

APPLICATION FOR VERIFICATION
On Behalf of
A&H Design Group, Ltd.

Wireless remote control vibrator
Model No.: BV-001 BLK, BV-001 TL

FCC ID: 2AG2K-BV-001RX

Prepared for : A&H Design Group, Ltd.
Address : Suite 608, Tower One, Harbour Centre1 Hok Cheung
Street, Hung Hom ,Kowloon, Hong Kong
Prepared by : Accurate Technology Co., Ltd.
Address : F1, Bldg. A&D, Changyuan New Material Port, Keyuan
Rd., Science & Industry Park, Nanshan District, Shenzhen
518057, P.R. China

Tel: +86-755-26503290
Fax: +86-755-26503396

Report No. : ATE20152701
Date of Test : Dec 21-24, 2015
Date of Report : Dec 24,2015

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Test Report Declaration

Applicant : A&H Design Group, Ltd.
Manufacturer : TOPARC Technology(Shenzhen)Co.,Ltd.
Product : Wireless remote control vibrator
Model No. : BV-001 BLK, BV-001 TL
(Note: they are identical in interior structure, electrical circuits and components, and Product model is different because of different Color of product appearance. So we prepare the BV-001 BLK for test.)
Trade name : N/A

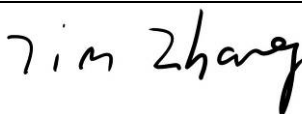
Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart B ANSI C63.4: 2014

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 B Class B limits both radiated and conducted emissions. 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 : Dec 21--Dec 24, 2015
Date of Report : Dec 24, 2015

Prepared by : 
(Tim.zhang, Engineer)

Approved & Authorized Signer : 
(Sean Liu, Manager)

1. TEST RESULTS SUMMARY

Test Items	Test Standard	Test Results
Power Line Conducted Emission	FCC Part 15 Subpart B	Pass
Radiated Emission	FCC Part 15 Subpart B	Pass

2. GENERAL INFORMATION

2.1.Product of Device (EUT)

EUT	: Wireless remote control vibrator
Model Number	: BV-001 BLK, BV-001 TL
Power Supply	: DC 5V(powered by Charge port) or DC 3.7V(powered by battery)
Modulation:	: ASK
RX Frequency	: 433.92MHz
Applicant	: A&H Design Group, Ltd.
Address	: Suite 608, Tower One, Harbour Centre1 Hok Cheung Street, Hung Hom ,Kowloon, Hong Kong
Manufacturer	: TOPARC Technology(Shenzhen)Co., Ltd.
Address	: 1/2F, 12 Building, Lianchuang Park, Bulan Road, Buji Town, Longgang District, Shenzhen City, Guangdong Province, P.R. China 518114
Date of sample received	: Dec 21, 2015
Date of Test	: Dec 21-24, 2015

2.2.Special Accessory and Auxiliary Equipment

AC/DC Power Adapter: Model:NF5V-1.5C-1U
(provided by laboratory) INPUT: 100-240V~50/60Hz 0.5A
OUTPUT:5V/1.5A

2.3. Description of Test Facility

EMC Lab : Accredited by TUV Rheinland Shenzhen, May 10, 2004

Listed by FCC
The Registration Number is 253065
Listed by FCC
The Registration Number is 752051

Listed by Industry Canada
The Registration Number is 5077A-1
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&D, Changyuan New Material Port, Keyuan Rd., Science & Industry Park, Nanshan District, Shenzhen 518057, P.R. China

2.4. Measurement Uncertainty

Conducted emission expanded uncertainty : U=2.23dB, k=2
Power disturbance expanded uncertainty : U=2.92dB, k=2
Radiated emission expanded uncertainty : U=3.08dB, k=2
(9kHz-30MHz)
Radiated emission expanded uncertainty : U=4.42dB, k=2
(30MHz-1000MHz)
Radiated emission expanded uncertainty : U=4.06dB, k=2
(Above 1GHz)

3. MEASURING DEVICE AND TEST EQUIPMENT

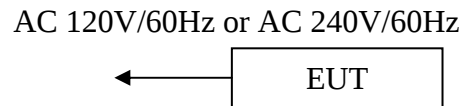
Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Type	S/N	Calibrated dates	Cal. Interval
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 10, 2015	One Year
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 10, 2015	One Year
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 10, 2015	One Year
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 10, 2015	One Year
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 15, 2015	One Year
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 15, 2015	One Year
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 15, 2015	One Year
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1067	Jan. 15, 2015	One Year
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 10, 2015	One Year
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 10, 2015	One Year
Highpass Filter	Wainwright Instruments	WHKX3.6/18 G-10SS	N/A	Jan. 10, 2015	One Year
Band Reject Filter	Wainwright Instruments	WRCG2400/2 485-2375/2510 -60/11SS	N/A	Jan. 10, 2015	One Year

4. POWER LINE CONDUCTED MEASUREMENT

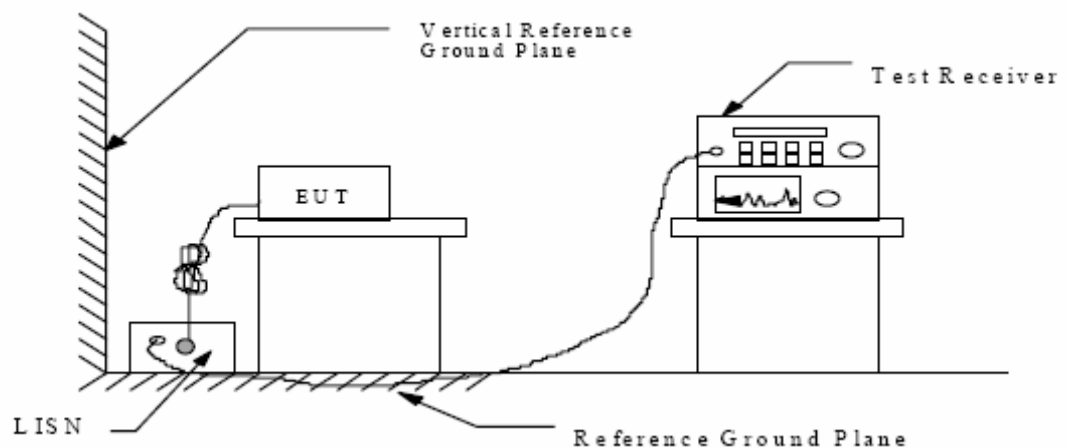
4.1. Block Diagram of Test Setup

4.1.1. Block diagram of connection between the EUT and simulators



(EUT: Wireless remote control vibrator)

4.1.2. Shielding Room Test Setup Diagram



(EUT: Wireless remote control vibrator)

4.2. The Emission Limit

4.2.1. Conducted Emission Measurement Limits According to Section 15.107(a)

Frequency (MHz)	Limit dB(μV)	
	Quasi-peak Level	Average Level
0.15 - 0.50	66.0 – 56.0 *	56.0 – 46.0 *
0.50 - 5.00	56.0	46.0
5.00 - 30.00	60.0	50.0

* Decreases with the logarithm of the frequency.

