APPLICATION FOR CERTIFICATION
On Behalf of
Hui Dong Hua Xin Industrial Co., Ltd.

Full Court Wireless B-Ball Receiver
Model No.: 1-1-37-171, 7-1-37-171

Prepared for	:	Hui Dong Hua Xin Industrial Co., Ltd.
Address	:	No.12, 3 Xiang, Xiamahu Road, Huangpai Chinaware Factory, Pinshan Town, Huidong County, Guangdong Province, China

Prepared By	:	Anbotek Compliance Laboratory Limited
Address	:	1/F, 1 /Build, SEC Industrial Park, No. 4 Qianhai Road, Nanshan District, Shenzhen, 518054, China Tel: (86) 755-26014771 Fax: (86) 755-26014772

Report Number	:	201105729F
Date of Test	:	Jun. 01~10, 2011
Date of Report	:	Jun. 14, 2011

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TEST REPORT VERIFICATION

Applicant	:	Hui Dong Hua Xin Industrial Co., Ltd.
Manufacturer	:	Hui Dong Hua Xin Industrial Co., Ltd.
EUT	:	Full Court Wireless B-Ball Receiver (A) MODEL NO. : 1-1-37-171, 7-1-37-171 (B) SERIAL NO. : N/A (C) POWER SUPPLY: DC 6V (D) TRADE MARK: N/A

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart B 2010 & FCC / ANSI C63.4:2009

The device described above is tested by Anbotek Compliance Laboratory Limited To determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B Class B limits both radiated and conducted emissions. The measurement results are contained in this test report and Anbotek Compliance Laboratory Limited 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 Anbotek Compliance Laboratory Limited

Date of Test : Jun. 01~10, 2011

Prepared by : Well Wang

(Engineer/ Well Wang)

Reviewer : Coco. Xiang

(Project Manager/ Coco Xiang)

Approved & Authorized Signer : Tom. Chen

(Manager/ Tom Chen)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description	:	Full Court Wireless B-Ball Receiver
Model Number	:	1-1-37-171, 7-1-37-171 (Note: The above samples are same except the model number)
Test Power Supply	:	DC 6V via 4 Pcs new (full) AA Battery
Applicant	:	Hui Dong Hua Xin Industrial Co., Ltd.
Address	:	No.12, 3 Xiang, Xiamahu Road, Huangpai Chinaware Factory, Pinshan Town, Huidong County, Guangdong Province, China
Manufacturer	:	Hui Dong Hua Xin Industrial Co., Ltd.
Address	:	No.12, 3 Xiang, Xiamahu Road, Huangpai Chinaware Factory, Pinshan Town, Huidong County, Guangdong Province, China
Date of Sample received	:	Jun. 01, 2011
Date of Test	:	Jun. 01~10, 2011

1.2. Description of Test Facility

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

CNAS - LAB Code: L3503
Anbotek Compliance Laboratory Limited., Laboratory has been assessed and in compliance with CNAS/CL01: 2006 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of Testing Laboratories.

FCC-Registration No.: 752021
Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 752021, August 20, 2010

IC-Registration No.: 8058A-1
Anbotek Compliance Laboratory Limited., EMC Laboratory has been registered and fully described in a report filed with the (IC) Industry Canada. The acceptance letter from the IC is maintained in our files. Registration 8058A-1, August 30, 2010

Test Location
All Emissions tests were performed
Anbotek Compliance Laboratory Limited. at 1/F, 1 /Build, SEC Industrial Park, No. 4 Qianhai Road, Nanshan District, Shenzhen, 518054, China

1.3. Measurement Uncertainty

Radiation Uncertainty	**:**	Ur = 4.3dB
Conduction Uncertainty	**:**	Uc =3.4dB

1.4. Test Summary

For the EUT described above. The standards used were FCC Part 15 Subpart B for Emissions.
Table 1: Tests Carried Out Under FCC Part 15 Subpart B

