



FCC TEST REPORT
For
YJK Technology(SHENZHEN) Co.,Limited
Heating Massage Blade

Model No. : YJK152

Prepared for : YJK Technology(SHENZHEN) Co.,Limited

Address : Room 502, No. 1, East Longxing Science and Technology Park,
Huaning Road, Xinshi Community, Dalang Street, Longhua
District, Shenzhen

Prepared By : Guangdong Lintek Certification Group Co., Ltd.

Address : Room 318, No.116-2, Guanlan Road, Fucheng Street, Longhua
District, Shenzhen, Guangdong, China

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TEST REPORT DECLARATION

Applicant : YJK Technology(SHENZHEN) Co.,Limited
Room 502, No. 1, East Longxing Science and Technology Park,
Huaning Road, Xinshi Community, Dalang Street, Longhua
District, Shenzhen

Manufacturer : YJK Technology(SHENZHEN) Co.,Limited
Room 502, No. 1, East Longxing Science and Technology Park,
Huaning Road, Xinshi Community, Dalang Street, Longhua
District, Shenzhen

EUT Description : Heating Massage Blade

(A) Model No. : YJK152

(B) Trademark : N/A

(C) Ratings Supply : 5Vdc 1A

(D) Test Voltage : 5Vdc

Measurement Standard Used:

FCC Rules and Regulations Part 15 Subpart B Class B,
ANSI C63.4-2014

The device described above is tested by Guangdong Lintek Certification Group Co., Ltd. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The test results are contained in this test report and Guangdong Lintek Certification Group Co., Ltd. is assumed full responsibility for the accuracy and completeness of test. Also, this report shows that the EUT is technically compliant with the FCC Part 15 Subpart B Class B requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Guangdong Lintek Certification Group Co., Ltd.

Tested by (name + signature).....:

Sunny Yuan

Test Engineer

Approved by (name + signature).....:

Kevin Chen

Project Manager

Date of issue.....:

Oct. 22, 2024





1. SUMMARY OF STANDARDS AND RESULTS

1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION			
Description of Test Item	Standard	Limits	Results
Power Line Conducted Emission Test	FCC Part 15 ANSI C63.4: 2014	Class B	PASS
Radiated Emission Test	FCC Part 15 ANSI C63.4: 2014	Class B	PASS
N/A is an abbreviation for Not Applicable.			



2. GENERAL INFORMATION

2.1. Description of Device (EUT)

Description : Heating Massage Blade

Classification : Class III

Model Number : YJK152

DIFF. : N/A

Trademark : N/A

Applicant : YJK Technology(SHENZHEN) Co.,Limited

Address : Room 502, No. 1, East Longxing Science and Technology
Park, Huaning Road, Xinshi Community, Dalang Street,
Longhua District, Shenzhen

Manufacturer : YJK Technology(SHENZHEN) Co.,Limited

Address : Room 502, No. 1, East Longxing Science and Technology
Park, Huaning Road, Xinshi Community, Dalang Street,
Longhua District, Shenzhen

Sample Type : Prototype production



2.2. Block Diagram of connection between EUT and simulators



EUT: Heating Massage Blade

2.3. Test Facility

2.3.1. Laboratory Name:

Guangdong LinteK Certification Group Co., Ltd.

2.3.2. Site Location :

Room 318, No.116-2, Guanlan Road, Fucheng Street, Longhua District,
Shenzhen, Guangdong, China

2.4. Measurement Uncertainty (95% confidence levels, k=2)

Test Item	Uncertainty	U _{cispr}
Uncertainty for Conduction emission test	2.50dB	3.8 dB
Uncertainty for Radiation Emission test	3.04 dB (Distance: 3m Polarize: V)	5.2 dB
	3.02 dB (Distance: 3m Polarize: H)	
Uncertainty for Power Clamp Test	3.94 dB	4.5 dB
Uncertainty for Flicker test	0.05%	N/A
Uncertainty for Harmonic test	1.8%	N/A



