

Page 1 of 28

## APPLICATION CERTIFICATION

On Behalf of

Carewell Electric Technology (Zhongshan) Co., Ltd.

REMOTE CONTROL Model No.: DC5

FCC ID: 2AAZPDC5

Prepared for : Carewell Electric Technology (Zhongshan) Co., Ltd.

Address : Torch Development Zone, No.2, Ouya Road, Zhongshan,

Guangdong, China

Prepared by : Shenzhen Accurate Technology Co., Ltd.

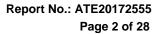
Address : F1, Bldg. A, Changyuan New Material Port, Keyuan Rd.

Science & Industry Park, Nanshan, Shenzhen, Guangdong

P.R. China

Tel: (0755) 26503290 Fax: (0755) 26503396

Report Number : ATE20172555
Date of Test : December 21, 2017
Date of Report : December 26, 2017





# TABLE OF CONTENTS

D	escrip	ption	Page
Т	est Re	eport Certification	
		ENERAL INFORMATION	4
1.			
	1.1. 1.2.	Description of Device (EUT)	
	1.2.	Description of Test Facility	
2.		EASURING DEVICE AND TEST EQUIPMENT	
3.	SU	MMARY OF TEST RESULTS	7
4.	TH	IE FIELD STRENGTH OF RADIATION EMISSION	8
	4.1.	Block Diagram of Test Setup	8
	4.2.	The Field Strength of Radiation Emission Measurement Limits	9
	4.3.	Configuration of EUT on Measurement	
	4.4.	Operating Condition of EUT	
	4.5.	Test Procedure	
_	4.6.	The Field Strength of Radiation Emission Measurement Results	
5.		DB OCCUPIED BANDWIDTH	
	5.1.	Block Diagram of Test Setup	
	5.2.	The Bandwidth of Emission Limit According To FCC Part 15 Section 15.231(c)	
	5.3.	EUT Configuration on Measurement	
	5.4.	Operating Condition of EUT	
	5.5.	Test Procedure	
_	5.6.		
6.		LEASE TIME MEASUREMENT	
	6.1.	Block Diagram of Test Setup	
	6.2.	Release Time Measurement According To FCC Part 15 Section 15.231(a)	
	6.3.	EUT Configuration on Measurement	
	6.4.	Operating Condition of EUT	
	6.5. 6.6.	Test Procedure	
7			
/.		VERAGE FACTOR MEASUREMENT	
	7.1.	Block Diagram of Test Setup	
	7.2.	Average factor Measurement according to ANSI C63.10-2013	
	7.3. 7.4.	EUT Configuration on Measurement  Operating Condition of EUT	
	7.4. 7.5.	Test Procedure	
	7.5. 7.6.	Measurement Result	
8.		VIENNA REQUIREMENT	
0.	8.1.		
	8.1.	The Requirement Antenna Construction	



Page 3 of 28



**Test Report Certification** 

Applicant : Carewell Electric Technology (Zhongshan) Co., Ltd.

Manufacturer : Carewell Electric Technology (Zhongshan) Co., Ltd.

Product : REMOTE CONTROL

Model No. : DC5
Trade name : N/A

Measurement Procedure Used:

# FCC Rules and Regulations Part 15 Subpart C Section 15.231a ANSI C63.10-2013

The device described above is tested by Shenzhen 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 15.231a. The measurement results are contained in this test report and Shenzhen 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 Shenzhen Accurate Technology Co., Ltd..

Date of Test:	December 21, 2017
Date of Report :	December 26, 2017
Prepared by :	BobWard
Approved & Authorized Signer :	(Bot Ang, Englieer)
	( Sean Liu, Manager)





Page 4 of 28

## 1. GENERAL INFORMATION

1.1.Description of Device (EUT)

**EUT** : REMOTE CONTROL

Model Number : DC5

Power Supply : DC 3V(Powered by battery)

Modulation: : ASK

antenna gain : 0dBi

TX Frequency : 433.92MHz

Type of Antenna : PCB antenna

: Carewell Electric Technology (Zhongshan) Co., Ltd. Applicant Address Torch Development Zone, No.2, Ouya Road, Zhongshan,

Guangdong, China

Manufacturer : Carewell Electric Technology (Zhongshan) Co., Ltd.

