

# FCC Test Report

Report No.: AGC10423170803FE05

**FCC ID** : 2ADSH-UMV3BTZU  
**APPLICATION PURPOSE** : Original Equipment  
**PRODUCT DESIGNATION** : Universal Module V3  
**BRAND NAME** : Danalock  
**MODEL NAME** : UMV3-BTZU  
**CLIENT** : Poly-Control ApS  
**DATE OF ISSUE** : Jan. 19, 2018  
**STANDARD(S)** : FCC Part 15.249  
**TEST PROCEDURE(S)** :  
**REPORT VERSION** : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd



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### REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Jan. 19, 2018	Valid	Initial Release

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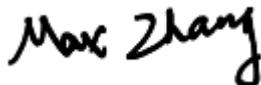
## 1. VERIFICATION OF CONFORMITY

<b>Applicant</b>	Poly-Control ApS
<b>Address</b>	Gammel Stillingvej 427C, DK-8462 Harley J, Denmark
<b>Manufacturer</b>	Xiamen CMM CO., LTD.
<b>Address</b>	No.136 Xin Guang Road, Haicang District   Xiamen city, Fujian Province, P.R. China
<b>Product Designation</b>	Universal Module V3
<b>Brand Name</b>	Danalock
<b>Test Model</b>	UMV3-BTZU
<b>Date of test</b>	Jan. 16, 2018 to Jan. 19, 2018
<b>Deviation</b>	None
<b>Condition of Test Sample</b>	Normal
<b>Test Result</b>	Pass
<b>Report Template</b>	AGCRT-US-BGN/RF

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with radiated emission limits of FCC part 15.249.

Tested by



Max Zhang(Zhang Yi)

Jan. 19, 2018

Reviewed by



Bart Xie(Xie Xiaobin)

Jan. 19, 2018

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## 2. GENERAL INFORMATION

### 2.1. PRODUCT DESCRIPTION

The EUT is designed as "Universal Module V3". It is designed by way of utilizing the OQPSK technology to achieve the system operation.

A major technical description of EUT is described as following

<b>Operation Frequency</b>	908.4MHz, 916.0MHz
<b>Output Power</b>	88.13dBuV/m @ 3m(Average)
<b>Modulation</b>	OQPSK
<b>Number of channels</b>	2
<b>Hardware Version</b>	101-026_D1
<b>Software Version</b>	0.6.0
<b>Antenna Designation</b>	Fixed Antenna (Met 15.203 Antenna requirement)
<b>Antenna Gain</b>	-4.2dBi
<b>Power Supply</b>	DC 12V

### 2.2. RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for **FCC ID: 2ADSH-UMV3BTZU** filing to comply with the FCC PART 15.249 requirements.

### 2.3. TEST METHODOLOGY

Both conducted and radiated testing was performed according to the procedures in ANSI C63.10 (2013). Radiated testing was performed at an antenna to EUT distance 3 meters.

### 2.4. SPECIAL ACCESSORIES

Refer to section 5.2.

### 2.5. EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

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### 3. MEASUREMENT UNCERTAINTY

The uncertainty is calculated using the methods suggested in the "Guide to the Expression of Uncertainty in measurement" (GUM) published by CISPR and ANSI.

- Uncertainty of Conducted Emission,  $U_c = \pm 3.2 \text{ dB}$
- Uncertainty of Radiated Emission below 1GHz,  $U_c = \pm 3.9 \text{ dB}$
- Uncertainty of Radiated Emission above 1GHz,  $U_c = \pm 4.8 \text{ dB}$



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#### 4. DESCRIPTION OF TEST MODES

NO.	TEST MODE DESCRIPTION
1	Low channel TX
2	High channel TX

**Note:**

1. The EUT has been set to operate continuously on the lowest, middle and highest operation frequency individually, and the eut is operating at its maximum duty cycle>or equal 98%
2. All modes under which configure applicable have been tested and the worst mode test data recording in the test report, if no other mode data.
3. For Radiated Emission, 3axis were chosen for testing for each applicable mode.

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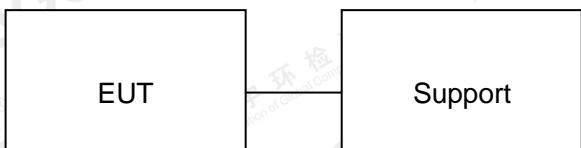
## 5. SYSTEM TEST CONFIGURATION

### 5.1. CONFIGURATION OF EUT SYSTEM

Radiated Emission Configure :



Conducted Emission Configure :



### 5.2. EQUIPMENT USED IN EUT SYSTEM

Item	Equipment	Model No.	ID or Specification	Remark
1	Universal Module V3	UMV3-BTZU	2ADSH-UMV3BTZU	EUT
2	Adapter	FJ-SW1161200500	DC12V/500mA	Support

### 5.3. SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT
§15.249	Radiated Emission	Compliant
§15.215	-20dB Bandwidth	Compliant
§15.207	Conducted Emission	Compliant

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## 6. TEST FACILITY

<b>Test Site</b>	Attestation of Global Compliance (Shenzhen) Co., Ltd
<b>Location</b>	1-2F., Bldg.2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Bao'an District B112-B113, Bldg.12, Baoan Bldg Materials Center, No.1 of Xixiang Inner Ring Road, Baoan District, Shenzhen 518012
<b>NVLAP LAB CODE</b>	600153-0
<b>Designation Number</b>	CN5028
<b>FCC Test Firm Registration Number</b>	682566
<b>Description</b>	Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by National Voluntary Laboratory Accreditation program, NVLAP Code 600153-0

## TEST EQUIPMENT OF RADIATED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESCI	10096	Jun.20, 2017	Jun.19, 2018
EXA Signal Analyzer	Agilent	N9010A	MY53470504	Dec.08, 2017	Dec.07, 2018
Horn antenna	SCHWARZBECK	BBHA 9170	#768	Sep.20, 2017	Sep.19, 2018
preamplifier	ChengYi	EMC184045SE	980508	Sep.15, 2017	Sep.14, 2018
Active loop antenna (9K-30MHz)	A.H.	SAS-562B	N/A	Mar.01, 2016	Feb.28, 2018
Double-Ridged Waveguide Horn	ETS LINDGREN	3117	00034609	May.18, 2017	May.17, 2019
Broadband Preamplifier	SCHWARZBECK	BBV 9718	9718-205	Jun.20, 2017	Jun.19, 2018
ANTENNA	SCHWARZBECK	VULB9168	D69250	Sep.28, 2017	Sep.27, 2018

## TEST EQUIPMENT OF CONDUCTED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESPI	101206	Jun.20, 2017	Jun.19, 2018
LISN	R&S	ESH2-Z5	100086	Aug.21, 2017	Aug.20, 2018

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## 7. RADIATED EMISSION

### 7.1. MEASUREMENT PROCEDURE

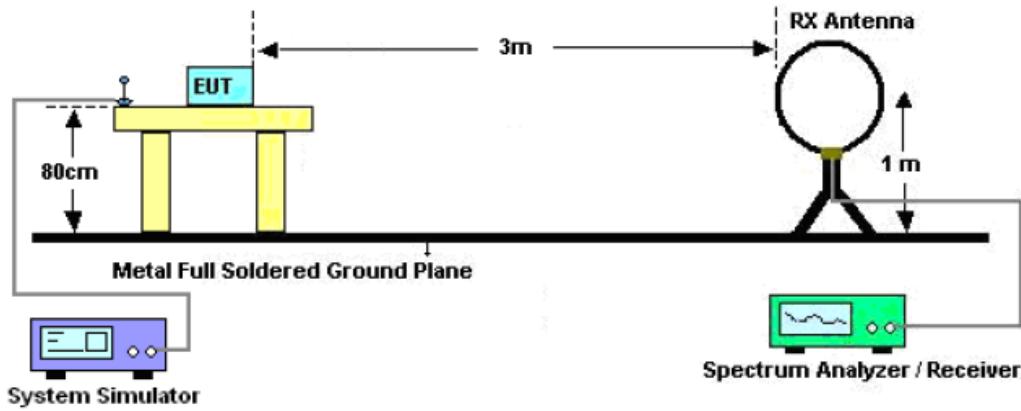
1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use 1MHz VBW and 3MHz RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
7. When the radiated emissions limits are expressed in terms of the average value of the emissions, 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 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High - Low scan is not required in this case.