2.5.Test mode Description

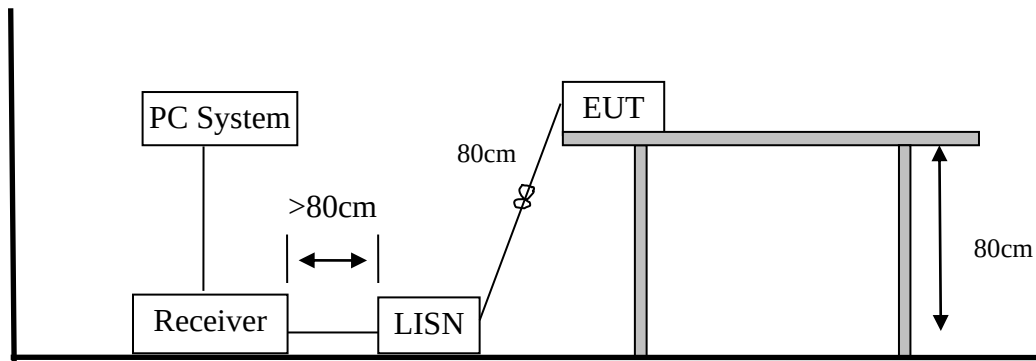
No.	Test Mode
1.	Normal working
Note:	

3. POWER LINE CONDUCTED EMISSION TEST

3.1. Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESCI	100873	May.06, 24	1 Year
2.	L.I.S.N.#1	Schwarzbeck	NSLK8126	8126-466	May.06, 24	1 Year
3.	RF Cable	Schwarzbeck	Cable 2	2M	May.06, 24	1 Year
4.	Coaxial Switch	Schwarzbeck	CX-210	N/A	May.06, 24	1 Year
5.	Pulse Limiter	Schwarzbeck	9516F	9618	May.06, 24	1 Year

3.2. Block Diagram of Test Setup



3.3. Conducted Disturbance at Mains Terminals Test Standard and Limit

Frequency	At mains terminals (dB μ V)	
	Quasi-peak Level	Average Level
150kHz ~ 500kHz	66 ~ 56 *	56 ~ 46 *
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. Emission level=Read level+LISN factor-Preamp factor+Cable loss

2* Decreasing linearly with logarithm of frequency.

3. The lower limit shall apply at the transition frequencies.

3.4. EUT Configuration on Test

The following equipment are installed on Power Line Conducted Emission Test to meet



the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

3.5. Operating Condition of EUT

3.5.1. Setup the EUT as shown in section 3.2.

3.5.2. Turned on the power of all equipments.

3.5.3. Let the EUT worked in test mode 15 minutes after taking the test.

3.6. Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power connected to the power mains through a line impedance stabilization network (L.I.S.N. #1). The power line was checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4 on Conducted Disturbance at Mains Terminals test.

The bandwidth of test receiver (R & S ESCI) is set at 10kHz.

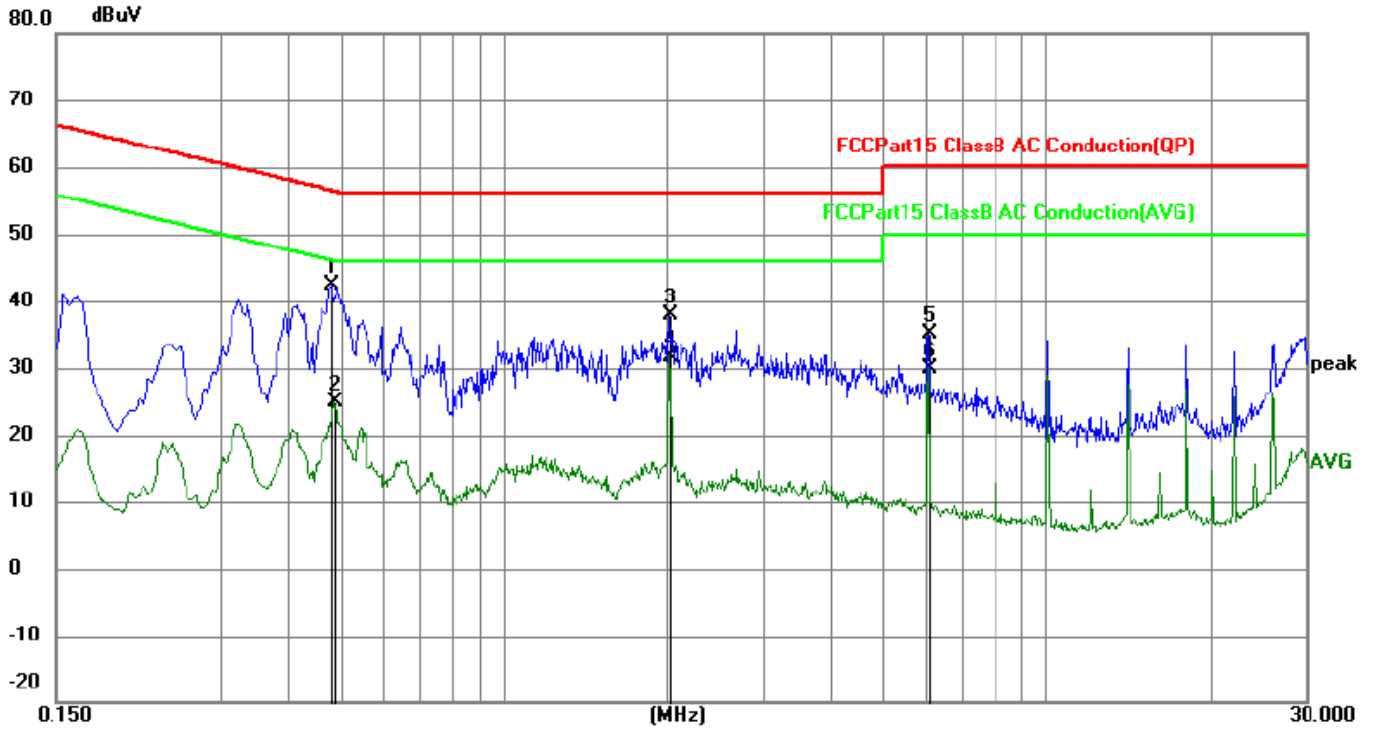
The frequency range from 150kHz to 30MHz is checked. The test result are reported on Section 3.7.

