**ITL** Page 1 of 30 Report No.: 17030359-1

# **TEST REPORT**

Applicant:	Guangde Ledup Enterprise Inc.
Address of Applicant:	Jingtang Road, Economic Development Zone, Xuancheng, Anhui 242200, China
Manufacturer:	Guangde Ledup Enterprise Inc.
Address of Manufacturer:	Jingtang Road, Economic Development Zone, Xuancheng, Anhui 242200, China
Product name:	Remote Control
Model:	102R5-1701B1W, 51R5-1701B1
Rating(s):	9VDC
Trademark:	LEDUP
Standards:	47 CFR PART 15 Subpart C: 2017 section 15.231
FCC ID:	2AEBHR51701B1
Data of Receipt:	2017-03-30
Date of Test:	2017-03-30~2017-03-31
Date of Issue:	2017-03-31
Test Result	Pass*

 $<sup>^{\</sup>star}\,$  In the configuration tested, the test item complied with the standards specified above.

# Authorized for issue by:

Test by:			Reviewed by:		
Mar. 31,	2017 Galen Xiao	alen Yiao	Mar. 31, 2017	Pauler Li	er l:
	Project Engine			Project Manage	r
Date	Name/Position	Signature	Date	Name/Position	Signature

**ITL** Page 2 of 30 Report No.: 17030359-1

#### Possible test case verdicts:

test case does not apply to the test object ..: N/A

test object does meet the requirement ........ P (Pass)

test object does not meet the requirement ..: F (Fail)

#### **Testing Laboratory information:**

Testing Laboratory Name .....: I-Test Laboratory

Address : 1-2 floor, South Block, Building A2 , No 3 Keyan Lu,

Science City, Guangzhou, Guangdong Province, P.R. China

Testing location : Same as above

Tel : 0086-20-32209330

Fax : 0086-20-62824387

E-mail : itl@i-testlab.com

#### **General remarks:**

The test results presented in this report relate only to the object tested.

The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report.

This report would be invalid test report without all the signatures of testing technician and approver.

This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

#### Note:

The models 102R5-1701B1W and 51R5-1701B1 are identical to each other except for the model names and the cases.

All tests were performed on the models 51R5-1701B1 as representatives.

ITL Page 3 of 30 Report No.: 17030359-1

# 1 Test Summary

. cot cummuny	<u> </u>	+	
Test	Test Requirement	Test method	Result
Radiated Emission	FCC PART 15 section 15.231(b)	ANSI C 63.10: Clause 6.4, 6.5 and 6.6	PASS
Occupied Bandwidth	FCC PART 15 section 15.231(c)	ANSI C 63.10: Clause 6.9	PASS
Dwell Time	FCC PART 15 section 15.231(a)	FCC PART 15: Section 15.231(a)	PASS
Conducted Emission	FCC PART 15 section 15.207	ANSI C 63.10: Clause 6.2	N/A

#### Remark:

N/A: because the device is battery operated. EUT: In this whole report EUT means Equipment Under Test.

Tx: In this whole report Tx (or tx) means Transmitter. Rx: In this whole report Rx (or rx) means Receiver. RF: In this whole report RF means Radio Frequency.

ANSI C63.10: the detail version is ANSI C63.10:2013 in the whole report.