4.3. Configuration of EUT on Measurement

The following equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner, which tends to maximize its emission characteristics in a normal application.

4.3.1. Wireless remote control vibrator (EUT)

Model Number: BV-001 BLK

Serial Number: N/A

Manufacturer: TOPARC Technology(Shenzhen)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 test mode and measure it.

4.5. Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2014 on Conducted Emission Measurement.

The bandwidth of test receiver(R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

4.6. Power Line Conducted Emission Measurement Results

PASS.

Test Mode: Charging(240V/60Hz)								
MEASUREMENT RESULT: "WRC004_fin"								
2015-12-22 10:51								
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE	
0.154000	48.80	10.4	66	17.0	QP	L1	GND	
0.586000	42.80	11.5	56	13.2	QP	L1	GND	
2.963000	30.90	11.7	56	25.1	QP	L1	GND	
MEASUREMENT RESULT: "WRC004_fin2"								
2015-12-22 10:51								
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE	
0.154000	31.00	10.4	56	24.8	AV	L1	GND	
0.586000	29.50	11.5	46	16.5	AV	L1	GND	
2.963000	20.00	11.7	46	26.0	AV	L1	GND	
MEASUREMENT RESULT: "WRC005_fin"								
2015-12-22 10:54								
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE	
0.162000	45.40	10.4	65	20.0	QP	N	GND	
0.586000	40.20	11.5	56	15.8	QP	N	GND	
4.056500	28.30	11.8	56	27.7	QP	N	GND	
MEASUREMENT RESULT: "WRC005_fin2"								
2015-12-22 10:54								
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE	
0.152000	30.20	10.4	56	25.7	AV	N	GND	
0.586000	31.20	11.5	46	14.8	AV	N	GND	
4.047500	20.50	11.8	46	25.5	AV	N	GND	

Test Mode: Charging(120V/60Hz)								
MEASUREMENT RESULT: "WRC007_fin"								
2015-12-22 10:58								
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE	
0.154000	46.70	10.4	66	19.1	QP	L1	GND	
0.342000	39.80	11.1	59	19.4	QP	L1	GND	
0.564000	40.20	11.5	56	15.8	QP	L1	GND	
MEASUREMENT RESULT: "WRC007_fin2"								
2015-12-22 10:58								
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE	
0.154000	28.60	10.4	56	27.2	AV	L1	GND	
0.342000	24.30	11.1	49	24.9	AV	L1	GND	
0.564000	25.40	11.5	46	20.6	AV	L1	GND	
MEASUREMENT RESULT: "WRC006_fin"								
2015-12-22 10:56								
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE	
0.156000	46.50	10.4	66	19.2	QP	N	GND	
0.294000	40.10	11.0	60	20.3	QP	N	GND	
0.584000	37.30	11.5	56	18.7	QP	N	GND	
MEASUREMENT RESULT: "WRC006_fin2"								
2015-12-22 10:56								
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE	
0.154000	30.80	10.4	56	25.0	AV	N	GND	
0.296000	26.10	11.0	50	24.3	AV	N	GND	
0.584000	28.10	11.5	46	17.9	AV	N	GND	

Emissions attenuated more than 20 dB below the permissible value are not reported.

The spectral diagrams are shown in the following pages.

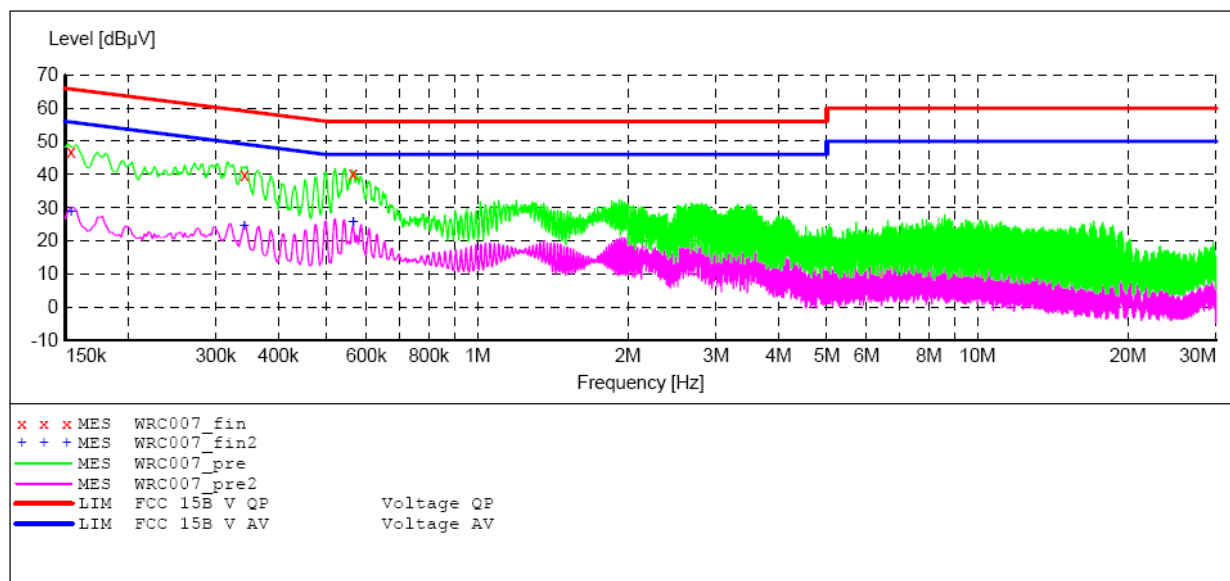
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Wireless remote control vibrator M/N: BV-001 BLK
 Manufacturer: TOPARC
 Operating Condition: Charging
 Test Site: 2#Shielding Room
 Operator: STAR
 Test Specification: L 120V/60Hz
 Comment: Report NO.: ATE20152701
 Start of Test: 2015-12-22 / 10:56:38

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz LISN (ESH3-Z5)
 Average



MEASUREMENT RESULT: "WRC007_fin"

2015-12-22 10:58

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.154000	46.70	10.4	66	19.1	QP	L1	GND
0.342000	39.80	11.1	59	19.4	QP	L1	GND
0.564000	40.20	11.5	56	15.8	QP	L1	GND

MEASUREMENT RESULT: "WRC007_fin2"

2015-12-22 10:58

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.154000	28.60	10.4	56	27.2	AV	L1	GND
0.342000	24.30	11.1	49	24.9	AV	L1	GND
0.564000	25.40	11.5	46	20.6	AV	L1	GND

