

TEST REPORT

Product Name : Queue Wireless Calling System
TD157, T116A, TD101, TD172, TD173, TD174,
Model Number : TD175, TD177, TD178, TD179, TD180, TD181,
TD182
FCC ID : 2AAR8TD157A

Prepared for : HENAN ESHOW ELECTRONIC COMMERCE CO., LTD
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Report Number : ES201021005E
Date(s) of Tests : Oct. 22, 2020 to Dec. 19, 2020
Date of issue : Dec. 20, 2020

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TEST REPORT DESCRIPTION

Applicant : HENAN ESHOW ELECTRONIC COMMERCE CO., LTD

Address : Room 722, Sanjiang Building, No.170 Nanyang Road, Huiji District, Zhengzhou, Henan, China

Manufacturer : HENAN ESHOW ELECTRONIC COMMERCE CO., LTD

Address : Room 722, Sanjiang Building, No.170 Nanyang Road, Huiji District, Zhengzhou, Henan, China

EUT : Queue Wireless Calling System

Model Name : TD157, T116A, TD101, TD172, TD173, TD174, TD175, TD177, TD178, TD179, TD180, TD181, TD182

Trademark : RETEKESS

Measurement Procedure Used:

FCC CFR Title 47, Part 15, Subpart B,
ANSI C63.4-2014

The device described above is tested by EMTEK (SHENZHEN) CO., LTD. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and EMTEK (SHENZHEN) CO., LTD. is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment under Test) is technically compliant with the FCC requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of EMTEK (SHENZHEN) CO., LTD.

Date of Test : Oct. 22, 2020 to Dec. 19, 2020

Prepared by : 

Tracy Hu/Editor

Reviewer : 

Joe Xia/Supervisor

Approved & Authorized Signer : 

Lisa Wang/Manager



Modified Information

Version	Report No.	Revision Data	Summary
Ver.1.0	ES201021005E	/	Original Version



1. SUMMARY OF TEST RESULTS

EMISSION		
Description of Test Item	Standard & Limits	Results
Conducted Disturbance at Mains Terminals	FCC Part 15, Subpart B- Section 15.107, Class B ANSI C63.4-2014	Pass
Radiated Disturbance	FCC Part 15, Subpart B- Section 15.109, Class B ANSI C63.4-2014	Pass
Note: N/A is an abbreviation for Not Applicable.		



2. GENERAL INFORMATION

2.1 Description of Device (EUT)

EUT	: Queue Wireless Calling System
Model Number	: TD157, T116A, TD101, TD172, TD173, TD174, TD175, TD177, TD178, TD179, TD180, TD181, TD182 All models are identical in the same PCB layout, interior structure and electrical circuits, only differences are the model name and appearance color for commercial purpose. We prepare TD157 for test, and the worst result recorded in the report.
Power supply	: DC 3.7V from battery
Test sample	: 1#
Applicant	: HENAN ESHOW ELECTRONIC COMMERCE CO., LTD
Address	: Room 722, Sanjiang Building, No.170 Nanyang Road, Huiji District, Zhengzhou, Henan, China
Manufacturer	: HENAN ESHOW ELECTRONIC COMMERCE CO., LTD
Address	: Room 722, Sanjiang Building, No.170 Nanyang Road, Huiji District, Zhengzhou, Henan, China
Date of Received	: Oct. 21, 2020
Date of Test	: Oct. 22, 2020 to Dec. 19, 2020

2.2 Input / Output Ports

EUT Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/
/	/	/	/
/	/	/	/

Auxiliary Cable List and Details			
Cable Description	Length (m)	Shielded/Unshielded	With / Without Ferrite
/	/	/	/

Auxiliary Equipment List and Details			
Description	Manufacturer	Model	Serial Number
/	/	/	/

Notes:

- 1) All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2) Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

2.3 Independent Operation Modes

- A. On
 - 1. Charging
 - 2. Communication
- B. Stand-by
- C. Off

2.4 Test Manner

Test Items	Test Voltage	Operation Modes	Worst case
Conducted Emission	AC120V/60Hz	Mode A	A1
Radiated Emission	AC120V/60Hz 3.7V DC	Mode A1/A2	A1

2.5 Description of Test Facility

Site Description
EMC Lab.

: Accredited by CNAS, 2018.11.30
The certificate is valid until 2022.10.28
The Laboratory has been assessed and proved to be in compliance with CNAS-CL01:2006 (identical to ISO/IEC 17025:2017)
The Certificate Registration Number is L2291

Accredited by FCC
Designation Number: CN1204
Test Firm Registration Number: 882943
Accredited by A2LA, August 25, 2020
The Certificate Registration Number is 4321.01

Accredited by Industry Canada, November 09, 2018
The Conformity Assessment Body Identifier is CN0008

Name of Firm
Site Location

: EMTEK(SHENZHEN) CO., LTD.
: Building 69, Majialong Industry Zone,
Nanshan District, Shenzhen, Guangdong, China

2.6 Test Software

Item	Software
Conducted Emission	: EMTEK(Ver.CON-03A1)-Shenzhen
Radiated Emission	: EMTEK(Ver.RA-03A1)-Shenzhen

2.7 Measurement Uncertainty

Test Item	Uncertainty
Conducted Emission Uncertainty	: 3.16dB(9k~150kHz Conduction 2#) 2.90dB(150k-30MHz Conduction 2#)
Radiated Emission Uncertainty (3m Chamber)	: 3.78dB (30M~1GHz Polarize: H) 4.27dB (30M~1GHz Polarize: V) 4.46dB (1~6GHz)

3. MEASURING DEVICE AND TEST EQUIPMENT

For Power Line Conducted Emission Measurement

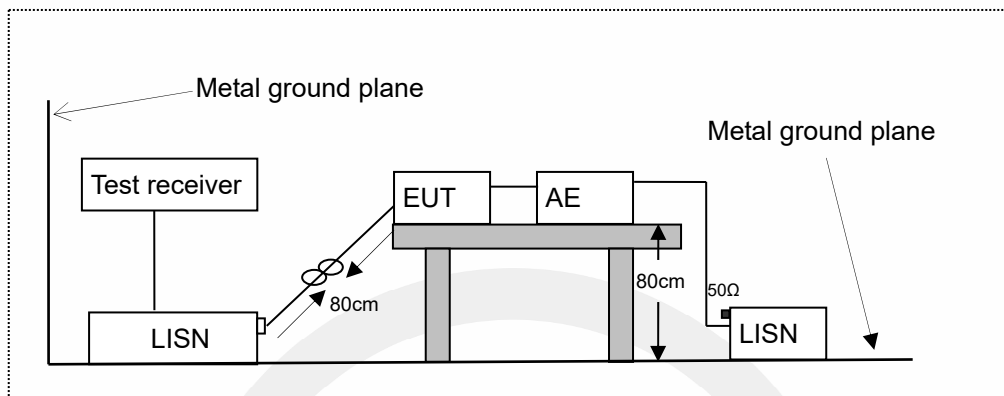
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
<input checked="" type="checkbox"/>	Test Receiver	Rohde & Schwarz	ESCI	101384	May 16, 2020	1 Year
<input checked="" type="checkbox"/>	L.I.S.N.	ROHDE & SCHWARZ	ENV216	5	May 16, 2020	1 Year
<input checked="" type="checkbox"/>	50Ω Coaxial Switch	Anritsu	MP59B	M20531	May 21, 2020	1 Year
<input checked="" type="checkbox"/>	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100006	May 20, 2020	1 Year

