

FCC CERTIFICATION
On Behalf of
Scosche Industries, Inc.

WIRELESS BACKUP SYSTEM
Model No.: RVC1R

FCC ID: IKQRVC1

Prepared for : Scosche Industries, Inc.
Address : 1550 Pacific Ave, Oxnard, CA 93033, U.S.A

Prepared by : ACCURATE TECHNOLOGY CO. LTD
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Report Number : ATE20111232
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Date of Report : July 4, 2011

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APPENDIX I (TEST CURVES) (22 pages)

Test Report Certification

Applicant : Scosche Industries, Inc.
 Manufacturer : Guangzhou Jincheng Electronic Technology Co., Ltd.
 EUT Description : WIRELESS BACKUP SYSTEM
 (A) MODEL NO.: RVC1R
 (B) SERIAL NO.: N/A
 (C) POWER SUPPLY: DC 12V

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.249: 2008
ANSI C63.4: 2003

The device described above is tested by ACCURATE TECHNOLOGY CO. LTD to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section 15.249 limits. The measurement results are contained in this test report and ACCURATE TECHNOLOGY CO. LTD is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of ACCURATE TECHNOLOGY CO. LTD.

Date of Test : July 1-4, 2011

Prepared by : Apple Lv
 (Engineer)

Approved & Authorized Signer : Heunb
 (Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT : WIRELESS BACKUP SYSTEM

Model Number : RVC1R

Power Supply : DC 12V

Operate Frequency : 2414.242-2468.236MHz

Applicant : Scosche Industries, Inc.
Address : 1550 Pacific Ave, Oxnard, CA 93033, U.S.A

Manufacturer : Guangzhou Jincheng Electronic Technology Co., Ltd.
Address : Building 4, No.3, South Road, Yongshan Village(Yingjia Industrial Garden), Shiji, Panyu, Guangzhou, P.R. China

Date of sample received : July 1, 2011

Date of Test : July 1-4, 2011

1.2. Description of Test Facility

EMC Lab : Accredited by TUV Rheinland Shenzhen

Listed by FCC
The Registration Number is 752051

Listed by Industry Canada
The Registration Number is 5077A-2

Accredited by China National Accreditation Committee
for Laboratories
The Certificate Registration Number is L3193

Name of Firm : ACCURATE TECHNOLOGY CO. LTD
Site Location : F1, Bldg. A, Changyuan New Material Port, Keyuan Rd.
Science & Industry Park, Nanshan, Shenzhen, Guangdong
P.R. China

1.3.Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

Radiated emission expanded uncertainty
(9kHz-30MHz) = 3.08dB, k=2

Radiated emission expanded uncertainty
(30MHz-1000MHz) = 4.42dB, k=2

Radiated emission expanded uncertainty
(Above 1GHz) = 4.06dB, k=2

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Type	S/N	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 15, 2012
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 15, 2012
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 15, 2012
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 15, 2012
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 15, 2012
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 15, 2012
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 15, 2012
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 15, 2012
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 15, 2012
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 15, 2012

3. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
Section 15.207	Conducted Emission	N/A
Section 15.249(a)	Fundamental and Harmonics Radiated Emission	Compliant
Section 15.249(d)	Spurious Radiated Emission	Compliant
Section 15.249(d)	Band Edge	Compliant
Section 15.203	Antenna Requirement	Compliant

Remark: "N/A" means "Not applicable".

4. FUNDAMENTAL AND HARMONICS RADIATED EMISSION FOR SECTION 15.249(A)

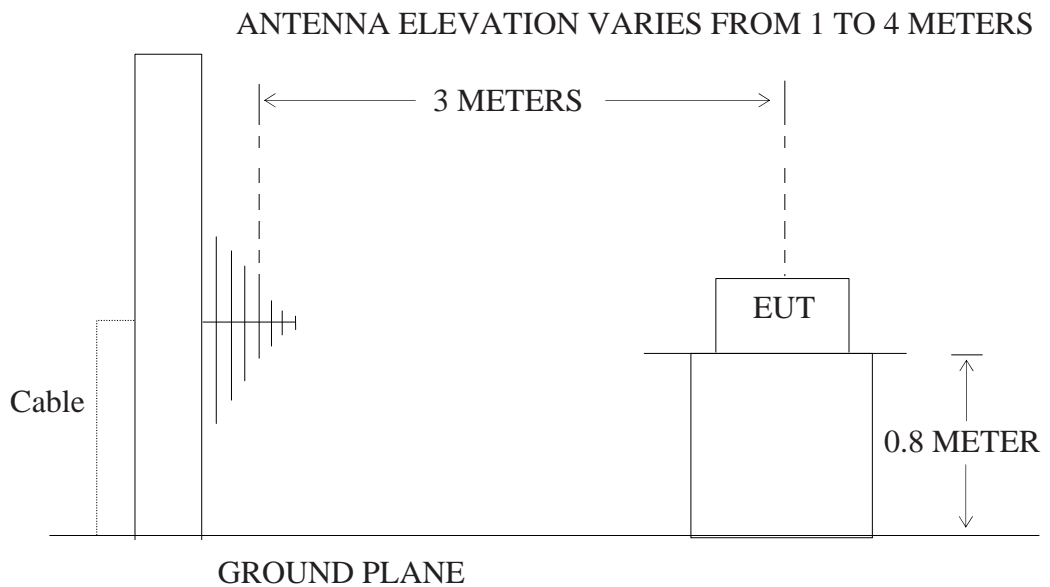
4.1. Block Diagram of Test Setup

4.1.1. Block diagram of connection between the EUT and simulators



(EUT: WIRELESS BACKUP SYSTEM)

4.1.2. Semi-Anechoic Chamber Test Setup Diagram



(EUT: WIRELESS BACKUP SYSTEM)

4.2.The Emission Limit

4.2.1.For intentional radiators, According to section 15.249(a), Operation within the frequency band of 2.4 to 2.4835GHz, The fundamental field strength shall not exceed 94 dB μ V/m and the harmonics shall not exceed 54 dB μ V/m.

Fundamental Frequency	Field Strength of Fundamental (millivolts/meter)	Field Strength of harmonics (microvolts/meter)
902-928MHz	50	500
2400-2483.5MHz	50	500
5725-5875MHz	50	500
24.0-24.25GHz	250	2500

4.2.2.According to section 15.249(e), as shown in section 15.35(b), the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

4.3.Configuration of EUT on Measurement

The following equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

4.3.1. WIRELESS BACKUP SYSTEM (EUT)

Model Number : RVC1R
 Serial Number : N/A
 Manufacturer : Guangzhou Jincheng Electronic Technology Co., Ltd.

4.4.Operating Condition of EUT

4.4.1.Setup the EUT and simulator as shown as Section 4.1.

4.4.2.Turn on the power of all equipment.

4.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2414-2468MHz MHz. We are select 2414MHz, 2432MHz, 2468MHz TX frequency to transmit.

4.5. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bi-log antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2003 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

The bandwidth of test receiver is set at 120kHz in 30-1000MHz. and set at 1MHz in above 1000MHz.

The frequency range from 30MHz to 25000MHz is checked.

4.6. The Field Strength of Radiation Emission Measurement Results PASS.

Date of Test:	July 2, 2011	Temperature:	25°C
EUT:	WIRELESS BACKUP SYSTEM	Humidity:	50%
Model No.:	RVC1R	Power Supply:	DC 12V
Test Mode:	TX 2414MHz	Test Engineer:	Pei

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2414.242	94.02	99.05	-7.42	86.6	91.63	94	114	-7.4	-22.37	Vertical
2414.242	86.28	92.46	-7.42	78.86	85.04	94	114	-15.14	-28.96	Horizontal

Harmonics Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
4828.478	47.57	53.18	-0.17	47.40	53.01	54	74	-6.60	-20.99	Vertical
4828.478	45.36	50.91	-0.17	45.19	50.74	54	74	-8.81	-23.26	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	July 2, 2011	Temperature:	25°C
EUT:	WIRELESS BACKUP SYSTEM	Humidity:	50%
Model No.:	RVC1R	Power Supply:	DC 12V
Test Mode:	TX 2432MHz	Test Engineer:	Pei

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2432.240	93.78	98.59	-7.38	86.4	91.21	94	114	-7.6	-22.79	Vertical
2432.240	87.48	92.68	-7.38	80.1	85.30	94	114	-13.9	-28.70	Horizontal

Harmonics Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
4832.478	48.06	53.29	-0.15	47.91	53.14	54	74	-6.09	-20.86	Vertical
4832.478	45.68	50.80	-0.15	45.53	50.65	54	74	-8.47	-23.35	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	July 2, 2011	Temperature:	25°C
EUT:	WIRELESS BACKUP SYSTEM	Humidity:	50%
Model No.:	RVC1R	Power Supply:	DC 12V
Test Mode:	TX 2468MHz	Test Engineer:	Pei

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2468.236	93.17	98.02	-7.35	85.82	90.67	94	114	-8.18	-23.33	Vertical
2468.236	86.65	92.36	-7.35	79.30	85.01	94	114	-14.70	-28.99	Horizontal

Harmonics Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
4936.470	47.69	52.78	0.41	48.10	53.19	54	74	-5.90	-20.81	Vertical
4936.470	45.37	50.70	0.41	45.78	51.11	54	74	-8.22	-22.89	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

5. SPURIOUS RADIATED EMISSION FOR SECTION 15.249(D)

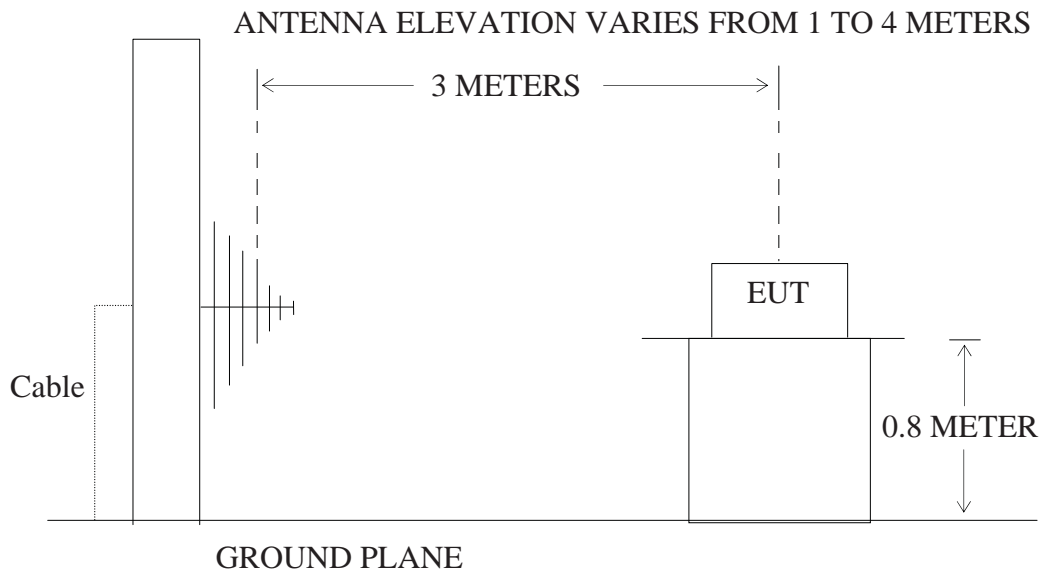
5.1. Block Diagram of Test Setup

5.1.1. Block diagram of connection between the EUT and simulators



(EUT: WIRELESS BACKUP SYSTEM)

5.1.2. Semi-Anechoic Chamber Test Setup Diagram



(EUT: WIRELESS BACKUP SYSTEM)

5.2.The Emission Limit For Section 15.249(d)

5.2.1.Emission radiated outside of the specified frequency bands, except for harmonics, shall be comply with the general radiated emission limits in Section 15.209.