ACCURATE TECHNOLOGY CO., LTD

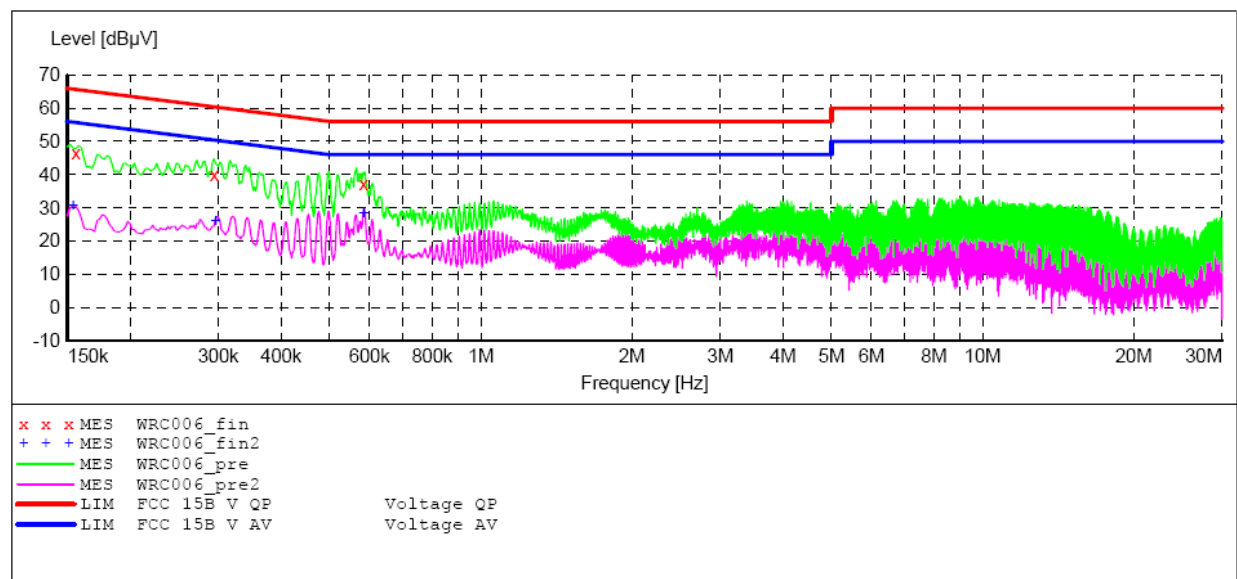
CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Wireless remote control vibrator M/N:BV-001 BLK
 Manufacturer: TOPARC
 Operating Condition: Charging
 Test Site: 2#Shielding Room
 Operator: STAR
 Test Specification: N 120V/60Hz
 Comment: Report NO.:ATE20152701
 Start of Test: 2015-12-22 / 10:54:33

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70

Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	4.5 kHz	QuasiPeak	1.0 s	9 kHz	LISN(ESH3-Z5)
Average						



MEASUREMENT RESULT: "WRC006_fin"

2015-12-22 10:56

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.156000	46.50	10.4	66	19.2	QP	N	GND
0.294000	40.10	11.0	60	20.3	QP	N	GND
0.584000	37.30	11.5	56	18.7	QP	N	GND

MEASUREMENT RESULT: "WRC006_fin2"

2015-12-22 10:56

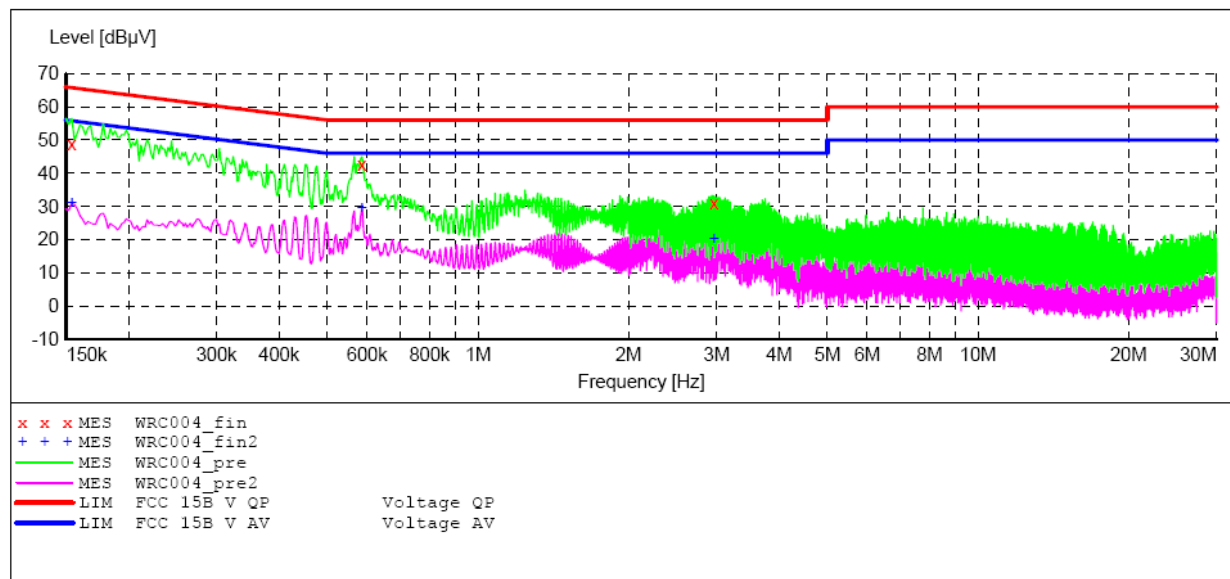
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.154000	30.80	10.4	56	25.0	AV	N	GND
0.296000	26.10	11.0	50	24.3	AV	N	GND
0.584000	28.10	11.5	46	17.9	AV	N	GND

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Wireless remote control vibrator M/N:BV-001 BLK
 Manufacturer: TOPARC
 Operating Condition: Charging
 Test Site: 2#Shielding Room
 Operator: STAR
 Test Specification: L 240V/60Hz
 Comment: Report NO.:ATE20152701
 Start of Test: 2015-12-22 / 10:50:00

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz LISN (ESH3-Z5)
 Average



MEASUREMENT RESULT: "WRC004_fin"

2015-12-22 10:51

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.154000	48.80	10.4	66	17.0	QP	L1	GND
0.586000	42.80	11.5	56	13.2	QP	L1	GND
2.963000	30.90	11.7	56	25.1	QP	L1	GND

MEASUREMENT RESULT: "WRC004_fin2"

2015-12-22 10:51

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.154000	31.00	10.4	56	24.8	AV	L1	GND
0.586000	29.50	11.5	46	16.5	AV	L1	GND
2.963000	20.00	11.7	46	26.0	AV	L1	GND

