

EUT	Charging Base Station	Model Name	Neebo Charger
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2437MHZ	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
4874.042	46.99	3.75	50.74	74.00	-23.26	peak
4874.042	43.87	3.75	47.62	54.00	-6.38	AVG
7311.063	38.68	8.16	46.84	74.00	-27.16	peak
7311.063	34.89	8.16	43.05	54.00	-10.95	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT	Charging Base Station	Model Name	Neebo Charger
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2437MHZ	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
4874.042	48.99	3.75	52.74	74.00	-21.26	peak
4874.042	44.94	3.75	48.69	54.00	-5.31	AVG
7311.063	40.84	8.16	49.00	74.00	-25.00	peak
7311.063	37.46	8.16	45.62	54.00	-8.38	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.



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EUT	Charging Base Station	Model Name	Neebo Charger
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2462MHZ	Antenna	Horizontal

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Value Type
4924.042	47.23	3.81	51.04	74.00	-22.96	peak
4924.042	45.10	3.81	48.91	54.00	-5.09	AVG
7386.063	39.42	8.19	47.61	74.00	-26.39	peak
7386.063	35.14	8.19	43.33	54.00	-10.67	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

EUT	Charging Base Station	Model Name	Neebo Charger
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with date rate 1 2462MHZ	Antenna	Vertical

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Value Type
4924.042	48.41	3.81	52.22	74.00	-21.78	peak
4924.042	44.24	3.81	48.05	54.00	-5.95	AVG
7386.063	39.50	8.19	47.69	74.00	-26.31	peak
7386.063	36.25	8.19	44.44	54.00	-9.56	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

RESULT: PASS

Note:

Other emissions from 1G to 25 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.

All test modes had been pre-tested. The 802.11b mode is the worst case and recorded in the report.



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12. BAND EDGE EMISSION

12.1. MEASUREMENT PROCEDURE

Radiated restricted band edge measurements

The radiated restricted band edge measurements are measured with an EMI test receiver connected to the receive antenna while the EUT is transmitting

12.2. TEST SET-UP

same as 11.2

Note:

1. Factor=Antenna Factor + Cable loss - Amplifier gain. Field Strength=Factor + Reading level
2. The factor had been edited in the "Input Correction" of the Spectrum Analyzer. So the Amplitude of test plots is equal to Reading level plus the Factor in dB. Use the A dB(μ V) to represent the Amplitude. Use the F dB(μ V/m) to represent the Field Strength. So A=F.



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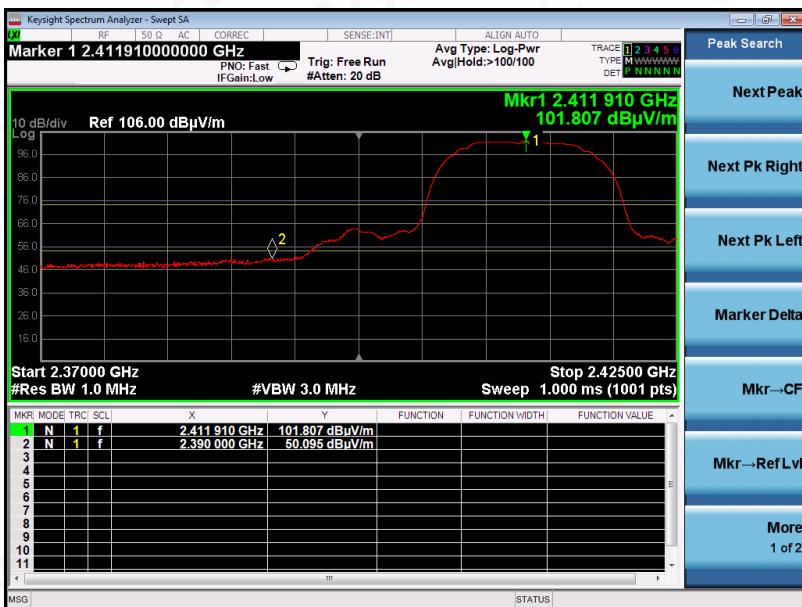
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
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12.3. TEST RESULT

EUT	Charging Base Station	Model Name	Neebo Charger
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2412MHZ	Antenna	Horizontal

PK



AV



RESULT: PASS



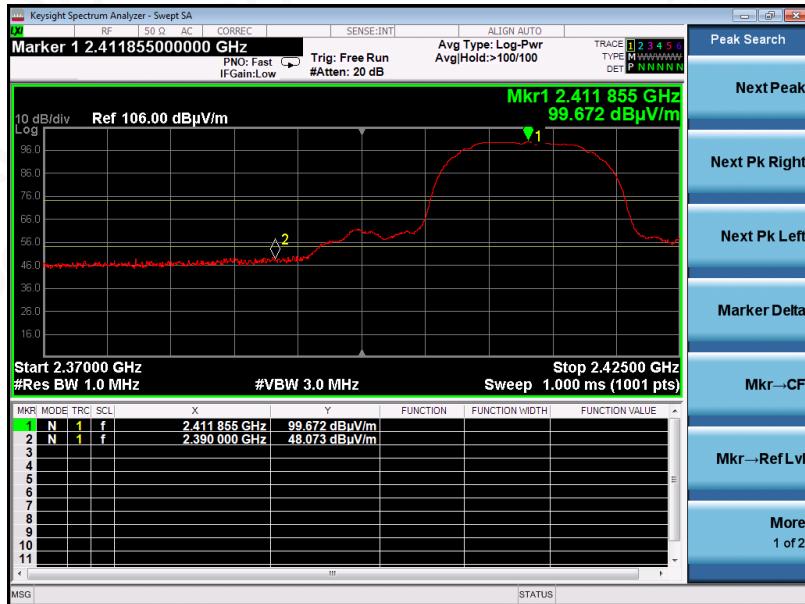
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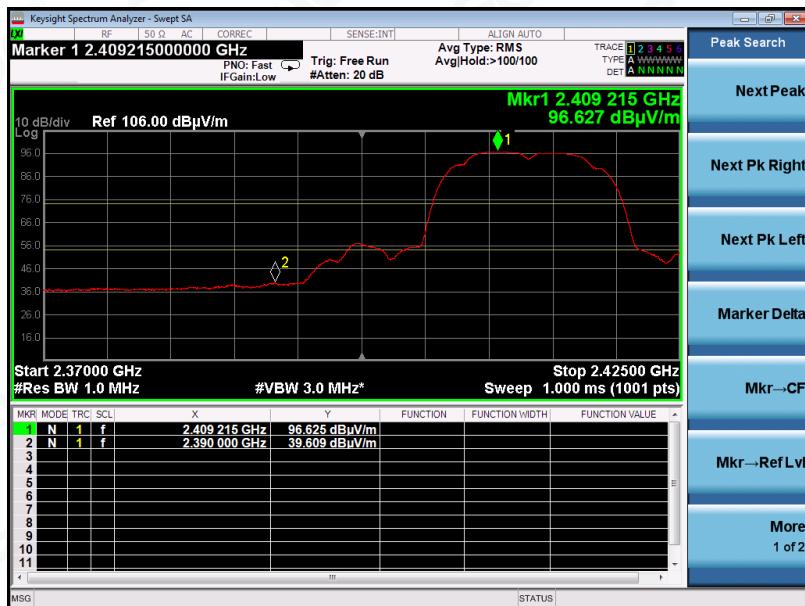
Tel: +86-755 2523 4088 E-mail: agc@agc-cert.com Service Hotline:400 089 2118

