

# TEST REPORT

FCC ID.....	2AQRG-W20Q10C
Test Report No.....	TCT220513E015
Date of issue.....	May 26, 2022
Testing laboratory .....	SHENZHEN TONGCE TESTING LAB
Testing location/ address:	TCT Testing Industrial Park Fuqiao 5th Industrial Zone, Fuhai Street, Bao'an District Shenzhen, Guangdong, 518103, People's Republic of China
Applicant's name.....	Shenzhen Feihe Electronics Co., Ltd
Address.....	3/F, Bldg 3, HongFa Innovative Park, HuangMaBu Community, Baoan District, Shenzhen, 518101 China
Manufacturer's name ...	Shenzhen Feihe Electronics Co., Ltd
Address.....	3/F, Bldg 3, HongFa Innovative Park, HuangMaBu Community, Baoan District, Shenzhen, 518101 China
Standard(s) .....	FCC CFR Title 47 Part 15 Subpart C
Product Name.....	LED table lamp
Trade Mark .....	N/A
Model/Type reference.....	W20Q10C, TL343Q
Rating(s).....	Refer to EUT description of page 3
Date of receipt of test item .....	May 13, 2022
Date (s) of performance of test.....	May 13, 2022 ~ May 26, 2022
Tested by (+signature) ... :	Rleo LIU
Check by (+signature).... :	Beryl ZHAO
Approved by (+signature):	Tomsin

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### Appendix A: Photographs of Test Setup

### Appendix B: Photographs of EUT

## 1. General Product Information

### 1.1. EUT description

Product Name.....	LED table lamp
Model/Type reference.....	W20Q10C
Sample Number.....	TCT220513E015-0101
Operation Frequency .....	112.80kHz ~ 163.10kHz
Modulation Technology .....	Load modulation
Antenna Type.....	Inductive loop coil Antenna
Rating(s).....	Adapter Information: MODEL: K65A240250U INPUT: AC 100-240V, 50/60Hz, 1.5A OUTPUT: DC 24.0V, 2.5A

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

### 1.2. Model(s) list

No.	Model No.	Tested with
1	W20Q10C	<input checked="" type="checkbox"/>
Other models	TL343Q	<input type="checkbox"/>

Note: W20Q10C is tested model, other models are derivative models. The models are identical in circuit and PCB layout, only different on the model names. So the test data of W20Q10C can represent the remaining models.

## 2. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203	PASS
AC Power Line Conducted Emission	§15.207	PASS
Spurious Emission	§15.209(a)(f)	PASS

**Note:**

1. PASS: *Test item meets the requirement.*
2. Fail: *Test item does not meet the requirement.*
3. N/A: *Test case does not apply to the test object.*
4. *The test result judgment is decided by the limit of test standard.*

### 3. General Information

#### 3.1. Test environment and mode

Operating Environment:		
Condition	Conducted Emission	Radiated Emission
Temperature:	25.3 °C	24.5 °C
Humidity:	56 % RH	56 % RH
Atmospheric Pressure:	1010 mbar	1010 mbar

Test Mode:	
Engineering mode:	Mode 1: Wireless charging (10W Max)
	Mode 2: Wireless charging (10W Max) + Full Load(30W Max)
Remark:	All modes were tested, and the worse mode(Mode 2) is reported only.

The sample was placed 0.8m for the measurement below above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case(Z axis) are shown in Test Results of the following pages.

#### 3.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
Mobile Phone	SM-G9350	R28HA2ER3GT	/	SAMSUNG

##### Note:

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. Facilities and Accreditations

### 4.1. Facilities

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

- FCC - Registration No.: 645098

SHENZHEN TONGCE TESTING LAB

Designation Number: CN1205

The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC - Registration No.: 10668A-1

SHENZHEN TONGCE TESTING LAB

CAB identifier: CN0031

The testing lab has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing.

### 4.2. Location

SHENZHEN TONGCE TESTING LAB

Address: TCT Testing Industrial Park Fuqiao 5th Industrial Zone, Fuhai Street, Bao'an District Shenzhen, Guangdong, 518103, People's Republic of China

TEL: +86-755-27673339

### 4.3. Measurement Uncertainty

The reported uncertainty of measurement  $y \pm U$ , where expended uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95 %.

No.	Item	MU
1	Conducted Emission	$\pm 3.10$ dB
2	RF power, conducted	$\pm 0.12$ dB
3	Spurious emissions, conducted	$\pm 0.11$ dB
4	All emissions, radiated(<1 GHz)	$\pm 4.56$ dB
5	All emissions, radiated(1 GHz - 18 GHz)	$\pm 4.22$ dB
6	All emissions, radiated(18 GHz- 40 GHz)	$\pm 4.36$ dB

## 5. Test Results and Measurement Data

### 5.1. Antenna requirement

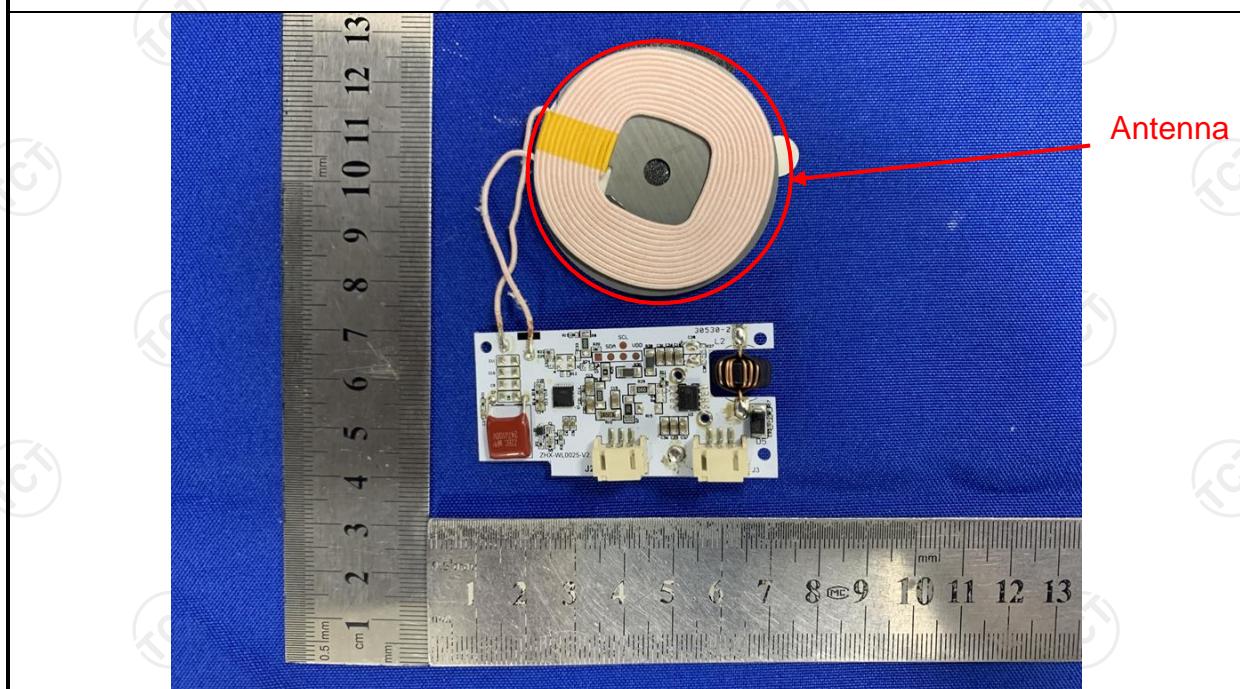
<b>Standard requirement:</b>	FCC Part15 C Section 15.203
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15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

**E.U.T Antenna:**

The antenna is inductive loop coil antenna which permanently attached.



## 5.2. Conducted Emission

### 5.2.1. Test Specification

<b>Test Requirement:</b>	FCC Part15 C Section 15.207														
<b>Test Method:</b>	ANSI C63.10: 2013														
<b>Frequency Range:</b>	150 kHz to 30 MHz														
<b>Receiver setup:</b>	RBW=9 kHz, VBW=30 kHz, Sweep time=auto														
<b>Limits:</b>	<table border="1"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th> <th colspan="2">Limit (dBuV)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15-0.5</td> <td>66 to 56*</td> <td>56 to 46*</td> </tr> <tr> <td>0.5-5</td> <td>56</td> <td>46</td> </tr> <tr> <td>5-30</td> <td>60</td> <td>50</td> </tr> </tbody> </table>	Frequency range (MHz)	Limit (dBuV)		Quasi-peak	Average	0.15-0.5	66 to 56*	56 to 46*	0.5-5	56	46	5-30	60	50
Frequency range (MHz)	Limit (dBuV)														
	Quasi-peak	Average													
0.15-0.5	66 to 56*	56 to 46*													
0.5-5	56	46													
5-30	60	50													
<b>Test Setup:</b>	<p style="text-align: center;"><b>Reference Plane</b></p> <p><i>Remark: E.U.T: Equipment Under Test LISN: Line Impedance Stabilization Network Test table height=0.8m</i></p>														
<b>Test Mode:</b>	Refer to item 3.1														
<b>Test Procedure:</b>	<ol style="list-style-type: none"> <li>1. The E.U.T is connected to an adapter through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.</li> <li>2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).</li> <li>3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement.</li> </ol>														
<b>Test Result:</b>	PASS														