Standard	Test Items	Status
FCC Part 15 Subpart B	Power Line Conducted Emission Test (150kHz To 30MHz)	x
FCC Part 15 Subpart B	Radiated Emission Test (9KHz to 2000MHz)	√

√ Indicates that the test is applicable
x Indicates that the test is not applicable

2. RADIATED EMISSION MEASUREMENT

2.1. Test Equipment

The following test equipments are used during the radiated emission measurement:

2.1.1. For Anechoic Chamber

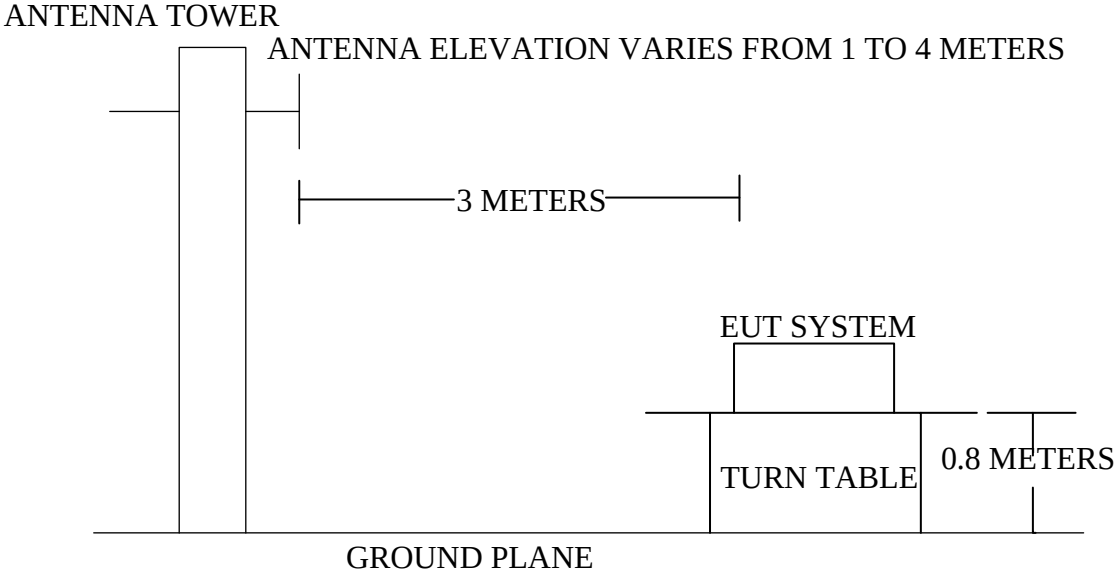
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	Nov. 12, 2010	1 Year
2.	Bilog Antenna	Schwarzbeck	VULB9163	100015	May 17, 2011	1 Year
3.	Loop Antenna	ETS-LINGREN	6502	00071730	Mar.03, 2011	1 Year
4.	Pre-amplifier	Compliance Direction	PAP-0203	22008	May 19, 2011	1 Year
5.	EMI Test Software	SHURPLE	N/A	N/A	N/A	N/A
6.	Coaxial cable	ANBOTEK	N/A	N/A	N/A	N/A

2.2. Block Diagram of Test Setup

2.2.1. Block diagram of connection between the EUT and simulators

(EUT: Full Court Wireless B-Ball Receiver)

2.2.2. Anechoic Chamber Test Setup Diagram



(EUT: Full Court Wireless B-Ball Receiver)

2.3. Radiated Emission Limit (Subpart B Class B)

2.3.1. Test Limits (< 30 MHZ)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30

2.3.2. Test Limits (≥ 30 MHZ)

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
30~88	3	100	40.0
88~216	3	150	43.5
216~960	3	200	46.0
Above 960	3	500	54.0

Remark：

(1) Emission level (dB)μV = 20 log Emission level μV/m

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

2.4. EUT Configuration on Measurement

The following equipments 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.

EUT : Full Court Wireless B-Ball Receiver

Model Number : 1-1-37-171

Applicant : Hui Dong Hua Xin Industrial Co., Ltd.

