TEST REPORT

Report No.:	BCTC2206047110-2E
Applicant:	Ningbo Jiangbei Runleader Electronics Co., Ltd.
Product Name:	Battery indicator & Hour meter
Model/Type Reference:	RL-HM027BT
Tested Date:	2022-06-16 to 2022-06-24
Issued Date:	2022-07-14

Shenzhen BCTC Technology Co., Ltd.

Product Name:	Battery indicator & Hour meter
Trademark:	Runleader®
Model/Type reference:	RL-HM027BT RL-HM032BT, RL-HM058BT, RL-HM068BT, RL-HM086BT, RL-HM088BT, RL-HM098BT, RL-HM210BT, RL-HM400BT, RL-HM410BT, RL-HM420BT, RL-HM430BT, RL-SM002BT, RL-SM005BT, RL-BI025A-BT, RL-BI025B-BT, RL-BI609BT, RL-BI032BT, RL-BI036BT, RL-BI620BT etc
Prepared For:	Ningbo Jiangbei Runleader Electronics Co., Ltd.
Address:	1-2, Sixth Xinheng Road,Cicheng,Jiangbei District,Ningbo City,Zhejiang Province
Manufacturer:	Ningbo Jiangbei Runleader Electronics Co., Ltd.
Address:	1-2, Sixth Xinheng Road,Cicheng,Jiangbei District,Ningbo City,Zhejiang Province
Prepared By:	Shenzhen BCTC Technology Co., Ltd.
Address:	1 Floor, Building 2, Huayou Industrial, Yousong Road, Fukang Community, Longhua Street, Longhua District, Shenzhen, Guangdong, China
Sample Received Date:	2022-06-16
Sample tested Date:	2022-06-16 to 2022-06-24
Issue Date:	2022-07-14
Report No.:	BCTC2206047110-2E
Test Standards	ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-17 V3.2.4 (2020-09)
Test Results	PASS
Remark:	This is EMC test report.

Tested by:

SnowZeng/ Project Handler

Approved by:

Carson.zhang/Reviewer

The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen BCTC Technology Co., Ltd, this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client.

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1. Version

Report No.	Issue Date	Description	Approved
BCTC2206047110-2E	2022-07-14	Original	Valid

2. Test Summary

The Product has been tested according to the following specifications:

Emission		
Standard	**Test Item**	**Test result**
EN 55032	Conducted emissions from the AC mains power ports	N/A[1]
EN 55032	Conducted emissions from the DC mains power ports	N/A[1]
EN 55032	Asymmetric mode conducted emissions	N/A[1]
EN 55032	Conducted differential voltage emissions	N/A[1]
EN 55032	Radiated emissions	Pass
EN IEC 61000-3-2	Harmonic current emission(H)	N/A[1]
EN 61000-3-3	Voltage fluctuations & flicker(F)	N/A[1]

Immunity		
Standard	**Test Item**	**Test result**
IEC 61000-4-2	Electrostatic discharge (ESD)	Pass
IEC 61000-4-3	Continuous RF electromagnetic field disturbances (RS)	Pass
IEC 61000-4-4	Electrical fast transients/burst (EFT)	N/A[1]
IEC 61000-4-5	Surges	N/A[1]
IEC 61000-4-6	Radio frequency, common mode	N/A[1]
ISO 7637-2:2004	Vehicular transients and surges	N/A[1]
IEC 61000-4-11	Voltage dips and interruptions (DIPS)	N/A[1]

Remark:

1. The N/A is an abbreviation for not applicable.

3. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Test item	Value (dB)
Conducted Emission (150kHz-30MHz)	3.20
Radiated Emission(30MHz~1GHz)	4.80
Radiated Emission(1GHz~6GHz)	4.90

4. Product Information and Test Setup

4.1 Product Information

Model/Type reference:	RL-HM027BT
Model differences:	All the model are the same circuit and RF module, except model names and appearance.
Hardware Version:	N/A
Software Version:	N/A
Operation Frequency:	Bluetooth (BLE): 2402-2480MHz
Max. RF output power:	Bluetooth (BLE): -1.14dBm
Type of Modulation:	Bluetooth (BLE): GFSK
Antenna installation:	PCB antenna
Antenna Gain:	0 dBi
Ratings:	DC 3V

4.2 Test Setup Configuration

See test photographs attached in Eut test setup photographs for the actual connections between Product and support equipment.

4.3 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
1.	--	---	--	---	---

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.

4.5 Test Mode

Test item	Test Mode	Test Voltage
Radiated emissions(30MHz-6GHz) Class B	BT Link	DC 3V
Electrostatic discharge (ESD) ☒Air Discharge: ±2,4,8Kv ☒Contact Discharge: ±2,4kV ☒HCP & VCP: ±2,4kV	BT Link	DC 3V
Continuous RF electromagnetic field Disturbances(RS) ☒80MHz-6000MHz , 3V/m,80% Front, Rear, Left, Right H/V	BT Link	DC 3V
All test mode were tested and passed, only Conducted emissions and Radiated Emissions shows (*) is the worst case mode which were recorded in this report.		

5. Test Facility and test Instrument Used

5.1 Test Facility

All measurement facilities used to collect the measurement data are located at Shenzhen BCTC Technology Co., Ltd. Address: 1st floor, building 2, Huayou Industrial Zone, Yousong Road, Fukang community, Longhua street, Longhua District, Shenzhen, P. R. China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.

5.2 Test Instrument Used

Conducted emissions Test						
Equipment No.	**Equipment name**	**Manufacturer**	**model**	**serial No.**	**Calibration date**	**Validity period**
BCTC--KJ-EMC-001	Receiver	R&S	ESCI	101421	2022-06-01	2023-05-31
BCTC--KJ-EMC-003	AMN	SCHWHRZBECK	NNBM8127	8127739	2022-06-01	2023-05-31
BCTC--KJ-EMC-064	Pulse Limiter	SCHWHRZBECK	VTSD 9561-F-N	00547	2022-06-01	2023-05-31
/	Software	EZ-EMC	Ver.EMC-CON 3A1	/	/	/

Radiated disturbance						
Equipment No.	**Equipment name**	**Manufacturer**	**model**	**serial No.**	**Calibration date**	**Validity period**
BCTC--KJ-EMC-008	Broadband antenna	SCHWHRZBECK	VULB9160	3369	2022-06-06	2023-06-05
BCTC--KJ-EMC-002	Receiver	R&S	ESPI	1164.6407.07	2022-06-01	2023-05-31
BCTC--KJ-EMC-007	Preamplifier	SCHWHRZBECK	BBV9743	/	2022-06-01	2023-05-31
/	Software	EZ-EMC	Ver.FA-03 A2	/	/	/

Harmonic current emission/ Voltage fluctuations & flicker						
Equipment No.	**Equipment name**	**Manufacturer**	**model**	**serial No.**	**Calibration date**	**Validity period**
BCTC--KJ-EMC-011	Harmonic tester	KIKUSUI	KHA1000	VA002162	2022-06-07	2023-06-06
BCTC--KJ-EMC-012	Linear impedance network	KIKUSUI	LIN1020JF	UL001611	2022-06-01	2023-05-31
BCTC--KJ-EMC-013	Multi outlet unit	KIKUSUI	0T01-RHA	N/A	2022-06-07	2023-06-06
BCTC--KJ-EMC-014	Power supply network	KIKUSUI	PCR4000M	UK001879	2022-06-01	2023-05-31
/	Software	KIKUSUI	Ver3.6.1.00	/	/	/

Electrostatic discharge immunity Test						
Equipment No.	**Equipment name**	**Manufacturer**	**model**	**serial No.**	**Calibration date**	**Validity period**
BCTC--KJ-EMC-015	Electrostatic discharge generator	3C TEST	EDS 30V	ES0121614	2022-06-02	2023-06-01