3.7. Conducted Disturbance at Mains Terminals Test Results

PASS



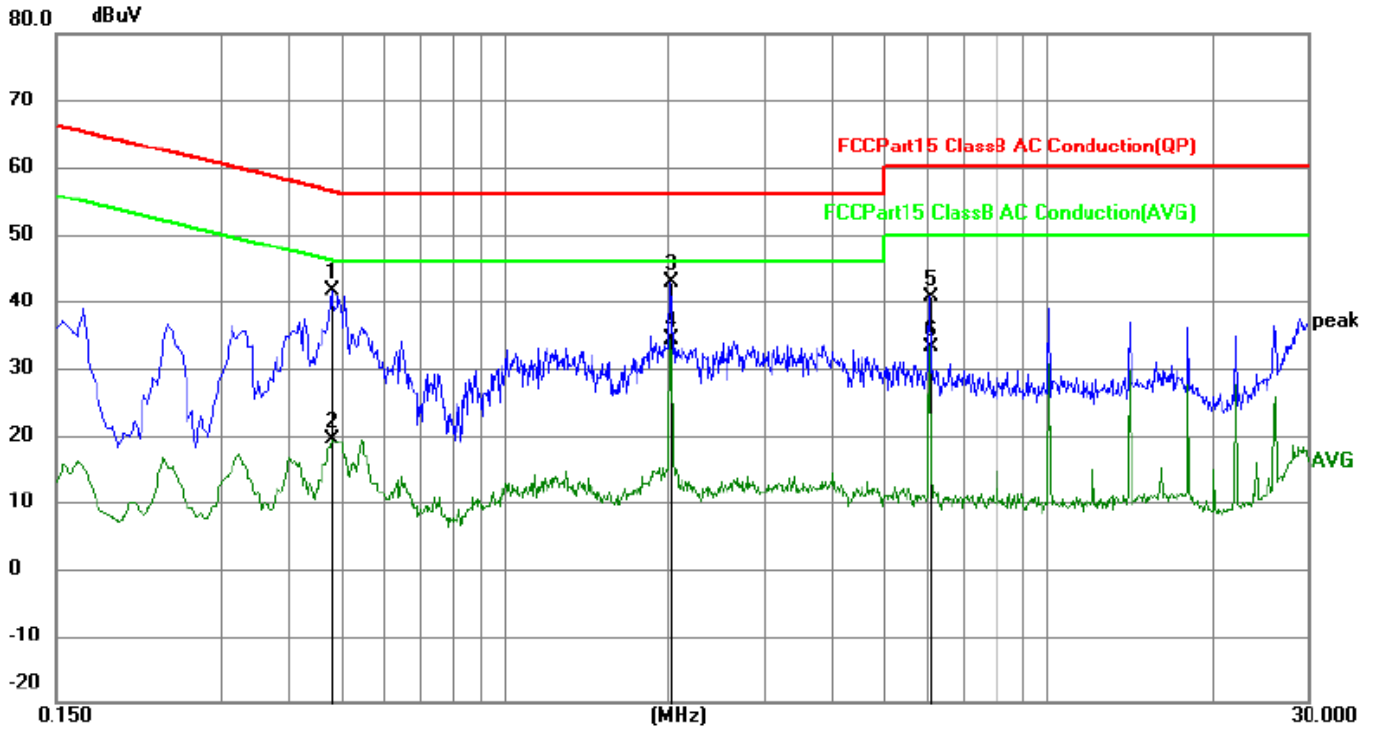
L



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.4830	32.56	9.93	42.49	56.29	-13.80	peak	P	
2	0.4875	14.84	9.94	24.78	46.21	-21.43	AVG	P	
3	2.0220	27.91	9.85	37.76	56.00	-18.24	peak	P	
4	2.0220	21.90	9.85	31.75	46.00	-14.25	AVG	P	
5	6.0630	25.28	9.83	35.11	60.00	-24.89	peak	P	
6	6.0630	20.17	9.83	30.00	50.00	-20.00	AVG	P	



N



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.4830	31.67	9.93	41.60	56.29	-14.69	peak	P	
2	0.4830	9.55	9.93	19.48	46.29	-26.81	AVG	P	
3	2.0220	33.11	9.85	42.96	56.00	-13.04	peak	P	
4	2.0220	24.61	9.85	34.46	46.00	-11.54	AVG	P	
5	6.0675	30.87	9.83	40.70	60.00	-19.30	peak	P	
6	6.0675	23.40	9.83	33.23	50.00	-16.77	AVG	P	