For Radiated Emission Measurement

Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
<input checked="" type="checkbox"/>	EMI Test Receiver	Rohde & Schwarz	ESU	100154	May 16, 2020	1 Year
<input checked="" type="checkbox"/>	Pre-Amplifier	Lunar EM	LNA30M3G-25	J10100000070	May 16, 2020	1 Year
<input checked="" type="checkbox"/>	Bilog Antenna	Schwarzbeck	VULB9163	659	Sep. 22, 2019	2 Year
<input checked="" type="checkbox"/>	Pre-Amplifier	SKET.	LNPA_0118G-45	SK2019051801	May 19, 2020	1 Year
<input checked="" type="checkbox"/>	Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1177	June12, 2020	2 Year

4. POWER LINE CONDUCTED EMISSION MEASUREMENT

3.1 Block Diagram of Test Setup



LISN: Line Impedance Stabilization Network

AE: Associated equipment

EUT: Equipment under test

3.2 Limits

FCC Part 15, Subpart B, Class B

Frequency (MHz)	Limit (dB μ V)	
	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

NOTE1-The lower limit shall apply at the transition frequencies.
NOTE2-The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

3.3 Test Procedure

The EUT was placed on a desk 0.8 m height from the metal ground plane and 0.4 m from the conducting wall of the shielding room and it was kept at least 0.8 m from any other grounded conducting surface. The size of the table will nominally be 1.5 m x1.0 m.

The rear of the arrangement shall be flush with the back of the supporting tabletop unless that would not be possible or typical of normal use.

All units of equipment forming the system under test (includes the EUT as well as connected peripherals and associated equipment or devices) shall be arranged such that a nominal 0.1 m separation is achieved between the neighboring units.

Connect EUT to the power mains through a line impedance stabilization network (LISN). Where the mains cable supplied by the manufacturer is longer than 1 m, the excess should be folded at the

centre into a bundle no longer than 0.4 m, so that its length is shortened to 1 m.

All the support units are connecting to the other LISN.

The LISN provides 50 ohm coupling impedance for the measuring instrument.

Both sides of AC line were checked for maximum conducted interference.

The frequency range from 150 kHz to 30 MHz was sweep.

Set the test-receiver system to quasi peak detect function and average detect function, and to measure the conducted emissions values.

Test results were obtained from the following equation:

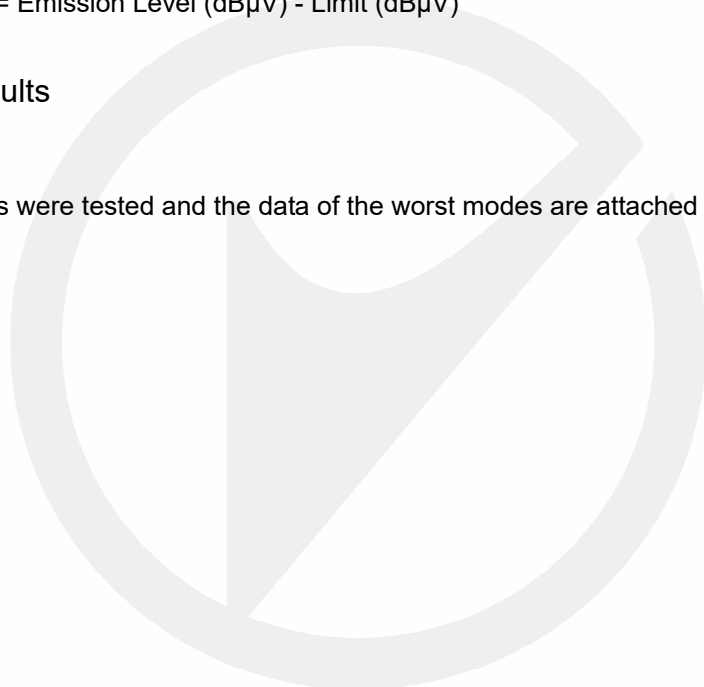
Emission Level (dB μ V) = LISN Factor (dB) + Cable Loss (dB) + Reading (dB μ V)

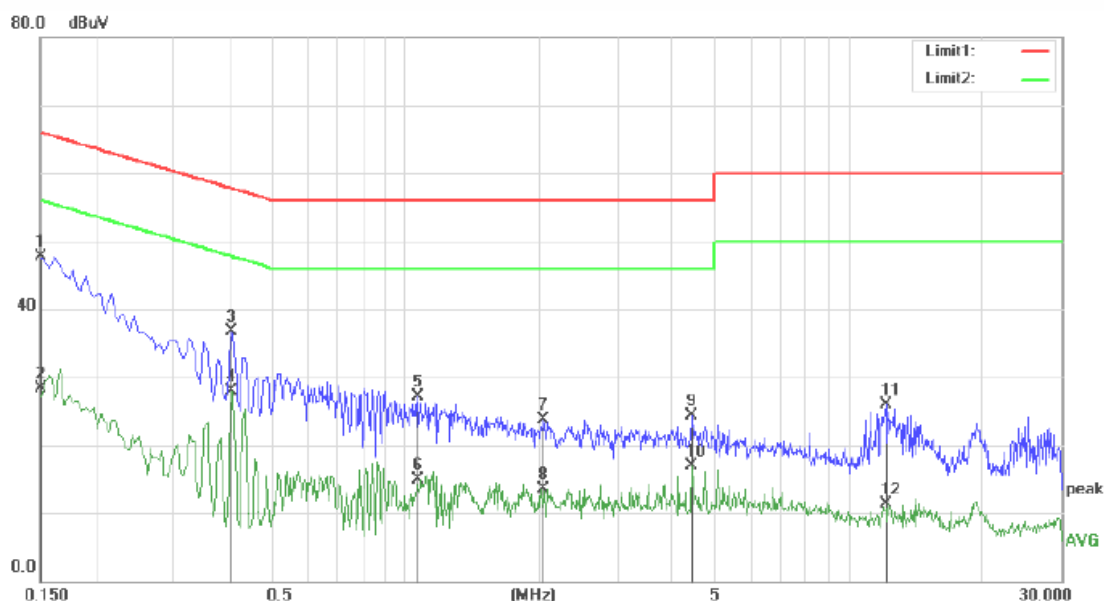
Margin (dB) = Emission Level (dB μ V) - Limit (dB μ V)

3.4 Measuring Results

Pass

All the modes were tested and the data of the worst modes are attached the following pages.





