

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

Wireless remote control vibrator  
Model No.: TRC-013 BLK, TRC-013 NAV

FCC ID: 2AG2K-TRC-013RX

Prepared for : A&H Design Group, Ltd.  
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Prepared by : Accurate Technology Co., Ltd.  
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Report No. : ATE20161912  
Date of Test : Aug 25--Aug 30, 2016  
Date of Report : Aug 31, 2016

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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. : TRC-013 BLK, TRC-013 NAV  
(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 TRC-013 NAV for test.)  
Trade name : N/A


Measurement Procedure Used:


### **FCC Rules and Regulations Part 15 Subpart B:2015 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 : Aug 25--Aug 30, 2016  
Date of Report : Aug 31, 2016

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	: TRC-013 BLK, TRC-013 NAV
Power Supply	: DC 5V(powered by Charge port) or DC 3.7V(powered by battery)
Modulation:	: ASK
RX Frequency	: 433.92MHz
Applicant Address	: A&H Design Group, Ltd. Suite 608, Tower One, Harbour Centre1 Hok Cheung Street, Hung Hom ,Kowloon, Hong Kong
Manufacturer Address	: TOPARC Technology(Shenzhen)Co., Ltd. 1/2F, 12 Building, Lianchuang Park, Bulan Road, Buji Town, Longgang District, Shenzhen City, Guangdong Province, P.R. China
Date of sample received	: Aug 25, 2016
Date of Test	: Aug 25--Aug 30, 2016

### 2.2.Special Accessory and Auxiliary Equipment

AC/DC Power Adapter: Model:NF5V-1.5C-1U  
(provided by laboratory) INPUT: 120V/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

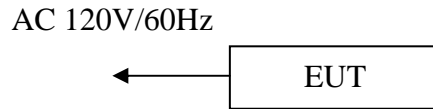
**Table 1: List of Test and Measurement Equipment**

Kind of equipment	Manufacturer	Type	S/N	Calibrated dates	Cal. Interval
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 09, 2016	One Year
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 09, 2016	One Year
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 09, 2016	One Year
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 09, 2016	One Year
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 14, 2016	One Year
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 14, 2016	One Year
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 14, 2016	One Year
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1067	Jan. 14, 2016	One Year
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 09, 2016	One Year
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 09, 2016	One Year
Highpass Filter	Wainwright Instruments	WHKX3.6/18 G-10SS	N/A	Jan. 09, 2016	One Year
Band Reject Filter	Wainwright Instruments	WRCG2400/2 485-2375/2510 -60/11SS	N/A	Jan. 09, 2016	One Year

## 4. POWER LINE CONDUCTED MEASUREMENT

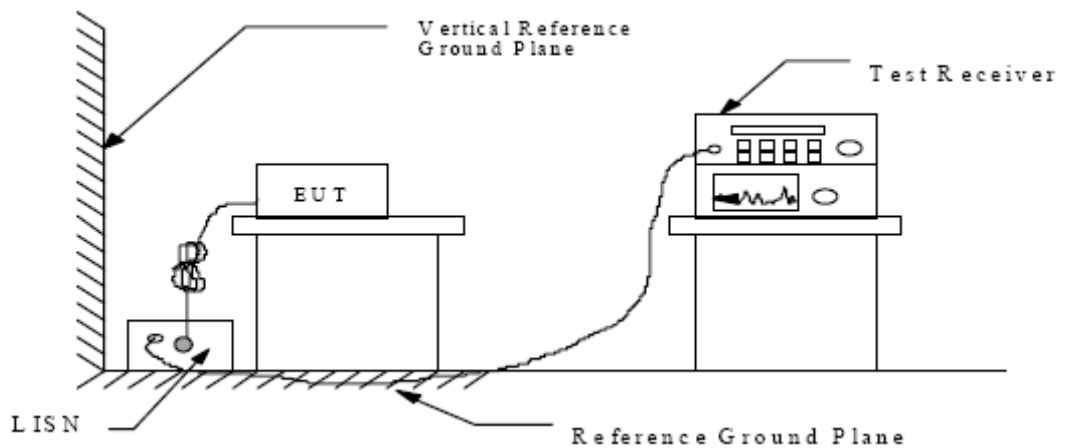
### 4.1. Block Diagram of Test Setup

#### 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: TRC-013 NAV

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(120V/60Hz)								
<b>MEASUREMENT RESULT: "TPAC004_fin"</b>								
8/26/2016 9:17AM								
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE	
0.160000	35.60	10.5	66	29.9	QP	L1	GND	
0.420000	34.20	10.7	57	23.2	QP	L1	GND	
0.505000	38.70	10.7	56	17.3	QP	L1	GND	
1.000000	30.50	10.8	56	25.5	QP	L1	GND	
1.465000	28.00	10.9	56	28.0	QP	L1	GND	
18.325000	24.80	11.4	60	35.2	QP	L1	GND	
<b>MEASUREMENT RESULT: "TPAC004_fin2"</b>								
8/26/2016 9:17AM								
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE	
0.160000	18.40	10.5	56	37.1	AV	L1	GND	
0.420000	27.70	10.7	47	19.7	AV	L1	GND	
0.505000	32.50	10.7	46	13.5	AV	L1	GND	
0.970000	19.70	10.8	46	26.3	AV	L1	GND	
1.470000	21.00	10.9	46	25.0	AV	L1	GND	
17.890000	16.90	11.4	50	33.1	AV	L1	GND	
<b>MEASUREMENT RESULT: "TPAC003_fin"</b>								
8/26/2016 9:13AM								
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE	
0.155000	31.10	10.5	66	34.6	QP	N	GND	
0.290000	35.40	10.6	61	25.1	QP	N	GND	
0.510000	34.10	10.7	56	21.9	QP	N	GND	
0.930000	32.70	10.8	56	23.3	QP	N	GND	
6.040000	25.70	11.2	60	34.3	QP	N	GND	
19.585000	27.60	11.4	60	32.4	QP	N	GND	
<b>MEASUREMENT RESULT: "TPAC003_fin2"</b>								
8/26/2016 9:13AM								
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE	
0.155000	15.40	10.5	56	40.3	AV	N	GND	
0.290000	18.50	10.6	51	32.0	AV	N	GND	
0.550000	21.60	10.7	46	24.4	AV	N	GND	
1.185000	21.50	10.9	46	24.5	AV	N	GND	
5.550000	17.00	11.2	50	33.0	AV	N	GND	
19.585000	17.10	11.4	50	32.9	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.