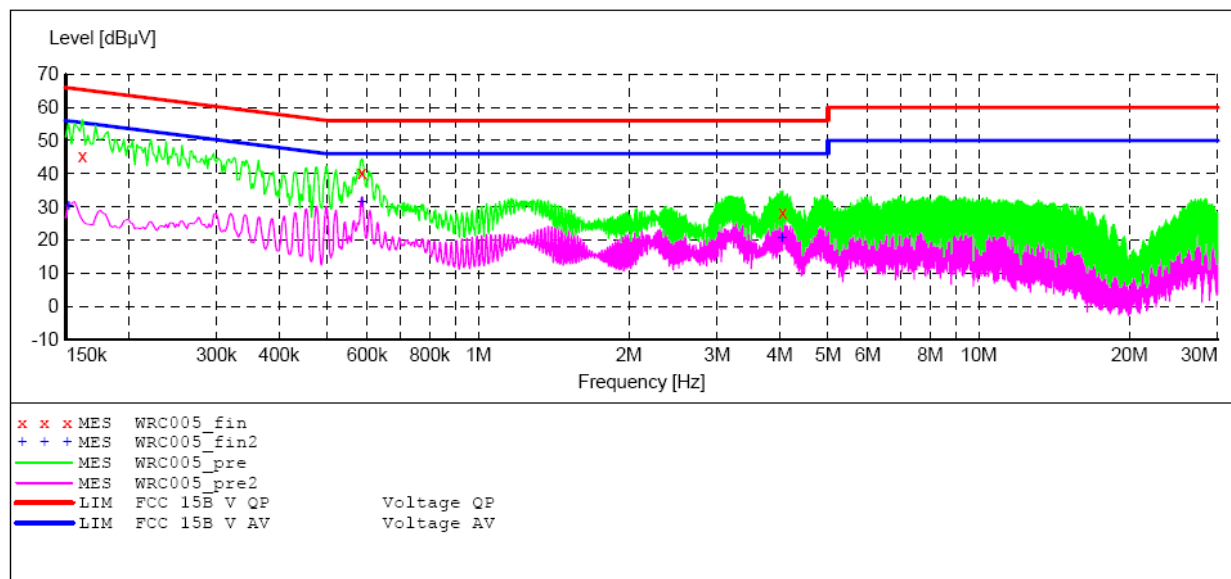
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Wireless remote control vibrator M/N:BV-001 BLK
 Manufacturer: TOPARC
 Operating Condition: Charging
 Test Site: 2#Shielding Room
 Operator: STAR
 Test Specification: N 240V/60Hz
 Comment: Report NO.:ATE20152701
 Start of Test: 2015-12-22 / 10:52:25

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)
 Average



MEASUREMENT RESULT: "WRC005_fin"

2015-12-22 10:54

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.162000	45.40	10.4	65	20.0	QP	N	GND
0.586000	40.20	11.5	56	15.8	QP	N	GND
4.056500	28.30	11.8	56	27.7	QP	N	GND

MEASUREMENT RESULT: "WRC005_fin2"

2015-12-22 10:54

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.152000	30.20	10.4	56	25.7	AV	N	GND
0.586000	31.20	11.5	46	14.8	AV	N	GND
4.047500	20.50	11.8	46	25.5	AV	N	GND

5. RADIATED EMISSION MEASUREMENT

5.1. Block Diagram of Test Setup

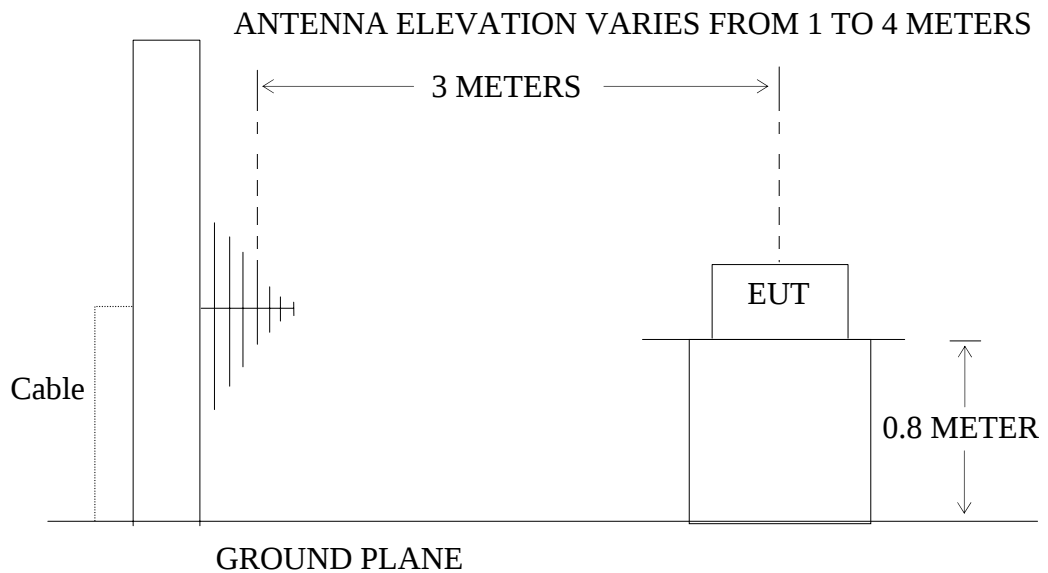
5.1.1. Block diagram of connection between the EUT and simulators

AC 120V/60Hz or DC 3.7V(battery)



(EUT: Wireless remote control vibrator)

5.1.2. Semi-Anechoic Chamber Test Setup Diagram



(EUT: Wireless remote control vibrator)

5.2.The Emission Limit For Section 15.109 (a)

5.2.1.Radiation Emission Measurement Limits According to Section 15.109 (a).

Frequency MHz	Distance Meters	Field Strengths Limit	
		$\mu\text{V/m}$	$\text{dB}(\mu\text{V/m})$
30-88	3	100	40.0
88-216	3	150	43.5
216-960	3	200	46.0
960-1000	3	500	54.0
Remark: (1) Emission level $\text{dB}(\mu\text{V}) = 20 \log$ Emission level $\mu\text{V/m}$. (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.			

5.3.EUT Configuration on Measurement

The following equipment is 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.

5.3.1.Wireless remote control vibrator

Model Number: BV-001 BLK

Serial Number: N/A

Manufacturer: TOPARC Technology(Shenzhen)Co., Ltd.

5.4.Operating Condition of EUT

5.4.1.Setup the EUT and simulator as shown as Section 4.2.

5.4.2.Turn on the power of all equipment.

5.4.3.Let the EUT work in test mode and measure it.

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: 2014 on radiated emission measurement.

The bandwidth of the EMI test receiver(R&S ESCS30) is set at 120kHz from 30MHz to 1000MHz.

The frequency range from 30MHz to 5000MHz is checked.

5.6.Radiated Emission Noise Measurement Result

PASS.