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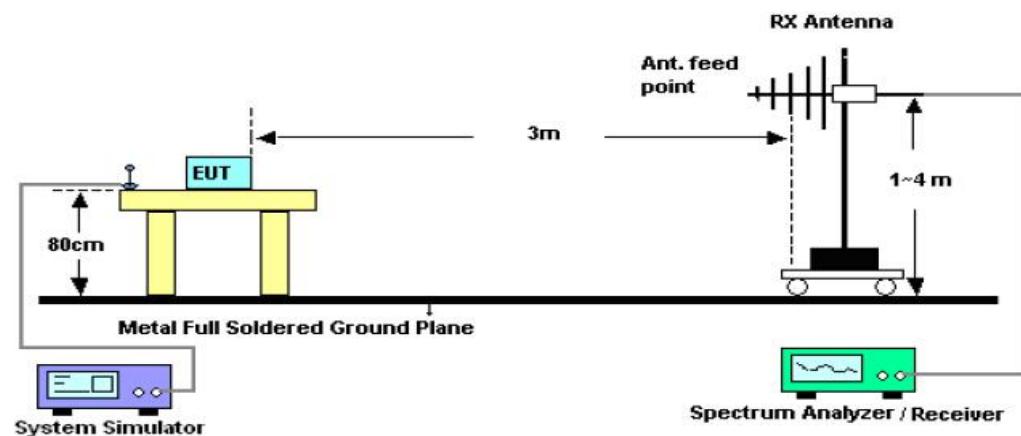


## 7.2. TEST SETUP

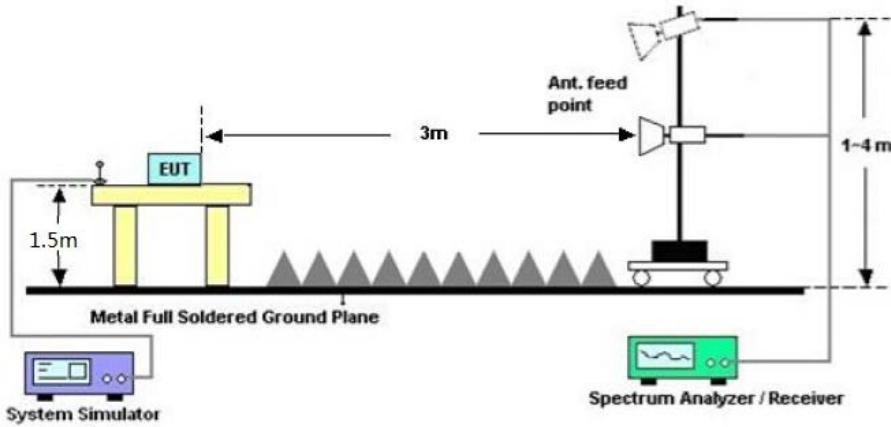
### Radiated Emission Test-Setup Frequency Below 30MHz



### RADIATED EMISSION TEST SETUP 30MHz-1000MHz



### RADIATED EMISSION TEST SETUP ABOVE 1000MHz



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### 7.3. LIMITS AND MEASUREMENT RESULT

FCC part 15.209 Limit in the below table has to be followed

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Note: All modes were tested For restricted band radiated emission,  
the test records reported below are the worst result compared to other modes.

### 7.4. TEST RESULT

#### RADIATED EMISSION BELOW 30MHZ

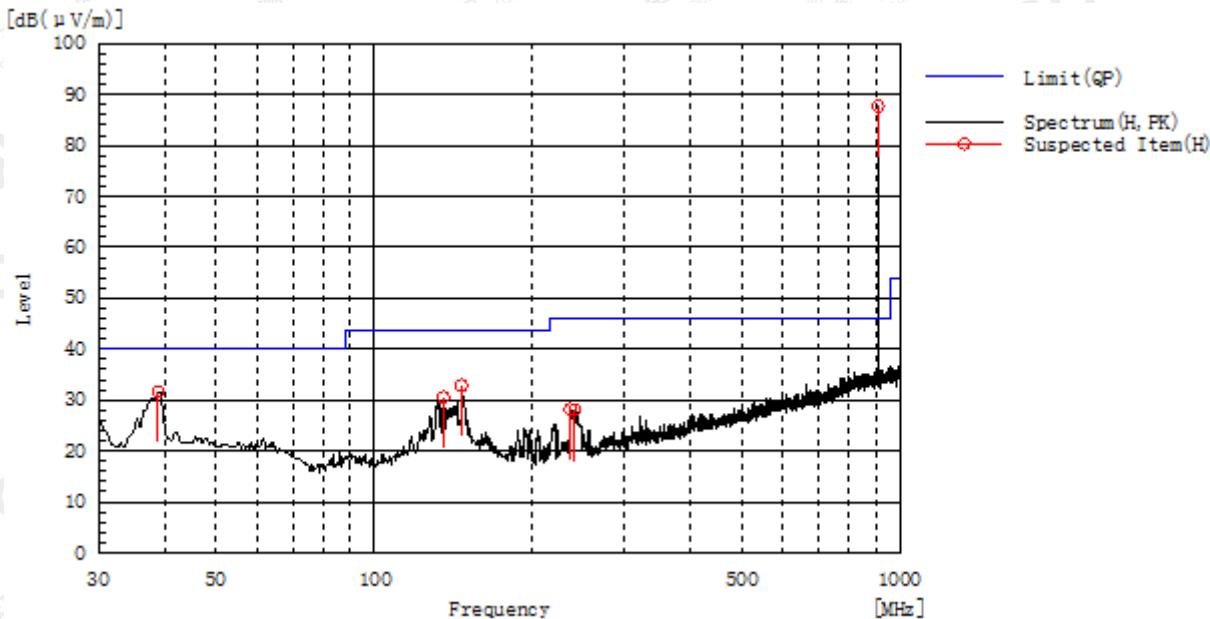
No emission found between lowest internal used/generated frequencies to 30MHz.

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**Emissions radiated outside of the specified frequency bands, except for harmonic emissions**

<b>EUT</b>	UNIVERSAL MODULE V3	<b>Model Name</b>	UMV3-BTZU
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Horizontal



Frequency MHz	Polarization	Reading dB(uV)	Factor dB (1/m)	Level dB(uV/m) PK	Limit dB(uV/m) QP	Margin dB	Pass/Fail	Height cm	Angle deg
38.730	H	14.4	17.3	31.7	40.0	8.3	Pass	100.0	88.0
135.245	H	14.1	16.5	30.6	43.5	12.9	Pass	100.0	340.3
146.400	H	16.3	16.6	32.9	43.5	10.6	Pass	200.0	214.4
235.640	H	12.2	16.1	28.3	46.0	17.7	Pass	200.0	214.4
240.490	H	11.9	16.2	28.1	46.0	17.9	Pass	100.0	267.4
908.400	H	57.4	30.3	87.7	114.0	26.3	Pass	200.0	284.9

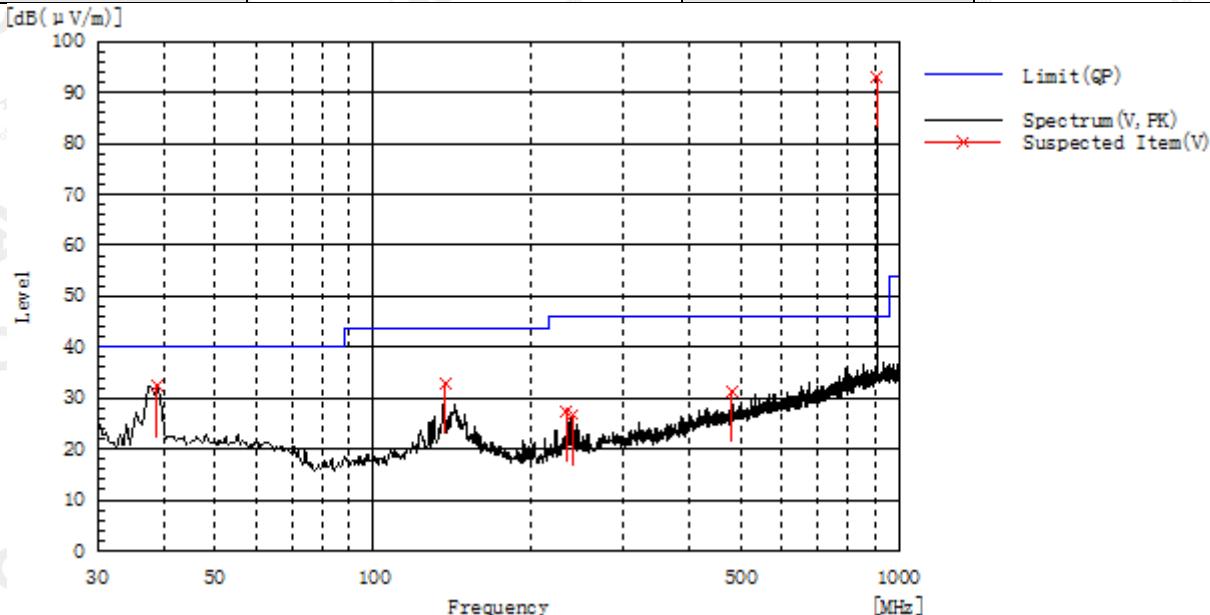
**RESULT: PASS**

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<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Vertical



Frequency MHz	Polarization	Reading dB(uV)	Factor dB(1/m)	Level dB(uV/m) PK	Limit dB(uV/m) QP	Margin dB	Pass/Fail	Height cm	Angle deg
38.730	V	15.1	17.3	32.4	40.0	7.6	Pass	100.0	198.1
136.700	V	16.3	16.6	32.9	43.5	10.6	Pass	150.0	72.1
233.215	V	11.4	15.9	27.3	46.0	18.7	Pass	150.0	217.6
239.035	V	10.6	16.2	26.8	46.0	19.2	Pass	200.0	215.1
908.400	V	62.8	30.3	93.1	114.0	20.9	Pass	100.0	89.6
480.080	V	8.7	22.6	31.3	46.0	14.7	Pass	100.0	53.2

## RESULT: PASS

### Note:

1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.
2. The "Factor" value can be calculated automatically by software of measurement system.
3. All test modes had been tested. The Mode 1 is the worst case and recorded in the report.
4. Other emissions except for harmonic emissions from 1G to 9.3 GHz are considered as ambient noise. No recording in the test report.