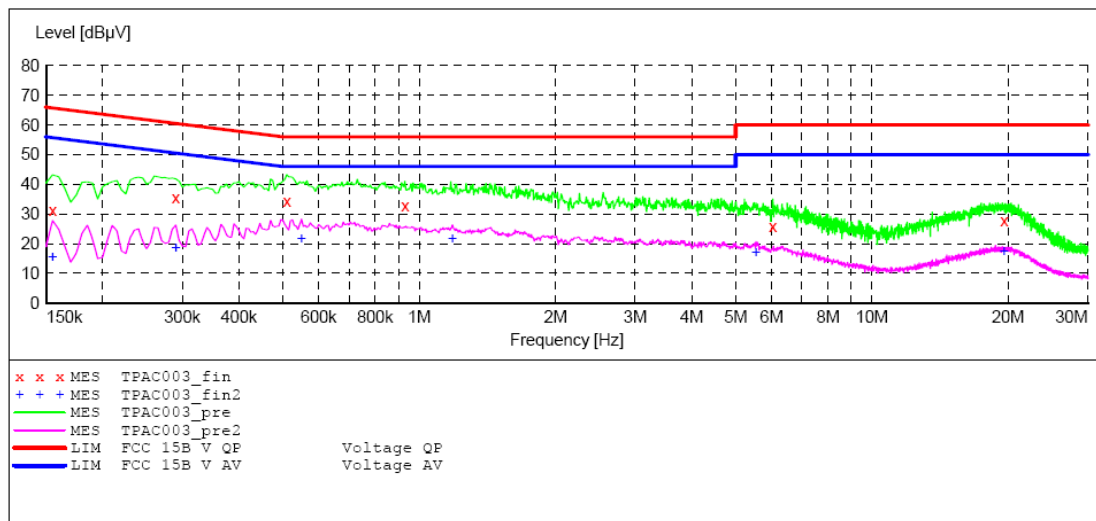
**ACCURATE TECHNOLOGY CO., LTD**

**CONDUCTED EMISSION STANDARD FCC PART 15B**

EUT: Wireless remote control vibrator M/N:TRC-013 NAV  
 Manufacturer: TOPARC  
 Operating Condition: Charging  
 Test Site: 1#Shielding Room  
 Operator: Star  
 Test Specification: N 120V/60Hz  
 Comment: Report No.:ATE20161912  
 Start of Test: 8/26/2016 / 9:12:14AM

**SCAN TABLE: "V 9K-30MHz fin"**

Short Description:		_SUB_STD_VTERM2 1.70				
Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	NSLK8126 2008
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	NSLK8126 2008
			Average			



**MEASUREMENT RESULT: "TPAC003\_fin"**

8/26/2016 9:13AM

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.155000	31.10	10.5	66	34.6	QP	N	GND
0.290000	35.40	10.6	61	25.1	QP	N	GND
0.510000	34.10	10.7	56	21.9	QP	N	GND
0.930000	32.70	10.8	56	23.3	QP	N	GND
6.040000	25.70	11.2	60	34.3	QP	N	GND
19.585000	27.60	11.4	60	32.4	QP	N	GND

**MEASUREMENT RESULT: "TPAC003\_fin2"**

8/26/2016 9:13AM

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.155000	15.40	10.5	56	40.3	AV	N	GND
0.290000	18.50	10.6	51	32.0	AV	N	GND
0.550000	21.60	10.7	46	24.4	AV	N	GND
1.185000	21.50	10.9	46	24.5	AV	N	GND
5.550000	17.00	11.2	50	33.0	AV	N	GND
19.585000	17.10	11.4	50	32.9	AV	N	GND

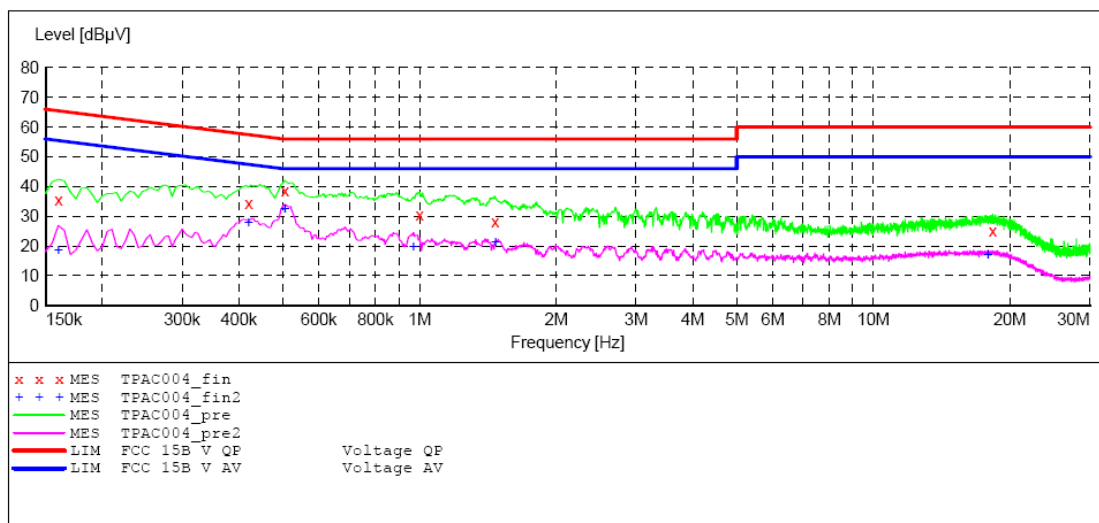
**ACCURATE TECHNOLOGY CO., LTD**

**CONDUCTED EMISSION STANDARD FCC PART 15B**

EUT: Wireless remote control vibrator M/N:TRC-013 NAV  
 Manufacturer: TOPARC  
 Operating Condition: Chargi  
 Test Site: 1#Shie Room  
 Operator: Star  
 Test Specification: L 120V/60Hz  
 Comment: Report No.:ATE20161912  
 Start of Test: 8/26/2016 / 9:14:06AM