Radiation Emission Measurement Limits According to Section 15.209

Frequency (MHz)	Limit		The final measurement in band 9-90kHz, 110-490kHz and above 1000MHz is performed with Average detector. Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.
	Field Strength of Quasi-peak Value (microvolts/m)	Field Strength of Quasi-peak Value (dB μ V/m)	
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	

5.3.EUT Configuration on Measurement

The following equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

5.3.1. WIRELESS BACKUP SYSTEM (EUT)

Model Number : RVC1R
 Serial Number : N/A
 Manufacturer : Guangzhou Jincheng Electronic Technology Co., Ltd.

5.4.Operating Condition of EUT

5.4.1.Setup the EUT and simulator as shown as Section 5.1.

5.4.2.Turn on the power of all equipment.

5.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2414-2468MHz. We are select 2414MHz, 2432MHz, 2468MHz TX frequency to transmit.

5.5. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2003 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

The bandwidth of test receiver is set at 120kHz in 30-1000MHz. and set at 1MHz in above 1000MHz.

The frequency range from 30MHz to 25000MHz is checked.

The final measurement in band 9-90kHz, 110-490kHz and above 1000MHz is performed with Average detector. Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.

5.6.The Emission Measurement Result

PASS.

Date of Test:	<u>July 2, 2011</u>	Temperature:	<u>25°C</u>
EUT:	<u>WIRELESS BACKUP SYSTEM</u>	Humidity:	<u>50%</u>
Model No.:	<u>RVC1R</u>	Power Supply:	<u>DC 12V</u>
Test Mode:	<u>TX 2414MHz</u>	Test Engineer:	<u>Pei</u>

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
49.0830	18.59	13.73	32.32	40.00	-7.68	Vertical
116.6339	20.88	14.41	35.29	43.50	-8.21	
147.2380	14.81	14.50	29.31	43.50	-14.19	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	<u>July 2, 2011</u>	Temperature:	<u>25°C</u>
EUT:	<u>WIRELESS BACKUP SYSTEM</u>	Humidity:	<u>50%</u>
Model No.:	<u>RVC1R</u>	Power Supply:	<u>DC 12V</u>
Test Mode:	<u>TX 2432MHz</u>	Test Engineer:	<u>Pei</u>

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
49.0699	17.87	13.73	31.60	40.00	-8.40	Vertical
116.8141	21.18	14.42	35.60	43.50	-7.90	
154.5407	13.11	14.56	27.67	43.50	-15.83	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	<u>July 2, 2011</u>	Temperature:	<u>25°C</u>
EUT:	<u>WIRELESS BACKUP SYSTEM</u>	Humidity:	<u>50%</u>
Model No.:	<u>RVC1R</u>	Power Supply:	<u>DC 12V</u>
Test Mode:	<u>TX 2468MHz</u>	Test Engineer:	<u>Pei</u>

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
49.0833	18.27	13.73	32.00	40.00	-8.00	Vertical
116.4460	21.02	14.39	35.41	43.50	-8.09	
147.2392	14.71	14.50	29.21	43.50	-14.29	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

6. BAND EDGES

6.1. The Requirement

6.1.1. Band Edge from 2400MHz to 2483.5MHz. Emission radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

6.2. EUT Configuration on Measurement

The following equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

6.2.1. WIRELESS BACKUP SYSTEM (EUT)

Model Number : RVC1R
Serial Number : N/A
Manufacturer : Guangzhou Jincheng Electronic Technology Co., Ltd.

6.3. Operating Condition of EUT

6.3.1. Setup the EUT and simulator as shown as Section 4.1.

6.3.2. Turn on the power of all equipment.

6.3.3. Let the EUT work in TX modes measure it. The transmit frequency are 2414-2468MHz. We are select 2414MHz, 2432MHz, 2468MHz TX frequency to transmit

6.4. Test Procedure

1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
RBW=1MHz, VBW=1MHz

6.5.The Measurement Result

Pass.

Date of Test:	<u>July 2, 2011</u>	Temperature:	<u>25°C</u>
EUT:	<u>WIRELESS BACKUP SYSTEM</u>	Humidity:	<u>50%</u>
Model No.:	<u>RVC1R</u>	Power Supply:	<u>DC 12V</u>
Test Mode:	<u>TX 2414MHz</u>	Test Engineer:	<u>Pei</u>

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$
3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	<u>July 2, 2011</u>	Temperature:	<u>25°C</u>
EUT:	<u>WIRELESS BACKUP SYSTEM</u>	Humidity:	<u>50%</u>
Model No.:	<u>RVC1R</u>	Power Supply:	<u>DC 12V</u>
Test Mode:	<u>TX 2468MHz</u>	Test Engineer:	<u>Pei</u>

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
-	-	-	-	-	-	-	-	-	-	Vertical
-	-	-	-	-	-	-	-	-	-	Horizontal

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$
3. The spectral diagrams in appendix I display the measurement of peak values.

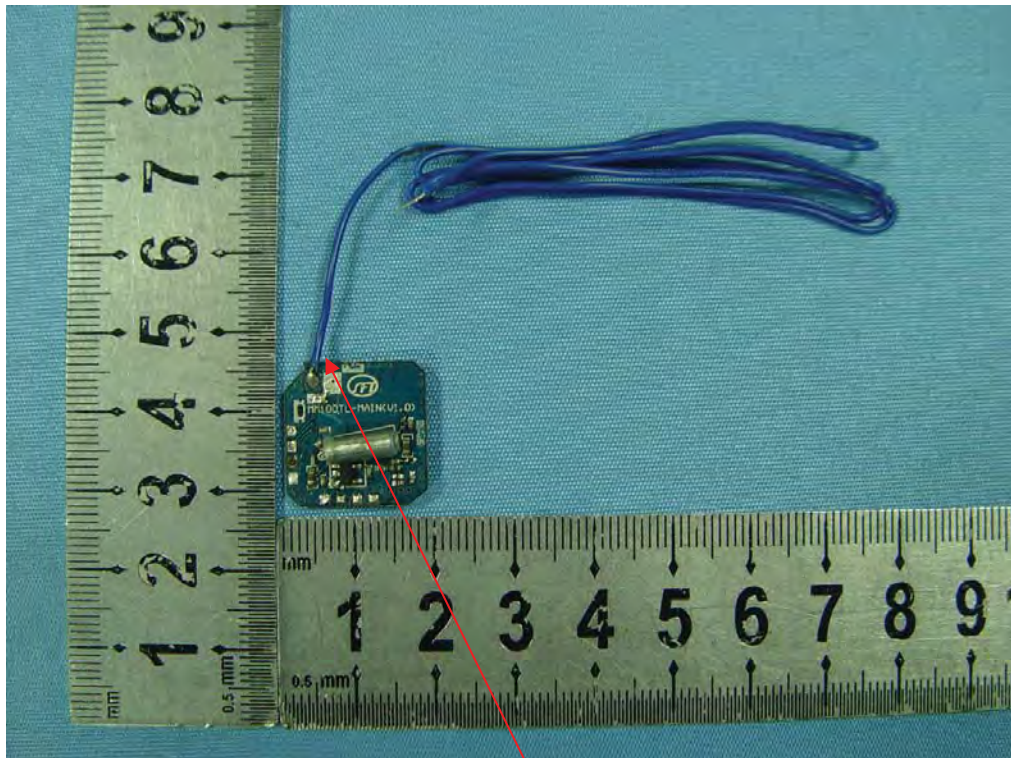
7. ANTENNA REQUIREMENT

7.1.The Requirement

7.1.1. According to 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.

7.2. Antenna Construction

Device is equipped with unique antenna connector. Therefore, the equipment complies with the antenna requirement of Section 15.203.



Antenna

APPENDIX I (Test Curves)



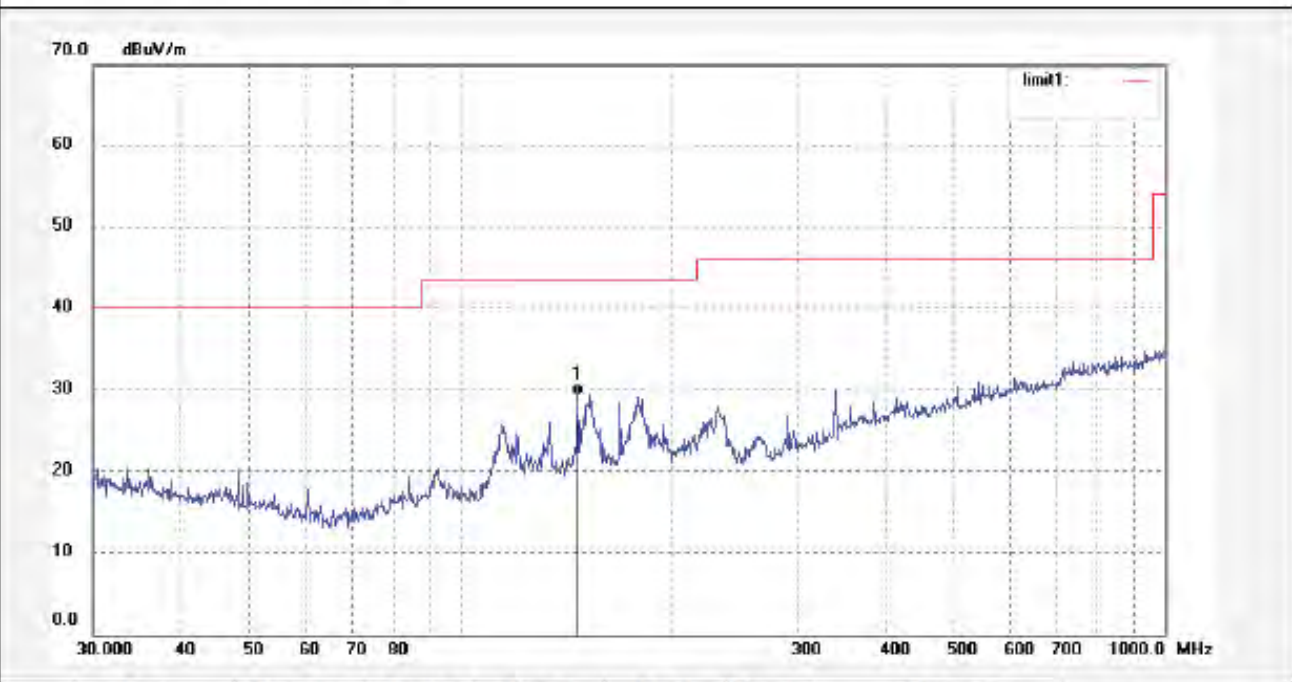
ACCURATE TECHNOLOGY CO., LTD.