Model Number: BV-001 BLK								
Test mode: Charging(120V/60Hz)								
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	151.5567	37.64	-22.18	15.46	43.50	-28.04	QP
	2	176.8953	40.14	-20.62	19.52	43.50	-23.98	QP
	3	246.9901	39.78	-18.19	21.59	46.00	-24.41	QP
Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	72.2111	42.01	-22.97	19.04	40.00	-20.96	QP
	2	176.8952	43.14	-20.62	22.52	43.50	-20.98	QP
	3	245.2606	40.57	-18.20	22.37	46.00	-23.63	QP
Above 1G								
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	2809.536	44.27	-6.77	37.50	74.00	-36.50	peak
	2	2809.536	37.00	-6.77	30.23	54.00	-23.77	AVG
Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	4701.634	42.44	-2.64	39.80	74.00	-34.20	peak
	2	4701.634	36.10	-2.64	33.46	54.00	-20.54	AVG

Model Number: BV-001 BLK								
Test mode: RX(3.7V)								
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	952.0000	27.76	-3.40	24.36	46.00	-21.64	QP
Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	554.1707	27.69	-11.01	16.68	46.00	-29.32	QP
Above 1G								
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	2389.548	44.62	-8.00	36.62	74.00	-37.38	peak
	2	2389.548	35.05	-8.00	27.05	54.00	-26.95	AVG
Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	3250.287	41.55	-5.35	36.20	74.00	-37.80	peak
	2	3250.287	34.26	-5.35	28.91	54.00	-25.09	AVG

Below 1GHz



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #2325

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Wireless remote control vibrator

Mode: Charging

Model: BV-001 BLK

Manufacturer: TOPARC

Polarization: Horizontal

Power Source: AC 120V/60Hz

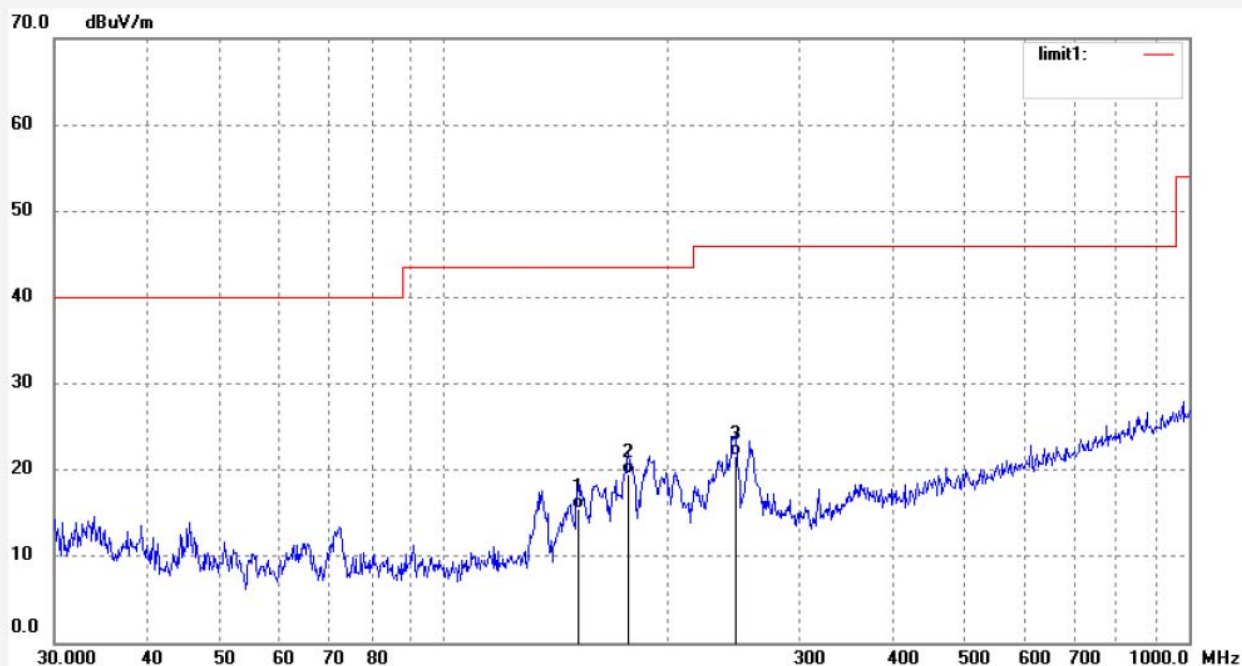
Date: 15/12/22/

Time: 9/56/01

Engineer Signature: star

Distance: 3m

Note: Report No.:ATE20152701



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	151.5567	37.64	-22.18	15.46	43.50	-28.04	QP			
2	176.8953	40.14	-20.62	19.52	43.50	-23.98	QP			
3	246.9901	39.78	-18.19	21.59	46.00	-24.41	QP			



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Site: 1# Chamber

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Fax:+86-0755-26503396

Job No.: STAR2015 #2326

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Wireless remote control vibrator