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## The field strength of fundamental and harmonic emissions

<b>EUT</b>	UNIVERSAL MODULE V3	<b>Model Name</b>	UMV3-BTZU
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Horizontal

Frequency	Reading Level	Factor	Emission Level	Limit	Margin	Value type
(MHz)	(dB $\mu$ V)	(dB/m)	(dB $\mu$ V/m)	(dB $\mu$ V/m)	(dB)	
908.400	57.45	30.30	87.75	114.00	26.25	Peak
908.400	52.31	30.30	82.61	94.00	11.39	Average
1816.800	48.26	-1.72	46.54	74.00	27.46	Peak
1816.800	42.57	-1.72	40.85	54.00	13.15	Average
2725.200	40.72	3.42	44.14	74.00	29.86	Peak
2725.200	35.3	3.42	38.72	54.00	15.28	Average

<b>EUT</b>	UNIVERSAL MODULE V3	<b>Model Name</b>	UMV3-BTZU
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Vertical

Frequency	Reading Level	Factor	Emission Level	Limit	Margin	Value type
(MHz)	(dB $\mu$ V)	(dB/m)	(dB $\mu$ V/m)	(dB $\mu$ V/m)	(dB)	
908.400	63.18	30.30	93.48	114.00	20.52	Peak
908.400	57.83	30.30	88.13	94.00	5.87	Average
1816.800	48.97	-1.72	47.25	74.00	26.75	Peak
1816.800	43.76	-1.72	42.04	54.00	11.96	Average
2725.200	40.12	3.42	43.54	74.00	30.46	Peak
2725.200	34.79	3.42	38.21	54.00	15.79	Average

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<b>EUT</b>	UNIVERSAL MODULE V3	<b>Model Name</b>	UMV3-BTZU
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 2	<b>Antenna</b>	Horizontal

Frequency	Reading Level	Factor	Emission Level	Limit	Margin	Value type
(MHz)	(dB $\mu$ V)	(dB/m)	(dB $\mu$ V/m)	(dB $\mu$ V/m)	(dB)	
916.000	56.55	30.30	86.85	114.00	27.15	Peak
916.000	51.42	30.30	81.72	94.00	12.28	Average
1832.000	48.25	-1.72	46.53	74.00	27.47	Peak
1832.000	42.96	-1.72	41.24	54.00	12.76	Average
2745.000	39.13	3.42	42.55	74.00	31.45	Peak
2745.000	34.07	3.42	37.49	54.00	16.51	Average

<b>EUT</b>	UNIVERSAL MODULE V3	<b>Model Name</b>	UMV3-BTZU
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 2	<b>Antenna</b>	Vertical

Frequency	Reading Level	Factor	Emission Level	Limit	Margin	Value type
(MHz)	(dB $\mu$ V)	(dB/m)	(dB $\mu$ V/m)	(dB $\mu$ V/m)	(dB)	
916.000	62.21	30.30	92.51	114.00	21.49	Peak
916.000	57.14	30.30	87.44	94.00	6.56	Average
1832.000	48.06	-1.72	46.34	74.00	27.66	Peak
1832.000	42.57	-1.72	40.85	54.00	13.15	Average
2745.000	38.7	3.42	42.12	74.00	31.88	Peak
2745.000	33.36	3.42	36.78	54.00	17.22	Average

**Note:**

Other harmonic emissions from 1G to 9.3 GHz are considered as ambient noise. No recording in the test report.

Factor = Antenna Factor + Cable loss - Amplifier gain, Over=Measure-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

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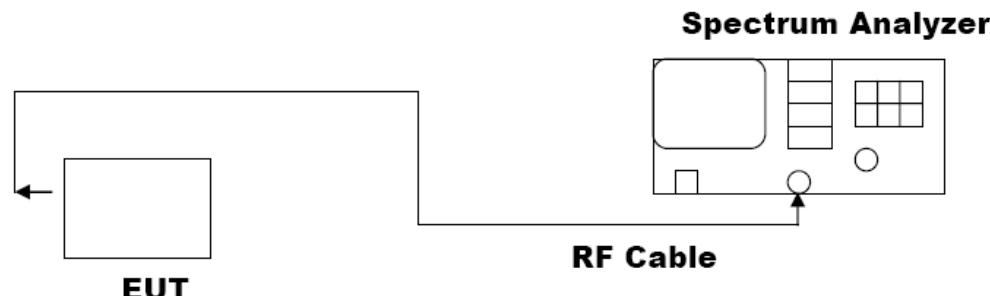


## 9. BANDWIDTH

### 9.1. MEASUREMENT PROCEDURE

1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
2. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
3. Set SPA Centre Frequency = Operation Frequency, RBW= 3 KHz, VBW $\geq 3 \times$  RBW.
4. Set SPA Trace 1 Max hold, then View.

### 9.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)



### 9.3. MEASUREMENT RESULTS

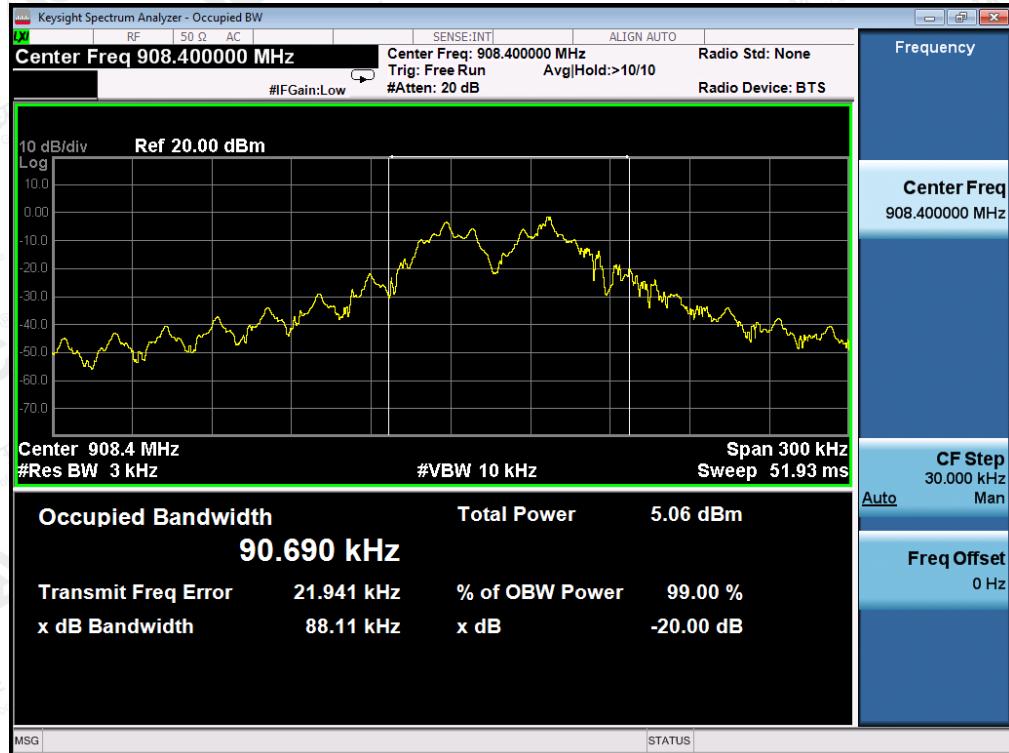
TEST ITEM	-20dB BANDWIDTH	
TEST MODULATION	OQPSK	