Address Torch Development Zone, No.2, Ouya Road, Zhongshan,

Guangdong, China

: December 20, 2017

Date of sample

received

Date of Test : December 21, 2017

: 1702079 Sample No.



Page 5 of 28

## 1.2.Description of Test Facility

EMC Lab : Recognition of accreditation by Federal Communications

Commission (FCC)

The Designation Number is CN1189 The Registration Number is 708358

Listed by Innovation, Science and Economic Development

Canada (ISEDC)

The Registration Number is 5077A-2

Accredited by China National Accreditation Service for

Conformity Assessment (CNAS)

The Registration Number is CNAS L3193

Accredited by American Association for Laboratory

Accreditation (A2LA)

The Certificate Number is 4297.01

Name of Firm : Shenzhen Accurate Technology Co., Ltd.

Site Location : 1/F., Building A, Changyuan New Material Port, Science

& Industry Park, Nanshan District, Shenzhen, Guangdong,

P.R. China

## 1.3. Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

Radiated emission expanded uncertainty = 3.08dB, k=2

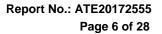
(9kHz-30MHz)

Radiated emission expanded uncertainty = 4.42dB, k=2

(30MHz-1000MHz)

Radiated emission expanded uncertainty = 4.06dB, k=2

(Above 1GHz)





2. 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. 07, 2017	One Year
EMI Test Receiver	EMI Test Receiver Rohde&Schwarz		101526/003	Jan. 07, 2017	One Year
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 07, 2017	One Year
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 07, 2017	One Year
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 13, 2017	One Year
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 13, 2017	One Year
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 13, 2017	One Year
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1067	Jan. 13, 2017	One Year
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 07, 2017	One Year
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 07, 2017	One Year
Highpass Filter	Wainwright Instruments	WHKX3.6/18 G-10SS	N/A	Jan. 07, 2017	One Year
Band Reject Filter	Wainwright Instruments	WRCG2400/2 485-2375/2510 -60/11SS	N/A	Jan. 07, 2017	One Year





Page 7 of 28

# 3. SUMMARY OF TEST RESULTS

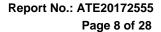
FCC Rules	<b>Description of Test</b>	Result
Section 15.207	Conducted Emission	N/A
Section 15.231(b)	Radiated Emission	Compliant
Section 15.231(c)	20dB Bandwidth	Compliant
Section 15.231(a)(1)	Release Time Measurement	Compliant
Section 15.203	Antenna Requirement	Compliant

The product is a manually operated transmitter.

Section 15.231 (a) (2), (3), (4) and (5) are not applicable.

Note: The power supply mode of the EUT is DC 3V, According to the FCC standard requirements, conducted emission is not applicable

All normal using modes of the normal function were tested but only the worst test data of the worst mode is recorded by this report.





# 4. THE FIELD STRENGTH OF RADIATION EMISSION

# 4.1.Block Diagram of Test Setup

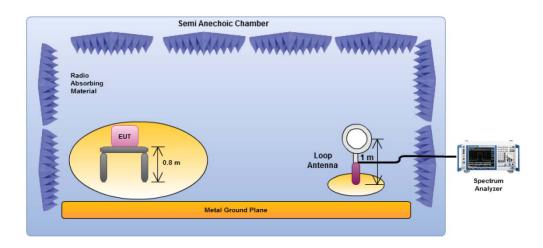
4.1.1.Block diagram of connection between the EUT and simulators



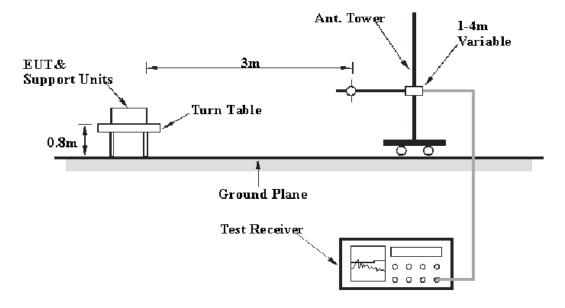
(EUT: REMOTE CONTROL)