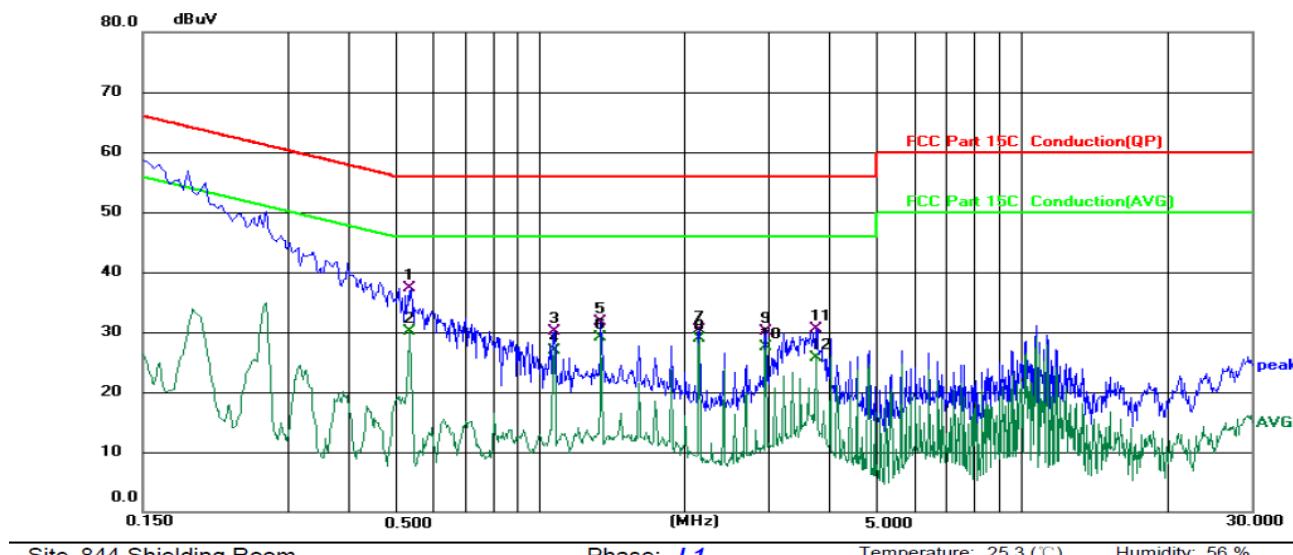
**5.2.2. Test Instruments**

Conducted Emission Shielding Room Test Site (843)				
Equipment	Manufacturer	Model	Serial Number	Calibration Due
EMI Test Receiver	R&S	ESCI3	100898	Jul. 07, 2022
Line Impedance Stabilisation Newtork(LISN)	Schwarzbeck	NSLK 8126	8126453	Feb. 24, 2023
Line-5	TCT	CE-05	N/A	Jul. 07, 2022
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A

### 5.2.3. Test data

Please refer to following diagram for individual

#### Conducted Emission on Line Terminal of the power line (150 kHz to 30MHz)



Site 844 Shielding Room Phase: L1 Temperature: 25.3 (°C) Humidity: 56 %

Limit: FCC Part 15C Conduction(QP)

Power: AC 120 V/60 Hz

No.	Mk.	Freq. MHz	Reading Level dB $\mu$ V	Correct Factor dB	Measure- ment dB $\mu$ V	Limit dB	Over Detector	Comment
1	0.5380	27.23	10.17	37.40	56.00	-18.60	QP	
2 *	0.5380	19.86	10.17	30.03	46.00	-15.97	AVG	
3	1.0740	20.00	10.13	30.13	56.00	-25.87	QP	
4	1.0740	16.71	10.13	26.84	46.00	-19.16	AVG	
5	1.3420	21.49	10.12	31.61	56.00	-24.39	QP	
6	1.3420	19.02	10.12	29.14	46.00	-16.86	AVG	
7	2.1459	20.28	10.07	30.35	56.00	-25.65	QP	
8	2.1459	18.87	10.07	28.94	46.00	-17.06	AVG	
9	2.9500	20.12	10.08	30.20	56.00	-25.80	QP	
10	2.9500	17.36	10.08	27.44	46.00	-18.56	AVG	
11	3.7540	20.49	10.09	30.58	56.00	-25.42	QP	
12	3.7540	15.60	10.09	25.69	46.00	-20.31	AVG	

#### Note:

Freq. = Emission frequency in MHz

Reading level (dB $\mu$ V) = Receiver reading

Corr. Factor (dB) = LISN factor + Cable loss

Measurement (dB $\mu$ V) = Reading level (dB $\mu$ V) + Corr. Factor (dB)

Limit (dB $\mu$ V) = Limit stated in standard

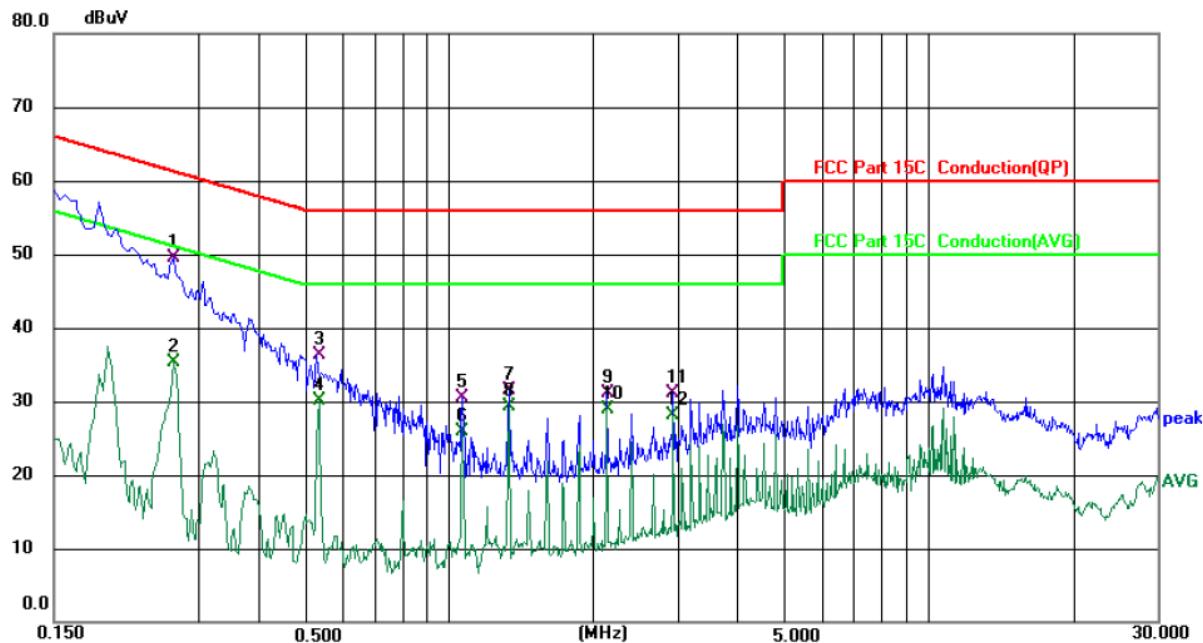
Margin (dB) = Measurement (dB $\mu$ V) – Limits (dB $\mu$ V)

Q.P. = Quasi-Peak

AVG = average

\* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz

### Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)



Site 844 Shielding Room

Phase: *N*

Temperature: 25.3 (°C)

Humidity: 56 %

Limit: FCC Part 15C Conduction(QP)

Power: AC 120 V/60 Hz

No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Over	Detector	Comment
			dBuV	dB	dBuV	dBuV	dB		
1 *		0.2660	39.14	10.31	49.45	61.24	-11.79	QP	
2		0.2660	25.06	10.31	35.37	51.24	-15.87	AVG	
3		0.5340	26.20	10.17	36.37	56.00	-19.63	QP	
4		0.5340	19.94	10.17	30.11	46.00	-15.89	AVG	
5		1.0700	20.32	10.14	30.46	56.00	-25.54	QP	
6		1.0700	15.77	10.14	25.91	46.00	-20.09	AVG	
7		1.3340	21.44	10.15	31.59	56.00	-24.41	QP	
8		1.3340	19.17	10.15	29.32	46.00	-16.68	AVG	
9		2.1380	20.94	10.17	31.11	56.00	-24.89	QP	
10		2.1380	18.77	10.17	28.94	46.00	-17.06	AVG	
11		2.9380	20.97	10.18	31.15	56.00	-24.85	QP	
12		2.9380	17.86	10.18	28.04	46.00	-17.96	AVG	

**Note:**

Freq. = Emission frequency in MHz

Reading level (dB $\mu$ V) = Receiver reading

Corr. Factor (dB) = LISN factor + Cable loss

Measurement (dB $\mu$ V) = Reading level (dB $\mu$ V) + Corr. Factor (dB)

Limit (dB $\mu$ V) = Limit stated in standard

Margin (dB) = Measurement (dB $\mu$ V) - Limits (dB $\mu$ V)