Fast transients immunity Test						
Equipment No.	**Equipment name**	**Manufacturer**	**model**	**serial No.**	**Calibration date**	**Validity period**
BCTC--KJ-EMC-016	Fast pulse generator	Prima	EFT6100 4AG	PR14054467	2022-06-01	2023-05-31
BCTC--KJ-EMC-017	Coupling forceps	Prima	EFT6100 4AG	BCTC009E	2022-06-01	2023-05-31

Surges immunity Test						
Equipment No.	**Equipment name**	**Manufacturer**	**model**	**serial No.**	**Calibration date**	**Validity period**
BCTC--KJ-EMC-018	Power line lightning strike generator	Prima	SUG61005BX	PR12045446	2022-05-10	2023-05-09
BCTC--KJ-EMC-044	Single phase transformer	Prima	JMB-3KVA	LL-PLM1407	2022-06-01	2023-05-31

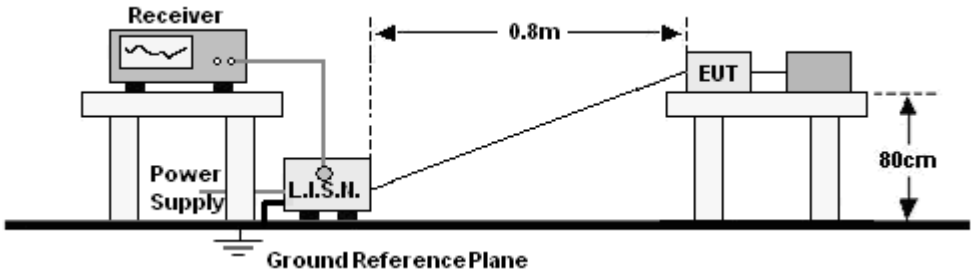
Injected currents immunity Test						
Equipment No.	**Equipment name**	**Manufacturer**	**model**	**serial No.**	**Calibration date**	**Validity period**
BCTC--KJ-EMC-020	CS signal generator	SCHLODER	CDG6000	126B1281	2022-06-01	2023-05-31
BCTC--KJ-EMC-021	Injection forceps	SCHLODER	EMCL-20	132A1214/2015	2022-06-01	2023-05-31
BCTC--KJ-EMC-022	CDN	SCHLODER	CDN-M2+3	A2210320/2015	2022-06-01	2023-05-31
BCTC--KJ-EMC-005	6dB Attenuator	N/A	CDG60100	201411010015	2022-06-01	2023-05-31
/	Software	HUBERT	Version 1.3.0(04.02.2014)	126B1300	/	/

Voltage dips and interruptions immunity Test						
Equipment No.	**Equipment name**	**Manufacturer**	**model**	**serial No.**	**Calibration date**	**Validity period**
BCTC--KJ-EMC-023	Voltage drop tester	Prima	DRP61011AG	PR14086284	2022-06-01	2023-05-31

6. Conducted Emissions

6.1 Block Diagram Of Test Setup

For mains ports:



6.2 Limit

Limits for Conducted emissions at the mains ports of Class B MME

Frequency range MHz)	Limits dB(μV)	
	Quasi-peak	Average
0,15 to 0,50	66 to 56*	56 to 46*
0,50 to 5	56	46
5 to 30	60	50

Notes: 1. *Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

6.3 Test procedure

For mains ports:
a. The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
b. The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak and AVG detector in Max Hold mode. Run the receiver's pre-scan to record the maximum disturbance generated from Product in all power lines in the full band.
c. For each frequency whose maximum record was higher or close to limit, measure its QP and AVG values and record.

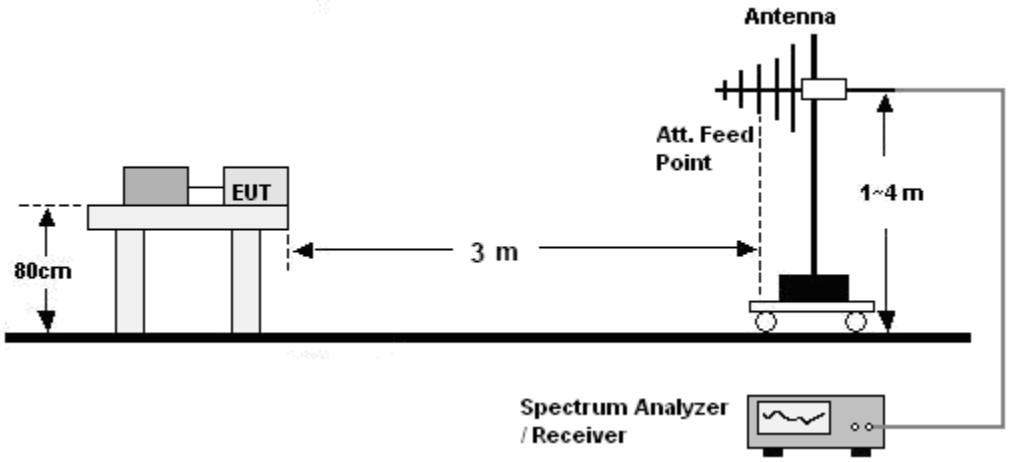
6.4 Test Result

EUT power supply is provided by DC, is not applicable in this test report.

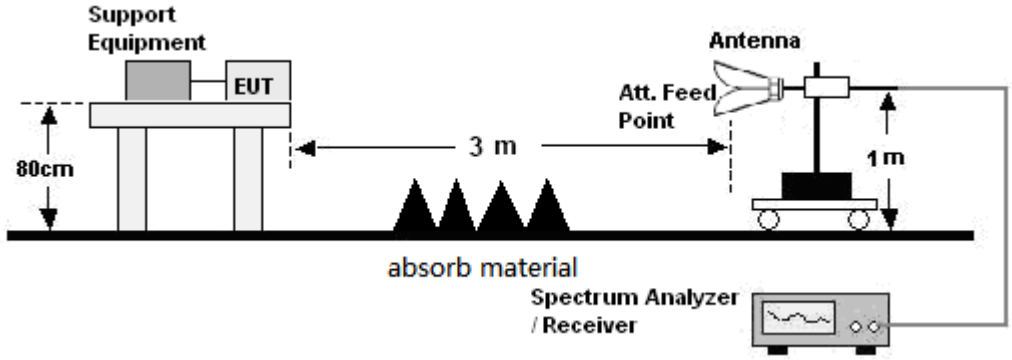
7. Radiated Emissions Test

7.1 Block Diagram Of Test Setup

30MHz ~ 1GHz:



Above 1GHz:



7.2 Limits

Limits for radiated disturbance of Class B MME

Frequency (MHz)	Quasi-peak limits at 3m dB(μV/m)	
30-230	40	
230-1000	47	
Frequency (GHz)	limit above 1G at 3m dB(μV/m)	
	Average	peak
1-3	50	70
3-6	54	74

Note: The lower limit shall apply at the transition frequencies.

7.3 Test Procedure

30MHz ~ 1GHz:

a. The Product was placed on the nonconductive turntable 0.8m above the ground in a semi anechoic chamber.

b. Set the spectrum analyzer/receiver in Peak detector, Max Hold mode, and 120 kHz RBW. Record the maximum field strength of all the pre-scan process in the full band when the antenna is varied between 1~4 m in both horizontal and vertical, and the turntable is rotated from 0 to 360 degrees.

c. For each frequency whose maximum record was higher or close to limit, measure its QP value: vary the antenna's height and rotate the turntable from 0 to 360 degrees to find the height and degree where Product radiated the maximum emission, then set the test frequency analyzer/receiver to QP Detector and specified bandwidth with Maximum Hold Mode, and record the maximum value.