# 2 Contents

			Page
T	EST F	REPORT	1
1	TI	EST SUMMARY	3
2	С	ONTENTS	4
3		ENERAL INFORMATION	
J			
	3.1	CLIENT INFORMATION	
	3.2	GENERAL DESCRIPTION OF E.U.T.	
	3.3	DETAILS OF E.U.T.	
	3.4	DESCRIPTION OF SUPPORT UNITS	
	3.5	TEST LOCATION	
	3.6	DEVIATION FROM STANDARDS	
	3.7	ABNORMALITIES FROM STANDARD CONDITIONS	
	3.8	OTHER INFORMATION REQUESTED BY THE CUSTOMER	
	3.9	TEST FACILITY	
	3.10	MEASUREMENT UNCERTAINTY	6
4	IN	ISTRUMENTS USED DURING TEST	7
5		EST RESULTS	
	5.1	E.U.T. TEST CONDITIONS	S
	5.2	ANTENNA REQUIREMENT	
	5.3	RADIATED EMISSIONS	
	5.4	OCCUPIED BANDWIDTH	
	5.5	DWELL TIME	
	5.6	CONDUCTED EMISSIONS AT MAINS TERMINALS 150 KHZ TO 30MHZ (N/A)	
6	S	ECTION 3 PHOTOGRAPHS	24
	6.1	RADIATED EMISSIONS, 30MHz TO 1GHz TEST SETUP	24
	6.2	RADIATED EMISSIONS, ABOVE 1GHZ TEST SETUP	
	6.3	EUT CONSTRUCTIONAL DETAILS	

ITL Page 5 of 30 Report No.: 17030359-1

# 3 General Information

# 3.1 Client Information

Applicant: Guangde Ledup Enterprise Inc.

Address of Applicant: Jingtang Road, Economic Development Zone, Xuancheng, Anhui 242200,

China

# 3.2 General Description of E.U.T.

Name: Remote Control

Model No.: 51R5-1701B1

Trade Mark: LEDUP

Operating Frequency: 433.92 MHz

Type of Modulation FSK

Function: Control the control box for light string

Antenna Type: PCB antenna

# 3.3 Details of E.U.T.

EUT Power Supply: DC 9V battery
Test mode: transmitting

Power cord: /

# 3.4 Description of Support Units

The EUT has been tested as an independent unit for fixed frequency by testing lab.

ITL Page 6 of 30 Report No.: 17030359-1

#### 3.5 Test Location

All tests were performed at:

**I-Test Laboratory** 

1-2 floor, South Block, Building A2, No 3 Keyan Lu, Science City, Guangzhou, Guangdong Province,

P.R. China

0086-20-32209330

itl@i-testlab.com

No tests were sub-contracted.

#### 3.6 Deviation from Standards

Biconical and log periodic antennas were used instead of dipole antennas.

#### 3.7 Abnormalities from Standard Conditions

None.

# 3.8 Other Information Requested by the Customer

None.

# 3.9 Test Facility

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

CNAS( Lab code:L4957)

• FCC (Registration No.:935596)

IC (Registration NO.:8368A)

# 3.10 Measurement Uncertainty

The below measurement uncertainties given below are based on a 95% confidence level (base on a coverage factor (k=2).)

Parameter	Uncertainty
Radio frequency	±1.06 x 10 <sup>-7</sup>
total RF power, conducted	1.37 dB
RF power density , conducted	2.89 dB
All emissions, radiated	±3.35 dB
Temperature	±0.23 °C
Humidity	±0.3 %
DC and low frequency voltages	±0.3 %

**ITL** Page 7 of 30 Report No.: 17030359-1

# 4 Instruments Used during Test

No.	Test Equipment	Manufacturer	Model	Serial No.	Last Cal.	Cal. Due
ITL-114	Spectrum Analyzer	Agilent	N9010A	MY51250936	2017/01/20	2018/01/20
ITL-154	EMI test receiver 9kHz to 26.5GHz	R&S	ESR26	101257	2017/01/20	2018/01/20
ITL-116	Pre Amplifier	HP	8447F	3113A05905	2017/01/20	2018/01/20
ITL-117	Wideband Amplifier Super Ultra	Mini-circuits	ZVA-183- S+	469101134	2017/01/20	2018/01/20
ITL-105	Biconilog Antenna	ETS•Lindgren	3142D	00108096	2015/01/24	2018/01/24
ITL-110	Horn Antenna	A-INFOMW	JXTXLB- 10180-N	J2031090612 133	2015/01/24	2018/01/24
ITL-102	EMI Test receiver	R&S	ESCI	100910	2016/06/17	2017/06/17
ITL-103	Two-line v- network	R&S	ENV216	100120	2016/06/17	2017/06/17
ITL-115	50Ω Coaxial Cable	Mini-circuits	CBL	C001	2016/06/17	2017/06/17
ITL-100	Semi-Anechoic chamber	ETS•Lindgren	FACT3 2.0	CT09015	2016/11/02	2019/11/02
ITL-145	Loop Antenna	ZHINAN	ZN30900 A	002489	2017/01/20	2018/01/20
ITL-146	Horn Antenna	Schwarzbeck	BBHA 9170	B09806543	2016/06/17	2017/06/17
ITL-101	Shielded Room	ETS•Lindgren	8*4*3	CT09010	2015/03/09	2018/03/09

