FCC Test Report

Product Name	MOTION DETECTOR
Model No.	SP814-2
FCC ID.	FU5SP814

Applicant	EVERSPRING INDUSTRY CO., LTD
Address	3F, No.50, Sec.1, Zhonghua Rd., Tucheng Dist.,
	New Taipei City 23666, Taiwan

Date of Receipt	Oct. 09, 2013
Issued Date	Oct. 21, 2013
Report No.	13A0223R-RFUSP30V01
Report Version	V1.0
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The Test Results relate only to the samples tested.

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Test Report Certification

Issued Date: Oct. 21, 2013 Report No. : 13A0223R-RFUSP30V01



Product Name	MOTION DETECTOR	
Applicant	EVERSPRING INDUSTRY CO., LTD	
Address	3F, No.50, Sec.1, Zhonghua Rd., Tucheng Dist., New Taipei City 23666, Taiwan	
Manufacturer	Dong-Guan Li Yuan Electronics Co., Ltd	
Model No.	SP814-2	
FCC ID.	FU5SP814	
EUT Rated Voltage	DC 4.5V (Power by 1.5Vx3 AA battery)	
EUT Test Voltage	DC 4.5V (Power by 1.5Vx3 AA battery)	
Trade Name	EVERSPRING	
Applicable Standard	FCC CFR Title 47 Part 15 Subpart C: 2012	
	ANSI C63.4: 2003, ANSI C63.10: 2009	
Test Result	Complied	

The Test Results relate only to the samples tested.

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Attachment 1:EUT Test PhotographsAttachment 2:EUT Detailed Photographs

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	MOTION DETECTOR
Trade Name	EVERSPRING
FCC ID.	FU5SP814
Model No.	SP814-2
Frequency Range	908.42MHz
Type of Modulation	FSK
Number of Channels	1
Channel Control	Auto
Antenna Type	Monopole

Center Frequency of Each Channel:

Channel	Frequency	Channel	Frequency	Channel	Frequency
Channel 1:	908.42MHz				

- 1. The EUT is a MOTION DETECTOR with a built-in Z-Wave transceiver module.
- 2. The new batteries are used during the measurement.
- 3. These tests are conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 15 Subpart C Paragraph 15.249.
- 4. The radiation measurements are performed in X, Y, Z axis positioning. Only the worst case is shown in the report.

Test Mode Mode 1: Transmit	
----------------------------	--

1.3. Tested System Details

The types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards) are:

Product	Manufacturer	Model No.	Serial No.	Power Cord
		N/A		

Signal Cable Type	Signal cable Description	
	N/A	

1.4. Configuration of Test System



1.5. EUT Exercise Software

- (1) Setup the EUT as shown in section 1.4.
- (2) Open the EUT power.
- (3) Starts the continuous transmit.
- (4) Verify that the EUT works correctly.

1.6. Test Facility

Items	Required (IEC 68-1)	Actual
Temperature (°C)	15-35	20-35
Humidity (%RH)	25-75	50-65
Barometric pressure (mbar)	860-1060	950-1000

Ambient conditions in the laboratory:

The related certificate for our laboratories about the test site and management system can be downloaded from QuieTek Corporation's Web Site : <u>http://tw.quietek.com/modules/myalbum/</u> The address and introduction of QuieTek Corporation's laboratories can be founded in our Web site : <u>http://www.quietek.com/</u>

Site Description:	File on		
	Federal Communications Commission		
	FCC Engineering Laboratory		
	7435 Oakland Mills Road		
	Columbia, MD 21046		
	Registration Number: 92195		
Site Name:	Quietek Corporation		
Site Address:	No. 5-22, Ruei-Shu Valley, Ruei-Ping Tsuen, Lin-Kou Shiang, Taipei, Taiwan, R.O.C. TEL: 886-2-8601-3788 / FAX : 886-2-8601-3789 E-Mail : <u>service@quietek.com</u>		

FCC Accreditation Number: TW1014

2. Conducted Emission

2.1. Test Equipment

	Equipment	Manufacturer	Model No. / Serial No.	Last Cal.	Remark
Х	Test Receiver	R & S	ESCS 30 / 825442/018	Sep., 2013	
Х	Artificial Mains Network	R & S	ENV4200 / 848411/10	Feb., 2013	Peripherals
Х	LISN	R & S	ESH3-Z5 / 825562/002	Feb., 2013	EUT
	DC LISN	Schwarzbeck	8226 / 176	Mar, 2013	EUT
Х	Pulse Limiter	R & S	ESH3-Z2 / 357.8810.52	Feb., 2013	
	No.1 Shielded Room				

Note:

- 1. All equipments are calibrated every one year.
- 2. The test instruments marked by "X" are used to measure the final test results.