Mode: Charging

Model: BV-001 BLK

Manufacturer: TOPARC

Polarization: Vertical

Power Source: AC 120V/60Hz

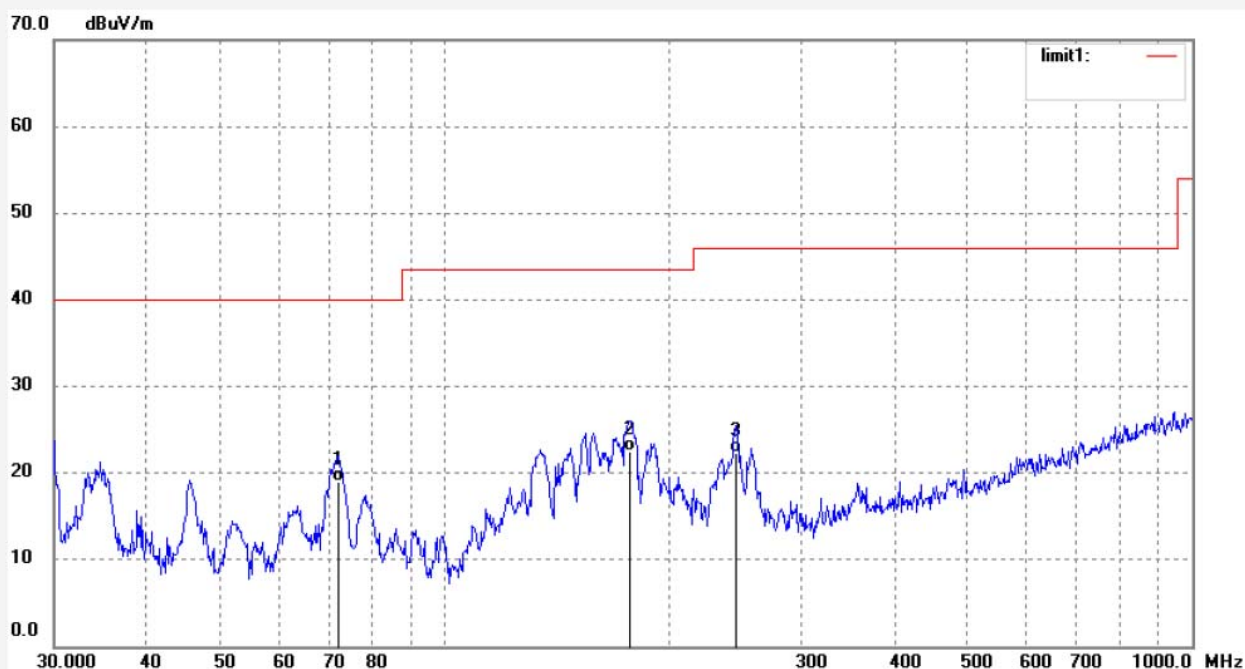
Date: 15/12/22/

Time: 9/59/52

Engineer Signature: star

Distance: 3m

Note: Report No.:ATE20152701



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	72.2111	42.01	-22.97	19.04	40.00	-20.96	QP			
2	176.8952	43.14	-20.62	22.52	43.50	-20.98	QP			
3	245.2606	40.57	-18.20	22.37	46.00	-23.63	QP			



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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #2327

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Wireless remote control vibrator

Mode: RX(433.92)

Model: BV-001 BLK

Manufacturer: TOPARC

Polarization: Vertical

Power Source: DC 3.7V

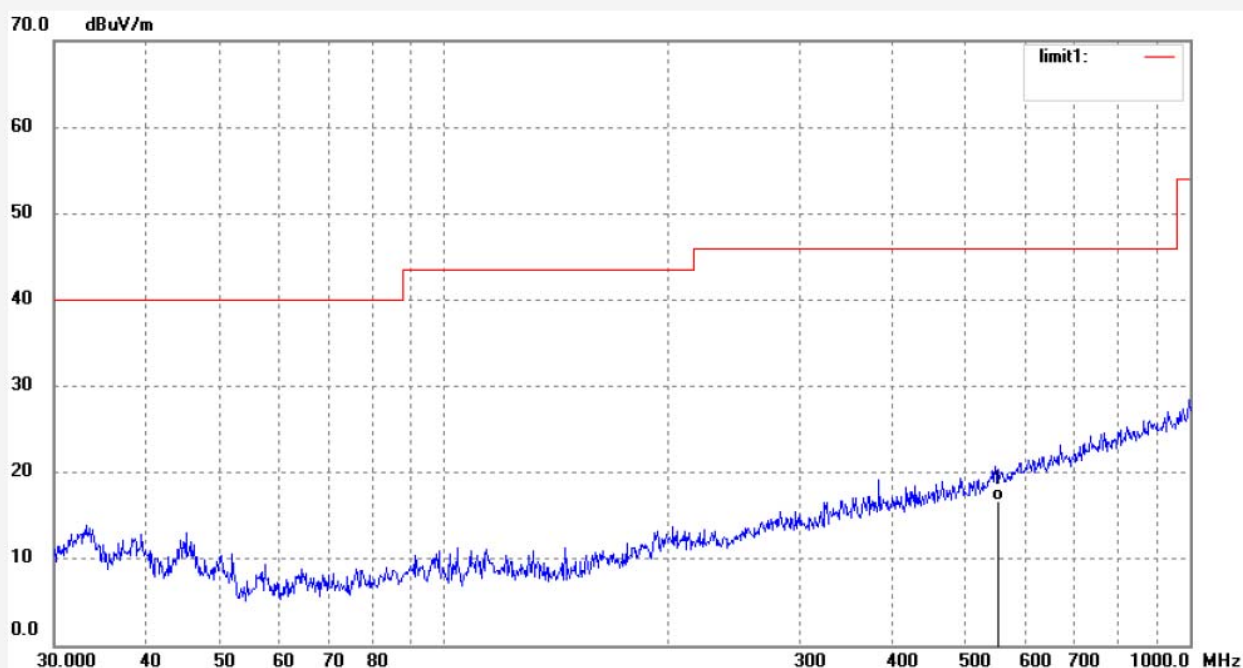
Date: 15/12/22/

Time: 10/05/38

Engineer Signature: star

Distance: 3m

Note: Report No.:ATE20152701



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	554.1707	27.69	-11.01	16.68	46.00	-29.32	QP			



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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #2328

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Wireless remote control vibrator

Mode: RX(433.92)

Model: BV-001 BLK

Manufacturer: TOPARC

Polarization: Horizontal

Power Source: DC 3.7V

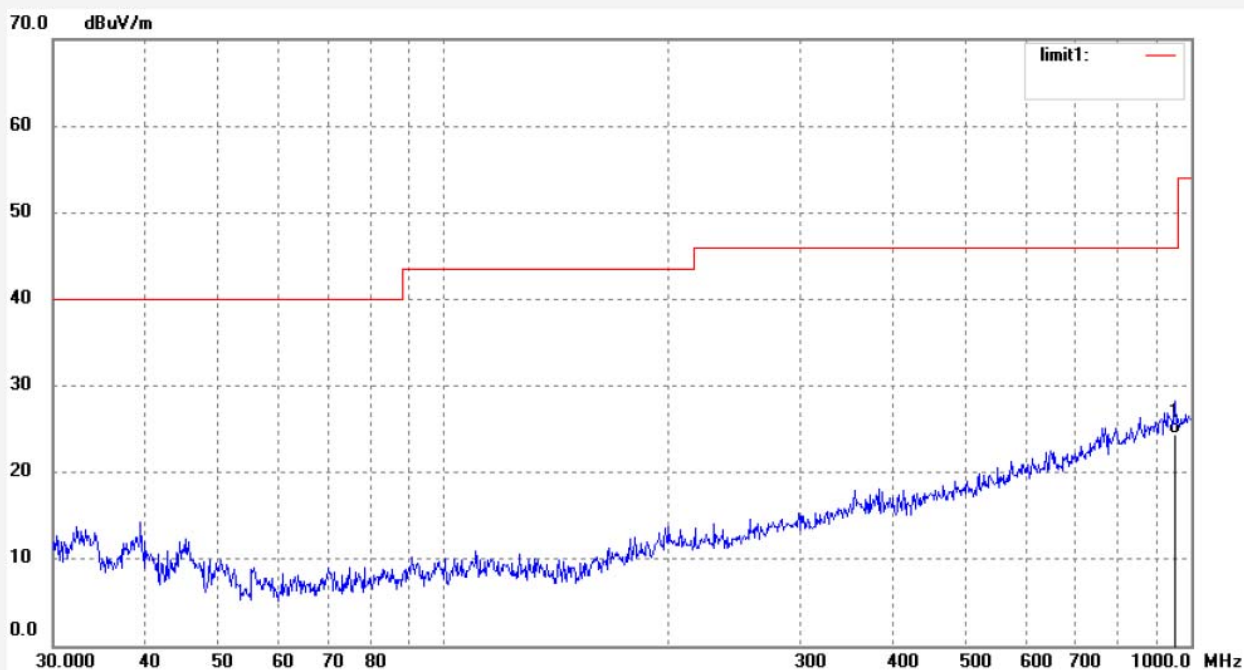
Date: 15/12/22/

Time: 10/06/29

Engineer Signature: star

Distance: 3m

Note: Report No.:ATE20152701



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	952.0000	27.76	-3.40	24.36	46.00	-21.64	QP			