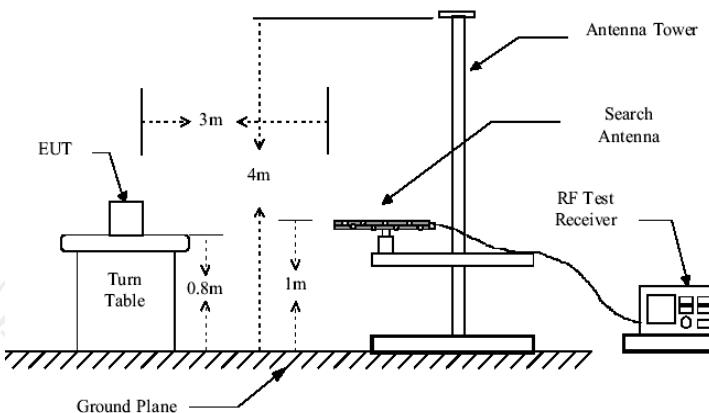
Q.P. =Quasi-Peak AVG =average

\* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz

## 5.3. Radiated Spurious Emission Measurement

### 5.3.1. Test Specification

<b>Test Requirement:</b>	FCC Part15 C Section 15.209																																	
<b>Test Method:</b>	ANSI C63.10: 2013																																	
<b>Frequency Range:</b>	9 kHz to 25 GHz																																	
<b>Measurement Distance:</b>	3 m																																	
<b>Antenna Polarization:</b>	Horizontal & Vertical																																	
<b>Operation mode:</b>	Refer to item 3.1																																	
<b>Receiver Setup:</b>	<table border="1"> <thead> <tr> <th>Frequency</th> <th>Detector</th> <th>RBW</th> <th>VBW</th> <th>Remark</th> </tr> </thead> <tbody> <tr> <td>9kHz- 150kHz</td> <td>Quasi-peak</td> <td>200Hz</td> <td>1kHz</td> <td>Quasi-peak Value</td> </tr> <tr> <td>150kHz- 30MHz</td> <td>Quasi-peak</td> <td>9kHz</td> <td>30kHz</td> <td>Quasi-peak Value</td> </tr> <tr> <td>30MHz-1GHz</td> <td>Quasi-peak</td> <td>120KHz</td> <td>300KHz</td> <td>Quasi-peak Value</td> </tr> <tr> <td rowspan="2">Above 1GHz</td><td>Peak</td> <td>1MHz</td> <td>3MHz</td> <td>Peak Value</td> </tr> <tr> <td>Peak</td> <td>1MHz</td> <td>10Hz</td> <td>Average Value</td> </tr> </tbody> </table>					Frequency	Detector	RBW	VBW	Remark	9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value	150kHz- 30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value	Above 1GHz	Peak	1MHz	3MHz	Peak Value	Peak	1MHz	10Hz	Average Value
Frequency	Detector	RBW	VBW	Remark																														
9kHz- 150kHz	Quasi-peak	200Hz	1kHz	Quasi-peak Value																														
150kHz- 30MHz	Quasi-peak	9kHz	30kHz	Quasi-peak Value																														
30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value																														
Above 1GHz	Peak	1MHz	3MHz	Peak Value																														
	Peak	1MHz	10Hz	Average Value																														
<b>Limit:</b>	<table border="1"> <thead> <tr> <th>Frequency</th> <th>Field Strength (microvolts/meter)</th> <th>Measurement Distance (meters)</th> </tr> </thead> <tbody> <tr> <td>0.009-0.490</td> <td>2400/F(KHz)</td> <td>300</td> </tr> <tr> <td>0.490-1.705</td> <td>24000/F(KHz)</td> <td>30</td> </tr> <tr> <td>1.705-30</td> <td>30</td> <td>30</td> </tr> <tr> <td>30-88</td> <td>100</td> <td>3</td> </tr> <tr> <td>88-216</td> <td>150</td> <td>3</td> </tr> <tr> <td>216-960</td> <td>200</td> <td>3</td> </tr> <tr> <td>Above 960</td> <td>500</td> <td>3</td> </tr> </tbody> </table>					Frequency	Field Strength (microvolts/meter)	Measurement Distance (meters)	0.009-0.490	2400/F(KHz)	300	0.490-1.705	24000/F(KHz)	30	1.705-30	30	30	30-88	100	3	88-216	150	3	216-960	200	3	Above 960	500	3					
Frequency	Field Strength (microvolts/meter)	Measurement Distance (meters)																																
0.009-0.490	2400/F(KHz)	300																																
0.490-1.705	24000/F(KHz)	30																																
1.705-30	30	30																																
30-88	100	3																																
88-216	150	3																																
216-960	200	3																																
Above 960	500	3																																
<b>Test setup:</b>	<p>For radiated emissions below 30MHz</p> <p>Distance = 3m</p> <p>EUT</p> <p>Turn table</p> <p>Ground Plane</p> <p>Computer</p> <p>Pre -Amplifier</p> <p>Receiver</p> <p>30MHz to 1GHz</p>																																	



**Test Procedure:**

1. For the radiated emission test below 1GHz:  
The EUT was placed on a turntable with 0.8 meter above ground. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high PASS filter are used for the test in order to get better signal level.
2. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
3. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
4. Use the following spectrum analyzer settings:
  - (1) Span shall wide enough to fully capture the emission being measured;
  - (2) Set RBW=120 kHz for  $f < 1$  GHz; VBW  $\geq$  RBW;  
Sweep = auto; Detector function = peak; Trace = max hold;
  - (3) Set RBW = 1 MHz, VBW= 3MHz for  $f \geq 1$  GHz  
for peak measurement.
 For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent.  $VBW \geq 1/T$ , when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

**Test mode:**

Refer to section 3.1 for details

**Test results:**

PASS

### 5.3.2. Test Instruments

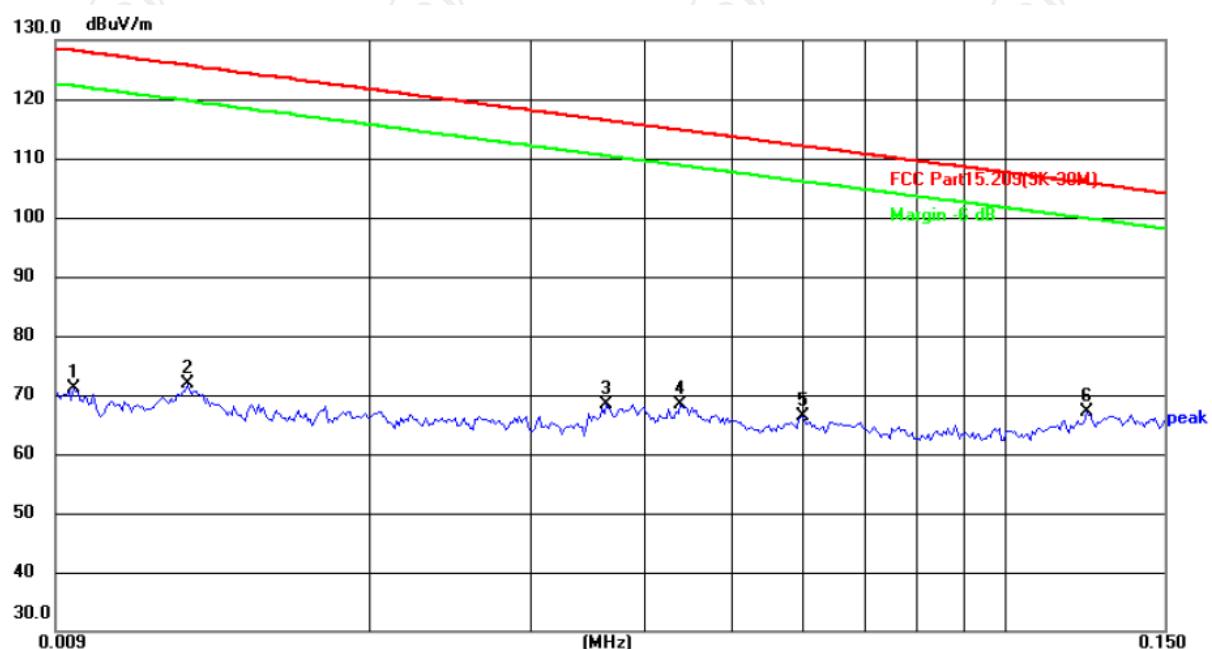
Radiated Emission Test Site (966)				
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
EMI Test Receiver	R&S	ESIB7	100197	Jul. 07, 2022
Spectrum Analyzer	R&S	FSQ40	200061	Jul. 07, 2022
Pre-amplifier	SKET	LNPA_0118G-45	SK2021012 102	Feb. 24, 2023
Pre-amplifier	SKET	LNPA_1840G-50	SK2021092 03500	Feb. 24, 2023
Pre-amplifier	HP	8447D	2727A05017	Jul. 07, 2022
Loop antenna	ZHINAN	ZN30900A	12024	Sep. 05, 2022
Broadband Antenna	Schwarzbeck	VULB9163	340	Sep. 04, 2022
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Sep. 04, 2022
Horn Antenna	Schwarzbeck	BBHA 9170	00956	Apr. 10, 2023
Antenna Mast	Keleto	RE-AM	N/A	N/A
Coaxial cable	SKET	RC_DC18G-N	N/A	Feb. 24, 2023
Coaxial cable	SKET	RC-DC18G-N	N/A	Feb. 24, 2023
Coaxial cable	SKET	RC-DC40G-N	N/A	Jul. 07, 2022
EMI Test Software	Shurples Technology	EZ-EMC	N/A	N/A

### 5.3.3. Test Data

Please refer to following diagram for individual  
9KHz-30MHz

9KHz-150KHz:

Coaxial:



Site

Limit: FCC Part15.209(9K-30M)

Polarization: **Coaxial**

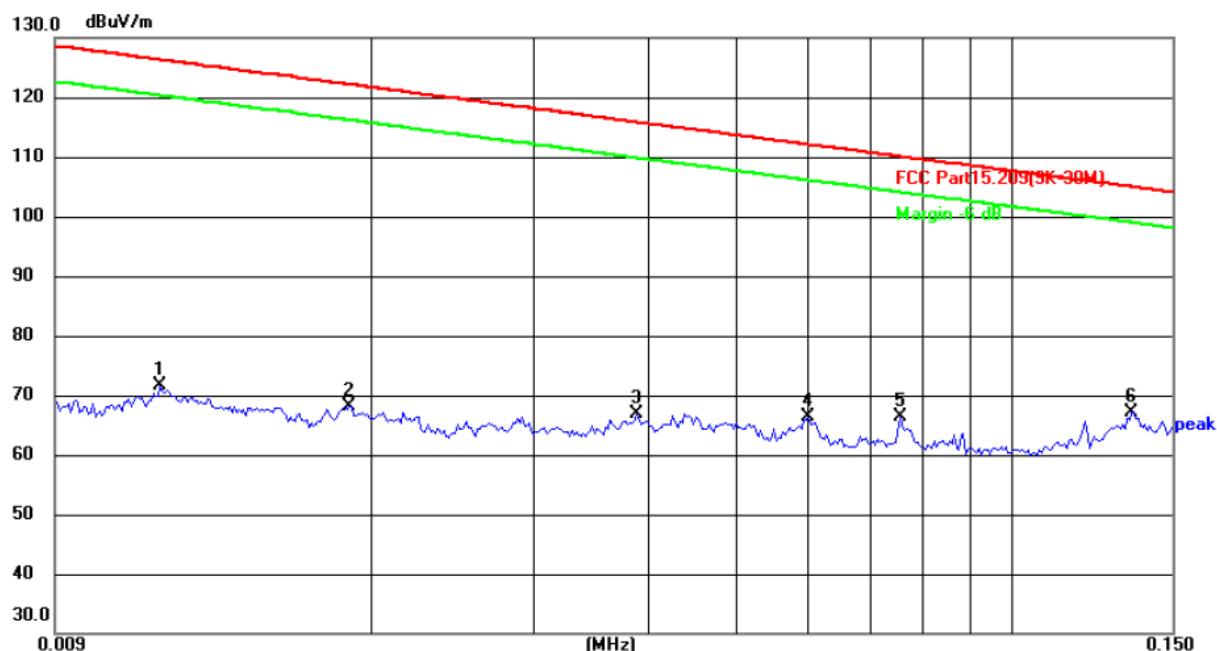
Power: AC 120 V60Hz

Temperature: 24(°C)

Humidity: 52 %

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	0.0094	50.58	20.61	71.19	128.14	-56.95	peak	P	
2	0.0125	51.11	20.80	71.91	125.67	-53.76	peak	P	
3	0.0364	47.76	20.72	68.48	116.38	-47.90	peak	P	
4	0.0439	47.51	20.76	68.27	114.76	-46.49	peak	P	
5	0.0600	45.65	20.79	66.44	112.04	-45.60	peak	P	
6 *	0.1228	46.89	20.34	67.23	105.82	-38.59	peak	P	

Coplanar:



Site

Polarization: **Coplanar**

Temperature: 24(°C)

Limit: FCC Part15.209(9K-30M)