2.2. Test Setup



2.3. Limits

FCC Part 15 Subpart C Paragraph 15.207 (dBuV) Limit							
Frequency	Limits						
MHz	QP	AV					
0.15 - 0.50	66-56	56-46					
0.50-5.0	56	46					
5.0 - 30	60	50					

Remarks: In the above table, the tighter limit applies at the band edges.

2.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm /50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2009 on conducted measurement.

Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

2.5. Uncertainty

 \pm 2.26 dB

2.6. Test Result of Conducted Emission

Owing to the EUT use battery supply voltage, this test item is not performed.

3. Radiated Emission

3.1. Test Equipment

The following test equipment are used during the radiated emission test:

Test Site	Equipment		Manufacturer	Model No./Serial No.	Last Cal.
Site # 3	Х	Bilog Antenna	Schaffner Chase	CBL6112B/2673	Sep., 2013
	Х	Horn Antenna	Schwarzbeck	BBHA9120D/D305	Sep., 2013
	Х	Horn Antenna	Schwarzbeck	BBHA9170/208	Jul., 2013
Х		Pre-Amplifier	QTK	QTK-AMP-03 / 0003	May, 2013
	Х	Pre-Amplifier	QTK	AP-180C / CHM_0906076	Sep., 2013
	Х	Pre-Amplifier	MITEQ	AMF-4D-180400-45-6P/ 925975	Mar, 2013
	Х	Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2013
	Х	Test Receiver	R & S	ESCS 30/ 825442/018	Sep., 2013
	Х	Coaxial Cable	QuieTek	QTK-CABLE/ CAB5	Feb., 2013
	Х	Controller	QuieTek	QTK-CONTROLLER/ CTRL3	N/A
	Χ	Coaxial Switch	Anritsu	MP59B/6200265729	N/A

Note: 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

2. The test instruments marked with "X" are used to measure the final test results.

3.2. Test Setup

Below 1GHz



Above 1GHz



3.3. Limits

FCC Part 15 Subpart C Paragraph 15.249 Limits							
Frequency	Field Strength	of Fundamental	Field Strength of Harmonics				
MHz	(mV/m @3m)	(dBuV/m @3m)	(uV/m @3m)	(dBuV/m @3m)			
902-928	50	94	500	54			
2400-2483.5	50	94	500	54			
5725-5875	50	94	500	54			

> Fundamental and Harmonics Emission Limits

Remarks : 1. RF Voltage $(dBuV/m) = 20 \log RF$ Voltage (uV/m)

2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

General Radiated Emission Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

FCC Part 15 Subpart C Paragraph 15.209(a) Limits							
Frequency MHz	Field strength (microvolts/meter)	Measurement distance (meter)					
0.009-0.490	2400/F(kHz)	300					
0.490-1.705	24000/F(kHz)	30					
1.705-30	30	30					
30-88	100	3					
88-216	150	3					
216-960	200	3					
Above 960	500	3					

Remarks : 1. RF Voltage $(dBuV/m) = 20 \log RF$ Voltage (uV/m)

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

3.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2009 on radiated measurement.

The resolution bandwidth below 30MHz setting on the field strength meter is 9kHz and 30MHz~1GHz is 120kHz and above 1GHz is 1MHz.

Radiated emission measurements below 30MHz are made using Loop Antenna and 30MHz~1GHz are made using broadband Bilog antenna and above 1GHz are made using Horn Antennas. The measurement is divided into the Preliminary Measurement and the Final Measurement. The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 dB bandwidth of the antenna. The worst radiated emission is measured in the Open Area Test Site on the Final Measurement.