4.1.2.Semi-Anechoic Chamber Test Setup Diagram

#### **Below 30MHz**



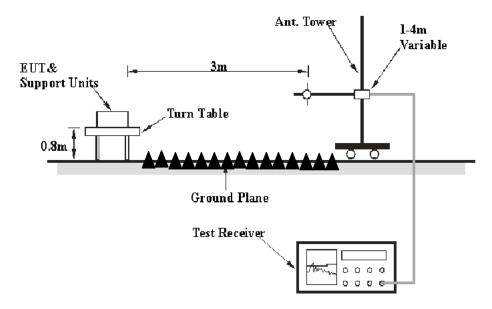
Below 1GHz:





Page 9 of 28

#### Above 1GHz:



(EUT: REMOTE CONTROL)

### 4.2. The Field Strength of Radiation Emission Measurement Limits

# 4.2.1. Radiation Emission Measurement Limits According to FCC Part 15 Section 15.231(b)

Frequency Range of Fundamental	Field Strength of Fundamental Emission [Average] [µV/m]	Field Strength of Spurious Emission [Average] [µV/m]		
[MHz] 40.66-40.70	2250	225		
70-130	1250	125		
130-174	1250-3750	125-375		
174-260	3750	375		
260-470	3750-12500	375-1250		
Above 470	12500	1250		

Where F is the frequency in MHz, the formulas for calculating the maximum permitted fundamental field strengths are as follows: for the band 130-174 MHz, uV/m at 3 meters = 56.81818(F) - 6136.3636; for the band 260-470 MHz, uV/m at 3 meters = 41.6667(F) - 7083.3333. The maximum permitted unwanted emission level is 20 dB below the maximum permitted fundamental level.

4.2.2. Restricted Band Radiation Emission Measurement Limits According to FCC part 15 Section 15.205 and Section15.209.

### 4.3. Configuration of EUT 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.



Page 10 of 28

#### 4.3.1. REMOTE CONTROL (EUT)

Model Number : DC5 Serial Number : N/A

Manufacturer : Carewell Electric Technology (Zhongshan) 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 mode measure it.

#### 4.5. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground(Below 1GHz). The EUT and its simulators are placed on a turntable, which is 1.5 meter high above ground(Above 1GHz). 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 EUT location must be manipulated according to ANSI C63.10:2013 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

The bandwidth of test receiver is set at 120 kHz in 30-1000 MHz, and 1 MHz in 1000-5000 MHz.

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



Report No.: ATE20172555 Page 11 of 28

# 4.6. The Field Strength of Radiation Emission Measurement Results

## PASS.

The frequency range 30MHz to 5000MHz is investigated.

EUT: REMOTE CONTROL

Model No.:	DC5	Power Supply:	DC 3V
Test Mode:	TX	Test Engineer:	Frank

Frequency (MHz)	Reading (dBµV/m)	Factor Corr.	Average Factor	Result(	dBμV/m)	Limit(c	dBμV/m)	Margi	n(dB)	Polarization
	PEAK	(dB)	(dB)	AV	PEAK	AV	PEAK	AV	PEAK	
30.6388	45.04	-20.36	-	-	24.68	-	40.00	-	-15.32 (QP)	
58.0758	49.90	-27.13	-	-	22.77	-	40.00	-	-17.23 (QP)	
433.92	91.49	-17.78	-6.73	66.98	73.71	80.82	100.82	-13.84	-27.11	
617.9415	45.15	-13.30	-	-	31.85	-	46.00	-	-14.15 (QP)	
867.84	51.29	-7.98	-6.73	36.58	43.31	60.82	80.82	-24.24	-37.51	Vertical
986.0439	37.82	-5.36	-	-	32.46	-	54.00	-	-21.54 (QP)	
1301.760	58.50	-10.43	-6.73	41.34	48.07	60.82	80.82	-19.48	-32.75	
1735.680	56.24	-9.28	-6.73	40.23	46.96	60.82	80.82	-20.59	-33.86	
2169.600	54.97	-7.43	-6.73	40.81	47.54	60.82	80.82	-20.01	-33.28	
2567.023	53.24	-5.46	-6.73	40.05	47.78	54.00	74.00	-12.95	-26.22	
34.0449	46.43	-21.22	-	-	25.21	-	40.00	-	-14.79 (QP)	Horizontal
47.5354	48.59	-25.31	-	-	23.28	-	40.00	-	-16.72 (QP)	
433.92	90.59	-17.78	-6.73	66.08	72.81	80.82	100.82	-14.74	-28.01	
640	40.54	-12.85	-	-	27.69	-	46.00	-	-18.31 (QP)	
867.84	52.48	-7.98	-6.73	37.77	44.50	60.82	80.82	-23.05	-36.32	
992.9972	37.36	-5.19	-	-	32.17	-	54.00	-	-21.83 (QP)	
1065.123	58.96	-10.77	-6.73	41.46	48.19	54.00	74.00	-12.54	-25.81	
1301.760	60.46	-10.43	-6.73	43.30	50.03	60.82	80.82	-17.52	-30.79	
1735.680	58.26	-9.28	-6.73	42.25	48.98	60.82	80.82	-18.57	-31.84	
2169.600	55.92	-7.43	-6.73	41.76	48.49	60.82	80.82	-19.06	-32.33	
2567.023	52.66	-5.46	-6.73	40.47	47.20	54.00	74.00	-13.53	-26.80	