4. RADIATED EMISSION TEST

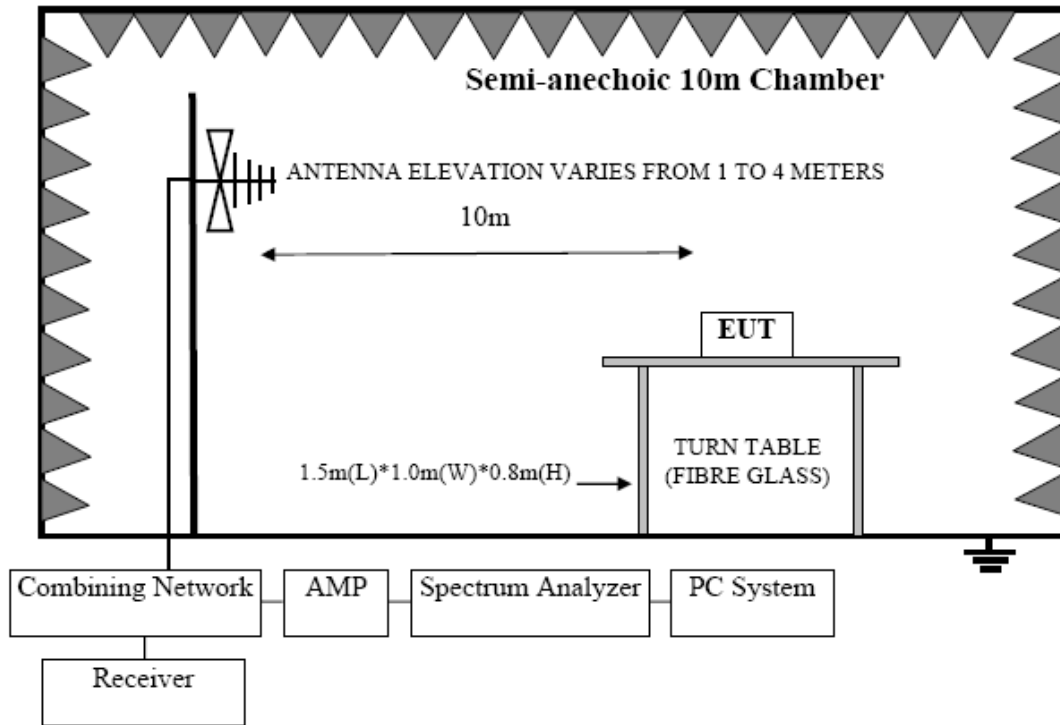
4.1. Test Equipments

4.1.1. For frequency range 30MHz~1000MHz (At Semi Anechoic Chamber)

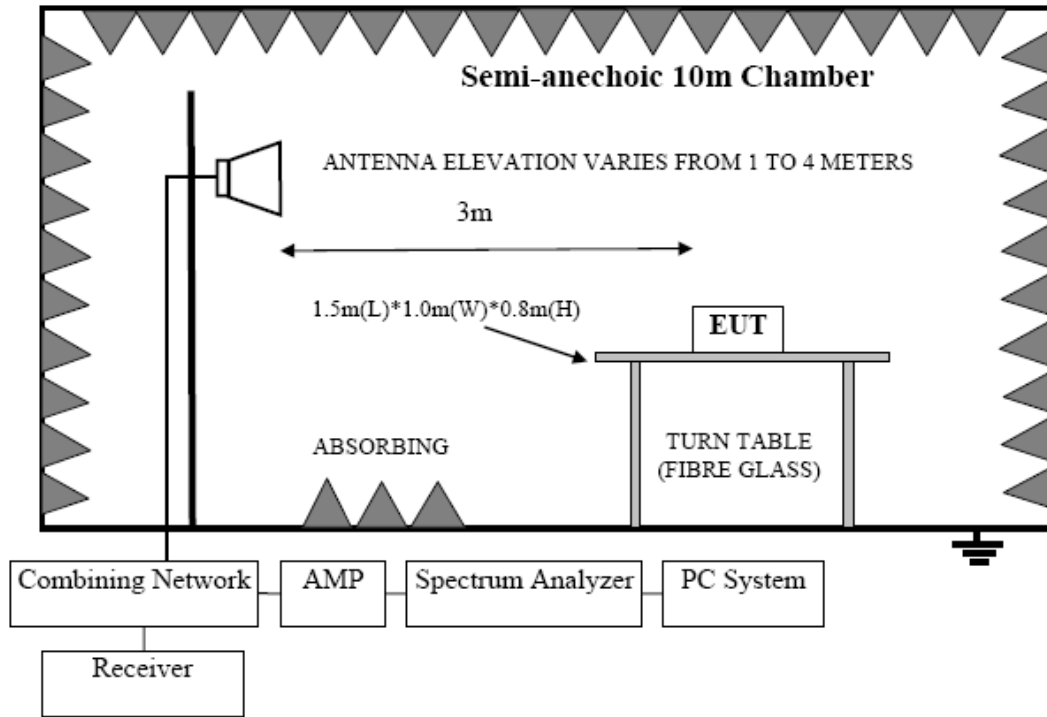
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Test Receiver	Rohde&Schwarz	ESCI	101165	May.06, 24	1 Year
2	Amplifier	QuieTek	AP/0100A	0506005	May.06, 24	1 Year
3	Coaxial Switch	ANRITSUCORP	MP5913	6200615651	N/A	N/A
4	Bilog Antenna	Schwarzbeck	VULB 9168	9168-438	May.06, 24	1 Year
5	Spectrum Analyzer	Agilent	E4407B	MY49510055	May.06, 24	1 Year
6	Horn Antenna	Schwarzbeck	BBHA 9120 D	BBHA 9120 D(1201)	May.06, 24	1 Year
7	Amplifier	Quietek	AP-180C	CHM-0602012	May.06, 24	1 Year

4.2. Block Diagram of Test Setup

4.2.1. In Semi Anechoic Chamber (3m) Test Setup Diagram for 30MHz~1000MHz



4.2.2. In Semi Anechoic Chamber (3m) Test Setup Diagram for 1000MHz~6000MHz



4.3. Radiated Emission Limit

All emanations from a devices or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

Frequency MHz	Distance (Meters)	Field Strengths Limits dB(μ V)/m
30 ~ 88	3	40.0
88 ~ 216	3	43.5
216 ~ 960	3	46.0
960 ~ 1000	3	54.0
1000 ~ 6000	3	74(Peak) 54(Average)

- Remark: (1) Emission level = Read level+Antenna Factor-Preamplifier Factor +Cable Loss
(2) The smaller limit shall apply at the cross point between two frequency bands.
(3) Distance is the distance in meters between the measuring instrument, antenna



and the closest point of any part of the device or system.

4.4. EUT Configuration on Test

The following equipment are installed on Radiated Emission Test to meet the commission requirements and operating regulations in a manner that tends to maximize its emission characteristics in normal application.