Site Conduction #1

Phase: **N**

Temperature: 24.1

Limit: (CE)FCC PART 15 class B_QP

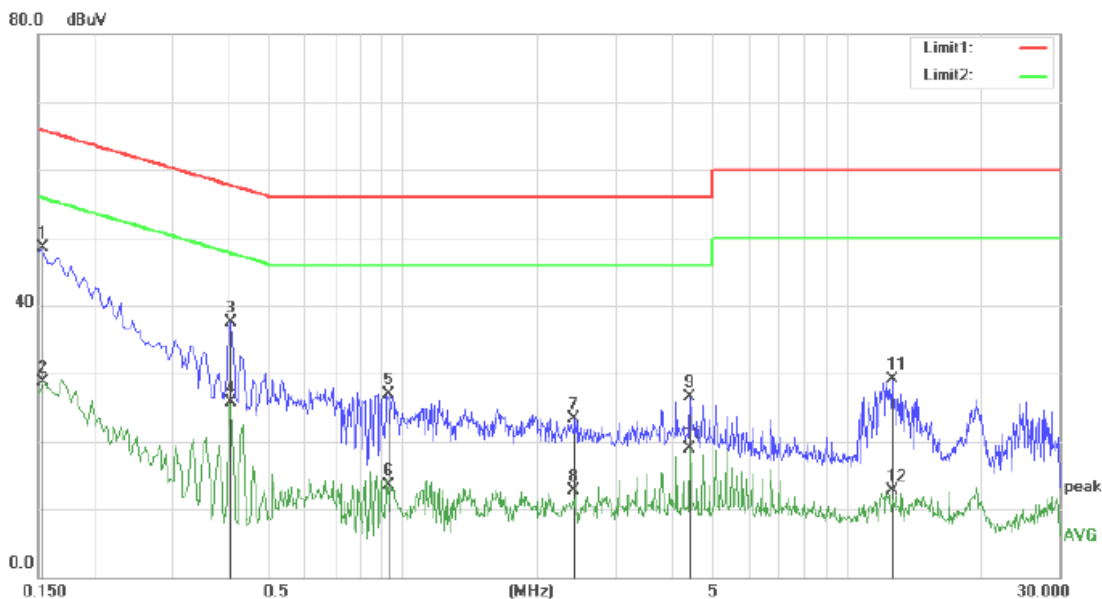
Power: AC 120V/60Hz

Humidity: 53 %

Mode: Charging

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.1500	38.14	9.58	47.72	66.00	-18.28	QP	
2		0.1500	18.64	9.58	28.22	56.00	-27.78	AVG	
3		0.4060	27.39	9.33	36.72	57.73	-21.01	QP	
4		0.4060	18.65	9.33	27.98	47.73	-19.75	AVG	
5		1.0700	17.12	9.90	27.02	56.00	-28.98	QP	
6		1.0700	4.98	9.90	14.88	46.00	-31.12	AVG	
7		2.0500	13.80	9.94	23.74	56.00	-32.26	QP	
8		2.0500	3.63	9.94	13.57	46.00	-32.43	AVG	
9		4.4300	14.32	9.92	24.24	56.00	-31.76	QP	
10		4.4300	6.91	9.92	16.83	46.00	-29.17	AVG	
11		12.0660	15.69	10.15	25.84	60.00	-34.16	QP	
12		12.0660	1.16	10.15	11.31	50.00	-38.69	AVG	



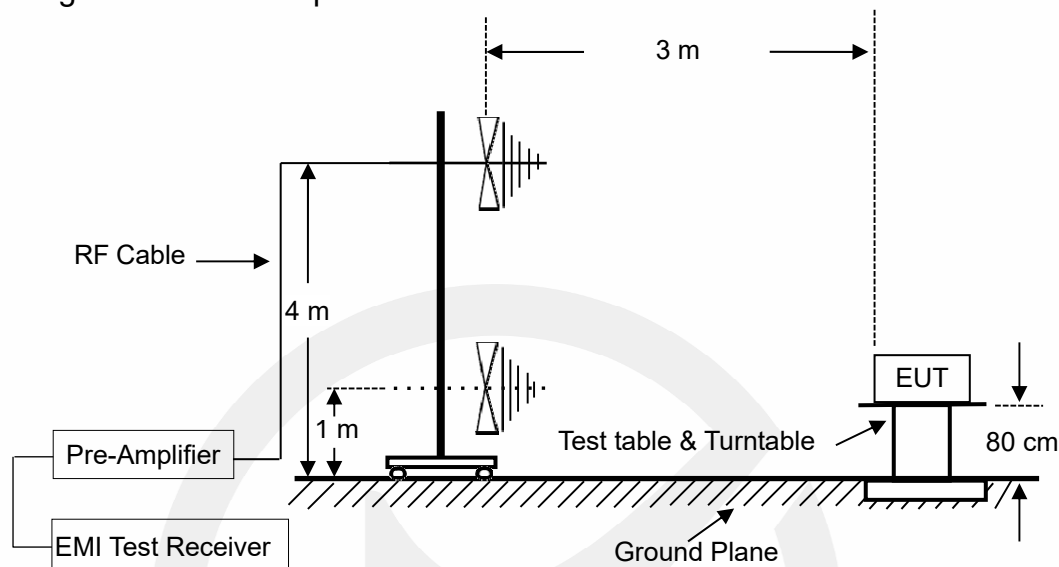
Site Conduction #1
 Limit: (CE)FCC PART 15 class B_QP
 Mode: Charging
 Note:

Phase: **L1**
 Power: AC 120V/60Hz
 Temperature: 24.1
 Humidity: 53 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.1540	38.88	9.57	48.45	65.78	-17.33	QP	
2		0.1540	19.22	9.57	28.79	55.78	-26.99	AVG	
3		0.4100	28.25	9.32	37.57	57.65	-20.08	QP	
4		0.4100	16.29	9.32	25.61	47.65	-22.04	AVG	
5		0.9260	17.15	9.74	26.89	56.00	-29.11	QP	
6		0.9260	3.74	9.74	13.48	46.00	-32.52	AVG	
7		2.4340	13.42	9.94	23.36	56.00	-32.64	QP	
8		2.4340	2.82	9.94	12.76	46.00	-33.24	AVG	
9		4.4300	16.54	9.92	26.46	56.00	-29.54	QP	
10		4.4300	9.00	9.92	18.92	46.00	-27.08	AVG	
11		12.6340	18.86	10.17	29.03	60.00	-30.97	QP	
12		12.6340	2.49	10.17	12.66	50.00	-37.34	AVG	

5. RADIATED EMISSION MEASUREMENT (UP TO 1GHz)

5.1 Block Diagram of Test Setup



5.2 Radiated Limit

FCC Part 15, Subpart B, Class B

Frequency MHz	Distance Meters	Field Strengths Limit	
		$\mu\text{V}/\text{m}$	$\text{dB}(\mu\text{V})/\text{m}$
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0

5.3 Test Procedure

The EUT was placed on a non-conductive table whose total height equaled 80cm. All units of equipment forming the system under test (includes the EUT as well as connected peripherals and associated equipment or devices) shall be arranged such that a nominal 0.1 m separation is achieved between the neighboring units. Where the mains cable supplied by the manufacturer is longer than 1 m, the excess should be folded at the centre into a bundle no longer than 0.4 m, so that its length is shortened to 1 m.

The EUT was set 3 meters away from the receiving antenna that was mounted on a non-conductive mast. The antenna can move up and down between 1 to 4 meters to find out the maximum emission level.

The turntable can rotate 360 degree to determine the position of the maximum emission level.

The initial testing identified the frequency that has the highest disturbance relative to the limit while operating the EUT in typical modes of operation and cable positions in a test setup representative of

typical system configuration.