Above 1GHz:

a. The Product was placed on the non-conductive turntable 0.8 m above the ground in a full anechoic chamber..

b. Set the spectrum analyzer/receiver in Peak detector, Max Hold mode, and 1MHz RBW. Record the maximum field strength of all the pre-scan process in the full band when the antenna is varied in both horizontal and vertical, and the turntable is rotated from 0 to 360 degrees.

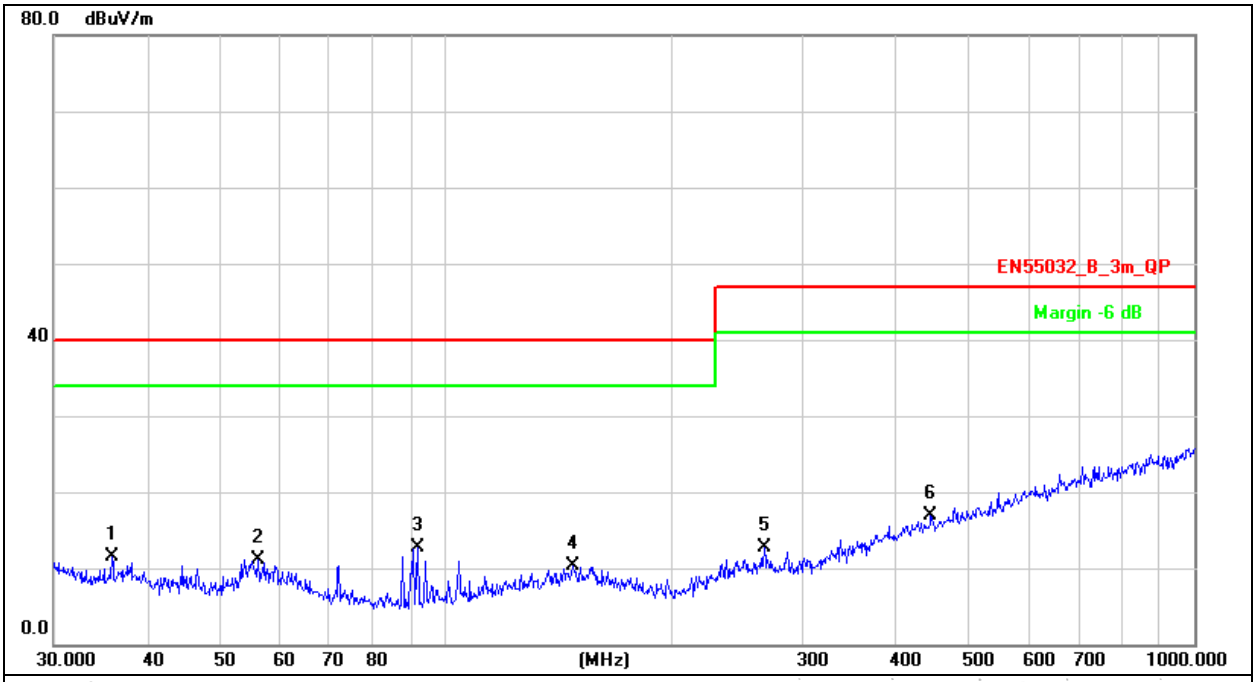
c. For each frequency whose maximum record was higher or close to limit, measure its AV value: rotate the turntable from 0 to 360 degrees to find the degree where Product radiated the maximum emission, then set the test frequency analyzer/receiver to AV value and specified bandwidth with Maximum Hold Mode, and record the maximum value.

Above 1GHz
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

7.4 Test Results

Below 1GHz

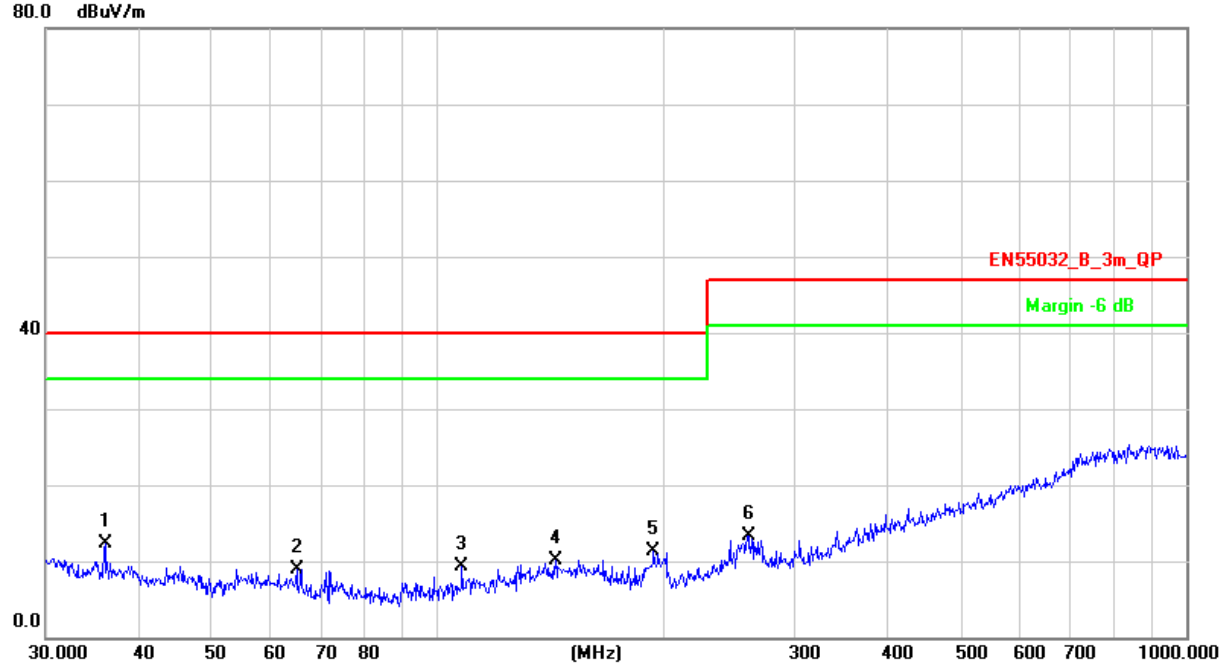
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase:	Horizontal
Test Mode:	BT Link	Remark:	N/A



Remark:
1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement = Reading Level + Correct Factor
3. Over = Measurement - Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		35.8746	21.18	-9.77	11.41	40.00	-28.59	QP
2		56.1974	22.91	-11.79	11.12	40.00	-28.88	QP
3	*	91.8163	26.53	-13.76	12.77	40.00	-27.23	QP
4		147.9214	20.04	-9.81	10.23	40.00	-29.77	QP
5		266.6089	21.48	-8.80	12.68	47.00	-34.32	QP
6		444.8514	20.15	-3.18	16.97	47.00	-30.03	QP

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101KPa	Phase:	Vertical
Test Mode:	BT Link	Remark:	N/A

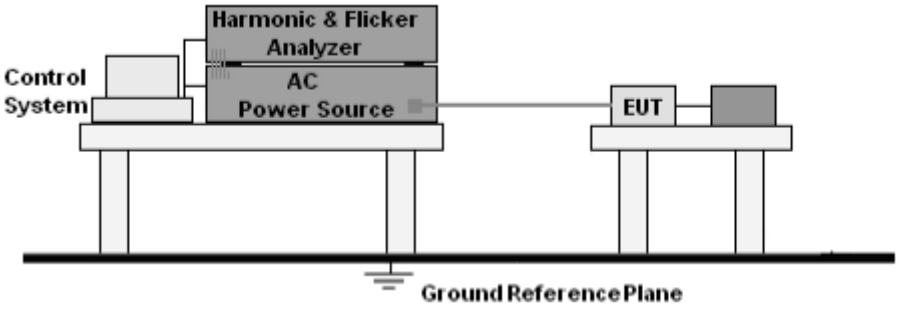


Remark:
1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. Measurement = Reading Level + Correct Factor
3. Over = Measurement - Limit

