.209	DA 00-705	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DTS						
1	DTS 6dB Bandwidth	FCC Part 15.247	KDB 558074	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Maximum Peak Output Power	FCC Part 15.247	KDB 558074	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Maximum Power Spectral Density	FCC Part 15.247	KDB 558074	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	Band Edge Conducted Emissions	FCC Part 15.247	KDB 558074	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Radiated Spurious Emissions	FCC Part 15.209 and 15.209	KDB 558074	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

MEASUREMENT UNCERTAINTY		
Where relevant, the following measurement uncertainty levels has been estimated for tests performed on the EUT as specified in CISPR 16-4		
The Expanded measurement uncertainty (K=2) is provided below		
#	Name	Value
1	20dB & 6dB Occupied Bandwidth	1.4dB
2	Maximum Peak Output Power Level	1.4dB
3	Power Spectral Density	1.4dB
4	Band Edge Conducted Emission	1.4dB
5	Spurious RF Conducted Emission	1.4dB
6	Radiated Spurious Emission < 1GHz	4.9dB
7	Radiated Spurious Emission > 1GHz	6.3dB

1 PRODUCT DETAILS

PRODUCT OPERATION AND INTENDED USE

The Wireless Smoke Detector is powered by four CR123A batteries. It has a sensor head to detect smoke and LEDs to indicate activation and trouble status.

RATINGS AND SYSTEM DETAILS

Operating Frequency	902MHz to 928MHz	
Number of Channels	DTS	:6
	FHSS	:52
Channel Bandwidth (20dB)	DTS	:1MHz
	FHSS	:320KHz
Transmitted Power	DTS	:12dBm & 2dBm
	FHSS	:17dBm
Modulation Type	FSK	
Data Rate	DTS	:300Kbps
	FHSS	:150Kbps
Antenna Type	Inverted F Patch Antenna	
No. of Antenna	3	
Antenna Gain	2.5 dBi	
Supply Voltage and Current	3.3V, 24mA	
Dimensions (Diameter x Height)	4 inch x 2.1 inch	
Environmental Conditions	Operating Temperature	:0°C to 50°C
	Storage Temperature	:-10°C to 60°C
	Humidity	:10% to 93% RH

TEST CONFIGURATION	
Config #	Description
Conducted Test	EUT is Powered by external 3.3V power supply. EUT Debug port (UART) is connected to Laptop through USB to UART converter cable. EUT is configured to the respective operating mode through HyperTerminal. Antenna 1 is selected for the test as this is the only transmitting antenna in the field.
Radiated Test	EUT is Powered from Battery. EUT Debug port (UART) is connected to Laptop through USB to UART converter cable. EUT is configured to the respective operating mode through HyperTerminal. Antenna 1 is selected for the test as this is the only transmitting antenna in the field.

OPERATING MODES	
Mode #	Description
DTS	Following DTS channels have been used for Conducted (Continuous Transmission) and Radiated (Pulsed Transmission) Tests Channel 1 : 902.875MHz Channel 2 : 908.425MHz Channel 3 : 914.325MHz Channel 4 : 915.325MHz Channel 5 : 921.575MHz Channel 6 : 927.125MHz
FHSS	Following FHSS channels have been used for Conducted (Continuous Transmission) and Radiated (Continuous Transmission) Tests Channel 1 : 903.55MHz Channel 27 : 916.35MHz Channel 52 : 926.45MHz

INPUT AND OUTPUT CABLES					
Port #	Name	Port Type	Cable Length	Cable type Shielded/ Unshielded	Comments
	Not applicable				
*Note : AC = AC Power Port DC = DC Power Port TP = Telecommunication Ports (E.g. Ethernet) DI / DO = Digital Input / Output N / E = Non Electrical AI / AO = Analog Input / Output					

SUPPORT EQUIPMENTS AND ACCESSORIES USED					
#	Item Description	Make	Model	Part No. / SI. No	Cal Due Date
1	Laptop	DELL	E6400	3351399400	NA
2	USB to UART Cable	FTDI	NA	TTL-232R-3V3	NA
3	Dual Channel Power Supply	GW Instek	GPS-2202	ZH846116	18-Feb-2014

CONNECTION DIAGRAM AND SETUP DIAGRAM

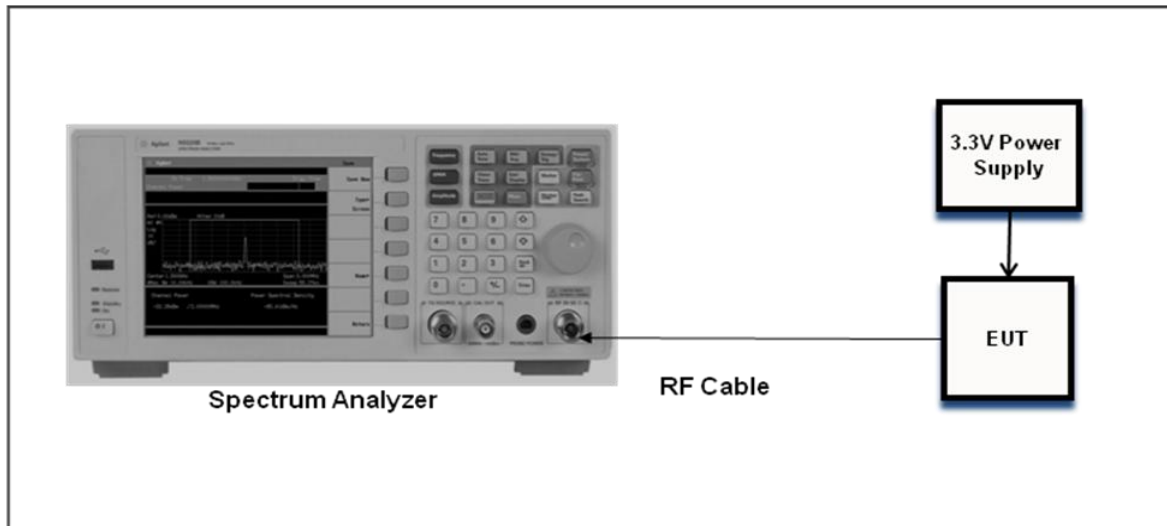


Figure 1 : Conducted RF Test Setup

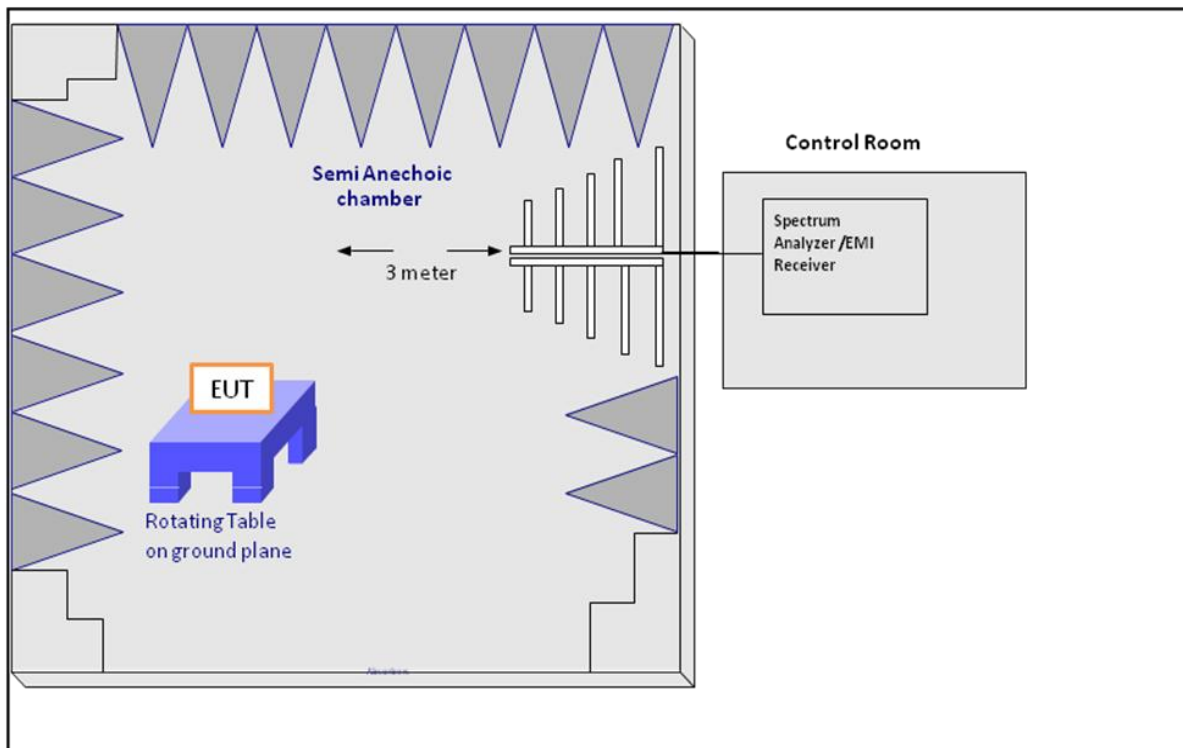


Figure 2 : Radiated Emission Test Setup

Wireless Acclimate Smoke Detector

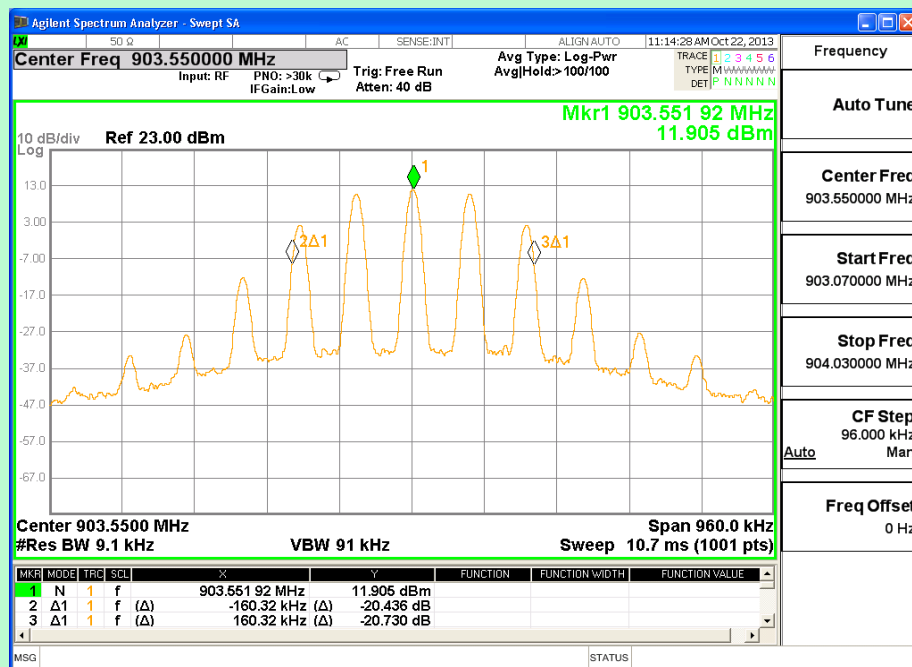
2 FHSS CHANNELS

2.1 20dB Bandwidth

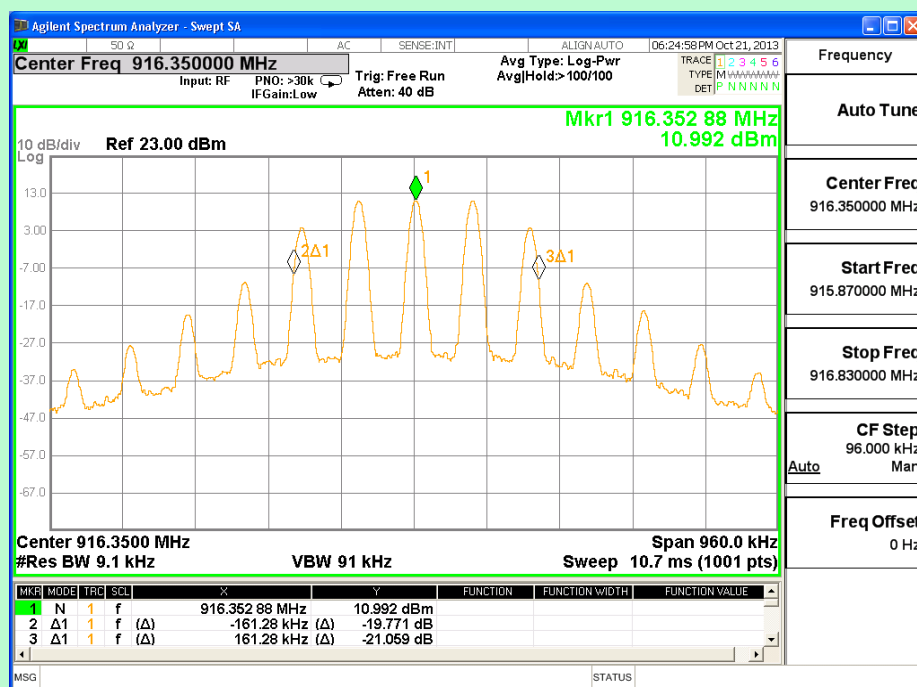
EUT Nomenclature	Wireless Smoke Detector	Test Report No.	EMC-0004-1
Model No.	FWD-200A CCLIMATE	Serial No.	05936
Test Start Date	21-Oct-2013	Temperature (°C)	23.2
Test End Date	22-Oct-2013	Humidity RH (%)	55.1
Tested By	Loganathan Joghee	Pressure (mbar)	NR
Input Voltage / Freq	3.3V dc		
Operating Mode	Refer Page 5 Operating Modes Table		
Test configuration	Refer Page 5 Test Configuration Table		
Deviation from Std	NA		
Applicable standard	FCC Part 15.247		
Test Method	DA 00-705		
Comment			
TEST DETAILS			
Method	<input checked="" type="checkbox"/> Conducted <input type="checkbox"/> Radiated		
TEST PARAMETERS			
Antenna Height	NA	Turntable Rotation	NA
Equipment Class	NA	Measurement Distance	NA

TEST EQUIPMENT					
Y/N	Equipment	Make	Model	Sl. No.	Cal Due Date
Y	Spectrum Analyzer	Agilent	N9010A	MY48031005	28-Nov-2014
Y	RF Cable	Huber- Suhner	SF104/2X11PC3542/500	NA	NA

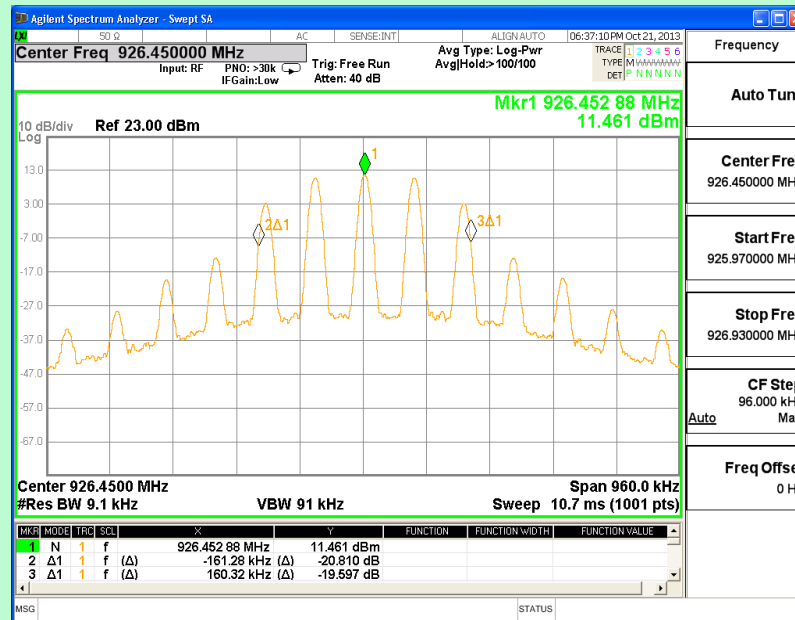
TEST GRAPHS



Channel 1 (903.55 MHz)



Channel 27 (916.35 MHz)



Channel 52 (926.45 MHz)

TEST RESULT

Channel	Frequency	Measured Bandwidth	Limit	Result
#	MHz	KHz	KHz	
1	903.55	320.64	≥250 & ≤500	PASS
27	916.35	322.56	≥250 & ≤500	PASS
52	926.45	321.60	≥250 & ≤500	PASS

TEST SETUP PHOTOGRAPHS

Refer Annexure -1

Conducted RF Test Setup

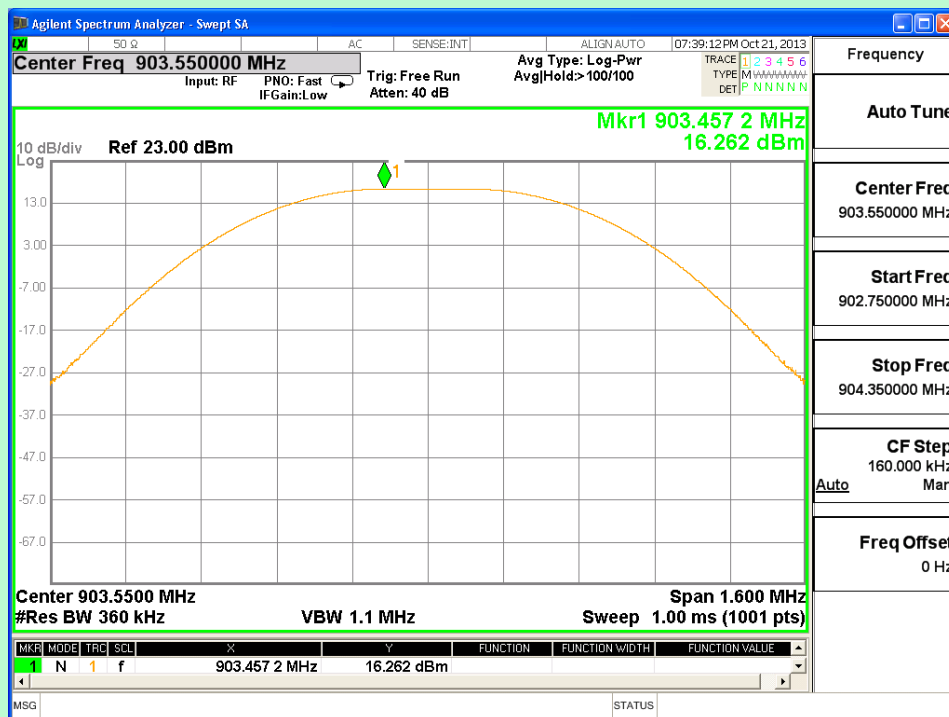
2.2 MAXIMUM PEAK OUTPUT POWER

EUT Nomenclature	Wireless Smoke Detector	Test Report No.	EMC-0004-1			
Model No.	FWD-200A CCLIMATE	Serial No.	05936			
Test Start Date	21-Oct-2013	Temperature (°C)	23.2			
Test End Date	21-Oct-2013	Humidity RH (%)	55.1			
Tested By	Loganathan Joghee	Pressure (mbar)	NR			
Input Voltage / Freq	3.3V dc					
Operating Mode	Refer Page 5 Operating Modes Table					
Test configuration	Refer Page 5 Test Configuration Table					
Deviation from Std	NIL					
Applicable standard	FCC Part 15.247					
Test Method	DA 00-705					
Comment						
TEST DETAILS						
Method	<input checked="" type="checkbox"/> Conducted , <input type="checkbox"/> Radiated					
TEST PARAMETERS						
Antenna Height	NA	Turntable Rotation	NA			
Equipment Class	NA	Measurement Distance	NA			

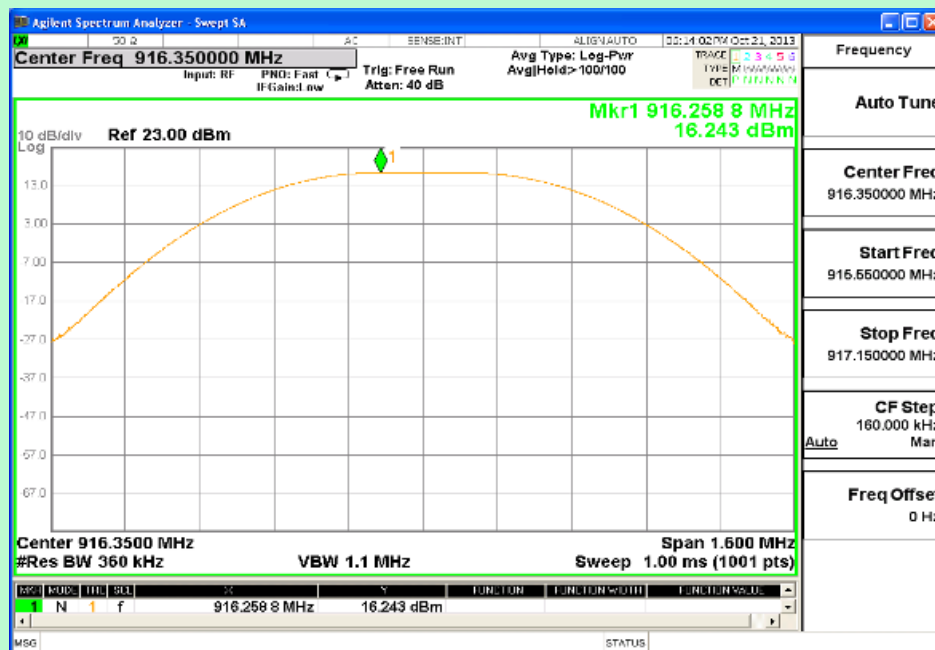
TEST EQUIPMENT

Y/N	Equipment	Make	Model	Sl. No.	Cal Due Date
Y	Spectrum Analyzer	Agilent	N9010A	MY48031005	28-Nov-2014
Y	RF Cable	Huber- Suhner	SF104/2X11PC3542/500	NA	NA

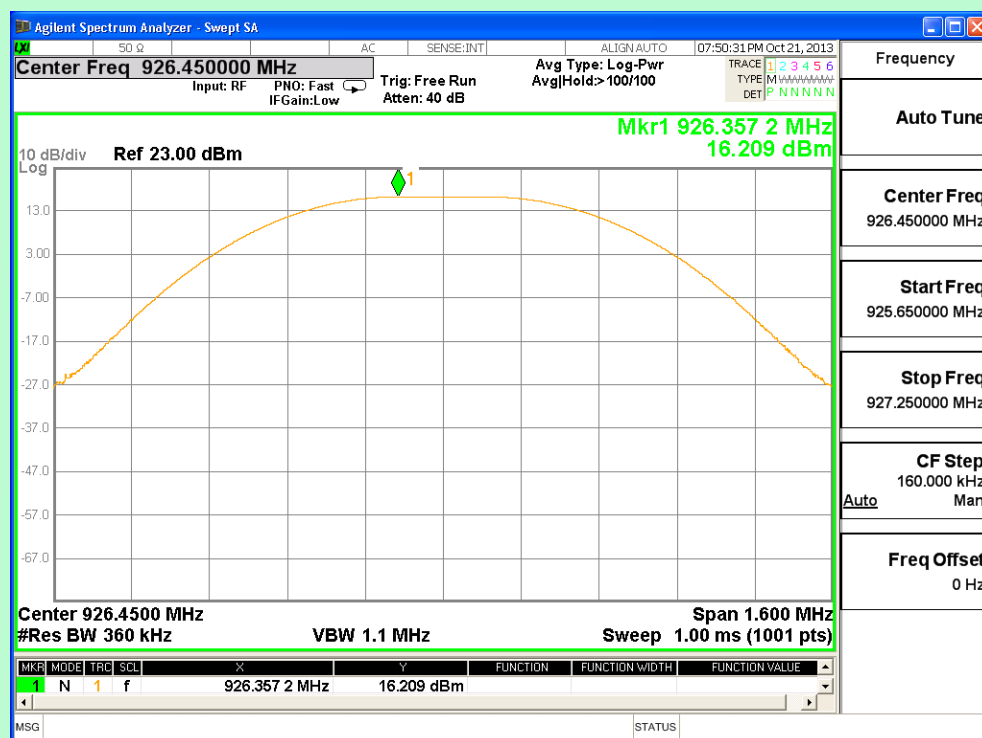
TEST GRAPHS



Channel 1 (903.55 MHz)



Channel 27 (916.35 MHz)



Channel 52 (926.45 MHz)

TEST RESULT

Channel	Frequency	Measured Power Level	Cable Loss	Transmitter Power Level	Limit	Result
#	MHz	dBm	dB	dBm	dBm	
1	903.55	16.262	0.5	16.762	≤ 23.979	PASS
27	916.35	16.243	0.5	16.743	≤ 23.979	PASS
52	926.45	16.209	0.5	16.709	≤ 23.979	PASS

Note: Transmitter Output Power = Measured Level (dBm) + Cable Loss (dB)

TEST SETUP PHOTOGRAPHS

Refer Annexure -1

Conducted RF Test Setup

2.3 CARRIER FREQUENCY SEPERATION

EUT Nomenclature	Wireless Smoke Detector	Test Report No.	EMC-0004-1
Model No.	FWD-200A CCLIMATE	Serial No.	05936
Test Start Date	22-Oct-2013	Temperature (°C)	23.2
Test End Date	23-Oct-2013	Humidity RH (%)	55.1
Tested By	Loganathan Joghee	Pressure (mbar)	NR
Input Voltage / Freq	3.3 Vdc		
Operating Mode	Refer Page 5 Operating Modes Table		
Test configuration	Refer Page 5 Test Configuration Table		
Deviation from Std	NA		
Applicable standard	FCC Part 15.247		
Test Method	DA 00-705		
Comment			

TEST DETAILS

Method	<input checked="" type="checkbox"/> Conducted	<input type="checkbox"/> Radiated
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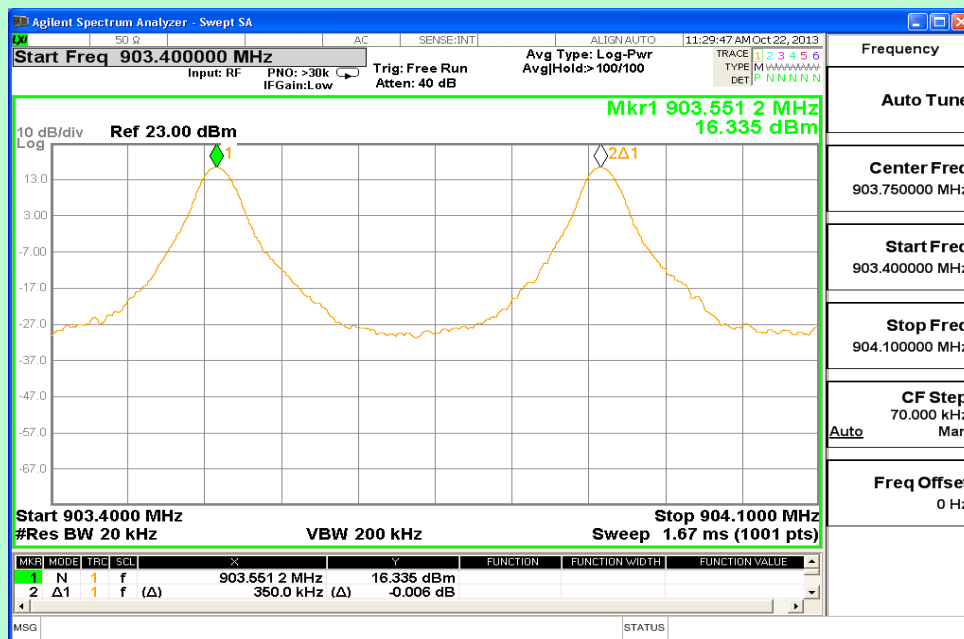
TEST PARAMETERS

Antenna Height	NA	Turntable Rotation	NA
Equipment Class	NA	Measurement Distance	NA

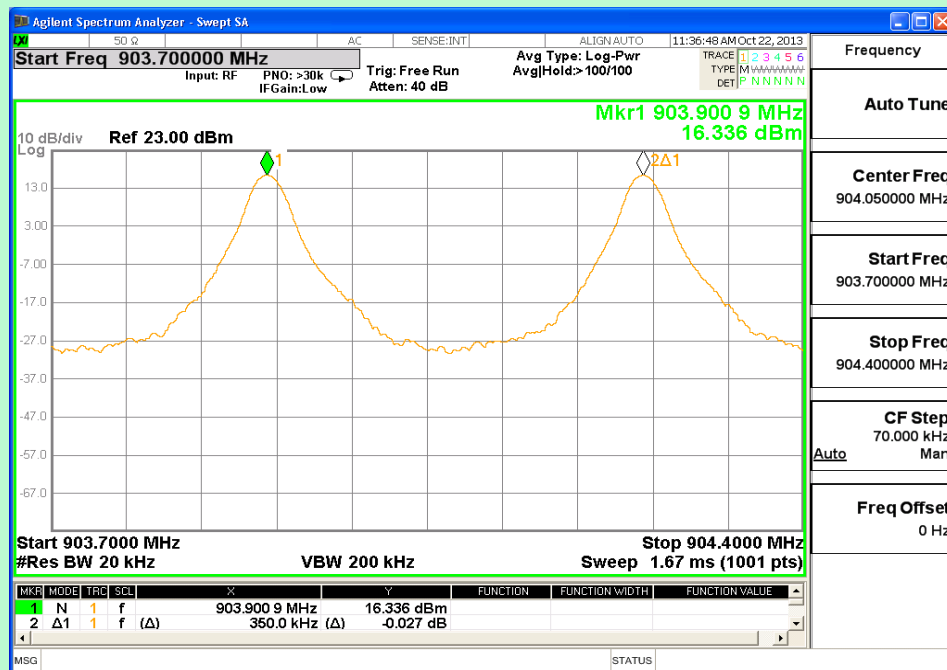
TEST EQUIPMENT

Y/N	Equipment	Make	Model	Sl. No.	Cal Due Date
Y	Spectrum Analyzer	Agilent	N9010A	MY48031005	28-Nov-2014
Y	RF Cable	Huber- Suhner	SF104/2X11PC3542/500	NA	NA