2.5. Operating Condition of EUT

2.5.1. Setup the EUT as shown in Section 2.2.

2.5.2. Let the EUT work in test mode (On) and measure it.

2.6. Test Procedure

EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground. The turn table 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. 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 C63.4:2009 on radiated emission measurement.

All readings from 30MHz to 1GHz are quasi-peak values with a resolution bandwidth of 120kHz. All reading are above 1GHz, peak & average values with a resolution bandwidth of 1MHz.

The EUT is tested in 9*6*6 Chamber.

The frequency range from 10.7MHz to 2000MHz is checked.

The test mode (On) is tested in chamber and all the test results are listed in Section 2.7.

2.7. Radiated Emission Measurement Results

PASS.

Test data see the following pages.

Remark: There is no emissions were detected form 10.7MHz to 30MHz

FCC ID: ZNT1137171R

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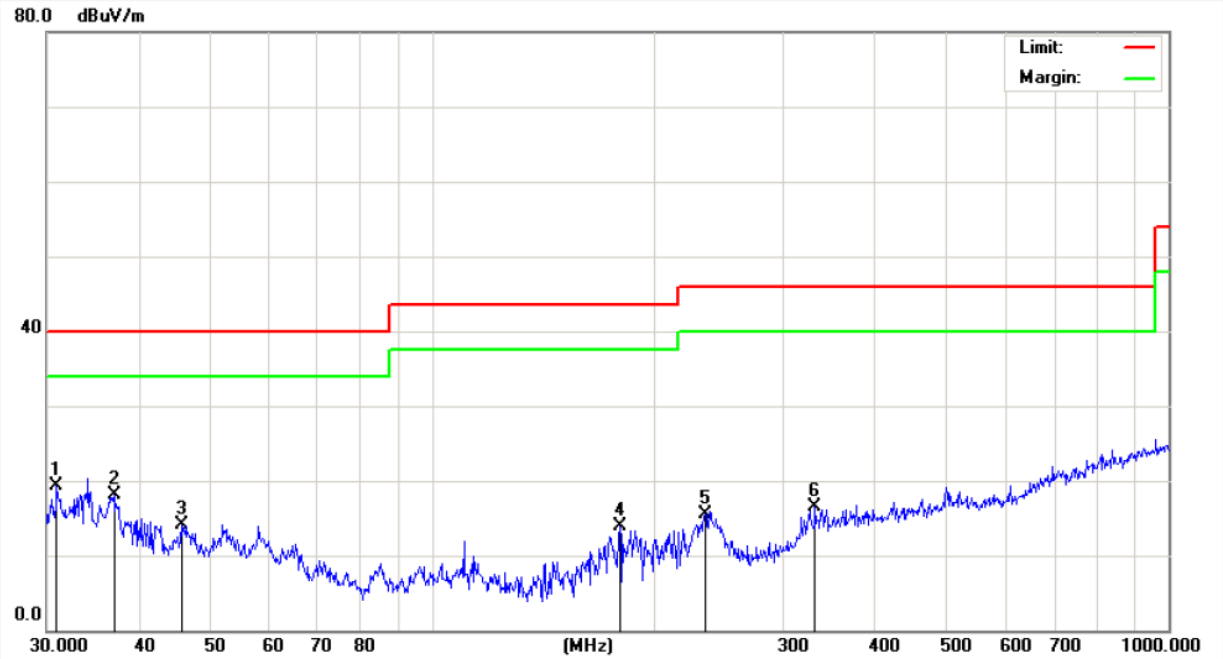
Http://www.anbotek.com