**SCAN TABLE: "V 9K-30MHz fin"**

Short Description:		_SUB_STD_VTERM2 1.70					
Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer	
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	NSLK8126 2008	
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	NSLK8126 2008	
			Average				



**MEASUREMENT RESULT: "TPAC004\_fin"**

8/26/2016 9:17AM

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.160000	35.60	10.5	66	29.9	QP	L1	GND
0.420000	34.20	10.7	57	23.2	QP	L1	GND
0.505000	38.70	10.7	56	17.3	QP	L1	GND
1.000000	30.50	10.8	56	25.5	QP	L1	GND
1.465000	28.00	10.9	56	28.0	QP	L1	GND
18.325000	24.80	11.4	60	35.2	QP	L1	GND

**MEASUREMENT RESULT: "TPAC004\_fin2"**

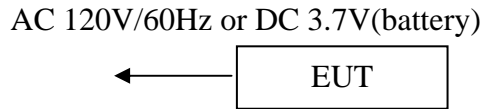
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Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.160000	18.40	10.5	56	37.1	AV	L1	GND
0.420000	27.70	10.7	47	19.7	AV	L1	GND
0.505000	32.50	10.7	46	13.5	AV	L1	GND
0.970000	19.70	10.8	46	26.3	AV	L1	GND
1.470000	21.00	10.9	46	25.0	AV	L1	GND
17.890000	16.90	11.4	50	33.1	AV	L1	GND

## 5. RADIATED EMISSION MEASUREMENT

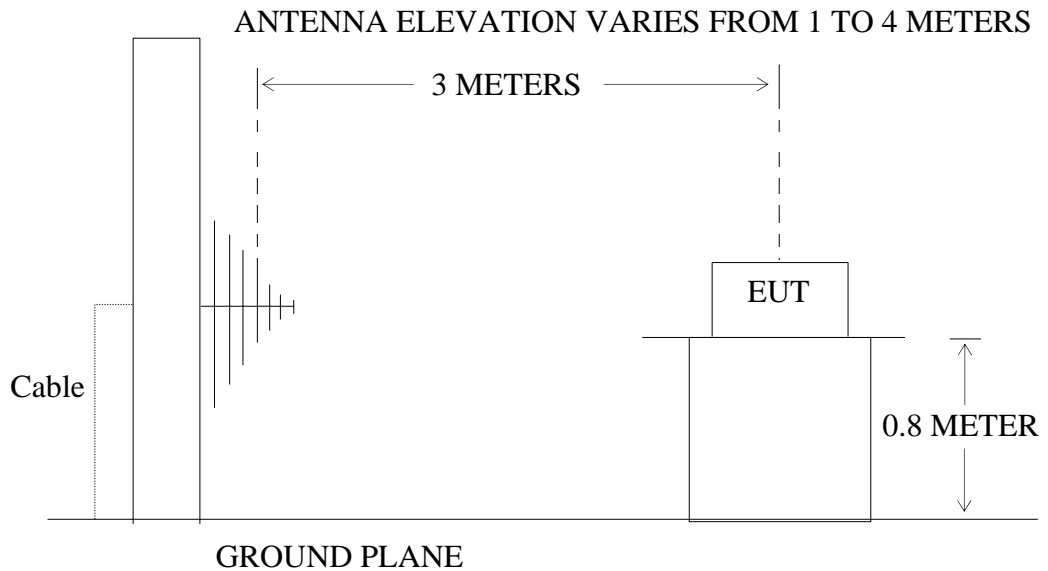
### 5.1. Block Diagram of Test Setup

#### 5.1.1. Block diagram of connection between the EUT and simulators



(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: TRC-013 NAV

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 5.1.

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: TRC-013 NAV								
Test mode: Charging(120V/60Hz)								
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	39.3203	31.29	-18.88	12.41	40.00	-27.59	QP
	2	70.2095	34.44	-22.86	11.58	40.00	-28.42	QP
	3	81.0885	33.67	-22.78	10.89	40.00	-29.11	QP
	4	145.2994	35.24	-22.25	12.99	43.50	-30.51	QP
	5	155.8771	36.78	-21.79	14.99	43.50	-28.51	QP
	6	243.5431	36.11	-18.22	17.89	46.00	-28.11	QP
Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	33.8067	33.46	-17.34	16.12	40.00	-23.88	QP
	2	46.2180	34.02	-19.70	14.32	40.00	-25.68	QP
	3	70.7047	43.55	-22.89	20.66	40.00	-19.34	QP
	4	137.3565	46.87	-22.00	24.87	43.50	-18.63	QP
	5	144.2820	45.90	-22.22	23.68	43.50	-19.82	QP
	6	159.1983	46.74	-21.42	25.32	43.50	-18.18	QP
Above 1G								
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	2832.374	43.72	-4.23	39.49	74.00	-34.51	peak
	2	2832.374	35.06	-4.23	30.83	54.00	-23.17	AVG
Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
	1	4648.646	42.24	-0.04	42.20	74.00	-31.80	peak
	2	4648.646	34.67	-0.04	34.63	54.00	-19.37	AVG