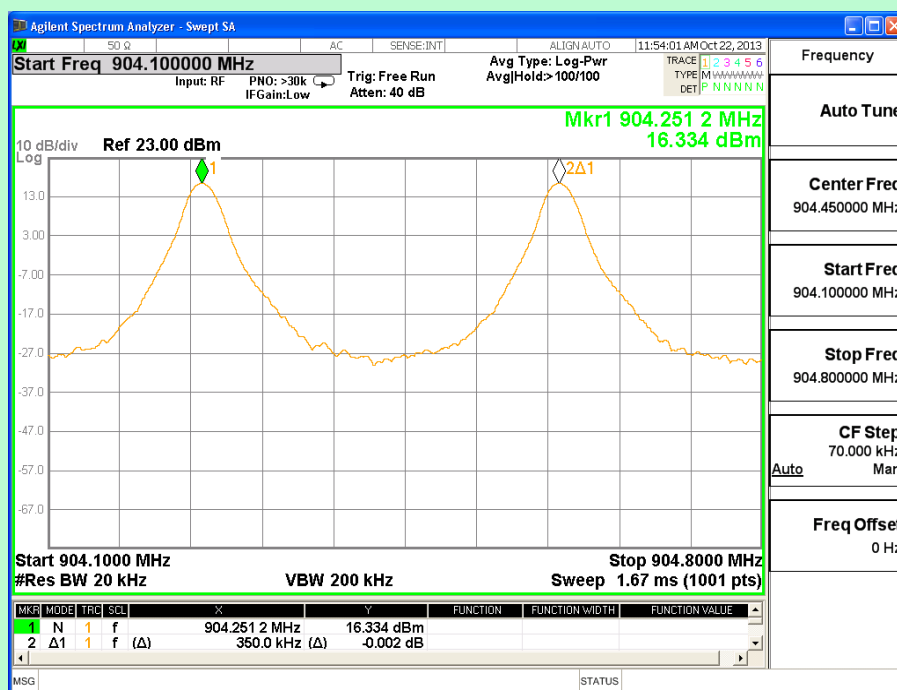
TEST GRAPHS



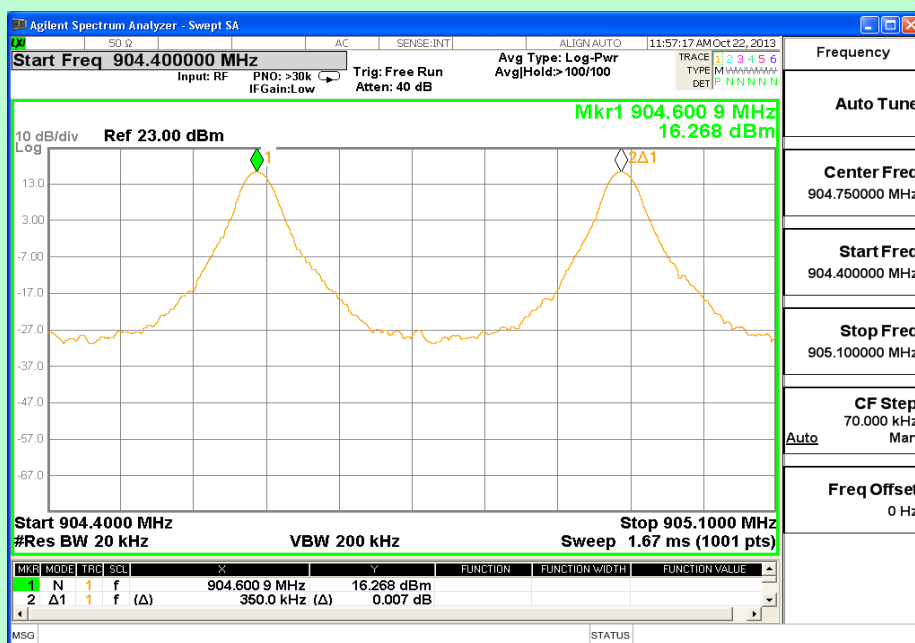
Channel 1 and 2



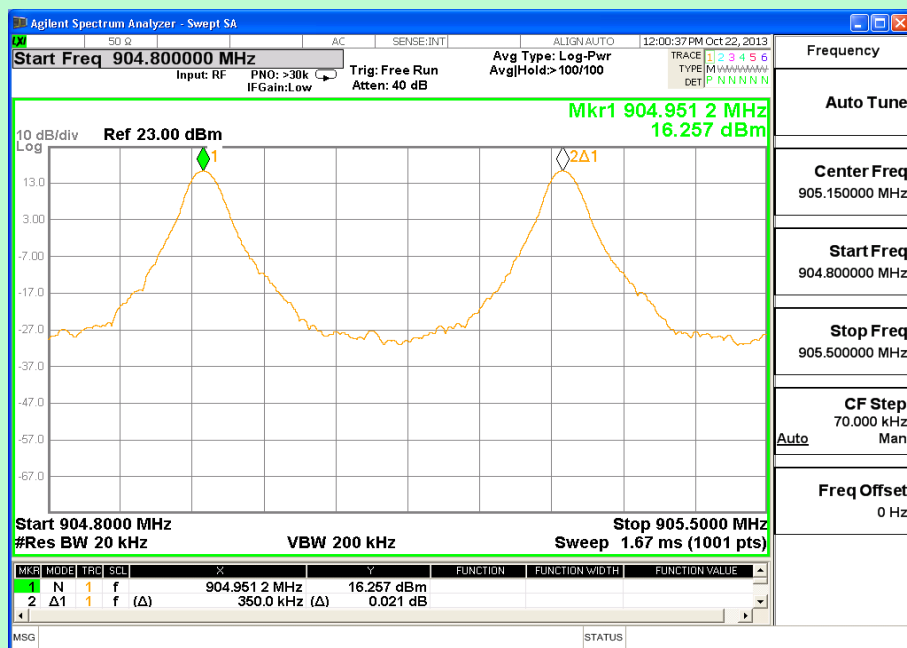
Channel 2 and 3



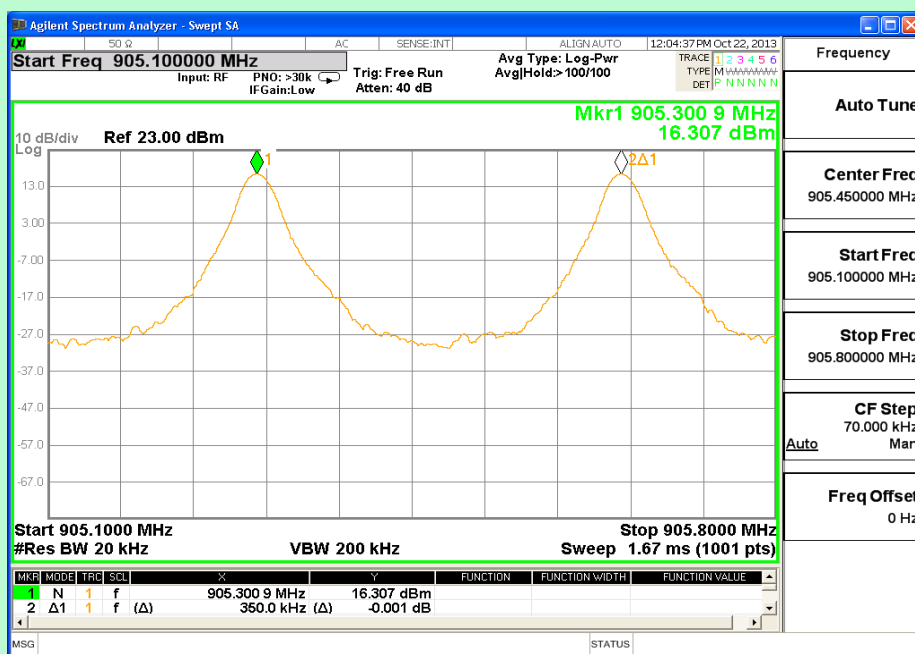
Channel 3 and 4



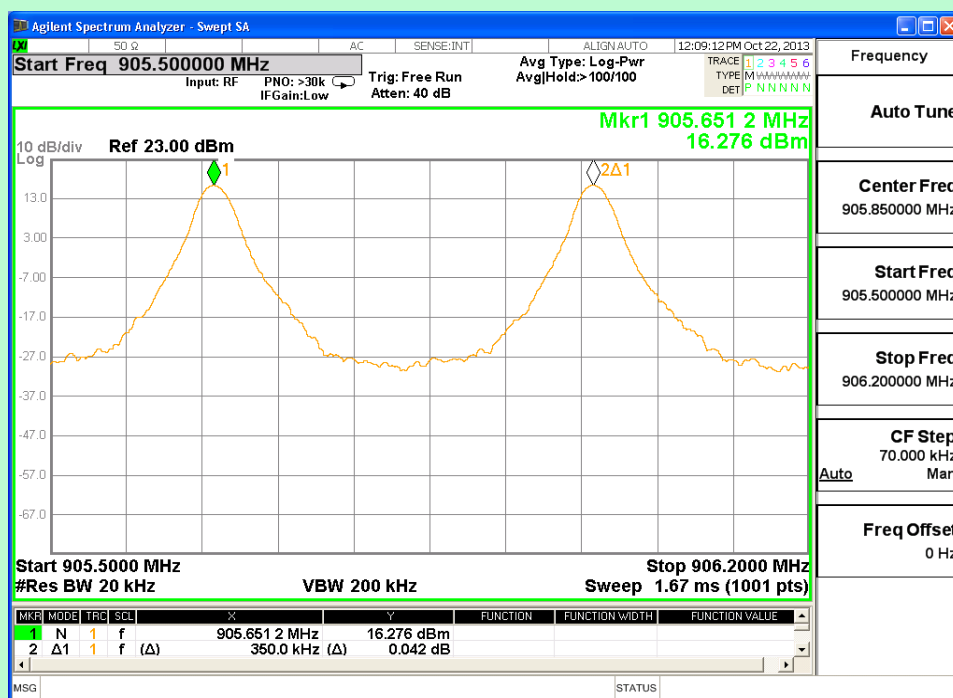
Channel 4 and 5



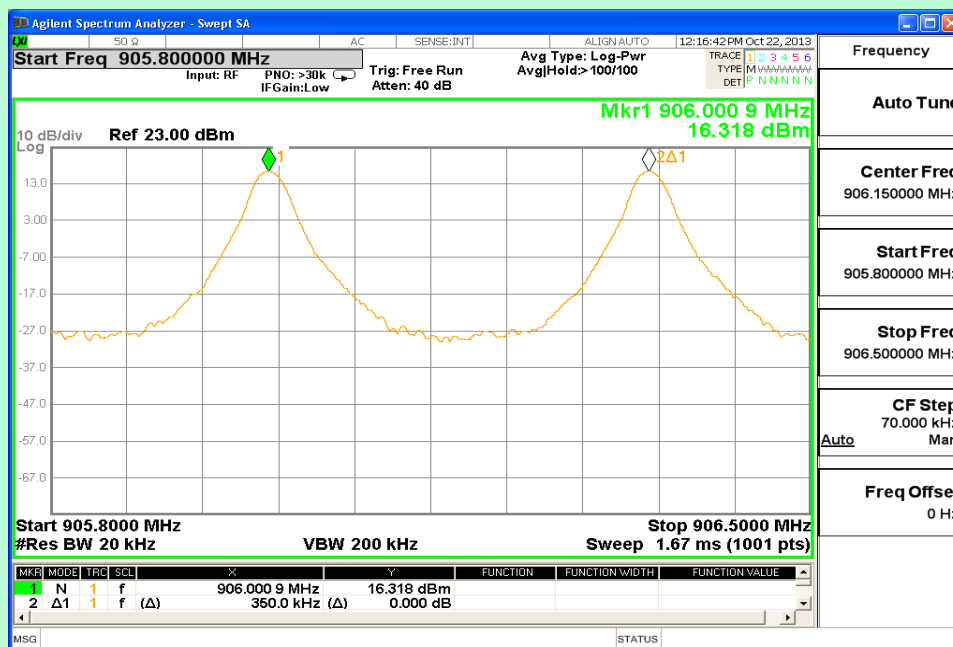
Channel 5 and 6



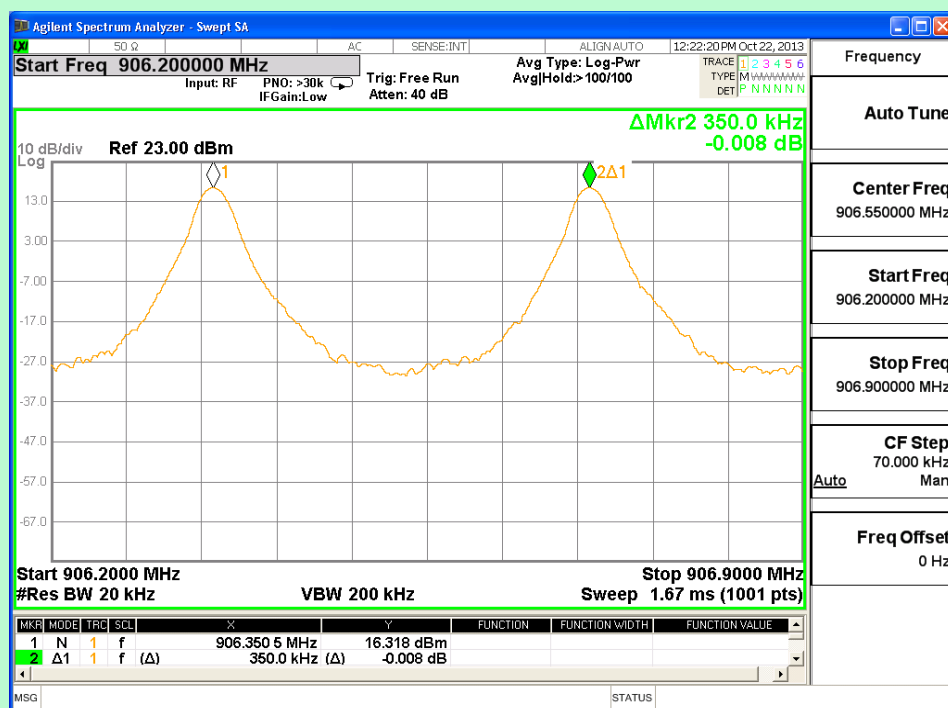
Channel 6 and 7



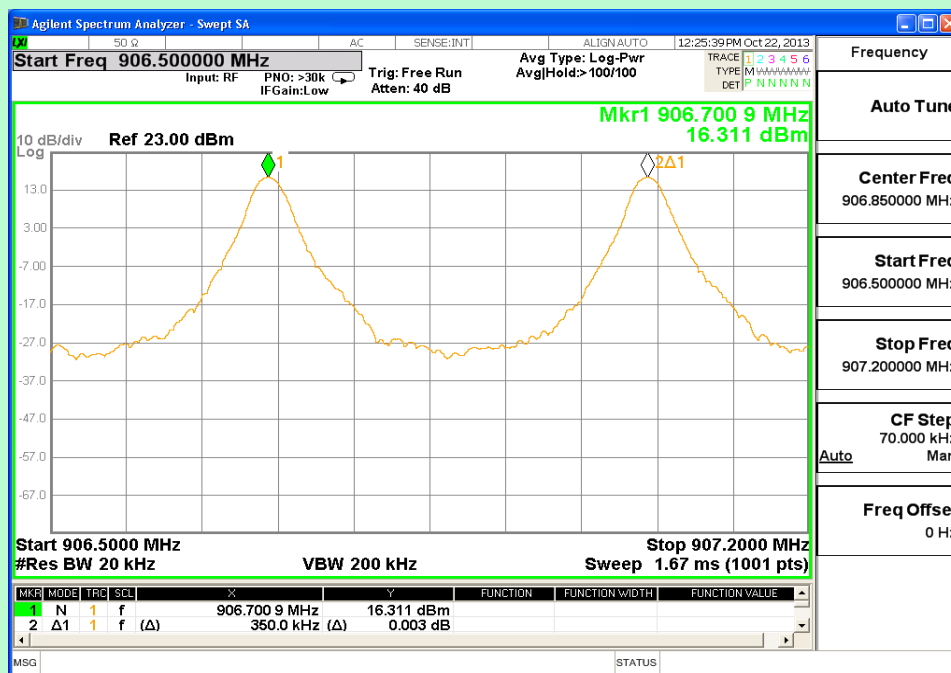
Channel 7 and 8



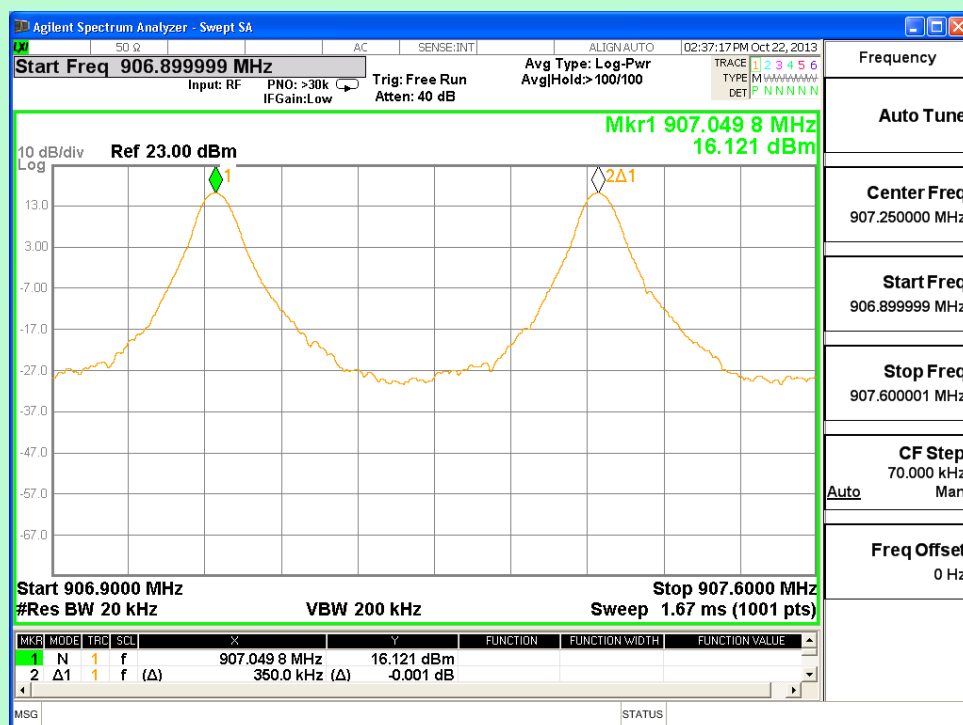
Channel 8 and 9



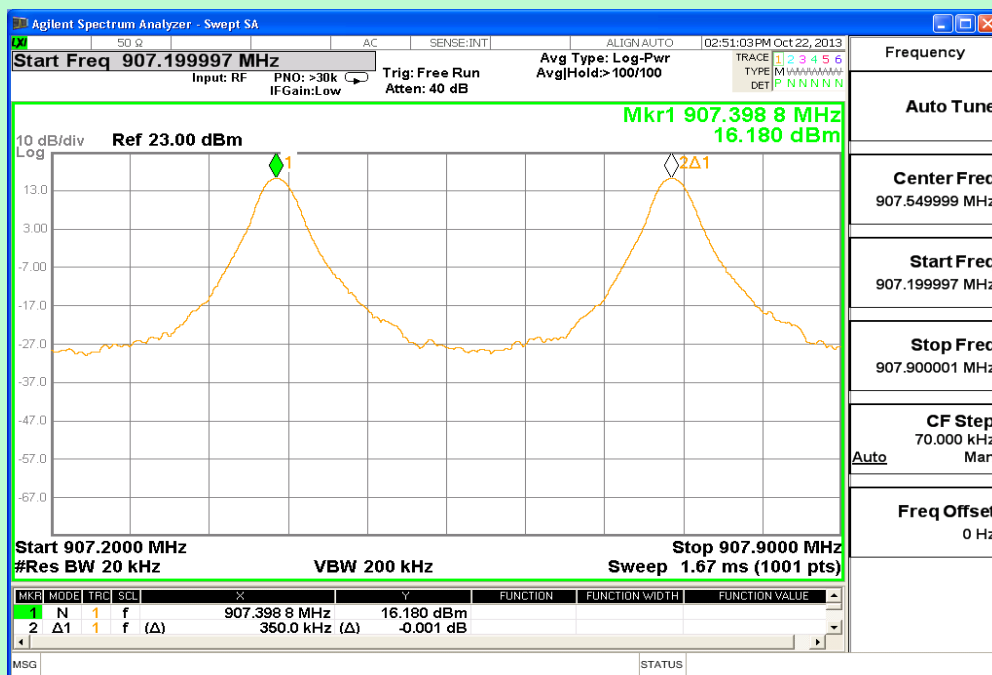
Channel 9 and 10



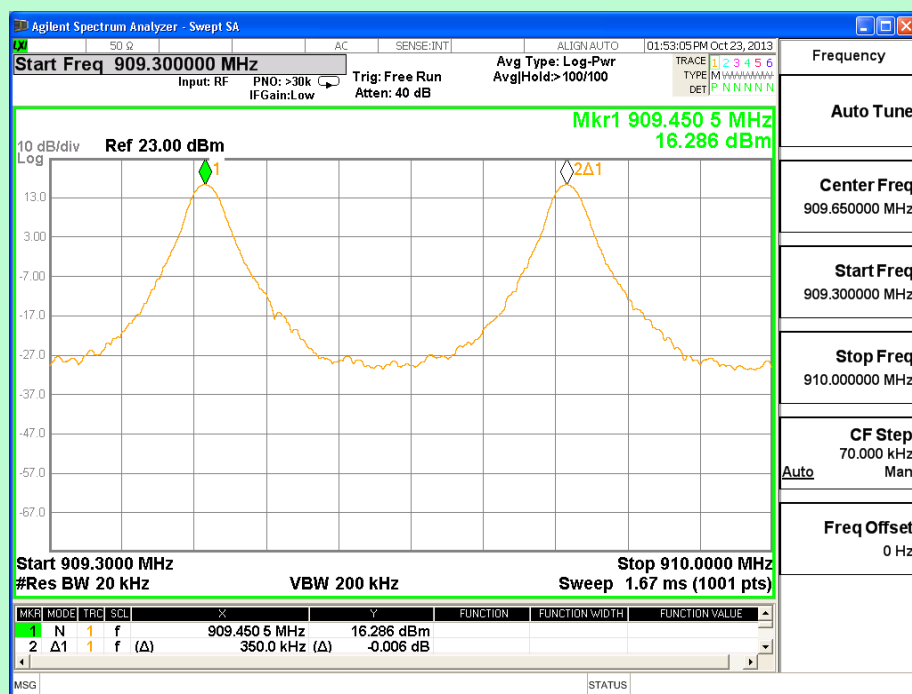
Channel 10 and 11



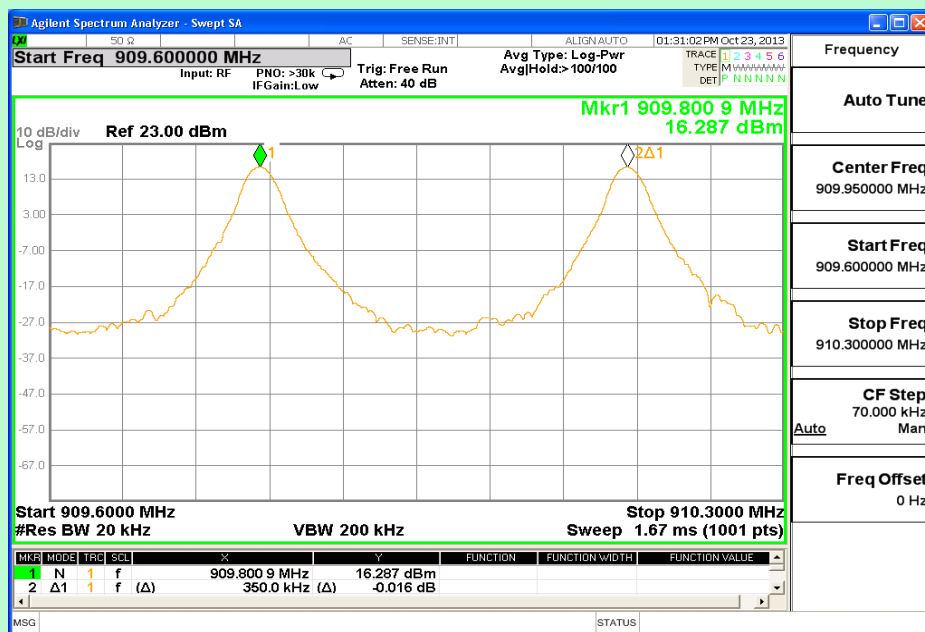
Channel 11 and 12



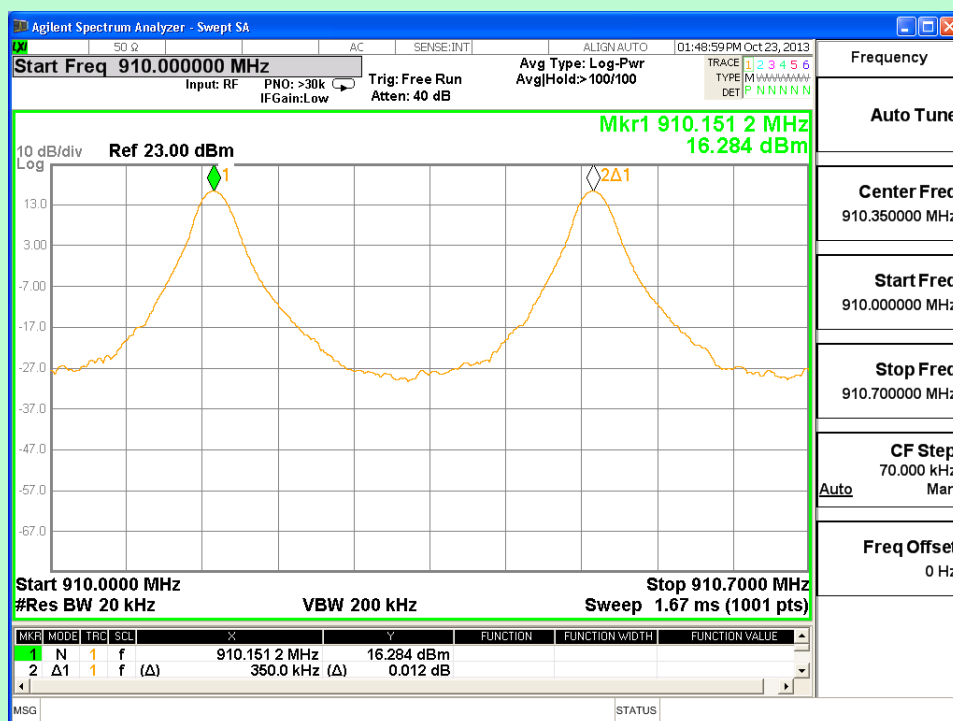
Channel 12 and 13



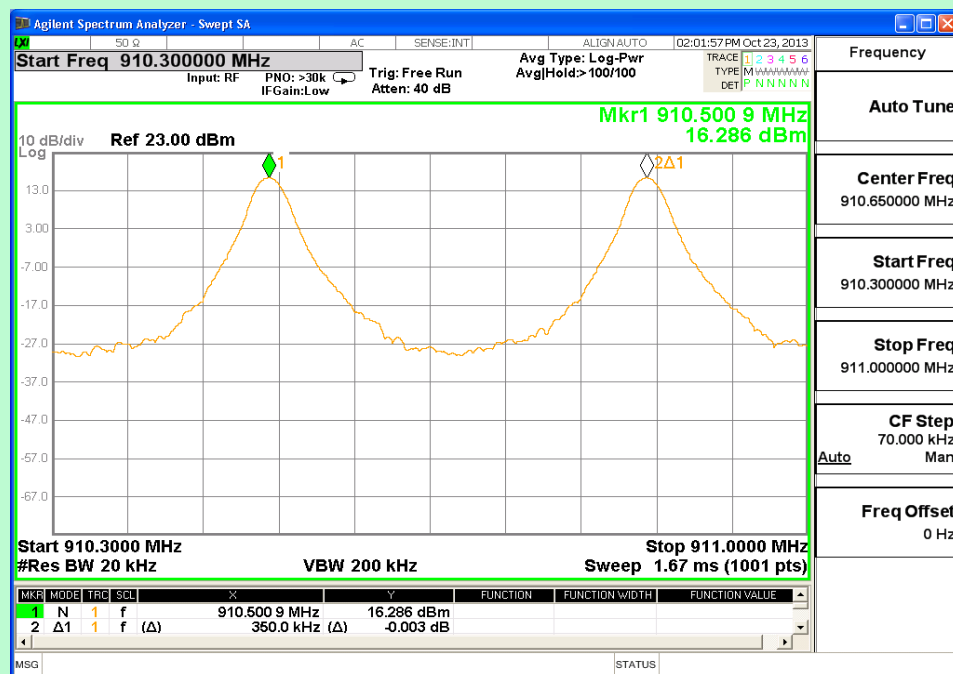
Channel 14 and 15



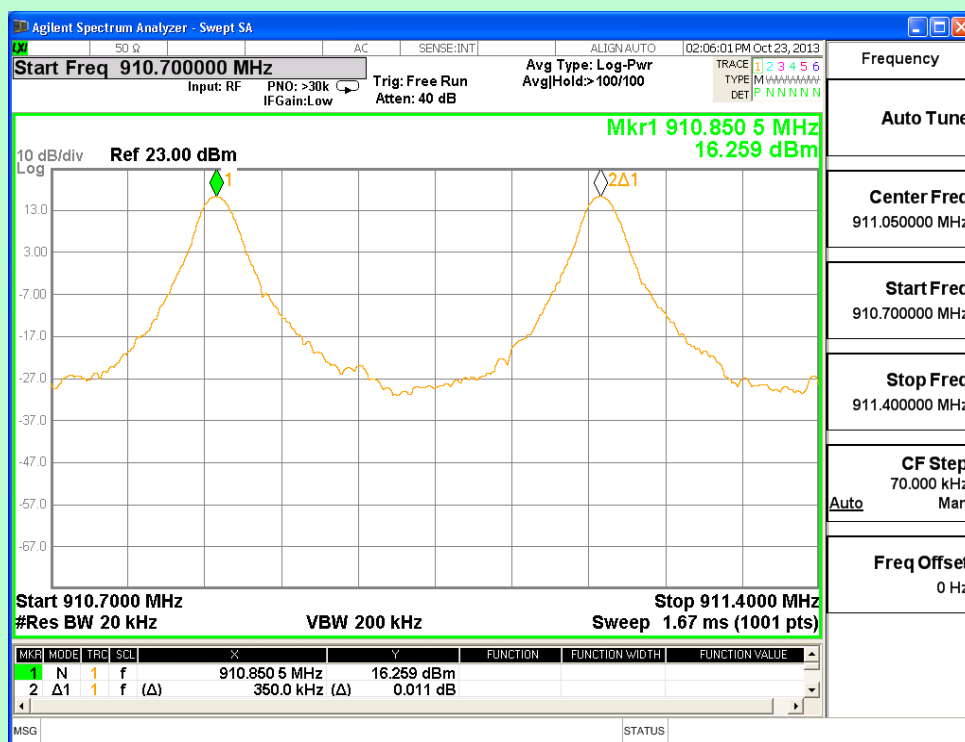
Channel 15 and 16



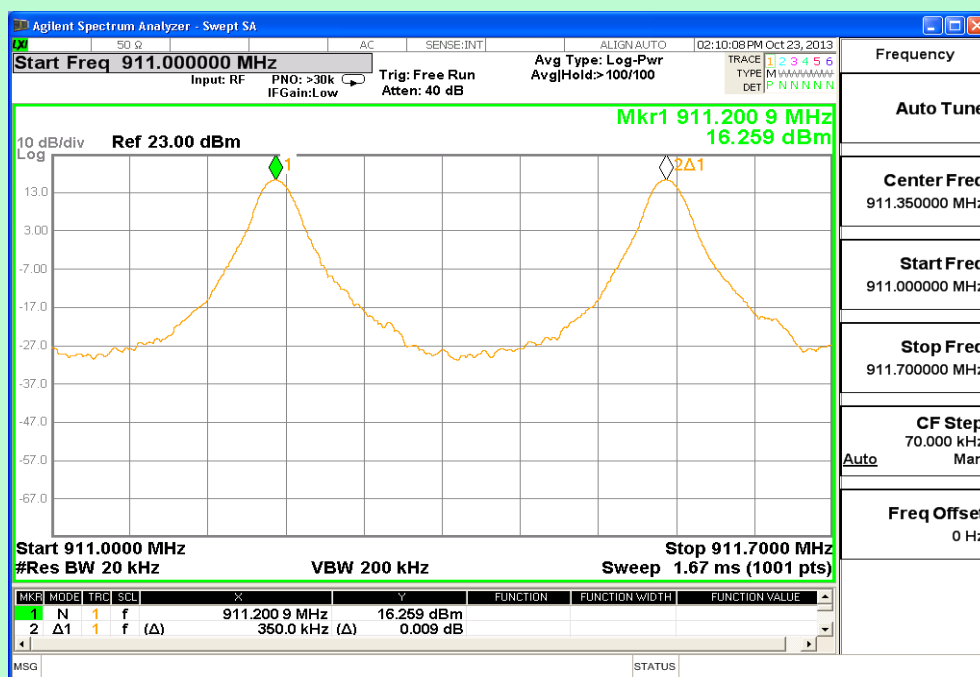
Channel 16 and 17



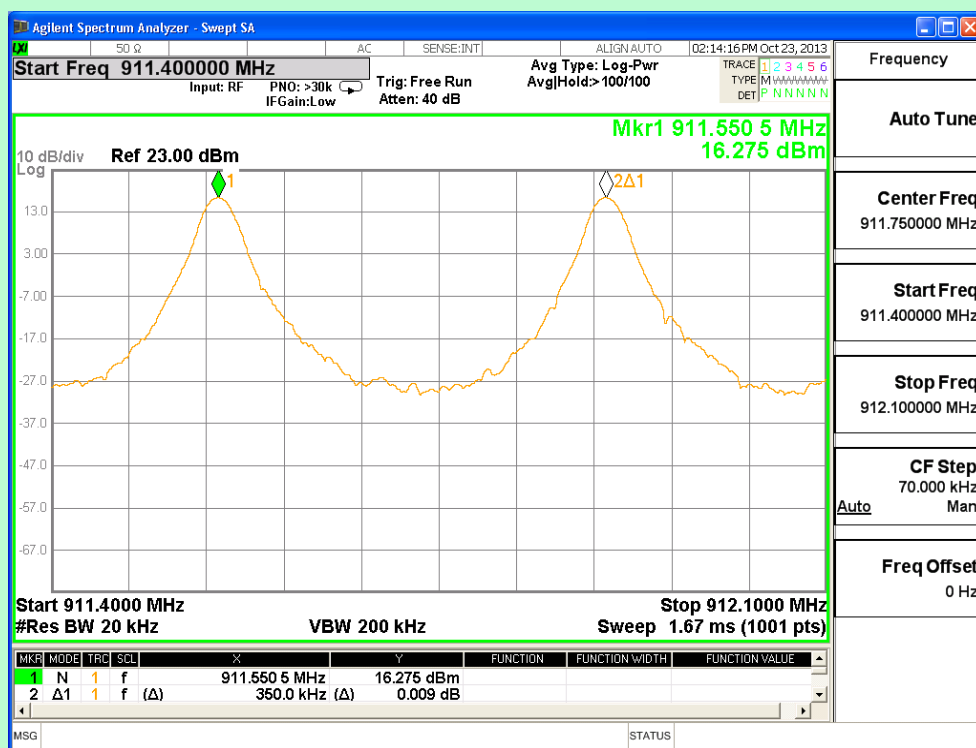
Channel 17 and 18