The identification of the frequency of highest emission with respect to the limit was found by investigating emissions at a number of significant frequencies. The probable frequency of maximum emission had been found and that the associated cable and EUT configuration and mode of operation had been identified.

The bandwidth of the Receiver is set at 120 kHz.

Test results were obtained from the following equation:

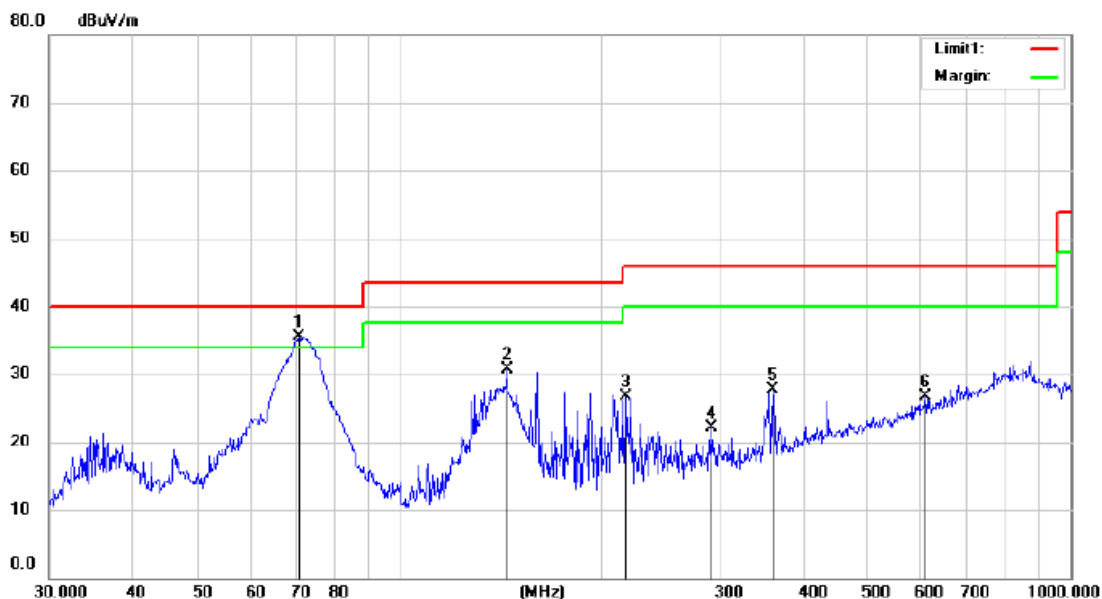
Emission level (dB μ V/m) = Antenna Factor - Amp Factor + Cable Loss + Reading

Margin (dB) = Emission Level (dB μ V/m) - Limit (dB μ V/m)

5.4 Measuring Results

PASS.





Site: 3m Chamber #3

Polarization: **Vertical**

Temperature: 22.5 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 45 %

Mode: Charging

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	70.8315	50.73	-15.28	35.45	40.00	-4.55	QP		
2		144.5246	47.27	-16.63	30.64	43.50	-12.86	QP		
3		217.5443	42.29	-15.67	26.62	46.00	-19.38	QP		
4		292.6990	34.23	-12.07	22.16	46.00	-23.84	QP		
5		359.6586	37.43	-9.64	27.79	46.00	-18.21	QP		
6		609.6544	29.93	-3.13	26.80	46.00	-19.20	QP		



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 22.5 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 45 %

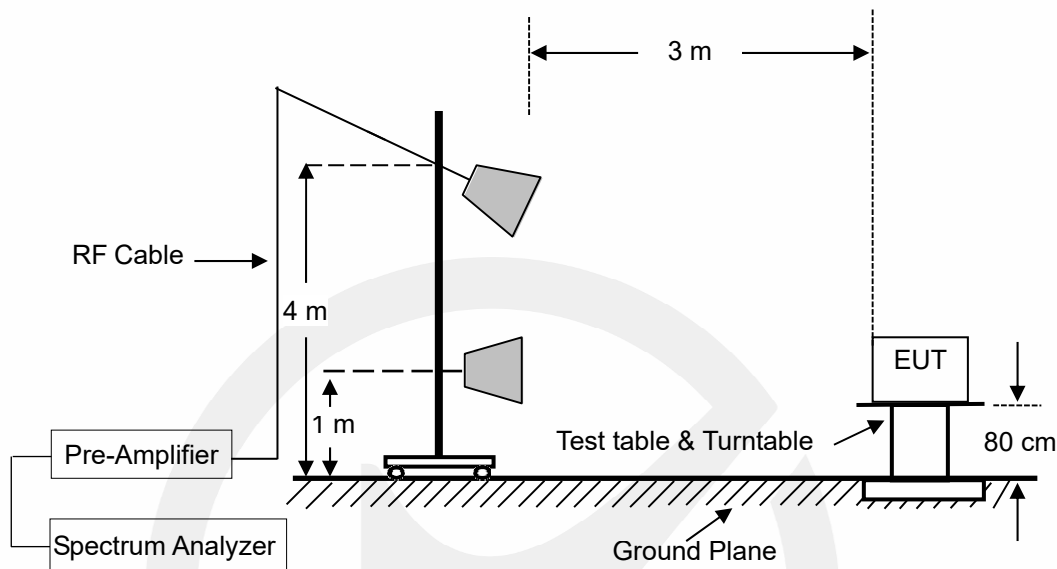
Mode: Charging

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		34.5173	48.38	-16.08	32.30	40.00	-7.70	QP		
2	*	72.0211	53.23	-15.53	37.70	40.00	-2.30	QP		
3	!	144.4613	55.93	-16.63	39.30	43.50	-4.20	QP		
4		192.6717	46.92	-16.09	30.83	43.50	-12.67	peak		
5		435.2081	33.24	-7.15	26.09	46.00	-19.91	peak		
6		845.0877	28.69	2.87	31.56	46.00	-14.44	peak		

6. RADIATED EMISSION MEASUREMENT (ABOVE 1GHz)

6.1 Block Diagram of Test Setup



6.2 Radiated Limit

FCC Part 15, Subpart B, Class B

Frequency range GHz	Average limit dB(μV/m)	Peak limit dB(μV/m)
Above 1000	54	74

Note: The highest internal source of an EUT is defined as the highest frequency generated or used in the device or on which the EUT operates or tunes. If the highest frequency of the internal sources of the EUT is less than 1.705 MHz, the measurement shall only be made up to 30 MHz. If the highest frequency of the internal sources of the EUT is between 1.705 MHz and 108 MHz, the measurement shall only be made up to 1 GHz. If the highest frequency of the internal sources of the EUT is between 108 MHz and 500 MHz the measurement shall only be made up to 2 GHz. If the highest frequency of the internal sources of the EUT is between 500 MHz and 1 GHz, the measurement shall only be made up to 5 GHz. If the highest frequency of the internal sources of the EUT is above 1 GHz, the measurement shall be made up to 5 times the highest frequency or 40 GHz, whichever is less.

6.3 Test Procedure

The EUT was placed on a non-conductive table whose total height equaled 80cm. All units of equipment forming the system under test (includes the EUT as well as connected peripherals and associated equipment or devices) shall be arranged such that a nominal 0.1 m separation is achieved between the neighboring units. Where the mains cable supplied by the manufacturer is longer than 1 m, the excess should be folded at the centre into a bundle no longer than 0.4 m, so that its length is shortened to 1 m.