Job No.:	**AT1105669F**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC Part 15_class B_3m**	**Power Source:**	**DC 6V**
Test item:	**Radiation Test**	**Date:**	**2011/06/06**
Temp.(C)/Hum.(%RH):	**24.3(°C)/55%RH**	**Time:**	**14:36:40**
EUT:	**Full Court Wireless B-Ball Receiver**	**Test By:**	**Well Wang**
Model:	**1-1-37-171**	**Distance:**	**3m**
Note:	**ON**		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	30.9619	45.54	-26.30	19.24	40.00	-20.76	peak			
2	37.0248	43.66	-25.64	18.02	40.00	-21.98	peak			
3	45.6948	38.83	-24.76	14.07	40.00	-25.93	peak			
4	180.0165	44.30	-30.41	13.89	43.50	-29.61	peak			
5	234.9909	42.61	-27.11	15.50	46.00	-30.50	peak			
6	331.3546	39.80	-23.23	16.57	46.00	-29.43	peak			

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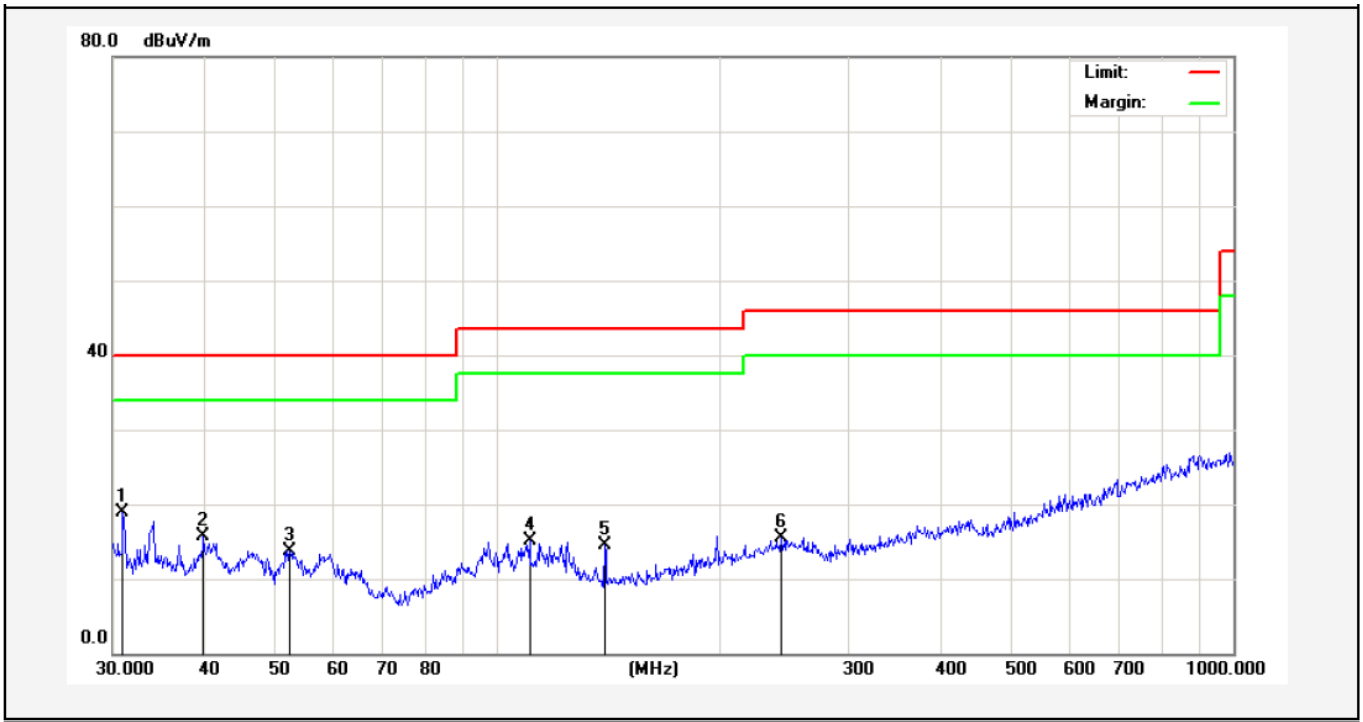
Job No.:	**AT1105669F**	**Polarziation:**	Vertical
Standard:	**(RE)FCC Part 15_class B_3m**	**Power Source:**	**DC 6V**
Test item:	**Radiation Test**	**Date:**	**2011/06/06**
Temp.(C)/Hum.(%RH):	**24.3(°C)/55%RH**	**Time:**	**14:41:58**
EUT:	**Full Court Wireless B-Ball Receiver**	**Test By:**	**Well Wang**
Model:	**1-1-37-171**	**Distance:**	**3m**
Note:	**ON**		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	30.9619	45.20	-26.30	18.90	40.00	-21.10	peak			
2	39.8542	40.52	-24.87	15.65	40.00	-24.35	peak			
3	52.2079	38.73	-25.01	13.72	40.00	-26.28	peak			
4	110.5687	39.55	-24.39	15.16	43.50	-28.34	peak			
5	139.8508	41.61	-27.13	14.48	43.50	-29.02	peak			
6	243.3772	38.14	-22.58	15.56	46.00	-30.44	peak			

