FCC Test Report

Product Name	MOTION DETECTOR
Model No.	HSP02-0
FCC ID.	FU5HSP02

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.	13A0215R-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. : 13A0215R-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.	HSP02-0
FCC ID.	FU5HSP02
EUT Rated Voltage	DC 3V (Power by battery)
EUT Test Voltage	DC 3V (Power by 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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Anita Chon Documented By :

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(Engineer / Alan Chen)

Approved By

(Manager / Vincent Lin)

TABLE OF CONTENTS

	Description	Page
1.	GENERAL INFORMATION	4
1.1.	EUT Description	4
1.2.	Operation Description	5
1.3.	Tested System Details	6
1.4.	Configuration of Test System	6
1.5.	EUT Exercise Software	6
1.6.	Test Facility	7
2.	Conducted Emission	8
2.1.	Test Equipment	8
2.2.	Test Setup	8
2.3.	Limits	9
2.4.	Test Procedure	9
2.5.	Uncertainty	9
2.6.	Test Result of Conducted Emission	10
3.	Radiated Emission	11
3.1.	Test Equipment	11
3.2.	Test Setup	12
3.3.	Limits	13
3.4.	Test Procedure	14
3.5.	Uncertainty	14
3.6.	Test Result of Radiated Emission	15
4.	Band Edge	21
4.1.	Test Equipment	21
4.2.	Test Setup	22
4.3.	Limit	22
4.4.	Test Procedure	23
4.5.	Uncertainty	23
4.6. -	Test Result of Band Edge	24
5.	Duty Cycle	
5.1.	Test Equipment	
5.2.	Test Setup	
5.3.	Uncertainty	
5.4.	Test Result of Duty Cycle	27
0.	ENIT Reduction Method During Compliance Testing	

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.	FU5HSP02
Model No.	HSP02-0
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 1: Transmit	
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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	X	Bilog Antenna	Schaffner Chase	CBL6112B/2673	Sep., 2013
	X	Horn Antenna	Schwarzbeck	BBHA9120D/D305	Sep., 2013
	Х	Horn Antenna	Schwarzbeck	BBHA9170/208	Jul., 2013
	X Pre-Amplifier QT		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
	Х	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	5							
Test Mode	:	Mode 1: Tr	ansmit (x-axis)							
Frequency		Correct	Reading	Measurement	Margin	Limit				
MHz		dB	dBuV	dBuV/m	dB	dBuV/m				
Horizontal Peak Detector: 908.400		27.926	61.200	89.126	-24.874	114.000				
Vertical Peak Detector:		20.026	<5 7 00	04.726	10.264	114.000				
908,400		29.036	65.700	94./36	-19.264	114.000				

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 Measurement	Duty Cycle Correct Factor	Measurement Level	Margin	Limit
MHz	dBuV/m	dB	dBuV/m	dB	dBuV/m
Horizontal Average Detector:	00.404	•••••			0.4.00.0
908.4	89.126	-20.087	69.039	-24.961	94.000
Vertical Average Detector:			- 1 - 10	10.000	
908.4	94.736	-20.087	74.649	-19.351	94.000

Note:

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 (y-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	65.400	93.326	-20.674	114.000			
Vertical									
Vertical Peak Detector:									

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	Duty Cycle	Measurement	Margin	Limit
	Measurement	Correct Factor	Level		
MHz	dBuV/m	dB	dBuV/m	dB	dBuV/m
Horizontal Average Detector:					
908.4	93.326	-20.087	73.239	-20.761	94.000
Vertical Average Detector:					
908.4	91.636	-20.087	71.549	-22.451	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	:	Fundamenta	Fundamental Radiated Emission						
Test Site	:	No.3 OATS							
Test Mode	:	Mode 1: Tra	ansmit (z-axis)						
Frequency		Correct	Reading	Measurement	Margin	Limit			
		Factor	Level	Level					
MHz		dB	dBuV	dBuV/m	dB	dBuV/m			
Horizontal									
Peak Detector:									
Peak Detector: 908.400		27.926	66.300	94.226	-19.774	114.000			
Peak Detector: 908.400		27.926	66.300	94.226	-19.774	114.000			
Peak Detector: 908.400 Vertical		27.926	66.300	94.226	-19.774	114.000			
Peak Detector: 908.400 Vertical Peak Detector:		27.926	66.300	94.226	-19.774	114.000			
Peak Detector: 908.400 Vertical Peak Detector: 908.400		27.926 29.036	66.300 56.700	94.226 85.736	-19.774 -28.264	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	Duty Cycle	Measurement	Margin	Limit
	Measurement	Correct Factor	Level		
MHz	dBuV/m	dB	dBuV/m	dB	dBuV/m
Horizontal Average Detector:					
908.4	94.226	-20.087	74.139	-19.861	94.000
Vertical Average Detector:					
908.4	85.736	-20.087	65.649	-28.351	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	: Harmonic 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							
Peak Detector:							
1816.800	-4.390	48.840	44.450	-29.550	74.000		
2725.200	-1.076	38.530	37.454	-36.546	74.000		
3633.600	-0.394	40.830	40.436	-33.564	74.000		
4542.000	1.902	33.470	35.371	-38.629	74.000		
5450.400	4.226	33.580	37.806	-36.194	74.000		
6358.800	6.501	33.650	40.151	-33.849	74.000		
7267.200	11.103	34.530	45.633	-28.367	74.000		
8175.600	14.922	33.870	48.792	-25.208	74.000		
9084.000	13.022	33.810	46.832	-27.168	74.000		