Page 12 of 28

2027 440	10.20	2.12	6.72	29.42	15 15	60.92	90.92	22.40	25 67	
3037.440	48.28	-3.13	-0./3	38.42	45.15	60.82	80.82	-22.40	-35.67	1

#### 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:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss - Amplifier Gain

- 3. FCC Limit for Average Measurement =  $41.6667(433.92)-7083.3333 = 10996.6812 \,\mu\text{V/m} = 80.82 \,\mu\text{V/m}$
- 4. The spectral diagrams in appendix I display the measurement of peak values.
- 5. Average value= PK value + Average Factor (duty factor)
- 6. If the peak-detected amplitude can be shown to comply with the average limit, then it is not necessary to perform a separate average measurement.
- 7. The EUT is tested radiation emission in three axes(X,Y,Z). The worst emissions are reported in three axes.
- 8. Pulse Desensitization Correction Factor

Pulse Width (PW) = 1.5ms

2/PW = 2/1.5ms = 1.33kHz

RBW (100 kHz) > 2/PW (1.33 kHz)

Therefore PDCF is not needed



Page 13 of 28

## 5. 20DB OCCUPIED BANDWIDTH

# 5.1.Block Diagram of Test Setup

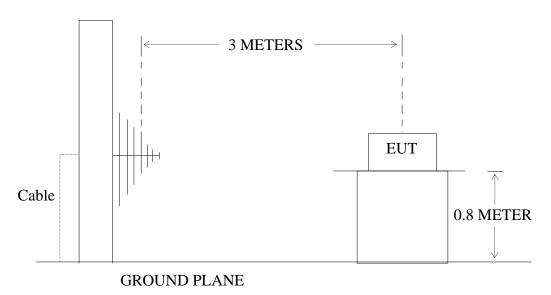
5.1.1.Block diagram of connection between the EUT and simulators



(EUT: REMOTE CONTROL)

5.1.2.Semi-Anechoic Chamber Test Setup Diagram

#### ANTENNA ELEVATION VARIES FROM 1 TO 4 METERS



(EUT: REMOTE CONTROL)

## 5.2. The Bandwidth of Emission Limit According To FCC Part 15 Section

# 15.231(c)

The bandwidth of emission shall be no wider than 0.25% of the center frequency. Therefore, the bandwidth of the emission limit is  $433.92 \text{ MHz} \times 0.25\% = 1084.8 \text{ kHz}$ . Bandwidth is determined at the two points 20 dB down from the top of modulated carrier.



Page 14 of 28

## 5.3.EUT Configuration on Measurement

The following equipment are installed on the bandwidth of 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.REMOTE CONTROL (EUT)

Model Number : DC5 Serial Number : N/A

Manufacturer : Carewell Electric Technology (Zhongshan) 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 mode measure it.

#### 5.5.Test Procedure

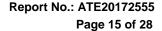
- 5.5.1.Set SPA Center Frequency = Fundamental frequency, RBW = 10 kHz, VBW = 30 kHz, Span = 0.5MHz.
- 5.5.2.Set SPA Max hold, Mark peak, -20 dB.

#### 5.6.Measurement Result

#### The EUT does meet the FCC requirement.

-20 dB bandwidth = 54 kHz < 1084.8 kHz.

The spectral diagrams in appendix I.