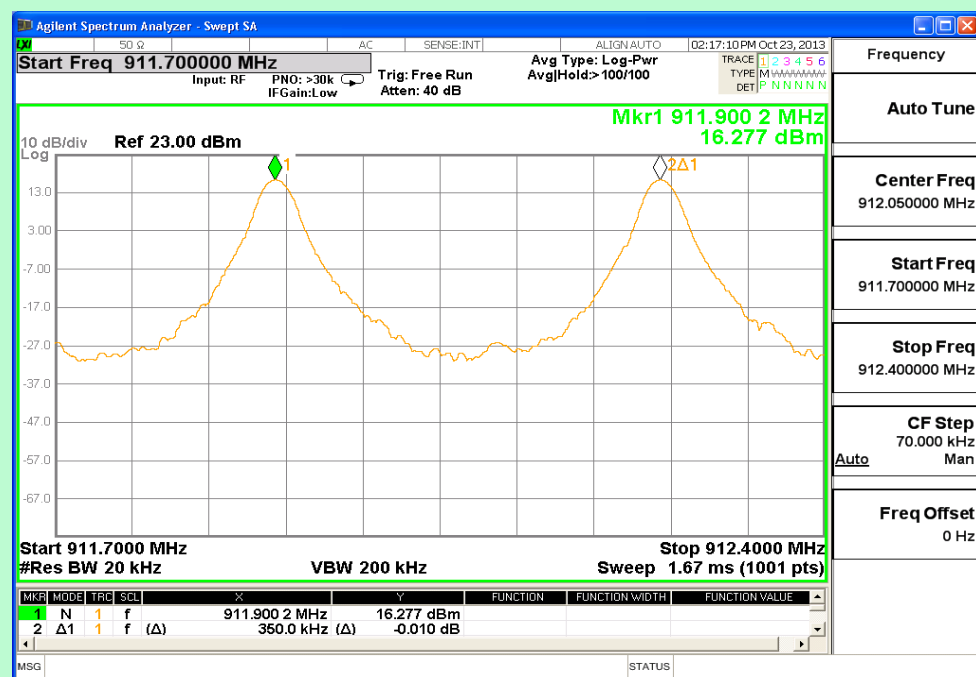
Channel 18 and 19



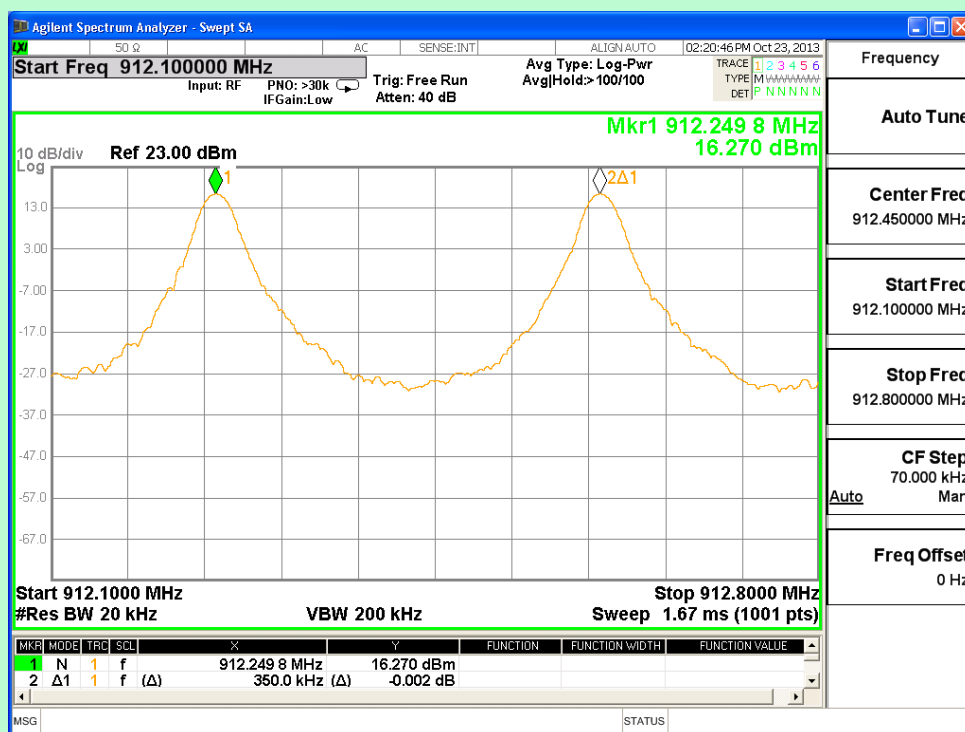
Channel 19 and 20



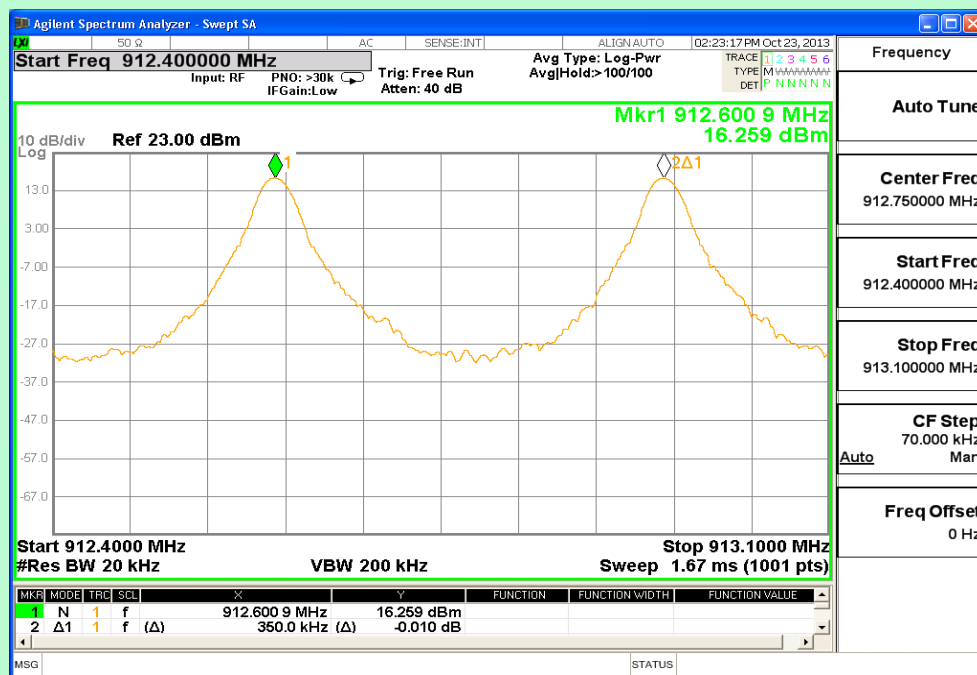
Channel 20 and 21



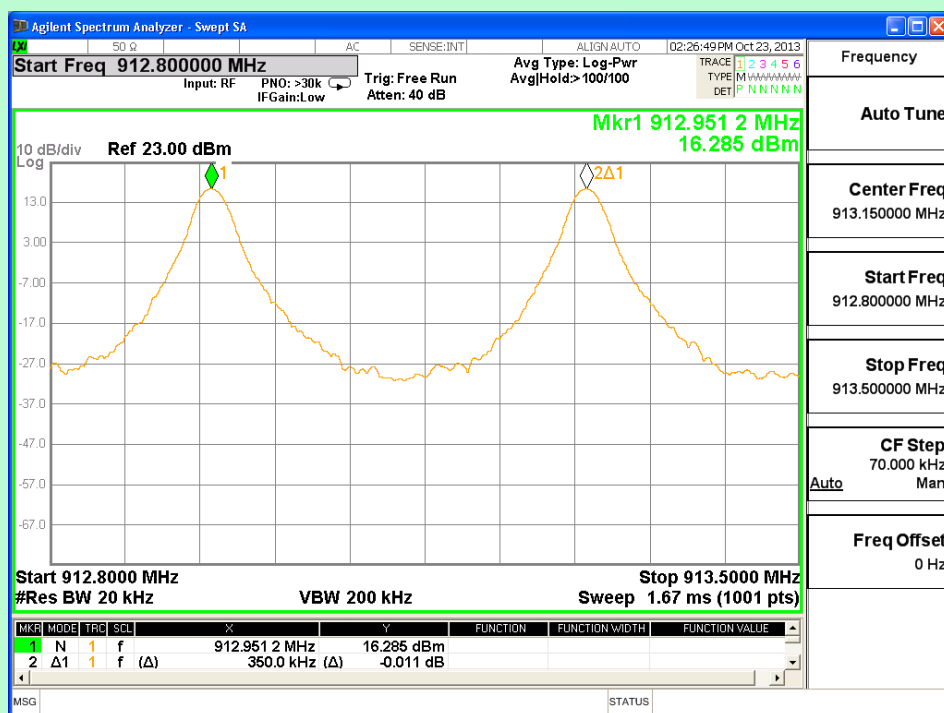
Channel 21 and 22



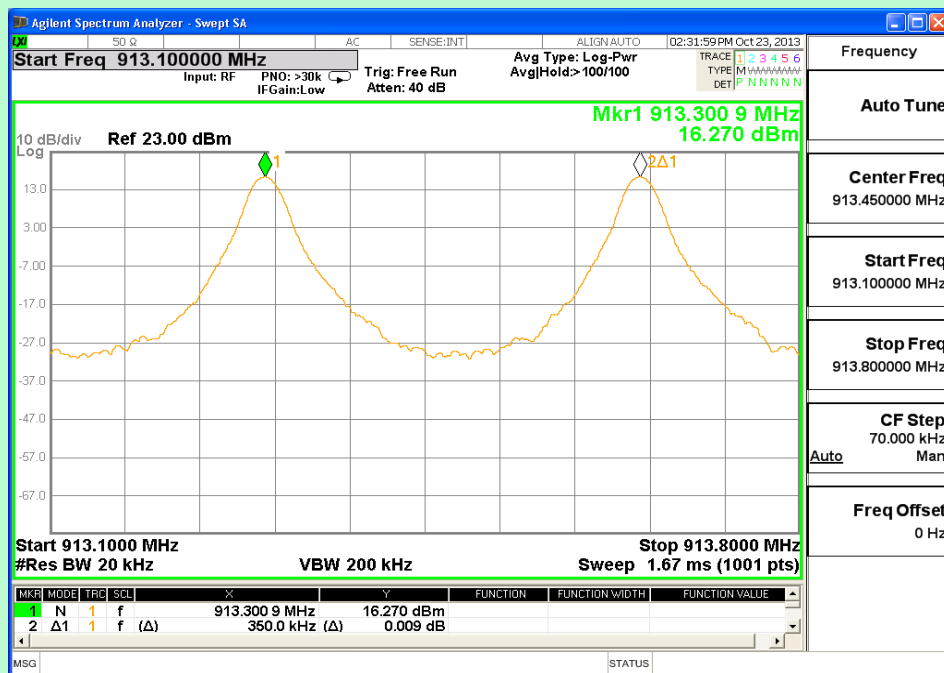
Channel 22 and 23



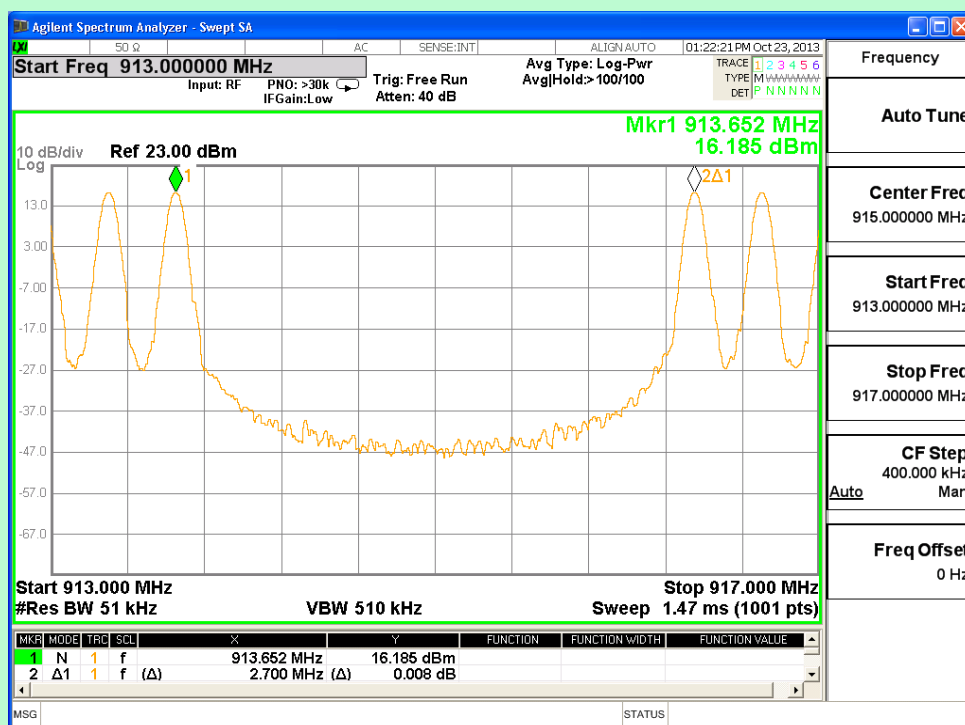
Channel 23 and 24



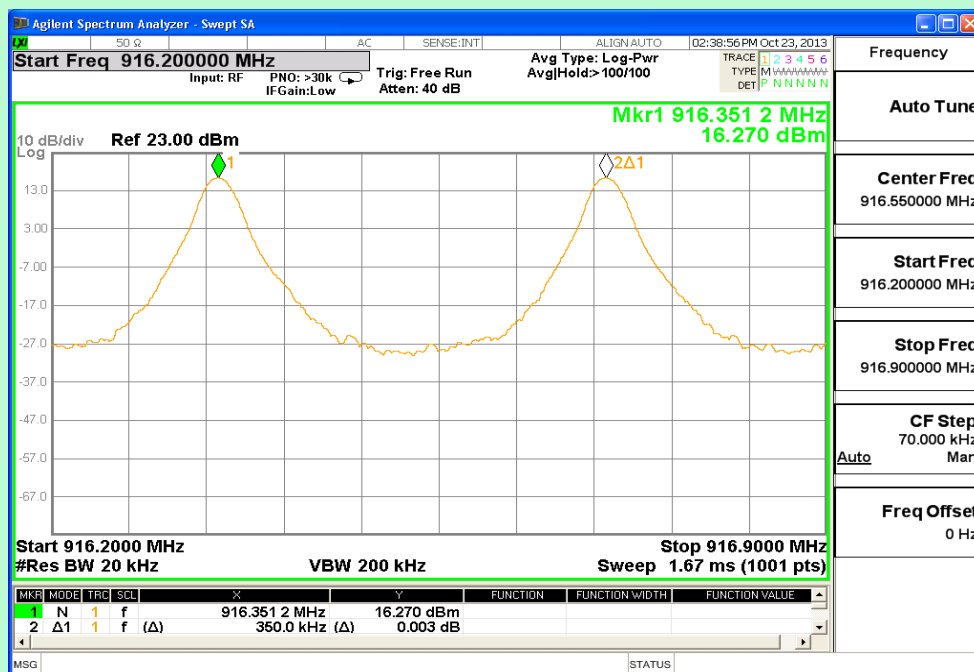
Channel 24 and 25



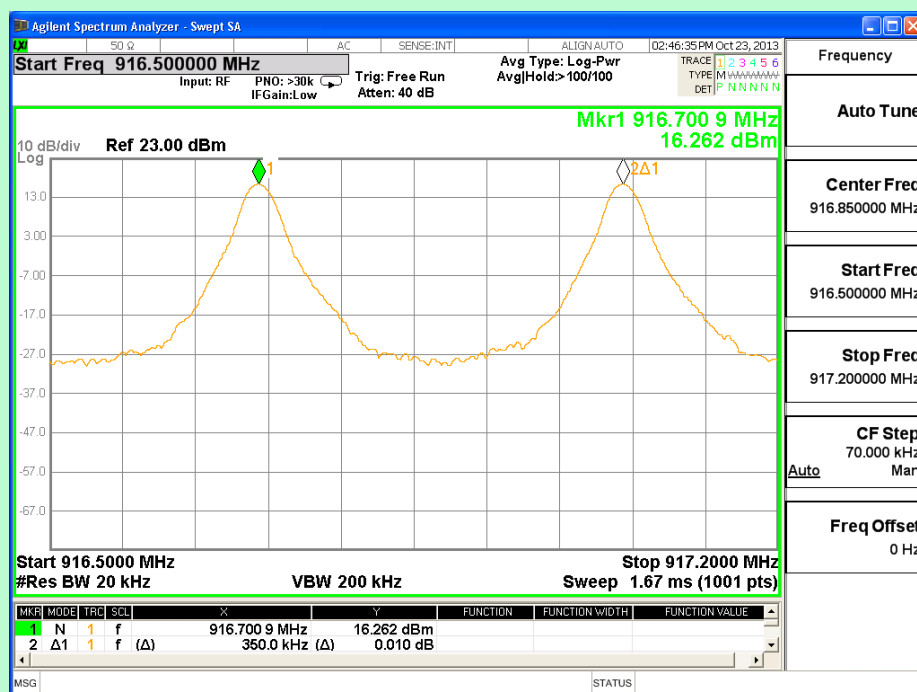
Channel 25 and 26



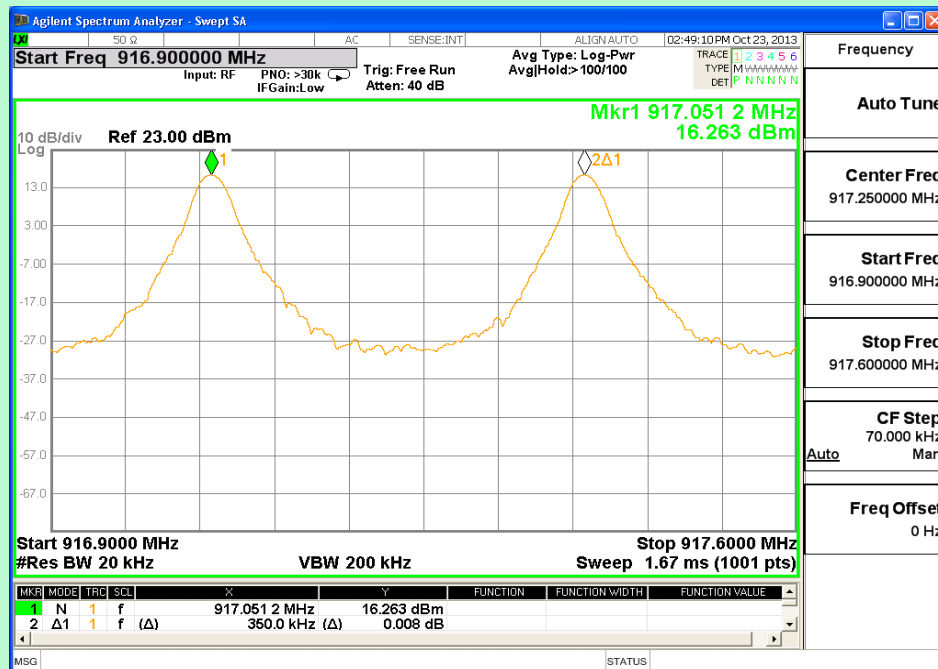
Channel 26 and 27



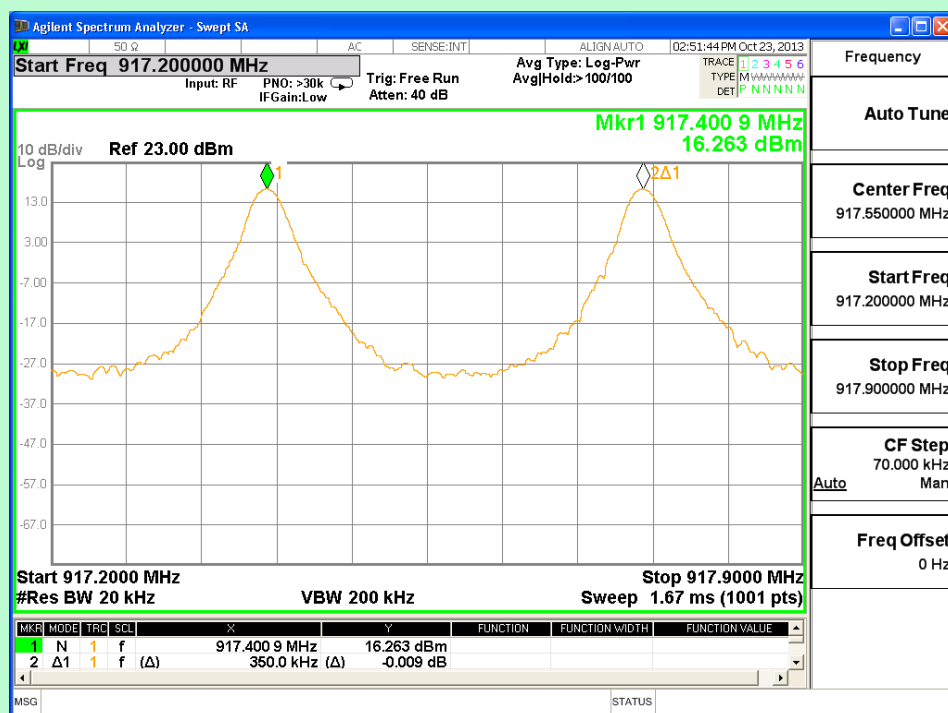
Channel 27 and 28



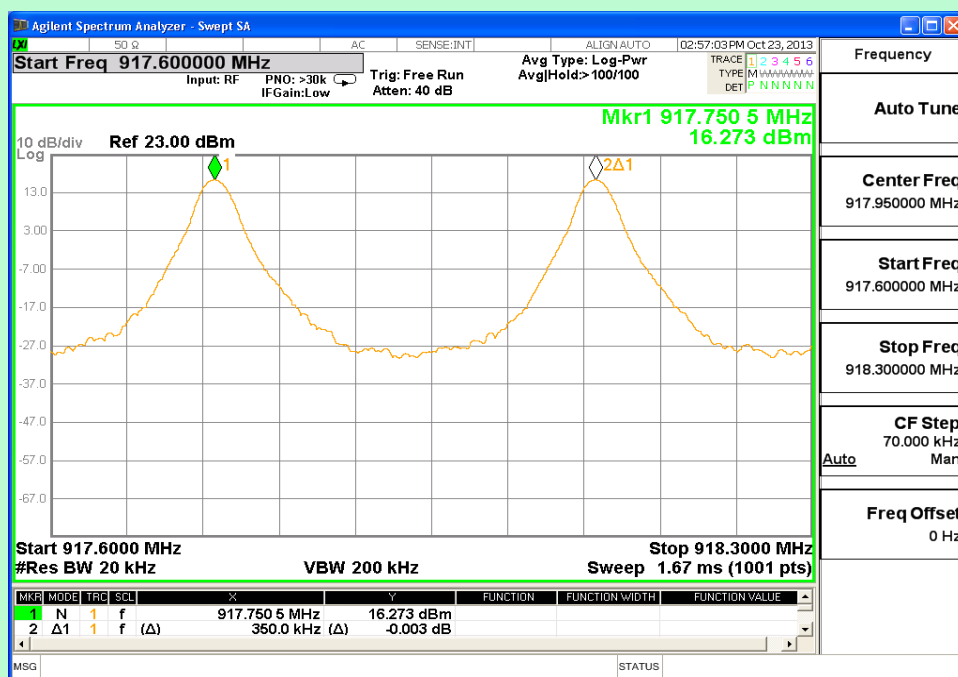
Channel 28 and 29



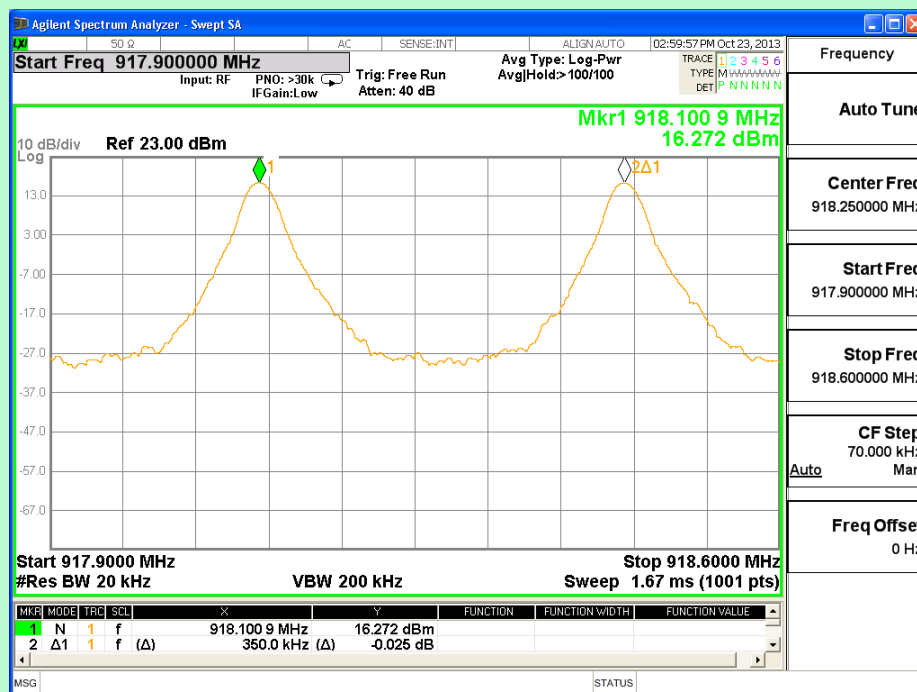
Channel 29 and 30



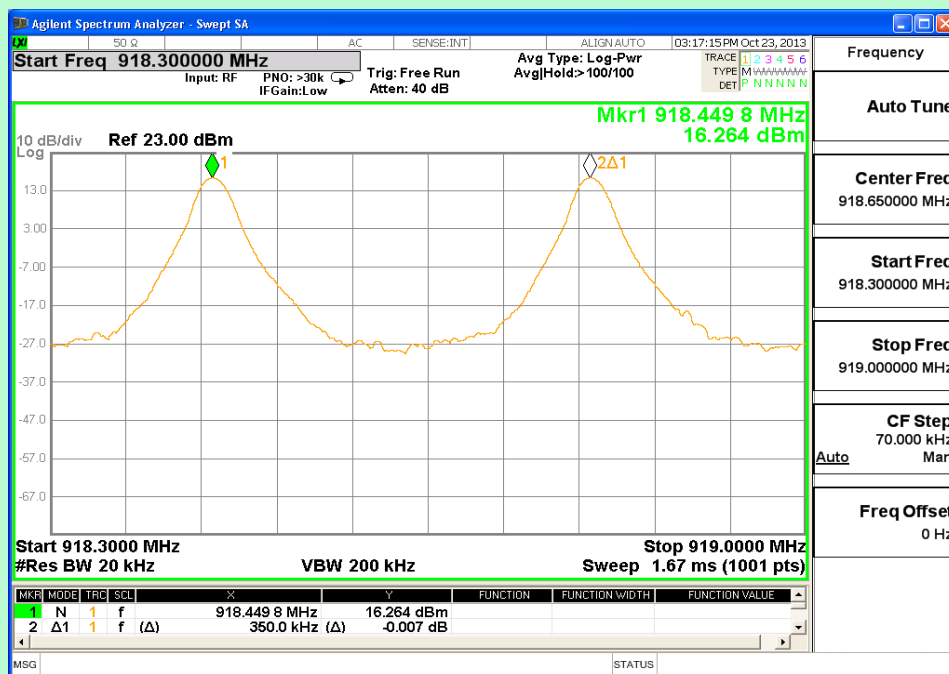
Channel 30 and 31



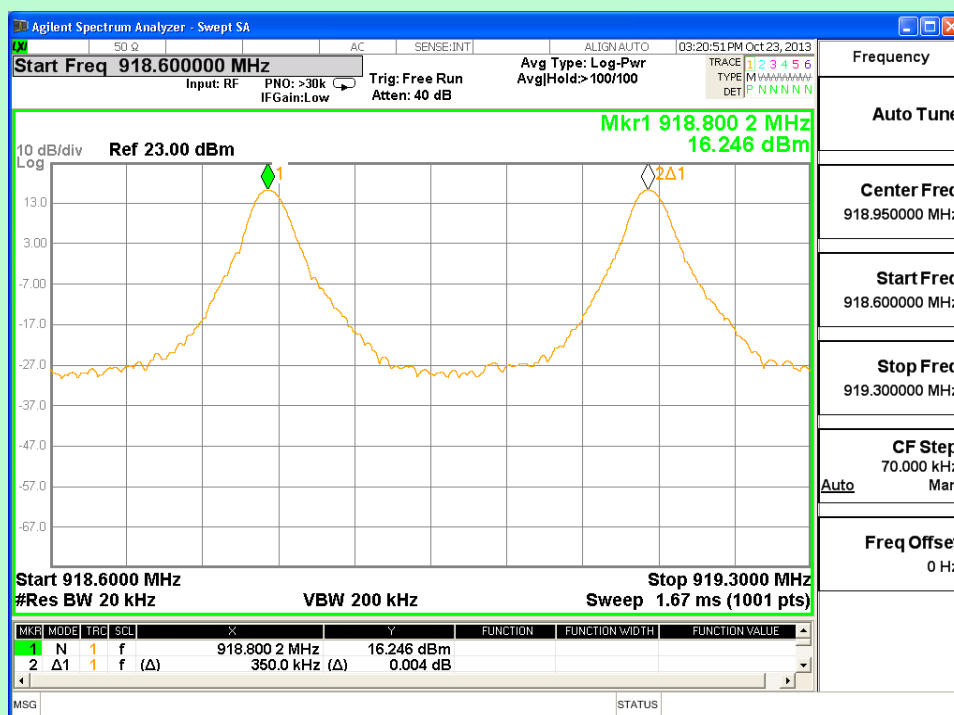
Channel 31 and 32



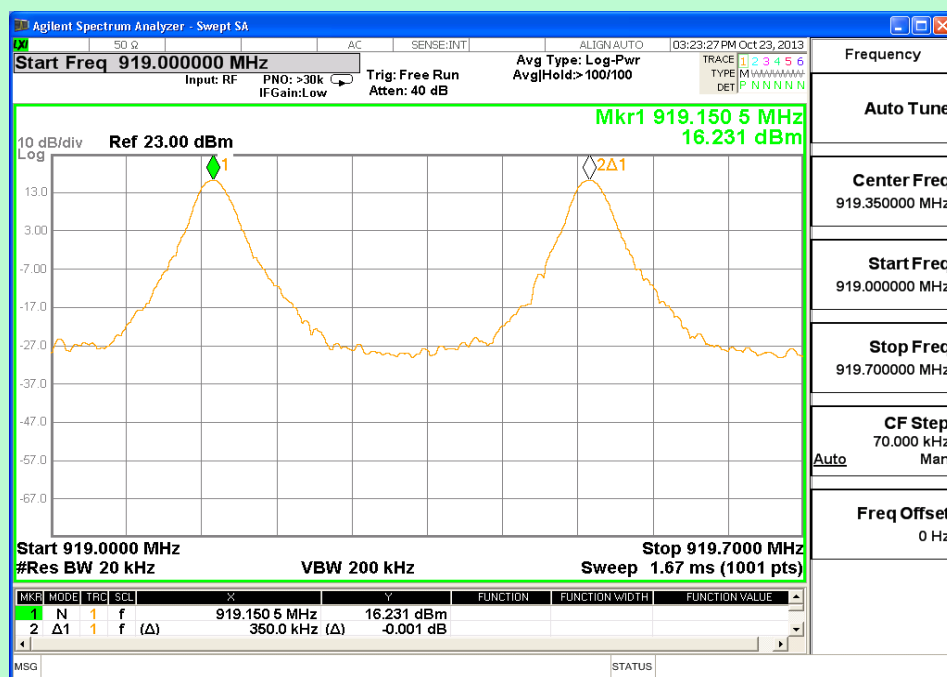
Channel 32 and 33



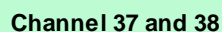
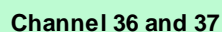
Channel 33 and 34