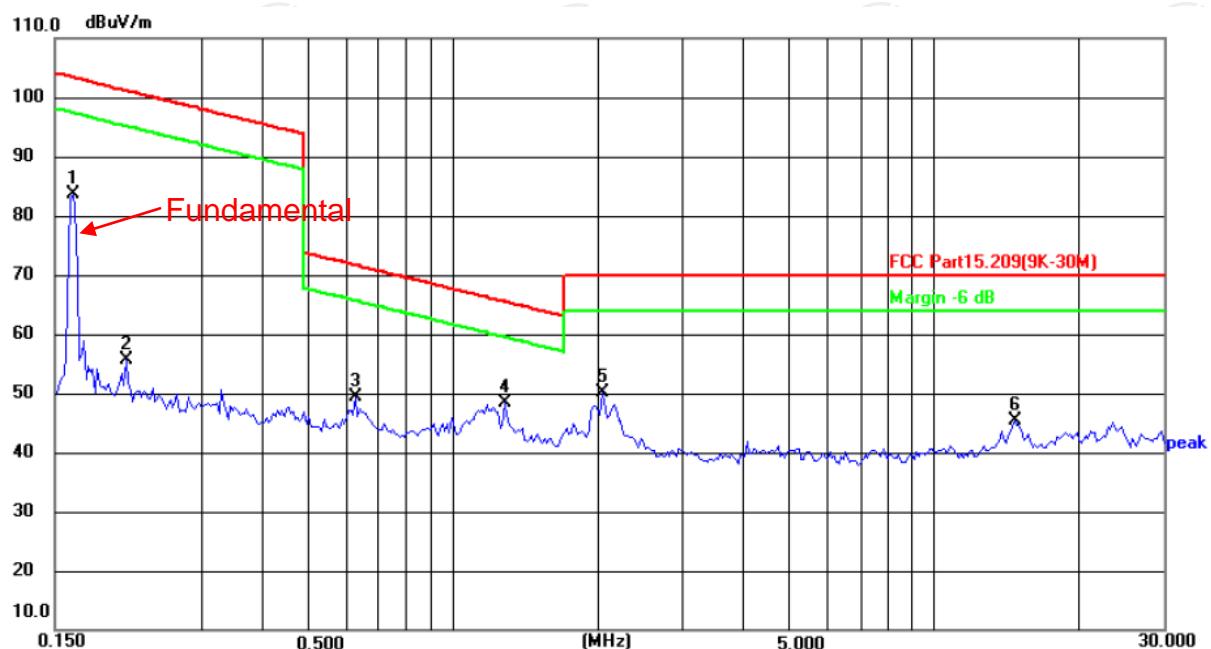
Power: AC 120 V60Hz

Humidity: 52 %

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	0.0117	50.73	20.81	71.54	126.24	-54.70	peak	P	
2	0.0188	47.46	20.76	68.22	122.12	-53.90	peak	P	
3	0.0388	46.11	20.73	66.84	115.83	-48.99	peak	P	
4	0.0600	45.65	20.79	66.44	112.04	-45.60	peak	P	
5	0.0756	45.55	20.84	66.39	110.03	-43.64	peak	P	
6 *	0.1353	46.90	20.28	67.18	104.98	-37.80	peak	P	

150KHz-30MHz:

Coaxial:



Site

Polarization: **Coaxial**

Temperature: 24(°C)

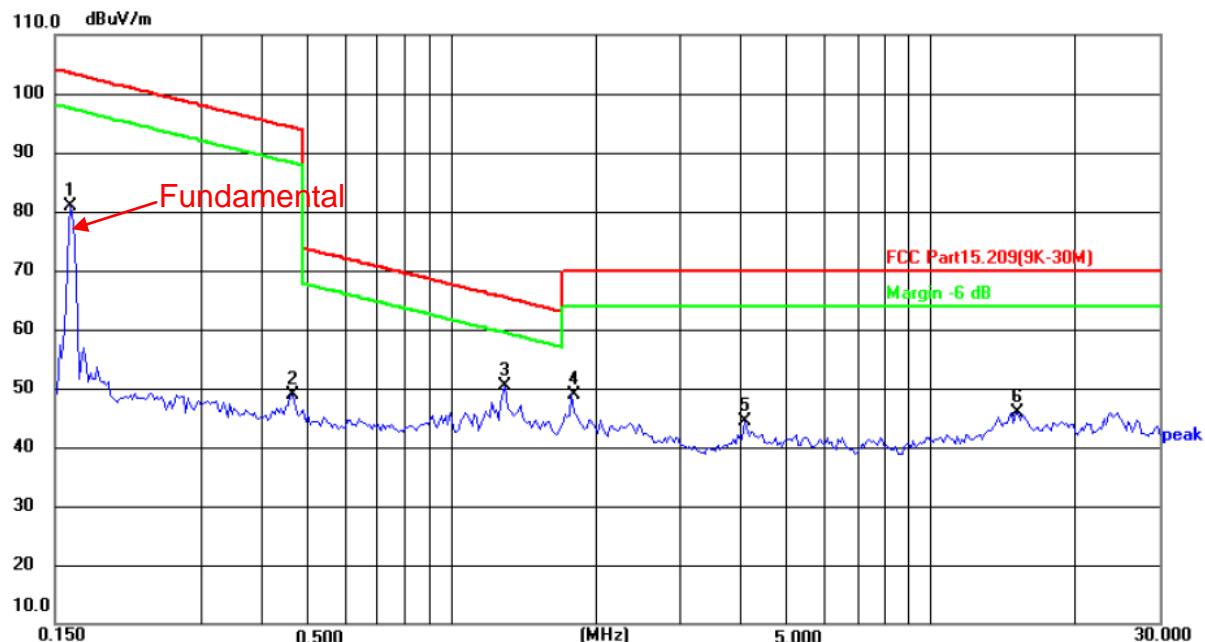
Limit: FCC Part15.209(9K-30M)

Power: AC 120 V60Hz

Humidity: 52 %

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	0.1633	63.04	20.55	83.59	103.34	-19.75	peak	P	
2	0.2106	34.97	20.72	55.69	101.13	-45.44	peak	P	
3	0.6307	27.43	21.88	49.31	71.61	-22.30	peak	P	
4 *	1.2862	25.34	23.14	48.48	65.44	-16.96	peak	P	
5	2.0546	25.48	24.68	50.16	70.00	-19.84	peak	P	
6	14.7077	25.83	19.46	45.29	70.00	-24.71	peak	P	

Coplanar:



Site

Polarization: **Coplanar**

Temperature: 24(°C)

Limit: FCC Part15.209(9K-30M)

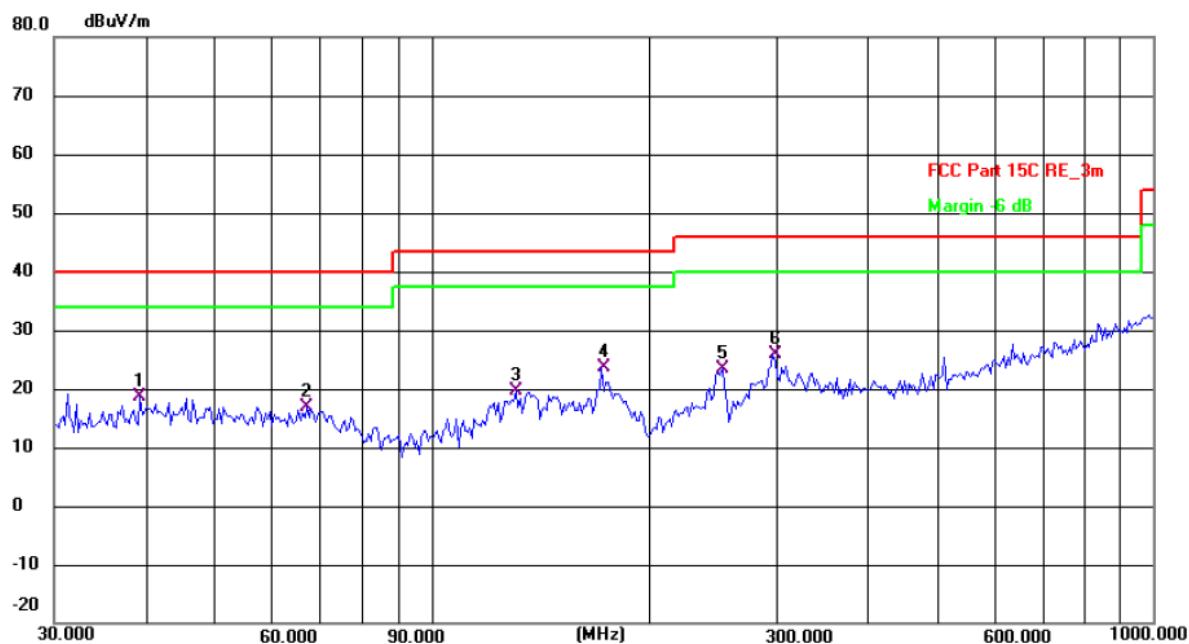
Power: AC 120 V60Hz

Humidity: 52 %

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	0.1615	60.26	20.55	80.81	103.44	-22.63	peak	P	
2	0.4682	27.38	21.54	48.92	94.20	-45.28	peak	P	
3 *	1.3003	27.14	23.17	50.31	65.35	-15.04	peak	P	
4	1.7884	24.69	24.15	48.84	70.00	-21.16	peak	P	
5	4.1025	15.55	28.87	44.42	70.00	-25.58	peak	P	
6	15.1844	26.51	19.41	45.92	70.00	-24.08	peak	P	

30MHz-1GHz

Horizontal:



Site #1 3m Anechoic Chamber

Polarization: **Horizontal**

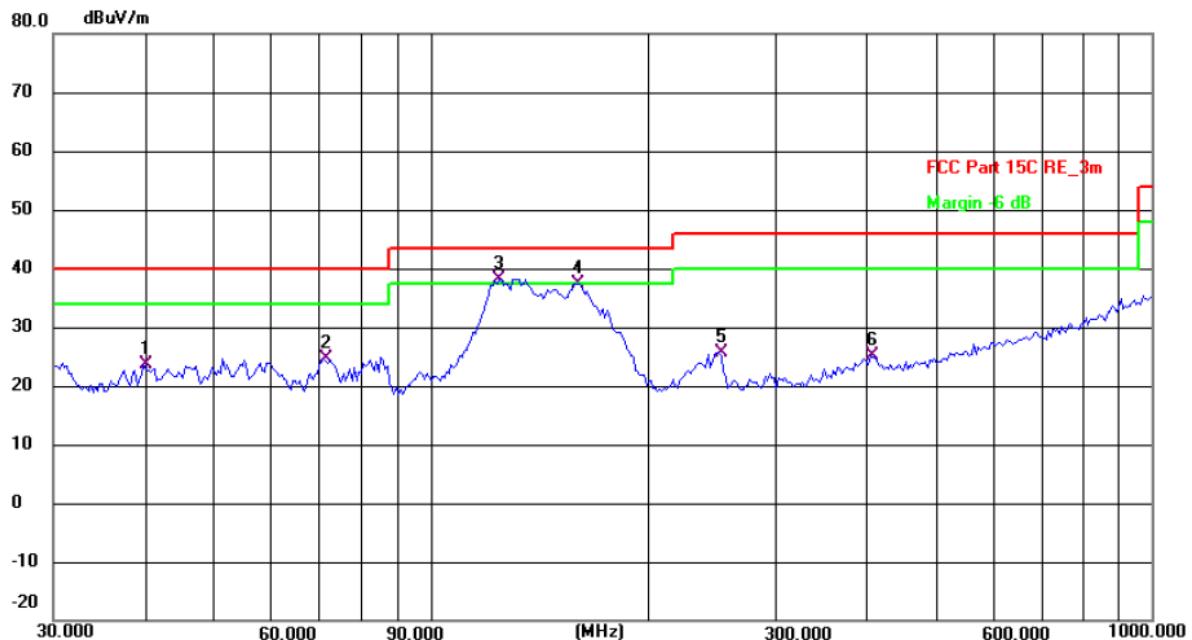
Temperature: 24.5(C) Humidity: 56 %

Limit: FCC Part 15C RE\_3m

Power: AC 120 V/60 Hz

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	39.4371	4.96	13.67	18.63	40.00	-21.37	QP	P	
2	67.2021	5.61	11.26	16.87	40.00	-23.13	QP	P	
3	130.8369	7.54	12.17	19.71	43.50	-23.79	QP	P	
4 *	171.9946	11.31	12.21	23.52	43.50	-19.98	QP	P	
5	252.9481	11.15	12.30	23.45	46.00	-22.55	QP	P	
6	297.2240	12.39	13.44	25.83	46.00	-20.17	QP	P	

Vertical:



Site #1 3m Anechoic Chamber

Polarization: **Vertical**

Temperature: 24.5(C) Humidity: 56 %

Limit: FCC Part 15C RE\_3m

Power: AC 120 V/60 Hz

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F	Remark
1	39.9942	9.95	13.73	23.68	40.00	-16.32	QP	P	
2	71.0803	13.97	10.68	24.65	40.00	-15.35	QP	P	
3 *	124.5690	26.40	11.85	38.25	43.50	-5.25	QP	P	
4	159.2251	24.15	13.35	37.50	43.50	-6.00	QP	P	
5	251.1804	13.34	12.30	25.64	46.00	-20.36	QP	P	
6	407.5145	8.79	16.23	25.02	46.00	-20.98	QP	P	

**Note:**

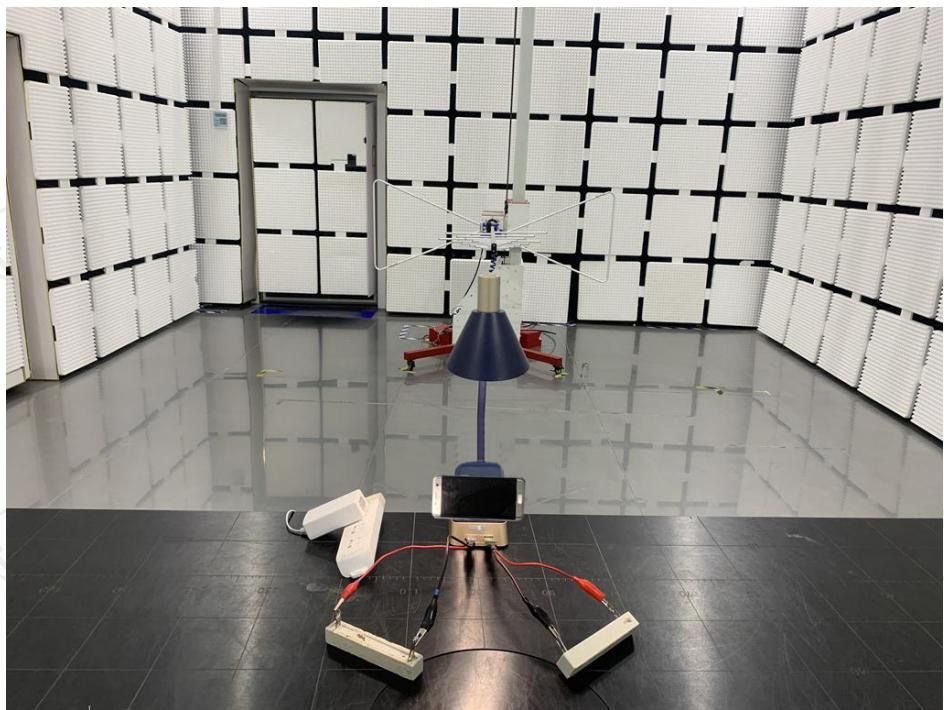
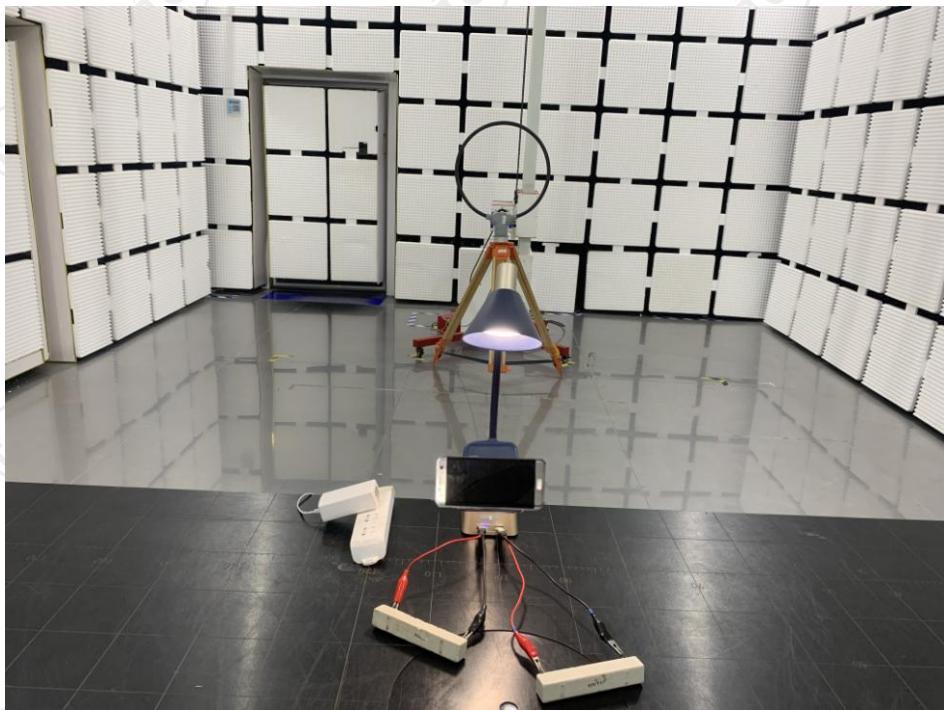
Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss – Pre-amplifier