EUT	Charging Base Station	Model Name	Neebo Charger
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2412MHz	Antenna	Vertical

PK



AV



RESULT: PASS



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EUT	Charging Base Station	Model Name	Neebo Charger
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2462MHz	Antenna	Horizontal

PK



AV



RESULT: PASS



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EUT	Charging Base Station	Model Name	Neebo Charger
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11b with data rate 1 2462MHz	Antenna	Vertical

PK



AV


RESULT: PASS

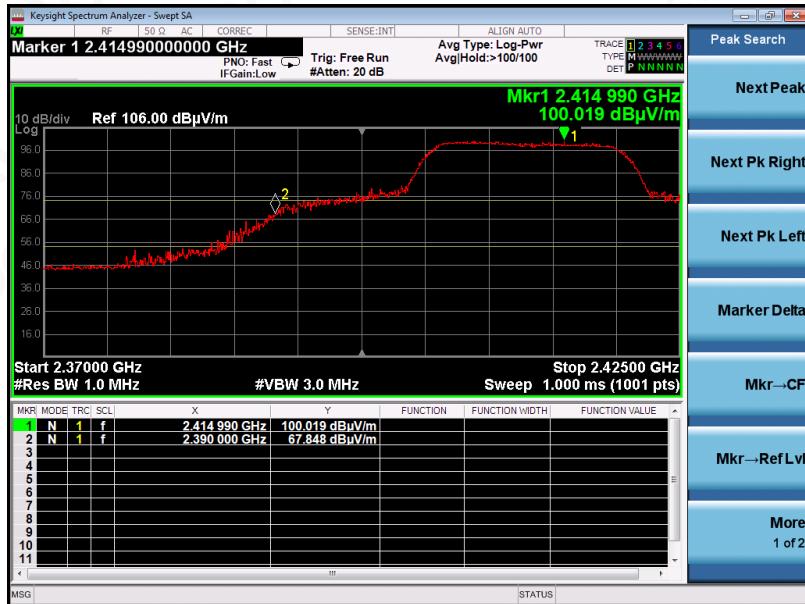

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EUT	Charging Base Station	Model Name	Neebo Charger
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2412MHz	Antenna	Horizontal

PK



AV



RESULT: PASS



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EUT	Charging Base Station	Model Name	Neebo Charger
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2412MHz	Antenna	Vertical

PK



AV


RESULT: PASS


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EUT	Charging Base Station	Model Name	Neebo Charger
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2462MHz	Antenna	Horizontal

PK



AV



RESULT: PASS



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EUT	Charging Base Station	Model Name	Neebo Charger
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11g with data rate 6 2462MHz	Antenna	Vertical

PK



AV



RESULT: PASS



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EUT	Charging Base Station	Model Name	Neebo Charger
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2412MHZ	Antenna	Horizontal

PK



AV



RESULT: PASS



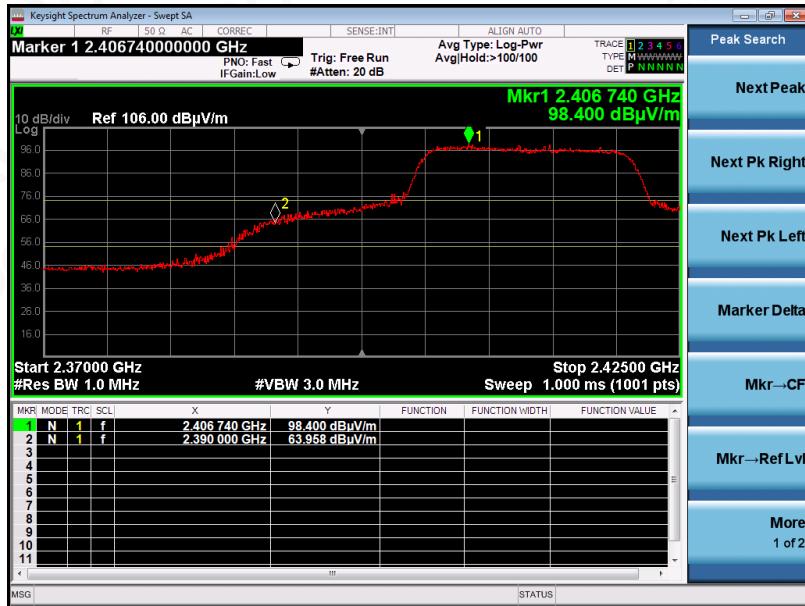
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EUT	Charging Base Station	Model Name	Neebo Charger
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2412MHZ	Antenna	Vertical

PK



AV


RESULT: PASS

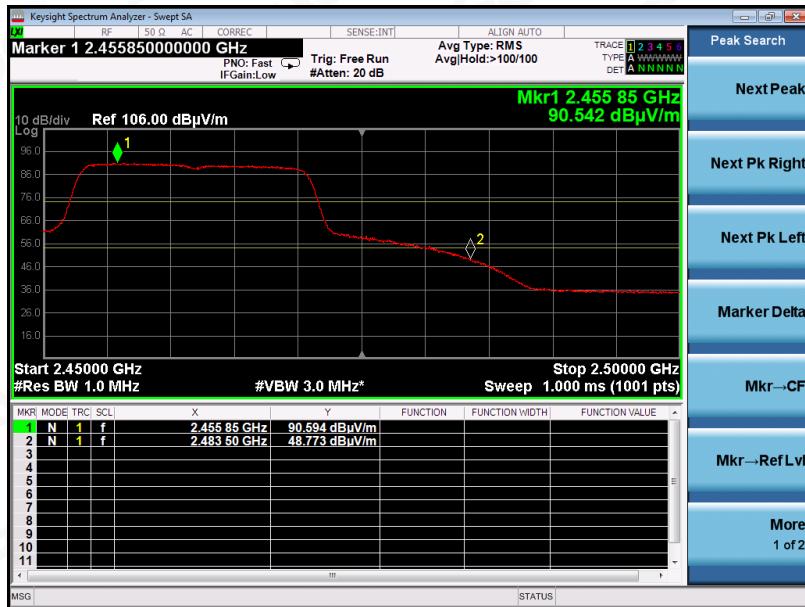

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EUT	Charging Base Station	Model Name	Neebo Charger
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2462MHz	Antenna	Horizontal