Average Detector:

- 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	: MOTIO	N DETECTOR			
Test Item	: Harmon	ic Radiated Emiss	sion 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	43.800	41.187	-32.813	74.000
2725.200	-1.228	38.240	37.011	-36.989	74.000
3633.600	0.379	40.470	40.849	-33.151	74.000
4542.000	5.407	33.510	38.917	-35.083	74.000
5450.400	5.974	33.730	39.704	-34.296	74.000
6358.800	7.974	33.300	41.274	-32.726	74.000
7267.200	11.922	34.410	46.332	-27.668	74.000
8175.600	15.634	34.310	49.945	-24.055	74.000
9084.000	13.142	34.300	47.442	-26.558	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.
- 8. No emission found between lowest internal used/generated frequency to 30MHz.

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					
177.440	-10.879	30.108	19.229	-24.271	43.500
319.060	-4.317	31.296	26.979	-19.021	46.000
447.100	-2.726	29.868	27.142	-18.858	46.000
544.100	3.512	26.508	30.020	-15.980	46.000
644.980	1.552	27.838	29.390	-16.610	46.000
813.760	5.098	26.980	32.078	-13.922	46.000
Vertical					
107.600	-0.318	26.391	26.073	-17.427	43.500
256.980	-7.573	26.520	18.947	-27.053	46.000
377.260	-1.765	24.275	22.510	-23.490	46.000
544.100	-0.688	24.452	23.764	-22.236	46.000
687.660	2.444	23.043	25.487	-20.513	46.000
806.000	3.908	23.152	27.060	-18.940	46.000

- 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.

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
	Х	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	33.740	39.368	46.000	Pass
02(Quasi-Peak)	928.000	6.848	26.120	32.967	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	28.820	31.974	46.000	Pass
02(Quasi-Peak)	928.000	6.160	33.950	40.110	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	ctru	m Ar	alyze	er - Sw	/ept S	A											
<mark>ير،</mark> Cen	iter	Fre	RF eq	908	50 ន 3.40	2 A0	0 M	Hz			SEN Trig Dela Trig: Vide	ise:int y: -10.00 n	ıs Avg	Туре	ALIGNAUTO : Log-Pwr	11:07:52 TRA	AM Oct 18, 2013 CE 1 2 3 4 5 6 PE WAMAAAAAA	Frequency
10 d	B/div		Re	f 0.	00 d	Bm		IFGa	0: Fast ain:Lov	v W	Atten: 10	dB			Δ	Mkr1 9	.900 ms 0.02 dB	Auto Tune
-10.0 -20.0 -30.0						12	<u>\</u> 2 —											Center Freq 908.400000 MHz
-40.0 -50.0 -60.0																	TRIG LVL	Start Freq 908.400000 MHz
-70.0 -80.0 -90.0	(w)	1+**	5-104				in an the	yaluhjer	ulvine,	Here A	њ _р еји, _с , на на на W	aiting fo	or trigg	er	***	_ม ลาวระห ¹ าประหาศาสตร	¹ 4(าป _ี การ์-เกาะสะบุ	Stop Freq 908.400000 MHz
Cen Res	Iter BW	908 / 56	3.40 50 k 1 sol	000 Hz	00 M	Hz	×		VE	зw	560 kHz Y	FU	NCTION	FUN	Sweep 1	؟ 00.0 ms ا FUNCT	Span 0 Hz (1001 pts) IN VALUE	CF Step 560.000 kHz <u>Auto</u> Man
1 2 3 4 5 6 7 8	<u>Δ2</u> F	1						9.90	<u>0 ms</u>	<u>(</u> Δ)	0.02 -29.78 dE	dB 3m						Freq Offset 0 Hz
9 10 11 12 MSG															STATUS	3		

Time on of 100ms= 9.900 ms Duty Cycle= 9.9ms / 100ms= 0.099 Duty Cycle correction factor= 20 LOG 0.099= -20.087 dB

	Duty Cycle correction factor	-20.087	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