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: pei #4645	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 2011/07/02
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 13:48:36
EUT: WIRELESS BACKUP SYSTEM	Engineer Signature: PEI
Mode: TX Channel 2414MHz	Distance: 3m
Model: RVC1R	
Manufacturer: Guangzhou Jincheng Electronic Technology Co.,Ltd	

Note: Report No.:ATE20111232



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	147.2380	14.81	14.50	29.31	43.50	-14.19	QP			



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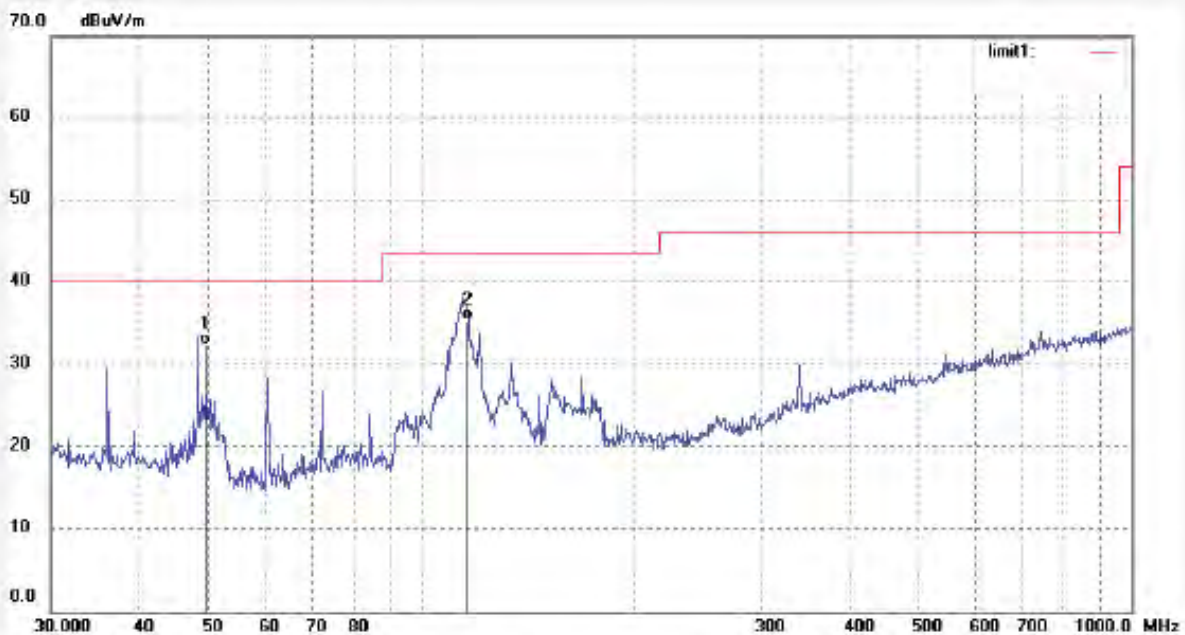
Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: pei #4646	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 2011/07/02
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 13:53:48
EUT: WIRELESS BACKUP SYSTEM	Engineer Signature: PEI
Mode: TX Channel 2414MHz	Distance: 3m
Model: RVC1R	
Manufacturer: Guangzhou Jincheng Electronic Technology Co.,Ltd	

Note: Report No.:ATE20111232



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	49.0830	18.59	13.73	32.32	40.00	-7.68	QP			
2	116.6339	20.88	14.41	35.29	43.50	-8.21	QP			



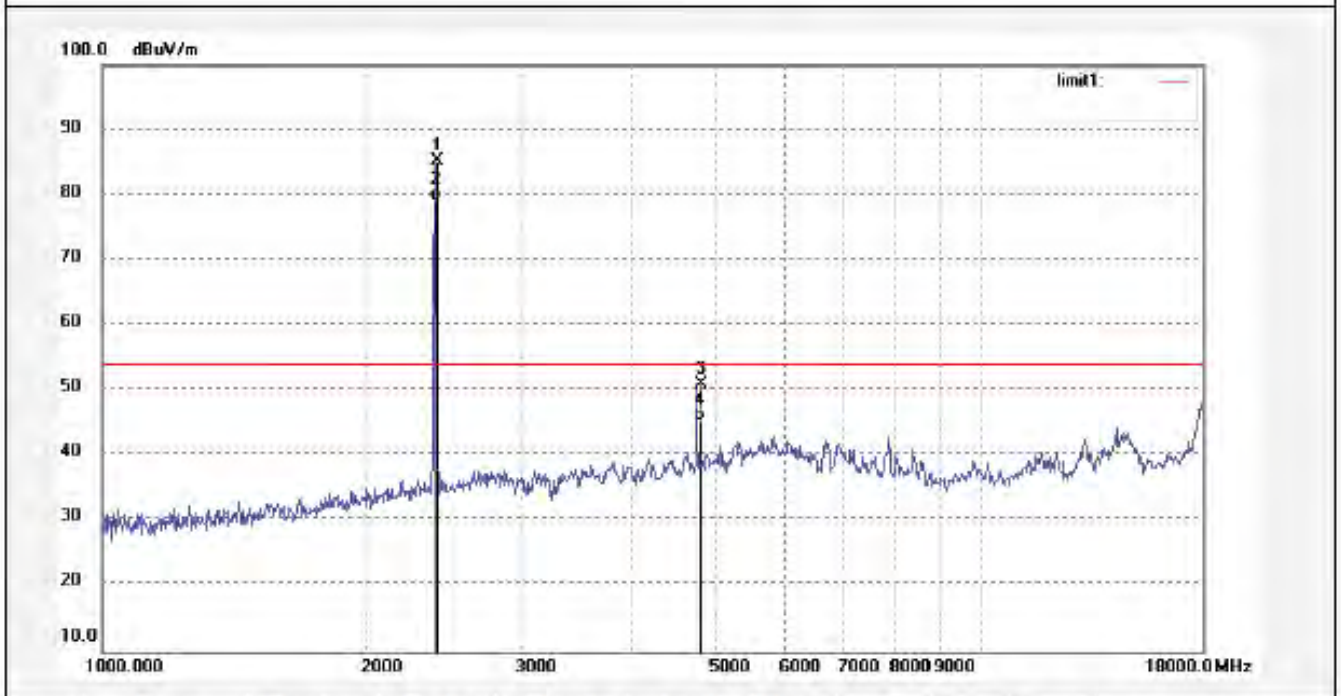
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Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: pei #4662	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 2011/07/02
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 15:09:09
EUT: WIRELESS BACKUP SYSTEM	Engineer Signature: PEI
Mode: TX Channel 2414MHz	Distance: 3m
Model: RVC1R	
Manufacturer: Guangzhou Jincheng Electronic Technology Co.,Ltd	

Note: Report No.:ATE20111232



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2414.242	92.46	-7.42	85.04	114.00	-28.96	peak			
2	2414.242	86.28	-7.42	78.86	94.00	-15.14	AVG			
3	4828.478	50.91	-0.17	50.74	74.00	-23.26	peak			
4	4828.478	45.36	-0.17	45.19	54.00	-8.81	AVG			



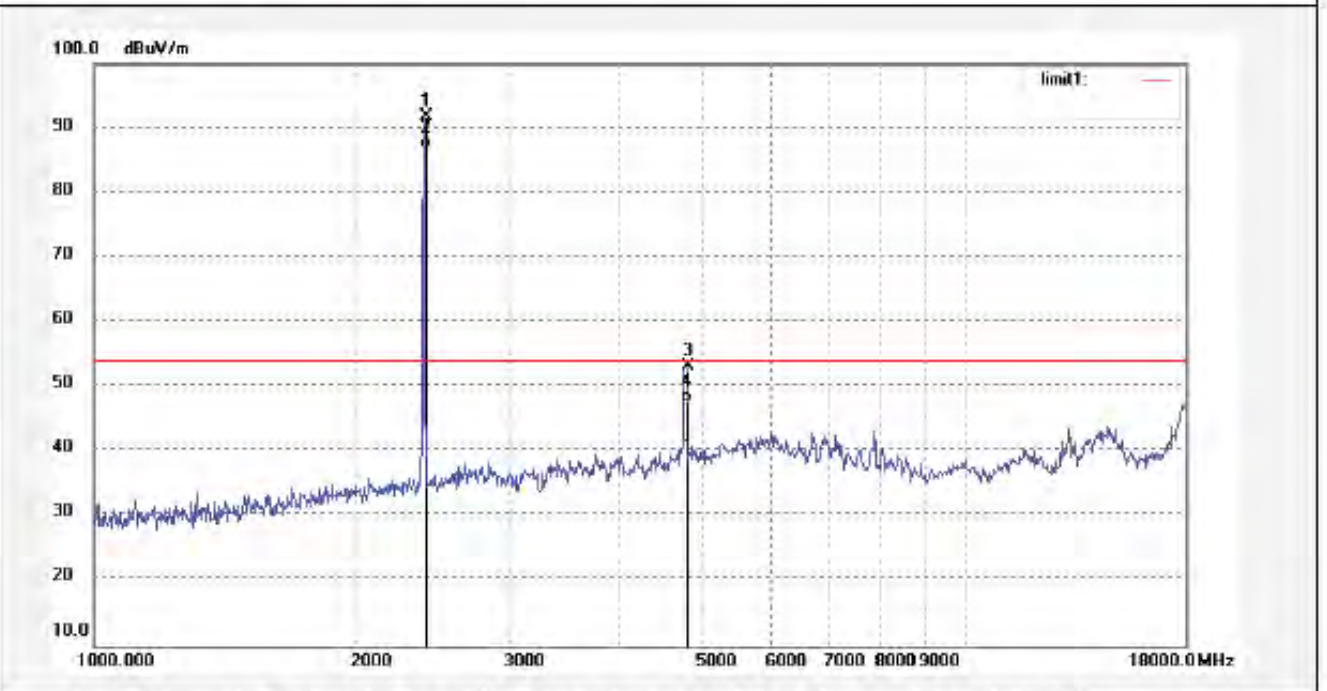
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Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: pei #4663	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 2011/07/02
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 15:14:24
EUT: WIRELESS BACKUP SYSTEM	Engineer Signature: PEI
Mode: TX Channel 2414MHz	Distance: 3m
Model: RVC1R	
Manufacturer: Guangzhou Jincheng Electronic Technology Co.,Ltd	

Note: Report No.:ATE20111232



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2414.242	99.05	-7.42	91.63	114.00	-22.37	peak			
2	2414.242	94.02	-7.42	86.60	94.00	-7.40	AVG			
3	4828.478	53.18	-0.17	53.01	74.00	-20.99	peak			
4	4828.478	47.57	-0.17	47.40	54.00	-6.60	AVG			