## Appendix A: Photographs of Test Setup

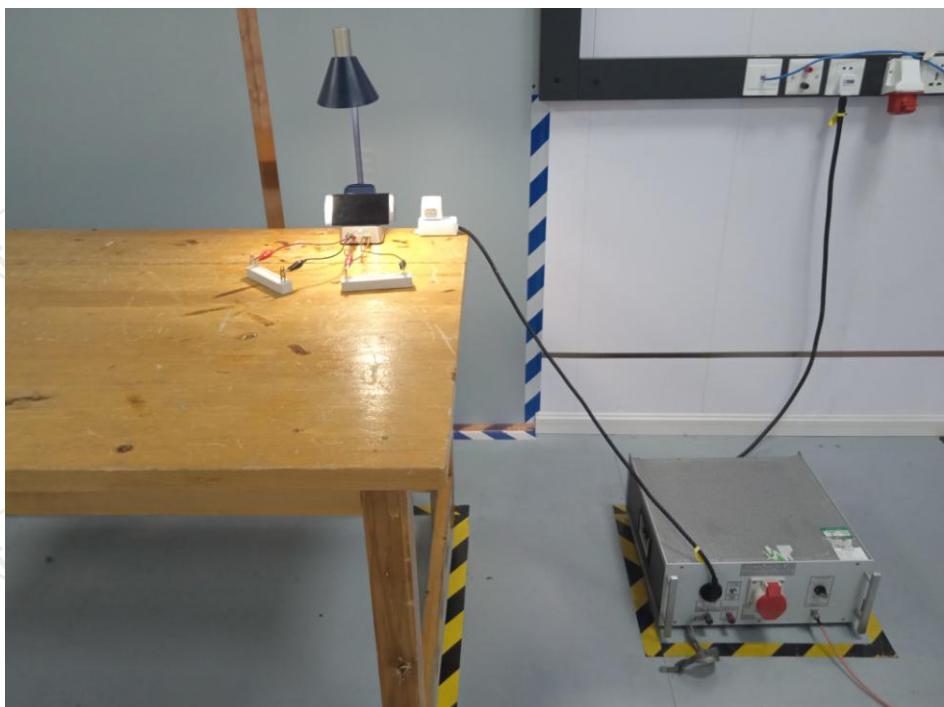
Product: LED table lamp

Model: W20Q10C

Radiated Emission



Conducted Emission



## Appendix B: Photographs of EUT

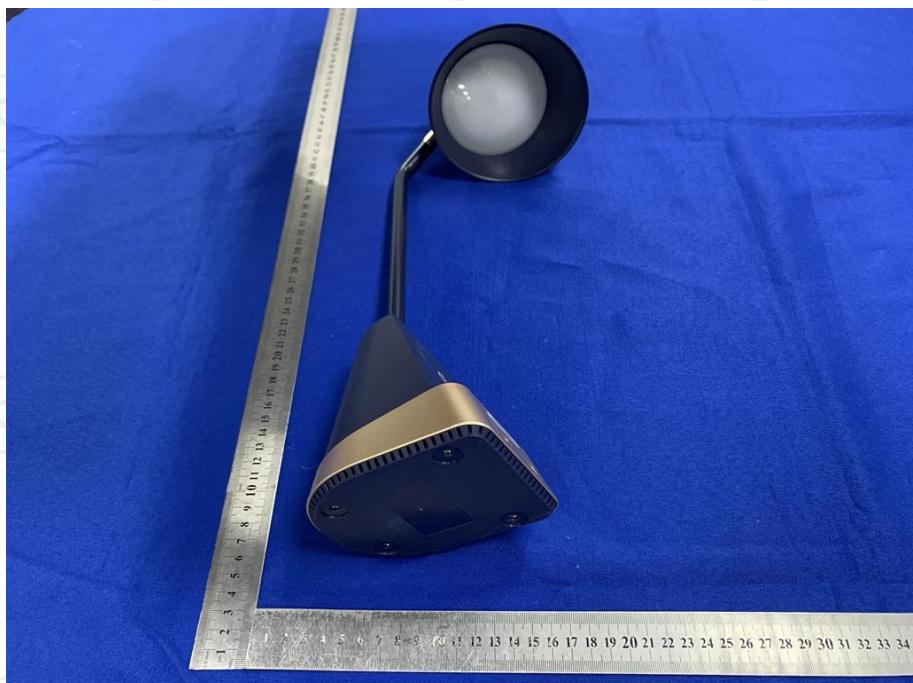
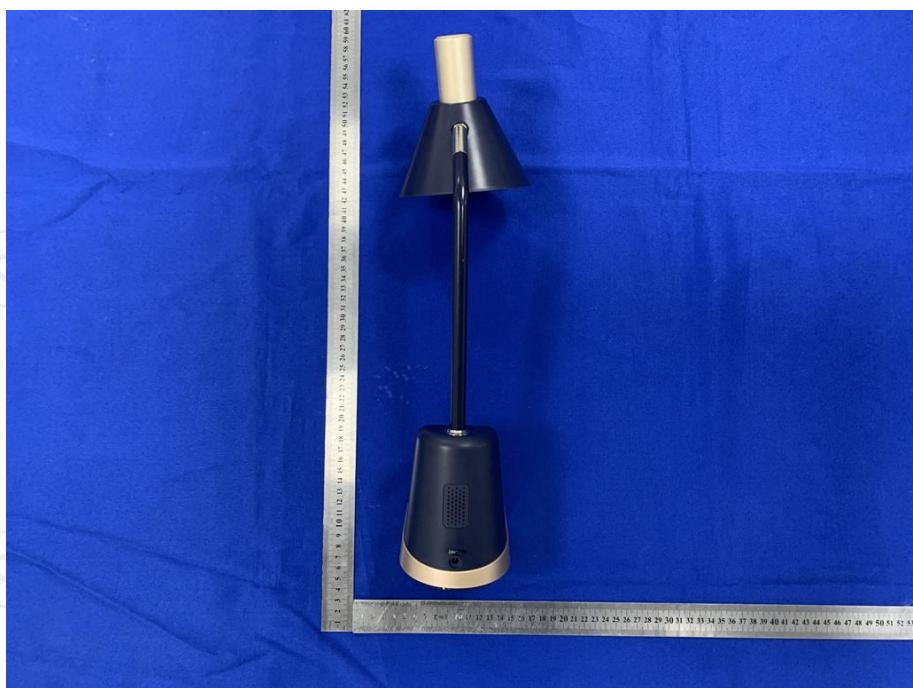
Product: LED table lamp

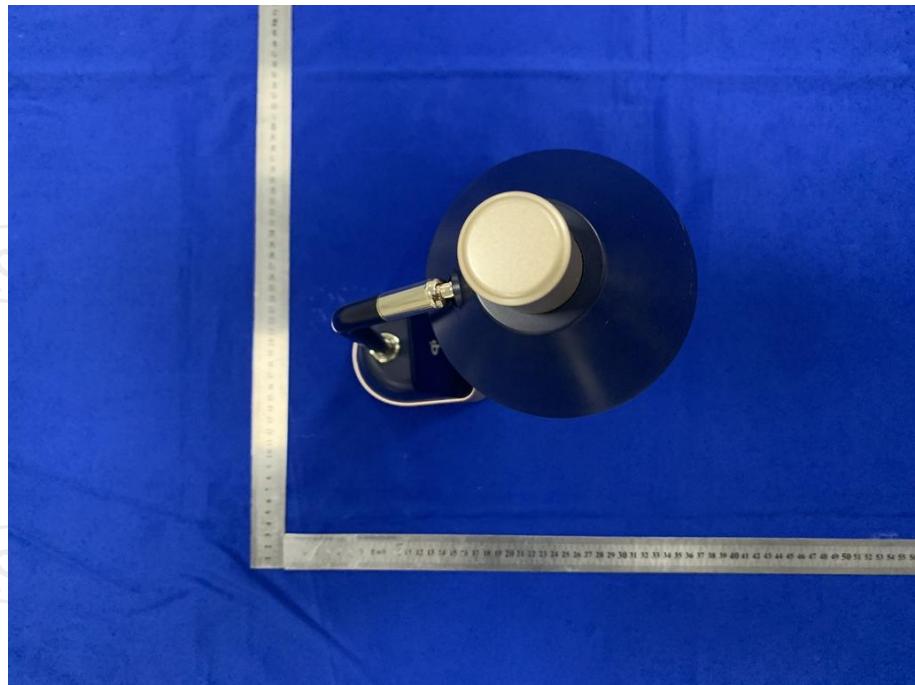
Model: W20Q10C

External Photos

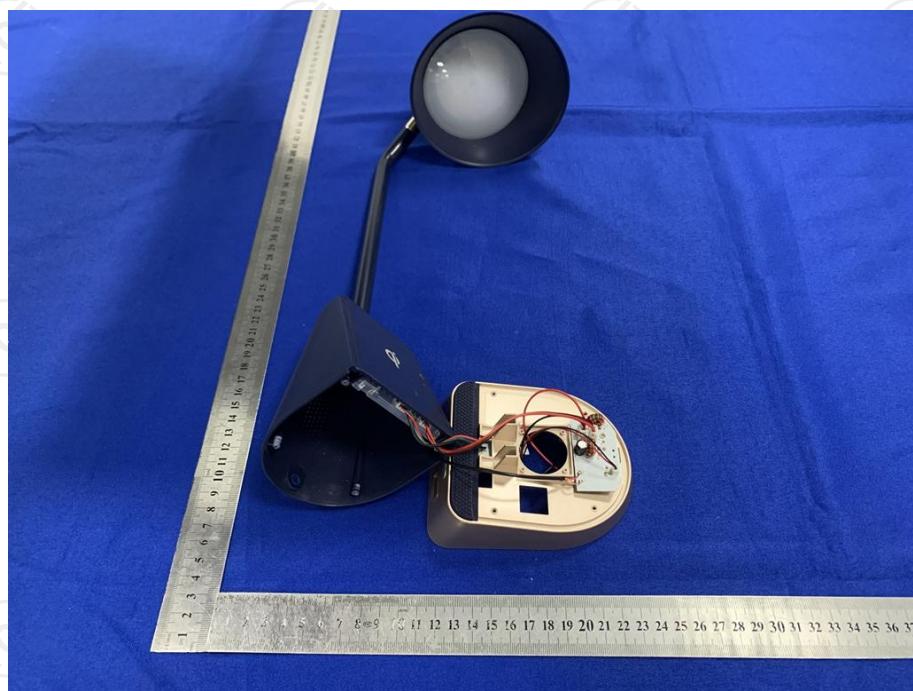


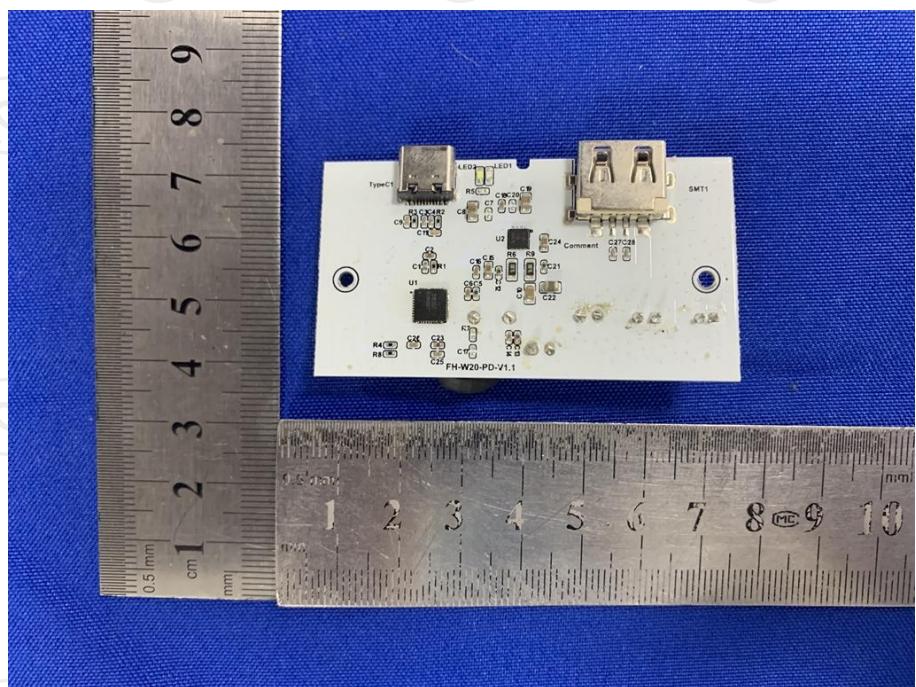
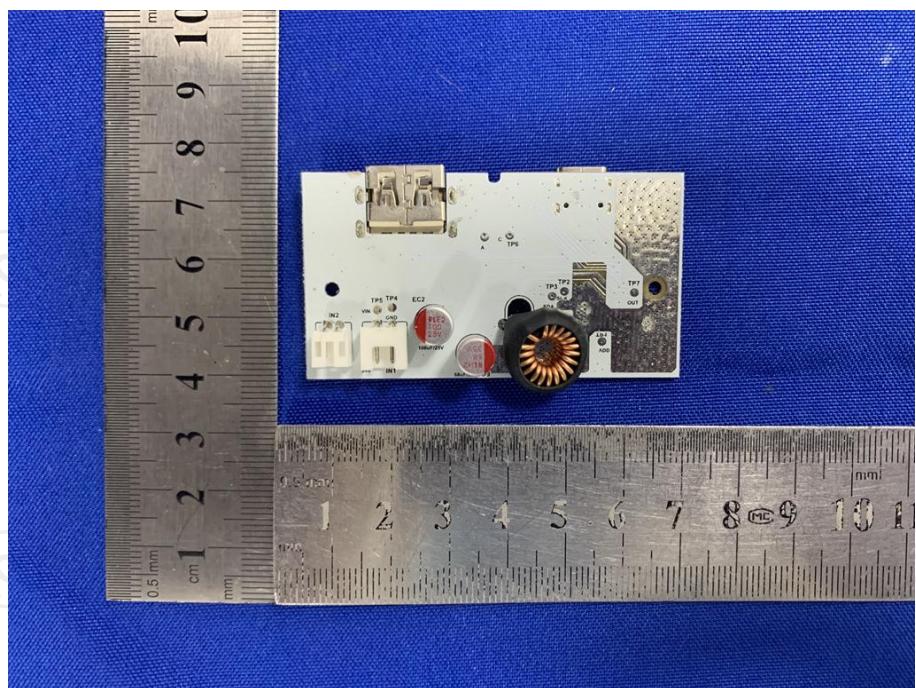