PK

AV

RESULT: PASS


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EUT	Charging Base Station	Model Name	Neebo Charger
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11n 20 with data rate 6.5 2462MHz	Antenna	Vertical

PK



AV


RESULT: PASS


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13. FCC LINE CONDUCTED EMISSION TEST

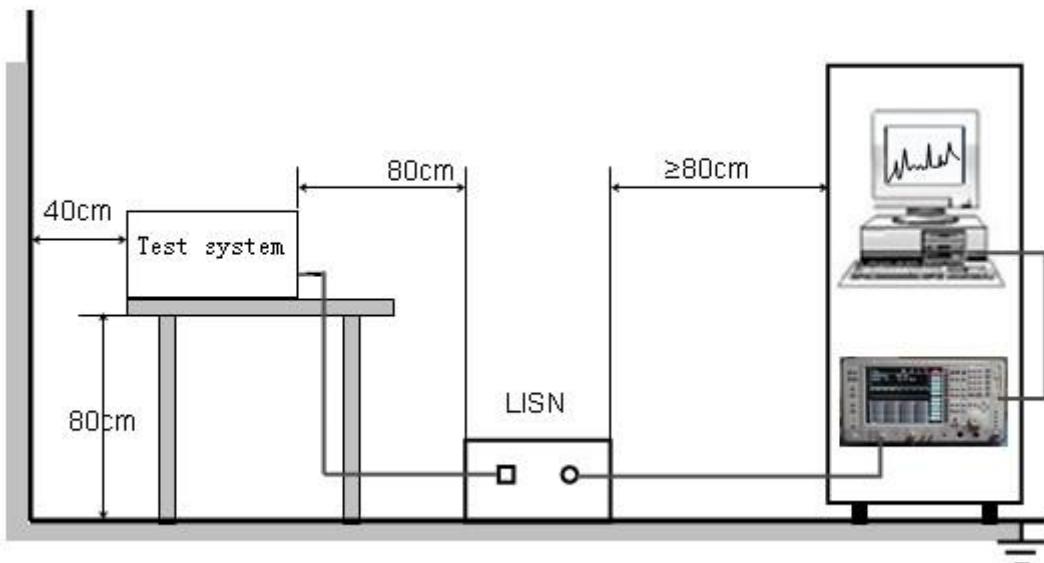
13.1. LIMITS OF LINE CONDUCTED EMISSION TEST

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.

13.2. BLOCK DIAGRAM OF TEST SETUP



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13.3. 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) The EUT received DC 5V power from adapter which received AC120V/60Hz power by a LISN.
- (5) The EUT 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.
- (6) Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
- (7) During the above scans, the emissions were maximized by cable manipulation.
- (8) A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions.
- (9) 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.



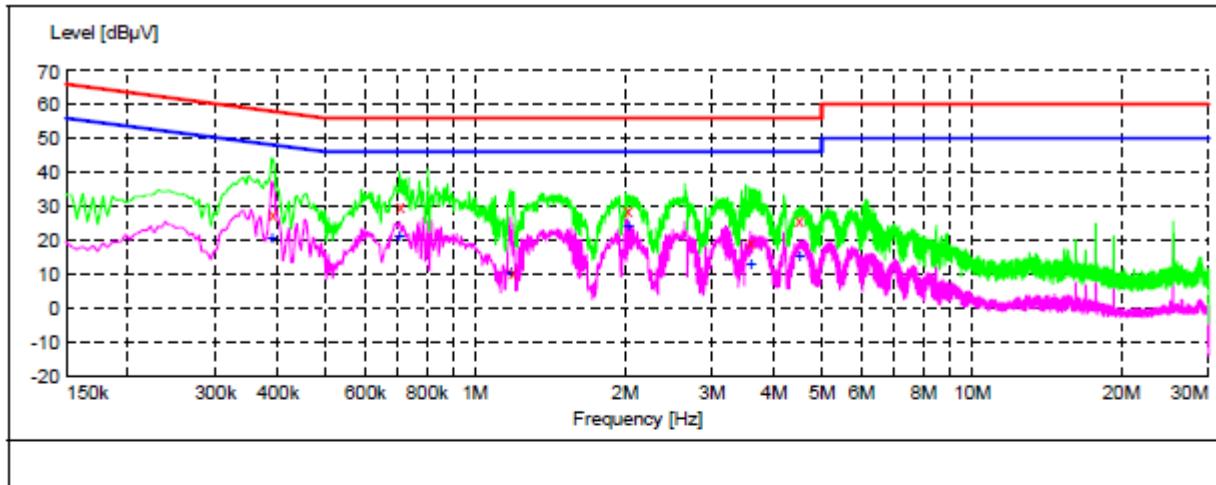
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13.4. TEST RESULT OF LINE CONDUCTED EMISSION TEST

LINE CONDUCTED EMISSION TEST-L1



MEASUREMENT RESULT: "TEST_fin"

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.390000	27.70	10.4	58	30.4	QP	L1	FLO
0.706000	30.00	10.4	56	26.0	QP	L1	FLO
1.186000	10.40	11.5	56	45.6	QP	L1	FLO
2.026000	29.00	11.5	56	27.0	QP	L1	FLO
3.590000	19.50	11.6	56	36.5	QP	L1	FLO
4.494000	26.00	11.6	56	30.0	QP	L1	FLO

MEASUREMENT RESULT: "TEST_fin2"

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.390000	20.80	10.4	48	27.3	AV	L1	FLO
0.702000	21.10	10.3	46	24.9	AV	L1	FLO
1.178000	10.60	11.5	46	35.4	AV	L1	FLO
2.026000	24.00	11.5	46	22.0	AV	L1	FLO
3.590000	13.20	11.6	46	32.8	AV	L1	FLO
4.494000	15.30	11.6	46	30.7	AV	L1	FLO