Test Data (KHz)		Criteria
Low Channel	88.11	PASS
High Channel	94.98	PASS

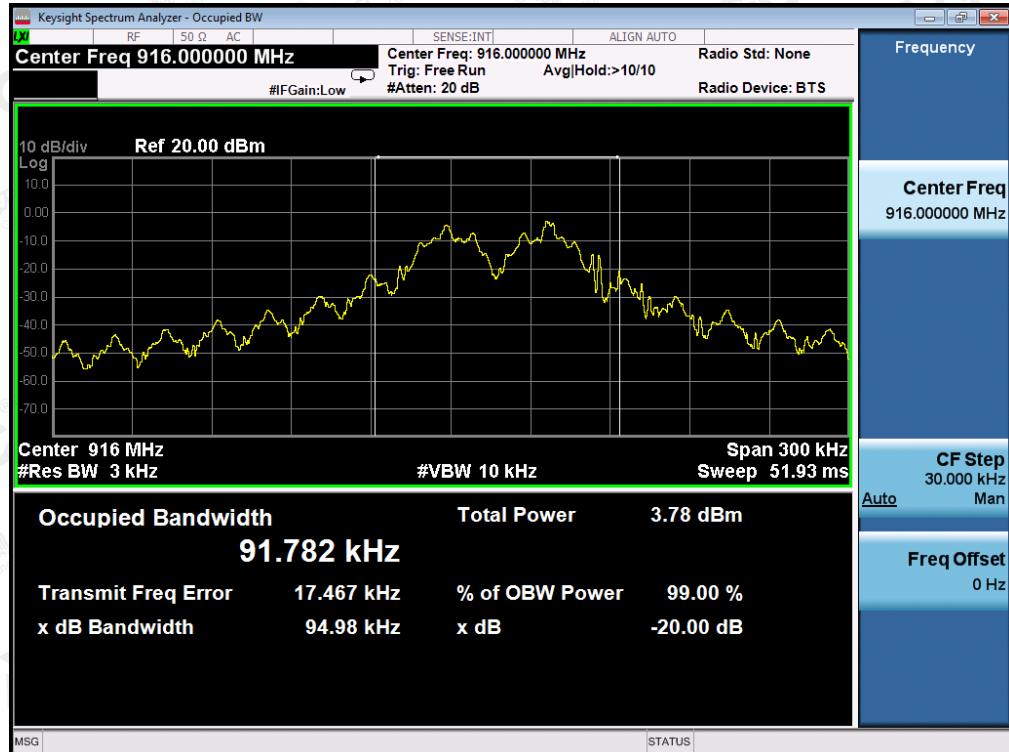
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TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



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## 10. FCC LINE CONDUCTED EMISSION TEST

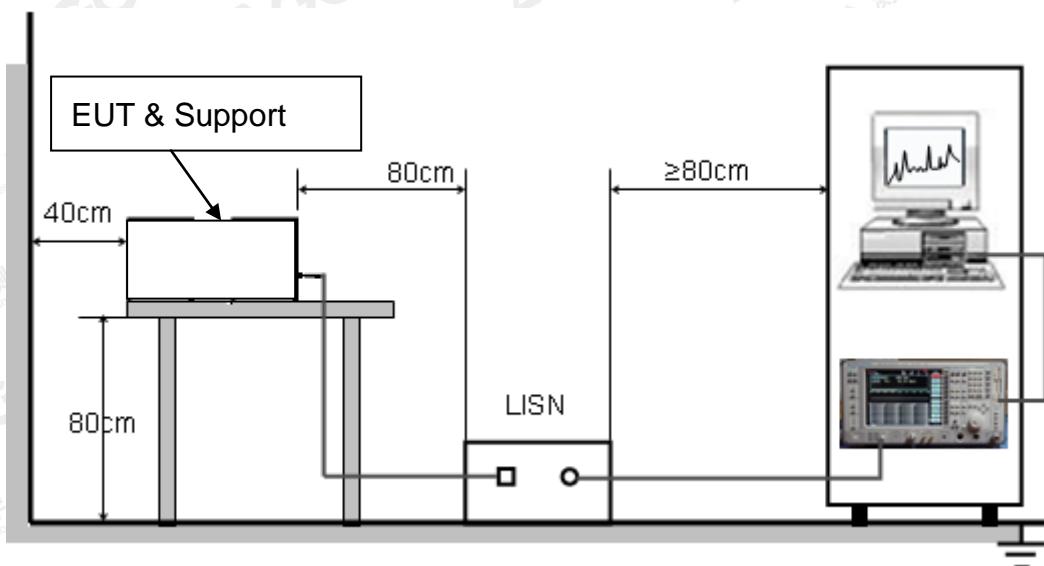
### 10.1. LIMITS OF LINE CONDUCTED EMISSION TEST

Frequency	Maximum RF Line Voltage	
	Q.P. ( dBuV)	Average ( dBuV)
150kHz~500kHz	66-56	56-46
500kHz~5MHz	56	46
5MHz~30MHz	60	50

Note:

1. The lower limit shall apply at the transition frequency.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50MHz.

### 10.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



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### 10.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
2. Support equipment, if needed, was placed as per ANSI C63.10.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
4. All support equipments received AC120VV/60Hz power from a LISN, if any.
5. The EUT received charging voltage by adapter which received 120V/60Hz power by a LISN..
6. The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
8. During the above scans, the emissions were maximized by cable manipulation.
9. The test mode(s) were scanned during the preliminary test.

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

### 10.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

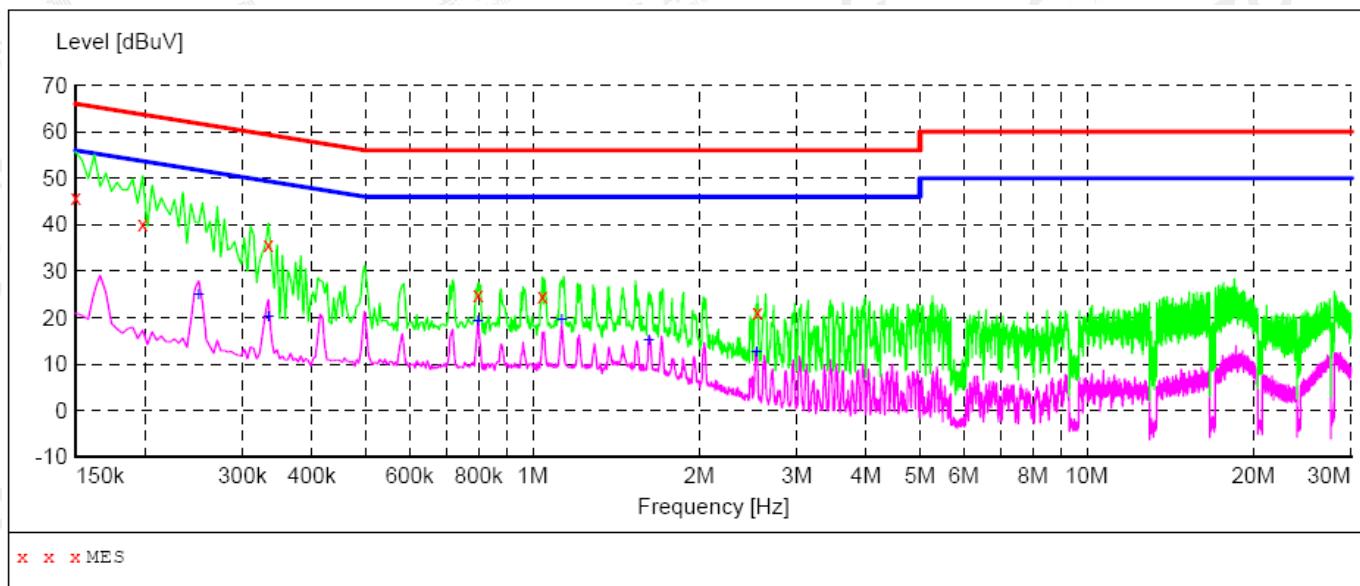
1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less -2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
3. The test data of the worst case condition(s) was reported on the Summary Data page.

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## 10.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

### LINE CONDUCTED EMISSION TEST-L



#### MEASUREMENT RESULT:

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.150000	45.90	11.4	66	20.1	QP	L1	GND
0.198000	40.20	11.4	64	23.5	QP	L1	GND
0.334000	35.60	11.3	59	23.8	QP	L1	GND
0.798000	24.80	11.4	56	31.2	QP	L1	GND
1.042000	24.70	11.3	56	31.3	QP	L1	GND
2.546000	21.10	11.3	56	34.9	QP	L1	GND

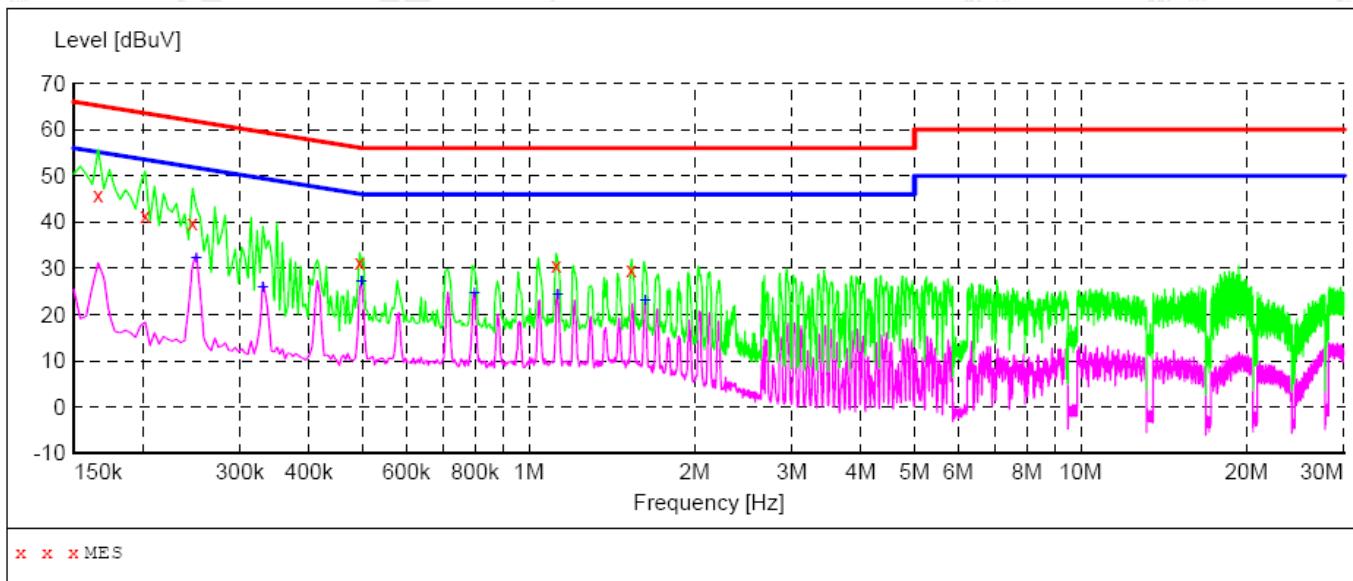
#### MEASUREMENT RESULT:

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.250000	24.90	11.3	52	26.9	AV	L1	GND
0.334000	20.30	11.3	49	29.1	AV	L1	GND
0.798000	19.40	11.4	46	26.6	AV	L1	GND
1.130000	19.50	11.3	46	26.5	AV	L1	GND
1.622000	15.10	11.3	46	30.9	AV	L1	GND
2.538000	12.70	11.3	46	33.3	AV	L1	GND

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### LINE CONDUCTED EMISSION TEST-N



#### MEASUREMENT RESULT:

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.166000	45.90	11.4	65	19.3	QP	N	GND
0.202000	41.30	11.4	64	22.2	QP	N	GND
0.246000	39.70	11.3	62	22.2	QP	N	GND
0.494000	31.20	11.4	56	24.9	QP	N	GND
1.122000	30.60	11.3	56	25.4	QP	N	GND
1.534000	29.60	11.3	56	26.4	QP	N	GND

#### MEASUREMENT RESULT:

Frequency MHz	Level dBuV	Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
0.250000	32.20	11.3	52	19.6	AV	N	GND
0.330000	26.00	11.3	50	23.5	AV	N	GND
0.498000	27.20	11.4	46	18.8	AV	N	GND
0.798000	24.50	11.4	46	21.5	AV	N	GND
1.130000	24.40	11.3	46	21.6	AV	N	GND
1.626000	23.10	11.3	46	22.9	AV	N	GND

#### RESULT: PASS

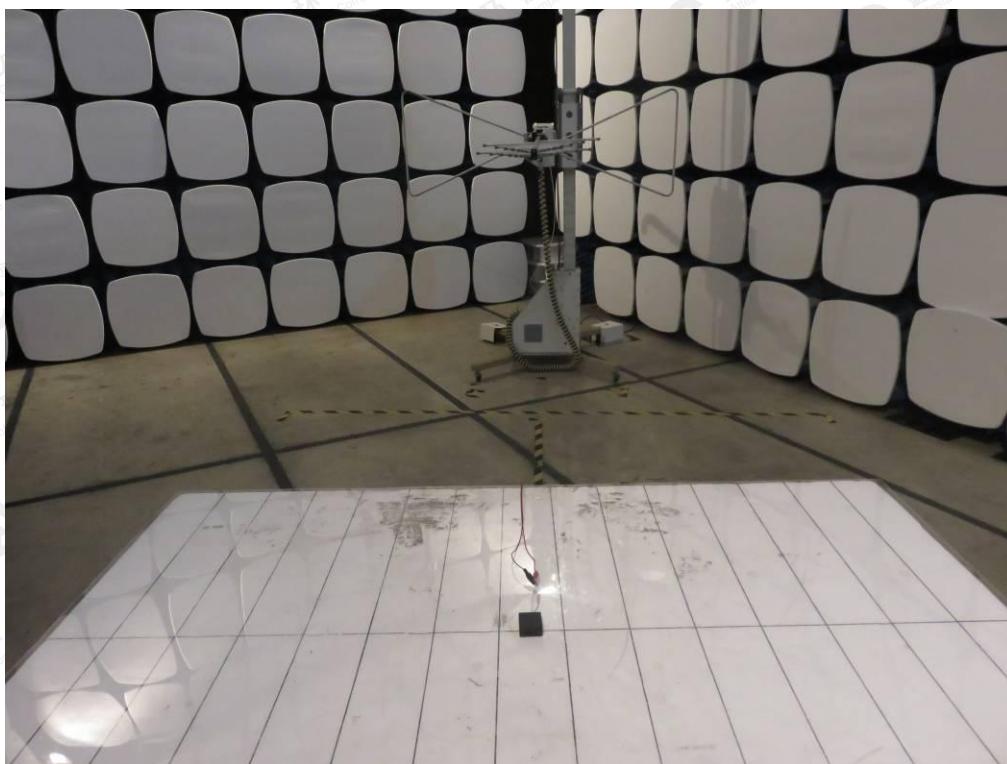
Note: The mode 1 is the worst case, and only the data of the worst case recorded in this test report.

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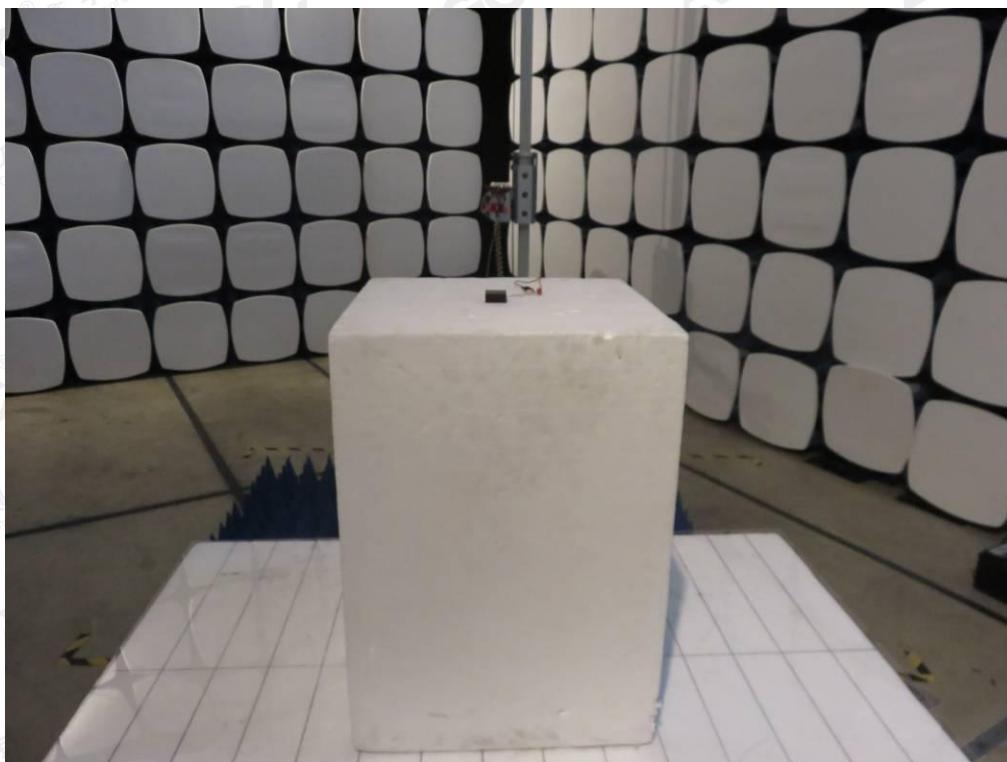


## APPENDIX A: PHOTOGRAPHS OF TEST SETUP

### RADIATED EMISSION TEST SETUP BELOW 1GHZ



RADIATED EMISSION TEST SETUP ABOVE 1GHZ



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FCC LINE CONDUCTED EMISSION TEST SETUP