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	*	36.0007	22.16	-9.80	12.36	40.00	-27.64	QP
2		64.8865	21.29	-12.29	9.00	40.00	-31.00	QP
3		107.8877	21.84	-12.48	9.36	40.00	-30.64	QP
4		143.8295	20.11	-10.08	10.03	40.00	-29.97	QP
5		194.4534	22.96	-11.74	11.22	40.00	-28.78	QP
6		260.1444	22.21	-8.85	13.36	47.00	-33.64	QP

8. Harmonic current emission(H)

8.1 Block Diagram of Test Setup



8.2 Limit

EN IEC 61000-3-2:2019

8.3 Test Procedure

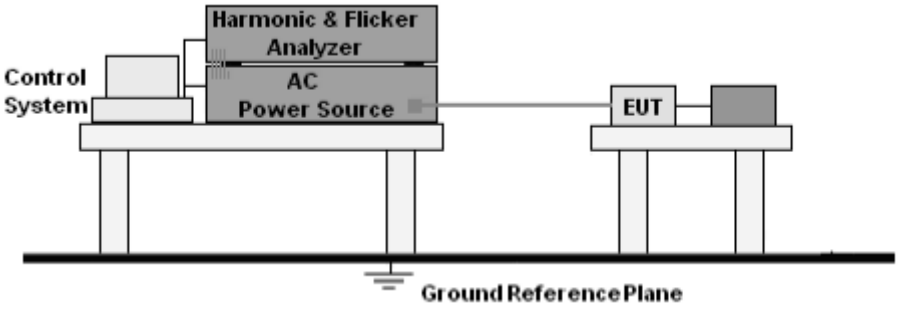
a. The Product was placed on the top of a non-conductive table above the ground and operated to produce the maximum harmonic components under normal operating conditions for each successive harmonic component in turn.
b. The correspondent test program of test instrument to measure the current harmonics emanated from Product was chosen. The measure time shall be not less than the time necessary for the Product to be exercised.

8.4 Test Results

EUT power supply is provided by DC, is not applicable in this test report.

9. Voltage Fluctuations & Flicker(F)

9.1 Block Diagram of Test Setup



9.2 Limit

EN 61000-3-3:2013+A1:2019

9.3 Test Procedure

a. The Product was placed on the top of a non-conductive table above the ground and operated to produce the most unfavorable sequence of voltage changes under normal operating conditions.
b. During the flick test, the measure time shall include that part of whole operation cycle in which the Product produce the most unfavorable sequence of voltage changes. The observation period for short-term flicker indicator is 10 minutes and the observation period for long-term flicker indicator is 2 hours.

9.4 Test Results

EUT power supply is provided by DC, is not applicable in this test report.

10. Immunity Test of General the Performance Criteria

According To EN 301489 -17 standard, The General Performance Criteria As Following:

Criteria	During test	After test (i.e. as a result of the application of the test)
A	Shall operate as intended. (see note). Shall be no loss of function. Shall be no unintentional transmissions.	Shall operate as intended. Shall be no degradation of performance. Shall be no loss of function. Shall be no loss of critical stored data.
B	May be loss of function.	Functions shall be self-recoverable. Shall operate as intended after recovering. Shall be no loss of critical stored data.
C	May be loss of function.	Functions shall be recoverable by the operator. Shall operate as intended after recovering. Shall be no loss of critical stored data.
NOTE: Operate as intended during the test allows a level of degradation in accordance with Minimum performance level.		

Minimum performance level
For equipment that supports a PER or FER, the minimum performance level shall be a PER or FER less than or equal to10 %.
For equipment that does not support a PER or a FER, the minimum performance level shall be no loss of the wireless transmission function needed for the intended use of the equipment.

Performance criteria for Continuous phenomena
The performance criteria A shall apply.
Where the EUT is a transmitter in standby mode, unintentional transmission shall not occur during the test.
Where the EUT is a transceiver in receive mode, unintentional transmission shall not occur during the test.

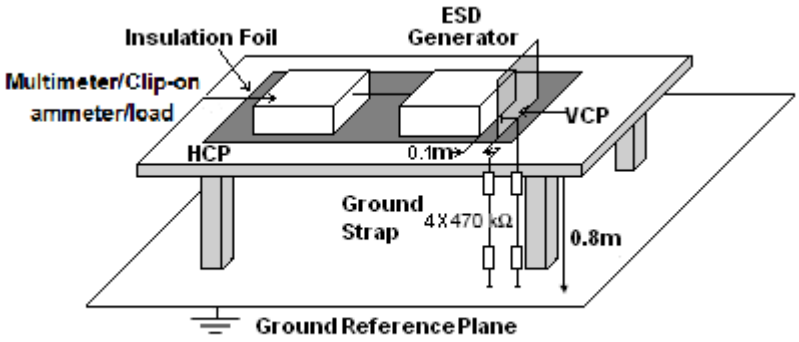
Performance criteria for Transient phenomena
The performance criteria B shall apply, except for voltage dips greater than or equal to 100 ms and voltage interruptions of 5 000 ms duration, for which performance criteria C shall apply.
Where the EUT is a transmitter in standby mode, unintentional transmission shall not occur as a result of the application of the test.
Where the EUT is a transceiver in receive mode, unintentional transmission shall not occur as a result of the application of the test.

11. Electrostatic Discharge (ESD)

11.1 Test Specification

Test Port	:	Enclosure port
Discharge Impedance	:	330 ohm / 150 pF
Discharge Mode	:	Single Discharge
Discharge Period	:	one second between each discharge

11.2 Block Diagram of Test Setup



11.3 Test Procedure

a. Electrostatic discharges were applied only to those points and surfaces of the Product that are accessible to users during normal operation.
b. The test was performed with at least ten single discharges on the pre-selected points in the most sensitive polarity.
c. The time interval between two successive single discharges was at least 1 second.
d. The ESD generator was held perpendicularly to the surface to which the discharge was applied and the return cable was at least 0.2 meters from the Product.
e. Contact discharges were applied to the non-insulating coating, with the pointed tip of the generator penetrating the coating and contacting the conducting substrate.
f. Air discharges were applied with the round discharge tip of the discharge electrode approaching the Product as fast as possible (without causing mechanical damage) to touch the Product. After each discharge, the ESD generator was removed from the Product and re-triggered for a new single discharge. The test was repeated until all discharges were complete.