RESULT: PASS

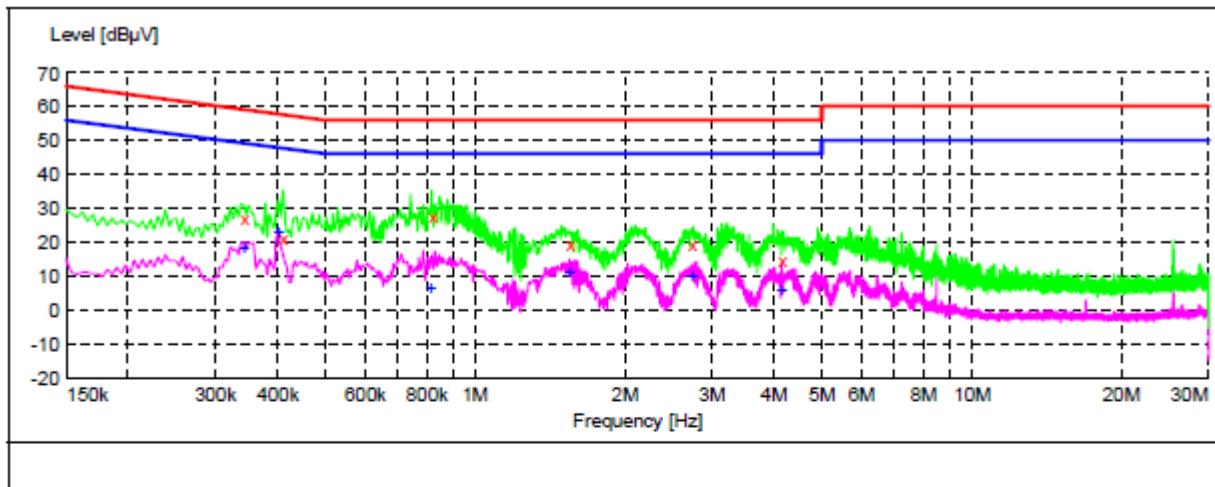


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LINE CONDUCTED EMISSION TEST-N



MEASUREMENT RESULT: "TEST_fin"

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.342000	27.30	10.6	59	31.9	QP	N	FLO
0.410000	21.30	10.4	58	36.3	QP	N	FLO
0.818000	27.90	10.8	56	28.1	QP	N	FLO
1.546000	19.60	11.5	56	36.4	QP	N	FLO
2.730000	19.50	11.5	56	36.5	QP	N	FLO
4.150000	15.10	11.6	56	40.9	QP	N	FLO

MEASUREMENT RESULT: "TEST_fin2"

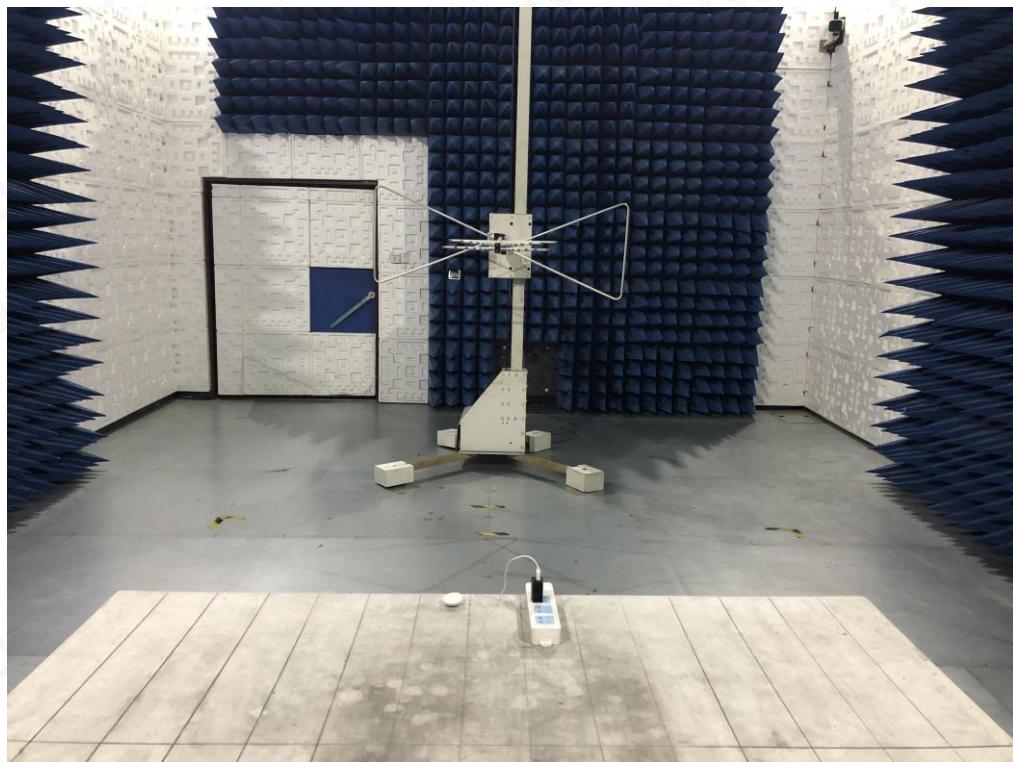
Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.342000	18.50	10.6	49	30.7	AV	N	FLO
0.402000	23.00	10.3	48	24.8	AV	N	FLO
0.814000	6.50	10.8	46	39.5	AV	N	FLO
1.546000	11.20	11.5	46	34.8	AV	N	FLO
2.734000	9.90	11.5	46	36.1	AV	N	FLO
4.150000	5.70	11.6	46	40.3	AV	N	FLO



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APPENDIX A: PHOTOGRAPHS OF TEST SETUP
FCC RADIATED EMISSION TEST SETUP BELOW 1GHZ**FCC RADIATED EMISSION TEST SETUP ABOVE 1GHZ**