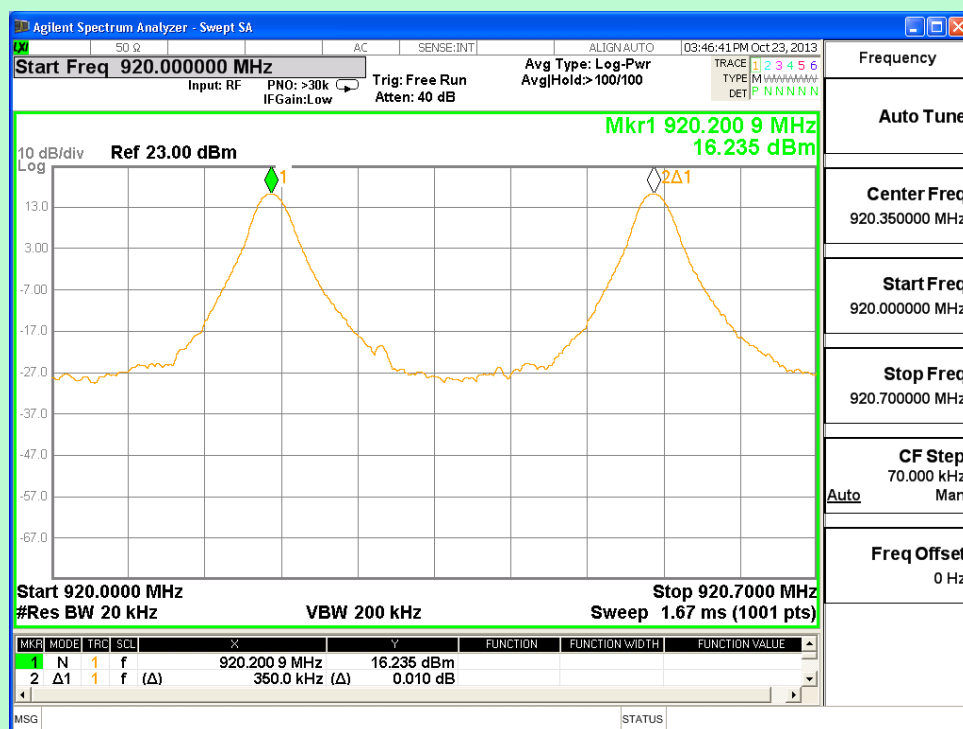


Channel 34 and 35

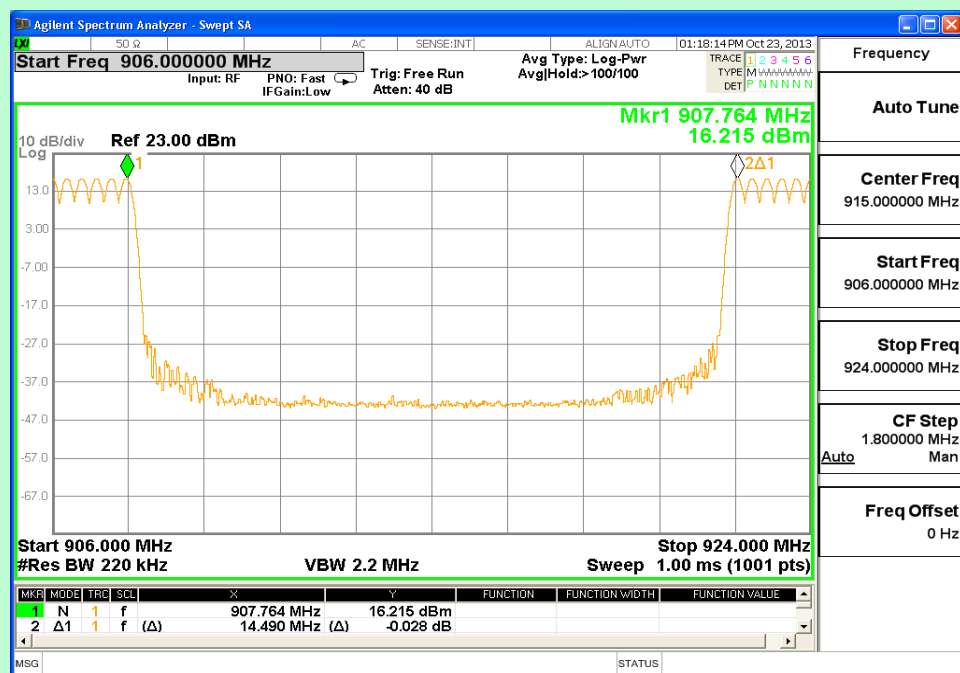


Channel 35 and 36

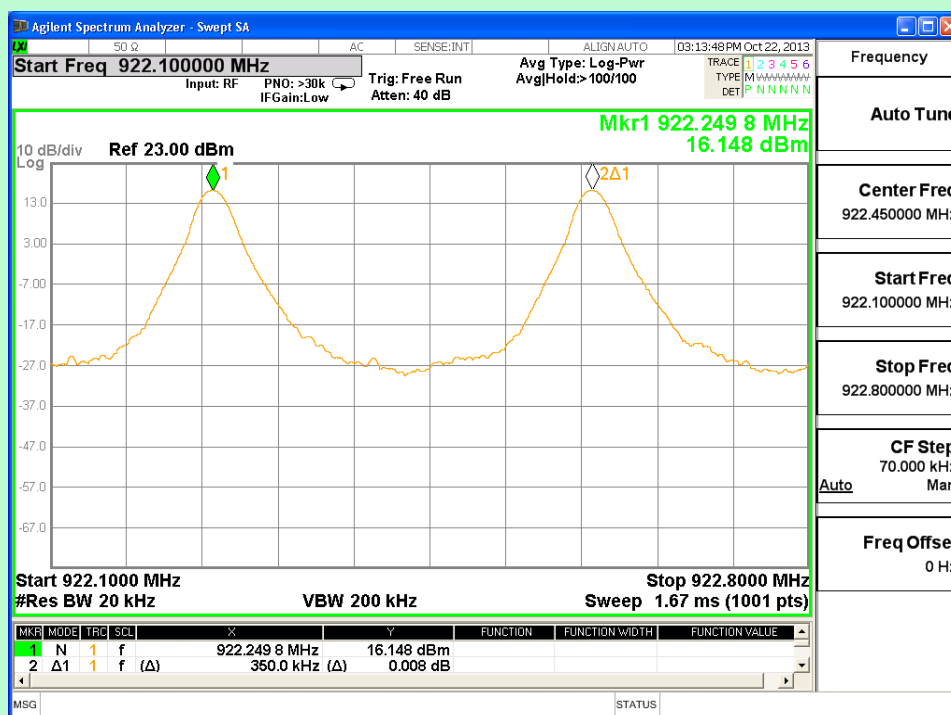




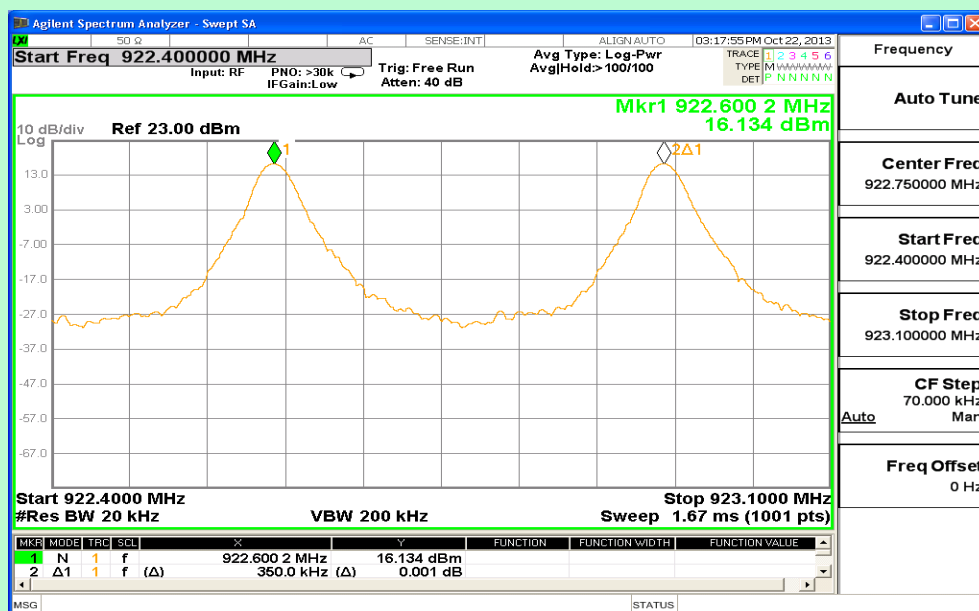
Channel 38 and 39



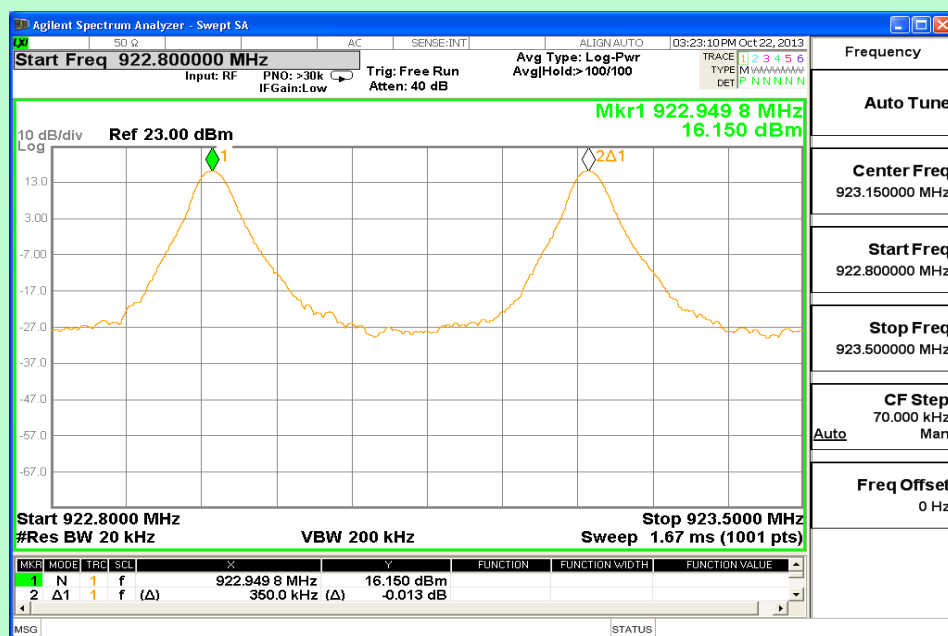
Channel 13 and 40



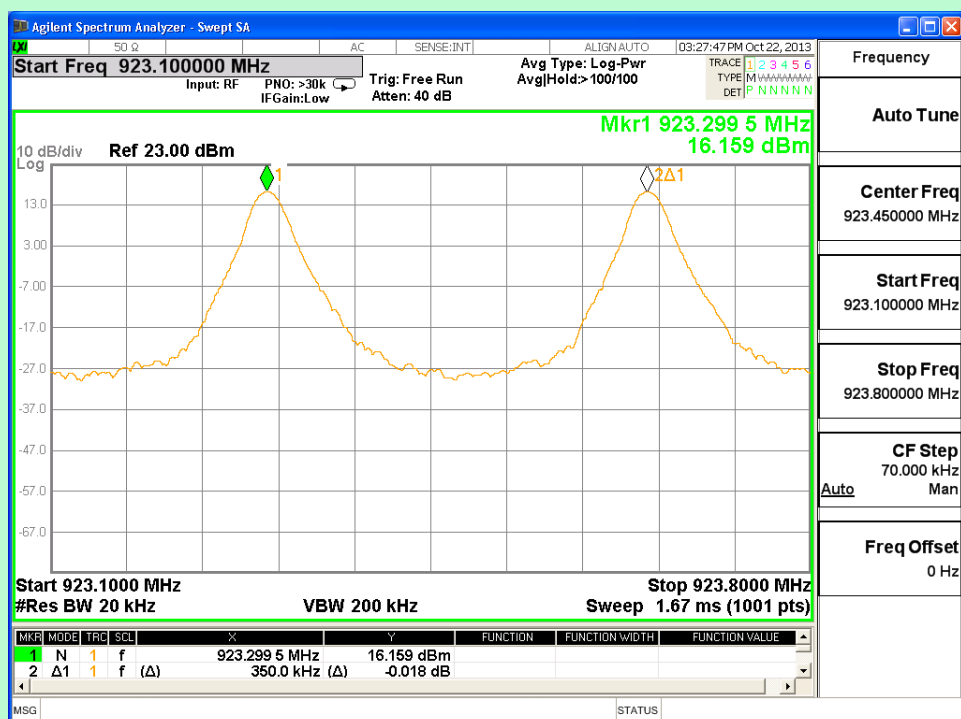
Channel 40 and 41



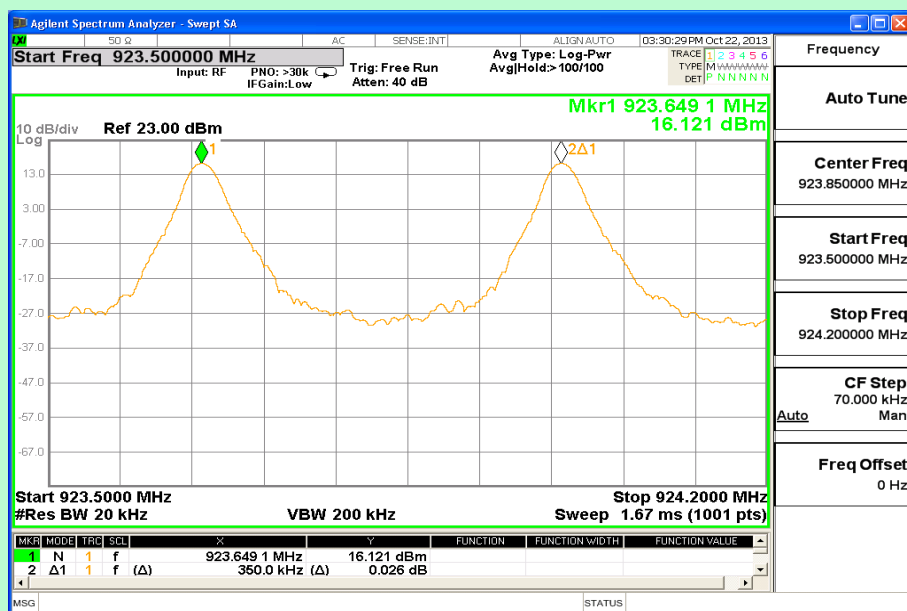
Channel 41 and 42



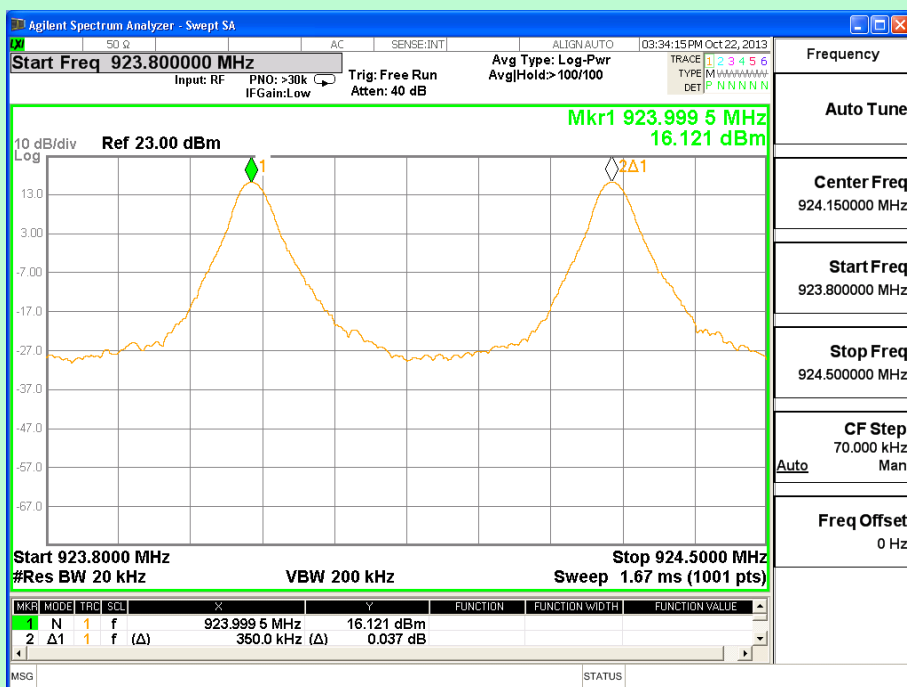
Channel 42 and 43



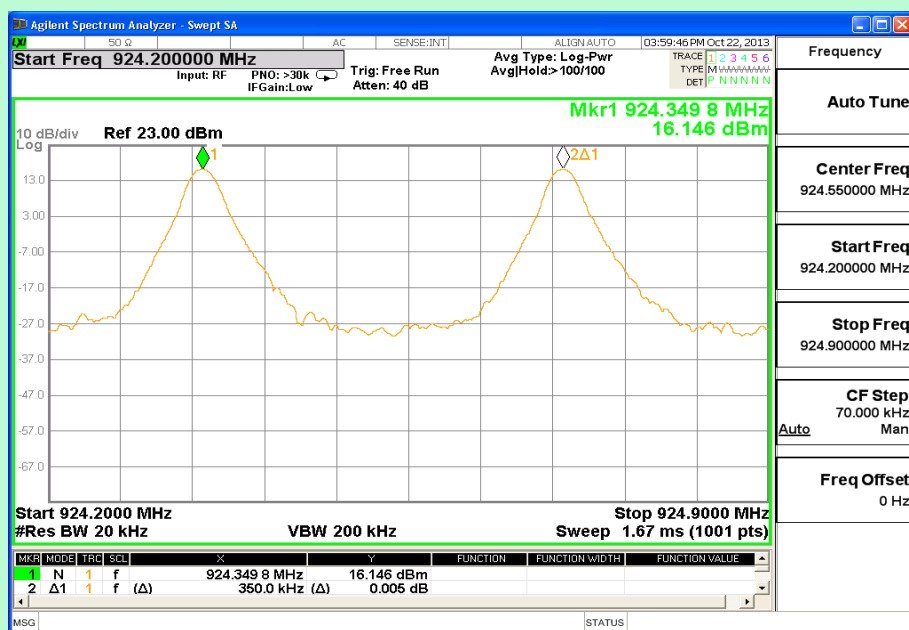
Channel 43 and 44



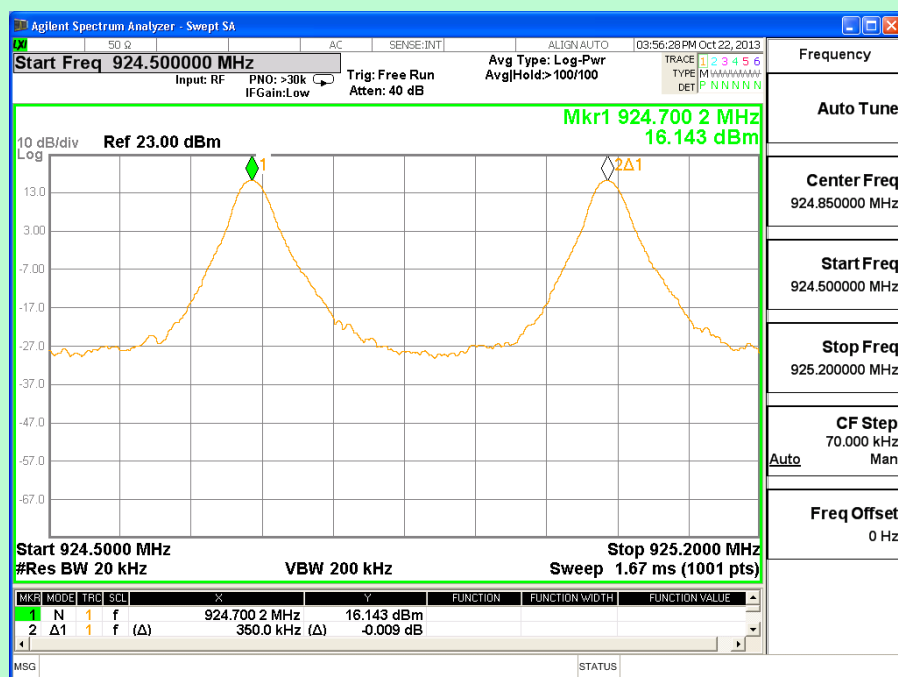
Channel 44 and 45



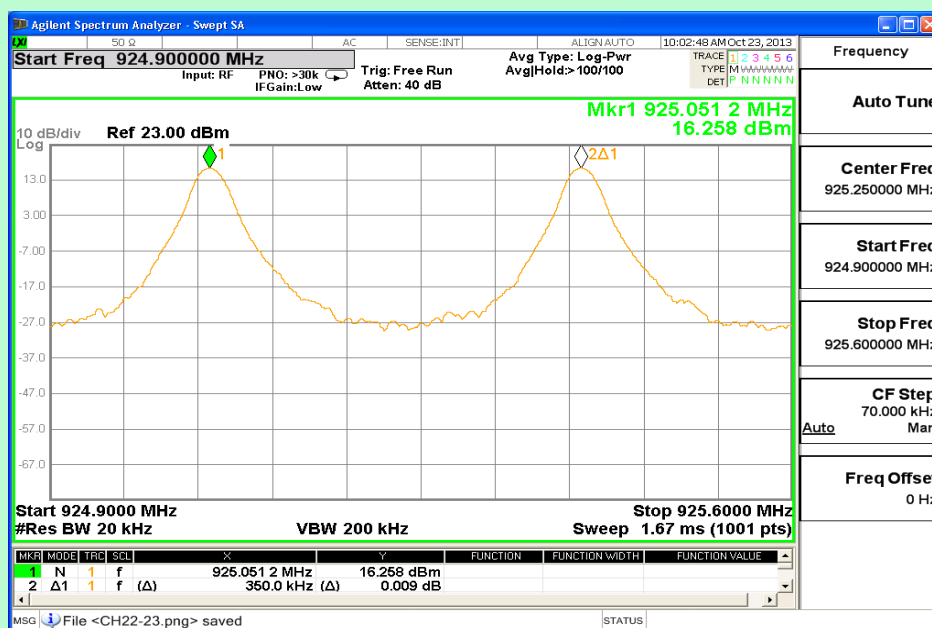
Channel 45 and 46



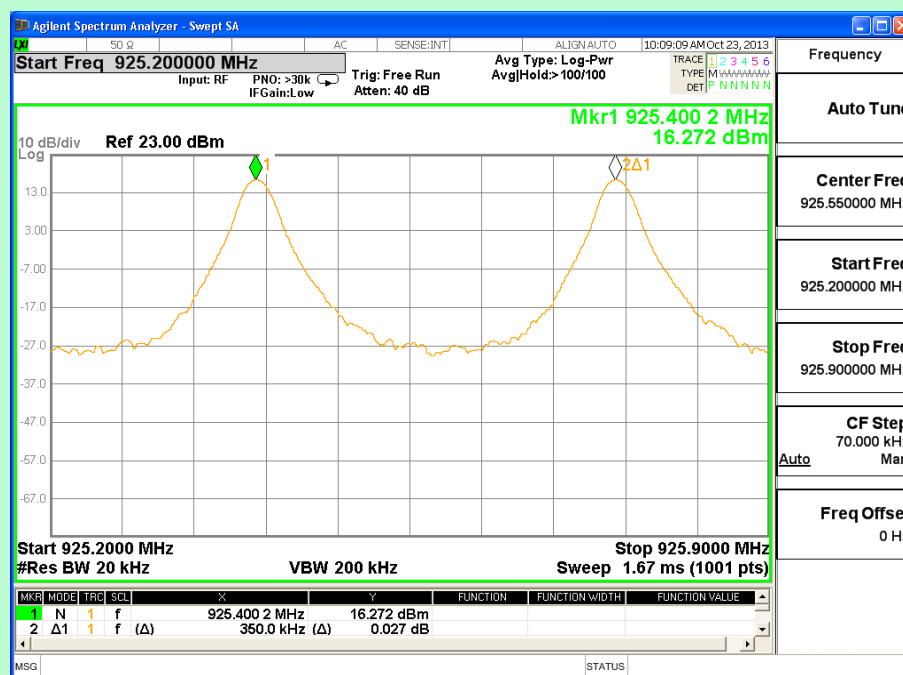
Channel 46 and 47



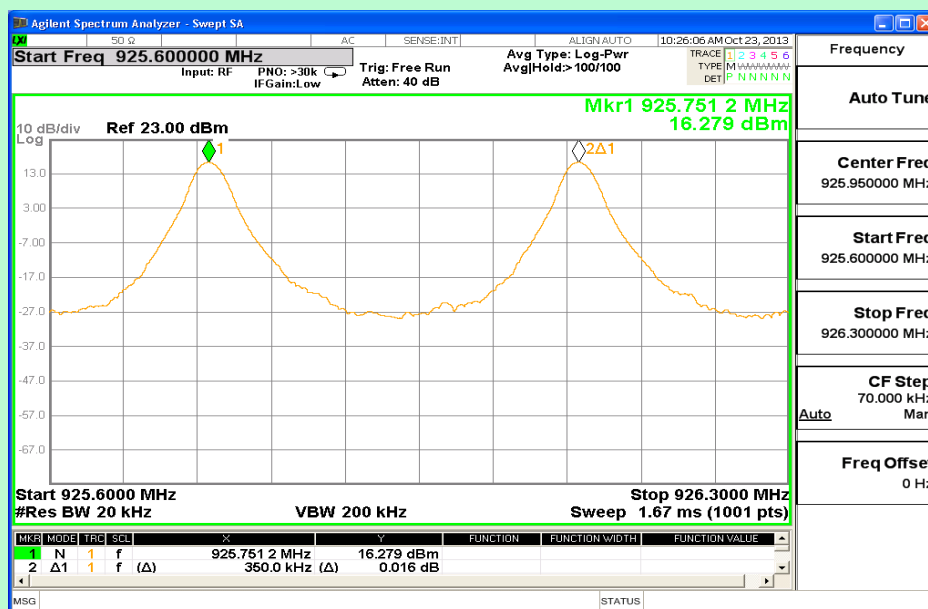
Channel 47 and 48



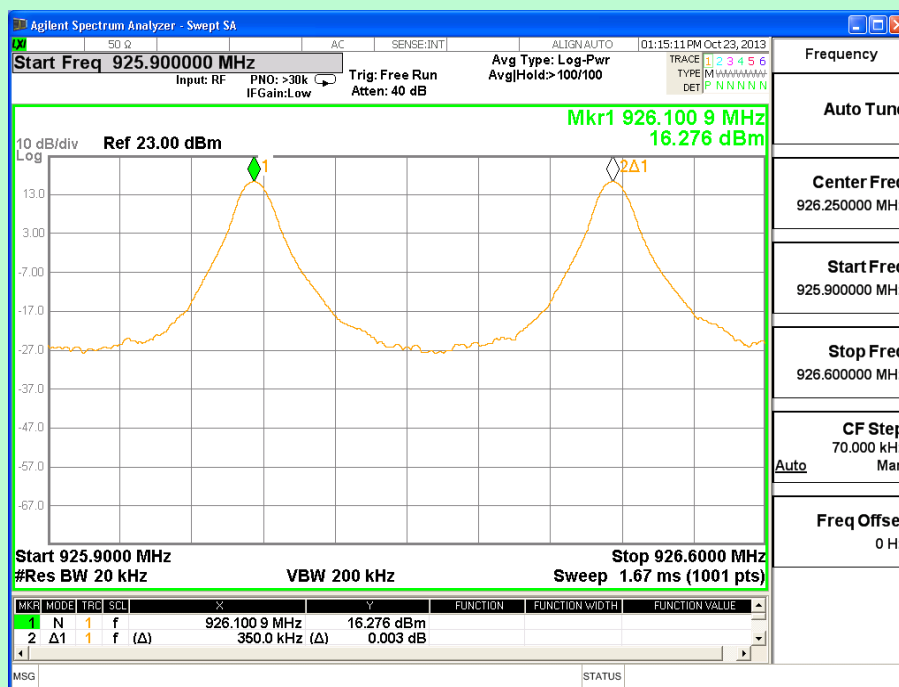
Channel 48 and 49



Channel 49 and 50



Channel 50 and 51



Channel 51 and 52

TEST RESULTS			
Channel No	Measured Value	Limit	Test Results
#	KHz		
1 and 2	350	>20dB BW	PA SS
2 and 3	350	>20dB BW	PA SS
3 and 4	350	>20dB BW	PA SS
4 and 5	350	>20dB BW	PA SS
5 and 6	350	>20dB BW	PA SS
6 and 7	350	>20dB BW	PA SS
7 and 8	350	>20dB BW	PA SS
8 and 9	350	>20dB BW	PA SS
9 and 10	350	>20dB BW	PA SS
10 and 11	350	>20dB BW	PA SS
11 and 12	350	>20dB BW	PA SS
12 and 13	350	>20dB BW	PA SS
14 and 15	350	>20dB BW	PA SS
15 and 16	350	>20dB BW	PA SS
16 and 17	350	>20dB BW	PA SS
17 and 18	350	>20dB BW	PA SS
18 and 19	350	>20dB BW	PA SS
19 and 20	350	>20dB BW	PA SS
20 and 21	350	>20dB BW	PA SS
21 and 22	350	>20dB BW	PA SS
22 and 23	350	>20dB BW	PA SS
23 and 24	350	>20dB BW	PA SS
24 and 25	350	>20dB BW	PA SS
25 and 26	350	>20dB BW	PA SS
26 and 27	2700	>20dB BW	PA SS
27 and 28	350	>20dB BW	PA SS
28 and 29	350	>20dB BW	PA SS
29 and 30	350	>20dB BW	PA SS
30 and 31	350	>20dB BW	PA SS
31 and 32	350	>20dB BW	PA SS
32 and 33	350	>20dB BW	PA SS
33 and 34	350	>20dB BW	PA SS
34 and 35	350	>20dB BW	PA SS
35 and 36	350	>20dB BW	PA SS
36 and 37	350	>20dB BW	PA SS
37 and 38	350	>20dB BW	PA SS
38 and 39	350	>20dB BW	PA SS
13 and 40	14508	>20dB BW	PA SS
40 and 41	350	>20dB BW	PA SS
41 and 42	350	>20dB BW	PA SS
42 and 43	350	>20dB BW	PA SS
43 and 44	350	>20dB BW	PA SS
44 and 45	350	>20dB BW	PA SS
45 and 46	350	>20dB BW	PA SS
46 and 47	350	>20dB BW	PA SS
47 and 48	350	>20dB BW	PA SS
49 and 50	350	>20dB BW	PA SS
50 and 51	350	>20dB BW	PA SS
51 and 52	350	>20dB BW	PA SS

TEST SETUP PHOTOGRAPHS

Refer Annexure -1

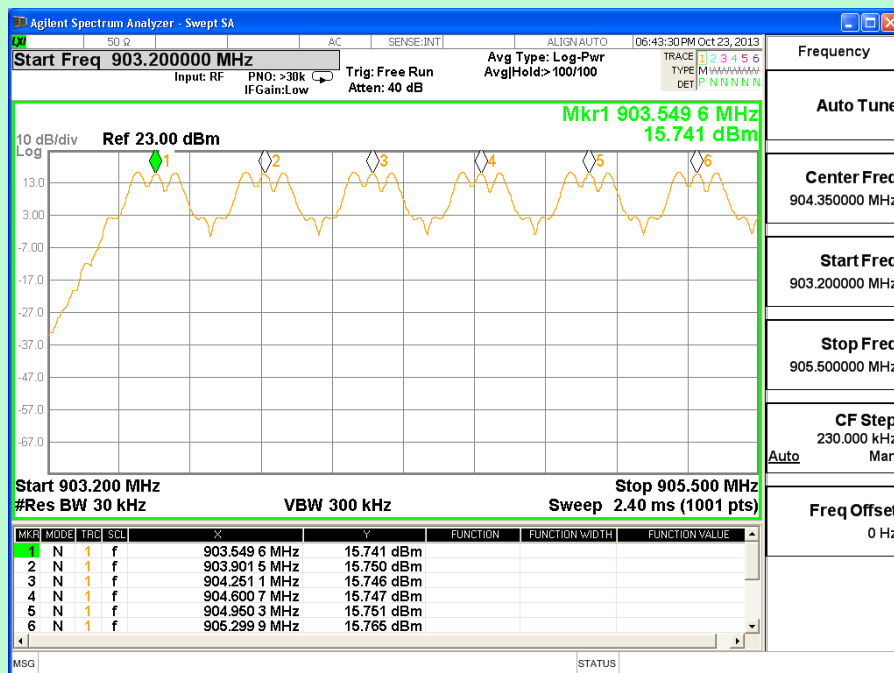
Conducted RF Test Setup

2.4 NUMBER OF HOPPING FREQUENCIES

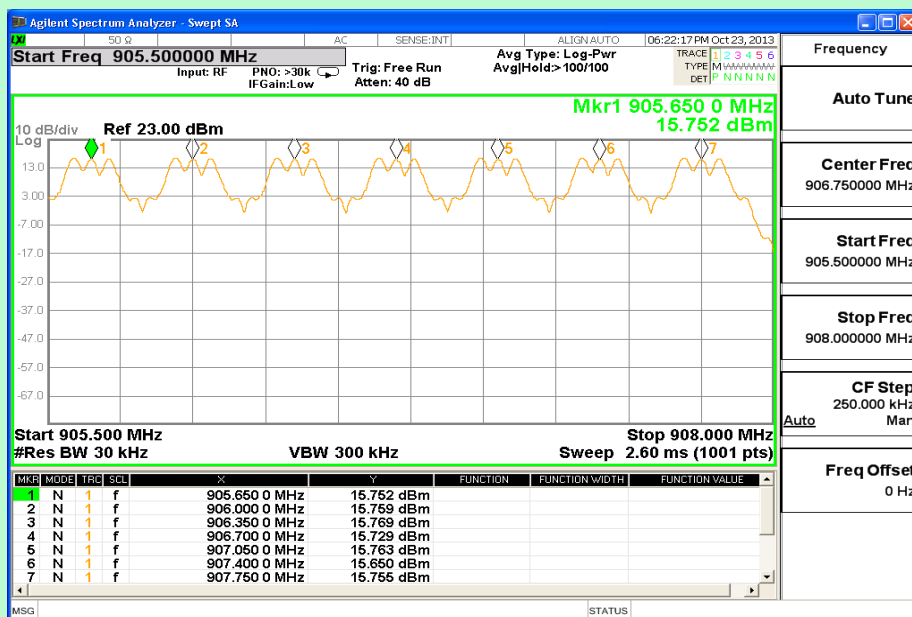
EUT Nomenclature	Wireless Smoke Detector	Test Report No.	EMC-0004-1
Model No.	FWD-200A CCLIMATE	Serial No.	05936
Test Start Date	23-Oct-2013	Temperature (°C)	23.2
Test End Date	23-Oct-2013	Humidity RH (%)	55.1
Tested By	Loganathan Joghee	Pressure (mbar)	NR
Input Voltage / Freq	3.3 Vdc		
Operating Mode	Refer Page 5 Operating Modes Table		
Test configuration	Refer Page 5 Test Configuration Table		
Deviation from Std	NA		
Applicable standard	FCC Part 15.247		
Test Method	DA 00-705		
Comment			
TEST DETAILS			
Method	<input checked="" type="checkbox"/> Conducted <input type="checkbox"/> Radiated		
TEST PARAMETERS			
Antenna Height	NA	Turntable Rotation	NA
Equipment Class	NA	Measurement Distance	NA