Model Number: TRC-013 NAV									
Test mode: 433.92MHz RX(DC 3.7V)									
Horizontal	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	
	1	355.4273	35.26	-8.70	26.56	46.00	-19.44	QP	
	2	397.6334	37.44	-7.92	29.52	46.00	-16.48	QP	
	3	414.7223	38.46	-7.41	31.05	46.00	-14.95	QP	
	4	440.1963	33.67	-6.90	26.77	46.00	-19.23	QP	
	5	848.0563	30.10	-0.30	29.80	46.00	-16.20	QP	
	6	875.2470	29.46	0.11	29.57	46.00	-16.43	QP	
Vertical	No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	
	1	400.4319	34.36	-7.80	26.56	46.00	-19.44	QP	
	2	437.1199	28.00	-6.91	21.09	46.00	-24.91	QP	
	3	457.5073	26.40	-6.66	19.74	46.00	-26.26	QP	
	4	550.9480	30.03	-4.59	25.44	46.00	-20.56	QP	
	5	875.2470	25.71	0.11	25.82	46.00	-20.18	QP	
	6	912.8620	26.44	0.40	26.84	46.00	-19.16	QP	
Above 1G									
Horizontal	No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	
	1	2316.660	59.15	-7.82	51.33	74.00	-22.67	peak	
	2	2316.660	45.10	-7.82	37.28	54.00	-16.72	AVG	
Vertical	No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	
	1	2179.222	60.63	-8.31	52.32	74.00	-21.68	peak	
	2	2179.222	47.00	-8.31	38.69	54.00	-15.31	AVG	



## Below 1GHz



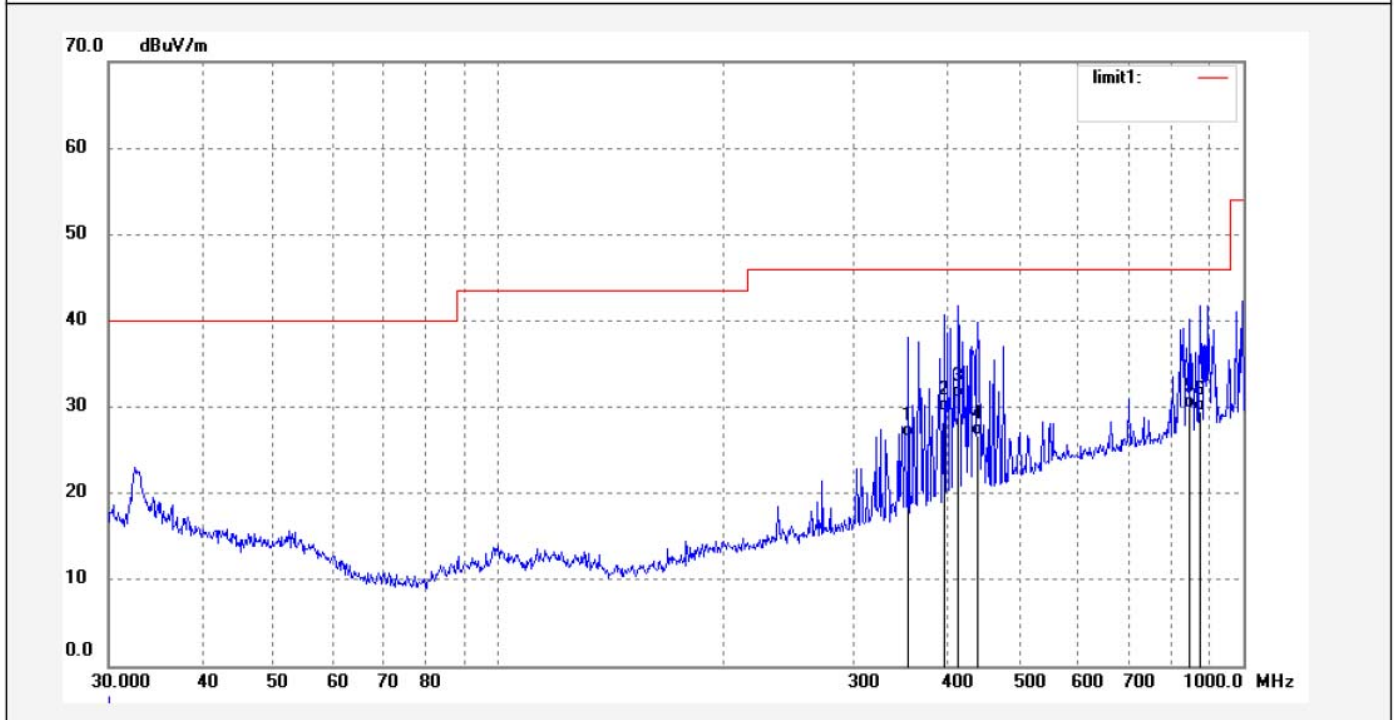
### ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: STAR2015 #1739	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 16/08/27/
Temp.( C)/Hum.(%) 23 C / 48 %	Time: 9/58/49
EUT: Wireless remote control vibrator	Engineer Signature:
Mode: RX(433.92MHz)	Distance: 3m
Model: TRC-013 NAV	
Manufacturer: TOPARC	