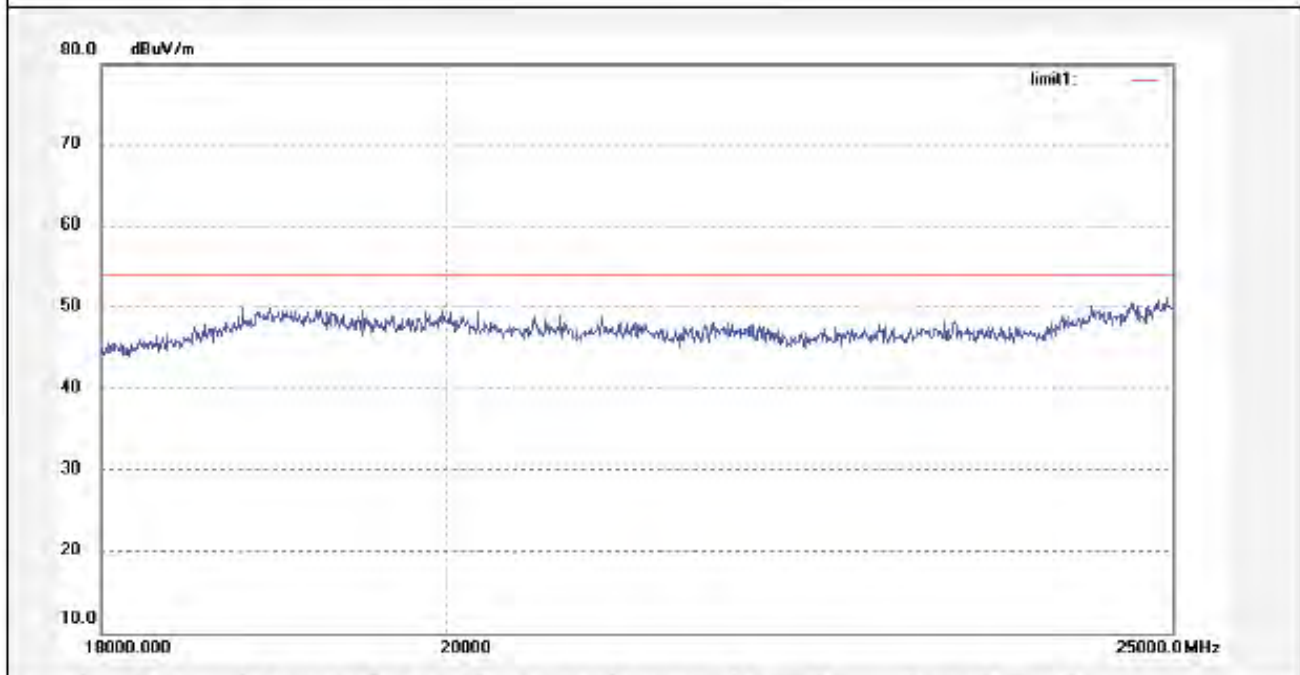
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Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: pei #4656	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 2011/07/02
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 14:43:42
EUT: WIRELESS BACKUP SYSTEM	Engineer Signature: PEI
Mode: TX Channel 2414MHz	Distance: 3m
Model: RVC1R	
Manufacturer: Guangzhou Jincheng Electronic Technology Co.,Ltd	

Note: Report No.:ATE20111232



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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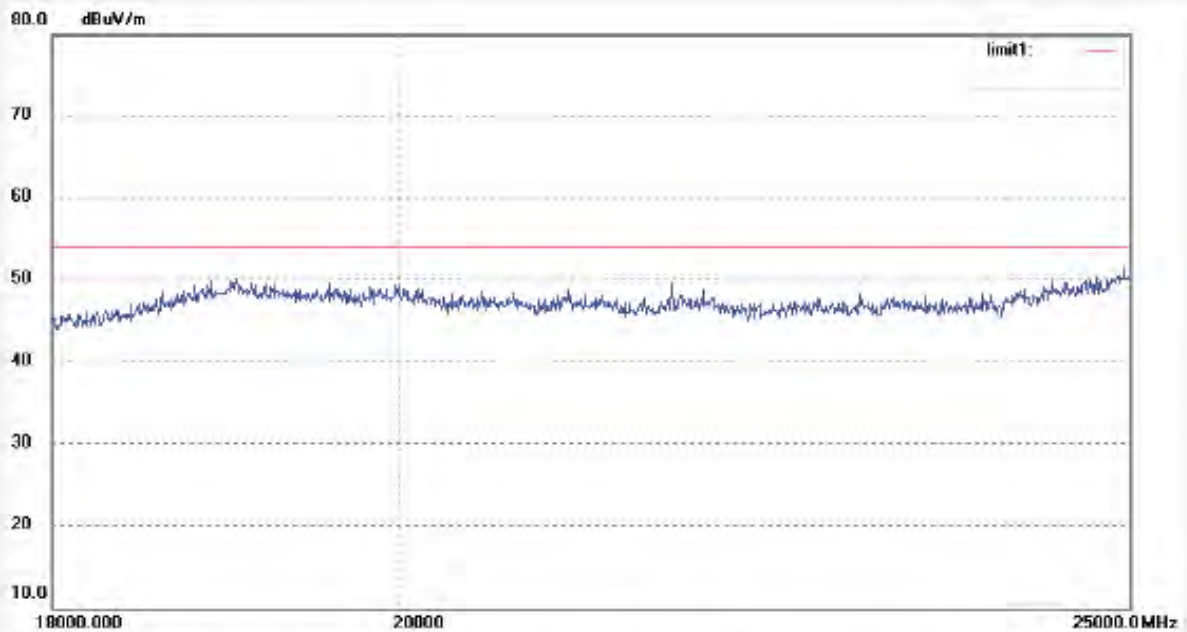
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Site: 966 chamber
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Job No.: pei #4655	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 2011/07/02
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 14:39:41
EUT: WIRELESS BACKUP SYSTEM	Engineer Signature: PEI
Mode: TX Channel 2414MHz	Distance: 3m
Model: RVC1R	
Manufacturer: Guangzhou Jincheng Electronic Technology Co.,Ltd	

Note: Report No.:ATE20111232



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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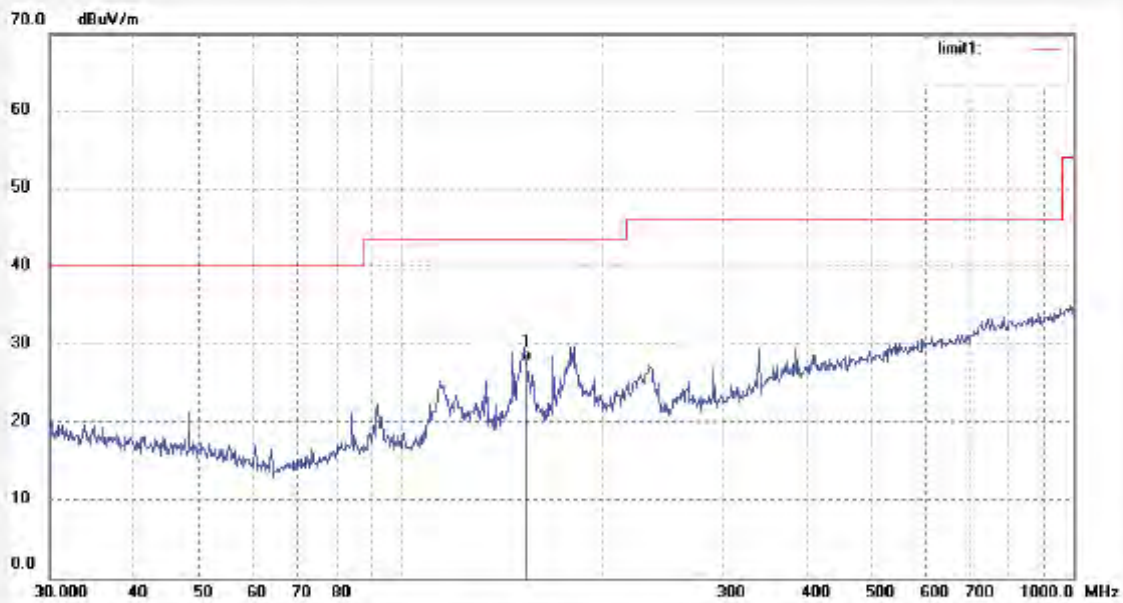
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Site: 966 chamber
Tel:+86-0755-26503290
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Job No.: pei #4647	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 2011/07/02
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 13:58:15
EUT: WIRELESS BACKUP SYSTEM	Engineer Signature: PEI
Mode: TX Channel 2432MHz	Distance: 3m
Model: RVC1R	
Manufacturer: Guangzhou Jincheng Electronic Technology Co.,Ltd	

Note: Report No.:ATE20111232



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	154.5407	13.11	14.56	27.67	43.50	-15.83	QP			



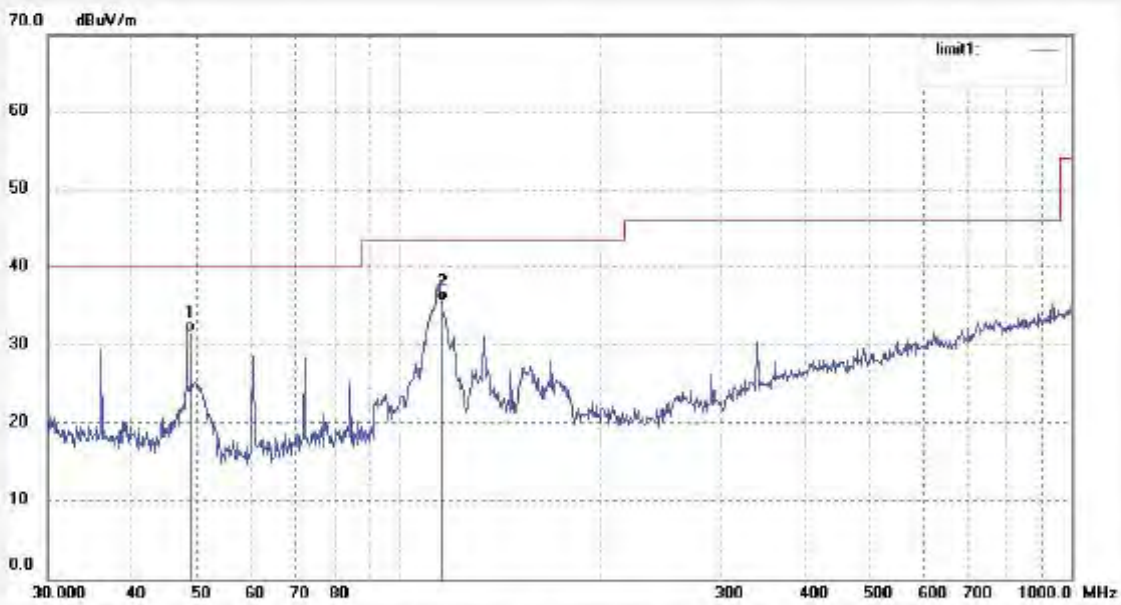
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Site: 966 chamber
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Fax:+86-0755-26503396