TEST EQUIPMENT					
Y/N	Equipment	Make	Model	Sl. No.	Cal Due Date
Y	Spectrum Analyzer	Agilent	N9010A	MY48031005	28-Nov-2014
Y	RF Cable	Huber- Suhner	SF104/2X11PC3542/500	NA	NA

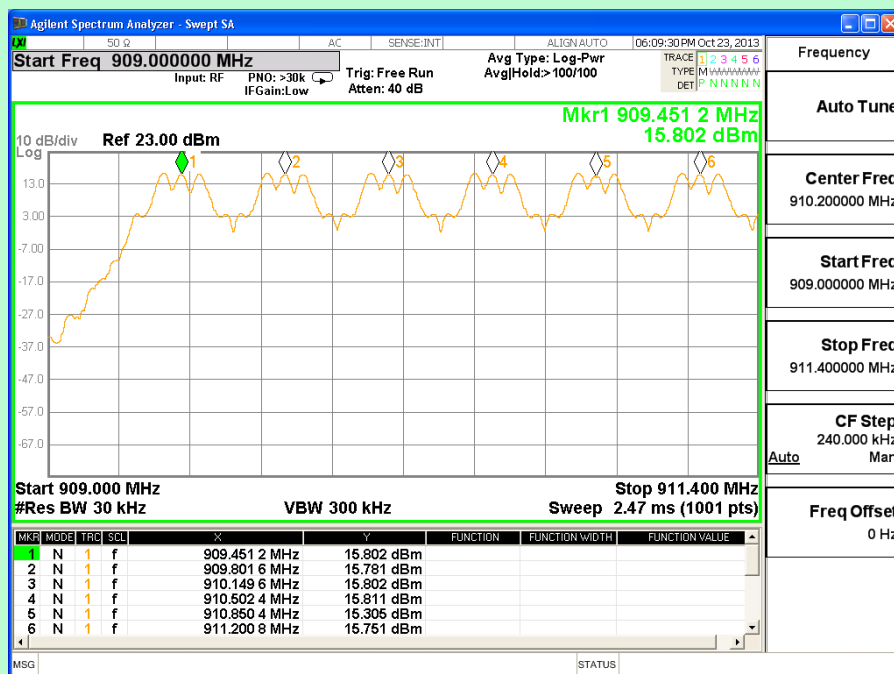
TEST GRAPHS



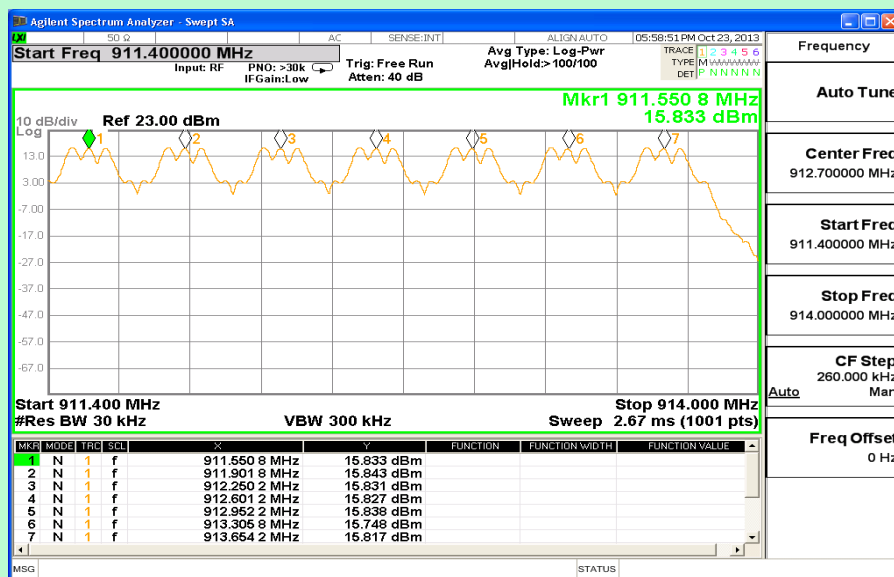
Channel 1 - 6 [Walkie-Talkie Mode]



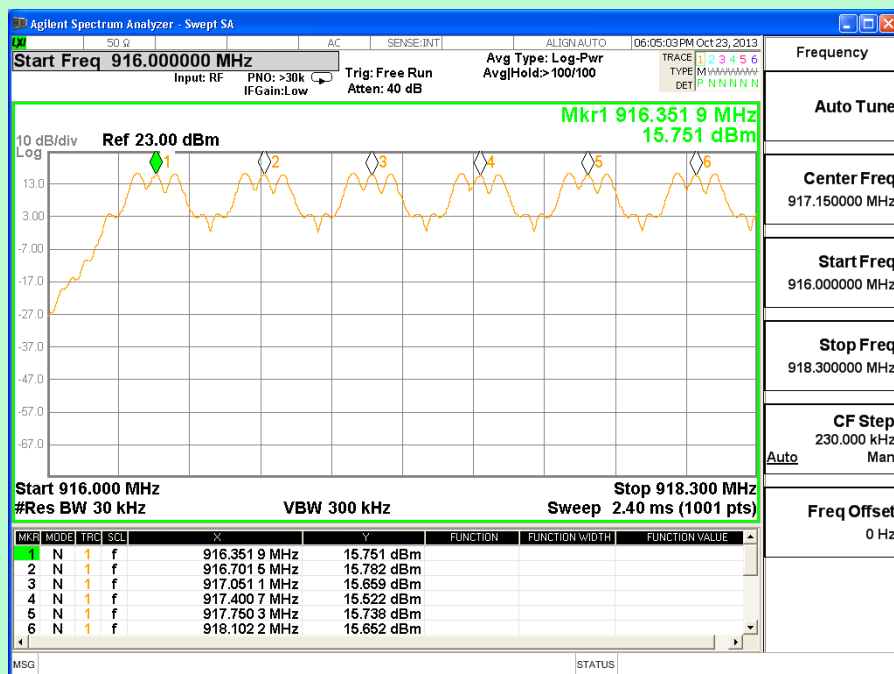
Channel 7 - 13 [Walkie-Talkie Mode]



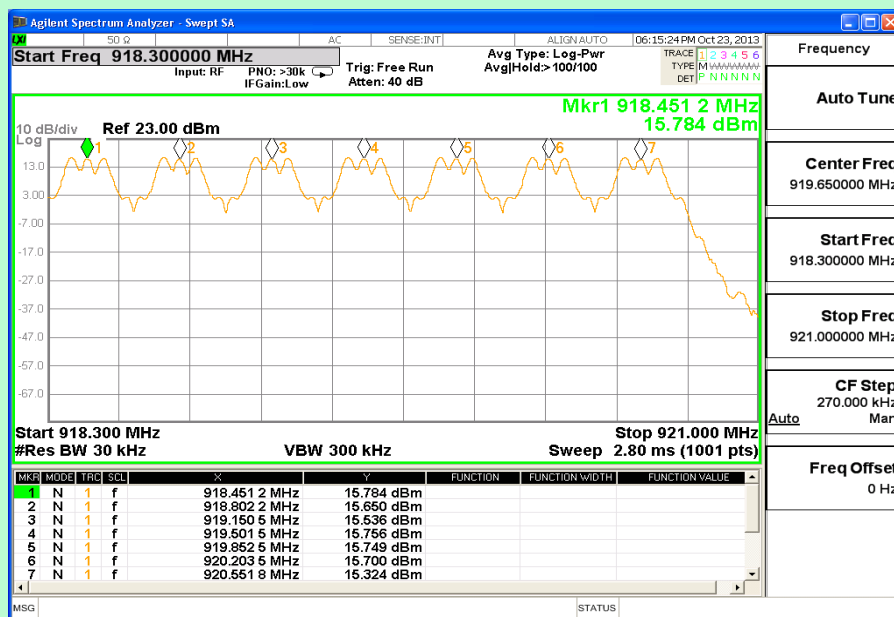
Channel 14 to 19 [Normal Mode]



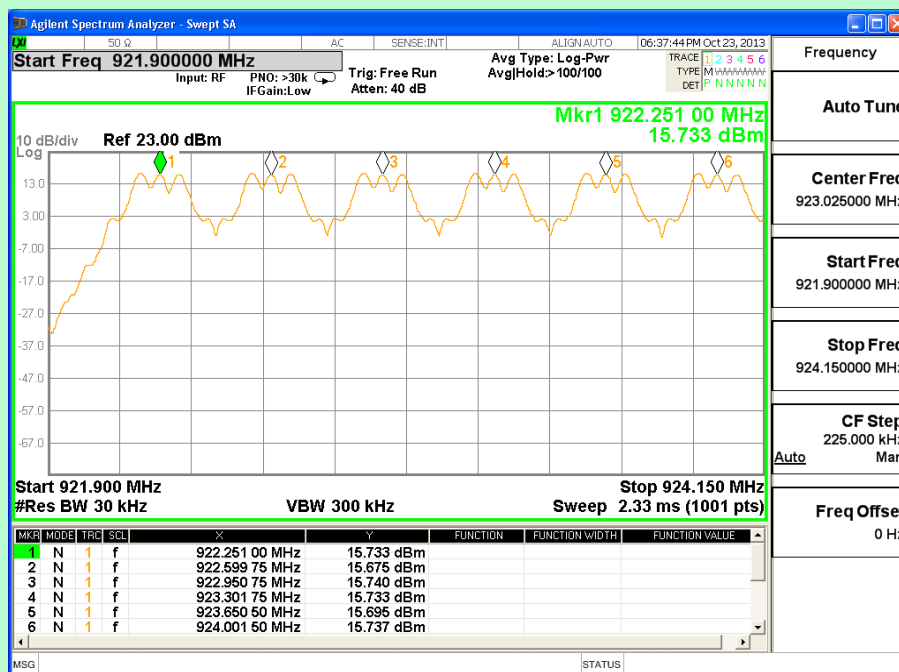
Channel 20 to 26 [Normal Mode]



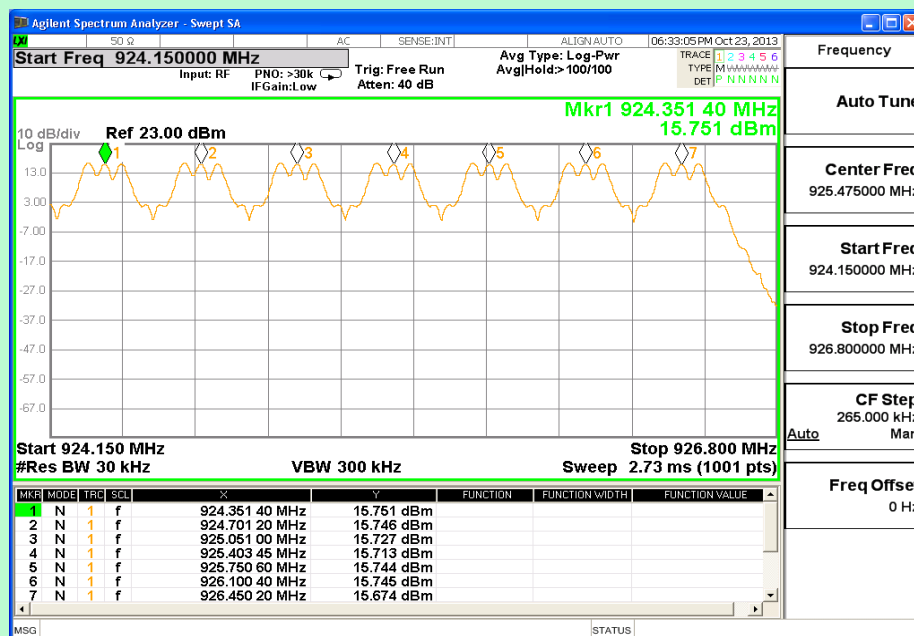
Channel 27 to 32 [Normal Mode]



Channel 33 to 39 [Normal Mode]



Channel 40 to 45 [Walkie-Talkie Mode]



Channel 46 to 52 [Walike-Talkie Mode]

TEST RESULTS

Mode of Operation	No. of Channels Measured	Limit (No. of Channels)	Test Results
#	#	#	
Normal Mode	26	≥ 25	PASS
Walkie-Talkie Mode	26	≥ 25	PASS

TEST SETUP PHOTOGRAPHS

Refer Annexure-1
Conducted RF Test Setup

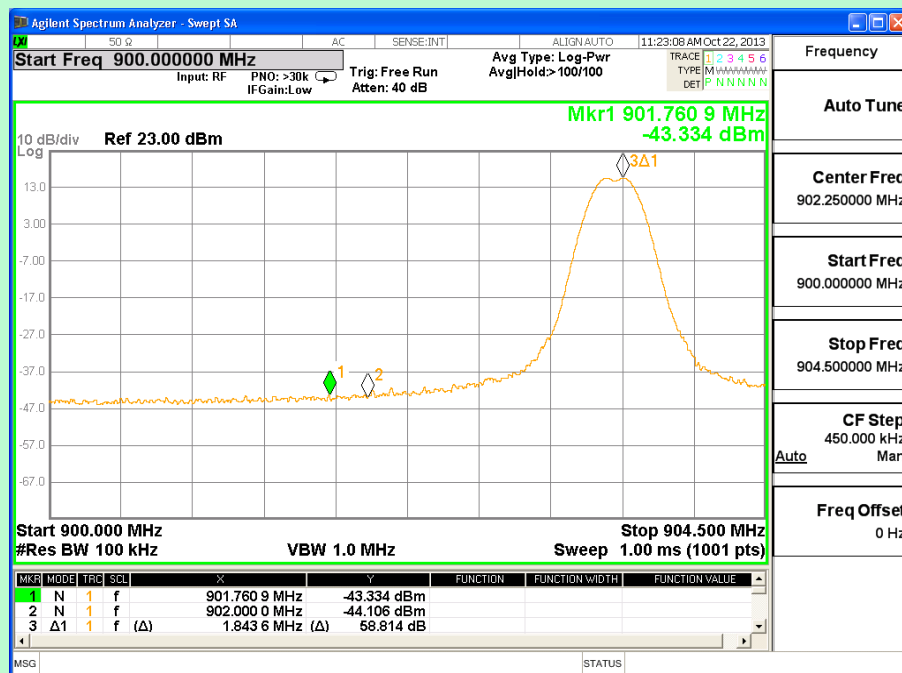
2.5 BAND-EDGE COMPLIANCE

EUT Nomenclature	Wireless Smoke Detector	Test Report No.	EMC-0004-1			
Model No.	FWD-200A CCLIMATE	Serial No.	05936			
Test Start Date	21-Oct-2013	Temperature (°C)	23.2			
Test End Date	22-Oct-2013	Humidity RH (%)	55.1			
Tested By	Loganathan Joghee	Pressure (mbar)	NR			
Input Voltage / Freq	3.3 Vdc					
Operating Mode	Refer Page 5 Operating Modes Table					
Test configuration	Refer Page 5 Test Configuration Table					
Deviation from Std	NA					
Applicable standard	FCC Part 15.247					
Test Method	DA 00-705					
Comment						
TEST DETAILS						
Method	<input checked="" type="checkbox"/> Conducted <input type="checkbox"/> Radiated					
TEST PARAMETERS						
Antenna Height	NA	Turntable Rotation	NA			
Equipment Class	NA	Measurement Distance	NA			

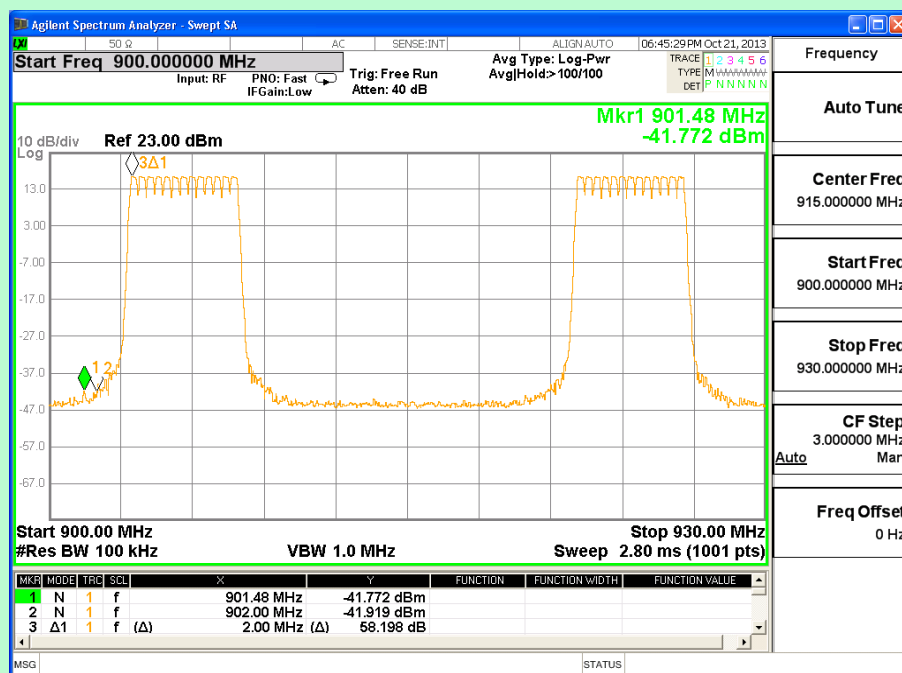
TEST EQUIPMENT

Y/N	Equipment	Make	Model	Sl. No.	Cal Due Date
Y	Spectrum Analyzer	Agilent	N9010A	MY48031005	28-Nov-2014
Y	RF Cable	Huber- Suhner	SF104/2X11PC3542/500	NA	NA

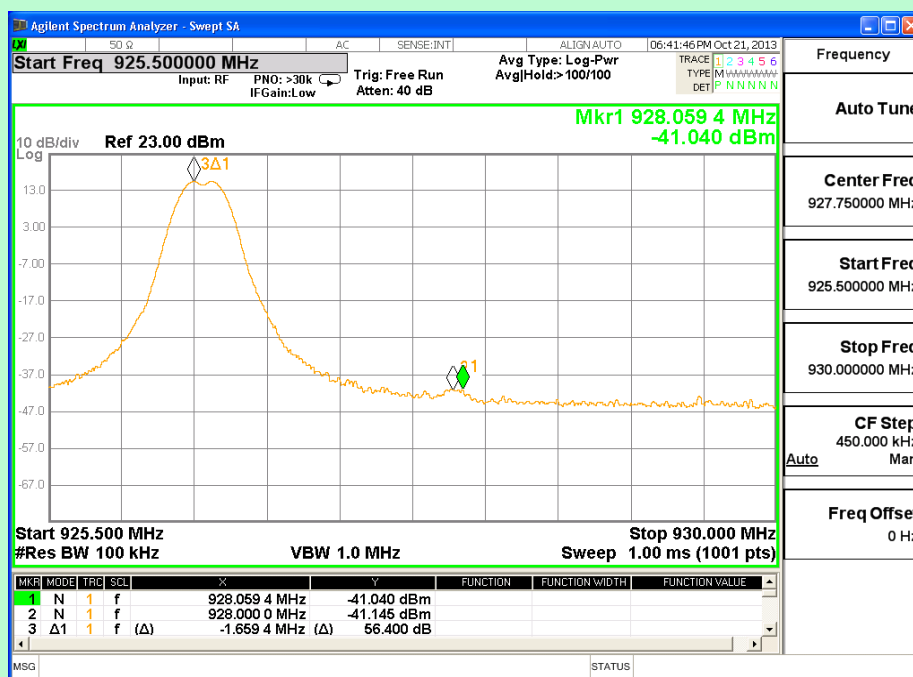
TEST GRAPHS



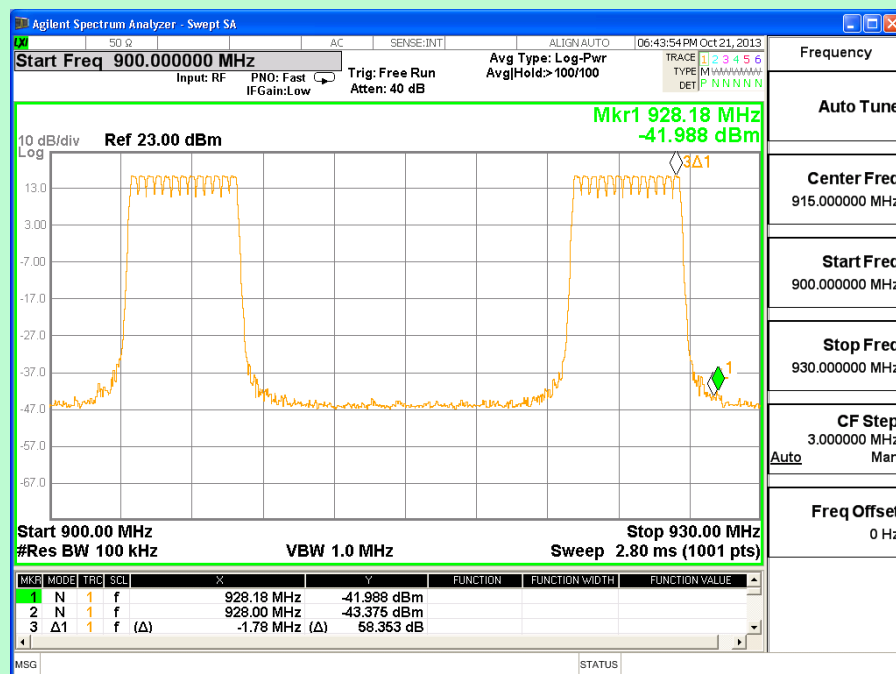
Band-edge at 902 MHz - Channel 1 (903.55M Hz)



Band-edge at 902MHz – Hopping Enabled



Band-edge at 928 MHz - Channel 52 (926.45MHz)



Band-edge at 928MHz – Hopping Enabled

TEST RESULT					
Channel	Frequency	Measured difference		Limit	Test Results
#	MHz	SINGLE CHANNEL	FHSS ENABLED	dBc	
1	903.355	58.814	58.198	>20	PASS
52	926.45	56.4	58.353	>20	PASS

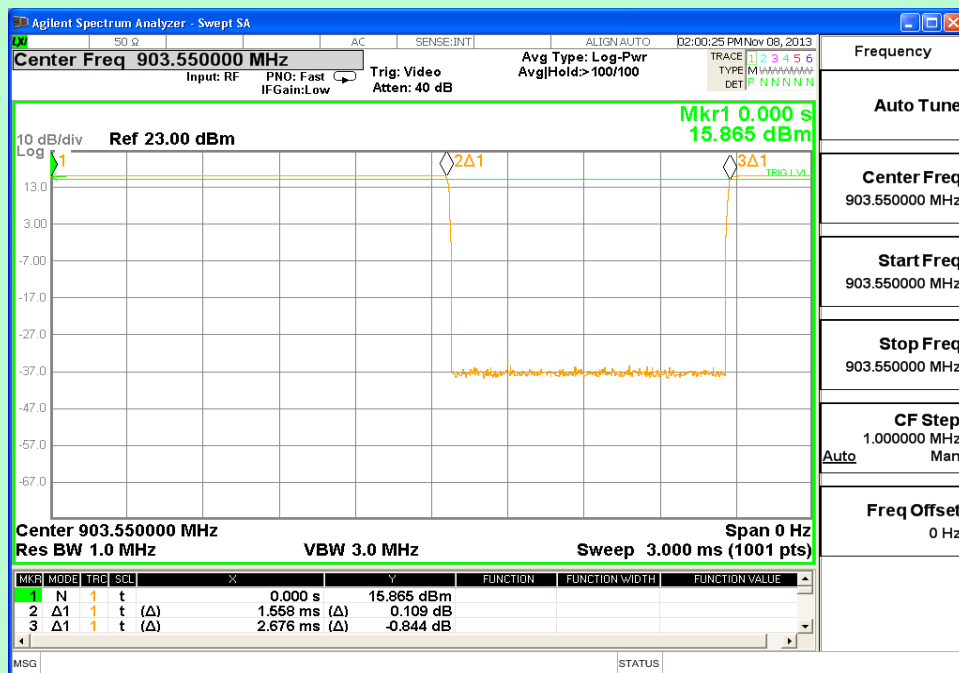
TEST SETUP PHOTOGRAPHS
<p>Refer Annexure-1</p> <p>Conducted RF Test Setup</p>

2.6 TIME OF OCCUPANCY (DWELL TIME)

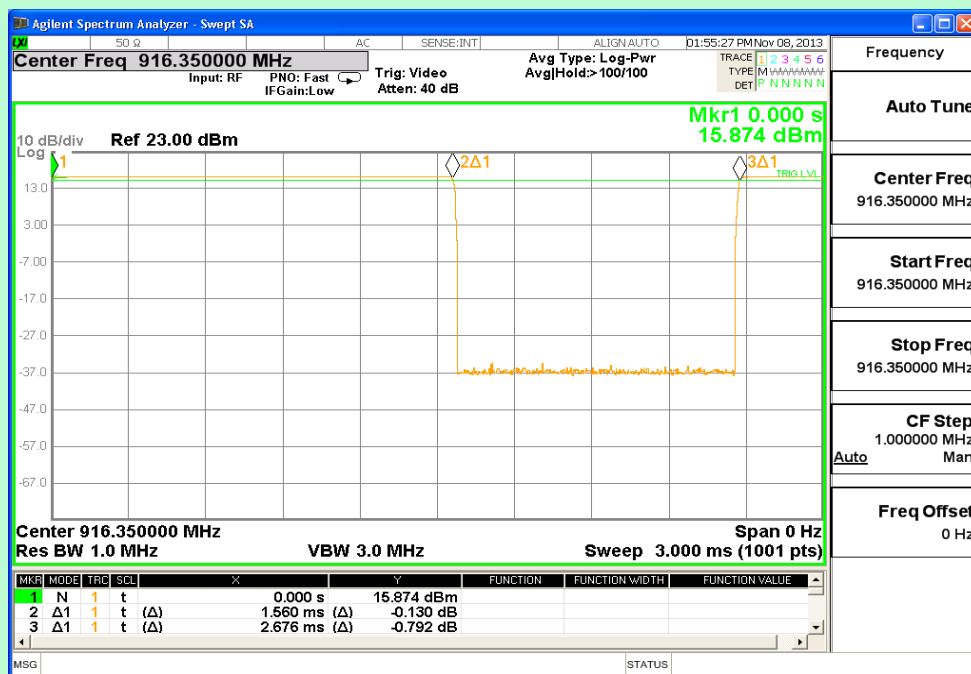
EUT Nomenclature	Wireless Smoke Detector	Test Report No.	EMC-0004-1
Model No.	FWD-200A CCLIMATE	Serial No.	05936
Test Start Date	08-Nov-2013	Temperature (°C)	24.2
Test End Date	08-Nov-2013	Humidity RH (%)	56.1
Tested By	Loganathan Joghee	Pressure (mbar)	NR
Input Voltage / Freq	3.3 Vdc		
Operating Mode	Refer Page 5 Operating Modes Table		
Test configuration	Refer Page 5 Test Configuration Table		
Deviation from Std	NA		
Applicable standard	FCC Part 15.247		
Test Method	DA 00-705		
Comment			
TEST DETAILS			
Method	<input checked="" type="checkbox"/> Conducted <input type="checkbox"/> Radiated		
TEST PARAMETERS			
Antenna Height	NA	Turntable Rotation	NA
Equipment Class	NA	Measurement Distance	NA

TEST EQUIPMENT					
Y/N	Equipment	Make	Model	Sl. No.	Cal Due Date
Y	Spectrum Analyzer	Agilent	N9010A	MY48031005	28-Nov-2014
Y	RF Cable	Huber- Suhner	SF104/2X11PC3542/500	NA	NA

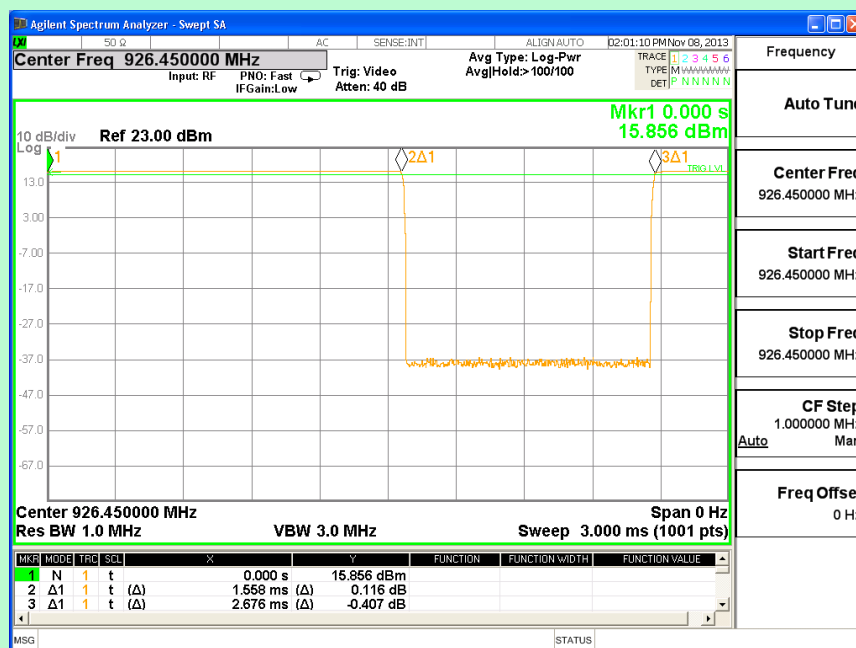
TEST GRAPHS



Channel 1 (903.55 M Hz)



Channel 27 (916.35 M Hz)



Channel 52 (926.45 M Hz)

TEST RESULT

Channel	Channel Frequency	Measured Dwell Time	No. of bursts	Total Dwell Time in 10sec	Limit in 10s period	Results
#	MHz	ms	#	ms	ms	
1	903.55	1.558	8	12.48	≤ 400	PA SS
27	916.35	1.560	8	12.48	≤ 400	PA SS
52	926.45	1.558	8	12.48	≤ 400	PA SS