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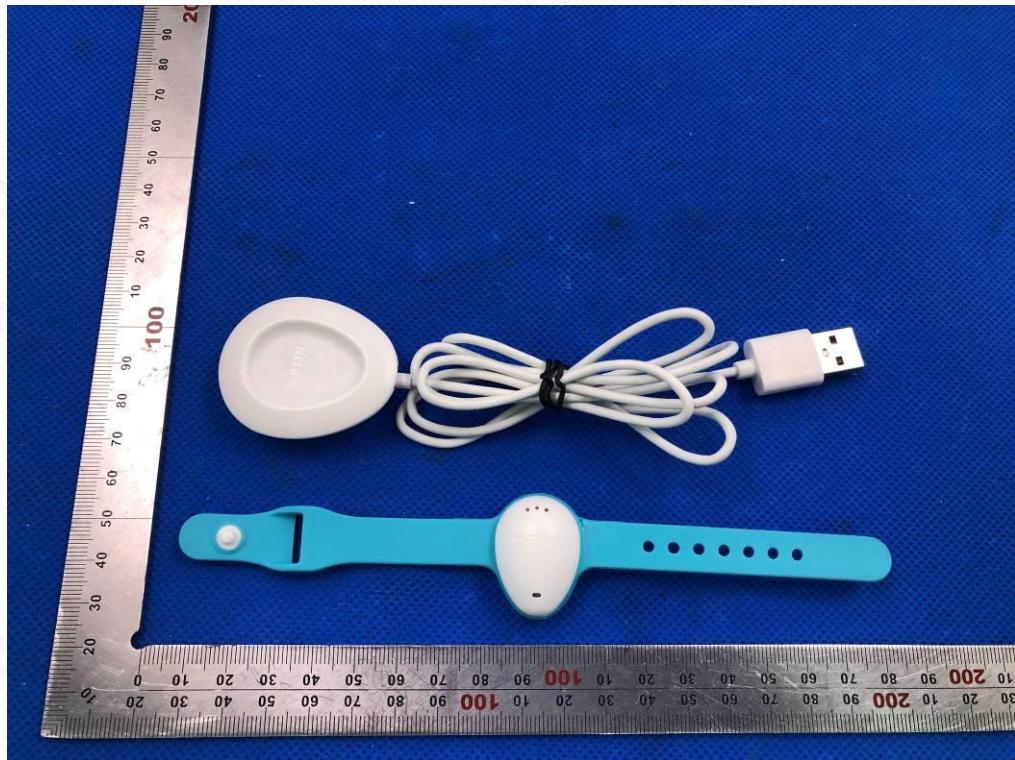
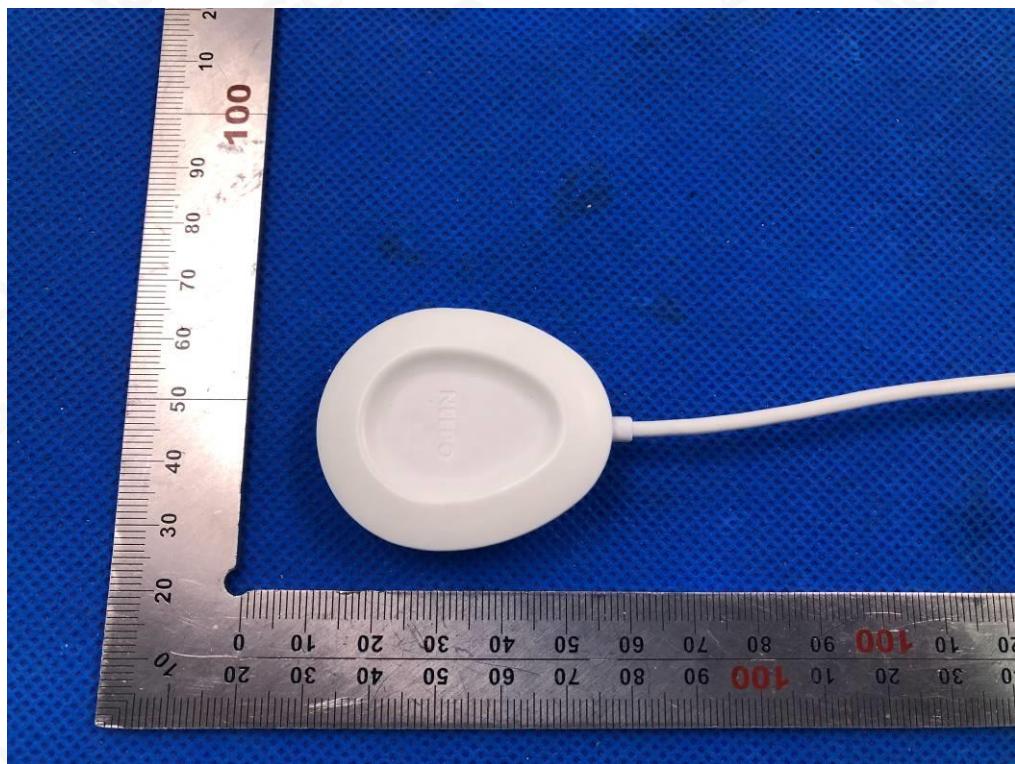
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
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FCC CONDUCTED EMISSION TEST SETUP



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

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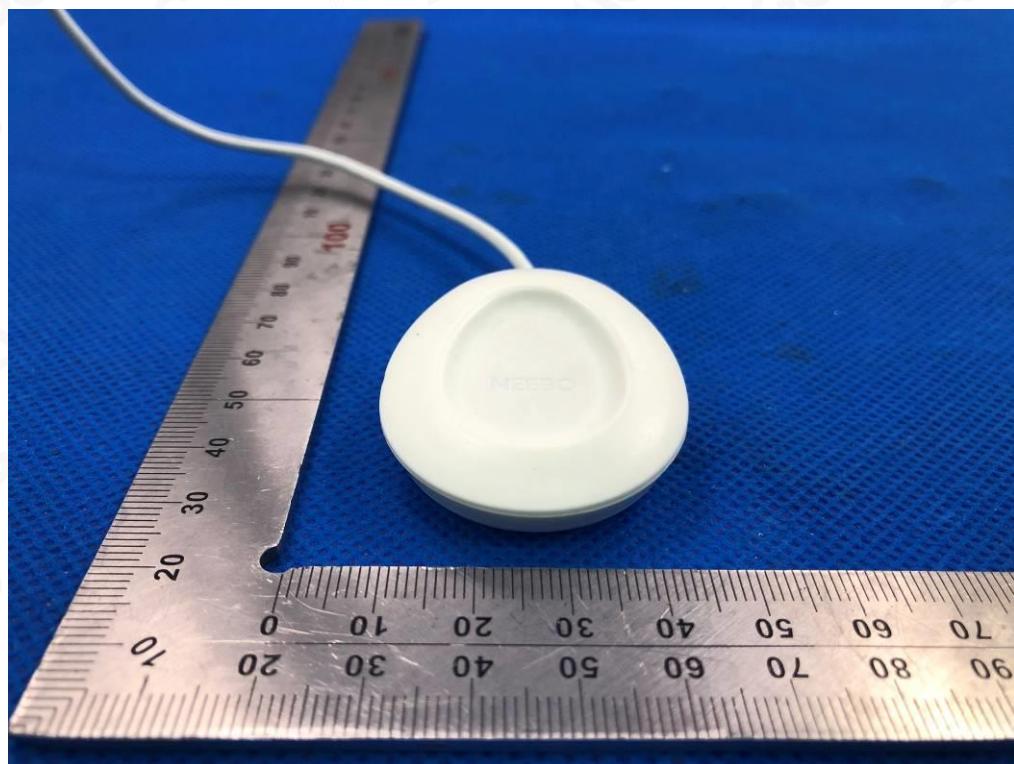
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
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BOTTOM VIEW OF EUT