Job No.: pei #4648	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 2011/07/02
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 14:04:07
EUT: WIRELESS BACKUP SYSTEM	Engineer Signature: PEI
Mode: TX Channel 2432MHz	Distance: 3m
Model: RVC1R	
Manufacturer: Guangzhou Jincheng Electronic Technology Co.,Ltd	

Note: Report No.:ATE20111232



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	49.0699	17.87	13.73	31.60	40.00	-8.40	QP			
2	116.8141	21.18	14.42	35.60	43.50	-7.90	QP			



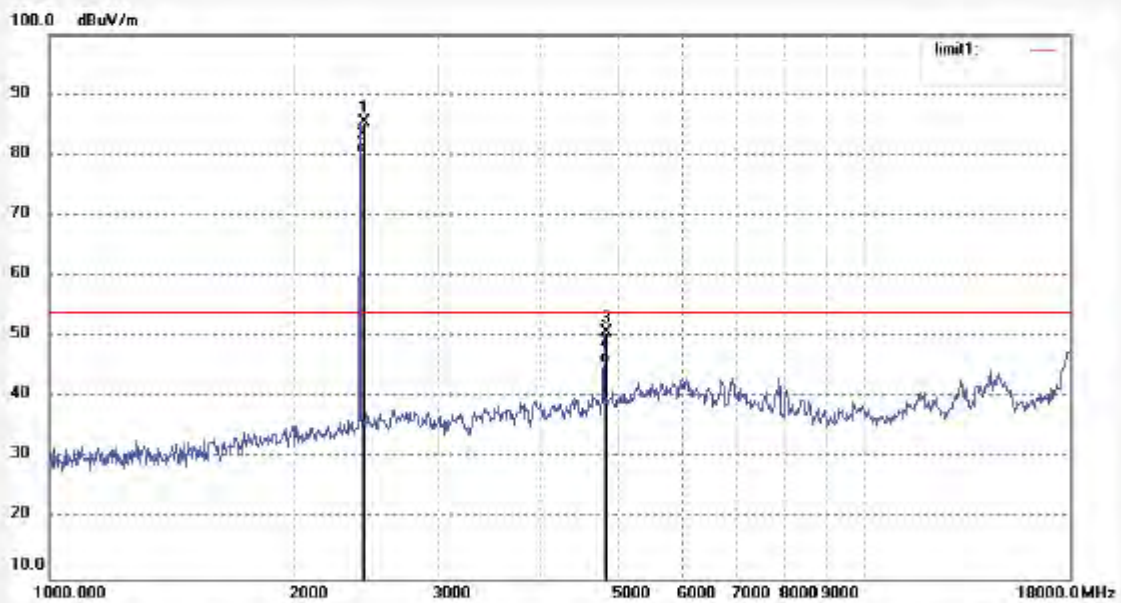
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Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: pei #4660	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 2011/07/02
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 14:59:23
EUT: WIRELESS BACKUP SYSTEM	Engineer Signature: PEI
Mode: TX Channel 2432MHz	Distance: 3m
Model: RVC1R	
Manufacturer: Guangzhou Jincheng Electronic Technology Co.,Ltd	

Note: Report No.:ATE20111232



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2432.240	92.68	-7.38	85.30	114.00	-28.70	peak			
2	2432.240	87.48	-7.38	80.10	94.00	-13.90	AVG			
3	4832.478	50.80	-0.15	50.65	74.00	-23.35	peak			
4	4832.478	45.68	-0.15	45.53	54.00	-8.47	AVG			

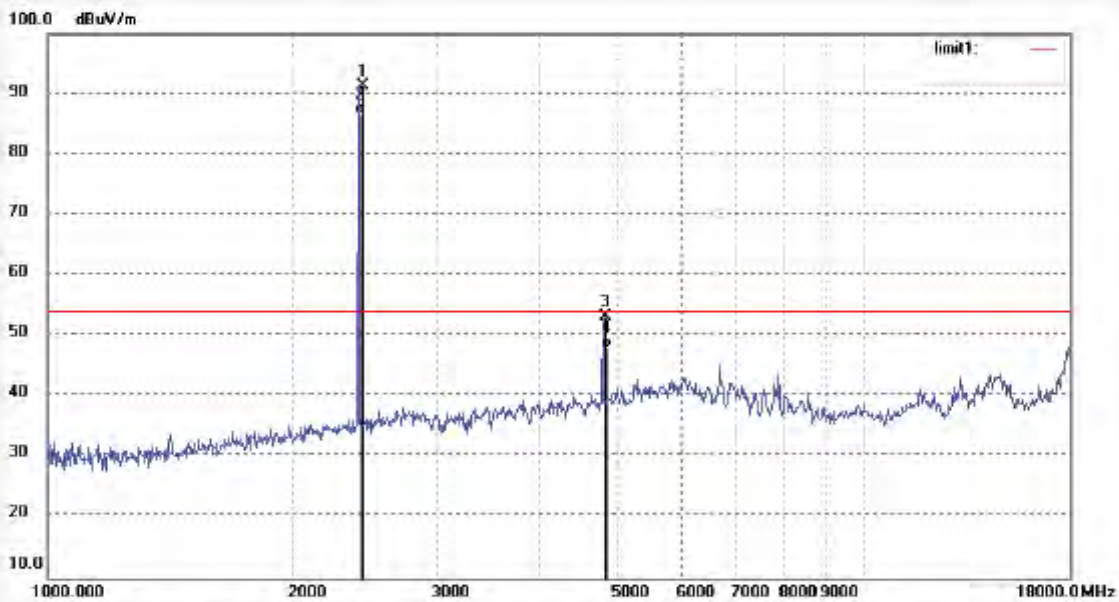


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Site: 966 chamber
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 Fax:+86-0755-26503396

Job No.: pei #4661	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 2011/07/02
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 15:05:09
EUT: WIRELESS BACKUP SYSTEM	Engineer Signature: PEI
Mode: TX Channel 2432MHz	Distance: 3m
Model: RVC1R	
Manufacturer: Guangzhou Jincheng Electronic Technology Co.,Ltd	

Note: Report No.:ATE20111232



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2432.240	98.59	-7.38	91.21	114.00	-22.79	peak			
2	2432.240	93.78	-7.38	86.40	94.00	-7.60	AVG			
3	4832.478	53.29	-0.15	53.14	74.00	-20.86	peak			
4	4832.478	48.06	-0.15	47.91	54.00	-6.09	AVG			



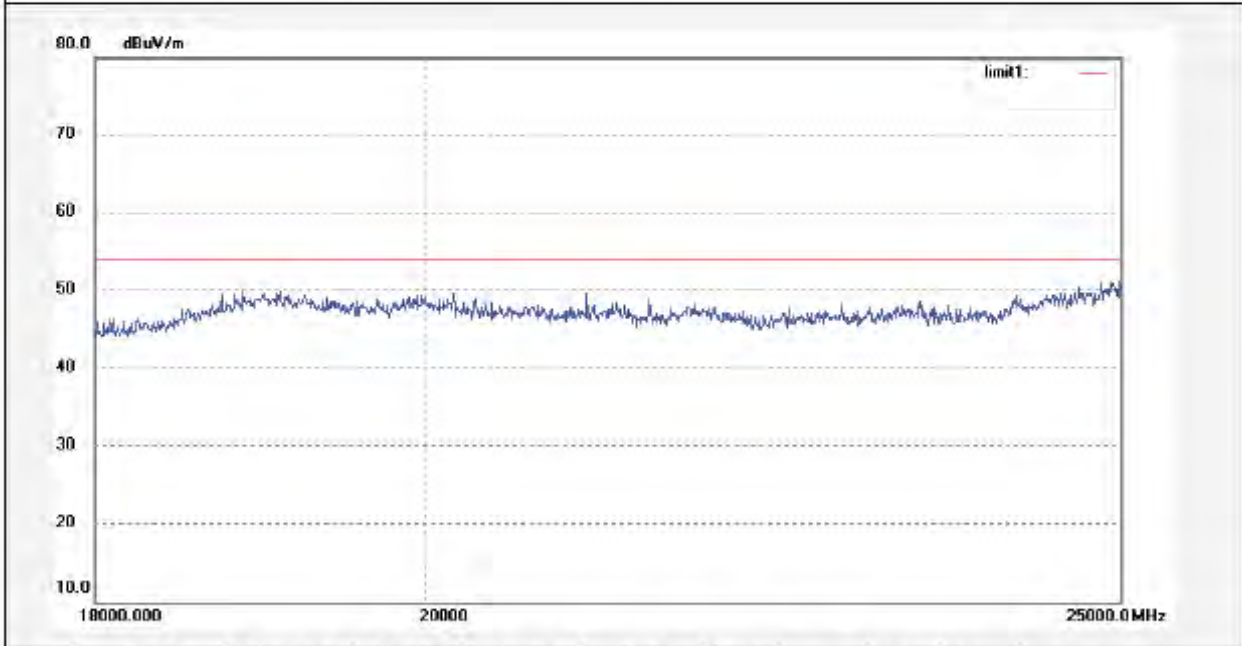
ACCURATE TECHNOLOGY CO., LTD.

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: pei #4653	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 2011/07/02
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 14:30:26
EUT: WIRELESS BACKUP SYSTEM	Engineer Signature: PEI
Mode: TX Channel 2432MHz	Distance: 3m
Model: RVC1R	
Manufacturer: Guangzhou Jincheng Electronic Technology Co.,Ltd	