**ITL** Page 8 of 30 Report No.: 17030359-1

#### 5 Test Results

# 5.1 E.U.T. test conditions

Test Voltage: DC 9V

 Temperature:
 23.2 -25.0 °C

 Humidity:
 38-50 % RH

Atmospheric Pressure: 1000 -1010 mbar

**Requirements:** 15.31(e): For intentional radiators, measurements of the variation of

the input power or the radiated signal level of the fundamental frequency component of the emission, as appropriate, shall be performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage. For battery operated equipment, the equipment tests shall be

performed using a new battery.

Test frequencies and frequency range:

According to the 15.31(m) Measurements on intentional radiators or receivers, other than TV broadcast receivers, shall be performed and, if required, reported for each band in which the device can be operated with the device operating at the number of frequencies in each band

specified in the following table:

According to the 15.33 (a) For an intentional radiator, the spectrum shall be investigated from the lowest radio frequency signal generated in the device, without going below 9 kHz, up to at least the frequency shows in the following table:

shown in the following table:

#### Number of fundamental frequencies to be tested in EUT transmit band

Frequency range in which	Number of	Location in frequency range
1 MHz or less	1	Middle
1 MHz to 10 MHz	2	1 near top and 1 near bottom
More than 10 MHz	3	1 near top, 1 near middle and 1
		near bottom

#### Frequency range of radiated emission measurements

Lowest frequency generated	Upper frequency range of measurement
9 kHz to below 10 GHz	10th harmonic of highest fundamental frequency or to 40 GHz,
At or above 10 GHz to below	5th harmonic of highest fundamental frequency or to 100 GHz,
At or above 30 GHz	5th harmonic of highest fundamental frequency or to 200 GHz,

Remark: Test frequency is 433.92 MHz.

ITL Page 9 of 30 Report No.: 17030359-1

# 5.2 Antenna requirement

# Standard requirement

15.203 requirement:

For intentional device. According to 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.

#### **EUT Antenna**

The antenna is a PCB antenna and no consideration of replacement. The best case gain of the antenna is 3dBi.

Test result: The unit does meet the FCC requirements.

**ITL** Page 10 of 30 Report No.: 17030359-1

#### 5.3 Radiated Emissions

Test Requirement: FCC Part 15 C section 15.231(b)

Test Method: ANSI C63.10: Clause 6.4, 6.5 and 6.6

Test Status: Test the transmitter in continuous transmitting mode.

Limit: The field strength of emissions from intentional radiators operated under this

Section shall not exceed the following:

Fundamental Frequency MHz	Field Strength of Fundamental (dBµV/m @ 3 m)	Field Strength of Harmonics and Spurious Emissions (dBµV/m @ 3 m)
40.66 to 40.70	67.04	47.04
70 to 130	61.94	41.94
130 to 174	61.94 to 71.48**	41.94 to 51.48**
174 to 260	71.48	51.48
260 to 470	71.48 to 81.94**	51.48 to 61.94**
Above 470	81.94	61.94

<sup>\*\*</sup> linear interpolations

No fundamental is allowed in the restricted bands.

The fundamental frequency of the EUT is 433.5 MHz

The limit for average field strength for the fundamental emission is 80.12 dBµV/m.

The limit for average field strength for the spurious emission is 61.94 dBuV/m.