The EUT was set 3 meters away from the receiving antenna that was mounted on a non-conductive mast. The antenna can move up and down between 1 to 4 meters to find out the maximum emission level.

The turntable can rotate 360 degree to determine the position of the maximum emission level.

The initial testing identified the frequency that has the highest disturbance relative to the limit while operating the EUT in typical modes of operation and cable positions in a test setup representative of typical system configuration.

The identification of the frequency of highest emission with respect to the limit was found by investigating emissions at a number of significant frequencies. The probable frequency of maximum emission had been found and that the associated cable and EUT configuration and mode of operation had been identified.

The frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with peak detector for peak values, and use RBW=1 MHz and VBW=10 Hz with peak detector for Average Values.

Test results were obtained from the following equation:

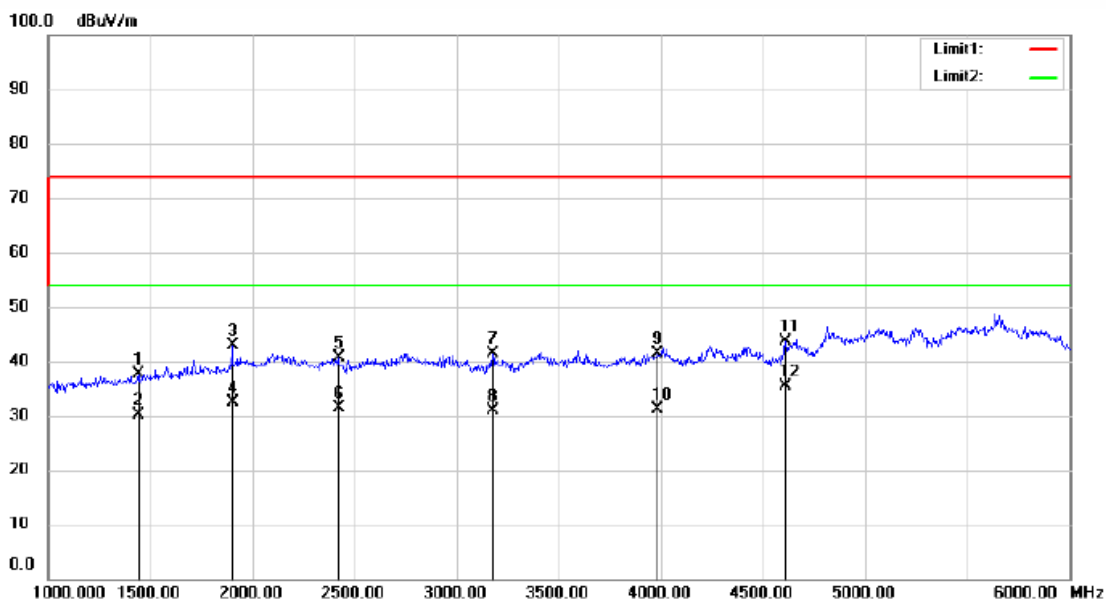
Emission level (dB μ V/m) = Antenna Factor - Amp Factor + Cable Loss + Reading

Margin (dB) = Emission Level (dB μ V/m) - Limit (dB μ V/m)

6.4 Measuring Results

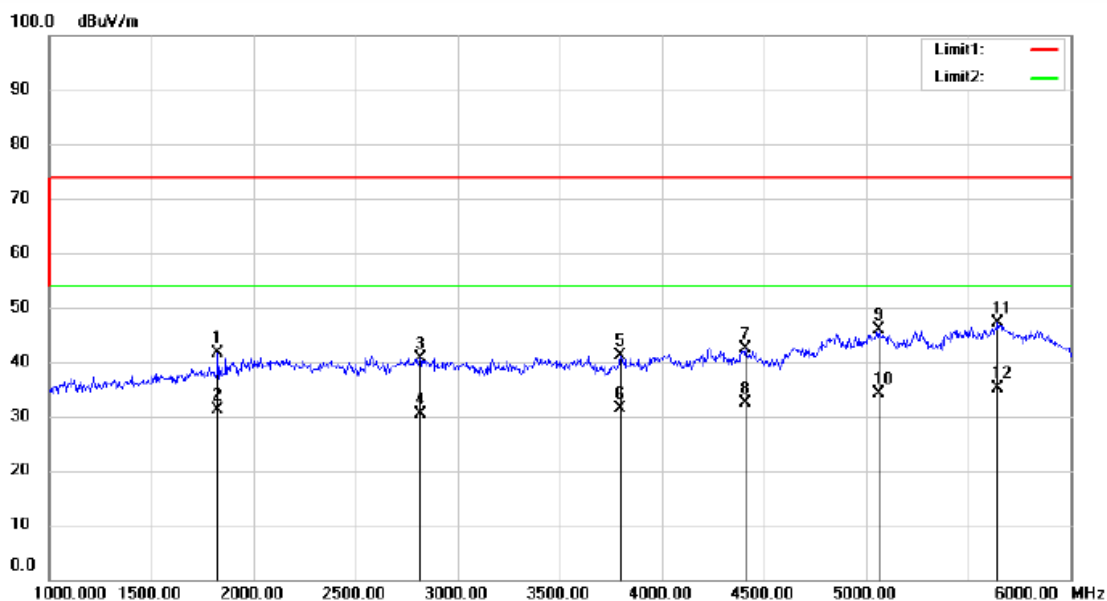
PASS.

All the modes were tested and the data of the worst modes are attached the following pages.



Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 22.5 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 45 %
 Mode: Charging
 Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		1443.500	53.86	-16.11	37.75	74.00	-36.25	peak		
2		1443.500	46.31	-16.11	30.20	54.00	-23.80	AVG		
3		1900.500	56.55	-13.61	42.94	74.00	-31.06	peak		
4		1900.500	46.01	-13.61	32.40	54.00	-21.60	AVG		
5		2420.500	53.51	-12.94	40.57	74.00	-33.43	peak		
6		2420.500	44.44	-12.94	31.50	54.00	-22.50	AVG		
7		3177.000	53.58	-12.25	41.33	74.00	-32.67	peak		
8		3177.000	43.05	-12.25	30.80	54.00	-23.20	AVG		
9		3988.000	51.15	-9.65	41.50	74.00	-32.50	peak		
10		3988.000	40.75	-9.65	31.10	54.00	-22.90	AVG		
11		4610.500	51.67	-8.14	43.53	74.00	-30.47	peak		
12	*	4610.500	43.54	-8.14	35.40	54.00	-18.60	AVG		

