

Shenzhen Huatongwei International Inspection Co., Ltd.

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Jeff Sun

TEST REPORT

Report Reference No.....: TRE1609006102 R/C.......91606

FCC ID.....: 2AKFJ-278RTW-TX

Applicant's name.....: Shenzhen Allied Control System Co.,LTD

Town, Bao An District, Shenzhen City, Guangdong

Province ,P.R..China

Manufacturer...... Shenzhen Allied Control System Co.,LTD

Town, Bao An District, Shenzhen City, Guangdong

Province ,P.R..China

Test item description: WIFI Thermostat

Trade Mark RADIANT Cloudwarm

Model/Type reference...... HRT-278RTW-TX

Listed Model(s) -

Standard: FCC CFR Title 47 Part 15 Subpart C Section 15.249

Date of receipt of test sample...... Sept. 13,2016

Date of testing...... Sept. 14,2016 - Oct. 31,2016

Date of issue...... Nov. 14,2016

Result...... PASS

Compiled by

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Supervised by

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Approved by

(position+printedname+signature)....: RF Manager Hans Hu

Testing Laboratory Name: Shenzhen Huatongwei International Inspection Co., Ltd.

Gongming, Shenzhen, China

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1. TEST STANDARDS AND TEST DESCRIPTION

1.1. Test Standards

The tests were performed according to following standards:

<u>FCC Rules Part 15.249:</u>Operation within the bands 902-928 MHz, 2400-2483.5 MHz, 5725-5875 MHZ, and 24.0-24.25 GHz.

ANSI C63.10-2013: American National Standard for Testing Unlicensed Wireless Devices.

1.2. Report version

Version No.	Date of issue	Description
00	Nov. 14, 2016	Original

Report Template Version: H00 (2016-08)

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2. Test Description

Test Item	Section in CFR 47	Result
Antenna requirement	15.203	Pass
AC Power Line Conducted Emission	15.207	Pass
20dB Occpied Bandwidth	15.215/15.249	Pass
Field strength of the Fundamental signal	15.249(a)	Pass
Spurious Emissions	15.209/15.249(a)	Pass
Band edge	15.205/15.249(d)	Pass

Remark: The measurement uncertainty is not included in the test result.

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3. **SUMMARY**

3.1. Client Information

Applicant: Shenzhen Allied Control System Co.,LTD	
Address: 6-7th floor,Blk.C,Junxing Industrial Area B,HePing,Fuyong Town, District,Shenzhen City,Guangdong Province ,P.RChina	
Manufacturer:	Shenzhen Allied Control System Co.,LTD
Address:	6-7th floor,Blk.C,Junxing Industrial Area B,HePing,Fuyong Town,Bao An District,Shenzhen City,Guangdong Province ,P.RChina

3.2. Product Description

Name of EUT	WIFI Thermostat
Trade Mark:	RADIANT Cloudwarm
Model No.:	HRT-278RTW-TX
Listed Model(s):	-
Power supply:	AC 120V/60Hz
Adapter information:	Model: S005ANV0500100 Input: 100-240Va.c., 50/60Hz, 200mA; Output: 5.0Vd.c., 1000mA
Operation frequency:	915MHz
Channel number:	1
Modulation Type:	FSK
Antenna type:	Integral antenna
Antenna gain:	2.00dBi

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3.3. EUT operation mode

For RF test items
The engineering test program was provided and enabled to make EUT continuous transmit.
For AC power line conducted emissions:
The EUT was set to connect with large package sizes transmission.

3.4. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

- supplied by the manufacturer
- O supplied by the lab

0	Manufacturer :	/
	Model No. :	1
0	Manufacturer :	/
	Model No. :	/

3.5. Modifications

No modifications were implemented to meet testing criteria.

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4. TEST ENVIRONMENT

4.1. Address of the test laboratory

Laboratory: Shenzhen Huatongwei International Inspection Co., Ltd.

Address: 1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China Phana: 86, 755, 26748040, Fay: 86, 755, 26748040

Phone: 86-755-26748019 Fax: 86-755-26748089

4.2. Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS-Lab Code: L1225

Shenzhen Huatongwei International Inspection Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC17025: 2005 General Requirements) for the Competence of Testing and Calibration Labo

ratories, Date of Registration: February 28, 2015. Valid time is until February 27, 2018.