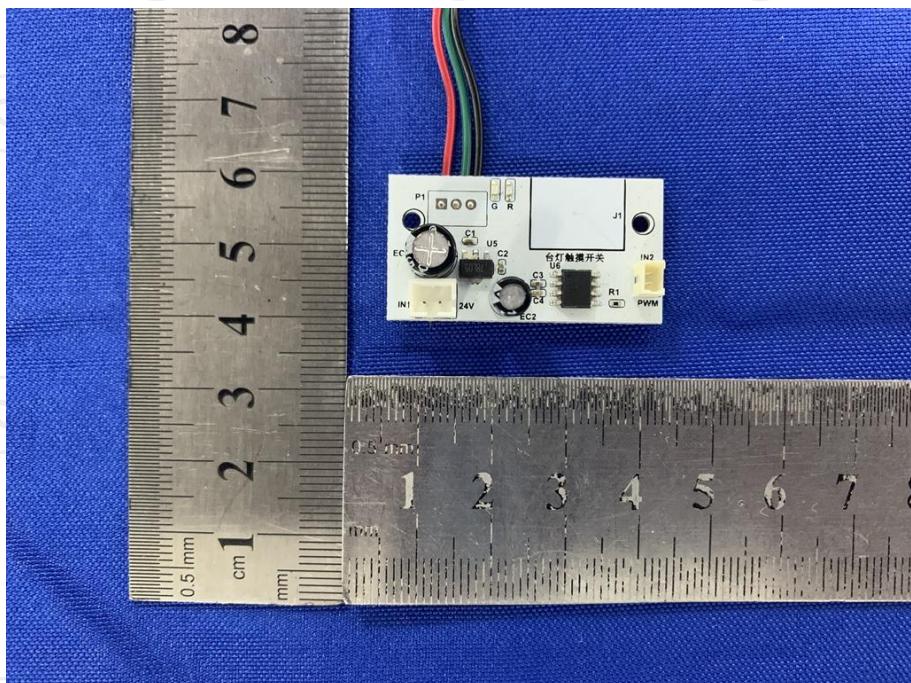
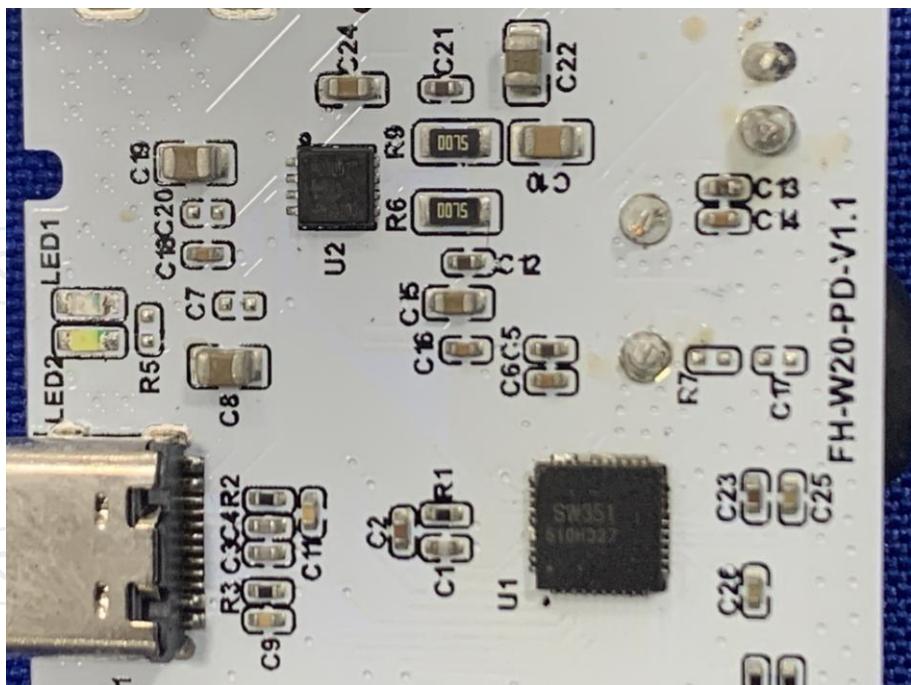


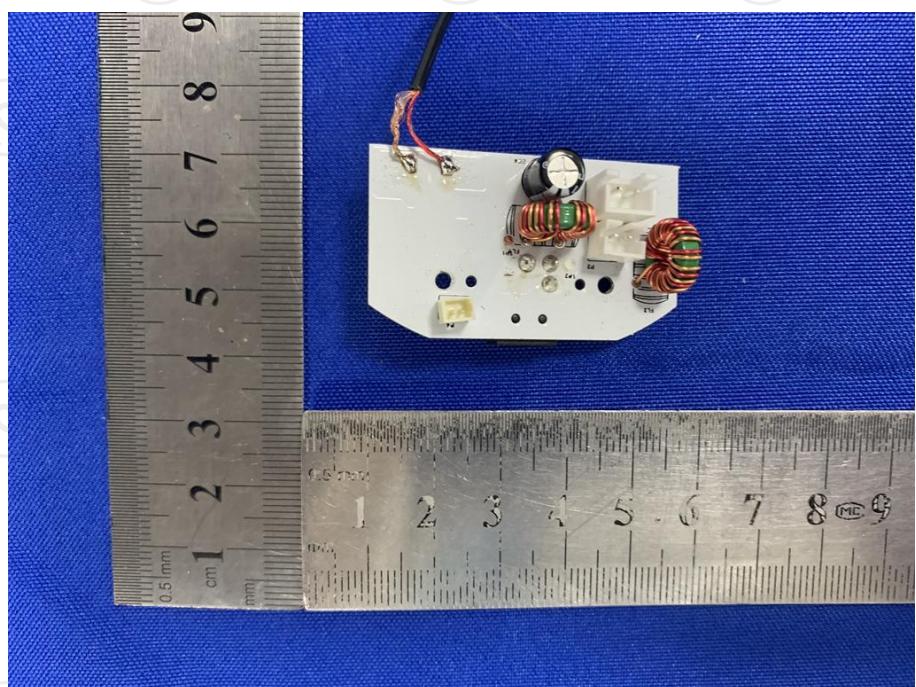
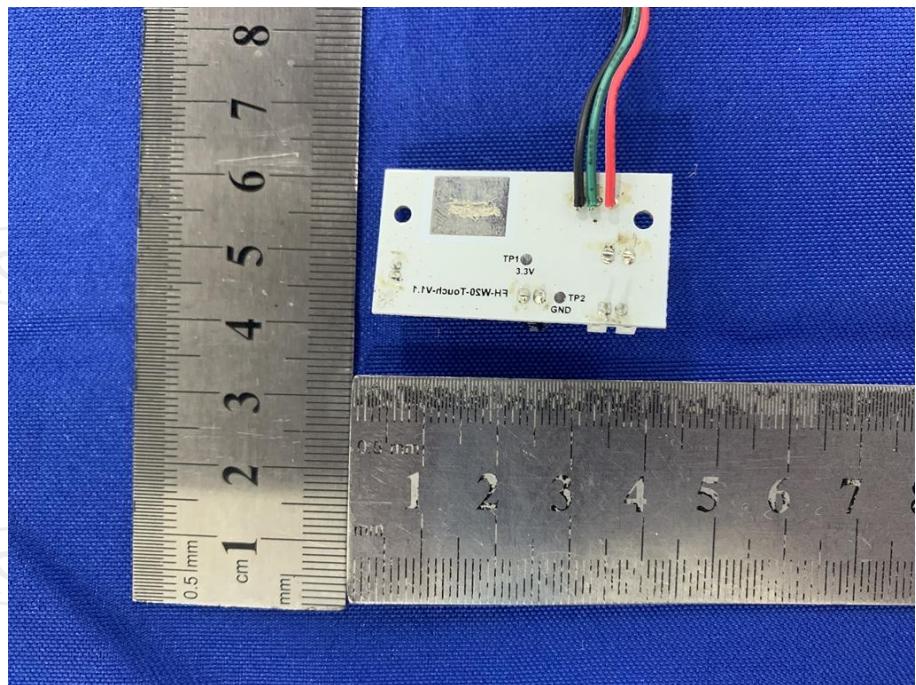