Note: Report NO.:ATE20161912

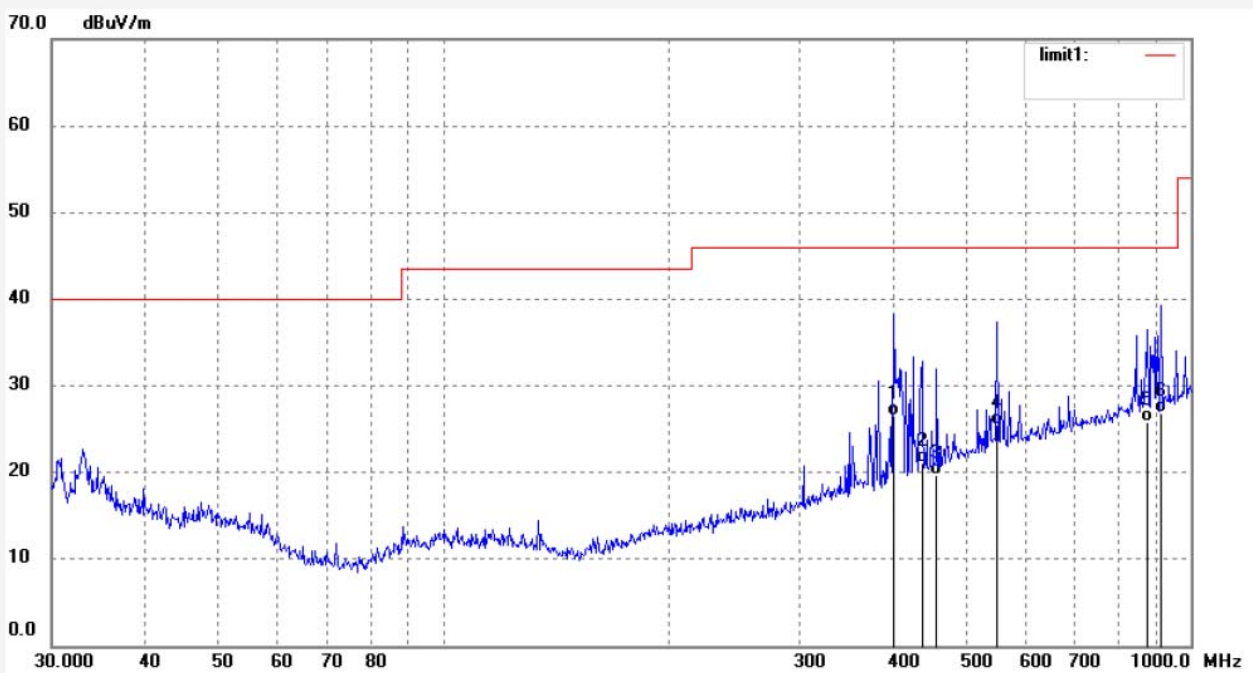


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	355.4273	35.26	-8.70	26.56	46.00	-19.44	QP			
2	397.6334	37.44	-7.92	29.52	46.00	-16.48	QP			
3	414.7223	38.46	-7.41	31.05	46.00	-14.95	QP			
4	440.1963	33.67	-6.90	26.77	46.00	-19.23	QP			
5	848.0563	30.10	-0.30	29.80	46.00	-16.20	QP			
6	875.2470	29.46	0.11	29.57	46.00	-16.43	QP			

Job No.: STAR2015 #1740  
 Standard: FCC Class B 3M Radiated  
 Test item: Radiation Test  
 Temp.( C)/Hum.(%) 23 C / 48 %  
 EUT: Wireless remote control vibrator  
 Mode: RX(433.92MHz)  
 Model: TRC-013 NAV  
 Manufacturer: TOPARC

Polarization: Vertical  
 Power Source: DC 3.7V  
 Date: 16/08/27/  
 Time: 10/00/29  
 Engineer Signature:  
 Distance: 3m

Note: Report NO.:ATE20161912



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	400.4319	34.36	-7.80	26.56	46.00	-19.44	QP			
2	437.1199	28.00	-6.91	21.09	46.00	-24.91	QP			
3	457.5073	26.40	-6.66	19.74	46.00	-26.26	QP			
4	550.9480	30.03	-4.59	25.44	46.00	-20.56	QP			
5	875.2470	25.71	0.11	25.82	46.00	-20.18	QP			
6	912.8620	26.44	0.40	26.84	46.00	-19.16	QP			



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Job No.: STAR2016 #1863

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Wireless remote control vibrator

Mode: Charging

Model: TRC-013 NAV

Manufacturer: TOPARC

Polarization: Horizontal

Power Source: AC 120V/60Hz

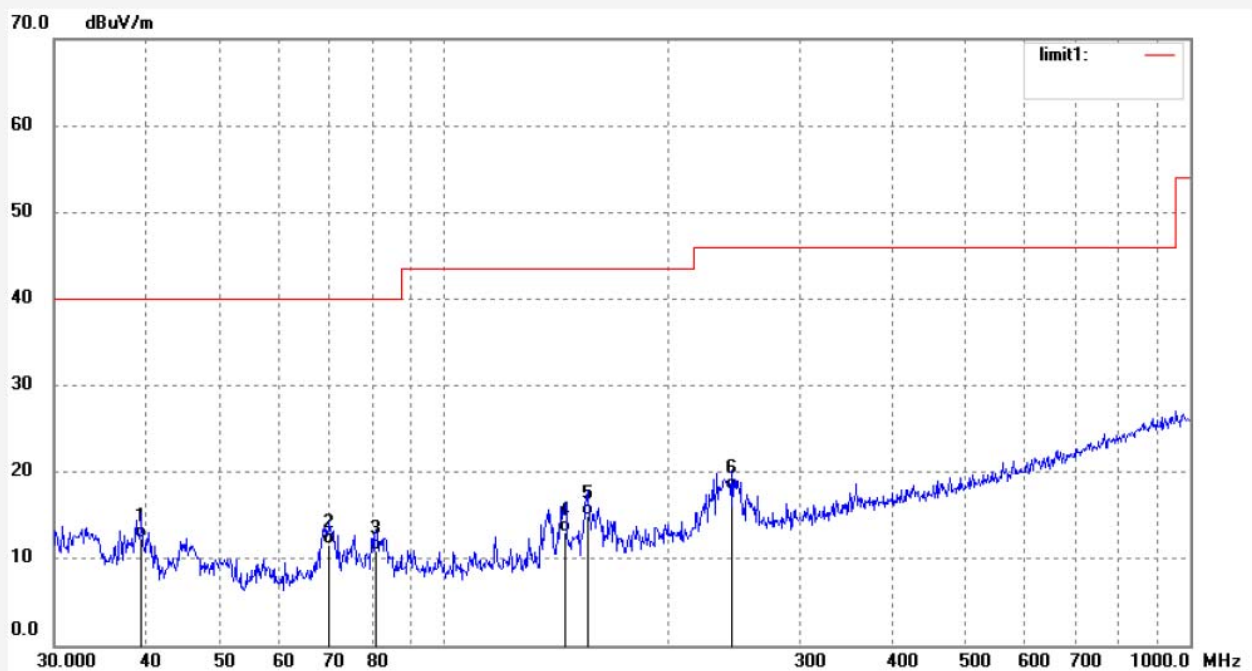
Date: 2016/08/26

Time: 10:43:39

Engineer Signature: star

Distance: 3m

Note: Report No.:ATE20161912



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	39.3203	31.29	-18.88	12.41	40.00	-27.59	QP			
2	70.2095	34.44	-22.86	11.58	40.00	-28.42	QP			
3	81.0885	33.67	-22.78	10.89	40.00	-29.11	QP			
4	145.2994	35.24	-22.25	12.99	43.50	-30.51	QP			
5	155.8771	36.78	-21.79	14.99	43.50	-28.51	QP			
6	243.5431	36.11	-18.22	17.89	46.00	-28.11	QP			