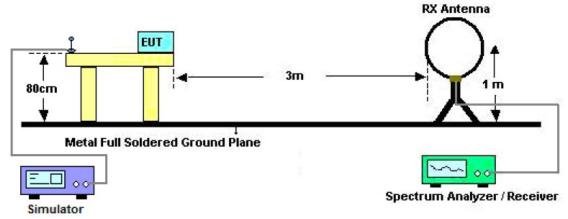
Spurious Emissions appear within the restricted bands shall not exceed the limits shown in Section 15.209.

Intentional radiators operating under the provisions of this section shall demonstrate compliance with the limits on the field strength of emissions, as shown in the above table, based on the average value of the measured emissions. As an alternative, compliance with the limits in the above table may be based on the use of measurement instrumentation with a CISPR quasi-peak detector.

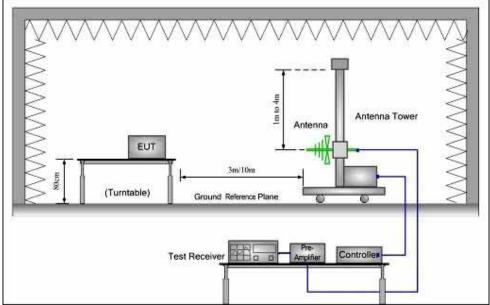
The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit applicable to the equipment under test.

ITL Page 11 of 30 Report No.: 17030359-1

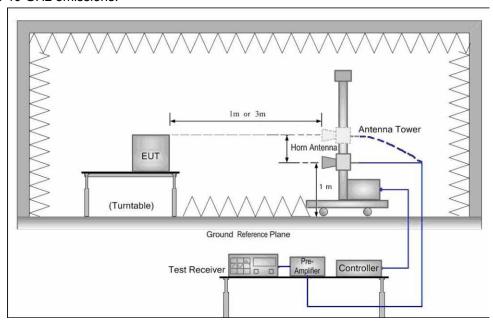
Test Configuration:
1) 9 kHz to 30 MHz emissions:



2) 30 MHz to 1 GHz emissions:



3) 1 GHz to 40 GHz emissions:



ITL Page 12 of 30 Report No.: 17030359-1

#### **Test Procedure:**

#### 1) 9 kHz to 30 MHz emissions:

For testing performed with the loop antenna. The centre of the loop was positioned 1 m above the ground and positioned with its plane vertical at the special distance from the EUT. During testing the loop was rotated about its vertical axis for maximum response at each azimuth and also investigated with the loop positioned in the horizontal plane.

#### 2) 30 MHz to 1 GHz emissions:

For testing performed with the bi-log type antenna. The measurement is performed with the EUT rotated 360°, the antenna height scanned between 1m and 4m, and the antenna rotated to repeat the measurement for both the horizontal and vertical antenna polarizations.

#### 3) 1 GHz to 40 GHz emissions:

Test site with RF absorbing material covering the ground plane that met the site validation criterion called out in CISPR 16-1-4:2007 was used to perform radiated emission test above 1 GHz.

For testing performed with the horn antenna. The measurement is performed with the EUT rotated 360°, the antenna height scanned between 1m and 4m, and the antenna rotated to repeat the measurement for both the horizontal and vertical antenna polarizations.

The field strength of radiation emission was measured in the following position: EUT stand-up position (Y axis), lie-down position (X, Z axis). The worst case of X axis was reported.

Detector: Resolution

Resolution bandwidth for Peak and Quasi-Peak value:

200 Hz for 9 kHz to 150 kHz

9 kHz for 150 kHz to 30 MHz

120 kHz for 30 MHz to 1GHz

1 MHz for above 1 GHz,

 $VBW \geq RBW$ 

Sweep = auto

Detector function = peak

Trace = max hold

For AV value:

Average = Peak value + 20log (Duty cycle)

The average correction factor is computed by analyzing the on time in one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds, therefore the average value of fundamental frequency is: Average = Peak value + 20log (Duty cycle), where the duty factor is calculated from following formula:

ITL Page 13 of 30 Report No.: 17030359-1

Test Period (Tp)	Total Time (Ton)	Duty Cycle	Duty Cycle Factor
1000	672	67.2	-3.45

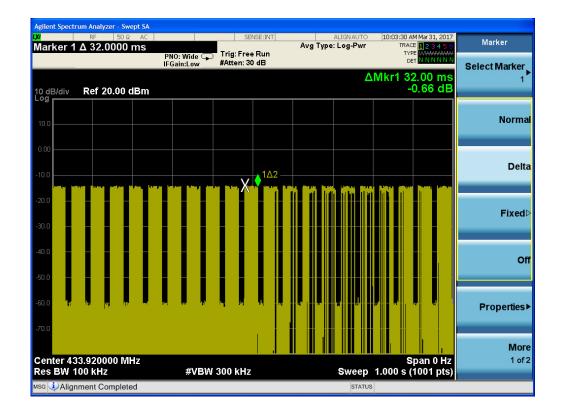
DCCF=20\*log (762ms/100ms)

DCCF=20\*log (0.672)

DCCF=-3.45dB

-3.45dB Duty Cycle Correction Factor was used in this report.

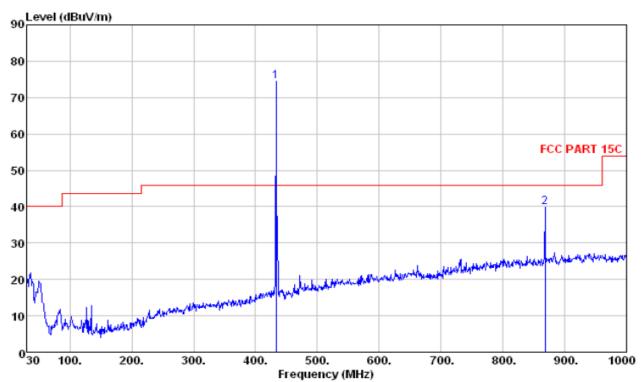
Please refer to below plots for more details.



ITL Page 14 of 30 Report No.: 17030359-1

# Horizontal:

# Peak scan



No.	Frequen	Reading	Correct	Duty	Result	Limit	Margin	Degree	Height	Detector
	су	(dBuV)	(dB/m)	cycle	(dBuV/	(dBuV/	(dB)	(°)	(cm)	
	(MHz)			Factor	m)	m)				
				(dB)						
1	433.520	83.69	-9.23	N/A	74.46	100.12	-23.66	0	100	Peak
				-3.45	71.01	80.12	-9.11	0	100	Average
2	868.080	40.12	-0.33	N/A	39.79	81.94	-41.70	0	100	Peak
				-3.45	36.34	61.94	-25.6	0	100	Average

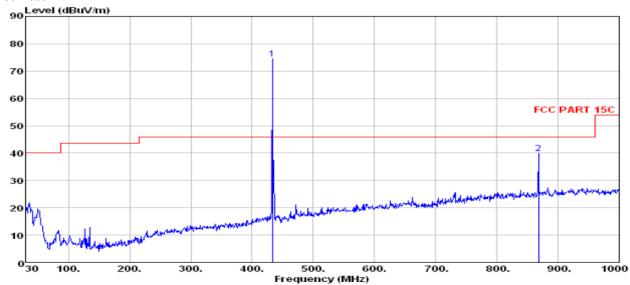
# Above 1GHz

No.	Frequen	Reading	Correct	Dutycy	Result	Limit	Margin	Degree	Height	Detector
	су	(dBuV)	(dB/m)	cle	(dBuV/	(dBu	(dB)	(°)	(cm)	
	(MHz)			Factor	m)	V/m)				
				(dB)						
1	1301	43.51	-1.28	N/A	44.79	81.94	-37.15	0	100	Peak
				-3.45	41.34	61.94	-20.60	0	100	Average