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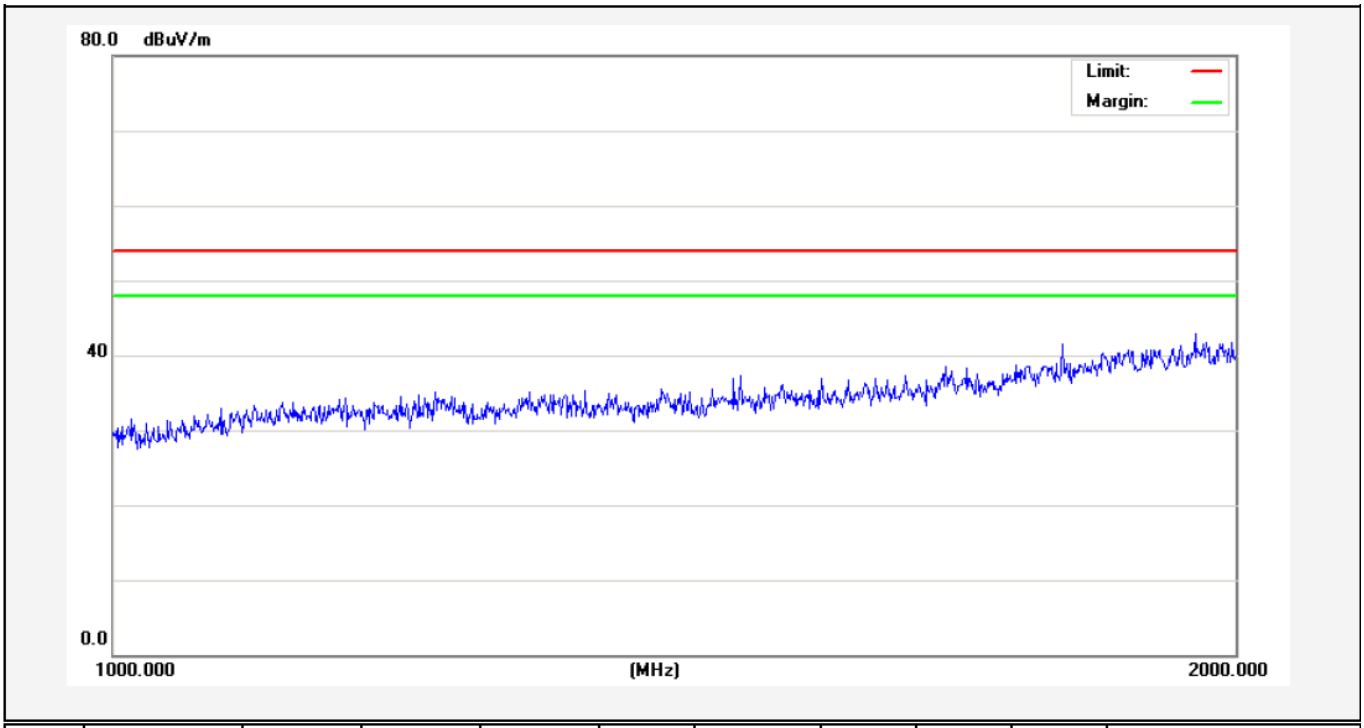
Job No.:	**AT1105669F**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC Part 15_class B_3m**	**Power Source:**	**DC 6V**
Test item:	**Radiation Test**	**Date:**	**2011/06/06**
Temp.(C)/Hum.(%RH):	**24.3(°C)/55%RH**	**Time:**	**14:45:10**
EUT:	**Full Court Wireless B-Ball Receiver**	**Test By:**	**Well Wang**
Model:	**1-1-37-171**	**Distance:**	**3m**