A2LA-Lab Cert. No. 3902.01

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been accredited by A2LA for tec hnical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing. Valid time is until December 31, 2016.

FCC-Registration No.: 317478

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FC C is maintained in our files. Registration 317478, Renewal date Jul. 18, 2014, valid time is until Jul. 18, 2017.

IC-Registration No.: 5377A&5377B

The 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 5377A on Dec. 31, 2013, valid time is until Dec. 31, 2016.

Two 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 5377B on Dec.03, 2014, valid time is until Dec.03, 2017.

ACA

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory can also perform testing for the Australian C-Tick mark as a result of our A2LA accreditation.

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4.3. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15~35°C
lative Humidity:	30~60 %
Air Pressure:	950~1050mba

4.4. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01"Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1"and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2 " and is documented in the Shenzhen Huatongwei International Inspection Co., Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen Huatongwei laboratory is reported:

Test Items	MeasurementUncertainty	Notes
Conducted spurious emission 9KHz-30MHz	3.39 dB	(1)
Radiated Emission 30~1000MHz	4.24 dB	(1)
Radiated Emission 1~18GHz	5.16 dB	(1)
Radiated Emission 18-40GHz	5.54 dB	(1)
Occupied Bandwidth		(1)

⁽¹⁾ This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

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4.5. Equipments Used during the Test

Line (Line Conducted Emission (AC Main)						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.		
1	EMI Test Receiver	R&S	ESCI	101247	2015/11/03		
2	Artificial Mains	Shwarzbeck	NNLK 8121	573	2015/11/03		
3	Pulse Limiter	R&S	ESH3-Z2	101488	2015/11/03		
4	Test Software	R&S	ES-K1	N/A	N/A		
5	Test cable	ENVIROFLEX	3651	1101902	2015/12/05		

20dB	20dB Occpied Bandwidth					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal	
1	Spectrum Analyzer	Rohde&Schwarz	FSP	1164.4391.40	2015/11/02	
2	Power Meter	Anritsu	ML2480B	100798	2015/11/02	
3	Power Sensor	Anritsu	MA2411B	100258	2015/12/05	
4	Test cable	FARPU	MCX-J	N/A	2015/12/05	
5	Temporary antenna connector	D-LENP	NJ-SMAK	N/A	2015/12/05	

The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.

	Field strength of the Fundamental signal/ Spurious Emissions/ Band edge								
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.				
1	EMI Test Receiver	Rohde&Schwarz	ESI 26	100009	2015/11/02				
2	RF Test Panel	Rohde&Schwarz	TS / RSP	335015/0017	N/A				
3	EMI Test Software	Rohde&Schwarz	ESK1	N/A	N/A				
4	Loop Antenna	Rohde&Schwarz	HZ-9	838622\013	2015/11/08				
5	Ultra-Broadband Antenna	ShwarzBeck	VULB9163	538	2015/11/08				
6	Horn Antenna	ShwarzBeck	9120D	1011	2015/11/08				
7	Broadband Horn Antenna	Shwarzbeck	BBHA9170	BBHA917047 2	2015/11/08				
8	Preamplifier	Shwarzbeck	BBV9742	9742-196	2015/11/02				
9	Broadband Preamplifer	Shwarzbeck	BBV 9721	9721-102	2015/11/02				
10	Broadband Preamplifer	Shwarzbeck	BBV 9718	9718-247	2015/11/02				
11	Turn Table	MATURO	TT2.0	1	N/A				
12	Antenna Mast	MATURO	TAM-4.0-P	1	N/A				
13	EMI Test Software	Audix	E3	N/A	N/A				
14	Test Software	R&S	ES-K1	N/A	N/A				
15	Test cable	Siva Cables Italy	RG 58A/U	W14.02	2015/12/05				

The Cal.Interval was one year

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5. TEST CONDITIONS AND RESULTS

5.1. Antenna requirement

Requirement

FCC CFR Title 47 Part 15 Subpart C Section 15.203:

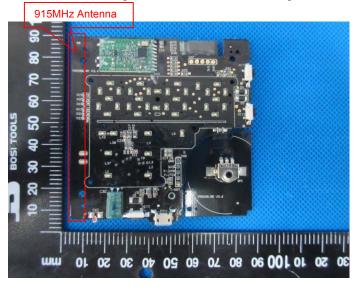
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of anantenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Refer to statement below for compliance.