11.4 Test Results

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101kPa	Test Mode:	BT Link
Test Voltage :	DC 3V		

Mode	Air Discharge (Test result)								Contact Discharge (Test result)								Perform Criteria	Judgment
Test level (kV)	2		4		8		15		2		4		6		8			
Test Location	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-		
HCP									A	A	A	A					TT,TR	PASS
VCP									A	A	A	A					TT,TR	PASS
Keys	A	A	A	A	A	A											TT,TR	PASS
Insulating surface	A	A	A	A	A	A			A	A	A	A					TT,TR	PASS

Note:

1) P/N denotes the Positive/Negative polarity of the output voltage.
2) Test condition:
   Direct / Indirect (HCP/VCP) discharges: Minimum 50 times (Positive/Negative) at each point.
   Air discharges: Minimum 10 times (Positive/Negative) at each point.
3) N/A - denotes test is not applicable in this test report
4)There was not any unintentional transmission in standby mode

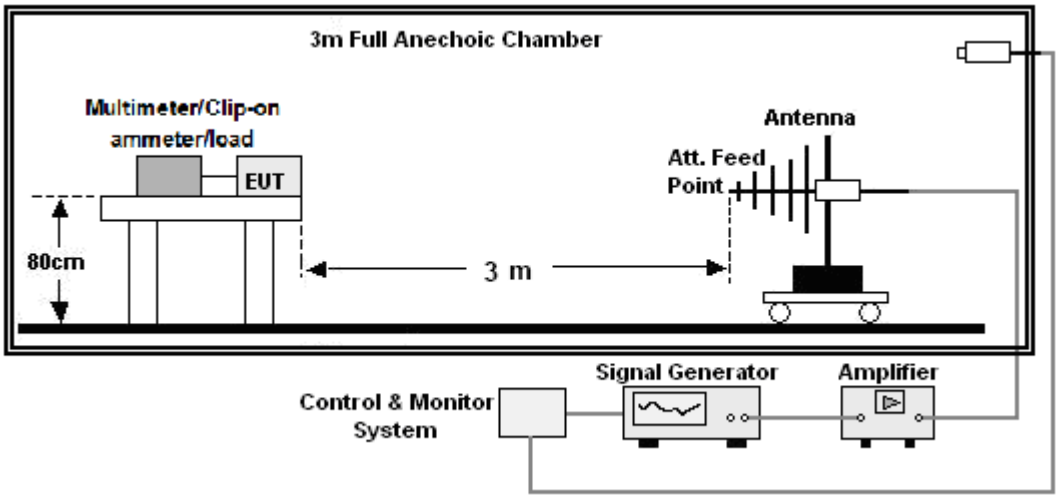
12. Continuous RF Electromagnetic Field Disturbances(RS)

12.1 Test Specification

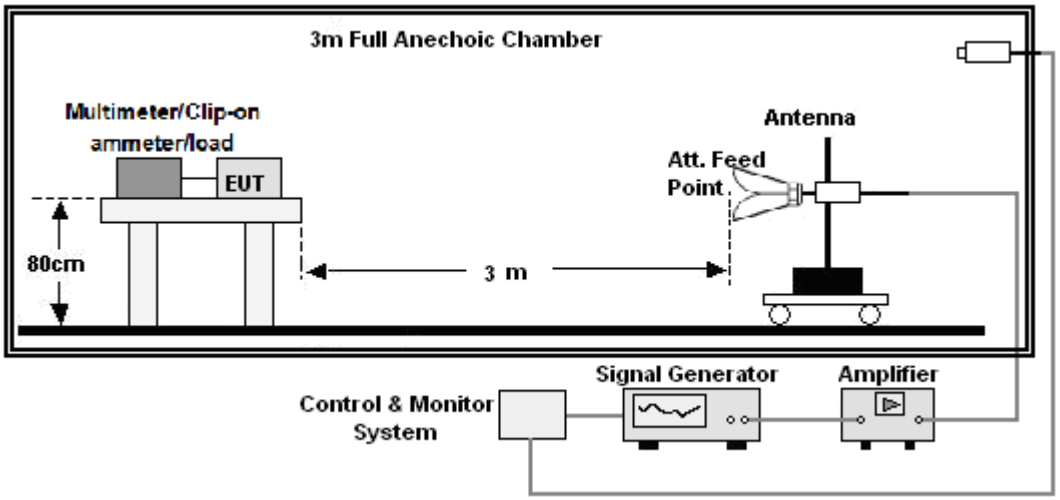
Test Port	:	Enclosure port
Step Size	:	1%
Modulation	:	1kHz, 80% AM
Dwell Time	:	1 second
Polarization	:	Horizontal & Vertical

12.2 Block Diagram of Test Setup

Below 1GHz:



Above 1GHz:



12.3 Test Procedure

a. The testing was performed in a fully-anechoic chamber. The transmit antenna was located at a distance of 3 meters from the Product.
b. The frequency range is swept from 80MHz to 6000MHz, with the signal 80% amplitude modulated with a 1 kHz sine wave, and the step size was 1%.
c. The dwell time at each frequency shall not be less than the time necessary for the EUT to be exercised and to be able to respond, but should not exceed 5 s at each of the frequencies during the scan.
d. The test was performed with the Product exposed to both vertically and horizontally polarized fields on each of the four sides.
e. For Broadcast reception function: Group 2 not apply in this test.

12.4 Test Results

Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	101kPa	Test Mode:	BT Link
Test Voltage :	DC 3V		

Frequency Range (MHz)	RF Field Position	R.F.Field Strength	Azimuth	Perform Criteria	Test Result	Judgment
80~6000	H / V	3 V/m (rms) AM Modulated 1000Hz, 80%	Front	CT,CR	A	PASS
			Rear			
			Left			
			Right			

Note:
1) P/N denotes the Positive/Negative polarity of the output voltage.
2) N/A - denotes test is not applicable in this test report.
3) There was no change operated with initial operating during the test.
4) There was not any unintentional transmission in standby mode

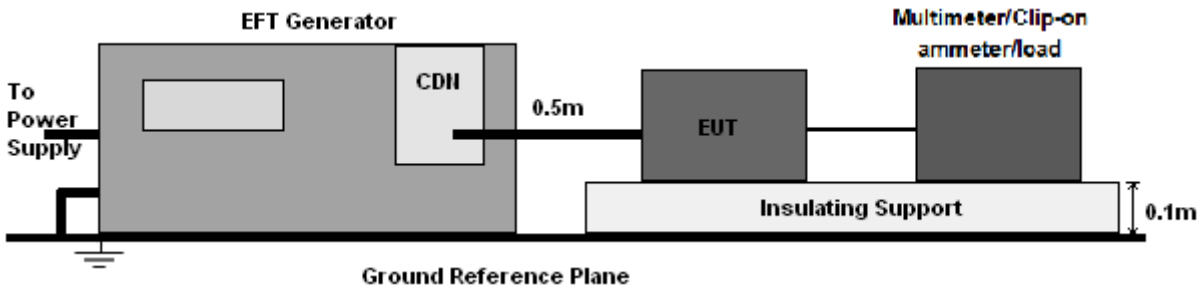
13. Electrical fast transients/burst (EFT)

13.1 Test Specification

Test Port	:	input AC power port
Impulse Frequency	:	5 kHz
Impulse Wave-shape	:	5/50 ns
Burst Duration	:	15 ms
Burst Period	:	300 ms
Test Duration	:	2 minutes per polarity

13.2 Block Diagram of EUT Test Setup

For input AC power port:



13.3 Test Procedure

a. The Product and support units were located on a non-conductive table above ground reference plane.
b. A 0.5m-long power cord was attached to Product during the test.

13.4 Test Results

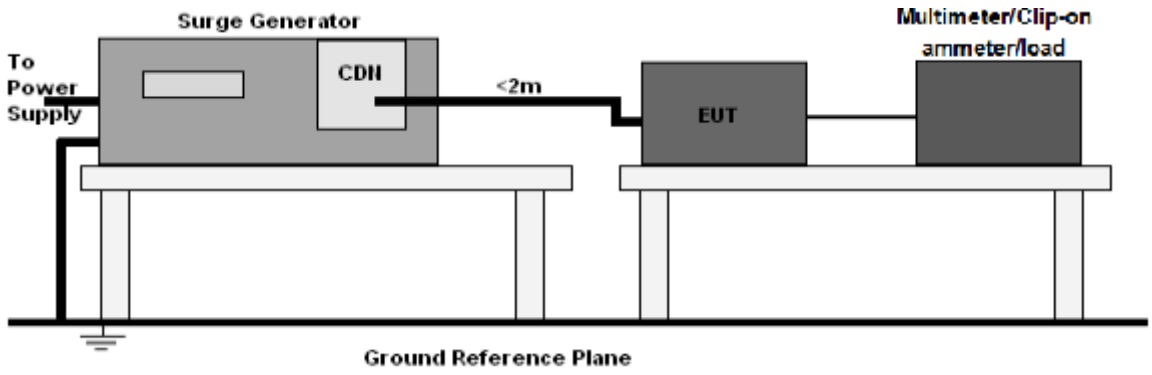
EUT power supply is provided by DC, is not applicable in this test report.