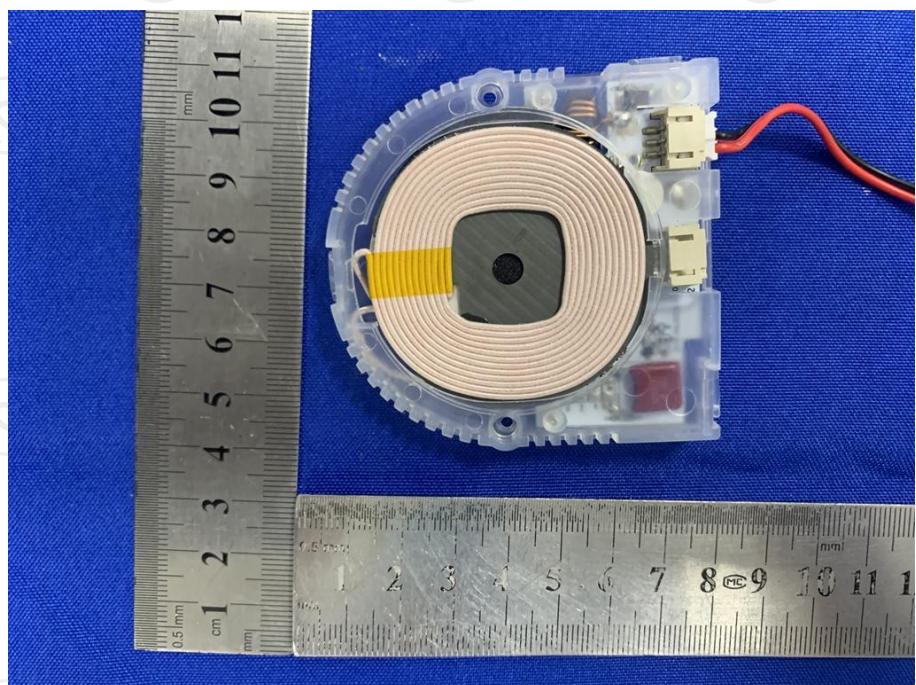
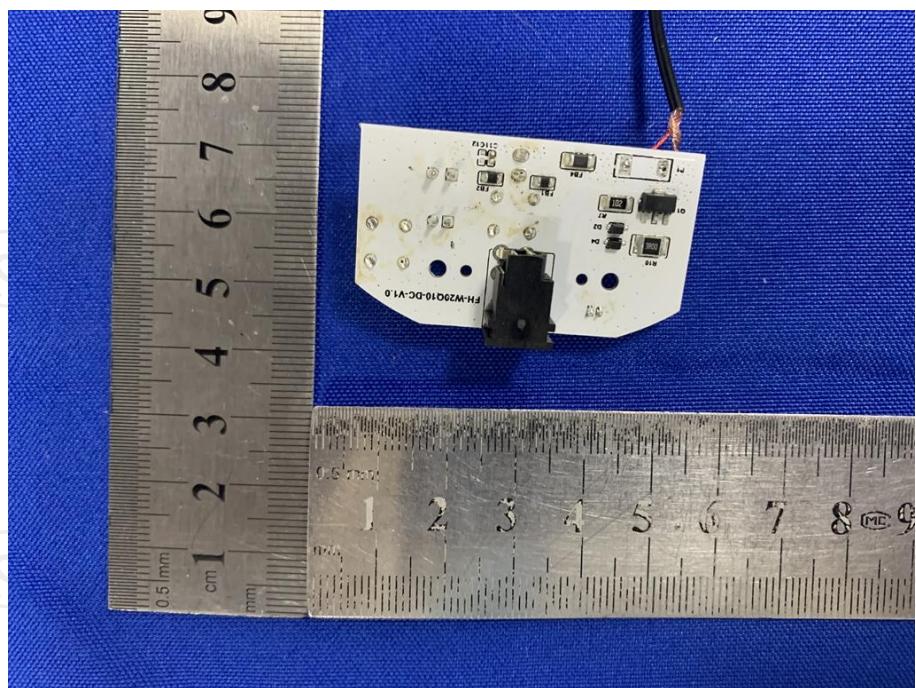
**Product: LED table lamp  
Model: W20Q10C  
Internal Photos**

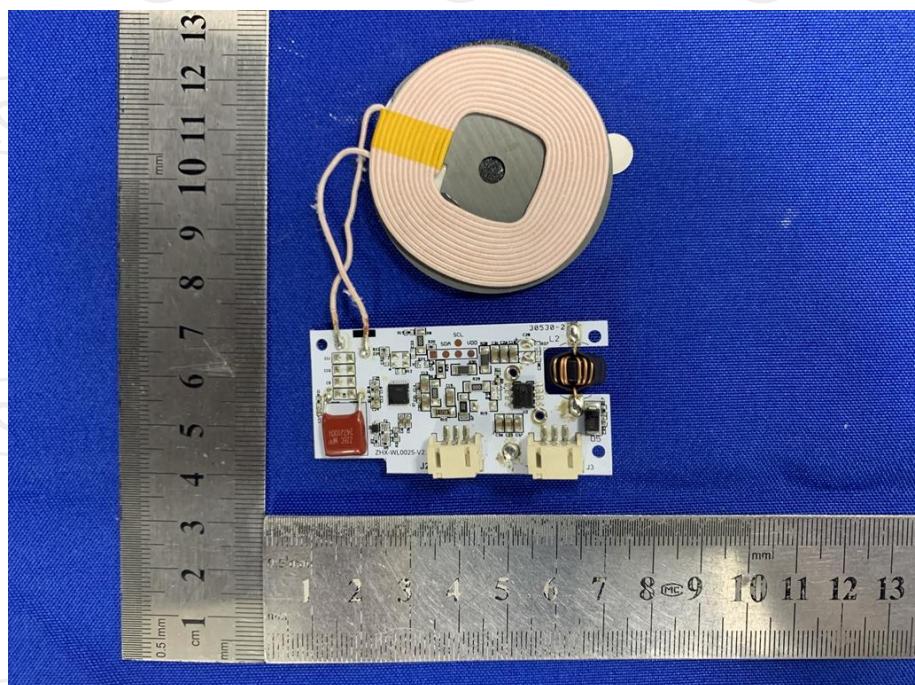
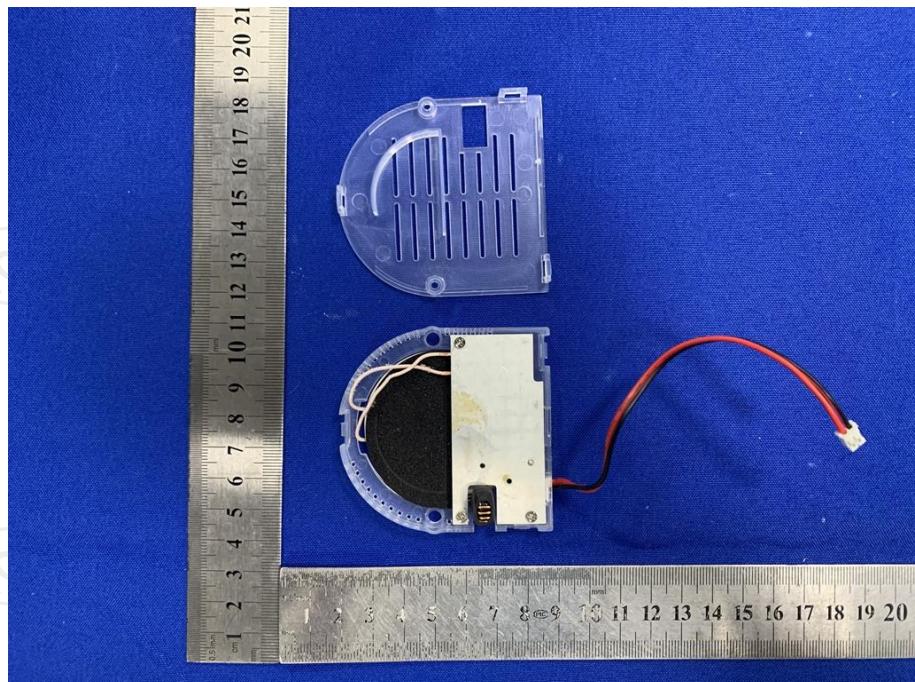


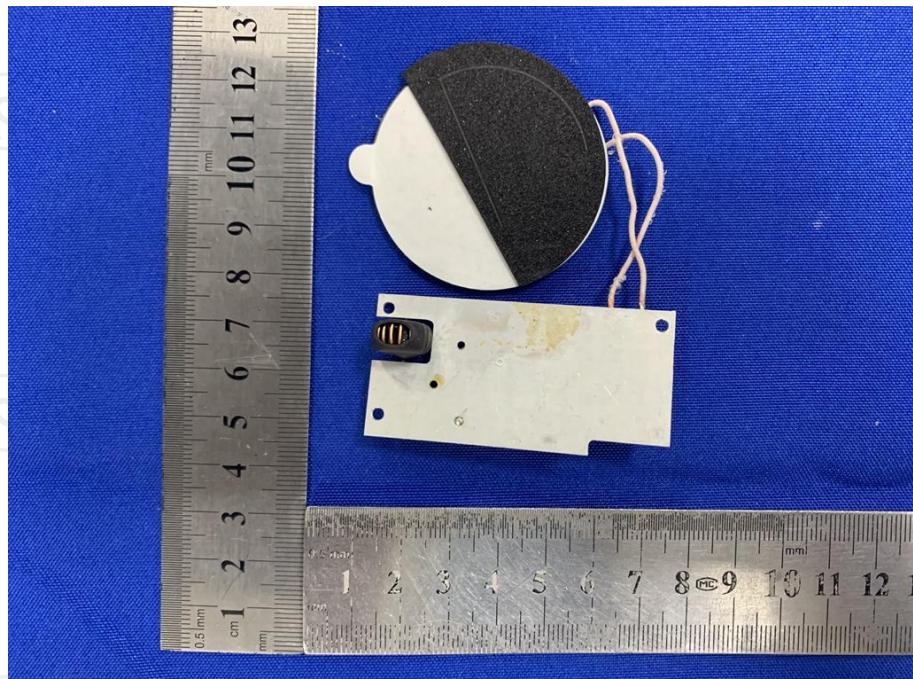
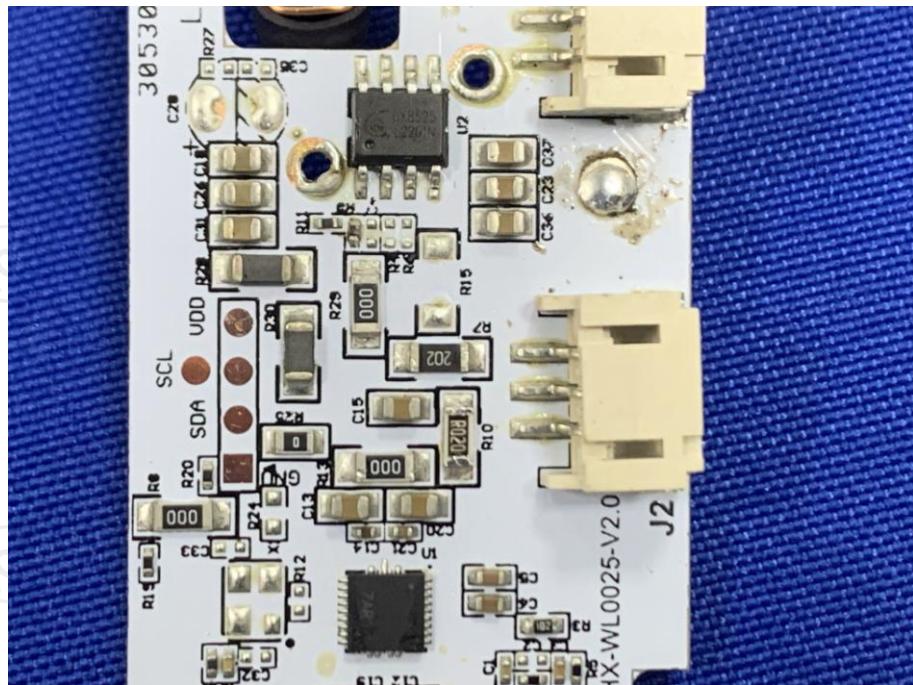












\*\*\*\*\***END OF REPORT**\*\*\*\*\*