The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

Test Result:

The antenna is integral antenna, the best case gain of the antenna is 2.00dBi



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5.2. AC Power Conducted Emission

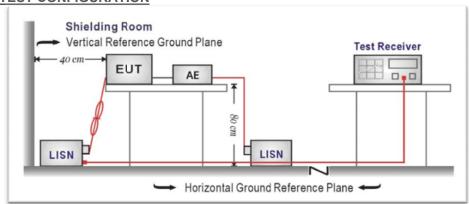
LIMIT

For intentional device, according to § 15.207(a) AC Power Conducted Emission Limits isasfollowing:

Frequency	Maximum RF Line Voltage (dBμV)					
(MHz)	Q.P.	Ave.				
0.15 - 0.50	66-56*	56-46*				
0.50 - 5.00	56	46				
5.00 - 30.0	60	50				

^{*} Decreasing linearly with the logarithmof the frequency

TEST CONFIGURATION



TEST PROCEDURE

- The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletopsystem, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10-2013.
- 2 Support equipment, if needed, was placed as per ANSI C63.10-2013
- 3 All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10-2013
- 4 The EUT received DC5V power from the adapter, the adapter received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5 All support equipments received AC power from a second LISN, if any.
- 6 The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7 Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
- 8 During the above scans, the emissions were maximized by cable manipulation.

TEST RESULTS

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x x MES GM161031 Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE	
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Frequency MHz 0.442500 0.555000 0.600000 1.815000 1.864500 28.558500 Frequency MHz	Level dBµV 31.10 31.30 31.50 31.40 23.10 Level dBµV 30.80	dB 10.2 10.2 10.2 10.2 10.2 11.1 Transd dB	dBµV 57 56 56 56 60 Limit dBµV	dB 25.9 24.7 24.5 24.5 24.6 36.9 Margin dB	QP QP QP QP QP QP Detector	L1 L1 L1 L1 L1 L1 Line	GND GND GND GND GND FE	
Frequency MHz 0.442500 0.555000 0.600000 1.815000 1.864500 28.558500 Frequency MHz 0.415500 0.438000	Level dBµV 31.10 31.30 31.50 31.50 31.40 23.10 Level dBµV 30.80 28.20	dB 10.2 10.2 10.2 10.2 10.2 11.1 Transd dB 10.2 10.2	dBµV 57 56 56 56 60 Limit dBµV 48 47	dB 25.9 24.7 24.5 24.5 24.6 36.9 Margin dB 16.7 18.9	QP QP QP QP QP QP Detector	L1 L1 L1 L1 L1 L1 Line	GND GND GND GND GND FE	