Job No.: STAR2016 #1862

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Wireless remote control vibrator

Mode: Charging

Model: TRC-013 NAV

Manufacturer: TOPARC

Polarization: Vertical

Power Source: AC 120V/60Hz

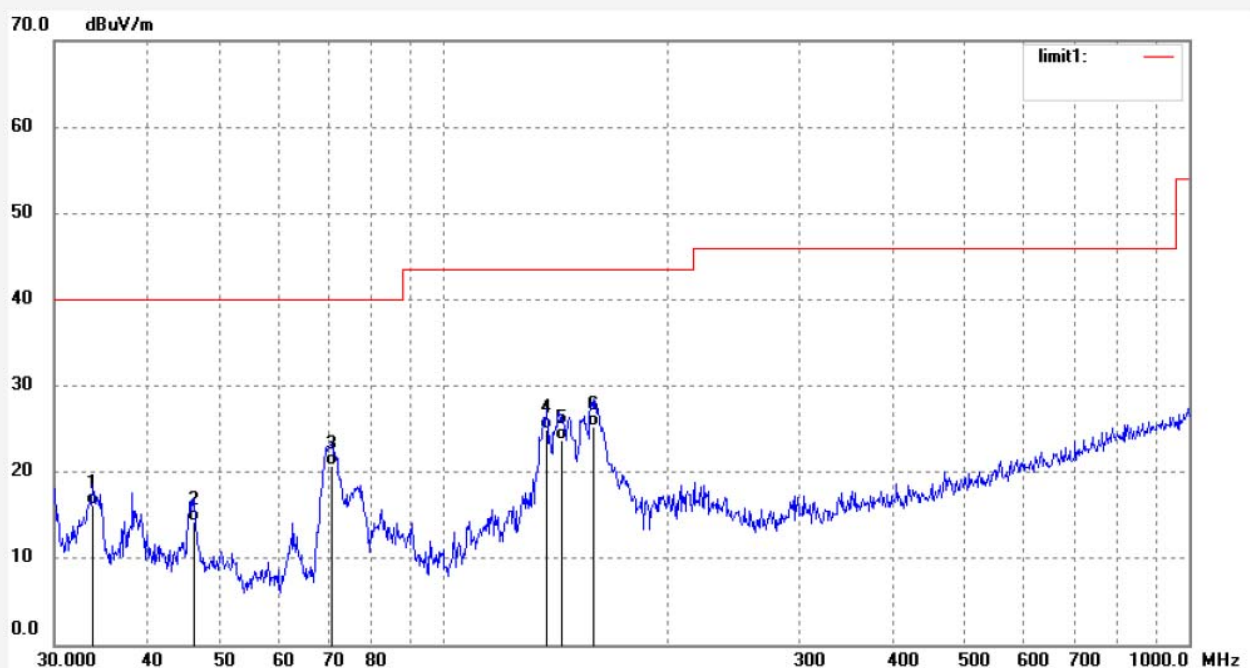
Date: 2016/08/26

Time: 10:41:51

Engineer Signature: star

Distance: 3m

Note: Report No.:ATE20161912



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	33.8067	33.46	-17.34	16.12	40.00	-23.88	QP			
2	46.2180	34.02	-19.70	14.32	40.00	-25.68	QP			
3	70.7047	43.55	-22.89	20.66	40.00	-19.34	QP			
4	137.3565	46.87	-22.00	24.87	43.50	-18.63	QP			
5	144.2820	45.90	-22.22	23.68	43.50	-19.82	QP			
6	159.1983	46.74	-21.42	25.32	43.50	-18.18	QP			