TEST SETUP PHOTOGRAPHS

Refer Annexure - 1

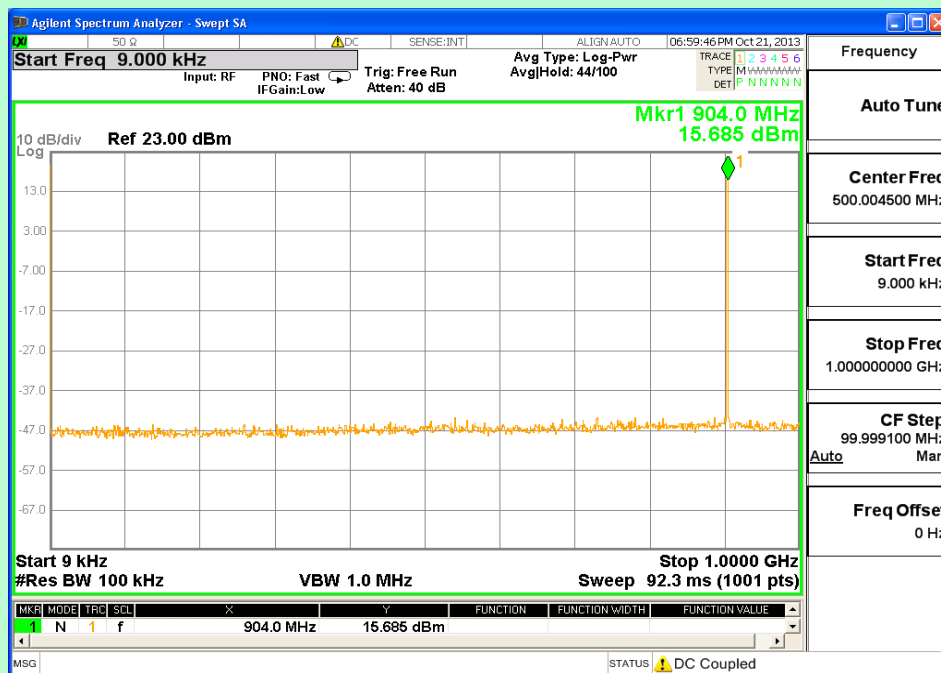
Conducted RF Test Setup

2.7 SPURIOUS RF CONDUCTED EMISSIONS

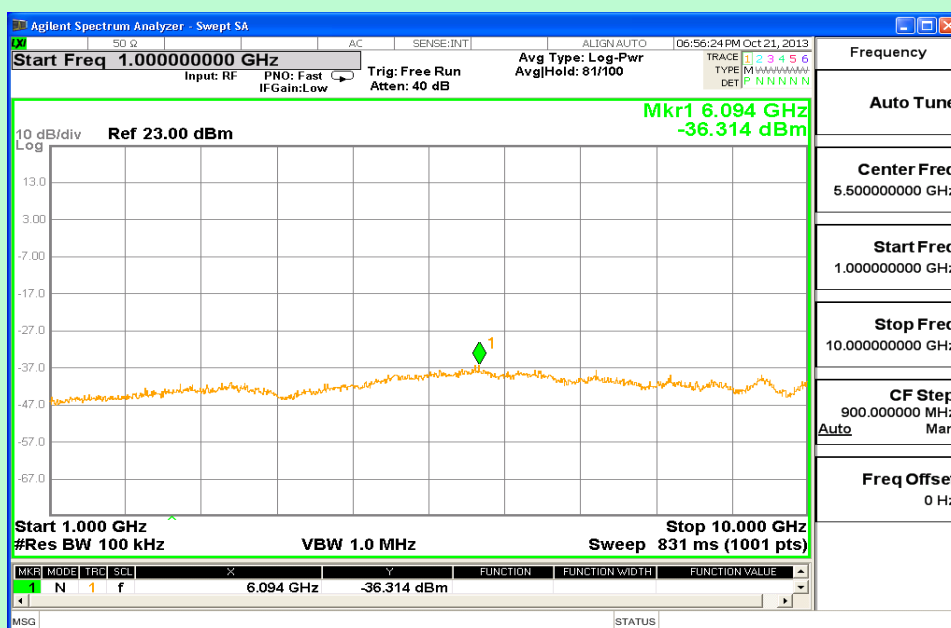
EUT Nomenclature	Wireless Smoke Detector	Test Report No.	EMC-0004-1			
Model No.	FWD-200A CCLIMATE	Serial No.	05936			
Test Start Date	21-Oct-2013	Temperature (°C)	23.2			
Test End Date	21-Oct-2013	Humidity RH (%)	55.1			
Tested By	Loganathan Joghee	Pressure (mbar)	NR			
Input Voltage / Freq	3.3 Vdc					
Operating Mode	Refer Page 5 Operating Modes Table					
Test configuration	Refer Page 5 Test Configuration Table					
Deviation from Std	NA					
Applicable standard	FCC Part 15.247					
Test Method	DA 00-705					
Comment						
TEST DETAILS						
Method	<input checked="" type="checkbox"/> Conducted <input type="checkbox"/> Radiated					
TEST PARAMETERS						
Antenna Height	NA	Turntable Rotation	NA			
Equipment Class	NA	Measurement Distance	NA			

TEST EQUIPMENT					
Y/N	Equipment	Make	Model	Sl. No.	Cal Due Date
Y	Spectrum Analyzer	Agilent	N9010A	MY48031005	28-Nov-2014
Y	RF Cable	Huber- Suhner	SF104/2X11PC3542/500	NA	NA

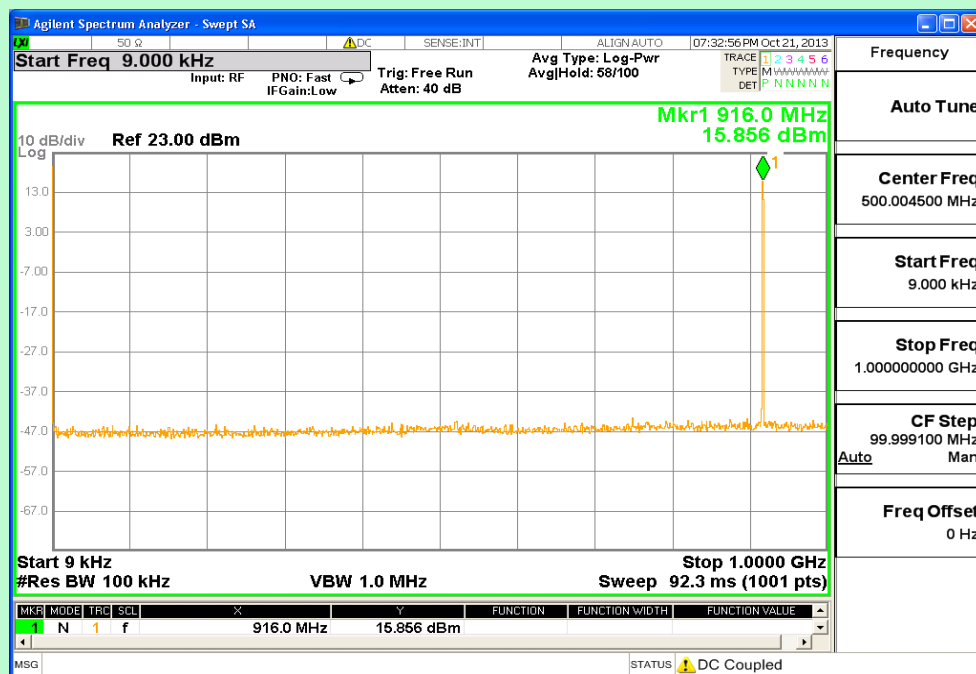
TEST GRAPHS



Channel 1 (903.55 MHz) – 9 KHz to 1 GHz



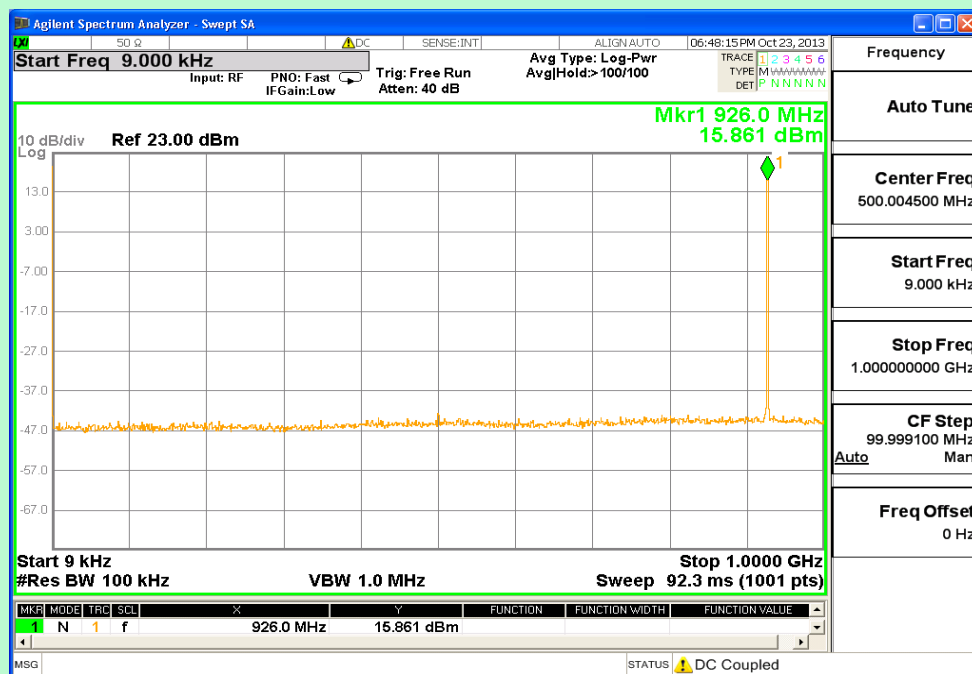
Channel 1 (903.55 MHz) – 1 GHz to 10 GHz



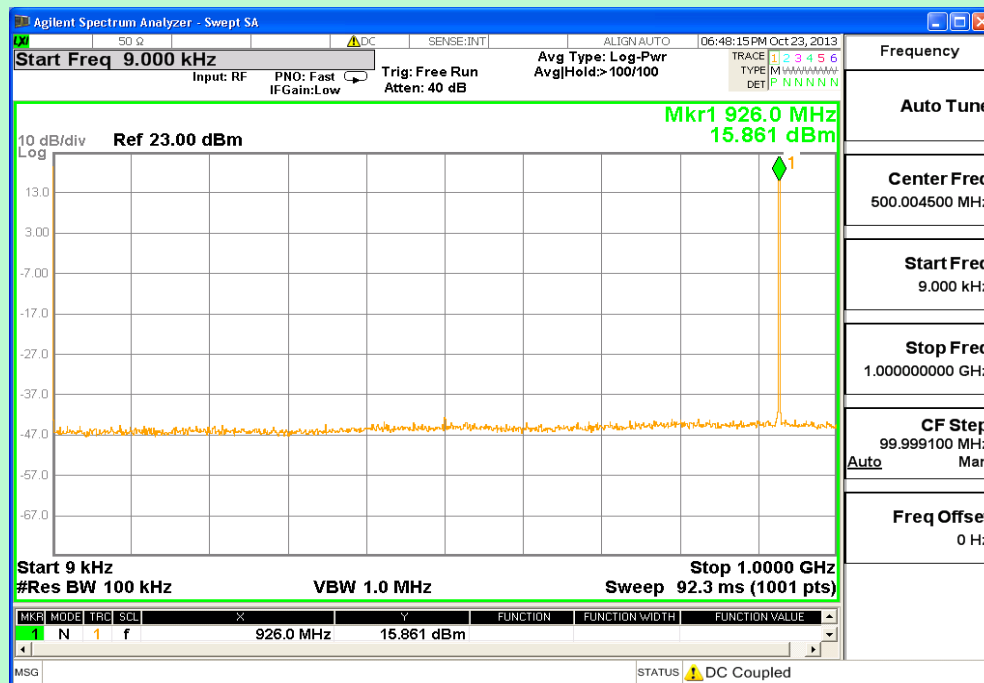
Channel 27 (916.35 MHz) – 9 KHz to 1 GHz



Channel 27 (916.35 MHz) – 1 GHz to 10 GHz



Channel 52 (926.45 MHz) – 9 KHz to 1 GHz



Channel 52 (926.45 MHz) – 1 GHz to 10 GHz

TEST RESULT					
Channel	Channel Frequency	Measured Spurious		Limit	Results
#	MHz	GHz	Level (dBm)	dBc	
1	903.55	6.094	-36.314	>20	PASS
27	916.35	5.887	-37.289	>20	PASS
52	926.45	5.950	-37.343	>20	PASS

TEST SETUP PHOTOGRAPHS
<p>Refer Annexure-1</p> <p>Conducted RF Test Setup</p>

2.8 SPURIOUS RADIATED EMISSIONS

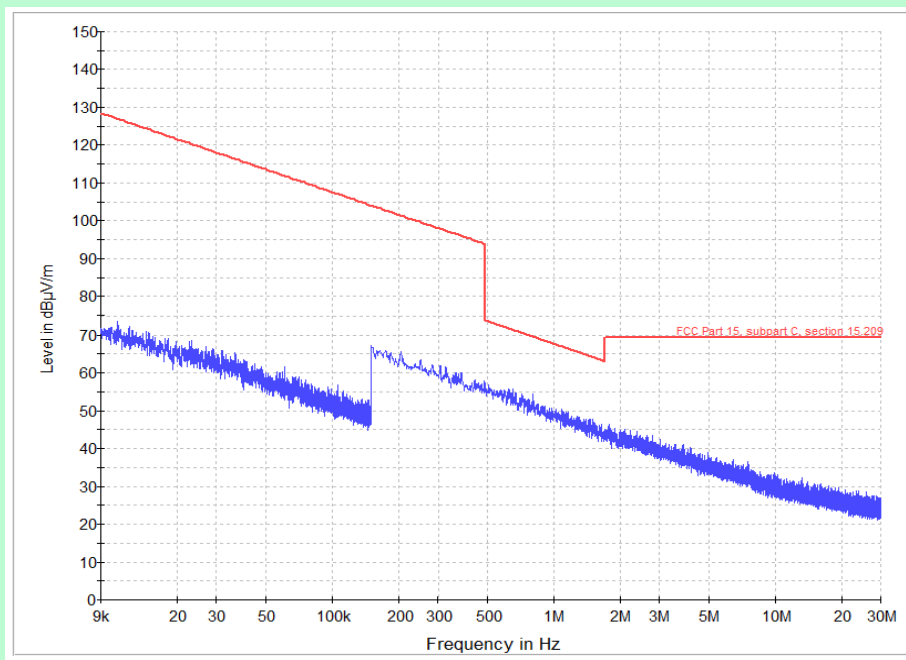
EUT Nomenclature	Wireless Smoke Detector	Test Report No.	EMC-0004-1
Model No.	FWD-200A CCLIMATE	Serial No.	01
Test Start Date	22-Oct-2013	Temperature (°C)	23.5
Test End Date	31-Oct-2013	Humidity RH (%)	57.1
Tested By	Gulshan Kumar	Pressure (mbar)	NR
Input Voltage / Freq	3.3Vdc		
Operating Mode	Refer Page 5 Operating Modes Table		
Test configuration	Refer Page 5 Test Configuration Table		
Deviation from Std	NA		
Comment			
TEST FREQUENCY RANGE			
Start Frequency	9 KHz	Stop Frequency	10 GHz
MAXIMUM OPERATING FREQUENCY			
902MHz to 928MHz			
TEST PARAMETERS			
Antenna Height	1m to 4m	Turntable Rotation	0° to 360°
Applicable standard	FCC Part 15.247 & 15.209	Test Method	DA 00-705
Equipment Class	NA	Measurement Distance	3m

TEST EQUIPMENT

Y/N	Equipment	Make	Model	Sl. No.	Cal Due Date
Y	EMI Test Receiver	R&S	ESU26	100229	04-Feb-2014
Y	3m Semi Anechoic Chamber	ETS Lindgren	DKE 6X7 DBL.DR	1625	31-Dec-2013
Y	Double Ridge Guide Horn Antenna	ETS Lindgren	3117	00064055	07-Nov-2013
Y	Bilog Antenna	ETS Lindgren	HLP3003C	130525	30-Nov-2013
Y	Loop Antenna	ETS Lindgren	6507	000103694	12-Mar-2014
Y	RF cable (9KHz to 1GHz)	COLEMAN	RG214	RE-1A	09-May-2014
Y	RF cable (9KHz to 1GHz)	COLEMAN	RG214	RE-1B	09-May-2014
Y	RF cable (1GHz to 18GHz)	AH Systems	SAC-18G-06	RE-2A	09-May-2014
Y	RF cable (1GHz to 18GHz)	AH Systems	SAC-18G-06	RE-2B	09-May-2014
Y	Signal Conditioning unit	R&S	SCU-18	10178	13-June-2014
Y	High Pass Filter	Wainwright	WHKX1.5/15G-12ST	1	09-May-2014
Y	EMC32 Software	R&S	8.30.0	820-OT101248	NA

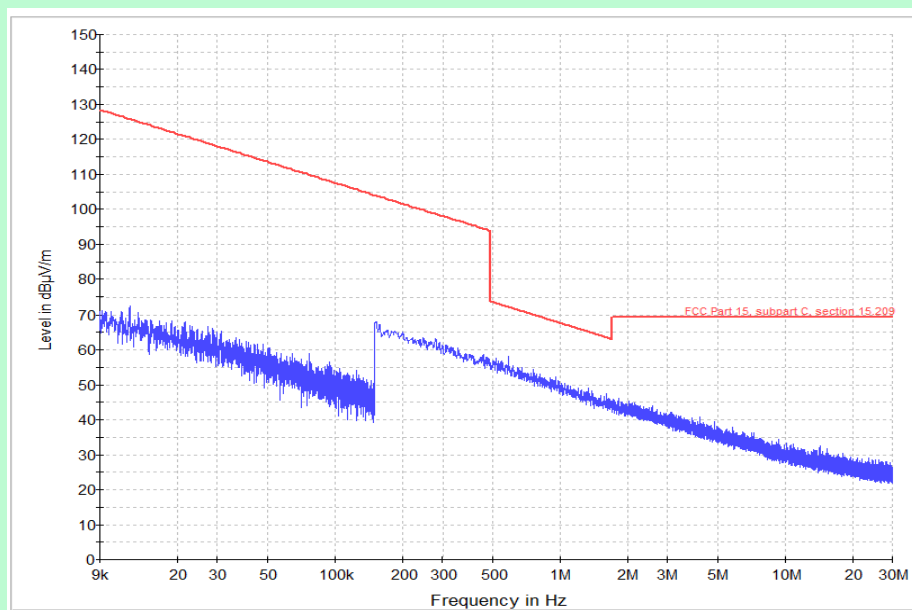
Note: Switch ON/OFF the Internal Preamplifier based on carrier level and or noise floor without overloading the receiver

TEST GRAPHS – 9KHz to 30MHz



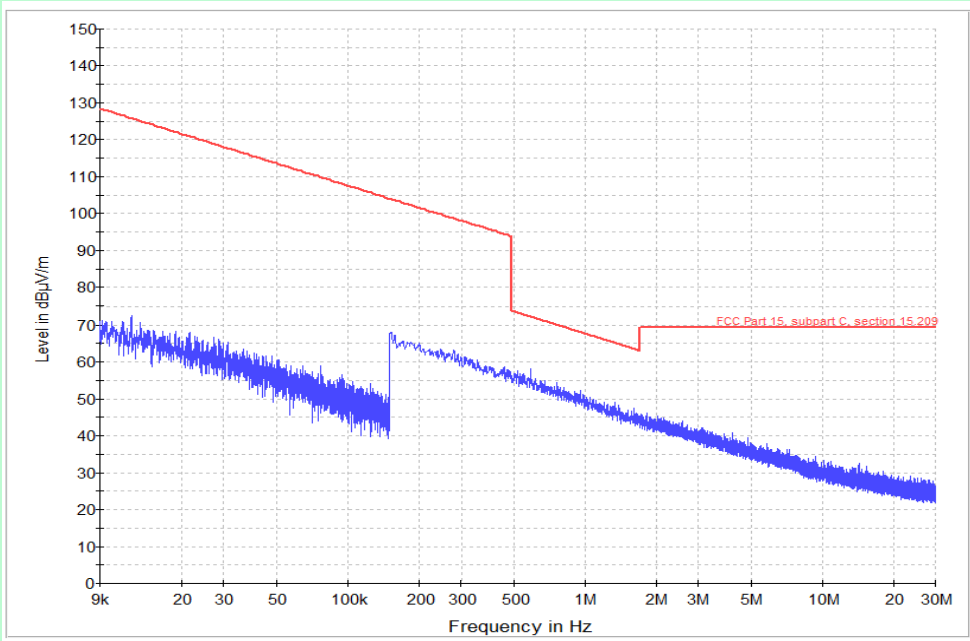
Channel 1 (903.55 M Hz)

Note : Peak Graph - Parallel



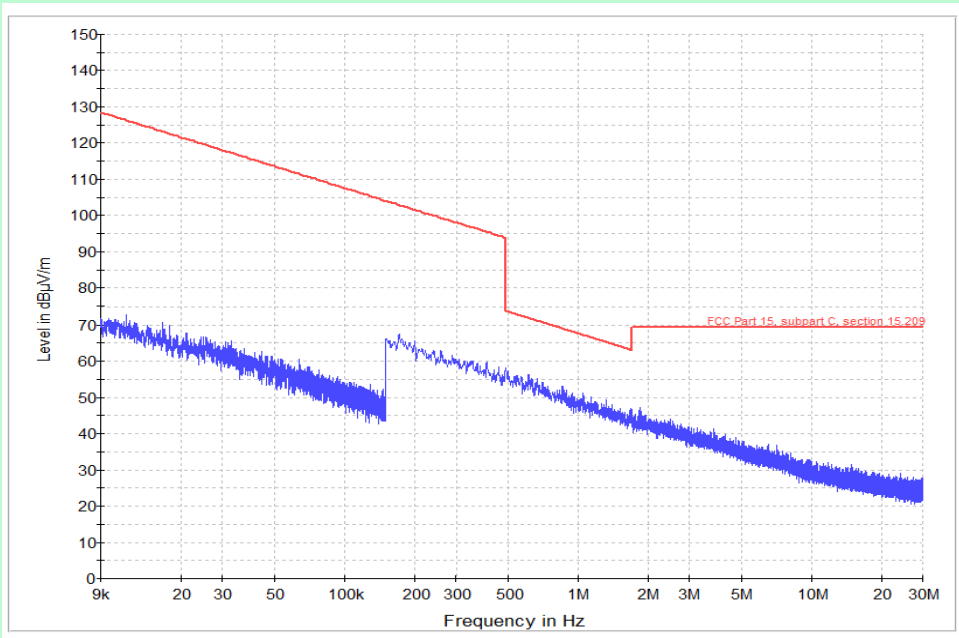
Channel 1 (903.55 M Hz)

Note : Peak Graph - Perpendicular



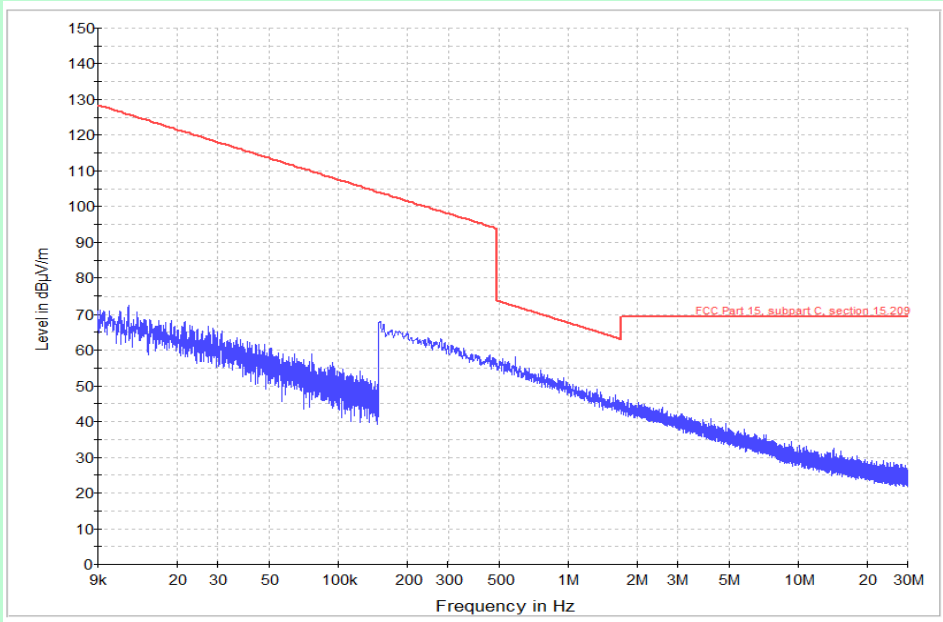
Channel 27 (916.35 MHz)

Note : Peak Graph - Parallel



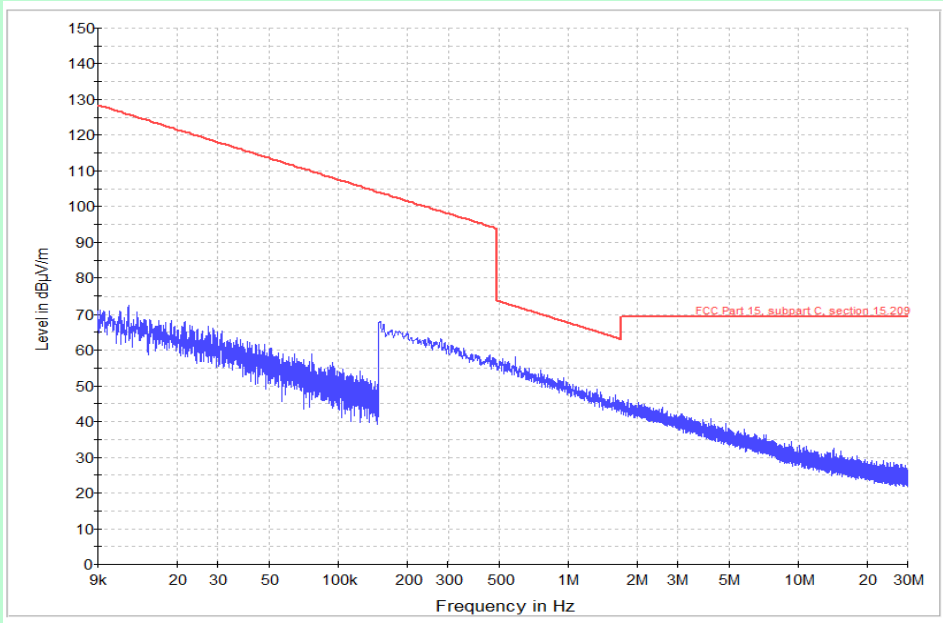
Channel 27 (916.35 MHz)

Note : Peak Graph - Perpendicular



Channel 52 (926.45 MHz)

Note : Peak Graph - Parallel



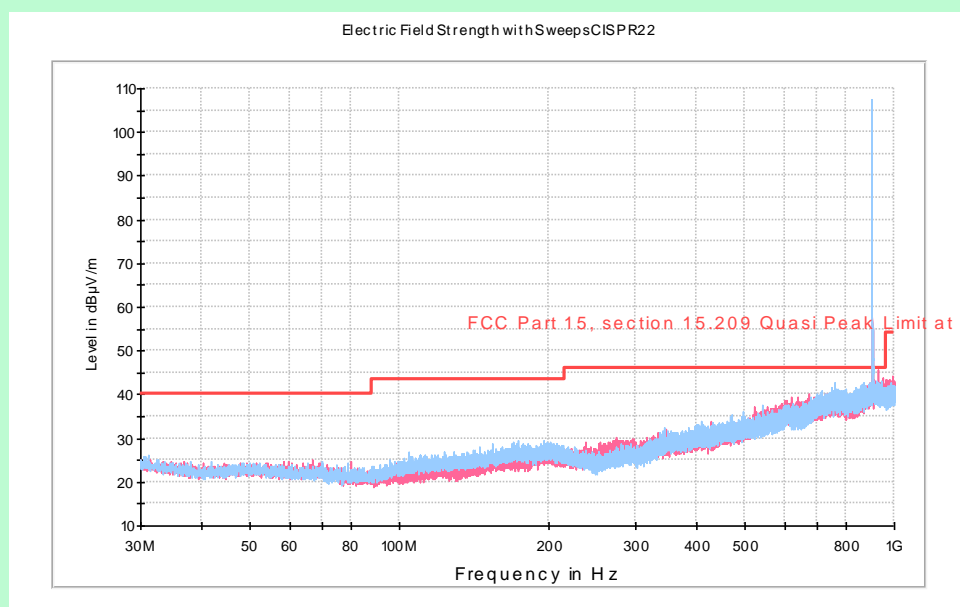
Channel 52 (926.45 MHz)

Note : Peak Graph - Perpendicular

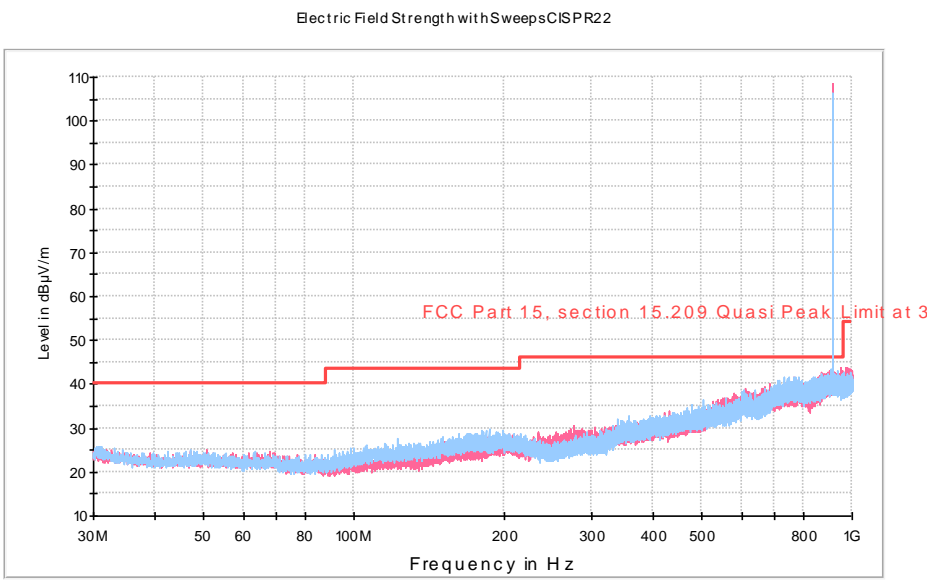
TEST RESULT – 9 KHz to 30 MHz

Channel	Channel Frequency	Measured Spurious	Quasi Peak	Height	Ant Pol	Azimuth	Margin	Limit @ 3m Distance	Results
#	MHz	MHz	dBμV/m	cm	Parallel / Perpendicular	deg	dB	dBμV/m	
NO EMISSIONS FOUND									PASS

Note : Measured Field Strength –dBμV/m = Receiver Readings (dBμV) + Antenna Factor (dB/m) + Cable loss (dB)

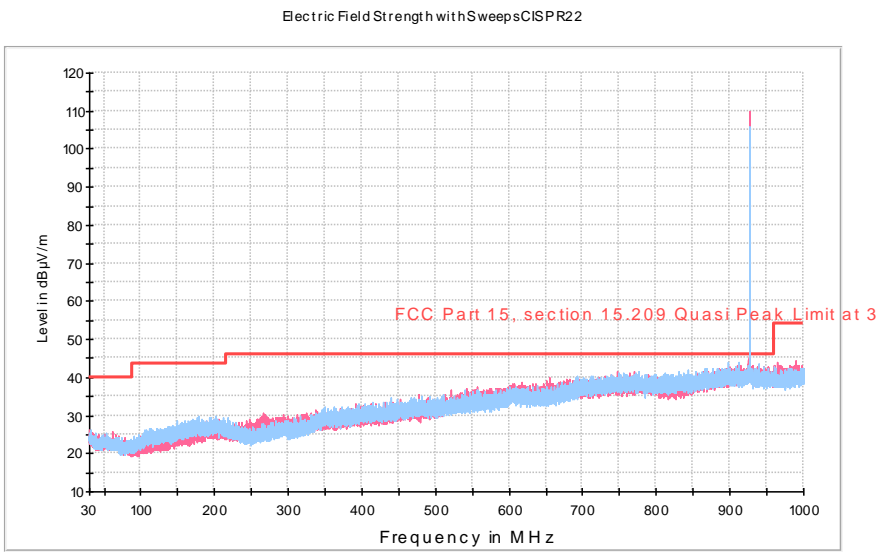
TEST GRAPHS – 30 MHz to 1 GHz**Channel 1 (903.55 MHz)**

Note : Peak Graph Vertical (Red), Peak Graph Horizontal (Blue)



Channel 27 (916.35 M Hz)

Note : Peak Graph Vertical (Red), Peak Graph Horizontal (Blue)



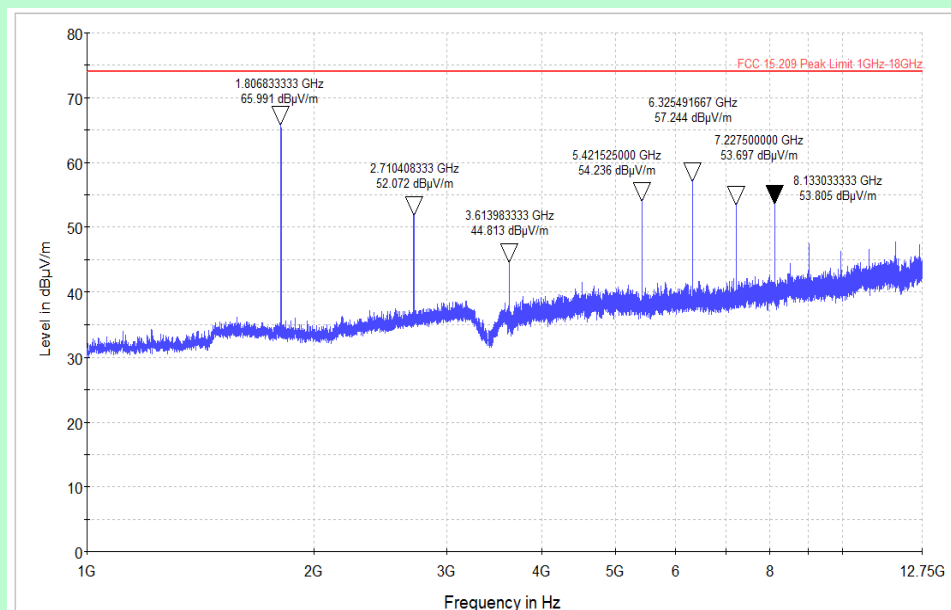
Channel 52 (926.45 M Hz)

Note : Peak Graph Vertical (Red), Peak Graph Horizontal (Blue)