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Frequency MHz 0.411000 0.415500 0.483000 0.519000	Level dBµV 34.70 34.50 30.80 30.50	dB 10.2 10.2 10.2 10.2	dBμV 58 58 56 56	22.9 23.0 25.5 25.5	QP QP QP QP	N N N	GND GND GND GND		
Frequency MHz 0.411000 0.415500 0.483000 0.519000 0.528000	Level dBµV 34.70 34.50 30.80 30.50 30.50	dB 10.2 10.2 10.2 10.2 10.2	dBμV 58 58 56 56	22.9 23.0 25.5 25.5 25.5	QP QP QP QP QP QP	N N N N	GND GND GND GND GND		
Frequency MHz 0.411000 0.415500 0.483000 0.519000 0.528000 0.609000	Level dBµV 34.70 34.50 30.80 30.50 30.50 30.30	dB 10.2 10.2 10.2 10.2 10.2	dBμV 58 56 56 56 56	dB 22.9 23.0 25.5 25.5 25.5 25.7	QP QP QP QP QP QP	N N N N	GND GND GND GND GND GND		
Frequency MHz 0.411000 0.415500 0.483000 0.519000 0.528000 0.609000 Frequency MHz	Level dBµV 34.70 34.50 30.80 30.50 30.50 30.30 Level dBµV	dB 10.2 10.2 10.2 10.2 10.2 Transd dB	dBµV 58 56 56 56 56 Limit dBµV	22.9 23.0 25.5 25.5 25.7 Margin dB	QP QP QP QP QP QP	N N N N	GND GND GND GND GND GND		
Frequency MHz 0.411000 0.415500 0.483000 0.519000 0.528000 0.609000 Frequency MHz 0.411000 0.415500	Level dBµV 34.70 34.50 30.80 30.50 30.50 30.30 Level dBµV 29.90 29.90	dB 10.2 10.2 10.2 10.2 10.2 Transd dB 10.2 10.2	dBµV 58 56 56 56 56 Limit dBµV 48 48	22.9 23.0 25.5 25.5 25.7 Margin dB 17.7 17.6	QP QP QP QP QP Detector	N N N N N Line	GND GND GND GND GND FE GND		
Frequency MHz 0.411000 0.415500 0.483000 0.519000 0.528000 0.609000 Frequency MHz 0.411000 0.415500 0.433500	Level dBµV 34.70 34.50 30.80 30.50 30.50 30.30 Level dBµV 29.90 29.90 27.60	dB 10.2 10.2 10.2 10.2 10.2 Transd dB 10.2 10.2 10.2	dBµV 58 58 56 56 56 48 48 48 47	22.9 23.0 25.5 25.5 25.7 Margin dB 17.7 17.6 19.6	QP QP QP QP QP Detector AV AV	N N N N N Line N	GND GND GND GND GND PE GND GND GND		
Frequency MHz 0.411000 0.415500 0.483000 0.519000 0.528000 0.609000 Frequency MHz 0.411000 0.415500 0.433500 0.501000	Level dBµV 34.70 34.50 30.80 30.50 30.50 30.30 Level dBµV 29.90 29.90 27.60 21.40	dB 10.2 10.2 10.2 10.2 10.2 Transd dB 10.2 10.2 10.2 10.2	dBµV 58 58 56 56 56 48 48 48 47 46	22.9 23.0 25.5 25.5 25.7 Margin dB 17.7 17.6 19.6 24.6	QP QP QP QP QP Detector AV AV AV	N N N N N Line N N	GND GND GND GND GND PE GND GND GND GND		
Frequency MHz 0.411000 0.415500 0.483000 0.519000 0.528000 0.609000 Frequency MHz 0.411000 0.415500 0.433500	Level dBµV 34.70 34.50 30.80 30.50 30.50 30.30 Level dBµV 29.90 29.90 27.60	dB 10.2 10.2 10.2 10.2 10.2 Transd dB 10.2 10.2 10.2	dBµV 58 58 56 56 56 48 48 48 47	22.9 23.0 25.5 25.5 25.7 Margin dB 17.7 17.6 19.6	QP QP QP QP QP Detector AV AV	N N N N N Line N	GND GND GND GND GND PE GND GND GND		

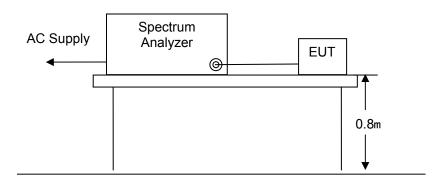
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5.3. 20 dB Occpied Bandwidth

Limit

Operation frequency range 902MHz~928MHz.

TEST CONFIGURATION

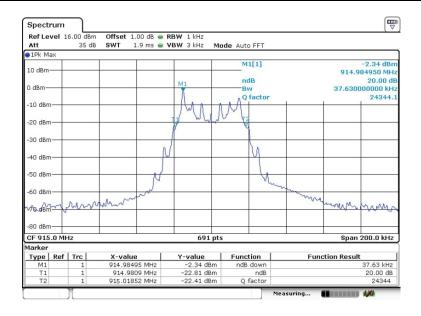


TEST PROCEDURE

- 1.As required by 47 CFR 15.215and 47 CFR 15.249
- 2. The EUT connected to the spectrum analyzer was operated in linear scale and 2.0MHz span mode after tuning to the transmitter frequency.