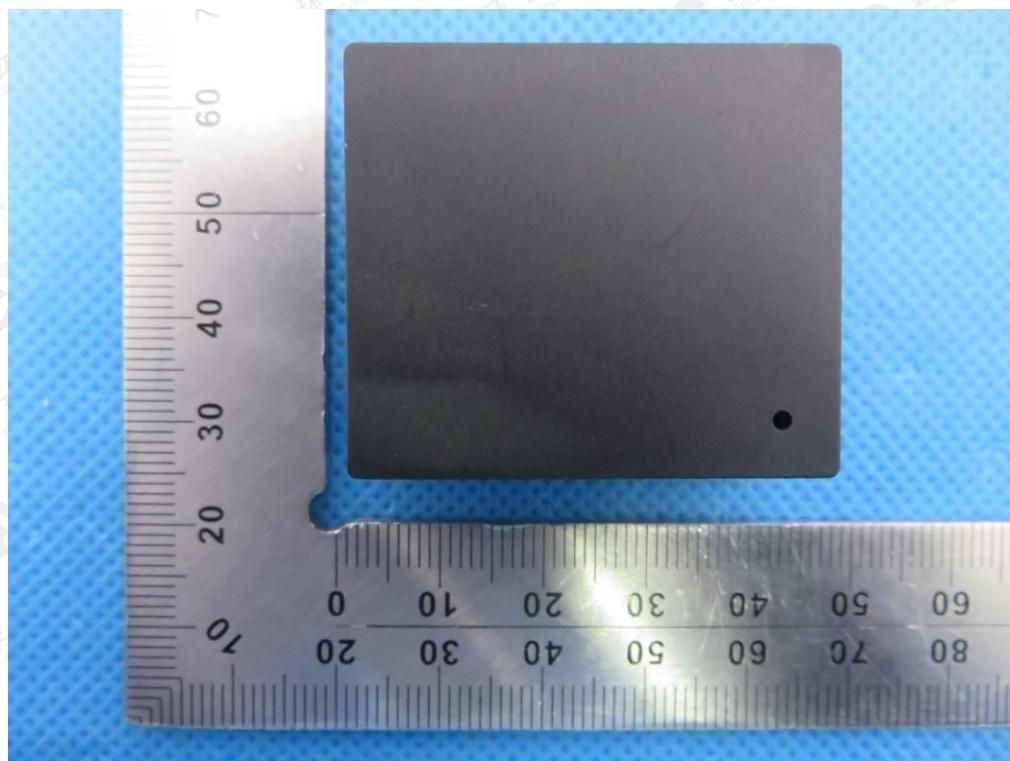
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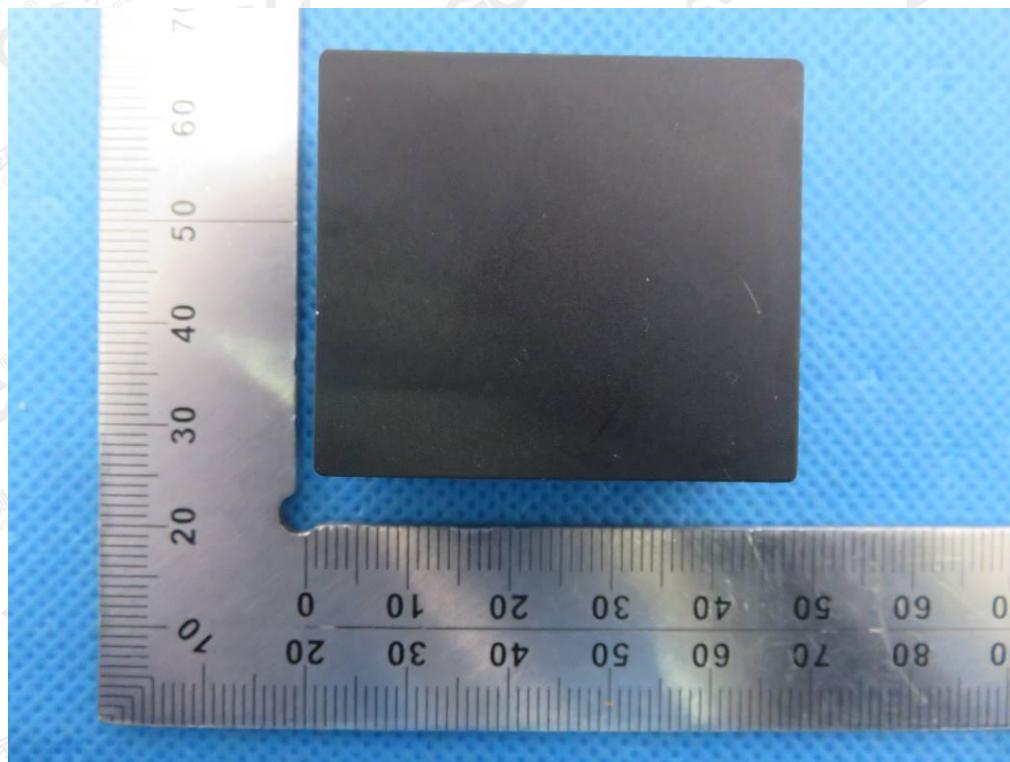
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**APPENDIX B: PHOTOGRAPHS OF EUT**  
**TOP VIEW OF EUT**



**BOTTOM VIEW OF EUT**



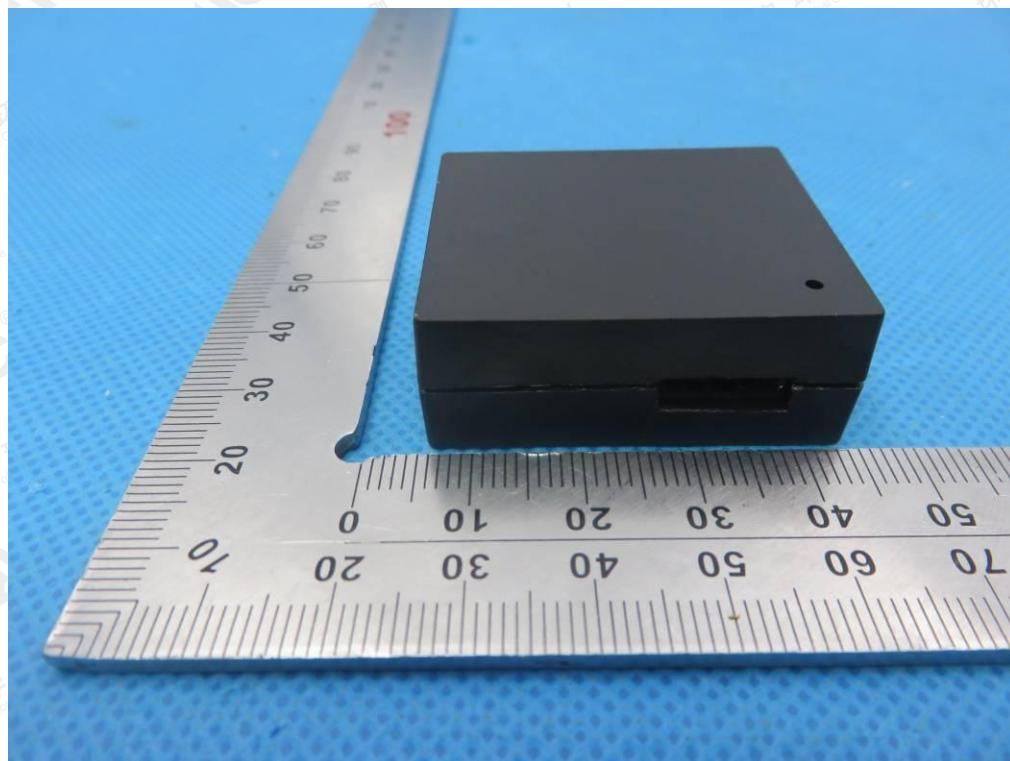
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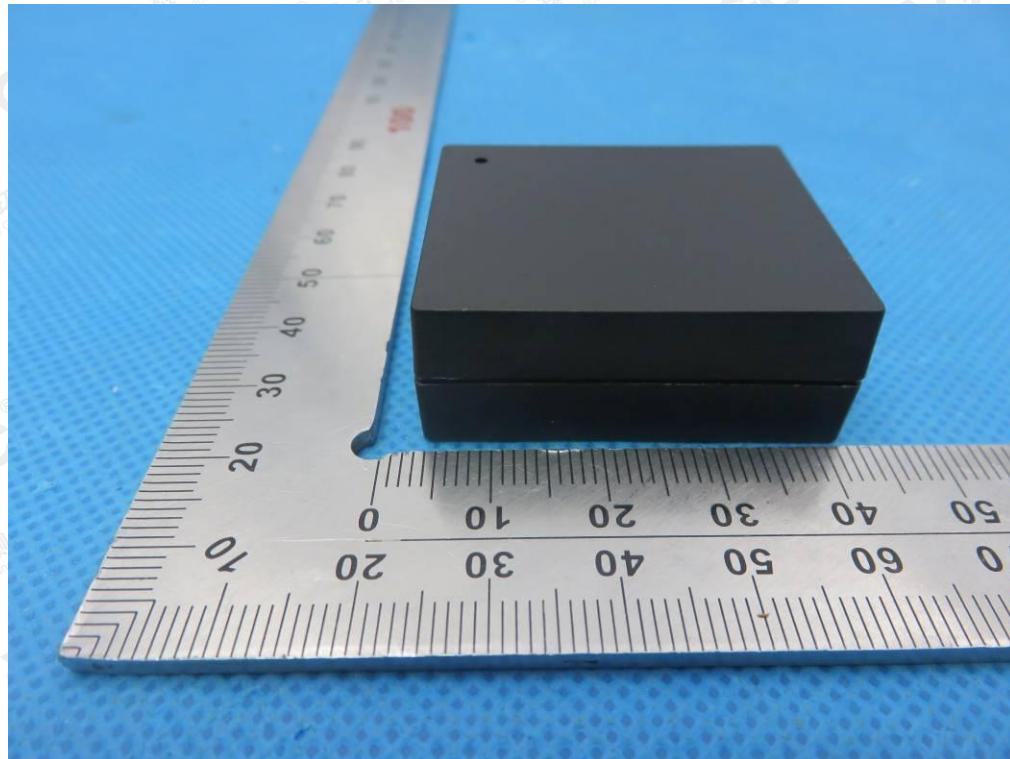
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## FRONT VIEW OF EUT