## 6. RELEASE TIME MEASUREMENT

# 6.1.Block Diagram of Test Setup

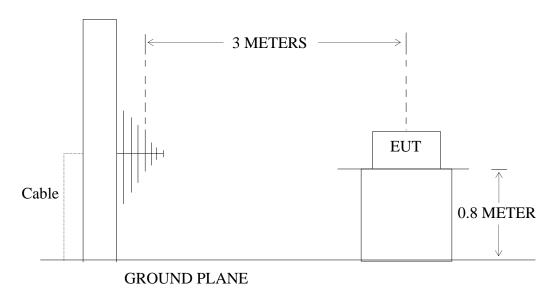
6.1.1.Block diagram of connection between the EUT and simulators



(EUT: REMOTE CONTROL)

6.1.2.Semi-Anechoic Chamber Test Setup Diagram

#### ANTENNA ELEVATION VARIES FROM 1 TO 4 METERS



(EUT: REMOTE CONTROL)

# 6.2. Release Time Measurement According To FCC Part 15 Section 15.231(a)

Section 15.231(a) (1) A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.



Page 16 of 28

## 6.3.EUT Configuration on Measurement

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

#### 6.3.1. REMOTE CONTROL (EUT)

Model Number : DC5 Serial Number : N/A

Manufacturer : Carewell Electric Technology (Zhongshan) Co., Ltd.

## 6.4. Operating Condition of EUT

- 6.4.1. Setup the EUT and simulator as shown as Section 6.1.
- 6.4.2. Turn on the power of all equipment.
- 6.4.3.Let the EUT work in TX mode measure it.

#### 6.5. Test Procedure

- 6.5.1.Set SPA Center Frequency = Fundamental frequency, RBW = 100 kHz, VBW = 300 kHz, Span = 0 Hz. Sweep time = 10 s.
- 6.5.2.Set EUT as normal operation and press Transmitter button.
- 6.5.3.Set SPA View. Delta Mark time.

#### 6.6. Measurement Result

#### The release time less than 5 seconds.

Release Time = 0.70s

The spectral diagrams in appendix I.

Report No.: ATE20172555 Page 17 of 28



7. AVERAGE FACTOR MEASUREMENT

## 7.1.Block Diagram of Test Setup

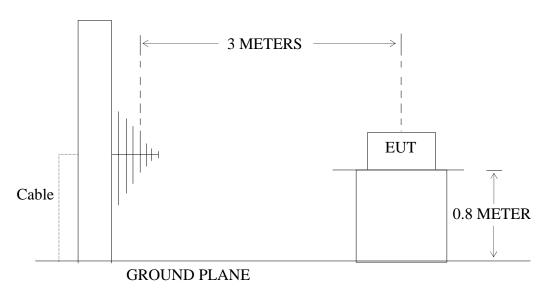
7.1.1.Block diagram of connection between the EUT and simulators



(EUT: REMOTE CONTROL)

7.1.2.Semi-Anechoic Chamber Test Setup Diagram

#### ANTENNA ELEVATION VARIES FROM 1 TO 4 METERS



## 7.2. Average factor Measurement according to ANSI C63.10-2013

ANSI C63.10-2013 Section 7.5 Unless otherwise specified, when the radiated emission limits are expressed in terms of the average value of the emission, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 s (100 ms). In cases where the pulse train exceeds 0.1 s, the measured field strength shall be determined during a 0.1 s interval.64 The following procedure is an example of how the average value may be determined. The average field strength may be found by measuring the peak pulse amplitude (in log equivalent units) and determining the duty cycle correction factor (in dB) associated with the pulse modulation as shown in Equation (10):

Average factor in  $dB = 20 \log (duty \text{ cycle})$ 



Page 18 of 28

## 7.3.EUT Configuration on Measurement

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

#### 7.3.1. REMOTE CONTROL (EUT)

Model Number : DC5 Serial Number : N/A

Manufacturer : Carewell Electric Technology (Zhongshan) Co., Ltd.

## 7.4. Operating Condition of EUT

- 7.4.1. Setup the EUT and simulator as shown as Section 7.1.
- 7.4.2. Turn on the power of all equipment.
- 7.4.3.Let the EUT work in TX mode measure it.