Above 1GHz


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Job No.: STAR2016 #1860

Standard: FCC PK

Test item: Radiation Test

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

EUT: Wireless remote control vibrator

Mode: Charging

Model: TRC-013 NAV

Manufacturer: TOPARC

Polarization: Horizontal

Power Source: AC 120V/60Hz

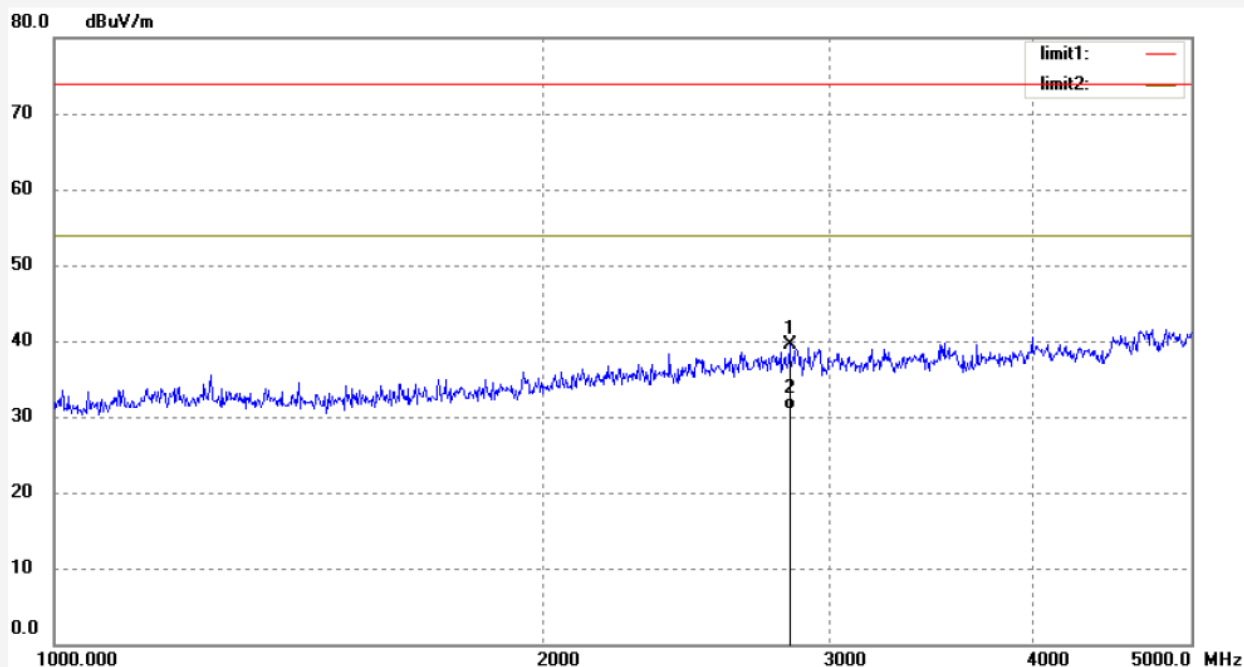
Date: 2016/08/26

Time: 10:38:37

Engineer Signature: star

Distance: 3m

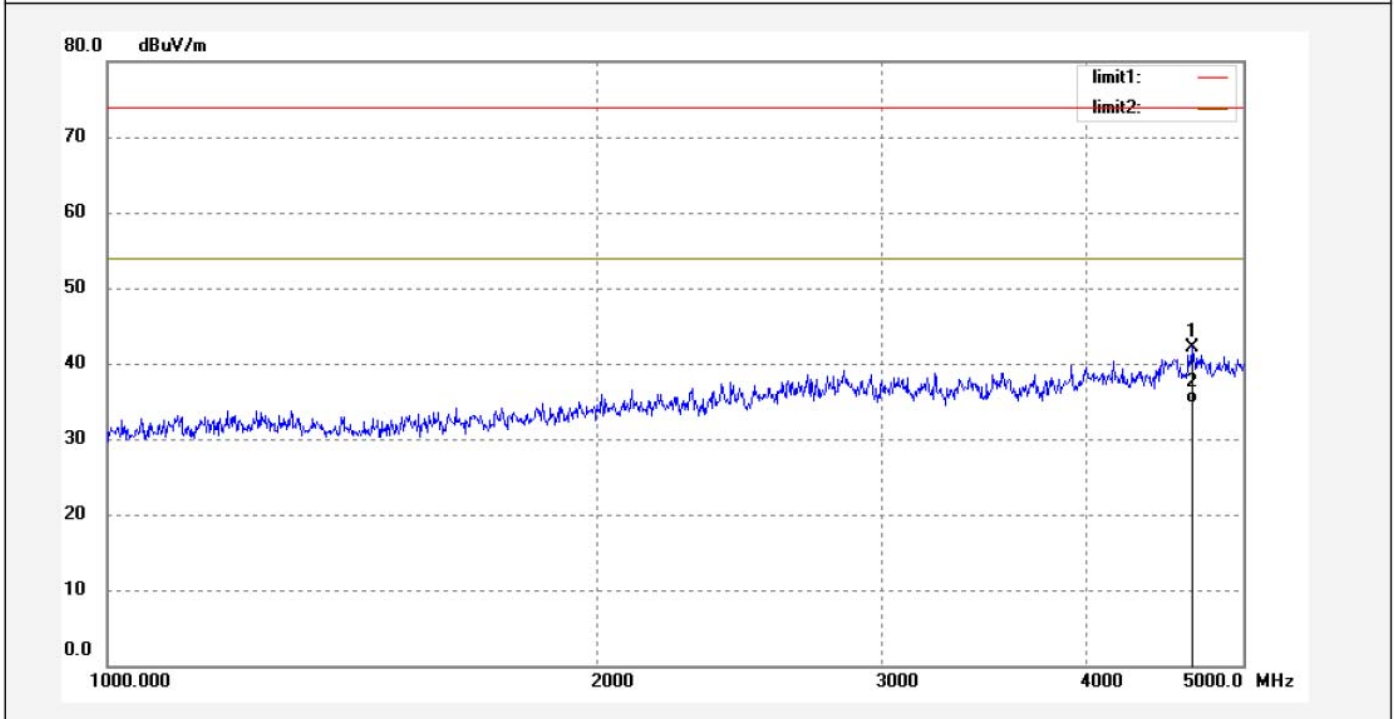
Note: Report No.:ATE20161912



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2832.374	43.72	-4.23	39.49	74.00	-34.51	peak			
2	2832.374	35.06	-4.23	30.83	54.00	-23.17	AVG			

Job No.: STAR2016 #1861	Polarization: Vertical
Standard: FCC PK	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2016/08/26
Temp.( C)/Hum.(%) 25 C / 55 %	Time: 10:39:25
EUT: Wireless remote control vibrator	Engineer Signature: star
Mode: Charging	Distance: 3m
Model: TRC-013 NAV	
Manufacturer: TOPARC	

Note: Report No.:ATE20161912



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	4648.646	42.24	-0.04	42.20	74.00	-31.80	peak			
2	4648.646	34.67	-0.04	34.63	54.00	-19.37	AVG			



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Job No.: STAR2015 #1738

Standard: FCC PK

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Wireless remote control vibrator

Mode: RX(433.92MHz)