14. Surges Immunity Test

14.1 Test Specification

Test Port	:	input AC power port
Wave-Shape	:	Open Circuit Voltage - 1.2 / 50 us Short Circuit Current - 8 / 20 us
Pulse Repetition Rate	:	1 pulse / min.
Phase Angle	:	0° / 90° / 180° / 270°
Test Events	:	5 pulses (positive & negative) for each polarity

14.2 Block Diagram of EUT Test Setup



14.3 Test Procedure

a. The surge is to be applied to the Product power supply terminals via the capacitive coupling network. Decoupling networks are required in order to avoid possible adverse effects on equipment not under test that may be powered by the same lines, and to provide sufficient decoupling impedance to the surge wave.
b. The power cord between the Product and the coupling/decoupling networks shall be 2 meters in length (or shorter). Interconnection line between the Product and the coupling/decoupling networks shall be 2 meters in length (or shorter).

14.4 Test Result

EUT power supply is provided by DC, is not applicable in this test report.

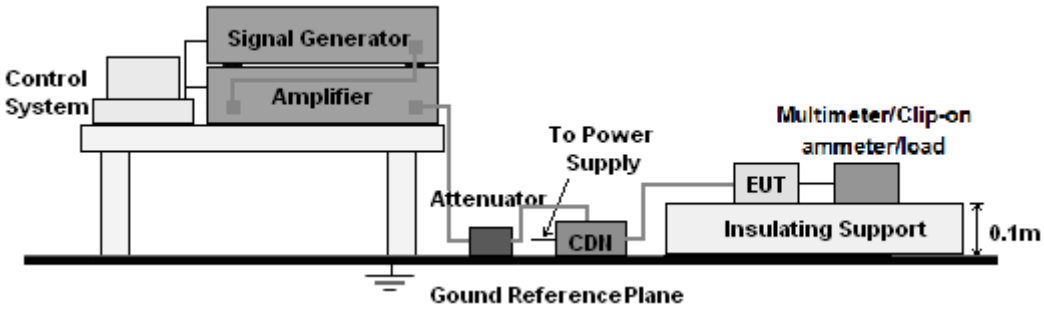
15. Continuous Induced RF Disturbances (CS)

15.1 Test Specification

Test Port	:	input AC. power port
		analogue/digital data port
Step Size	:	1%
Modulation	:	1kHz, 80% AM
Dwell Time	:	1 second

15.2 Block Diagram of EUT Test Setup

For input AC power port:



15.3 Test Procedure

For input AC power port:
a. The Product and support units were located at a ground reference plane with the interposition of a 0.1 m thickness insulating support and the CDN was located on GRP directly.
b. The frequency range is swept from 150 kHz to 10MHz, 10MHz to 30MHz, 30MHz to 80MHz with the signal 80% amplitude modulated with a 1 kHz sine wave, and the step size was 1% of fundamental.
c. The dwell time at each frequency shall be not less than the time necessary for the Product to be able to respond.

15.4 Test Result

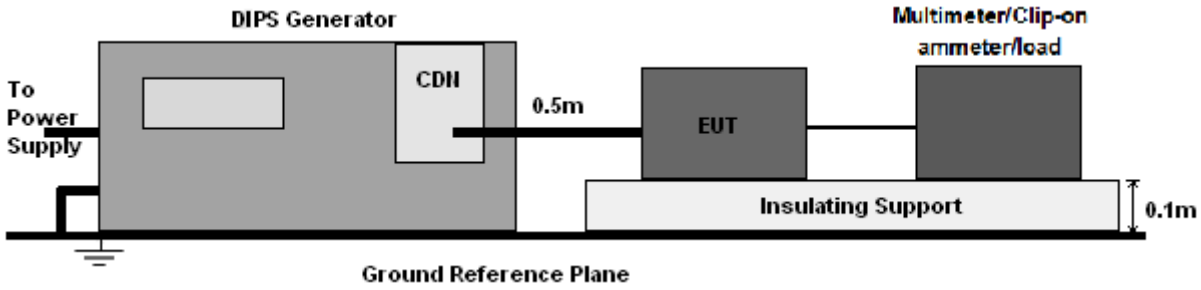
EUT power supply is provided by DC, is not applicable in this test report.

16. Voltage dips and interruptions (DIPS)

16.1 Test Specification

Test Port	:	input AC power port
Phase Angle	:	0°, 180°
Test cycle	:	3 times

16.2 Block Diagram of EUT Test Setup



16.3 Test Procedure

a. The Product and support units were located on a non-conductive table above ground floor.
b. Set the parameter of tests and then perform the test software of test simulator.
c. Conditions changes to occur at 0 degree crossover point of the voltage waveform.

16.4 Test Result

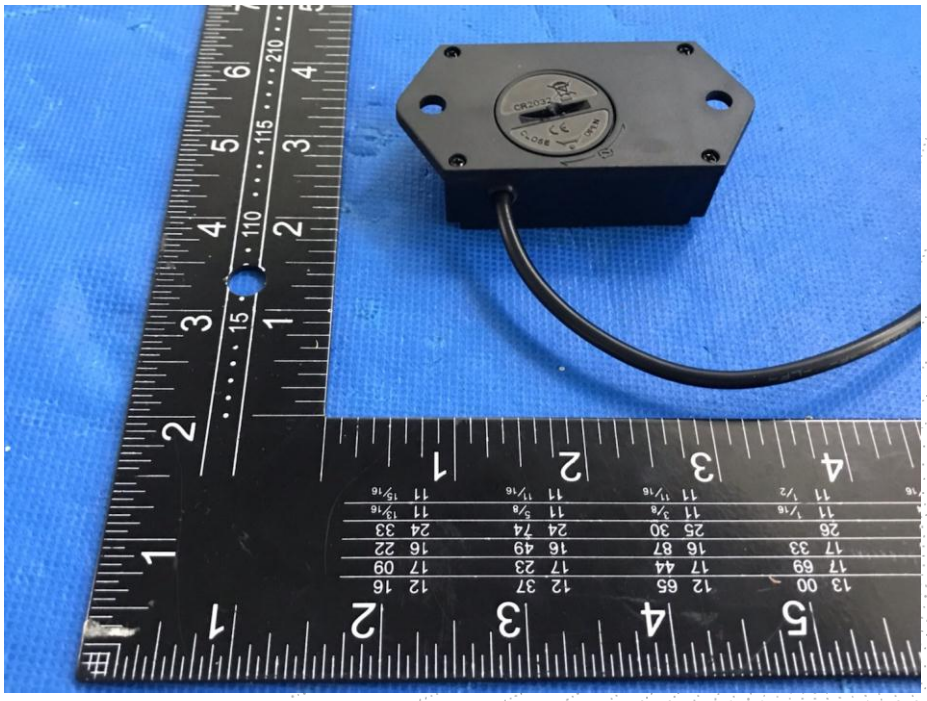
EUT power supply is provided by DC, is not applicable in this test report.