Note: **ON**



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

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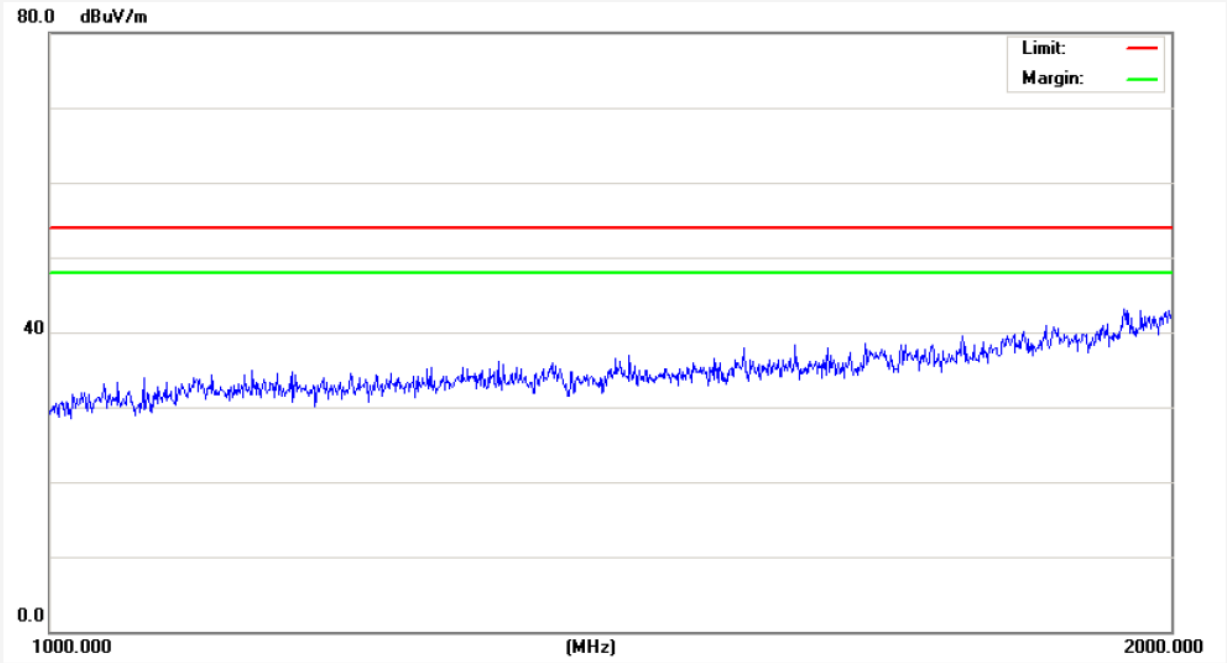
Job No.:	**AT1105669F**	**Polarziation:**	Vertical
Standard:	**(RE)FCC Part 15_class B_3m**	**Power Source:**	**DC 6V**
Test item:	**Radiation Test**	**Date:**	**2011/06/06**
Temp.(C)/Hum.(%RH):	**24.3(°C)/55%RH**	**Time:**	**14:48:12**
EUT:	**Full Court Wireless B-Ball Receiver**	**Test By:**	**Well Wang**
Model:	**1-1-37-171**	**Distance:**	**3m**
Note:	**ON**		



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