ITL Page 15 of 30 Report No.: 17030359-1

#### Vertical:





No.	Frequen	Reading	Correct	Dutycy	Result	Limit	Margin	Degree	Height	Detector
	су	(dBuV)	(dB/m)	cle	(dBuV/	(dBuV/	(dB)	(°)	(cm)	
	(MHz)			Factor	m)	m)				
				(dB)						
1	433.520	83.69	-9.23	N/A	74.46	100.12	-25.66	0	100	Peak
				-3.45	71.01	80.12	-9.11	0	100	Average
2	868.080	40.12	-0.33	N/A	39.79	81.94	-41.70	0	100	Peak
				-3.45	36.34	61.94	-25.60	0	100	Average

#### **Above 1GHz**

No.	Frequen	Reading	Correct	Dutycy	Result	Limit	Margin	Degree	Height	Detector
	су			cle						
	(MHz)	(dBuV)	(dB/m)	Factor	(dBuV/	(dBu	(dB)	(°)	(cm)	
				(dB)	m)	V/m)				
1	1301	46.82	1.28	N/A	48.10	81.94	-33.84	0	100	Peak
				-3.45	44.65	61.94	-17.29	0	100	Average

Note: Testing is carried out with frequency rang 9kHz to the tenth harmonics, which above 4<sup>h</sup> Harmonics are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured. The measurements greater than 20dB below the limit from 9kHz to 30MHz.

The fundamental frequency is 433.92 the fundamental and spurious emissions radiated limit base on the operating frequency 433.92 MHz.

**ITL** Page 16 of 30 Report No.: 17030359-1

# 5.4 Occupied Bandwidth

Test Requirement: FCC Part 15 C section 15.231 (c)

Test Method: ANSI C63.10: Clause 6.9

Test Status: Test in transmitting mode at lowest and highest channel.

Requirements: 15.231 (c) The bandwidth of the emission shall be no wider than 0.25% of

the center frequency for devices operating above 70 MHz and below 900 MHz. For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the center frequency. Bandwidth is determined at the points 20

dB down from the modulated carrier.

Method of measurement: The useful radiated emission from the EUT was detected by the spectrum

analyzer with peak detector. Record the 20 dB bandwidth of the carrier.

Test result:

Test Frequency	20dB Bandwidth	Limit	Result
MHz	kHz	kHz	
433.92	477	1084	PASS

Limit = Fundamental Frequency X 0.25%=433.92 x 0.0025 = 1084 kHz

ITL Page 17 of 30 Report No.: 17030359-1

#### Test plot:



**ITL** Page 18 of 30 Report No.: 17030359-1

#### 5.5 Dwell Time

Test Requirement: FCC Part 15 C section 15.231(a)

Test Method: FCC Part 15 C section 15.231(a)
Test Status: Test in normal operation mode.

#### Requirements:

1. Regulation 15.231 (a) The provisions of this Section are restricted to periodic operation within the band 40.66 40.70 MHz and above 70 MHz. Except as shown in paragraph (e) of this Section, the intentional radiator is restricted to the transmission of a control signal such as those used with alarm systems, door openers, remote switches, etc. Radio control of toys is not permitted. Continuous transmissions, such as voice or video, and data transmissions are not permitted. The prohibition against data transmissions does not preclude the use of recognition codes. Those codes are used to identify the sensor that is activated or to identify the particular component as being part of the system.

#### Result:

The EUT is a remote switch without audio or video transmitted.

The EUT meets the requirements of this section.

2. Regulation 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. Regulation 15.231 (a2) A transmitter activated automatically shall cease transmission within 5 seconds after activation.

#### Result:

Carrier Frequency MHz	Transmission Time seconds	Limit s	Result
433.92	0.32	5	PASS

ITL Page 19 of 30 Report No.: 17030359-1





#### Result:

The EUT does not have automatic transmission.

**4. Regulation15.231 (a3)** Periodic transmissions at regular predetermined intervals are not permitted. However, polling or supervision transmissions to determine system integrity of transmitters used in security or safety applications are allowed if the periodic rate of transmission does not exceed one transmission of not more than one second duration per hour for each transmitter.

#### Result:

The EUT does not employ periodic transmission.