Note: Report No.:ATE20111232



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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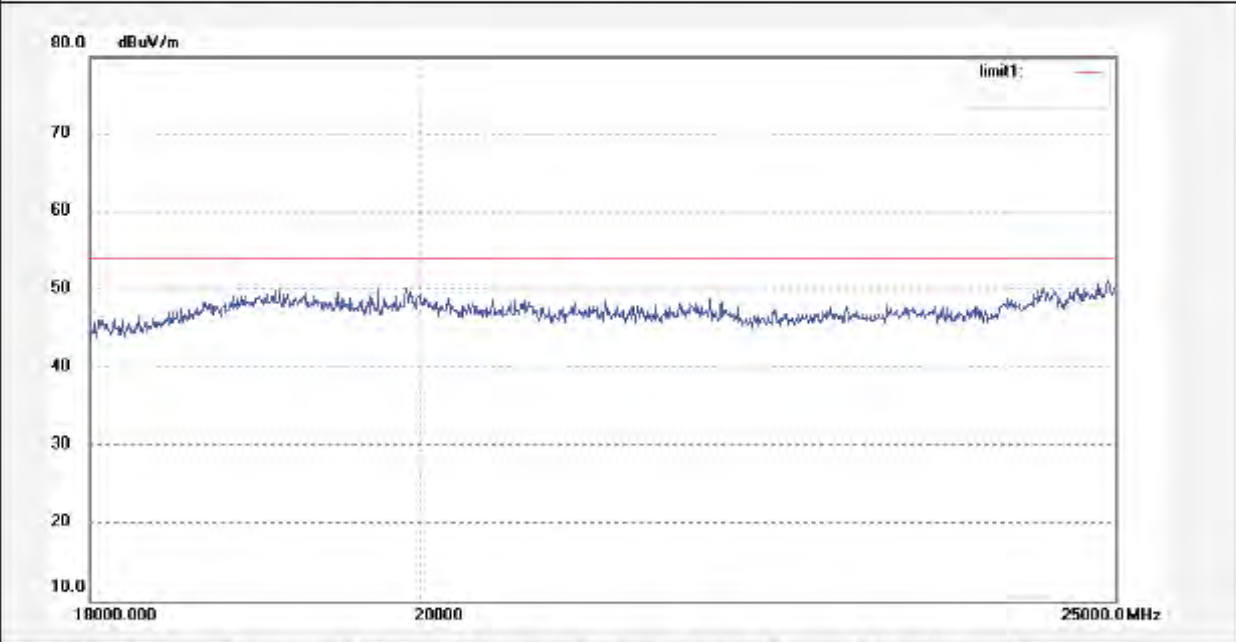
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Site: 966 chamber
Tel:+86-0755-26503290
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Job No.: pei #4654	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 2011/07/02
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 14:34:27
EUT: WIRELESS BACKUP SYSTEM	Engineer Signature: PEI
Mode: TX Channel 2432MHz	Distance: 3m
Model: RVC1R	
Manufacturer: Guangzhou Jincheng Electronic Technology Co.,Ltd	

Note: Report No.:ATE20111232



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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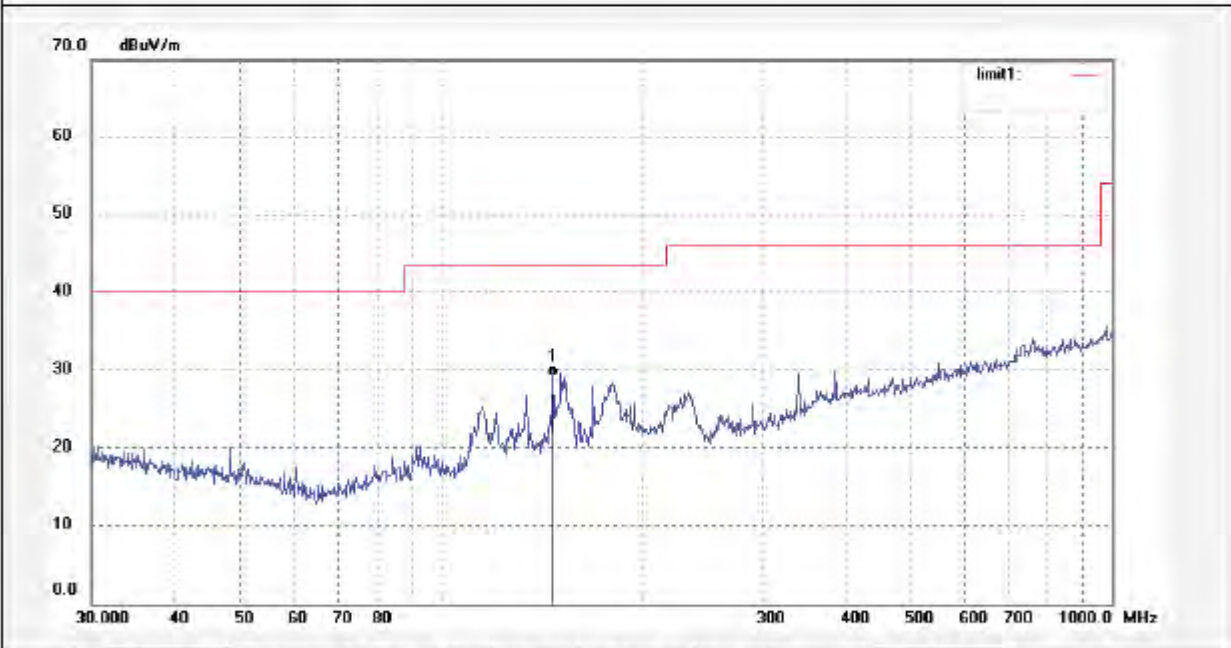
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Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: pei #4650	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 2011/07/02
Temp.(CyHum.(%) 24 C / 48 %	Time: 14:14:20
EUT: WIRELESS BACKUP SYSTEM	Engineer Signature: PEI
Mode: TX Channel 2468MHz	Distance: 3m
Model: RVC1R	
Manufacturer: Guangzhou Jincheng Electronic Technology Co.,Ltd	

Note: Report No.:ATE20111232



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	147.2392	14.71	14.50	29.21	43.50	-14.29	QP			



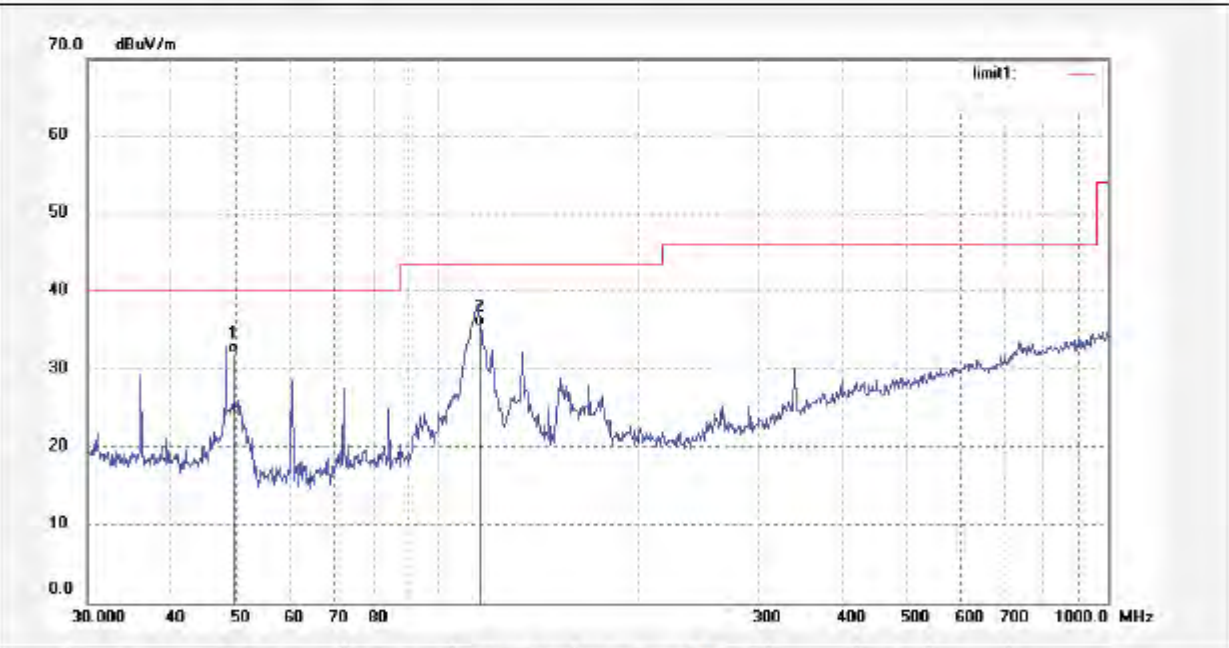
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Site: 966 chamber
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Fax:+86-0755-26503396

Job No.: pei #4649	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 2011/07/02
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 14:08:42
EUT: WIRELESS BACKUP SYSTEM	Engineer Signature: PEI
Mode: TX Channel 2468MHz	Distance: 3m
Model: RVC1R	
Manufacturer: Guangzhou Jincheng Electronic Technology Co.,Ltd	

Note: Report No.:ATE20111232



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	49.0833	18.27	13.73	32.00	40.00	-8.00	QP			
2	116.4460	21.02	14.39	35.41	43.50	-8.09	QP			

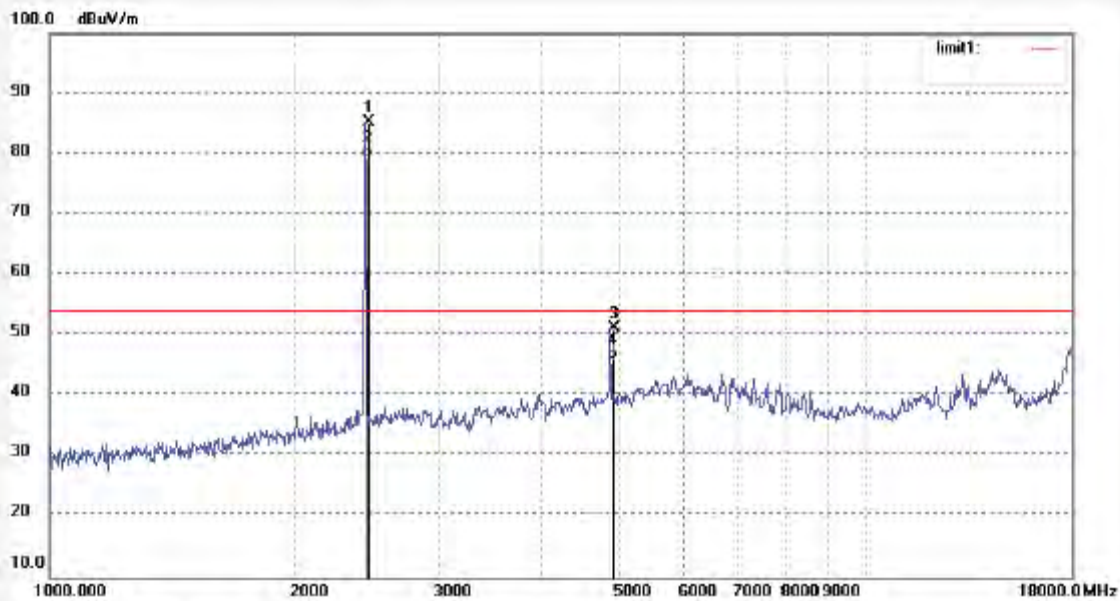


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Site: 966 chamber
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 Fax:+86-0755-26503396

Job No.: pei #4659	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 2011/07/02
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 14:53:12
EUT: WIRELESS BACKUP SYSTEM	Engineer Signature: PEI
Mode: TX Channel 2468MHz	Distance: 3m
Model: RVC1R	
Manufacturer: Guangzhou Jincheng Electronic Technology Co.,Ltd	

Note: Report No.:ATE20111232



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2468.236	92.36	-7.35	85.01	114.00	-28.99	peak			
2	2468.236	86.65	-7.35	79.30	94.00	-14.70	AVG			
3	4936.470	50.70	0.41	51.11	74.00	-22.89	peak			
4	4936.470	45.37	0.41	45.78	54.00	-8.22	AVG			