TEST RESULTS

Channel Frequency(MHz)	20dB Bandwidth(kHz)	Result
915	37.63	PASS



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5.4. Radiated Emission

LIMIT

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emission from intentional radiators at a distance of 3 meters shall not exceed the following table:

Frequency (MHz)	Distance(Meters)	Radiated(dBµV/m)	Radiated(µV/m)
0.009 - 0.490	300	20*log(2400/F(kHz))	2400/F(kHz)
0.490 - 1.705	30	20*log(24000/F(kHz))	24000/F(kHz)
1.705 - 30.0	30	29.54	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

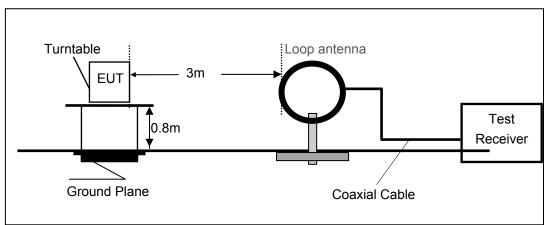
Remark:At frequencies below 30MHz, Limit 3m(dBuV)=Limit xm(dBuV)+20log(xm/3m); At frequencies below 30MHz, Limit 3m(dBuV)=Limit xm(dBuV)+40log(xm/3m),x replace the number 10.30.300.

In addition to the provisions of §15.249, the field strength of emissions from intentional radiators operated under this section shall not exceed thefollowing:

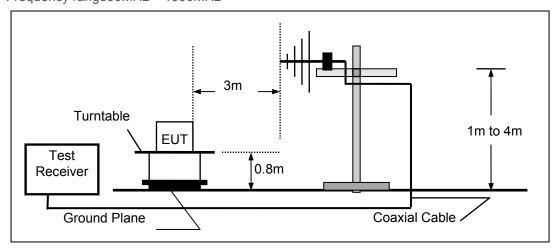
Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)
902-928 MHz	50	500

TEST CONFIGURATION

Radiated Emission Test Set-Up Frequency range 9KHz-30MHz

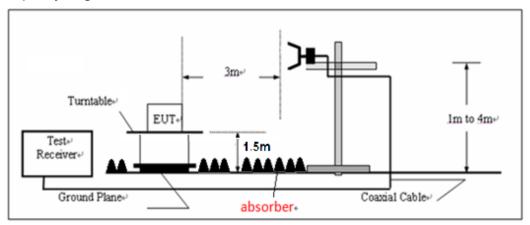


Frequency range30MHz - 1000MHz



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Frequency range above 1GHz-25GHz



TEST PROCEDURE

- 1. The EUT was placed on a turn table which is 0.8m above ground plane.
- 2. Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0°C to 360°C to acquire the highest emissions from EUT
- 3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 4. Repeat above procedures until all frequency measurements have been completed.
- 5. The fundamental frequency is 915MHz, So the radiation emissionsfrequency range were tested from 9KHz to 10GHz.

For the radiated emission test above 1GHz:

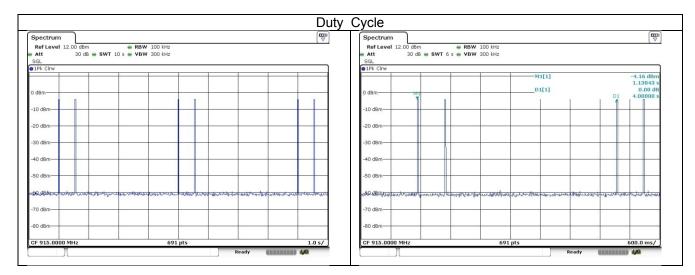
Place the measurement antenna away from each area of the EUT determined to be a source of emissionsat the specified measurement distance, while keeping the measurement antenna aimed at the source ofemissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurementantenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

NOTE: From 30MHz to 1GHz,RBW 120kHz VBW 300kHz QP detector; for above 1GHz,RBW 1MHz VBW 3MHz peak detector is for PK value,RBW 1MHz VBW 10Hz peak detector is for AV value.