**5.** Regulation 15.231 (a4) Intentional radiators which are employed for radio control purposes during emergencies involving fire, security, and safety of life, when activated to signal an alarm, may operate during the pendency of the alarm condition.

#### Result:

This section is not applicable to the EUT.

ITL Page 20 of 30 Report No.: 17030359-1

# 5.6 Conducted Emissions at Mains Terminals 150 kHz to 30MHz (N/A)

**Test Requirement:** FCC Part 15 C section 15.207

Test Method: ANSI C63.10: Clause 6.2

Frequency Range: 150 kHz to 30 MHz

**Detector:** Peak for pre-scan (9 kHz Resolution Bandwidth)

**Test Limit** 

#### Limits for conducted disturbance at the mains ports of class B

Class B Limit dB(μV)				
Quasi-peak	Average			
66 to 56	56 to 46			
56	46			
60	50			
	Quasi-peak 66 to 56 56			

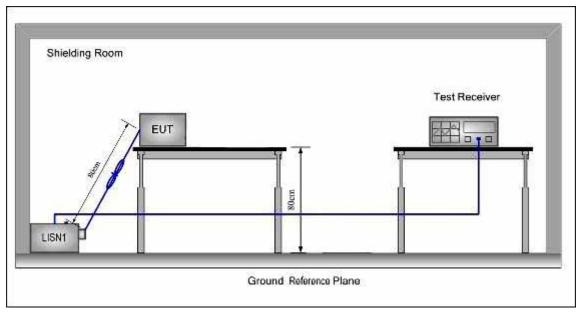
NOTE 1 The limit decreases linearly with the logarithm of the frequency in the range 0,15 MHz to 0,50 MHz.

**EUT Operation:** 

Test in normal operating mode. For intentional radiators, measurements of the variation of the input power or the radiated signal level of the fundamental frequency component of the emission, as appropriate, shall be performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage.

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, channels and antenna ports (if EUT with antenna diversity architecture).

### **Test Configuration:**



#### Test procedure:

- 1. The mains terminal disturbance voltage test was conducted in a shielded room.
- 2. The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a  $50\Omega/50\mu H + 5\Omega$  linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3. The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, but separated from metallic contact with the ground reference plane by 0.1m of insulation.
- 4. The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0,4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0,8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0,8 m from the LISN 2.

ITL Page 22 of 30 Report No.: 17030359-1

#### **Measurement Data**

An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected. For EUT the communicating was worst case mode.

The following	Quasi-Peak and	Average meas	surements were	performed or	າ the EUັ	T
Live line		_		•		

Peak Scan:

Level (dBµV)

/

Quasi-peak and Average measurement

/

# **Neutral Line**

Peak Scan:

Level (dBµV)