#### 7.5.Test Procedure

- 7.5.1.The time period over which the duty cycle is measured is 100 milliseconds, or the repetition cycle, whichever is a shorter time frame. The worst case (highest percentage on) duty cycle is used for the calculation.
- 7.5.2.Set SPA Center Frequency = Fundamental frequency, RBW = 100 kHz, VBW = 300 kHz, Span = 0 Hz.
- 7.5.3.Set EUT as normal operation.
- 7.5.4.Set SPA View. Delta Mark time.

#### 7.6. Measurement Result

#### The duty cycle is simply the on time divided by the period:

The duration of one cycle = 53.40ms

Effective period of the cycle =  $(5.10\times1) + (1.5\times13)$ ms = 24.60 ms

DC =24.60ms/53.40ms=0.461

#### Therefore, the average factor is found by 20log0.461= -6.73dB

The spectral diagrams in appendix I.

Report No.: ATE20172555 Page 19 of 28



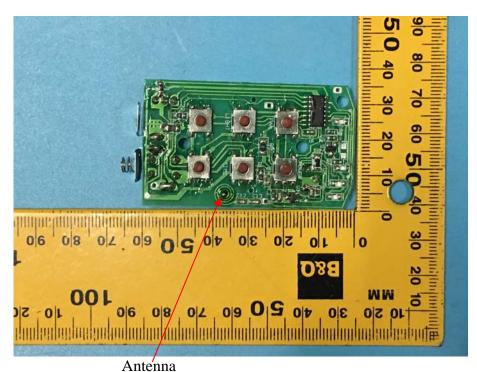
# 8. ANTENNA REQUIREMENT

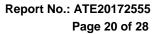
# 8.1. The Requirement

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.

### 8.2. Antenna Construction

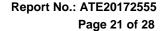
Device is equipped with PCB antenna, which isn't displaced by other antenna. The Antenna gain of EUT is 0dBi. Therefore, the equipment complies with the antenna requirement of Section 15.203.







APPENDIX I (Test Curves)



Site: 1# Chamber





# ACCURATE TECHNOLOGY CO., LTD.

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

an Rd, Tel:+86-0755-26503290 R.China Fax:+86-0755-26503396

Job No.: frank2017 #1863 Polarization: Vertical Standard: FCC Class B 3M Radiated Power Source: DC 3V

Date: 17/12/21/ Time: 9/33/10

Temp.( C)/Hum.(%) 25 C / 55 % Time: 9/33/10

EUT: REMOTE CONTROL Engineer Signature: Frank

Distance: 3m

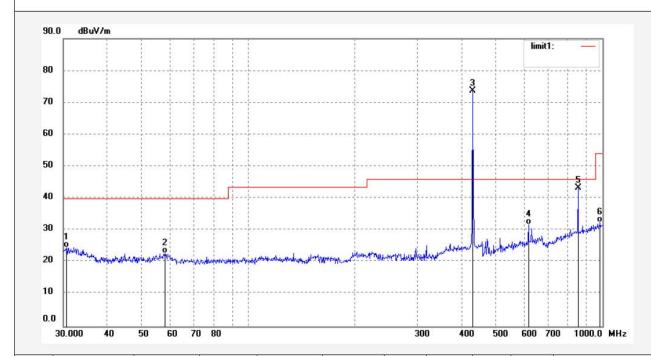
EUT: REMOTE CO Mode: TX433.92MHz

Test item: Radiation Test

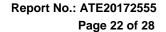
Model: DC5

Manufacturer: Carewell

Note: Report NO.:ATE20172555



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	30.6388	45.04	-20.36	24.68	40.00	-15.32	QP	100	138	
2	58.0758	49.90	-27.13	22.77	40.00	-17.23	QP	100	127	
3	433.9200	91.49	-17.78	73.71	100.82	-27.11	peak	100	142	
4	617.9415	45.15	-13.30	31.85	46.00	-14.15	QP	100	54	
5	867.8400	51.29	-7.98	43.31	80.82	-37.51	peak	100	114	
6	986.0439	37.82	-5.36	32.46	54.00	-21.54	QP	100	215	







## 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.: frank2017 #1864

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 25 C / 55 % EUT: REMOTE CONTROL