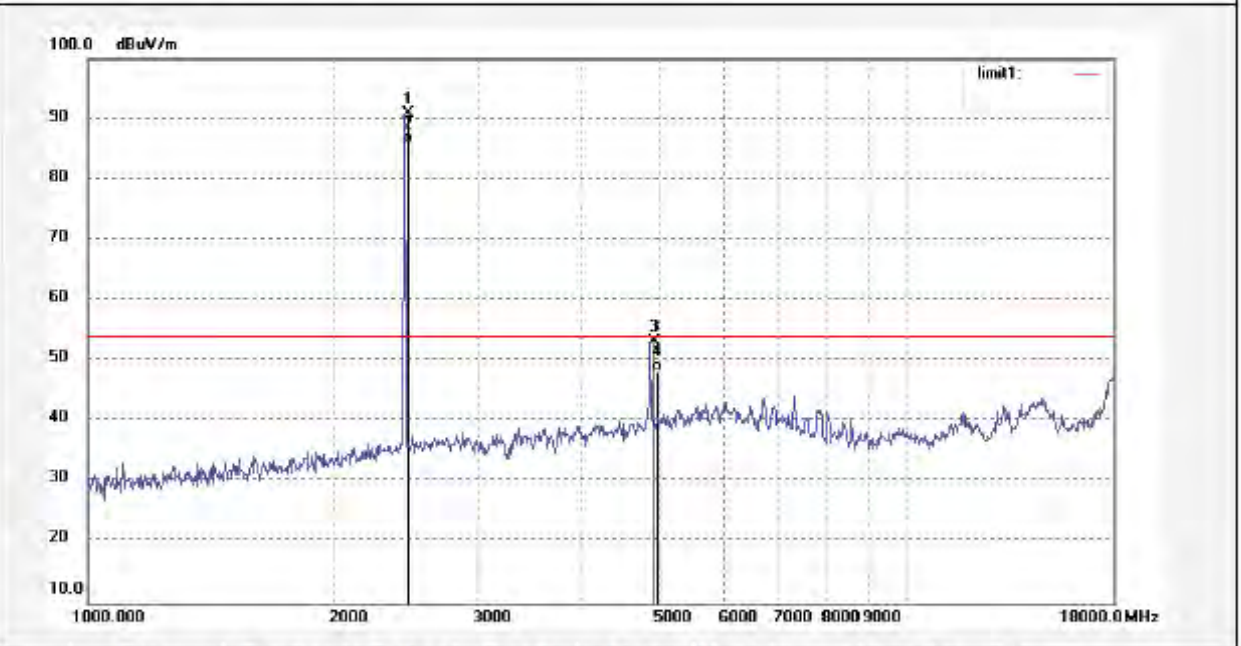
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Site: 966 chamber
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Job No.: pei #4658	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 2011/07/02
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 14:48:43
EUT: WIRELESS BACKUP SYSTEM	Engineer Signature: PEI
Mode: TX Channel 2468MHz	Distance: 3m
Model: RVC1R	
Manufacturer: Guangzhou Jincheng Electronic Technology Co.,Ltd	

Note: Report No.:ATE20111232



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2468.236	98.02	-7.35	90.67	114.00	-23.33	peak			
2	2468.236	93.17	-7.35	85.82	94.00	-8.18	AVG			
3	4936.470	52.78	0.41	53.19	74.00	-20.81	peak			
4	4936.470	47.69	0.41	48.10	54.00	-5.90	AVG			



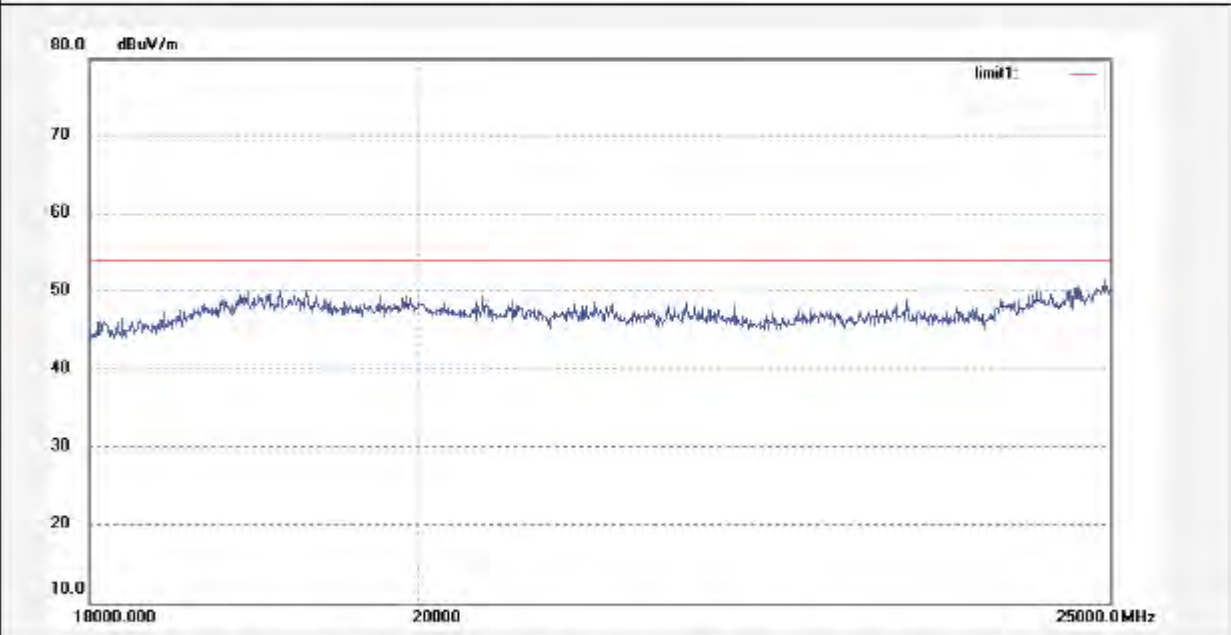
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Site: 966 chamber
Tel:+86-0755-26503290
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Job No.: pei #4652	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 2011/07/02
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 14:25:23
EUT: WIRELESS BACKUP SYSTEM	Engineer Signature: PEI
Mode: TX Channel 2468MHz	Distance: 3m
Model: RVC1R	
Manufacturer: Guangzhou Jincheng Electronic Technology Co.,Ltd	

Note: Report No.:ATE20111232



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark



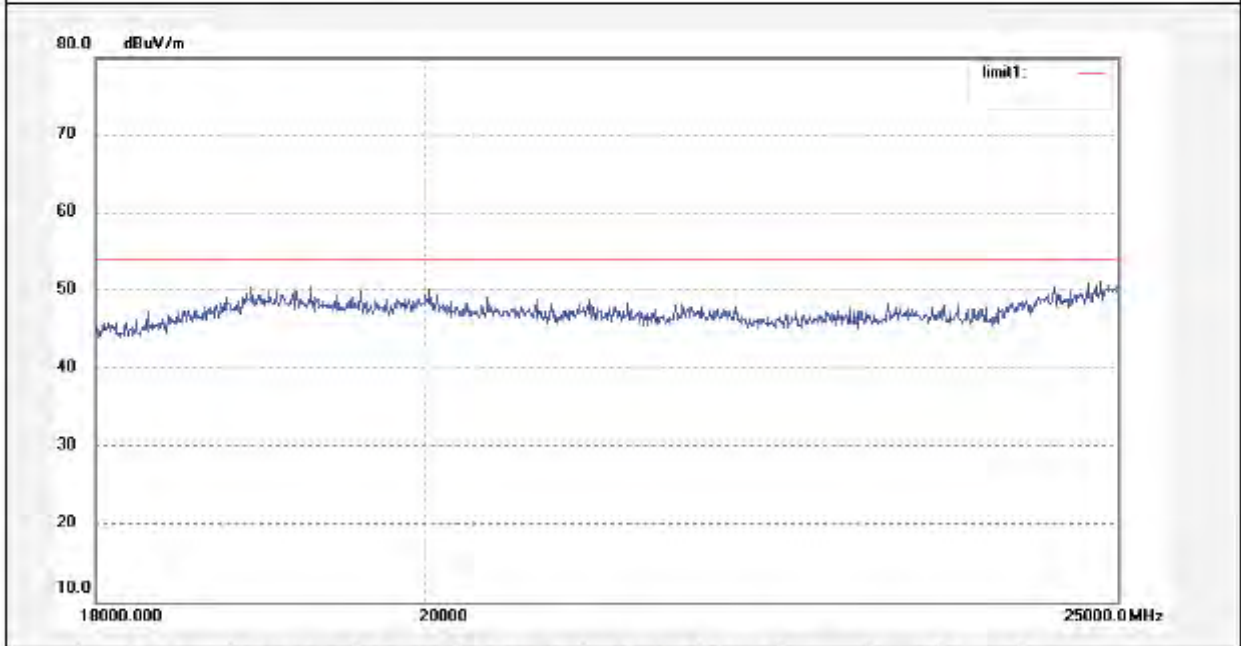
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Site: 966 chamber
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Job No.: pei #4651	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 2011/07/02
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 14:20:23
EUT: WIRELESS BACKUP SYSTEM	Engineer Signature: PEI
Mode: TX Channel 2468MHz	Distance: 3m
Model: RVC1R	
Manufacturer: Guangzhou Jincheng Electronic Technology Co.,Ltd	

Note: Report No.:ATE20111232



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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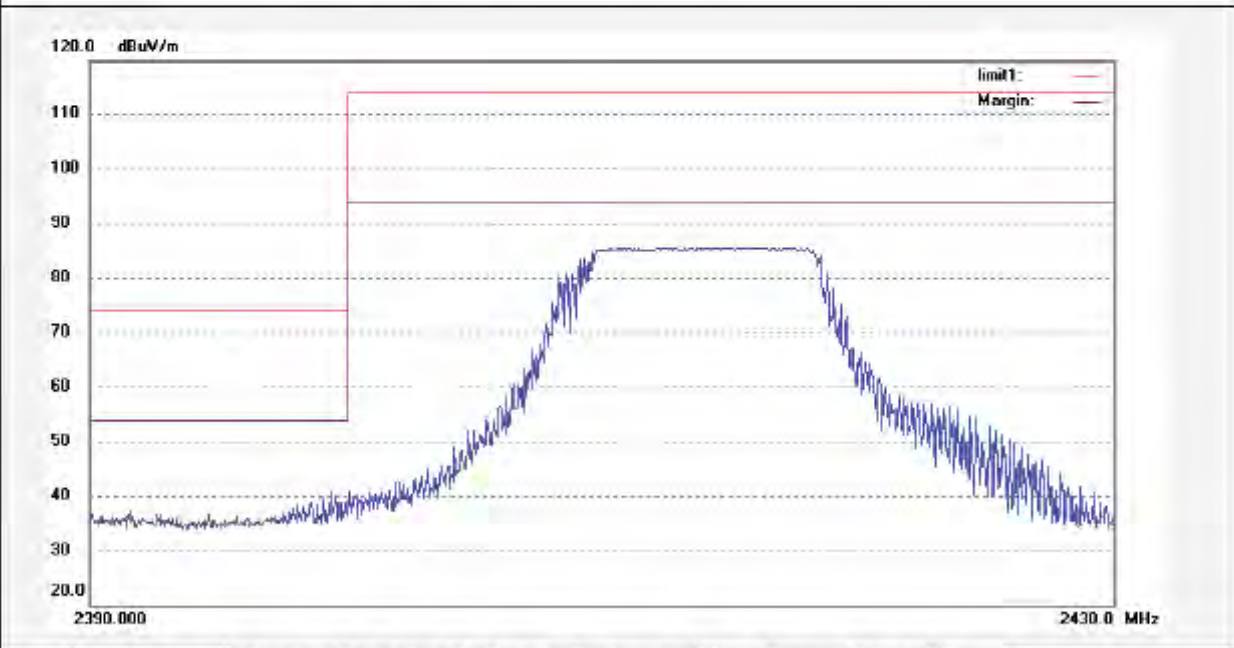
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Site: 966 chamber
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Fax:+86-0755-26503396