/

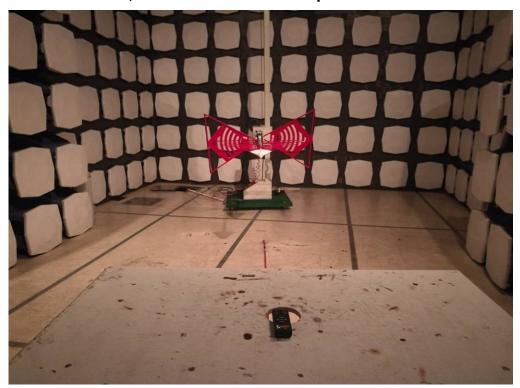
Quasi-peak and Average measurement

/

ITL Page 24 of 30 Report No.: 17030359-1

# 6 Section 3 Photographs

# 6.1 Radiated Emissions, 30MHz to 1GHz Test Setup



# 6.2 Radiated Emissions, above 1GHz Test Setup



**ITL** Page 25 of 30 Report No.: 17030359-1

# **6.3 EUT Constructional Details**

Model: 51R5-1701B1





**ITL** Page 26 of 30 Report No.: 17030359-1

Model: 51R5-1701B1

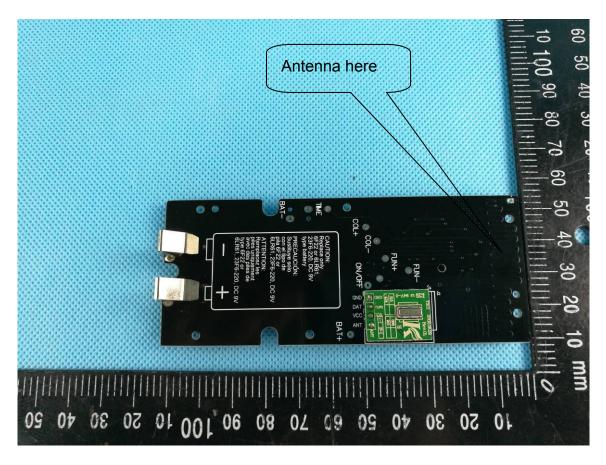




**ITL** Page 27 of 30 Report No.: 17030359-1

Model: 51R5-1701B1





**ITL** Page 28 of 30 Report No.: 17030359-1

Model: 102R5-1701B1W

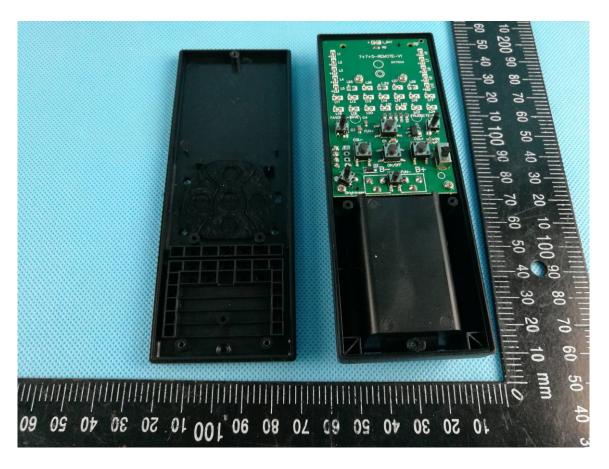




ITL Page 29 of 30 Report No.: 17030359-1

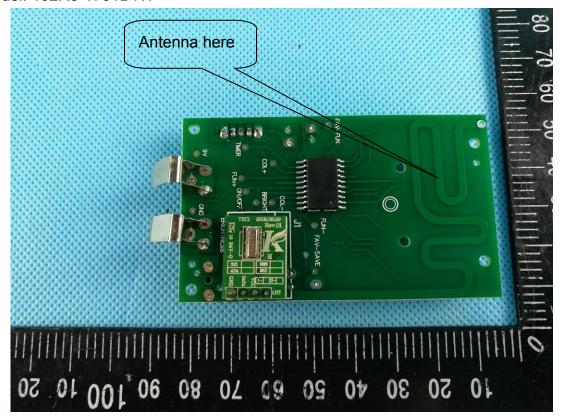
Model: 102R5-1701B1W

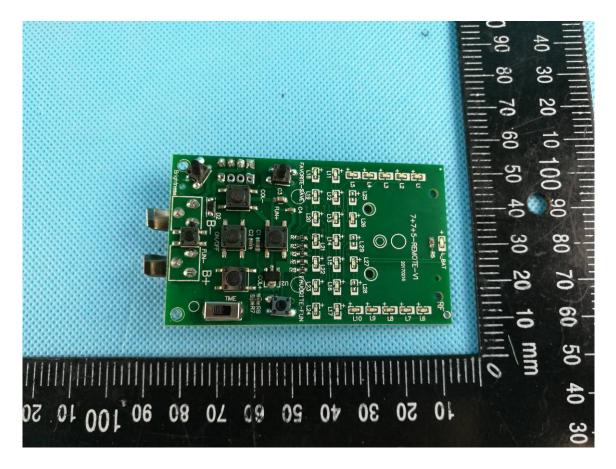




ITL Page 30 of 30 Report No.: 17030359-1

Model: 102R5-1701B1W





-- End of test report --