3.5. Uncertainty

- ± 3.9 dB above 1GHz
- \pm 3.8 dB below 1GHz

3.6. Test Result of Radiated Emission

Product	:	MOTION I	DETECTOR							
Test Item	:	Fundament	Fundamental Radiated Emission							
Test Site	:	No.3 OATS								
Test Mode	:	Mode 1: Tra	ansmit (x-axis)							
Frequency		Correct	Reading	Measurement	Margin	Limit				
MHz		dB	dBuV	dBuV/m	dB	dBuV/m				
Horizontal Peak Detector: 908.400		27.926	60.720	88.646	-25.354	114.000				
Vertical Peak Detector:		29.036	66 080	95 116	-18 884	114.000				

Note:

- 1. Measurement Level = Reading Level + Correct Factor.
- 2. Correct Factor = Antenna Factor + Cable Loss PreAMP.
- 3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Average Detector:

Frequency	Peak Measurement	Duty Cycle Correct Factor	Measurement Level	Margin	Limit
MHz	dBuV/m	dB	dBuV/m	dB	dBuV/m
Horizontal Average Detector:					
908.4	88.646	-20.000	68.646	-25.354	94.000
Vertical Average Detector:					
908.4	95.116	-20.000	75.116	-18.884	94.000

Note:

1. AVG Measurement=Peak Measurement + Duty Cycle Correct Factor.

2. The Duty Cycle is refer to section 5.

Flouuet	•	MOTION DETECTOR							
Test Item	:	Fundamenta	Fundamental Radiated Emission						
Test Site	:	No.3 OATS	No.3 OATS						
Test Mode	:	Mode 1: Tra	ansmit (y-axis)						
Frequency		Correct Factor	Reading Level	Measurement Level	Margin	Limit			
MHz		dB	dBuV	dBuV/m	dB	dBuV/m			
Horizontal									
Peak Detector:									
I cun 2 crectori									
908.400		27.926	67.000	94.926	-19.074	114.000			
908.400 Vertical Peak Detector:		27.926	67.000	94.926	-19.074	114.000			

Note:

- 1. Measurement Level = Reading Level + Correct Factor.
- 2. Correct Factor = Antenna Factor + Cable Loss PreAMP.
- 3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Average Detector:

Frequency	Peak Measurement	Duty Cycle Correct Factor	Measurement Level	Margin	Limit
MHz	dBuV/m	dB	dBuV/m	dB	dBuV/m
Horizontal Average Detector:					
908.4	94.926	-20.000	74.926	-19.074	94.000
Vertical Average Detector:					
908.4	88.386	-20.000	68.386	-25.614	94.000

- 1. AVG Measurement=Peak Measurement + Duty Cycle Correct Factor.
- 2. The Duty Cycle is refer to section 5.

Product	:	MOTION DETECTOR								
Test Item	:	Fundament	Fundamental Radiated Emission							
Test Site	:	No.3 OATS	5							
Test Mode	:	Mode 1: Tr	ansmit (z-axis)							
Frequency		Correct	Reading	Measurement	Margin	Limit				
		Factor	Level	Level						
MHz		dB	dBuV	dBuV/m	dB	dBuV/m				
Horizontal										
Peak Detector:										
908.400		27.926	66.770	94.696	-19.304	114.000				
Vertical										
Vertical Peak Detector:										

Note:

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- 1. Measurement Level = Reading Level + Correct Factor.
- 2. Correct Factor = Antenna Factor + Cable Loss PreAMP.
- 3. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

Average Detector:

Frequency	Peak	Duty Cycle	Measurement	Margin	Limit
	Measurement	Correct Factor	Level		
MHz	dBuV/m	dB	dBuV/m	dB	dBuV/m
Horizontal Average Detector:					
908.4	94.696	-20.000	74.696	-19.304	94.000
Vertical Average Detector:					
908.4	86.256	-20.000	66.256	-27.744	94.000

- 1. AVG Measurement=Peak Measurement + Duty Cycle Correct Factor.
- 2. The Duty Cycle is refer to section 5.

Product	: MOTION DETECTOR								
Test Item	: Harmon	: Harmonic Radiated Emission Data							
Test Site	: No.3 OA	: No.3 OATS							
Test Mode	: Mode 1: Transmit								
Frequency	Correct	Reading	Measurement	Margin	Limit				
	Factor	Level	Level						
MHz	dB	dBuV	dBuV/m	dB	dBuV/m				
Horizontal									
Peak Detector:									
1816.800	-4.390	45.700	41.310	-32.690	74.000				
2725.200	-1.076	37.910	36.834	-37.166	74.000				
3633.600	-0.394	40.080	39.686	-34.314	74.000				
4542.000	1.902	33.960	35.861	-38.139	74.000				
5450.400	4.226	33.530	37.756	-36.244	74.000				
6358.800	6.501	33.630	40.131	-33.869	74.000				
7267.200	11.103	33.870	44.973	-29.027	74.000				
8175.600	14.922	33.500	48.422	-25.578	74.000				
9084.000	13.022	34.370	47.392	-26.608	74.000				

Average Detector: --

Note:

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- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.

- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	: MOTION DETECTOR											
Test Item	: Harmon	: Harmonic Radiated Emission Data										
Test Site	: No.3 OA	ATS										
Test Mode	: Mode 1:	Transmit										
Frequency	Correct	Reading	Measurement	Margin	Limit							
	Factor	Level	Level									
MHz	dB	dBuV	dBuV/m	dB	dBuV/m							
Vertical												
Peak Detector:												
1816.800	-2.612	41.560	38.947	-35.053	74.000							
2725.200	-1.228	37.290	36.061	-37.939	74.000							
3633.600	0.379	40.240	40.619	-33.381	74.000							
4542.000	5.407	34.320	39.727	-34.273	74.000							
5450.400	5.974	34.040	40.014	-33.986	74.000							
6358.800	7.974	33.600	41.574	-32.426	74.000							
7267.200	11.922	34.660	46.582	-27.418	74.000							
8175.600	15.634	33.790	49.425	-24.575	74.000							
9084.000	13.142	33.870	47.012	-26.988	74.000							

Average Detector:

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- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product	:	MOTION DETECTOR
Test Item	:	General Radiated Emission Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmit

Frequency	Correct	Reading	Measurement	Margin	Limit	
	Factor	Level	Level			
MHz	dB	dBuV	dBuV/m	dB	dBuV/m	
Horizontal						
103.720	-6.751	24.862	18.110	-25.390	43.500	
258.920	-5.050	24.735	19.685	-26.315	46.000	
379.200	-1.005	24.166	23.160	-22.840	46.000	
544.100	3.512	25.885	29.397	-16.603	46.000	
644.980	1.552	27.652	29.204	-16.796	46.000	
833.160	5.643	24.974	30.616	-15.384	46.000	
Vertical						
256.980	-7.573	25.744	18.171	-27.829	46.000	
400.540	-5.156	25.165	20.010	-25.990	46.000	
544.100	-0.688	25.403	24.715	-21.285	46.000	
685.720	2.319	23.096	25.414	-20.586	46.000	
844.800	3.181	23.473	26.654	-19.346	46.000	
970.900	7.302	23.010	30.312	-23.688	54.000	

- 1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
- 2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
- 3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
- 4. Measurement Level = Reading Level + Correct Factor.
- 5. Correct Factor = Antenna factor + Cable loss Amplifier gain.
- 6. The average measurement was not performed when the peak measured data under the limit of average detection.
- 7. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 8. No emission found between lowest internal used/generated frequency to 30MHz.

4. Band Edge

4.1. Test Equipment

The following test equipments are used during the band edge tests:

Test Site		Equipment	Manufacturer	Model No./Serial No.	Last Cal.
Site # 3		Bilog Antenna	Schaffner Chase	CBL6112B/2673	Sep., 2013
	Х	Horn Antenna	Schwarzbeck	BBHA9120D/D305	Sep., 2013
		Horn Antenna	Schwarzbeck	BBHA9170/208	Jul., 2013
	Х	Pre-Amplifier	QTK	QTK-AMP-03 / 0003	May, 2013
		Pre-Amplifier	QTK	AP-180C / CHM_0906076	Sep., 2013
		Pre-Amplifier	MITEQ	AMF-4D-180400-45-6P/ 925975	Mar, 2013
	Х	Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2013
		Test Receiver	R & S	ESCS 30/ 825442/018	Sep., 2013
	Х	Coaxial Cable	QuieTek	QTK-CABLE/ CAB5	Feb., 2013
	Х	Controller	QuieTek	QTK-CONTROLLER/ CTRL3	N/A
	Χ	Coaxial Switch	Anritsu	MP59B/6200265729	N/A

Note: 1. All equipments are calibrated every one year.

2. The test equipments marked by "X" are used to measure the final test results.

4.2. Test Setup



4.3. Limit

Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

4.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10:2009 on radiated measurement.

The bandwidth below 1GHz setting on the field strength meter (R&S Test Receiver ESCS 30)is 120 kHz, above 1GHz are 1 MHz.