Report NO.:ATE20172555

Mode: TX433.92MHz

Model: DC5

20

10

0.0

30.000

40

60

70 80

Manufacturer: Carewell

Polarization: Horizontal Power Source: DC 3V

Date: 17/12/21/ Time: 9/34/46

Engineer Signature: Frank

Distance: 3m

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60	 	<del></del>	! ! !	 		
50	 	<u> </u>	! ! !			
						5

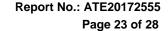
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.0449	46.43	-21.22	25.21	40.00	-14.79	QP	100	304	
2	47.5354	48.59	-25.31	23.28	40.00	-16.72	QP	100	245	
3	433.9200	90.59	-17.78	72.81	100.82	-28.01	peak	100	148	
4	640.0394	40.54	-12.85	27.69	46.00	-18.31	QP	100	120	
5	867.8400	52.48	-7.98	44.50	80.82	-36.32	peak	100	15	
6	992.9972	37.36	<del>-</del> 5.19	32.17	54.00	-21.83	QP	150	123	

300

400

600 700

1000.0 MHz



Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396





## ACCURATE TECHNOLOGY CO., LTD.

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

Polarization: Horizontal Power Source: DC 3V

Date: 17/12/21/ Time: 9/40/48

Engineer Signature: Frank

Distance: 3m

Job No.: frank2017 #1867 Standard: FCC PK Test item: Radiation Test

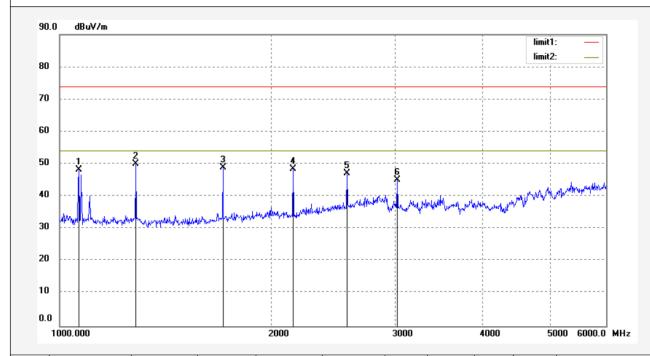
Temp.( C)/Hum.(%) 25 C / 55 % EUT: REMOTE CONTROL

Mode: TX433.92MHz

Model: DC5

Manufacturer: Carewell

Note: Report NO.:ATE20172555



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1065.123	58.96	-10.77	48.19	74.00	-25.81	peak	150	111	
2	1301.760	60.46	-10.43	50.03	80.82	-30.79	peak	150	134	
3	1735.680	58.26	-9.28	48.98	80.82	-31.84	peak	150	246	
4	2169.600	55.92	-7.43	48.49	80.82	-32.33	peak	150	16	
5	2567.023	52.66	-5.46	47.20	74.00	-26.80	peak	150	114	
6	3037.440	48.28	-3.13	45.15	80.82	-35.67	peak	150	351	



Page 24 of 28



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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.: frank2017 #1868 Polarization: Vertical Standard: FCC PK Power Source: DC 3V

Test item: Radiation Test Date: 17/12/21/
Temp.( C)/Hum.(%) 25 C / 55 % Time: 9/41/40

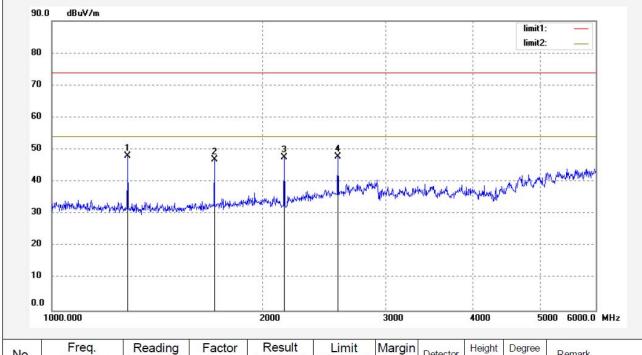
EUT: REMOTE CONTROL Engineer Signature: Frank