Job No.: pei #4664	Polarization: Horizontal
Standard: FCC Part 15 PEAK 2.4G	Power Source: DC 12V
Test item: Radiation Test	Date: 2011/07/02
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 15:18:35
EUT: WIRELESS BACKUP SYSTEM	Engineer Signature: PEI
Mode: TX Channel 2414MHz	Distance: 3m
Model: RVC1R	
Manufacturer: Guangzhou Jincheng Electronic Technology Co.,Ltd	

Note: Report No.:ATE20111232



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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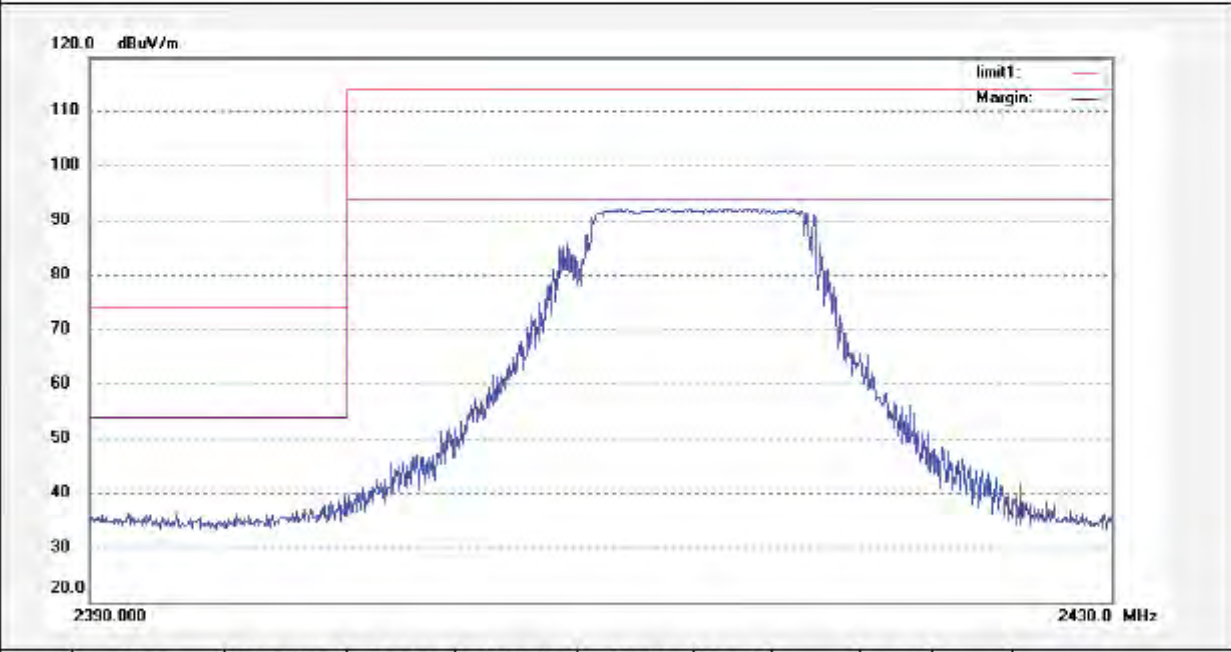
ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: pei #4665	Polarization: Vertical
Standard: FCC Part 15 PEAK 2.4G	Power Source: DC 12V
Test item: Radiation Test	Date: 2011/07/02
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 15:25:58
EUT: WIRELESS BACKUP SYSTEM	Engineer Signature: PEI
Mode: TX Channel 2414MHz	Distance: 3m
Model: RVC1R	
Manufacturer: Guangzhou Jincheng Electronic Technology Co.,Ltd	

Note: Report No.:ATE20111232



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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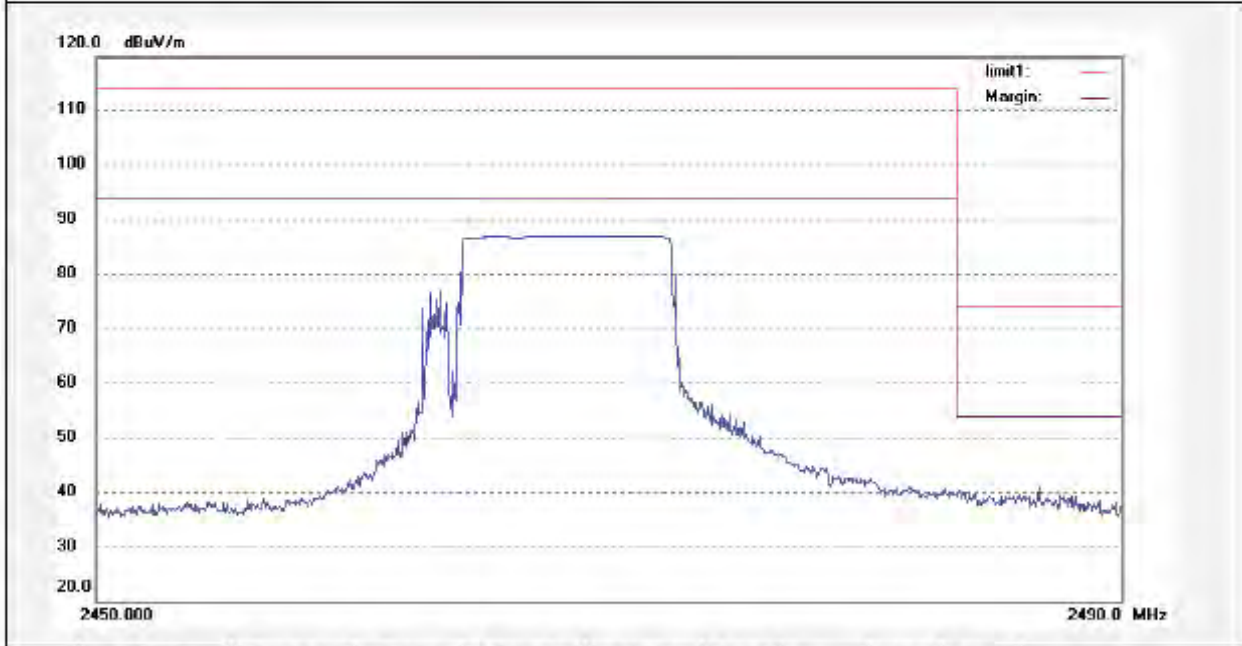
ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: pei #4666	Polarization: Horizontal
Standard: FCC Part 15 PEAK 2.4G	Power Source: DC 12V
Test item: Radiation Test	Date: 2011/07/02
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 15:32:07
EUT: WIRELESS BACKUP SYSTEM	Engineer Signature: PEI
Mode: TX Channel 2468MHz	Distance: 3m
Model: RVC1R	
Manufacturer: Guangzhou Jincheng Electronic Technology Co.,Ltd	

Note: Report No.:ATE20111232



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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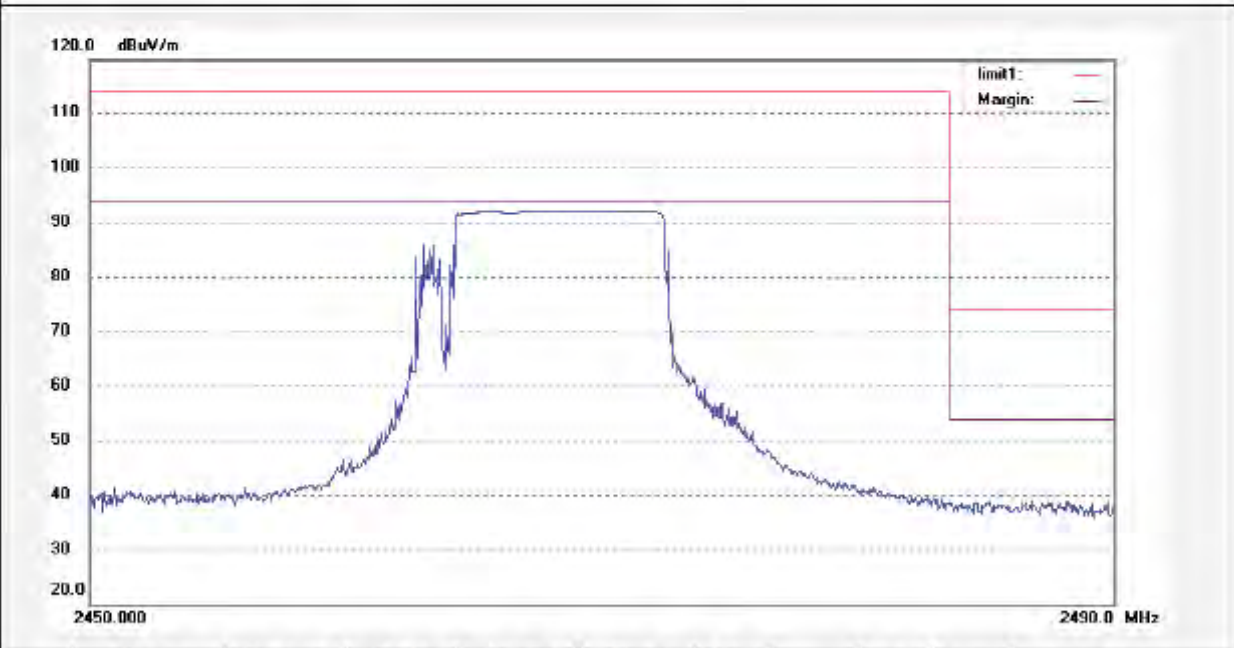
ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: pei #4667	Polarization: Vertical
Standard: FCC Part 15 PEAK 2.4G	Power Source: DC 12V
Test item: Radiation Test	Date: 2011/07/02
Temp.(C)/Hum.(%) 24 C / 48 %	Time: 15:39:03
EUT: WIRELESS BACKUP SYSTEM	Engineer Signature: PEI
Mode: TX Channel 2468MHz	Distance: 3m
Model: RVC1R	
Manufacturer: Guangzhou Jincheng Electronic Technology Co.,Ltd	

Note: Report No.:ATE20111232



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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