4.5. Uncertainty

Radiated is \pm 3.9 dB.

4.6. Test Result of Band Edge

Product	:	MOTION DETECTOR
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmit

RF Radiated Measurement (Horizontal):

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Quasi-Peak Limit (dBuV/m)	Result
01(Quasi-Peak)	902.000	5.628	32.690	38.318	46.000	Pass
02(Quasi-Peak)	928.000	6.848	24.970	31.817	46.000	Pass

Figure Channel 01:

Horizontal (Quasi-Peak)



- 1. Quasi-Peak measurements: RBW=100kHz,VBW=1MHz,Sweep: Auto.
- 2. "*", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.

Product	:	MOTION DETECTOR
Test Item	:	Band Edge Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmit

RF Radiated Measurement (Vertical):

No.	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Emission Level (dBuV/m)	Quasi-Peak Limit (dBuV/m)	Result
01(Quasi-Peak)	902.000	3.155	25.870	29.024	46.000	Pass
02(Quasi-Peak)	928.000	6.160	25.160	31.320	46.000	Pass

Figure Channel 01:

Vertical (Quasi-Peak)



- 1. Quasi-Peak measurements: RBW=100kHz,VBW=1MHz,Sweep: Auto.
- 2. "*", means this data is the worst emission level.
- 3. Measurement Level = Reading Level + Correct Factor.

5. Duty Cycle

5.1. Test Equipment

The following test equipments are used during the band edge tests:

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2013
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2013
Х	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2013

Note: 1. All equipments are calibrated every one year.

2. The test equipments marked by "X" are used to measure the final test results.

5.2. Test Setup



5.3. Uncertainty

± 150Hz

5.4. Test Result of Duty Cycle

Product	:	MOTION DETECTOR
Test Item	:	Duty Cycle Data
Test Site	:	No.3 OATS
Test Mode	:	Mode 1: Transmit

Agiler	nt Spe	ctrum	n Ana	alyze	r - Sw	/ept 9	SA																		
<mark>ير)</mark> Cer	iter	Fre	RF q 9	908	50 ເ .40	000)0 00	MH:	z		_] Trig	SENS Delay	5E:IN r: -10 0	⊺ .00 ms	Avg	Туре	ALIGN A	uto Pwr	11:	10:51 / TRAI	AM Oct	18,2013 3 4 5 6	5	Frequency
10 d	B/div	·	Ref	⁷ 0.0)0 d	Bm		IF	'NO: I Gain	Fast :Lov	v	Atte	en: 10	dB					Δ	Mkr	·1 1	ет <mark>Р М</mark> 0.0(1.0) ms 3 dB		Auto Tune
-10.0 -20.0 -30.0			X	2		12	∆2																		Center Freq 908.400000 MHz
-40.0 -50.0 -60.0																							TRIG L VL		Start Freq 908.400000 MHz
-70.0 -80.0 -90.0	ntilm	Apgle grade	-M-			m	nt in the second	,It _{V∩} ,	u sini 4	ኡ ሎ	v.~\$~	eri-jiyin	Wa	aitin	ig for	trigg	ier	ANTA-PROJA	£γγ _t γ~α _θ γ	*********	∕₩/ *	AP NA ^C Y	1-1 *1.48 1		Stop Freq 908.400000 MHz
Cen Res	BW	908. 56 1120	.40 0 k	000 Hz	0 M	Hz				VE	sw :	560 k	Hz		FUNC	TION	I FUN	Swee	ep 1 VIONH	00.0	s ms (www.	Spar (100 MVAU	0 Hz 1 pts)		CF Step 560.000 kHz Auto Man
1 2 3 4 5 6 7 8 9 10 11 12	<u>Λ2</u> F	1	t t					<u>10</u> 9.7	.00 r 700 r	ns ns		-26.:	1.03 c 28 dB	iB m											Freq Offset 0 Hz
MSG																		:	STATUS	8					

Time on of 100ms= 10.000 ms Duty Cycle= 10ms / 100ms= 0.1 Duty Cycle correction factor= 20 LOG 0.1= -20.000 dB

Duty Cycle correction factor	-20.000	dB	
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6. EMI Reduction Method During Compliance Testing

No modification was made during testing.

Attachment 1 : EUT Test Photographs

Attachment 2 : EUT Detailed Photographs