TEST RESULT – 30 MHz to 1 GHz								
Channel	Measured Spurious	Quasi Peak	Height	Ant Pol	Azimuth	Margin	Limit @ 3m Distance	Results
#	MHz	dBuV/m	cm	H / V	deg	dB	dBuV/m	
1	30.37	19.7	100.0	H	240.0	20.3	40.0	PA SS
1	58.09	17.8	100.0	H	60.0	22.2	40.0	PA SS
1	66.56	17.9	200.0	H	240.0	22.1	40.0	PA SS
1	87.76	17.6	100.0	H	300.0	22.4	40.0	PA SS
1	170.99	23.1	300.0	H	120.0	20.4	43.5	PA SS
1	194.91	23.2	100.0	H	30.0	20.3	43.5	PA SS
1	343.43	25.6	200.0	H	150.0	20.4	46.0	PA SS
1	470.49	28.5	100.0	H	0.0	17.5	46.0	PA SS
1	523.44	29.9	300.0	V	300.0	16.1	46.0	PA SS
1	697.58	33.8	100.0	V	300.0	12.2	46.0	PA SS
1	756.80	35.6	100.0	H	210.0	10.4	46.0	PA SS
1	903.61	104.1	100.0	V	120.0	-46.1	46.0	Intended Frequency
1	929.97	37.1	100.0	H	210.0	8.9	46.0	PA SS
27	31.88	19.3	100.0	V	150.0	20.7	40.0	PA SS
27	47.65	18.5	200.0	H	300.0	21.5	40.0	PA SS
27	68.19	17.9	100.0	H	150.0	22.1	40.0	PA SS
27	85.74	17.5	100.0	H	270.0	22.5	40.0	PA SS
27	169.14	23.0	300.0	H	180.0	20.5	43.5	PA SS
27	186.01	23.0	100.0	H	330.0	20.5	43.5	PA SS
27	339.44	25.2	100.0	V	0.0	20.8	46.0	PA SS
27	478.67	28.6	300.0	H	60.0	17.4	46.0	PA SS
27	681.38	33.6	100.0	V	120.0	12.4	46.0	PA SS
27	916.41	104.5	100.0	V	300.0	-46.5	46.0	Intended Frequency
52	30.41	19.7	100.0	H	0.0	20.3	40.0	PA SS
52	51.98	18.4	200.0	H	30.0	21.6	40.0	PA SS
52	61.36	18.0	100.0	V	150.0	22.0	40.0	PA SS
52	86.84	17.6	300.0	H	300.0	22.4	40.0	PA SS
52	169.21	23.0	100.0	H	60.0	20.5	43.5	PA SS
52	201.74	23.5	400.0	H	240.0	20.0	43.5	PA SS
52	348.20	26.0	100.0	H	0.0	20.0	46.0	PA SS
52	477.60	28.7	300.0	H	90.0	17.3	46.0	PA SS
52	693.59	34.1	100.0	H	150.0	11.9	46.0	PA SS
52	898.46	37.0	100.0	H	270.0	9.0	46.0	PA SS
52	926.51	105.5	100.0	V	60.0	-47.5	46.0	Intended Frequency
52	990.84	37.8	100.0	V	120.0	16.2	54.0	PA SS

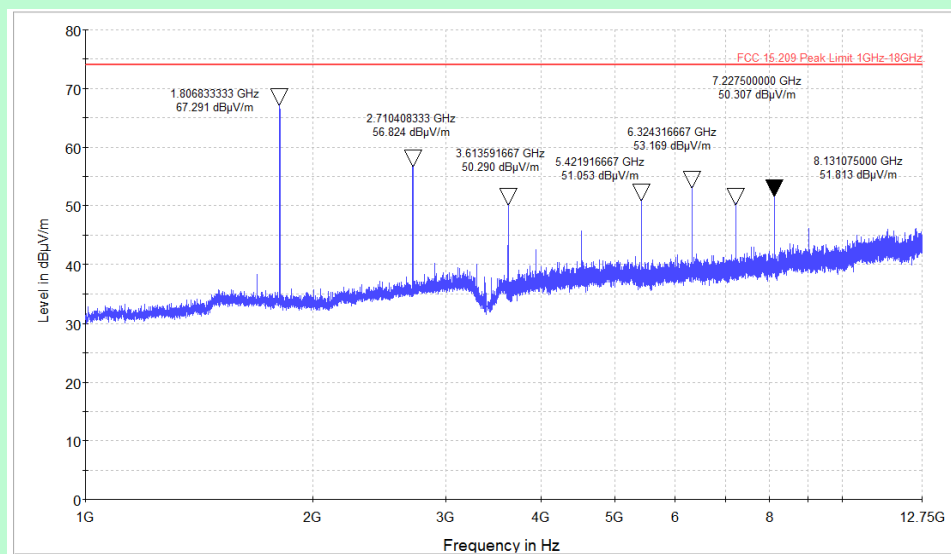
NOTE: Measured Field Strength –dBuV/m (9 KHz to 1GHz) = Receiver Readings (dBuV) + Antenna Factor (dB/m) + Cable loss (dB)

TEST GRAPHS – 1 GHz to 10 GHz



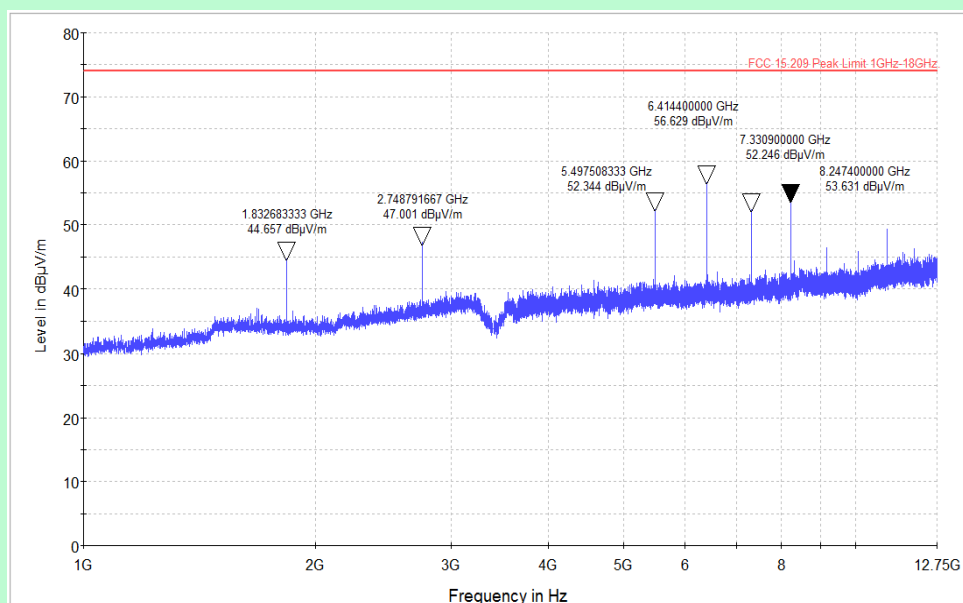
Channel 1 (903.55 M Hz)

Note : Peak Graph - Horizontal



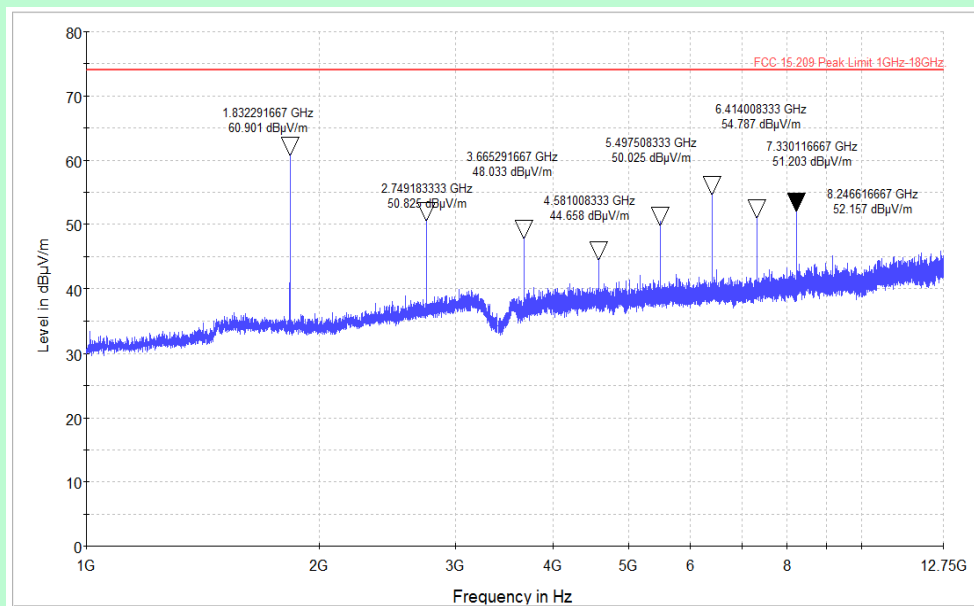
Channel 1 (903.55 M Hz)

Note : Peak Graph - Vertical



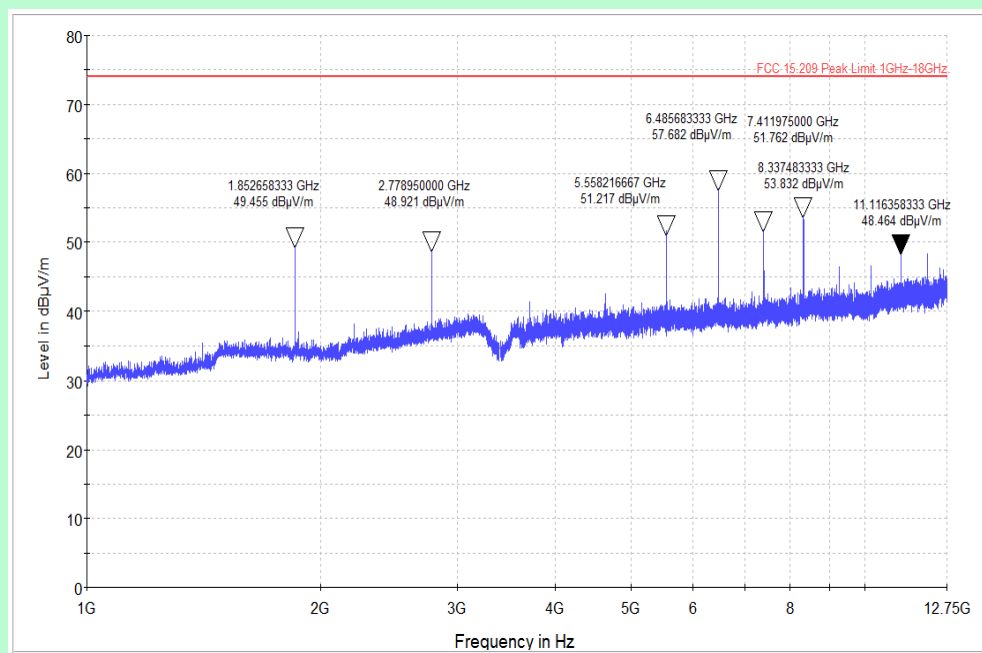
Channel 27 (916.35 M Hz)

Note : Peak Graph - Horizontal



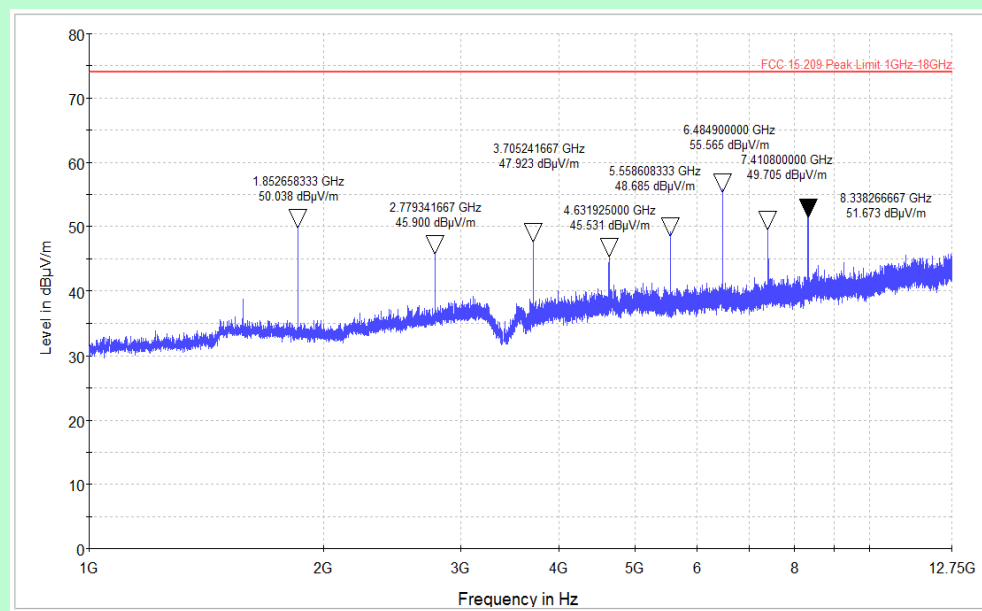
Channel 27 (916.35 M Hz)

Note : Peak Graph - Vertical



Channel 52 (926.45 MHz)

Note : Peak Graph - Horizontal



Channel 52 (926.45 MHz)

Note : Peak Graph - Vertical

TEST RESULT – 1 GHz to 10 GHz							RESTRICTED BAND – PEAK & AVERAGE			
Channel	Spurious Frequency	Spurious Peak Level	Height	Ant Pol	Peak Limit	Peak Margin	Calculated Average Reading [Peak – Duty cycle]	Average Limit	Margin	Results
#	GHz	dBμV/m	cm	H / V	dBμV/m	dB	dBμV/m	dBμV/m	dB	
1	2.7	52.1	100	H	74	21.9	34	54	20	PASS
1	3.6	44.8	100	H	74	29.1	26.7	54	27.3	PASS
1	5.4	54.2	200	H	74	19.7	36.2	54	17.8	PASS
1	6.3	57.2	100	H	74	16.7	39.2	54	14.8	PASS
1	7.2	53.7	100	H	74	20.3	35.6	54	18.4	PASS
1	8.1	53.8	100	H	74	20.2	35.7	54	18.3	PASS
1	2.7	56.8	100	V	74	17.2	38.7	54	15.3	PASS
1	3.6	50.3	200	V	74	23.7	32.2	54	21.8	PASS
1	5.4	51.1	100	V	74	22.9	33	54	21	PASS
1	6.3	53.2	100	V	74	20.8	35.1	54	18.9	PASS
1	7.2	50.3	100	V	74	23.7	32.2	54	21.8	PASS
1	8.1	51.8	400	V	74	22.2	33.7	54	20.3	PASS
27	2.7	47.0	100	H	74	27	28.9	54	25.1	PASS
27	5.5	52.3	100	H	74	21.7	34.3	54	19.7	PASS
27	6.4	56.6	200	H	74	17.4	38.5	54	15.5	PASS
27	7.3	52.2	100	H	74	21.8	34.2	54	19.8	PASS
27	8.2	53.6	100	H	74	20.4	35.6	54	18.4	PASS
27	2.7	50.8	100	V	74	23.2	32.7	54	21.3	PASS
27	3.7	48.0	100	V	74	26	30	54	24	PASS
27	4.6	44.7	200	V	74	29.3	26.6	54	27.4	PASS
27	5.5	50.0	100	V	74	24	31.9	54	22.1	PASS
27	6.4	54.8	100	V	74	19.2	36.7	54	17.3	PASS
27	7.3	51.2	100	V	74	22.8	33.1	54	20.9	PASS
27	8.2	52.2	400	V	74	21.8	34.1	54	19.9	PASS
52	2.8	48.9	100	H	74	25.1	30.8	54	23.1	PASS
52	5.6	51.2	100	H	74	22.8	33.1	54	20.8	PASS
52	6.5	57.7	200	H	74	16.3	39.6	54	14.3	PASS
52	7.4	51.8	100	H	74	22.2	33.6	54	20.3	PASS
52	8.3	53.8	100	H	74	20.2	35.7	54	18.2	PASS
52	11.1	48.5	100	H	74	25.5	30.3	54	23.6	PASS
52	2.8	45.9	100	V	74	28.1	27.8	54	26.2	PASS
52	3.7	47.9	200	V	74	26.1	29.8	54	24.1	PASS
52	4.6	45.5	100	V	74	28.5	27.4	54	26.5	PASS
52	5.6	48.7	100	V	74	25.3	30.6	54	23.3	PASS
52	6.5	55.6	100	V	74	18.4	37.4	54	16.5	PASS
52	7.4	49.7	400	V	74	24.3	31.6	54	22.3	PASS
52	8.3	51.7	400	V	74	22.3	33.5	54	20.4	PASS

Note :

Field Strength –dBuV/m = Receiver Readings (dBuV) + Antenna Factor (dB/m) + Cable loss (dB) + Filter Insertion loss – Ext. Pre amplifier Gain (dB)

Duty Cycle Correction Factor is calculated using the guidelines provided in DA 00-705 (Spurious Radiated Emissions)

Duty Cycle correction Factor = $20 \log (1.560 \times 8 / 100) = -18.08 \text{ dB}$

Duty Cycle Factor = $20 \log (\text{Dwell time} / 100 \text{ msec})$, Number of Transmission for 100 msec: 8, Dwell time per Transmission: 1.560 msec

TEST RESULT – 1 GHz to 10 GHz							NON-RESTRICTED BAND - PEAK		
Channel	Measured Fundamental	Spurious Emission	Measured Harmonic	Height	Ant Pol	Azimuth	Limit [Fundamental – 20 dBc]	Margin	Results
#	dBμV/m	GHz	dBμV/m	cm	H / V	deg	dBμV/m	dB	
1	104.1	1.8068	65.991	100	H	88.0	84.10	18.11	PA SS
1	104.1	1.8068	67.291	200	V	66.0	84.10	16.81	PA SS
27	104.5	1.8326	44.657	100	H	88.0	84.50	39.84	PA SS
27	104.5	1.8322	60.901	200	V	44.0	84.50	23.60	PA SS
52	105.5	1.8526	49.455	100	H	66.0	85.50	36.05	PA SS
52	105.5	1.8526	50.038	100	V	88.0	85.50	35.46	PA SS
Note : Field Strength –dBuV/m = Receiver Readings (dBuV) + Antenna Factor (dB/m) + Cable loss (dB) + Filter Insertion loss - Pre amplifier Gain (dB)									

TEST SETUP PHOTOGRAPHS
<p>Refer Annexure -1</p> <p>Radiated Emission Test Setup</p>

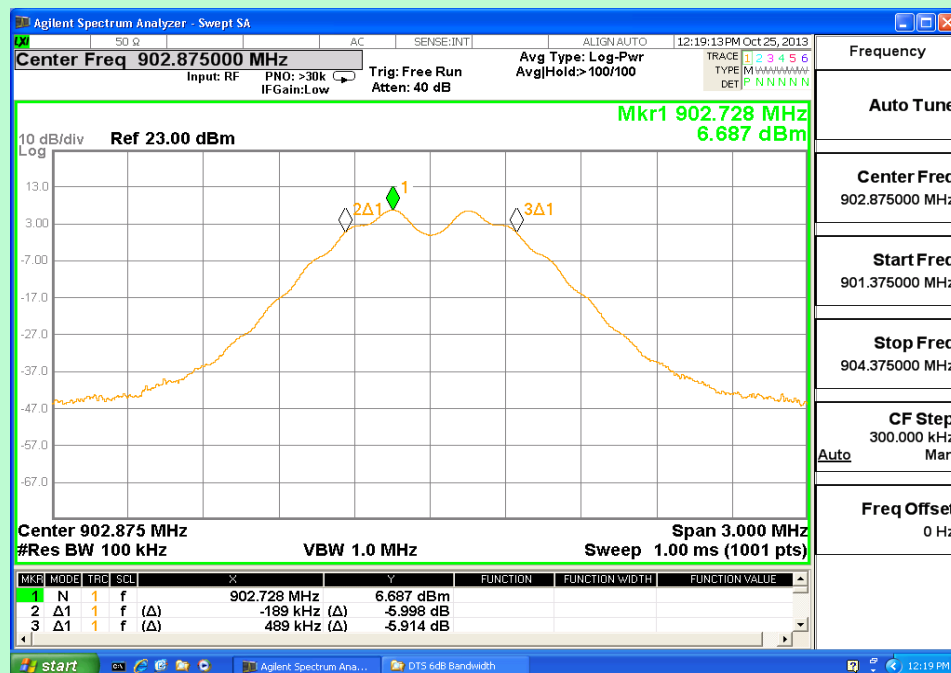
3 DTS CHANNELS

3.1 DTS 6dB Bandwidth

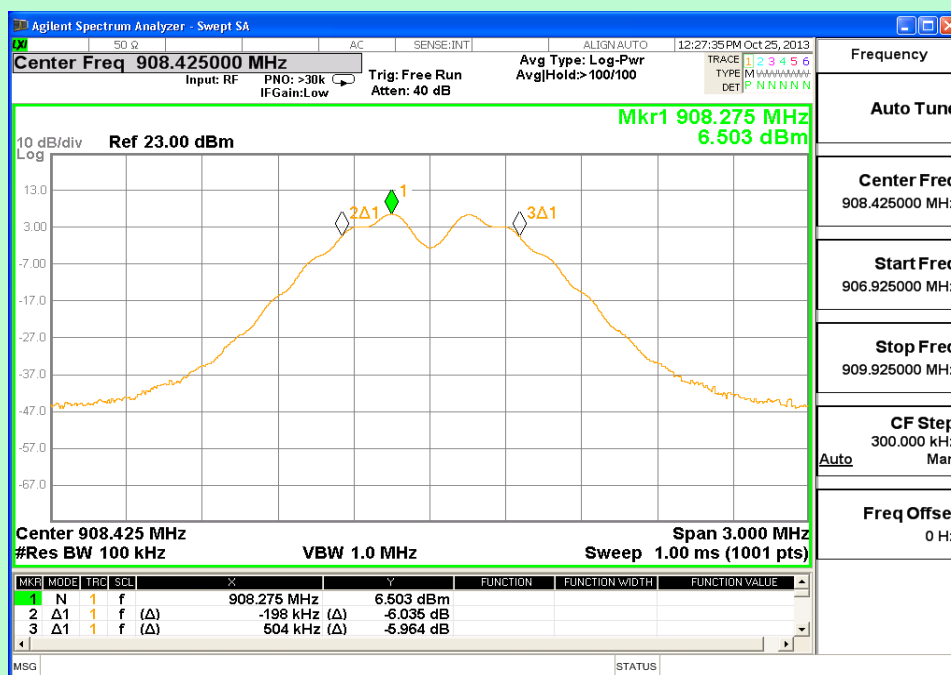
EUT Nomenclature	Wireless Smoke Detector	Test Request No.	EMC-0004-1
Model No.	FWD-200A CCLIMATE	Serial No.	05936
Test Start Date	25-Oct-2013	Temperature (°C)	22.6
Test End Date	25-Oct-2013	Humidity RH (%)	56.2
Tested By	Loganathan Joghee	Pressure (mbar)	NR
Input Voltage / Freq	3.3V dc		
Operating Mode	Refer Page 5 Operating Modes Table		
Test configuration	Refer Page 5 Test Configuration Table		
Deviation from Std	NA		
Applicable standard	FCC Part 15.247		
Test Method	KDB 558074		
Comment			
TEST DETAILS			
Method	<input checked="" type="checkbox"/> Conducted <input type="checkbox"/> Radiated		
TEST PARAMETERS			
Antenna Height	NA	Turntable Rotation	NA
Equipment Class	NA	Measurement Distance	NA

TEST EQUIPMENT					
Y/N	Equipment	Make	Model	Sl. No.	Cal Due Date
Y	Spectrum Analyzer	Agilent	N9010A	MY48031005	28-Nov-2014
Y	RF Cable	Huber- Suhner	SF104/2X11PC3542/500	NA	NA

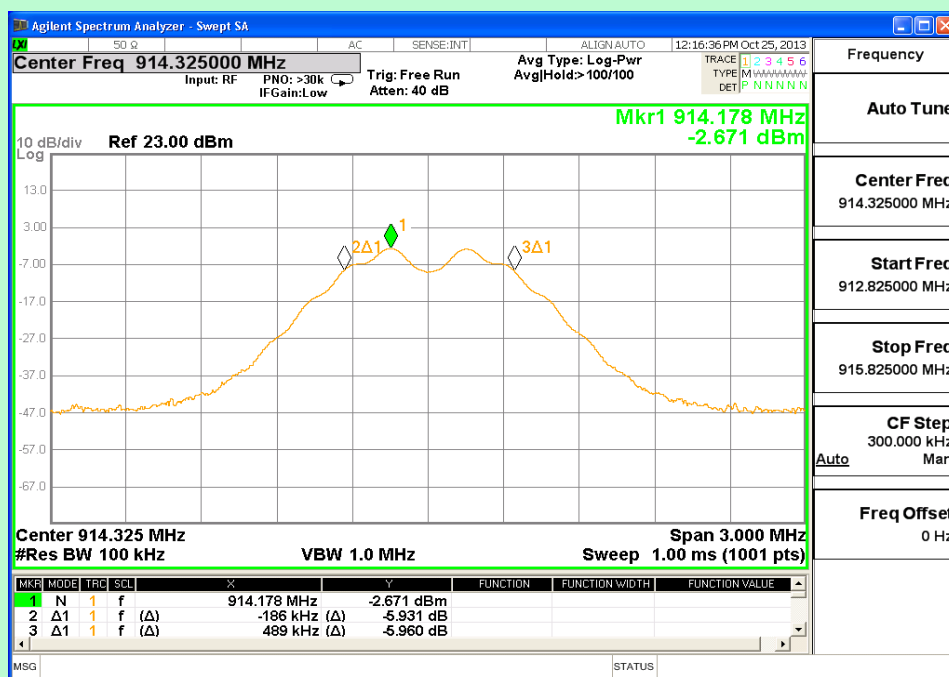
TEST GRAPHS



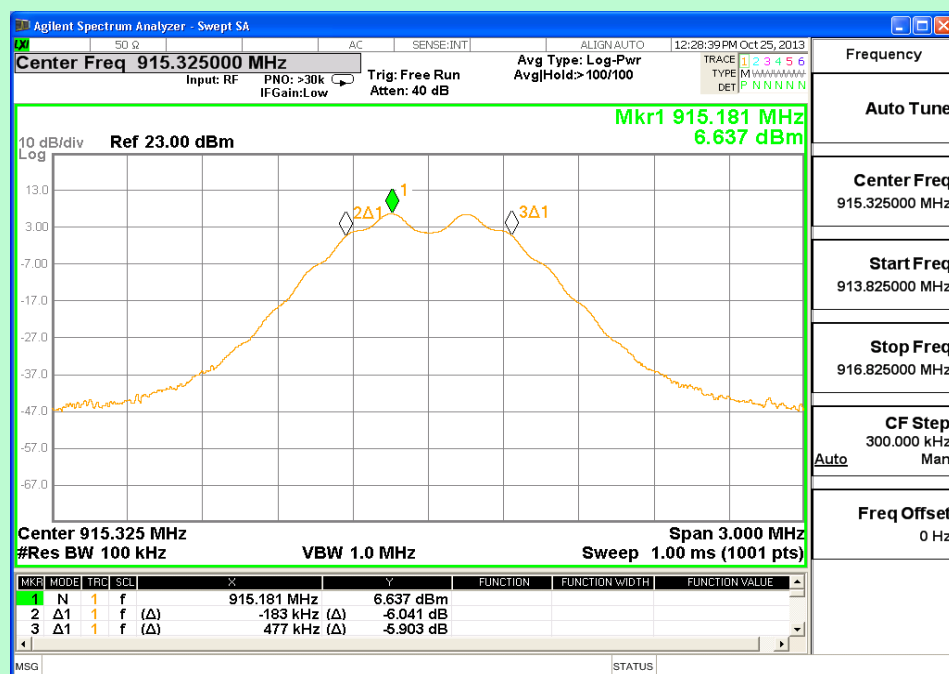
Channel 1 (902.875 MHz)



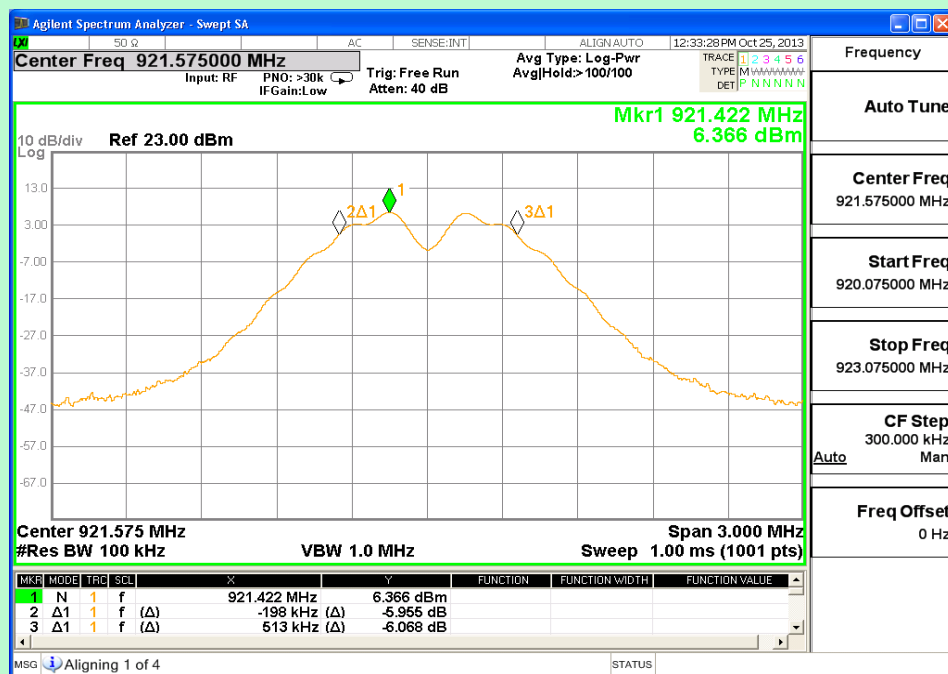
Channel 2 (908.425 MHz)



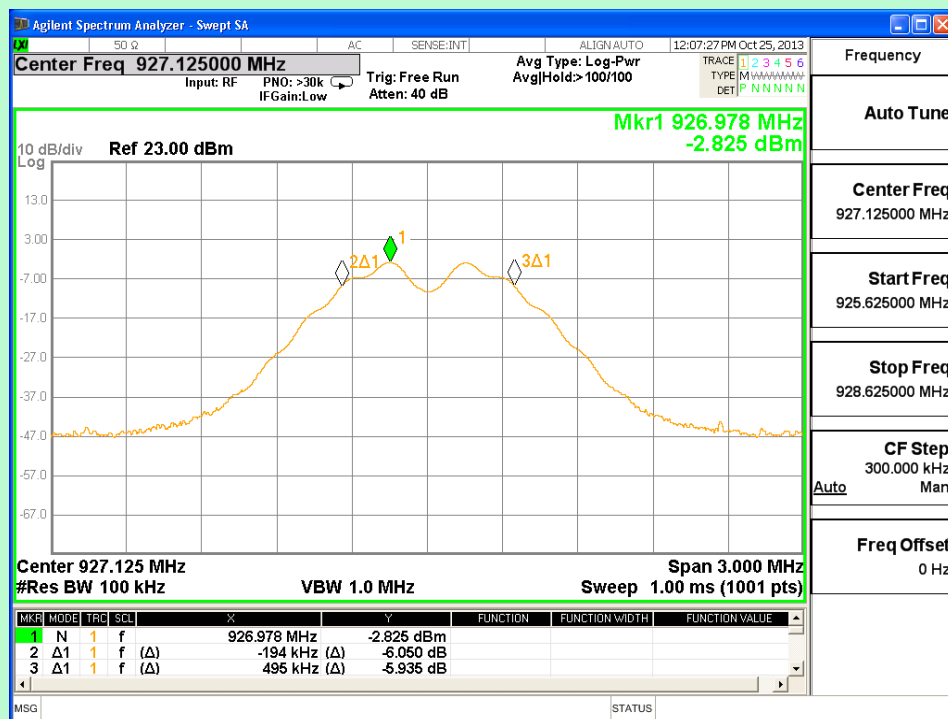
Channel 3 (914.325 MHz)



Channel 4 (915.325 MHz)



Channel 5 (921.575 MHz)



Channel 6 (927.125 MHz)

TEST RESULT				
Channel	Frequency	Measured Value	Limit	Result
#	MHz	KHz	KHz	
1	902.875	678	>500	PASS
2	908.425	702	>500	PASS
3	914.325	675	>500	PASS
4	915.325	660	>500	PASS
5	921.575	711	>500	PASS
6	927.125	689	>500	PASS