Mode: TX433.92MHz Distance: 3m

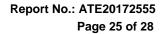
Model: DC5

Manufacturer: Carewell

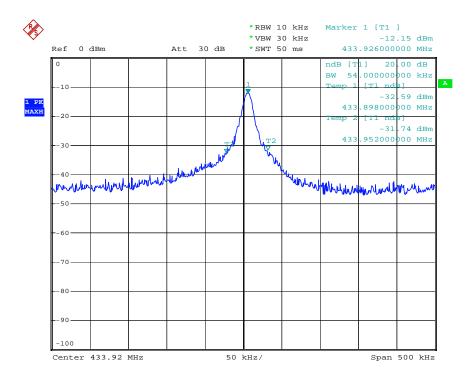
Note: Report NO.:ATE20172555



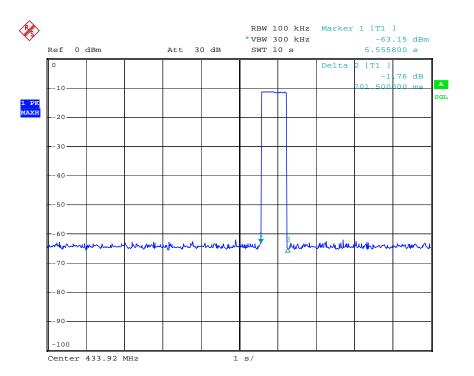
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1301.760	58.50	-10.43	48.07	80.82	-32.75	peak			
2	1735.680	56.24	-9.28	46.96	80.82	-33.86	peak			
3	2169.600	54.97	-7.43	47.54	80.82	-33.28	peak			
4	2567.023	53.24	-5.46	47.78	74.00	-26.22	peak			



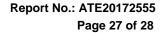






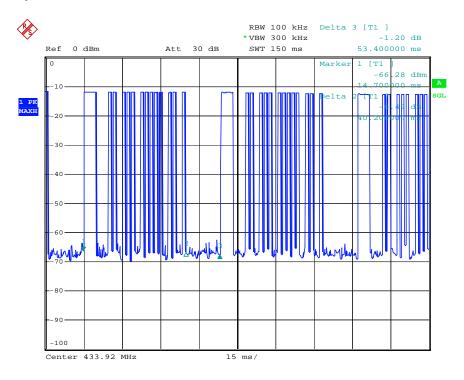


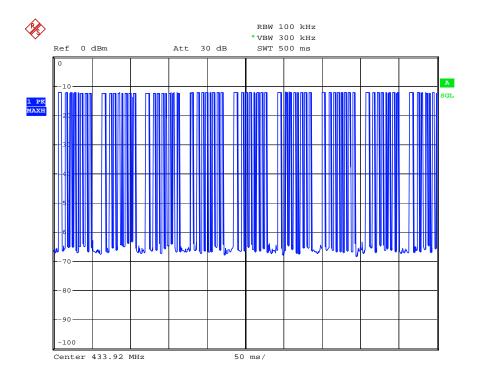
Release Time = 0.70s



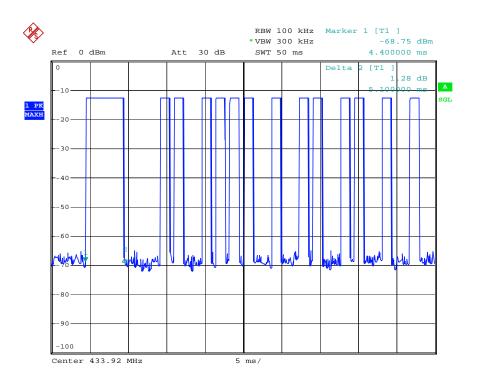


The graph shows the pattern of coding during the signal transmission. The duration of one cycle = 53.40 ms.

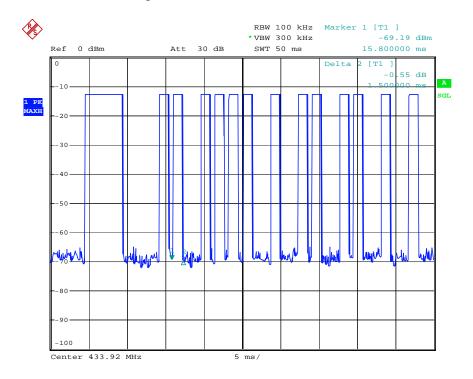








The graph shows the duration of 'on' signal. From marker 1 to Delta 2, duration is 5.1ms.



The graph shows the duration of 'on' signal. From marker 1 to Delta 2, duration is 1.50ms.