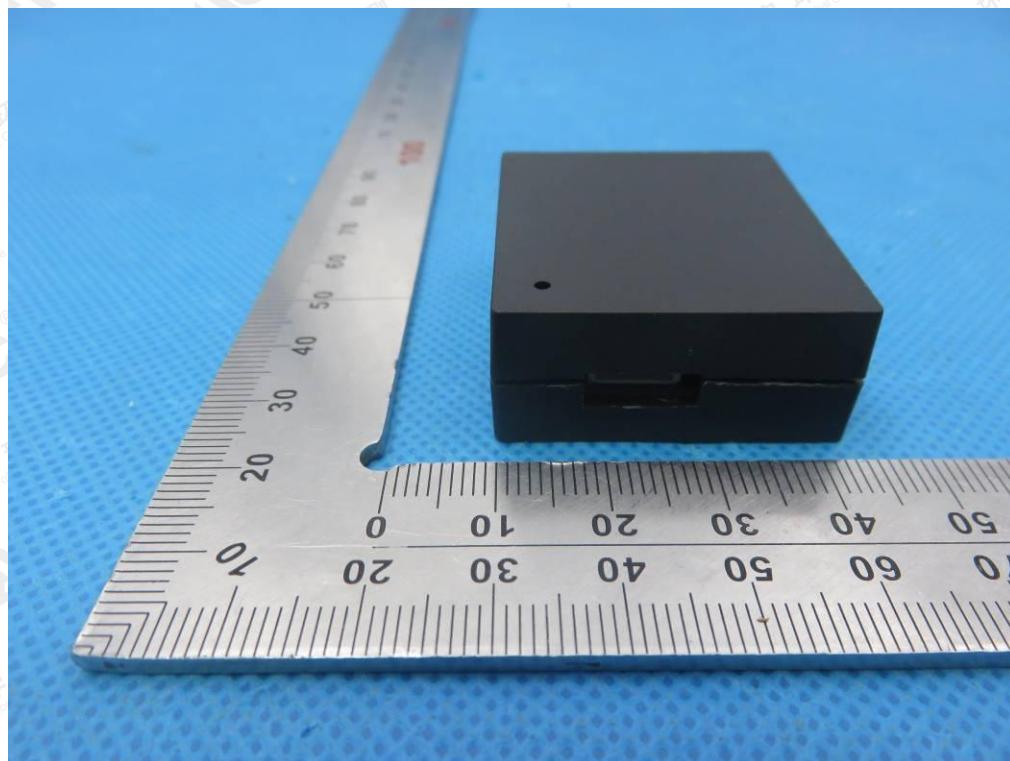
## BACK VIEW OF EUT



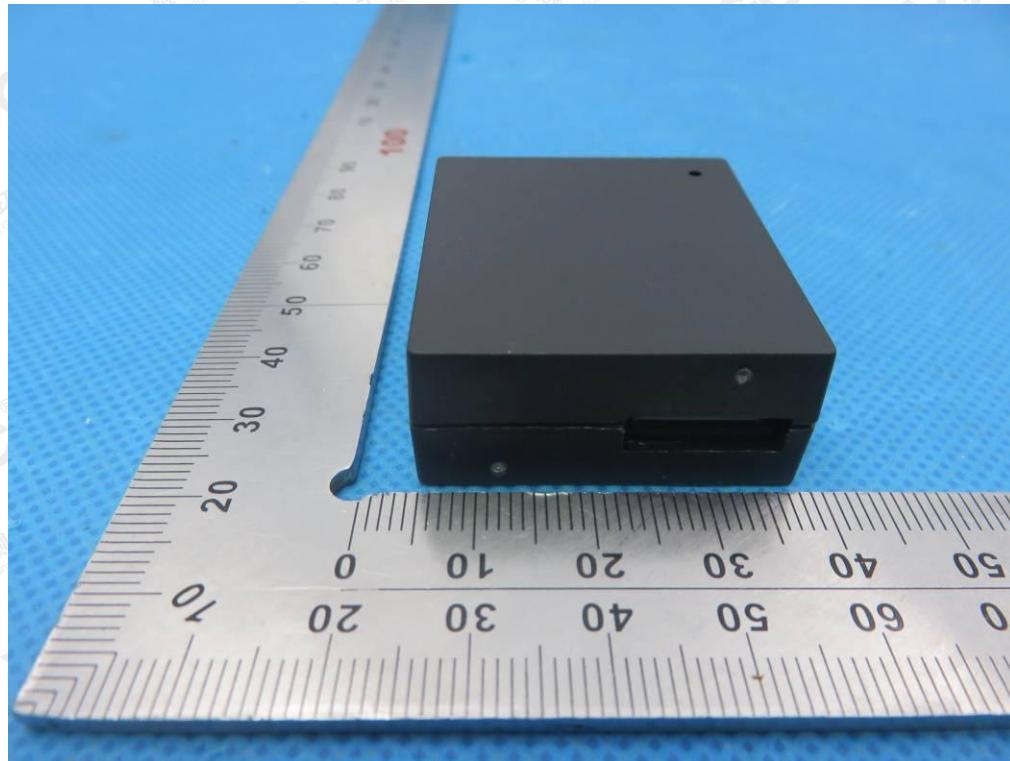
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LEFT VIEW OF EUT



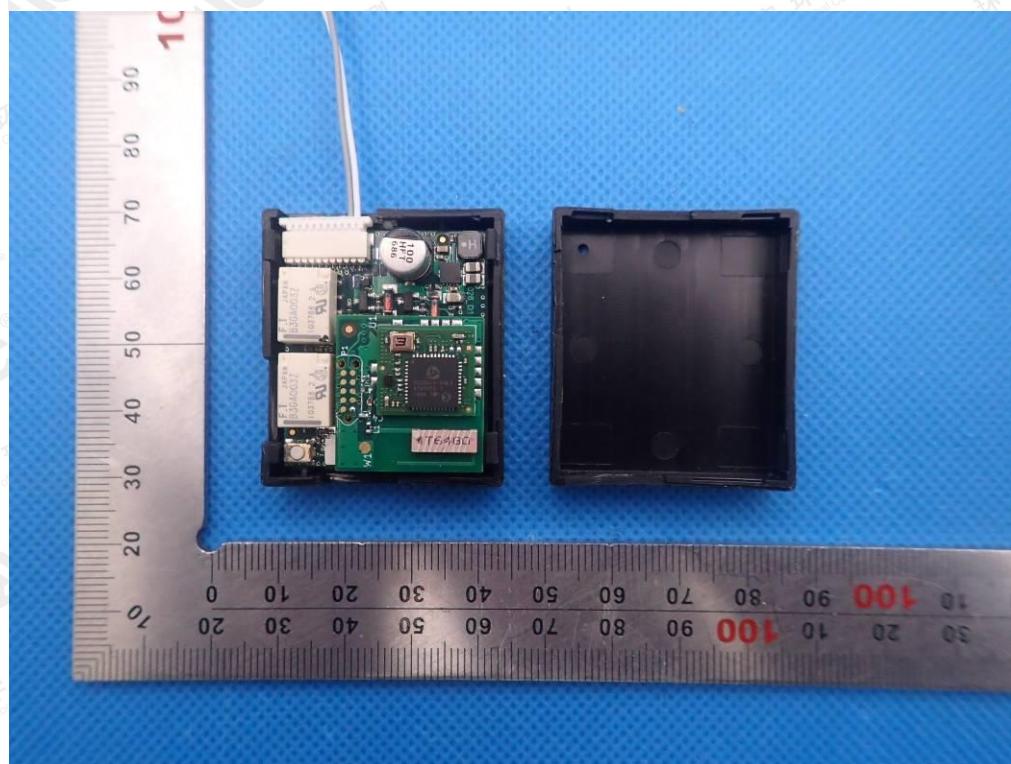
RIGHT VIEW OF EUT



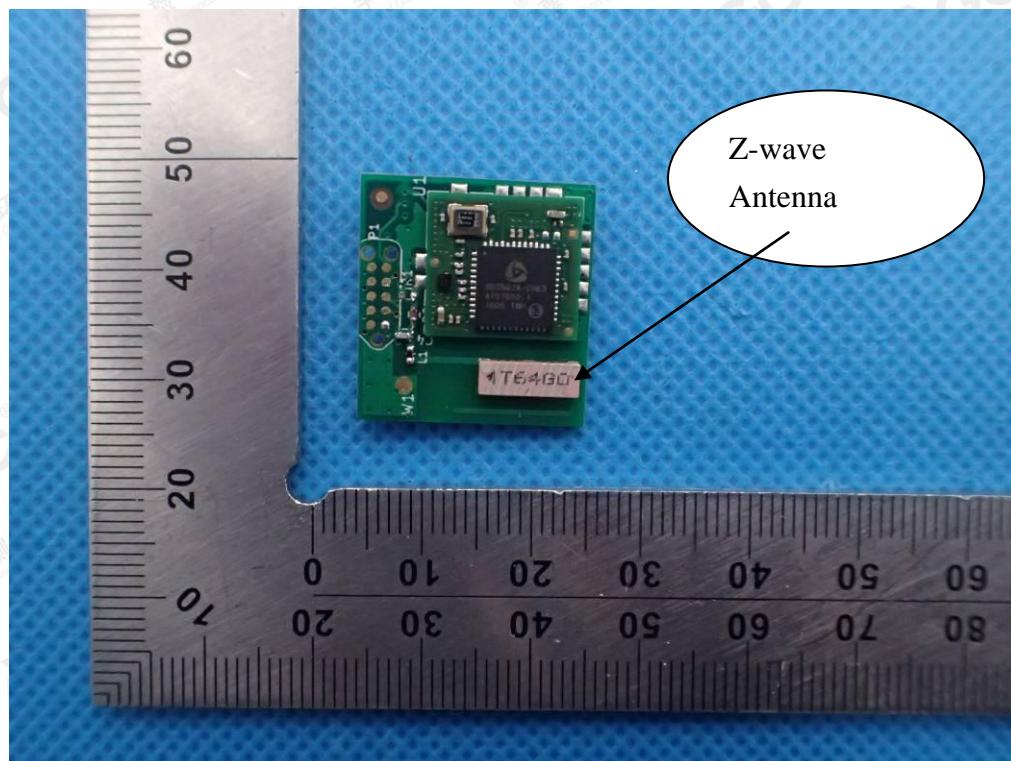
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## OPEN VIEW OF EUT