FRONT VIEW OF EUT



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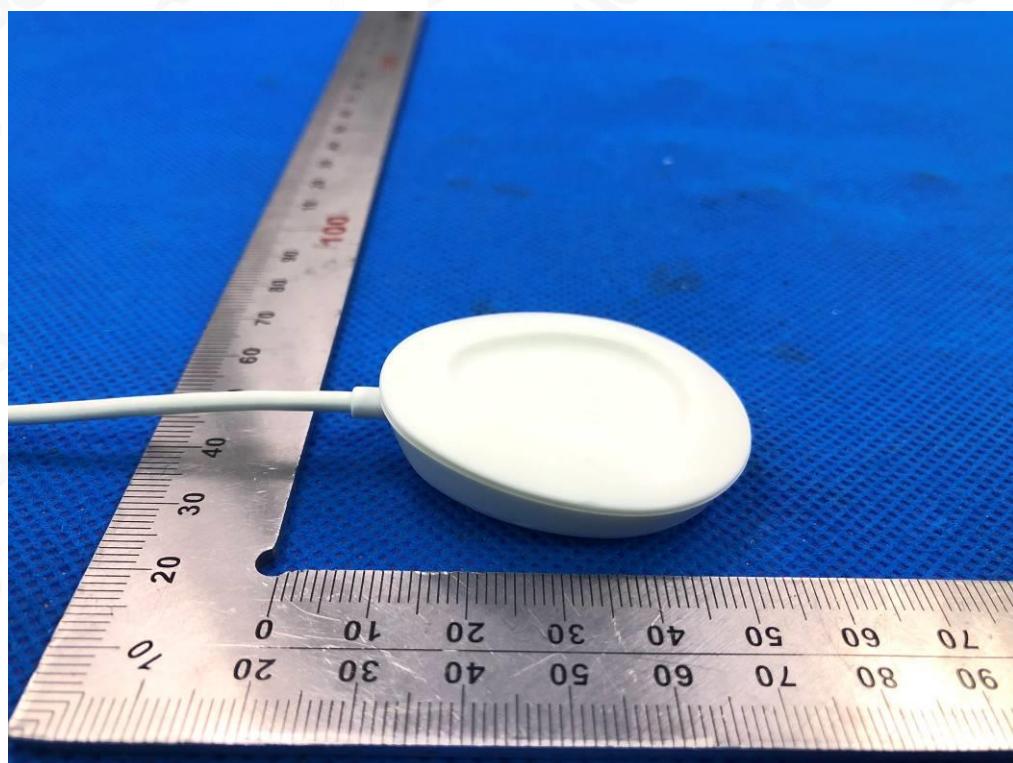
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BACK VIEW OF EUT



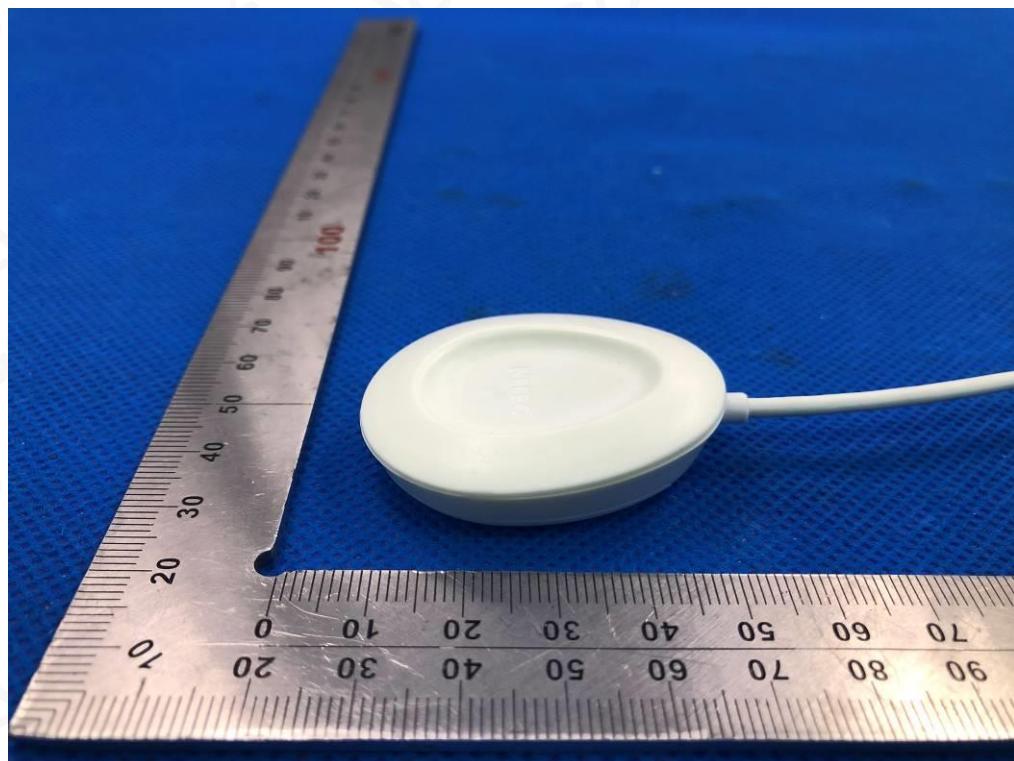
LEFT VIEW OF EUT



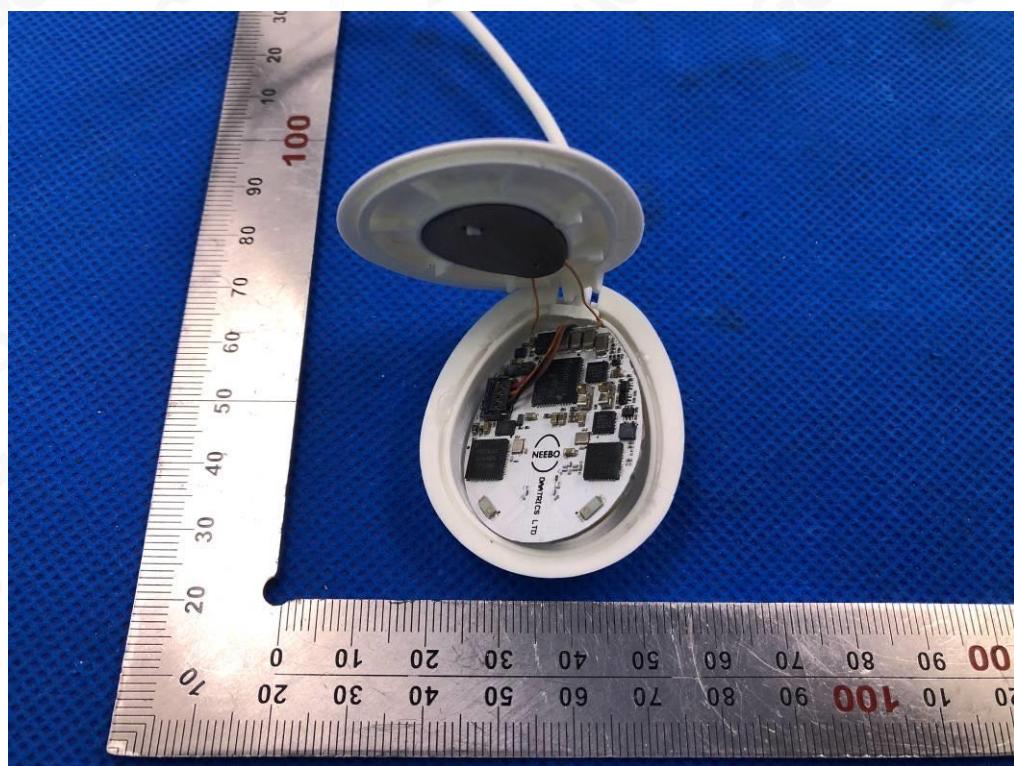
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RIGHT VIEW OF EUT