Model: TRC-013 NAV

Manufacturer: TOPARC

Polarization: Horizontal

Power Source: DC 3.7V

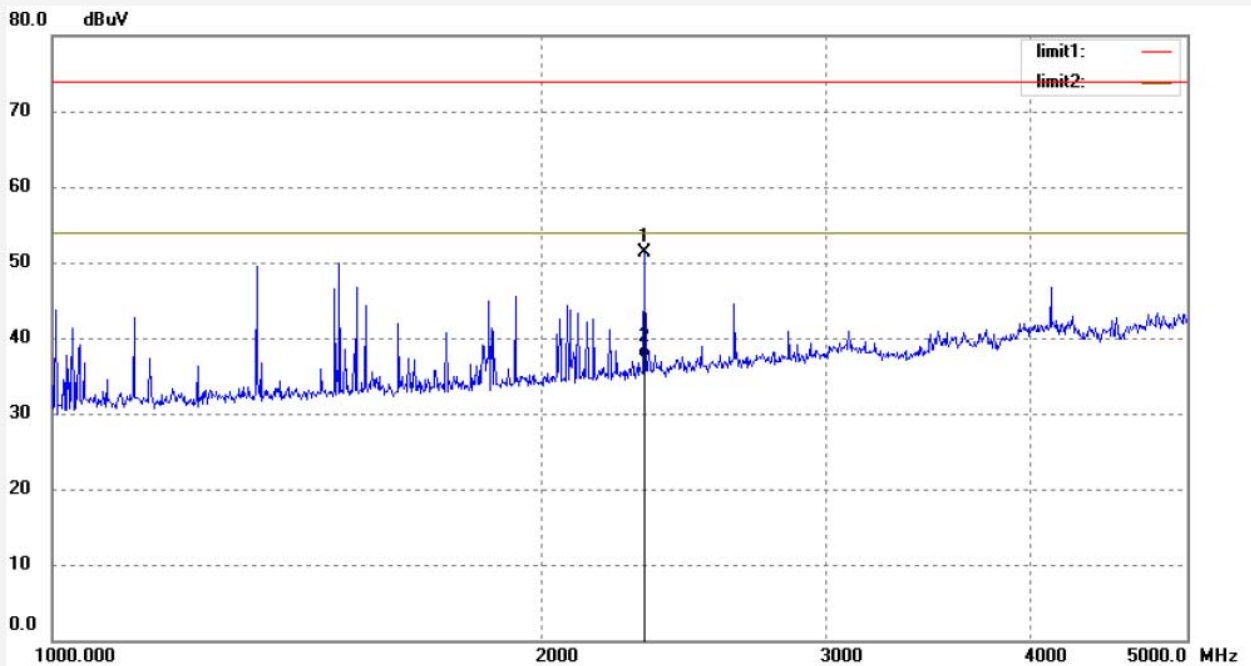
Date: 16/08/27/

Time: 9/55/36

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20161912



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2316.660	59.15	-7.82	51.33	74.00	-22.67	peak			
2	2316.660	45.10	-7.82	37.28	54.00	-16.72	AVG			



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Job No.: STAR2015 #1737

Standard: FCC PK

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Wireless remote control vibrator

Mode: RX(433.92MHz)

Model: TRC-013 NAV

Manufacturer: TOPARC

Polarization: Vertical

Power Source: DC 3.7V

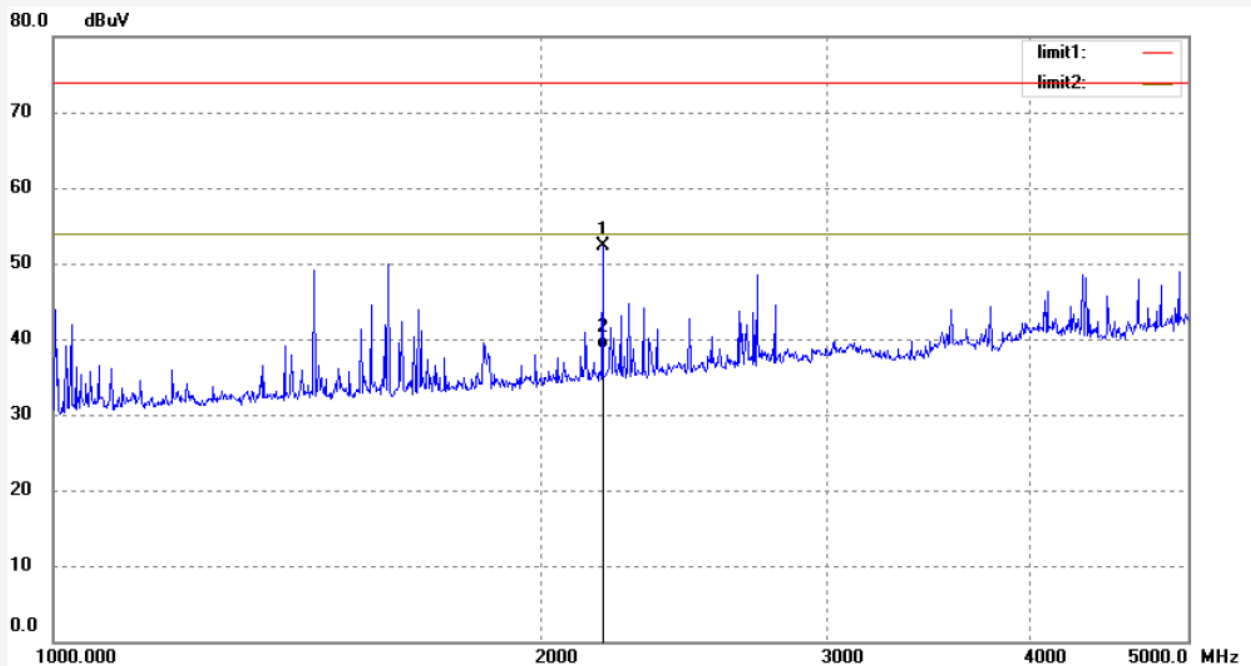
Date: 16/08/27/

Time: 9/54/56

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20161912



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2179.222	60.63	-8.31	52.32	74.00	-21.68	peak			
2	2179.222	47.00	-8.31	38.69	54.00	-15.31	AVG			