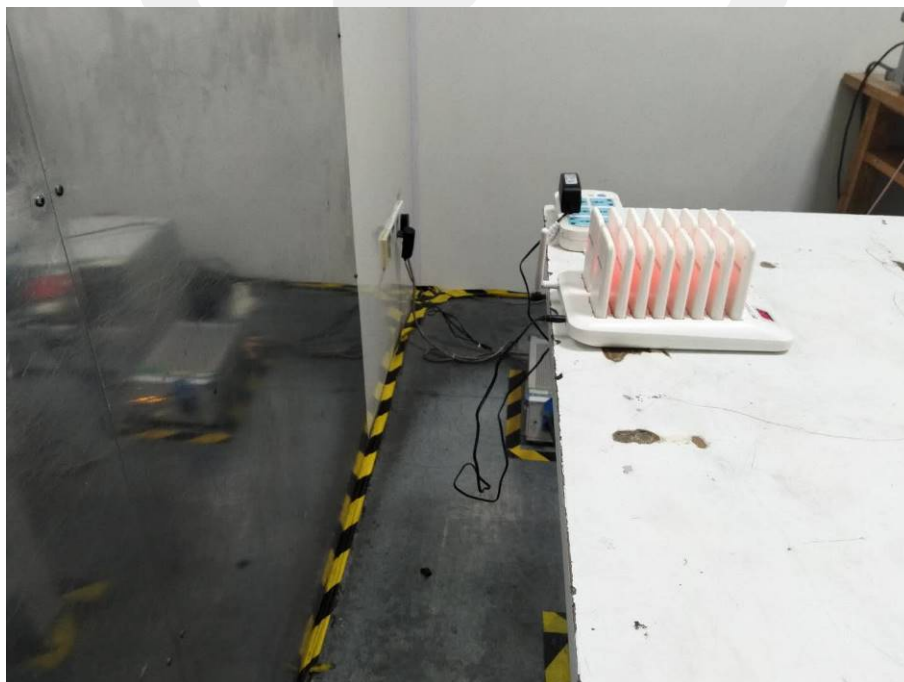
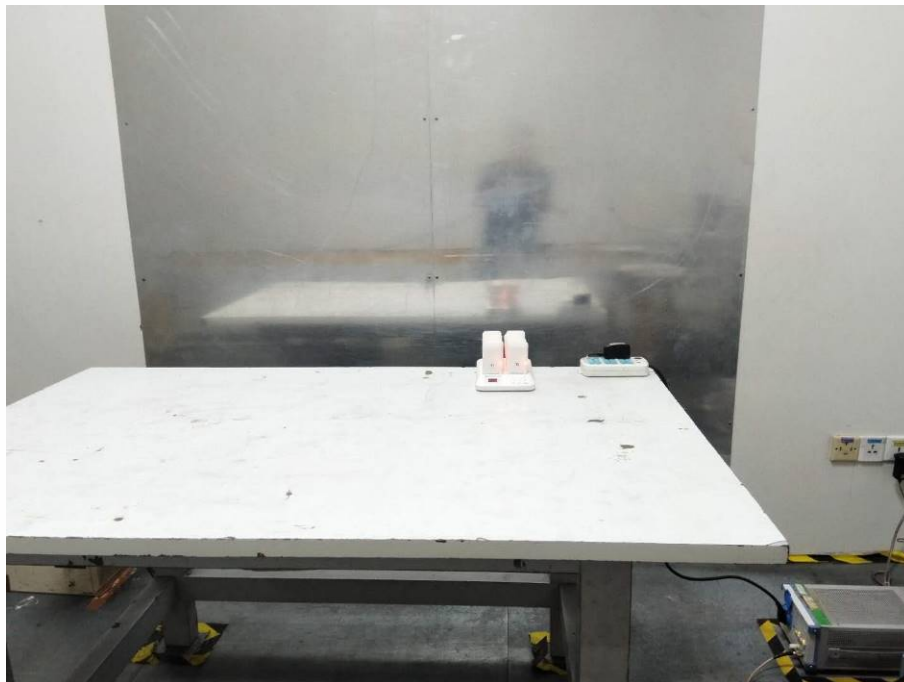


Site: 3m Chamber #3 Polarization: **Horizontal** Temperature: 22.5 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 45 %
 Mode: Charging
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		1825.500	55.64	-14.09	41.55	74.00	-32.45	peak			
2		1825.500	45.29	-14.09	31.20	54.00	-22.80	AVG			
3		2815.500	53.19	-12.55	40.64	74.00	-33.36	peak			
4		2815.500	43.05	-12.55	30.50	54.00	-23.50	AVG			
5		3799.500	51.70	-10.60	41.10	74.00	-32.90	peak			
6		3799.500	41.90	-10.60	31.30	54.00	-22.70	AVG			
7		4414.500	51.28	-8.79	42.49	74.00	-31.51	peak			
8		4414.500	41.29	-8.79	32.50	54.00	-21.50	AVG			
9		5060.500	52.23	-6.26	45.97	74.00	-28.03	peak			
10		5060.500	40.46	-6.26	34.20	54.00	-19.80	AVG			
11		5646.000	51.97	-4.91	47.06	74.00	-26.94	peak			
12	*	5646.000	40.01	-4.91	35.10	54.00	-18.90	AVG			

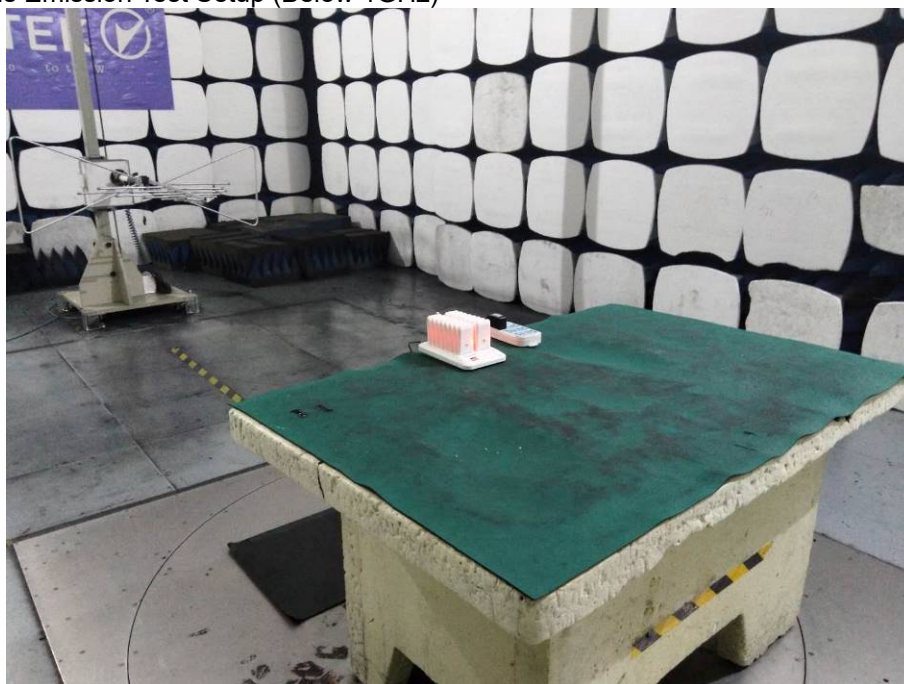
7. PHOTOGRAPHS

7.1 Photos of Conducted Emission Measurement



7.2 Photos of Radiation Emission Measurement

Spurious Emission Test Setup (Below 1GHz)



Spurious Emission Test Setup (Above 1GHz)



APPENDIX A: Label Requirements

(1) Receivers associated with the operation of a licensed radio service, e.g., FM broadcast under part 73 of this chapter, land mobile operation under part 90 of this chapter, etc., shall bear the following statement in a conspicuous location on the device:

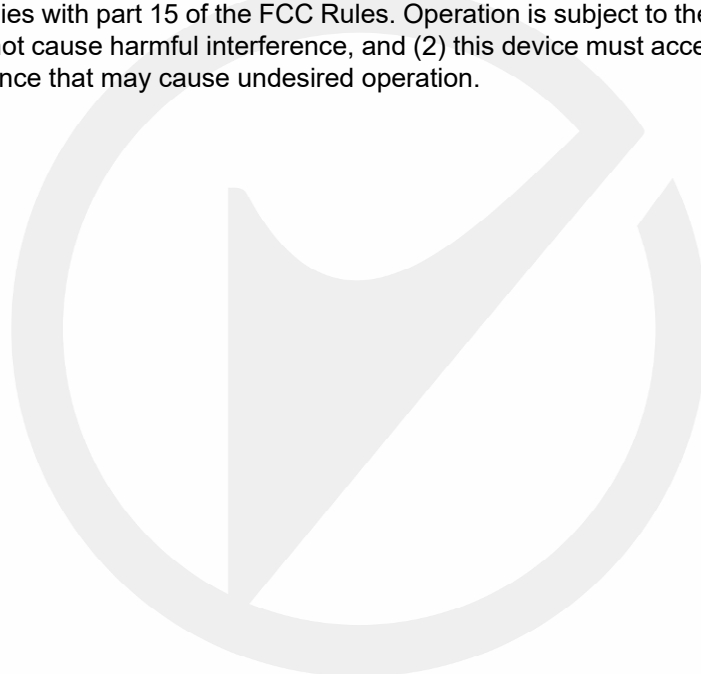
This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

(2) A stand-alone cable input selector switch, shall bear the following statement in a conspicuous location on the device:

This device complies with part 15 of the FCC Rules for use with cable television service.

(3) All other devices shall bear the following statement in a conspicuous location on the device:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