OPEN VIEW OF EUT-1

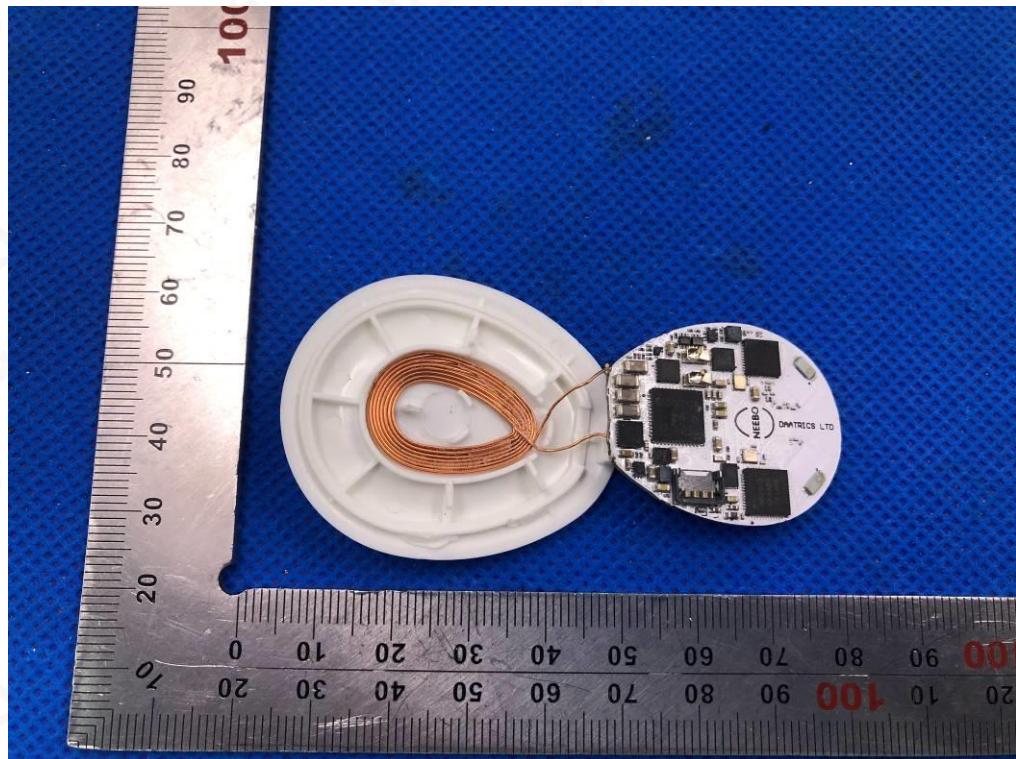


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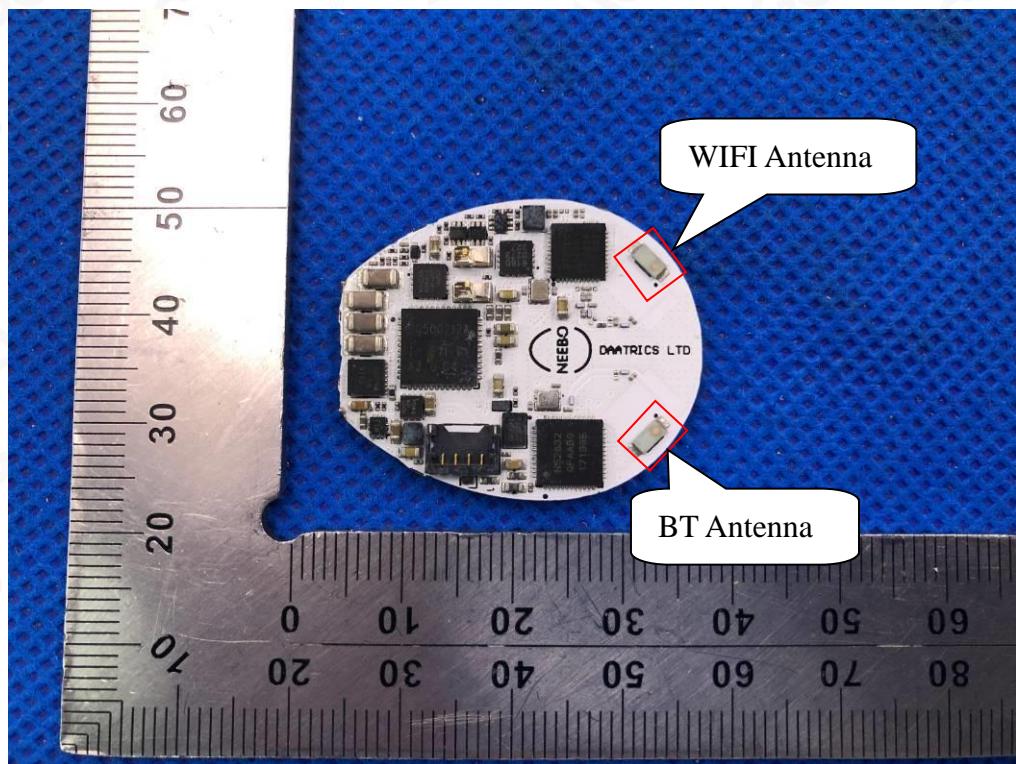
Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,
Xixiang, Bao'an District, Shenzhen, Guangdong, China