TEST SETUP PHOTOGRAPHS
<p>Refer Annexure – 1</p> <p>Conducted RF Test Setup</p>

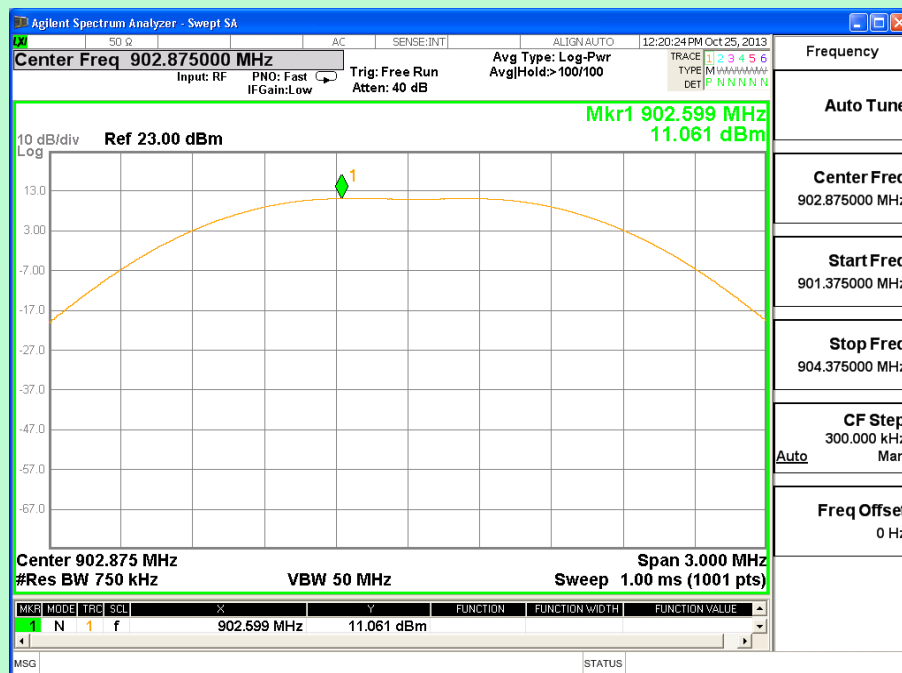
3.2 MAXIMUM PEAK OUTPUT POWER

EUT Nomenclature	Wireless Smoke Detector	Test Request No.	EMC-0004-1
Model No.	FWD-200A CCLIMATE	Serial No.	05936
Test Start Date	25-Oct-2013	Temperature (°C)	23.2
Test End Date	25-Oct-2013	Humidity RH (%)	55.2
Tested By	Loganathan Joghee	Pressure (mbar)	NR
Input Voltage / Freq	3.3V dc		
Operating Mode	Refer Page 5 Operating Modes Table		
Test configuration	Refer Page 5 Test Configuration Table		
Deviation from Std	NIL		
Applicable standard	FCC Part 15.247		
Test Method	KDB 558074		
Comment			
TEST DETAILS			
Method	<input checked="" type="checkbox"/> Conducted , <input type="checkbox"/> Radiated		
TEST PARAMETERS – RADIATED			
Antenna Height	NA	Turntable Rotation	NA
Equipment Class	NA	Measurement Distance	NA

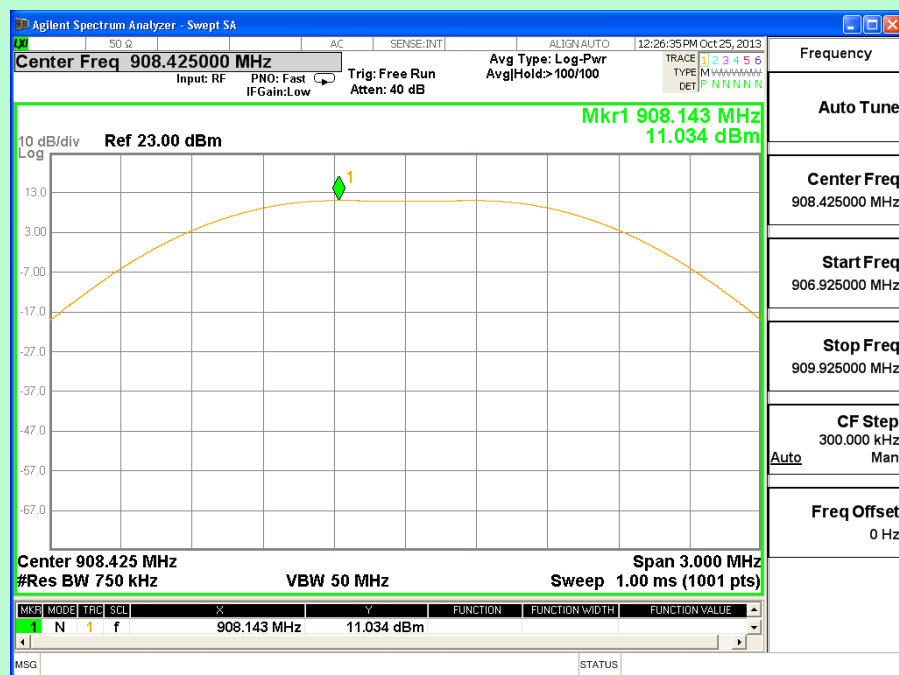
TEST EQUIPMENT

Y/N	Equipment	Make	Model	Sl. No.	Cal Due Date
Y	Spectrum Analyzer	Agilent	N9010A	MY48031005	28-Nov-2014
Y	RF Cable	Huber- Suhner	SF104/2X11PC3542/500	NA	NA

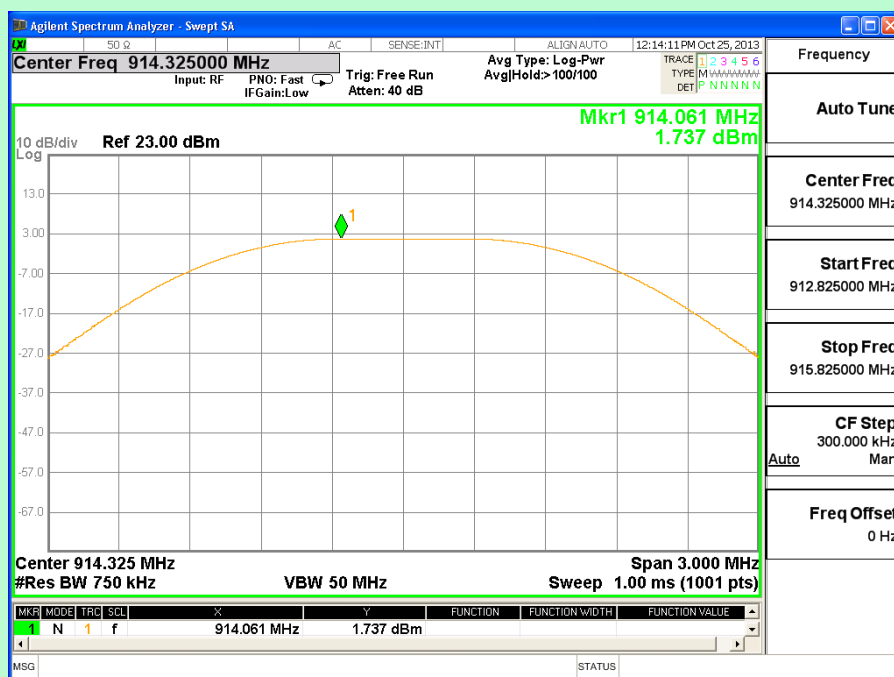
TEST GRAPHS



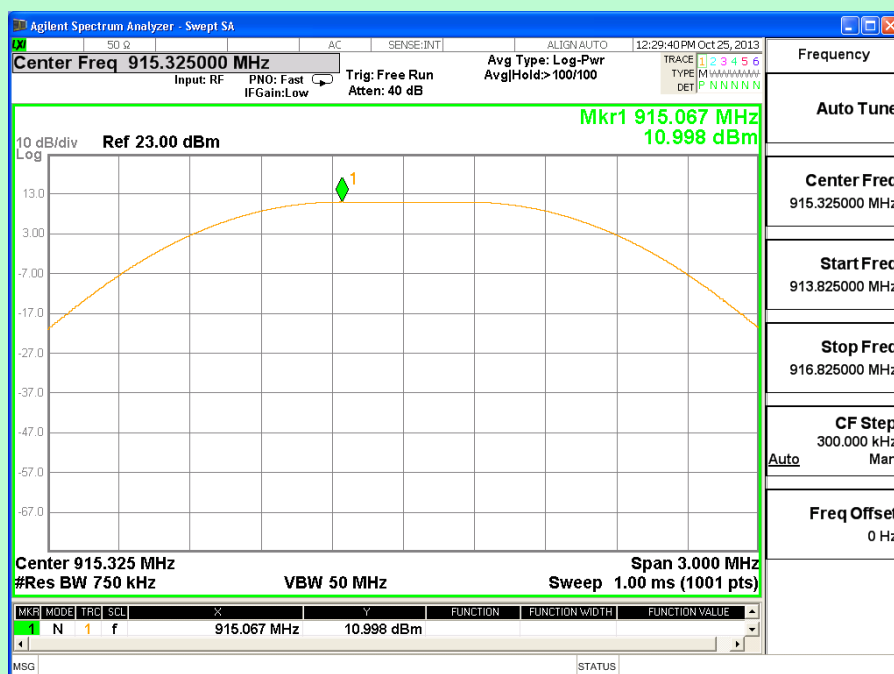
Channel 1 (902.875 MHz)



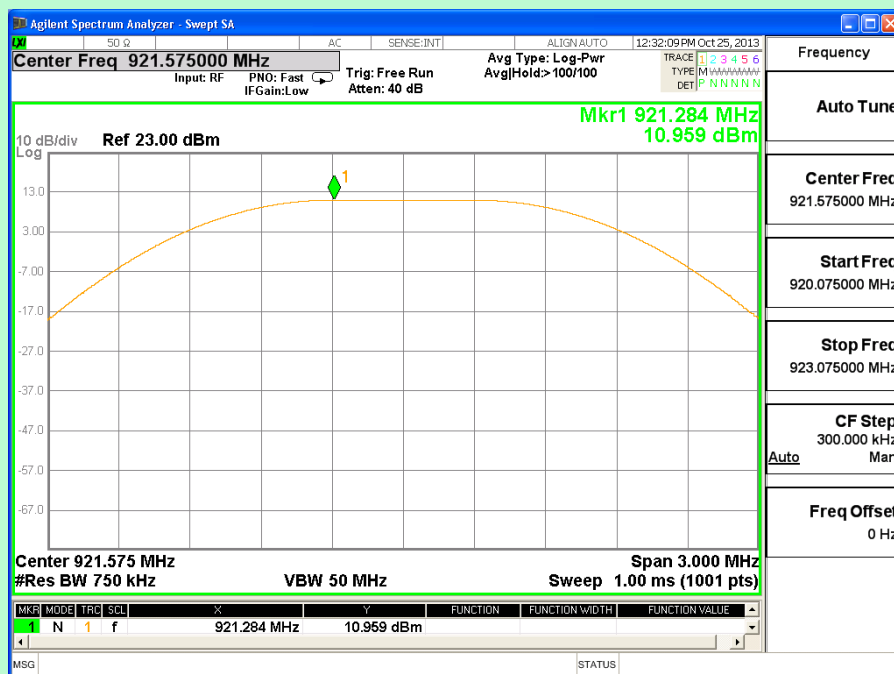
Channel 2 (908.425 MHz)



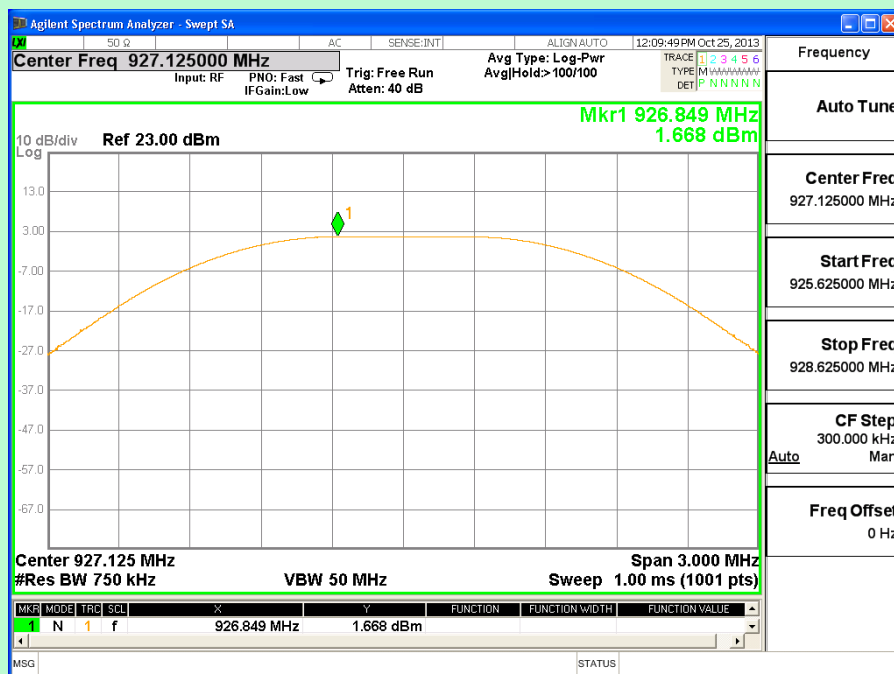
Channel 3 (914.325 MHz)



Channel 4 (915.325 MHz)



Channel 5 (921.575 MHz)



Channel 6 (927.125 MHz)

TEST RESULT						
Channel No.	Frequency	Measured Level	Cable Loss	Transmitter Output Power Level	Limit	Result
#	MHz	dBm	dB	dBm	dBm	
1	902.875	11.061	0.5	11.561	≤30	PASS
2	908.425	11.034	0.5	11.534	≤30	PASS
3	914.325	1.737	0.5	2.237	≤30	PASS
4	915.325	10.998	0.5	11.498	≤30	PASS
5	921.575	10.959	0.5	11.459	≤30	PASS
6	927.125	1.668	0.5	2.168	≤30	PASS
Note: Transmitter Output Power =Measured Level (dBm) +Cable Loss (dB)						

TEST SETUP PHOTOGRAPHS
<p>Refer Annexure – 1</p> <p>Conducted RF Test Setup</p>

3.3 MAXIMUM POWER SPECTRAL DENSITY

EUT Nomenclature	Wireless Smoke Detector	Test Request No.	EMC-0004-1
Model No.	FWD-200A CCLIMATE	Serial No.	05936
Test Start Date	25-Oct-2013	Temperature (°C)	22.9
Test End Date	25-Oct-2013	Humidity RH (%)	54.2
Tested By	Loganathan Joghee	Pressure (mbar)	NR
Input Voltage / Freq	3.3V dc		
Operating Mode	Refer Page 5 Operating Modes Table		
Test configuration	Refer Page 5 Test Configuration Table		
Deviation from Std	NIL		
Applicable standard	FCC Part 15.247		
Test Method	KDB 558074		
Comment			

TEST DETAILS

Method	<input checked="" type="checkbox"/> Conducted , <input type="checkbox"/> Radiated
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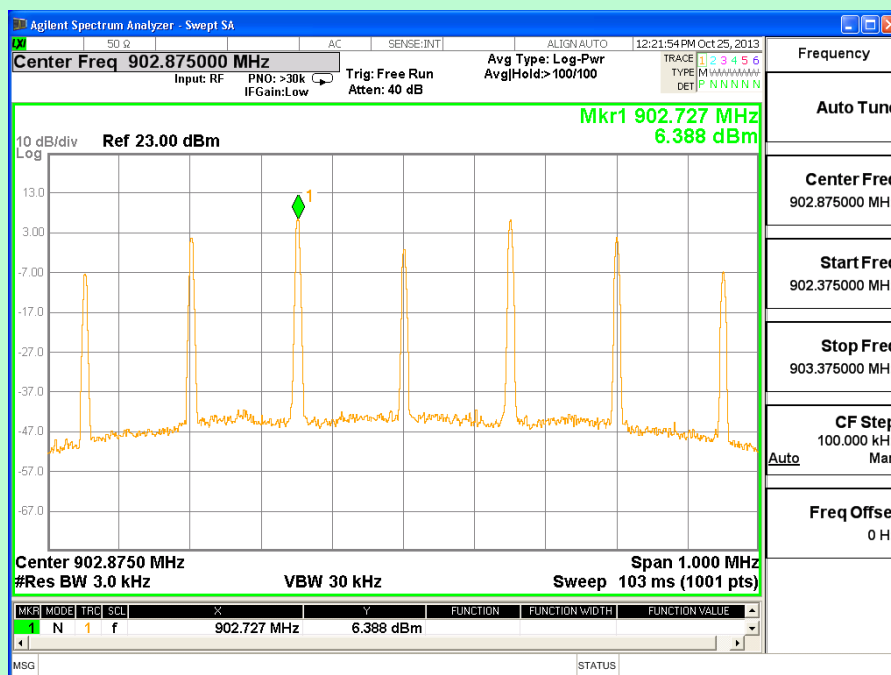
TEST PARAMETERS – RADIATED

Antenna Height	NA	Turntable Rotation	NA
Equipment Class	NA	Measurement Distance	NA

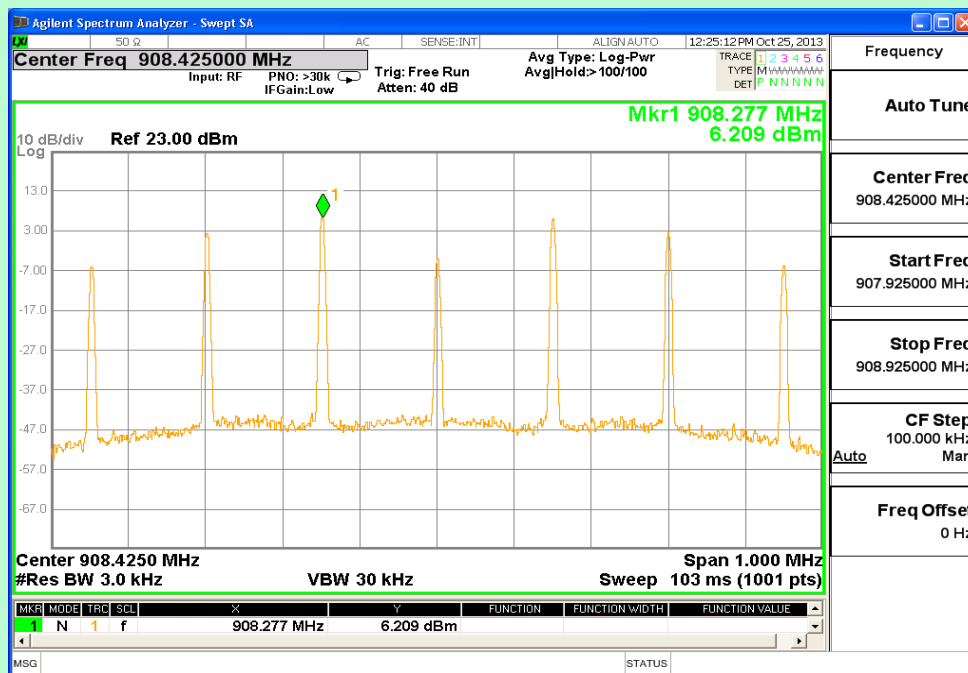
TEST EQUIPMENT

Y/N	Equipment	Make	Model	Sl. No.	Cal Due Date
Y	Spectrum Analyzer	Agilent	N9010A	MY48031005	28-Nov-2014
Y	RF Cable	Huber- Suhner	SF104/2X11PC3542/500	NA	NA

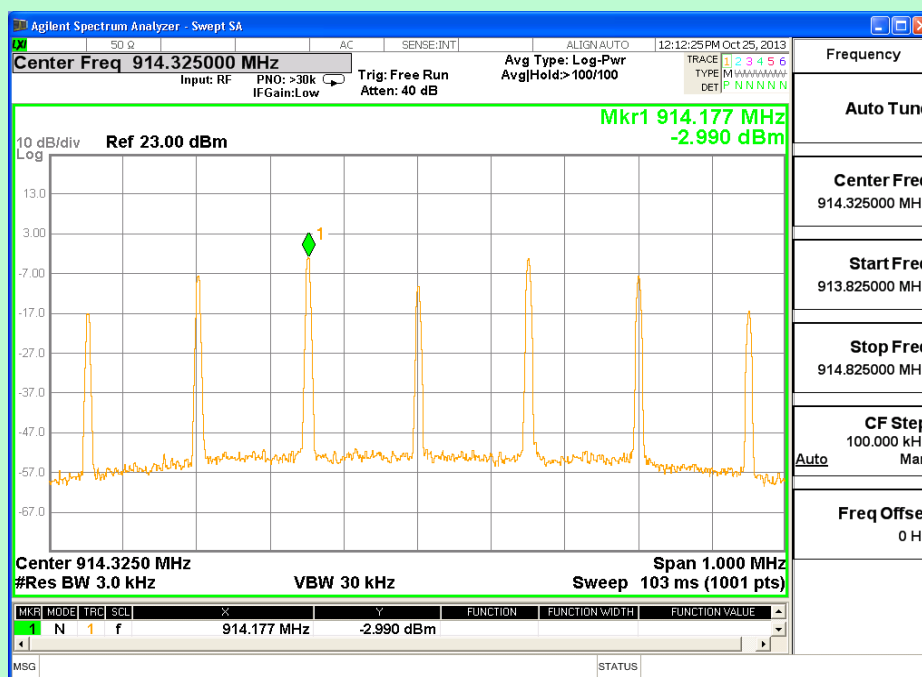
TEST GRAPHS



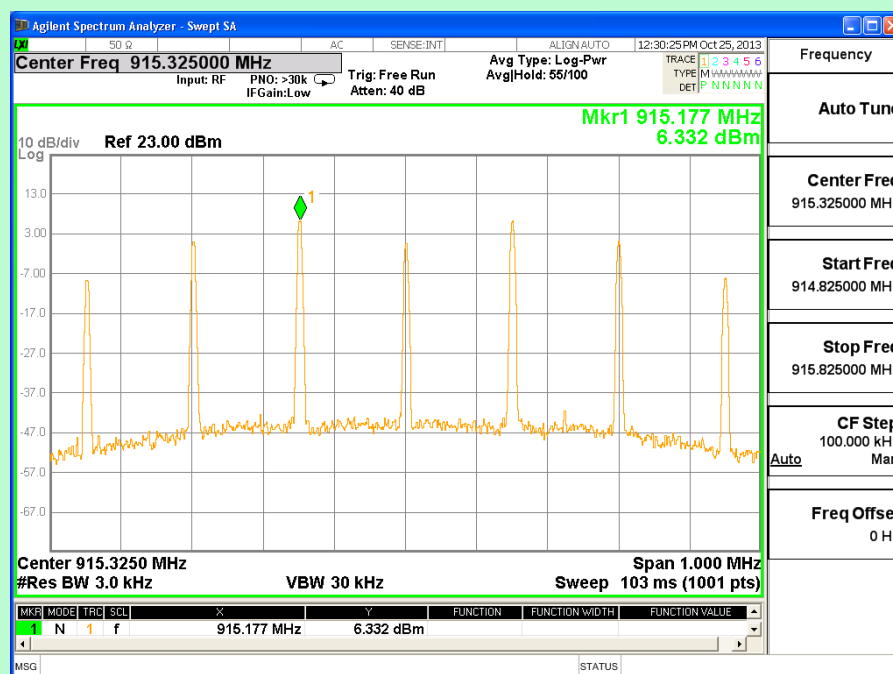
Channel 1 (902.875 MHz)



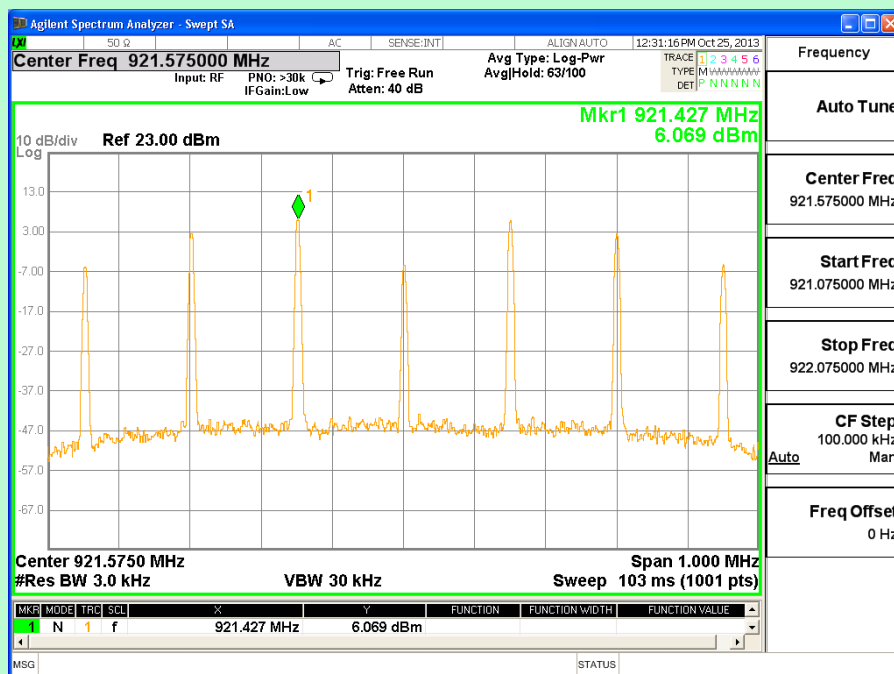
Channel 2 (908.425 MHz)



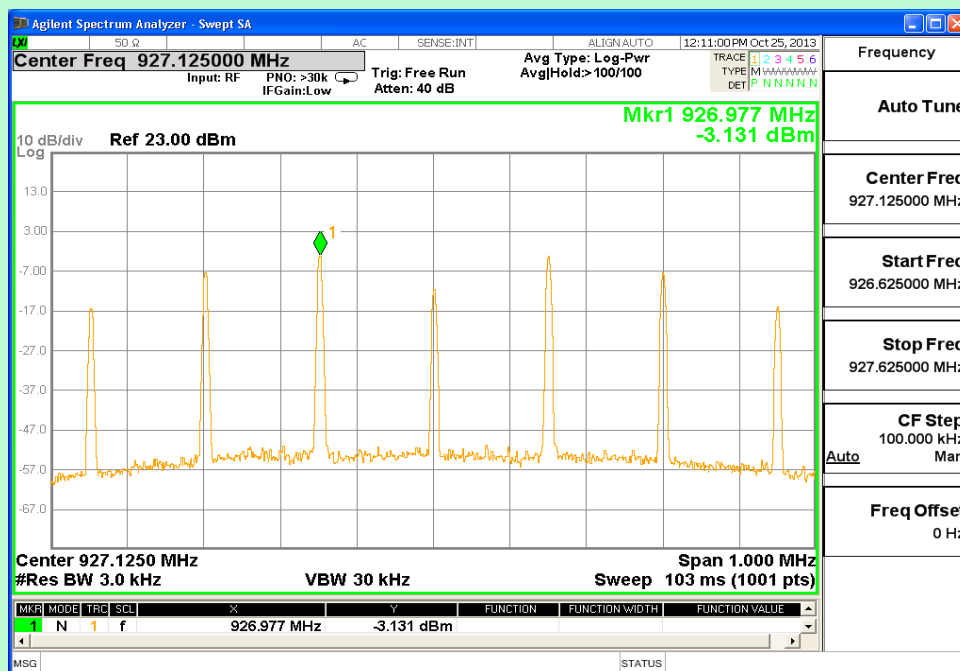
Channel 3 (914.325 MHz)



Channel 4 (915.325 MHz)



Channel 5 (921.575 MHz)



Channel 6 (927.125 MHz)

TEST RESULT				
Channel	Freq	Measured Level	Limit	Result
#	MHz	dBm/3KHz	dBm/3KHz	
1	902.875	6.388	<8	PA SS
2	908.425	6.209	<8	PA SS
3	914.325	-2.990	<8	PA SS
4	915.325	6.332	<8	PA SS
5	921.575	6.069	<8	PA SS
6	927.125	-3.131	<8	PA SS

TEST SETUP PHOTOGRAPHS
<p>Refer Annexure - 1</p> <p>Conducted RF Test Setup</p>

3.4 BAND EDGE MEASUREMENTS

EUT Nomenclature	Wireless Smoke Detector	Test Request No.	EMC-0004-1
Model No.	FWD-200A CCLIMATE	Serial No.	05936
Test Start Date	25-Oct-2013	Temperature (°C)	22.9
Test End Date	25-Oct-2013	Humidity RH (%)	54.2
Tested By	Loganathan Joghee	Pressure (mbar)	NR
Input Voltage / Freq	3.3V dc		
Operating Mode	Refer Page 5 Operating Modes Table		
Test configuration	Refer Page 5 Test Configuration Table		
Deviation from Std	NIL		
Applicable standard	FCC Part 15.247		
Test Method	KDB 558074		
Comment			

TEST DETAILS

Method	<input checked="" type="checkbox"/> Conducted , <input type="checkbox"/> Radiated
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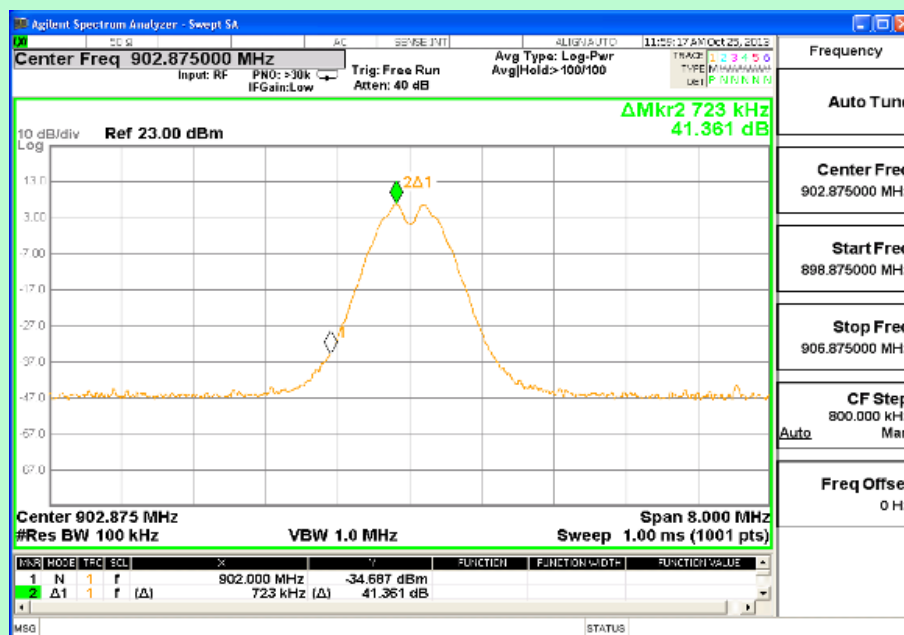
TEST PARAMETERS – RADIATED

Antenna Height	NA	Turntable Rotation	NA
Equipment Class	NA	Measurement Distance	NA

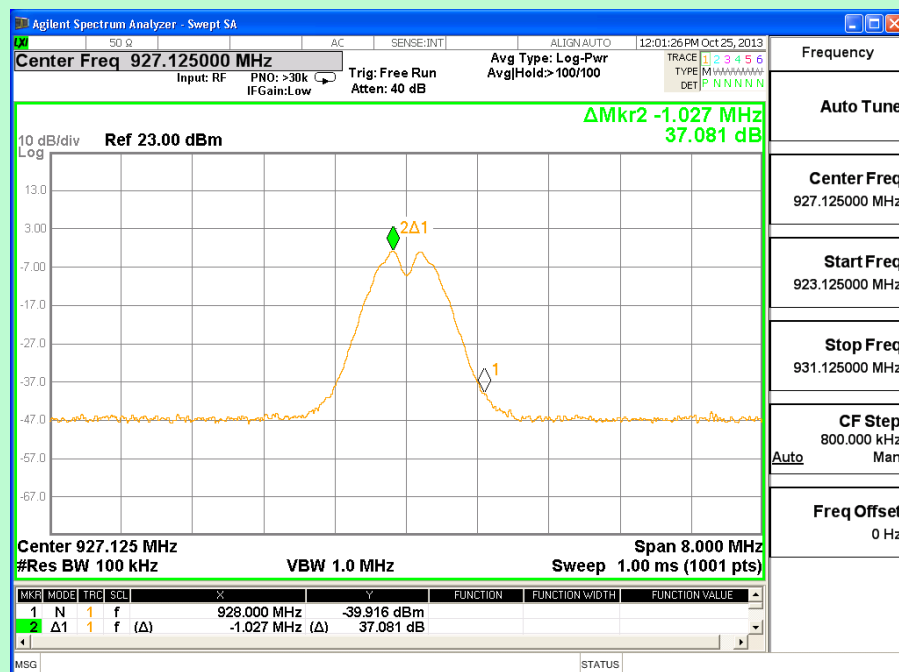
Test Equipment

Y/N	Equipment	Make	Model	Sl. No.	Cal Due Date
Y	Spectrum Analyzer	Agilent	N9010A	MY48031005	28-Nov-2014
Y	RF Cable	Huber- Suhner	SF104/2X11PC3542/500	NA	NA

TEST GRAPHS



Channel 1 (902.875 MHz)



Channel 6 (927.125 MHz)

TEST RESULT				
Channel	Frequency	Measured Level	Limit	Results
#	MHz	dB	dBc	
1	902.875	41.361	>20	PASS
6	927.125	37.081	>20	PASS

TEST SETUP PHOTOGRAPHS
<p>Refer Annexure-1</p> <p>Maximum Power Spectral Density Power Test Setup</p>