TEST RESULTS

■ 9kHz ~ 30MHz

The EUT was pre-scanned the frequency band (9KHz~30MHz), found the radiated level lower than the limit, so don't show on the report.



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Radiated emission of fundamental emission									
Frequenc y (MHz)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/ m) @3m	FCC Limit (dBµV/m) @3m	Margin (dB)	Detector	Polarizatio n
915.00	71.13	22.62	3.76	29.75	67.76	94	-26.24	Peak	Horizontal
915.00	65.45	22.62	3.76	29.75	62.08	94	-31.92	Peak	Vertical

Spurious radiated emission									
Frequenc y (MHz)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/ m) @3m	FCC Limit (dBµV/m) @3m	Margin (dB)	Detector	Polarizatio n
63.22	53.23	10.66	0.94	30.04	34.79	40	-5.21	QP	Horizontal
1830.00	55.08	24.7	5.28	36.59	48.47	74	-25.53	PK	Horizontal
1830.00	48.26	24.7	5.28	36.59	41.65	54	-12.35	AV	Horizontal
2745.00	53.41	27.88	6.84	37.87	50.26	74	-23.74	PK	Horizontal
2745.00	45.41	27.88	6.84	37.87	42.26	54	-11.74	AV	Horizontal
3660.00	61.93	29.35	7.57	37.75	61.10	74	-12.90	PK	Horizontal
3660.00	47.99	29.35	7.57	37.75	47.16	54	-6.84	AV	Horizontal
4575.00	57.01	30.96	9.44	37.25	60.16	74	-13.84	PK	Horizontal
4575.00	38.46	30.96	9.44	37.25	41.61	54	-12.39	AV	Horizontal
5490.00	50.70	32.78	9.65	36.99	56.14	74	-17.86	PK	Horizontal
5490.00	40.72	32.78	9.65	36.99	46.16	54	-7.84	AV	Horizontal
6405.00	32.65	35.98	11.88	35.05	45.46	74	-28.54	PK	Horizontal
6405.00	26.35	35.98	11.88	35.05	39.16	54	-14.84	AV	Horizontal
266.387	52.10	12.99	1.89	30.19	36.79	46	-9.21	QP	Horizontal
1830.00	50.28	24.7	5.28	36.59	43.67	74	-30.33	PK	Vertical
1830.00	42.09	24.7	5.28	36.59	35.48	54	-18.52	AV	Vertical
2745.00	59.08	27.88	6.84	37.87	55.93	74	-18.07	PK	Vertical
2745.00	49.73	27.88	6.84	37.87	46.58	54	-7.42	AV	Vertical
3660.00	62.00	29.35	7.57	37.75	61.17	74	-12.83	PK	Vertical
3660.00	48.99	29.35	7.57	37.75	48.16	54	-5.84	AV	Vertical
4575.00	58.10	30.96	9.44	37.25	61.25	74	-12.75	PK	Vertical
4575.00	45.63	30.96	9.44	37.25	48.78	54	-5.22	AV	Vertical
5490.00	51.72	32.78	9.65	36.99	57.16	74	-16.84	PK	Vertical
5490.00	42.91	32.78	9.65	36.99	48.35	54	-5.65	AV	Vertical
6405.00	33.65	35.98	11.88	35.05	46.46	74	-27.54	PK	Vertical
6405.00	22.35	35.98	11.88	35.05	35.16	54	-18.84	AV	Vertical

	Bandedge emission											
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Detector			
902	25.11	22.02	3.56	29.34	21.35	46	-24.65	Horizontal	QP			
928	28.79	22.73	3.61	29.46	25.67	46	-20.33	Horizontal	QF			
902	25.42	22.02	3.56	29.34	21.66	46	-24.34	Vertical	OD			
928	26.43	22.73	3.61	29.46	23.31	46	-22.69	Vertical	QP			

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6. Test Setup Photos of the EUT

Conducted Emission(AC Mains)



Radiated Emission





7. External and Internal Photos of the EUT

Reference to the test report No.: TRE1609006101.

.....End of Report.....