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OPEN VIEW OF EUT-2



INTERNAL VIEW OF EUT-1

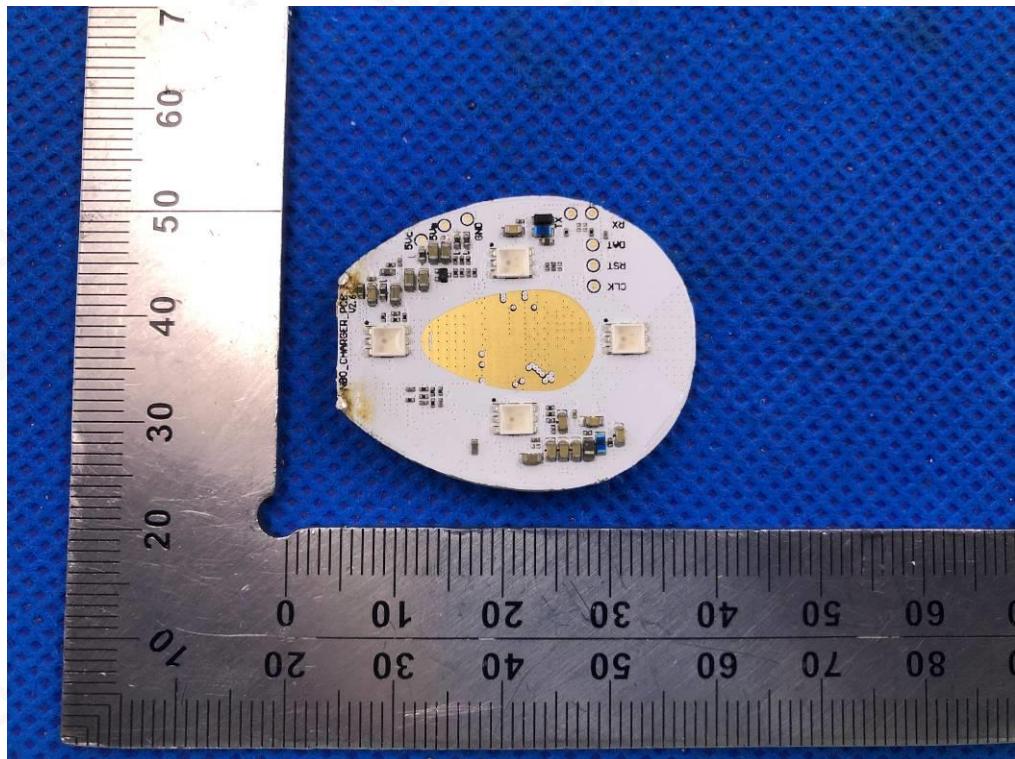


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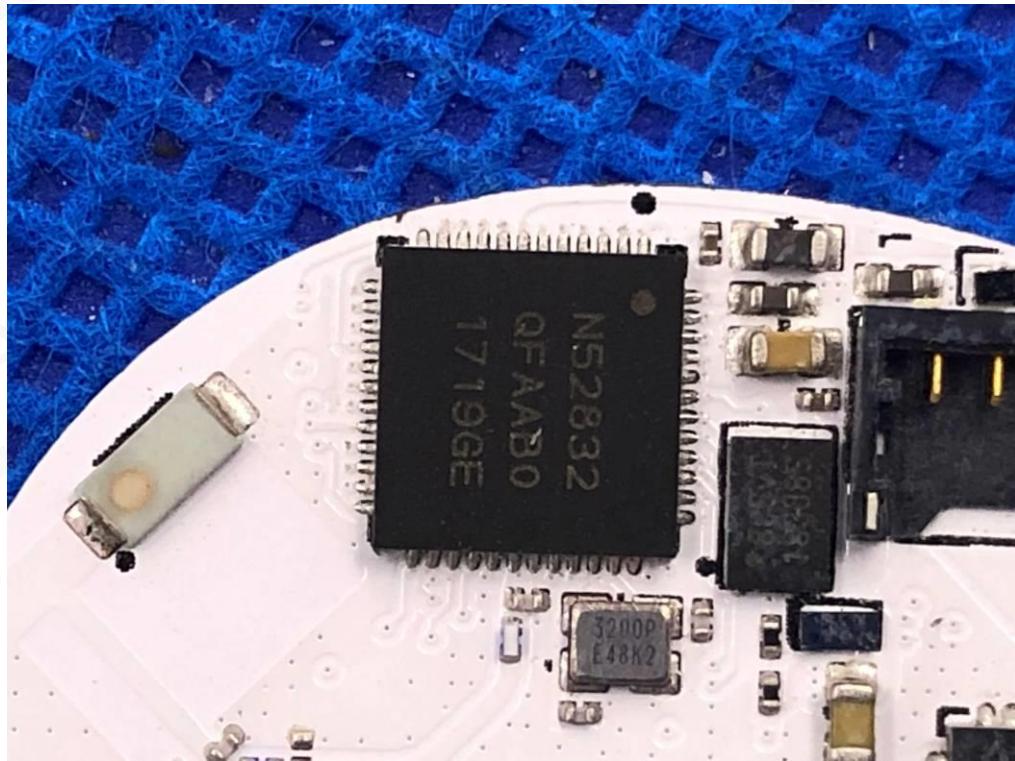
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INTERNAL VIEW OF EUT-2



INTERNAL VIEW OF EUT-3

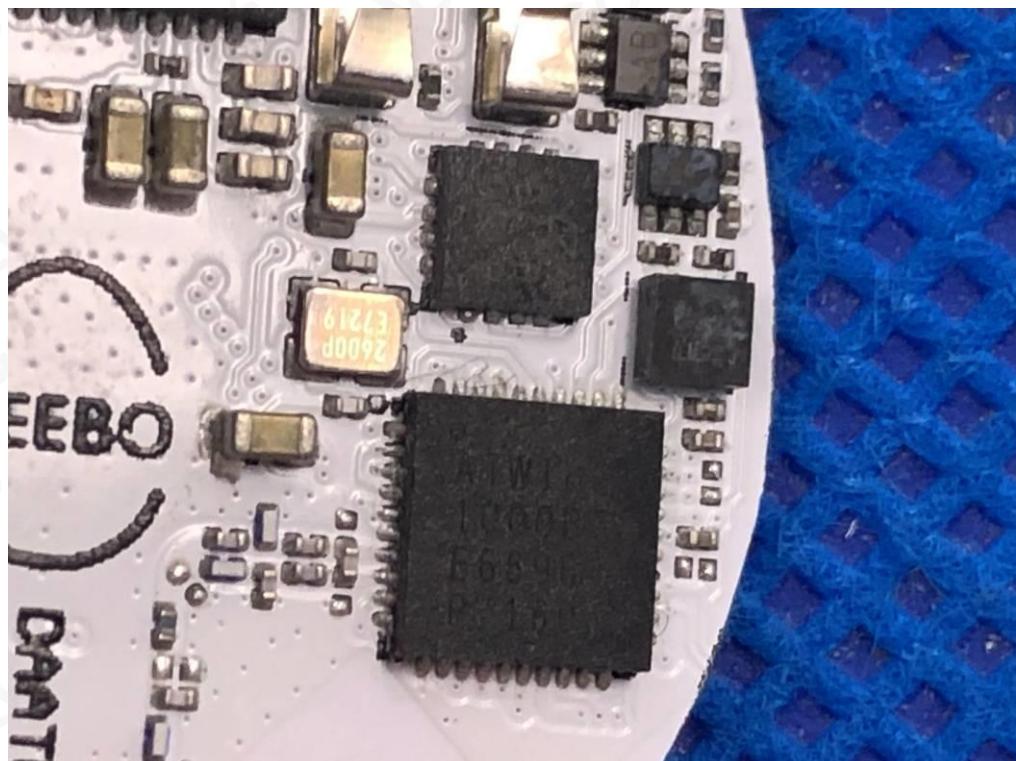


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INTERNAL VIEW OF EUT-4

**----END OF REPORT----**

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