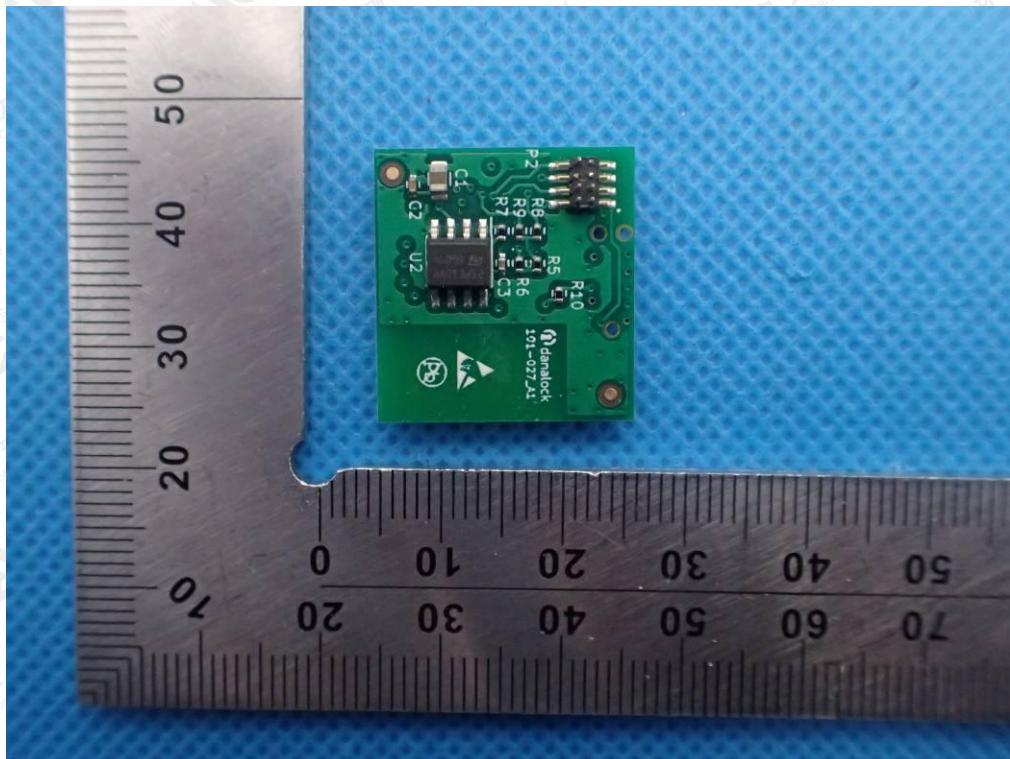
## INTERNAL VIEW OF EUT-1



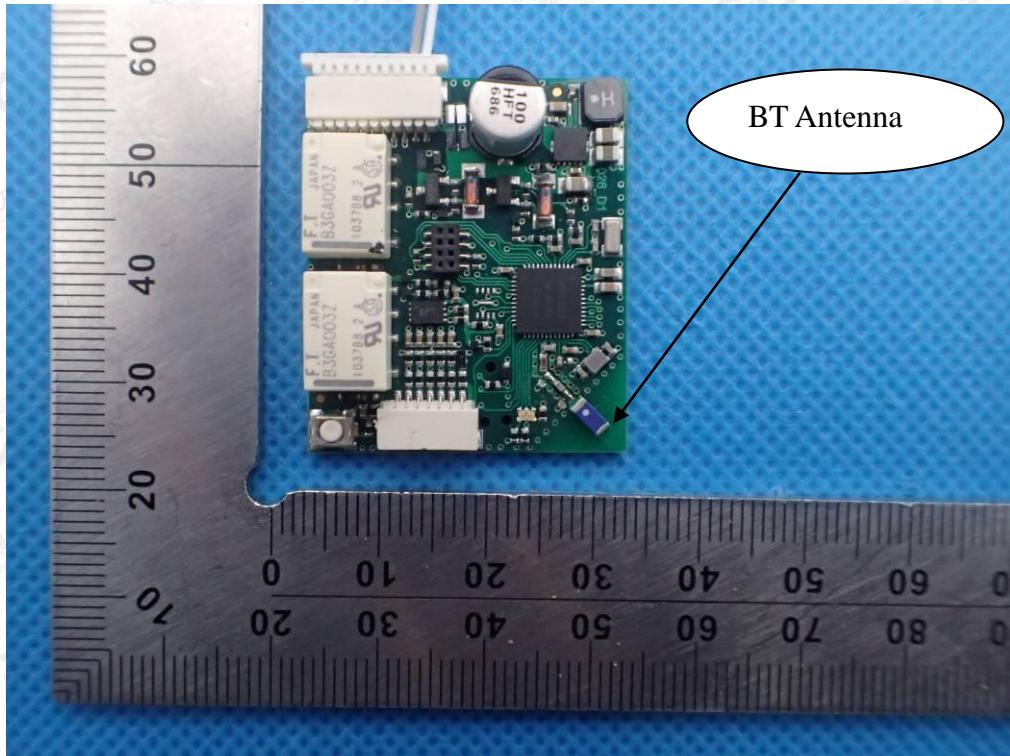
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## INTERNAL VIEW OF EUT-2



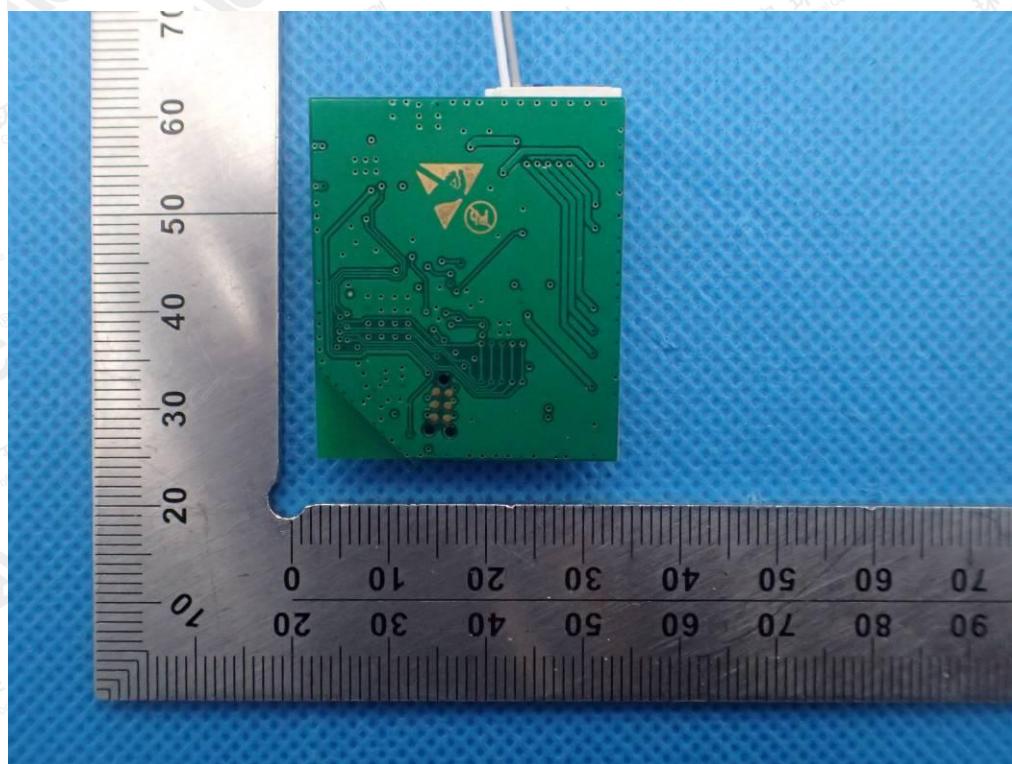
## INTERNAL VIEW OF EUT-3



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INTERNAL VIEW OF EUT-4



----END OF REPORT----

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