Above 1GHz



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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #2344

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Wireless remote control vibrator

Mode: Charging

Model: BV-001 BLK

Manufacturer: TOPARC

Polarization: Horizontal

Power Source: AC 120V/60Hz

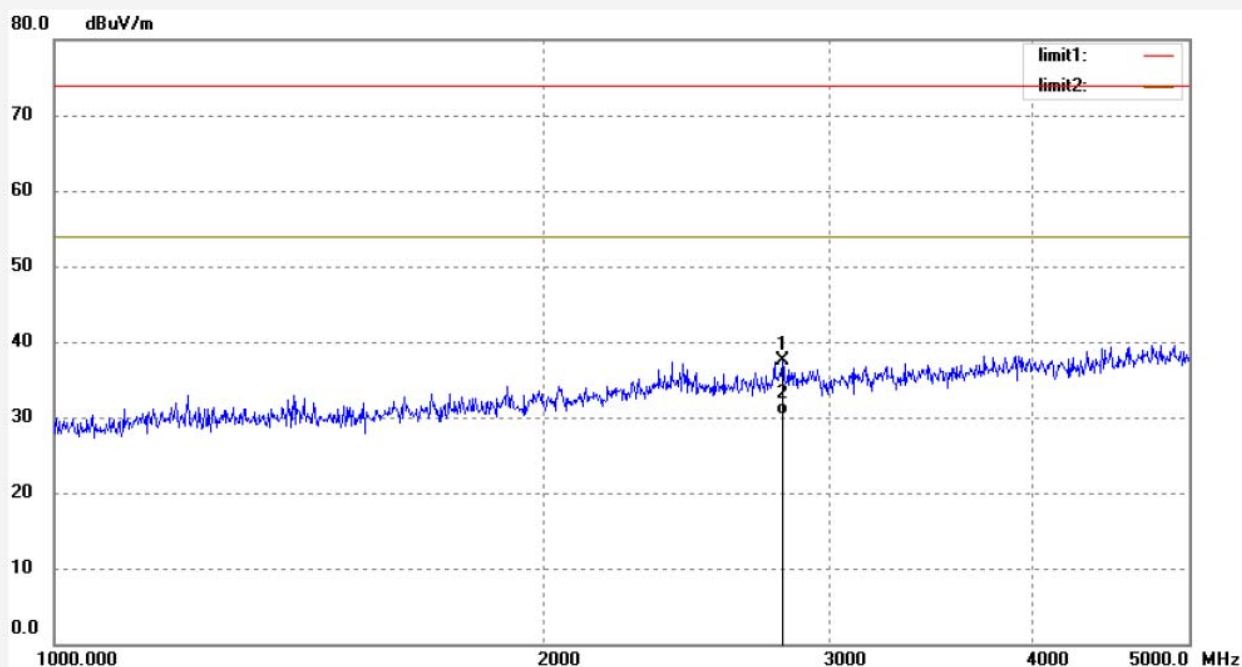
Date: 15/12/24/

Time: 16/07/09

Engineer Signature: star

Distance: 3m

Note: Report No.:ATE20152701



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2809.536	44.27	-6.77	37.50	74.00	-36.50	peak			
2	2809.536	37.00	-6.77	30.23	54.00	-23.77	AVG			



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Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #2343

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Wireless remote control vibrator

Mode: Charging

Model: BV-001 BLK

Manufacturer: TOPARC

Polarization: Vertical

Power Source: AC 120V/60Hz

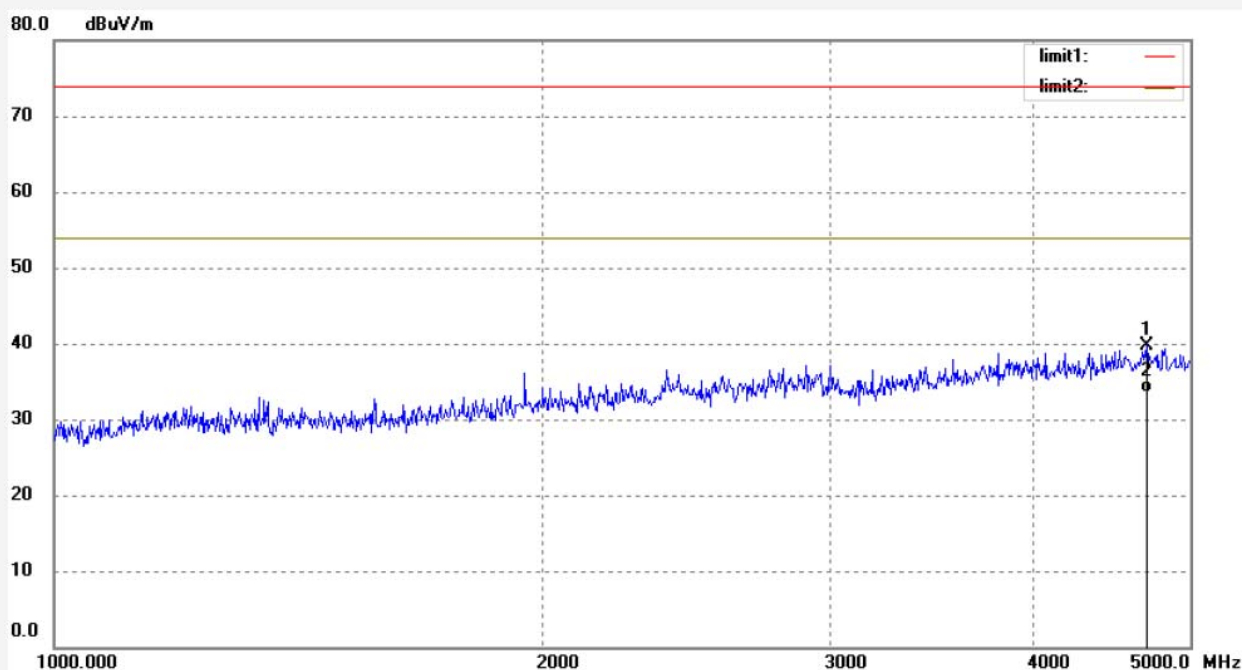
Date: 15/12/24/

Time: 16/06/42

Engineer Signature: star

Distance: 3m

Note: Report No.:ATE20152701



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4701.634	42.44	-2.64	39.80	74.00	-34.20	peak			
2	4701.634	36.10	-2.64	33.46	54.00	-20.54	AVG			