17. EUT Photographs

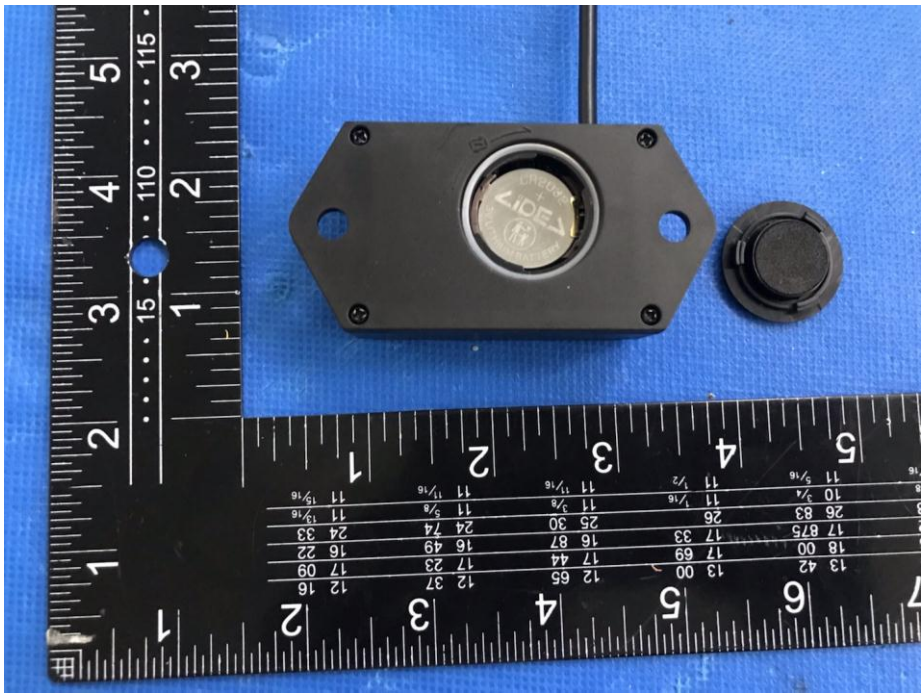
EUT Photo 1



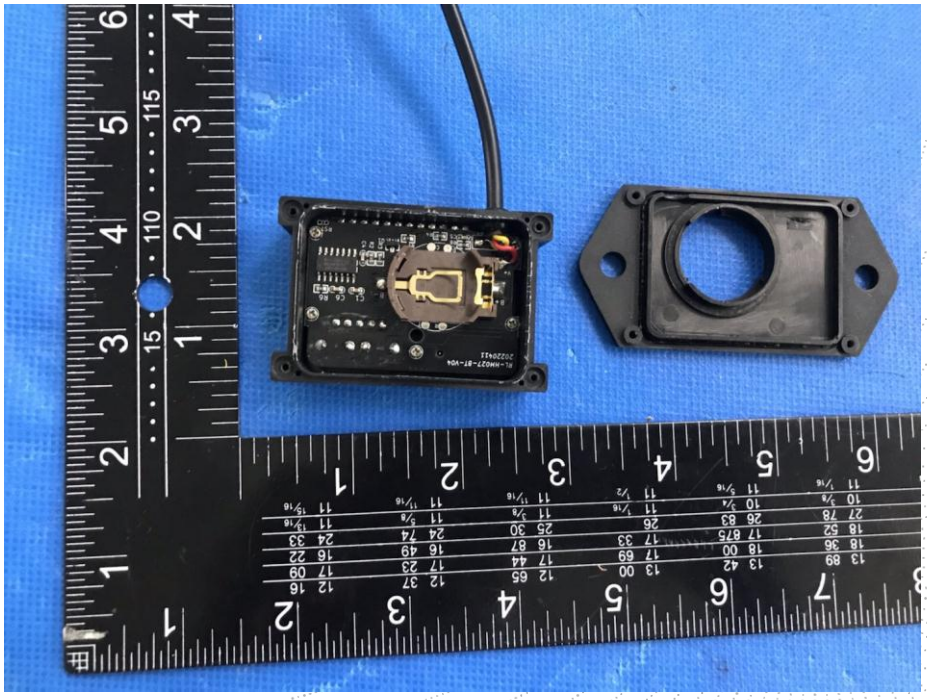
EUT Photo 2



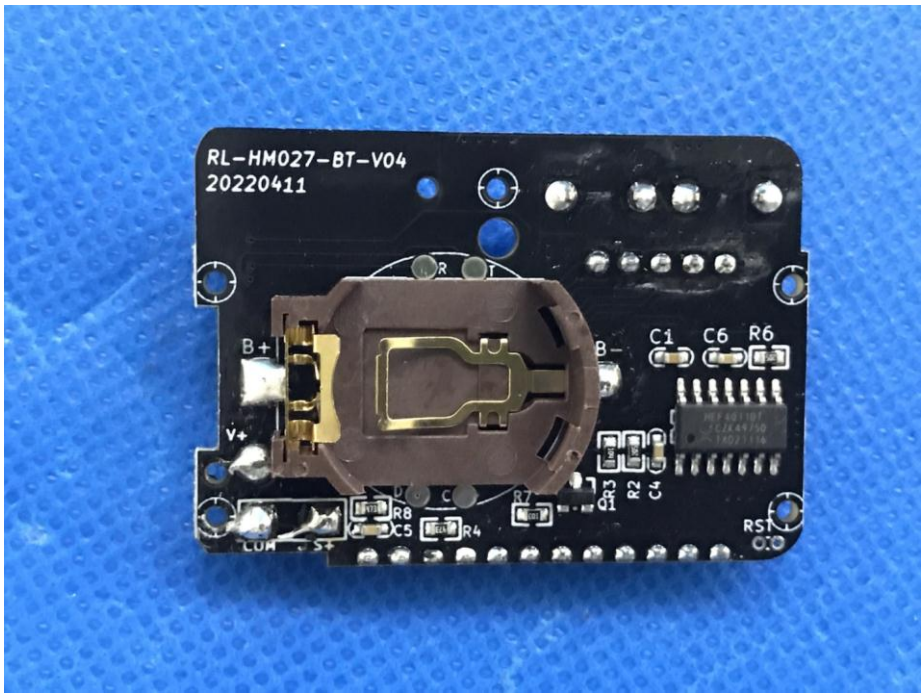
EUT Photo 3



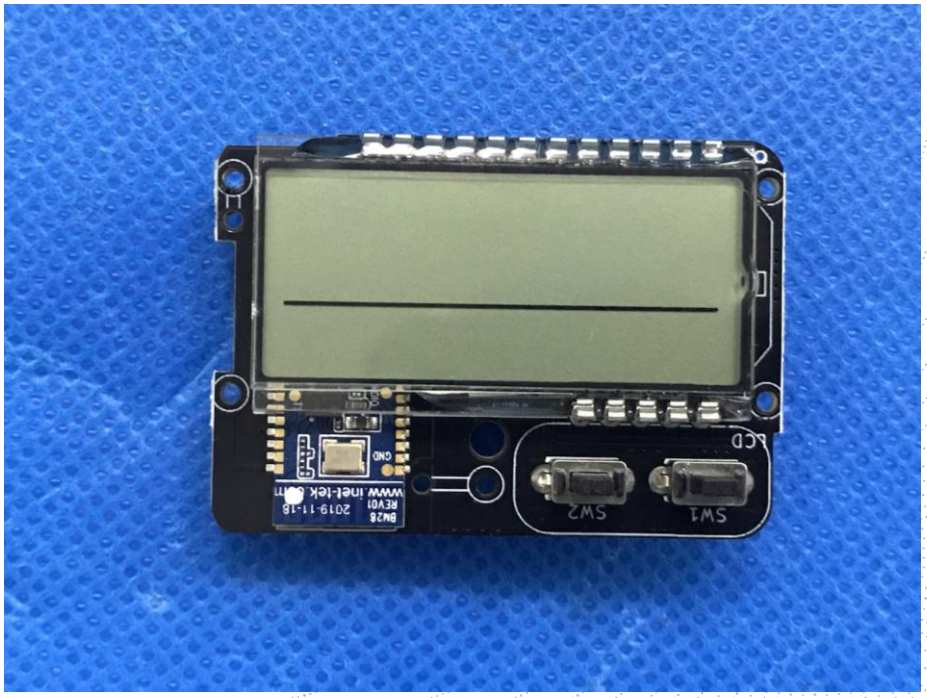
EUT Photo 4



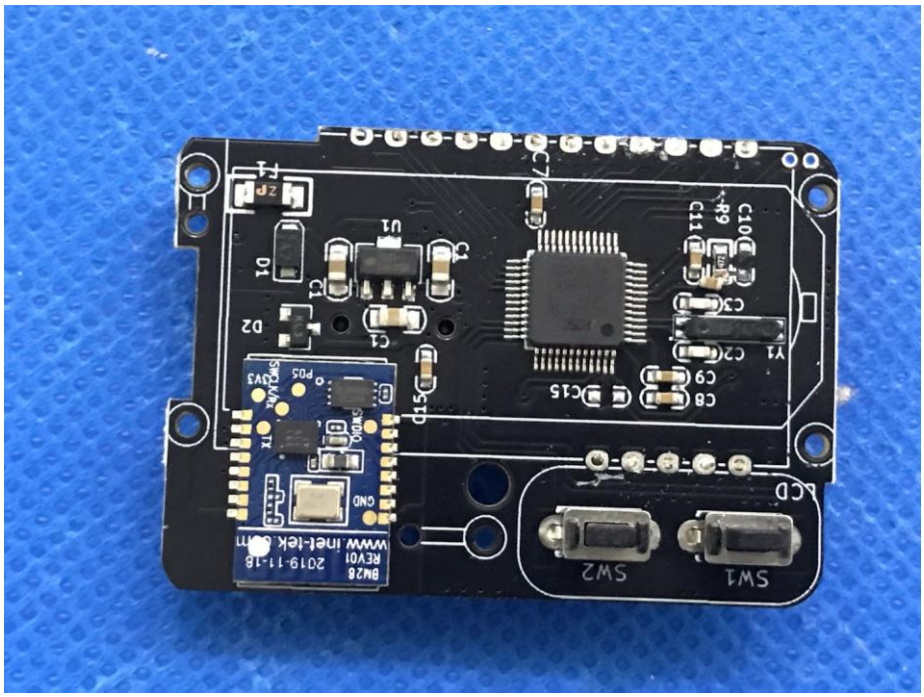
EUT Photo 5



EUT Photo 6



EUT Photo 7

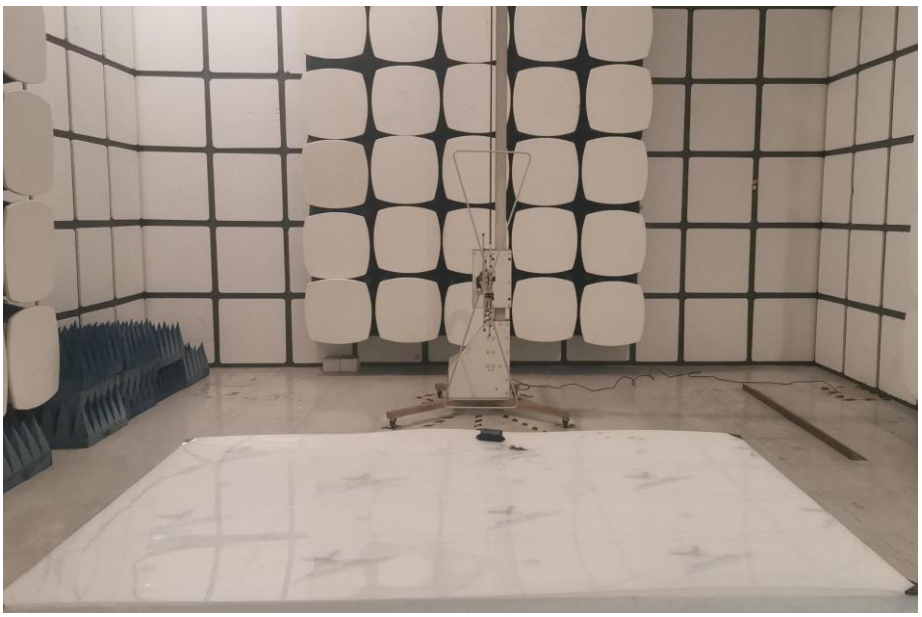


EUT Photo 8

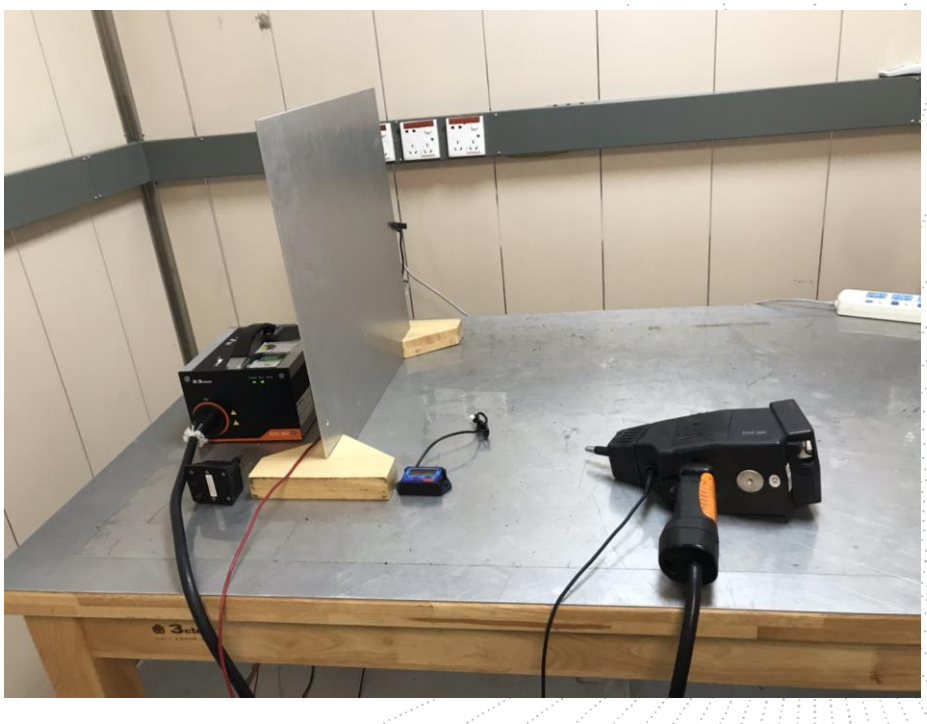


18. EUT Test Setup Photographs

Radiated emissions



ESD



STATEMENT

1.The equipment lists are traceable to the national reference standards.

2.The test report can not be partially copied unless prior written approval is issued from our lab.

3.The test report is invalid without stamp of laboratory.

4.The test report is invalid without signature of person(s) testing and authorizing.

5.The test process and test result is only related to the Unit Under Test.

6.The quality system of our laboratory is in accordance with ISO/IEC17025.

7.If there is any objection to report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

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TEL：400-788-9558

P.C.: 518103

FAX：0755-33229357

Website：http://www.chnbctc.com

E-Mail：bctc@bctc-lab.com.cn

※※※※※ **END** ※※※※※