APPENDIX B: Warning Statement

(a) For a Class A digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

(b) For a Class B digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

APPENDIX C: Photos of EUT

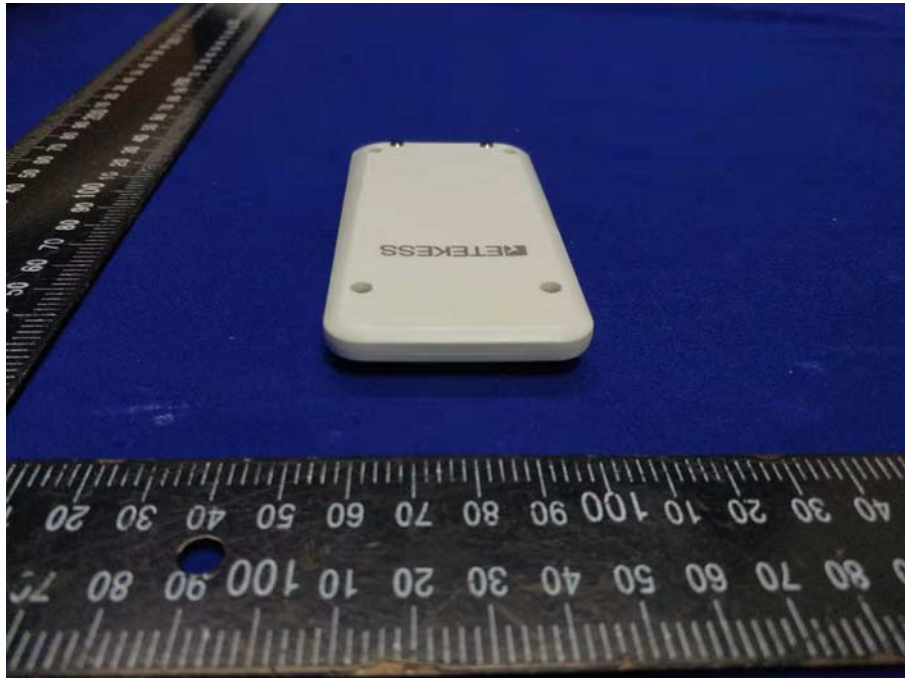
EUT View 1



EUT View 2



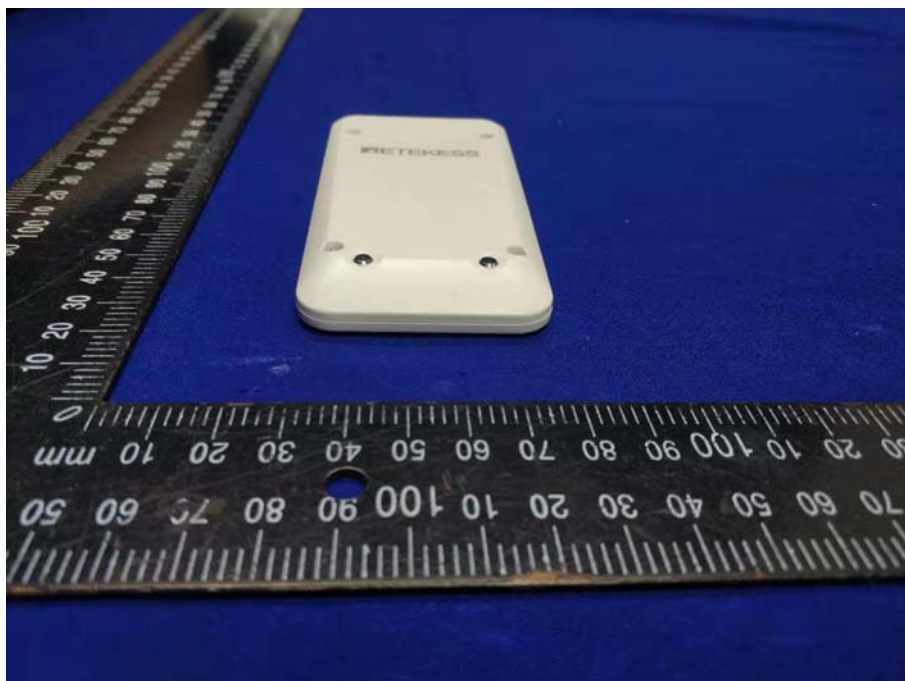
EUT View 3



EUT View 4



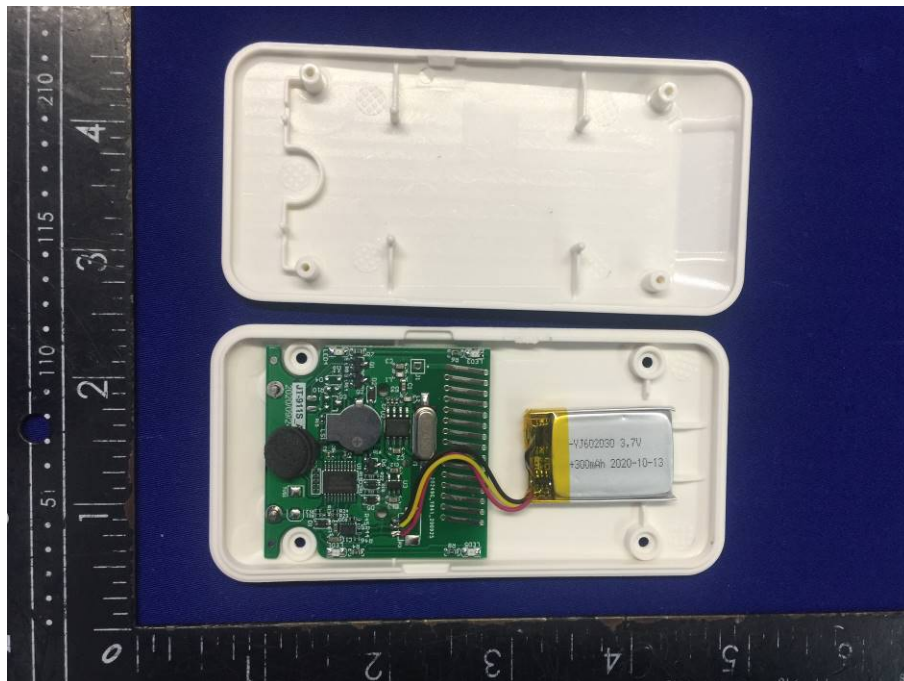
EUT View 5



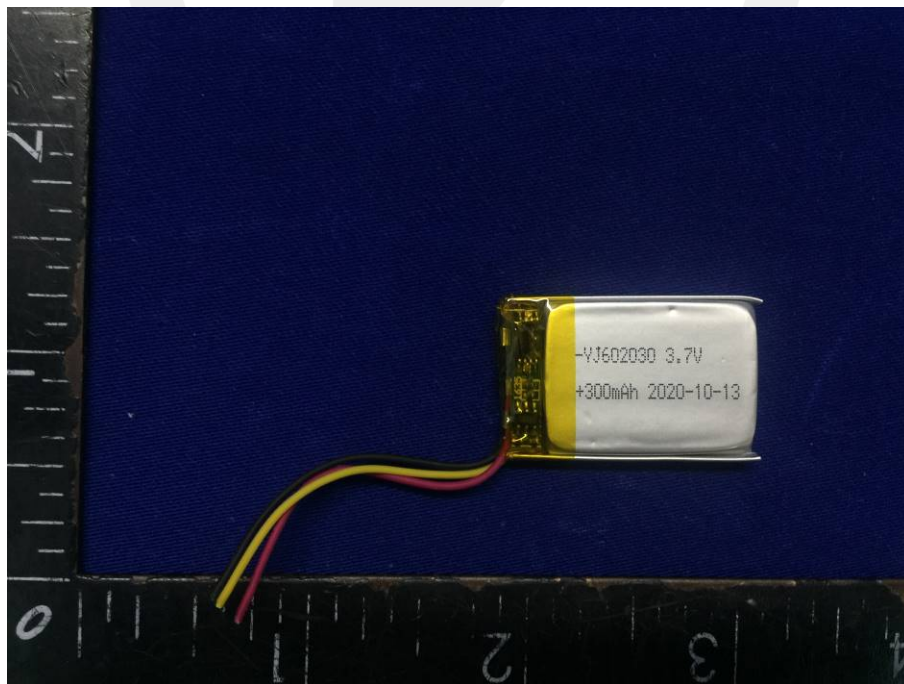
EUT View 6



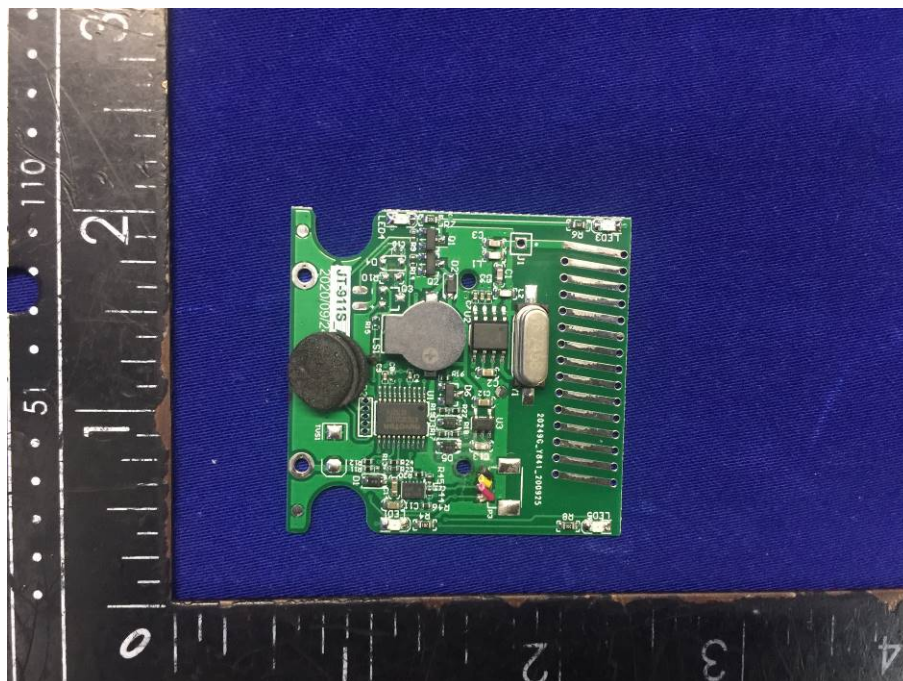
EUT View 7



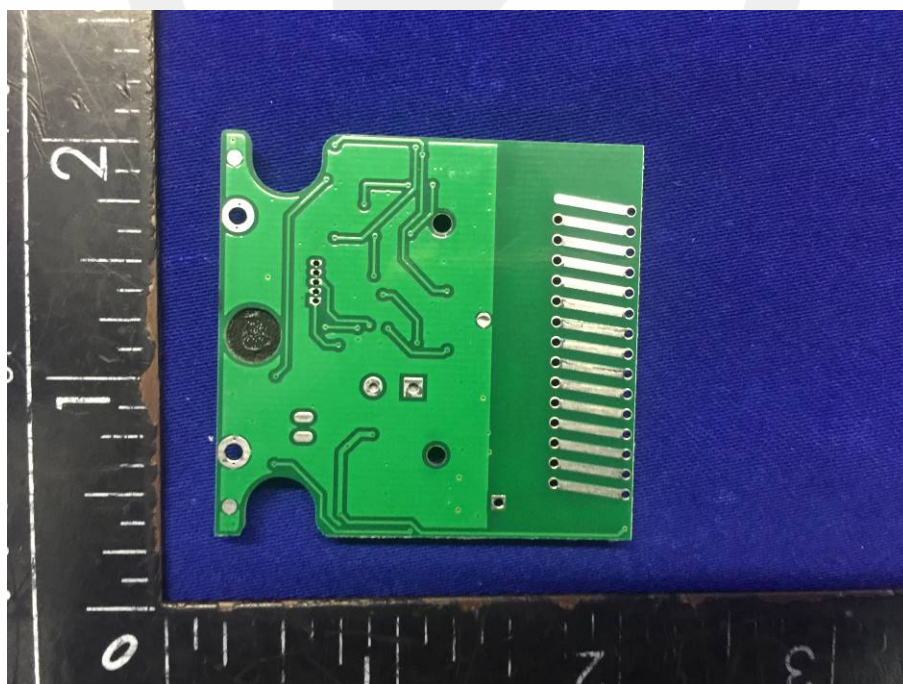
Battery



Solder Board-Component View 1



Solder Board-Component View 2



-----The end-----