Job No.: STAR2015 #2345

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Wireless remote control vibrator

Mode: RX(433.92MHz)

Model: BV-001 BLK

Manufacturer: TOPARC

Polarization: Horizontal

Power Source: DC 3.7V

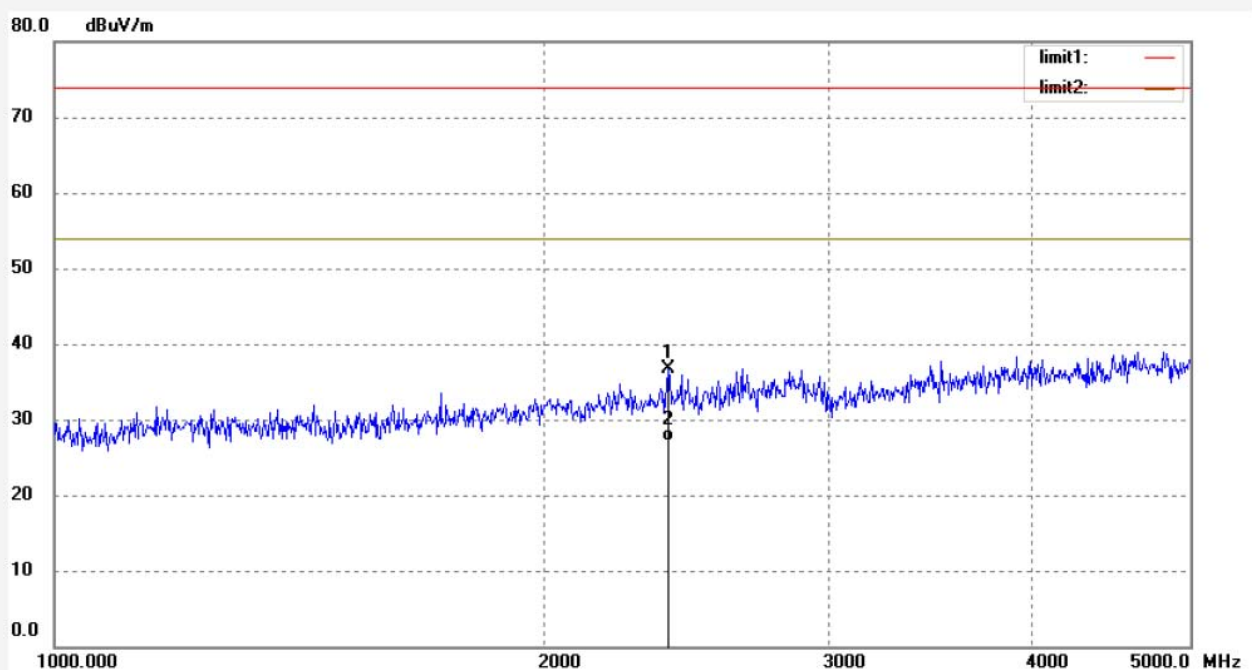
Date: 15/12/24/

Time: 16/07/20

Engineer Signature: star

Distance: 3m

Note: Report No.:ATE20152701



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2389.548	44.62	-8.00	36.62	74.00	-37.38	peak			
2	2389.548	35.05	-8.00	27.05	54.00	-26.95	AVG			

Job No.: STAR2015 #2346

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Wireless remote control vibrator

Mode: RX(433.92MHz)

Model: BV-001 BLK

Manufacturer: TOPARC

Polarization: Vertical

Power Source: DC 3.7V

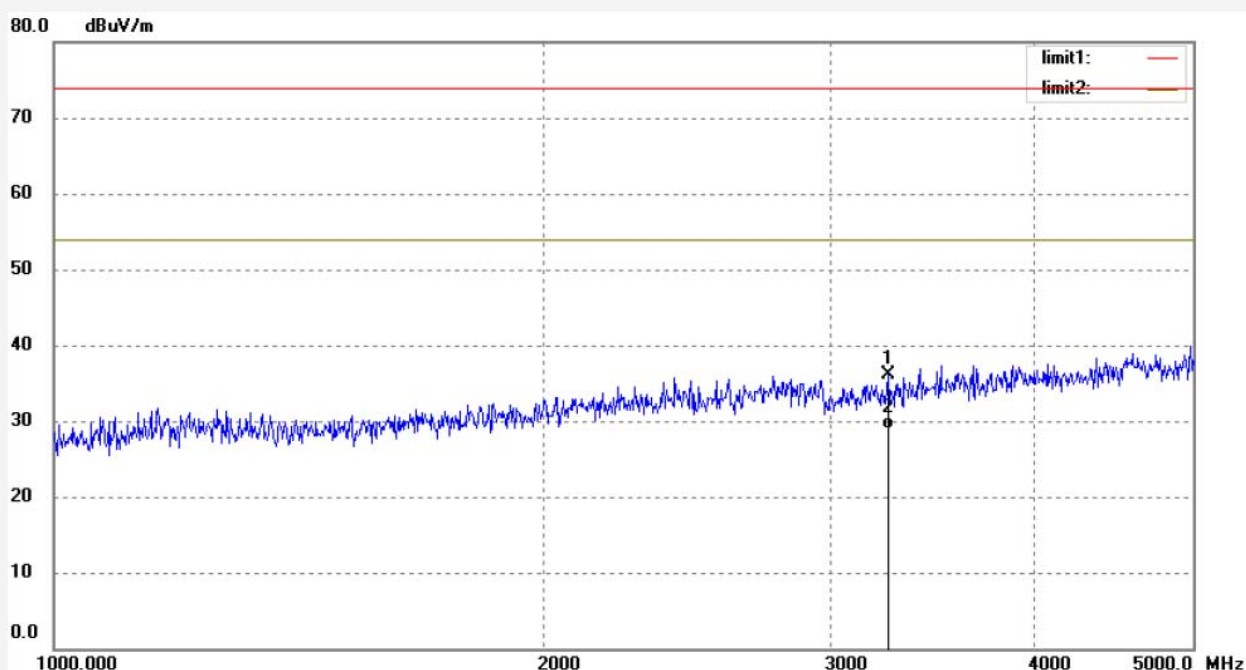
Date: 15/12/24/

Time: 16/07/30

Engineer Signature: star

Distance: 3m

Note: Report No.:ATE20152701



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	3250.287	41.55	-5.35	36.20	74.00	-37.80	peak			
2	3250.287	34.26	-5.35	28.91	54.00	-25.09	AVG			