4.4.1. Support Equipments : As Tested Supporting System Detail, in Section 2.2.

4.5. Operating Condition of EUT

4.5.1. Setup the EUT and simulator as shown as Section 5.2.

4.5.2. Turned on the power of all equipment.

4.5.3. Let the EUT work in test mode 15 minutes after taking the test.

4.6. Test Procedure

The EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber. An antenna was located 3m from the EUT on an adjustable mast. A pre-scan was first performed in order to find prominent radiated emissions. For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all the interface cables were changed according to EN ANSI C63.4 on Radiated Emission test.

The bandwidth setting on the test receiver (Rohde&Schwarz Test Receiver ESCI) is 120 kHz.

4.7. Test result

PASS. (All emissions not reported below are too low against the prescribed limits. Only report the worst result for all 4 models)

The EUT with the following test mode was tested and read QP values, the test results are listed in next pages.

Temperature: 24.2°C Humidity: 54%

The details of test mode is as follows :



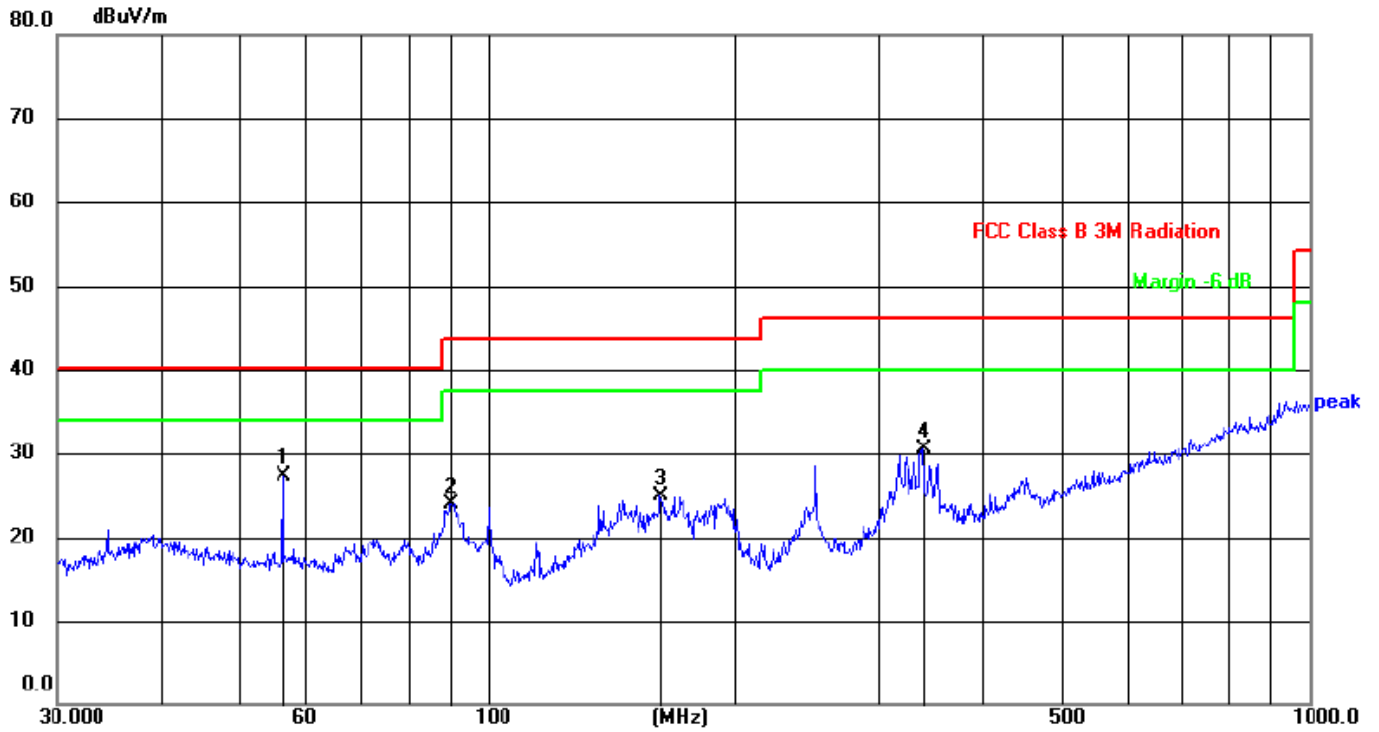
No.	Test Mode
1.	Normal working

For frequency range 1GHz~6GHz

The highest frequency of the internal sources of the EUT is less than 108 MHz, the measurement shall only be made up to 1 GHz. So the frequency rang 1GHz-6GHz radiation test not applicable.



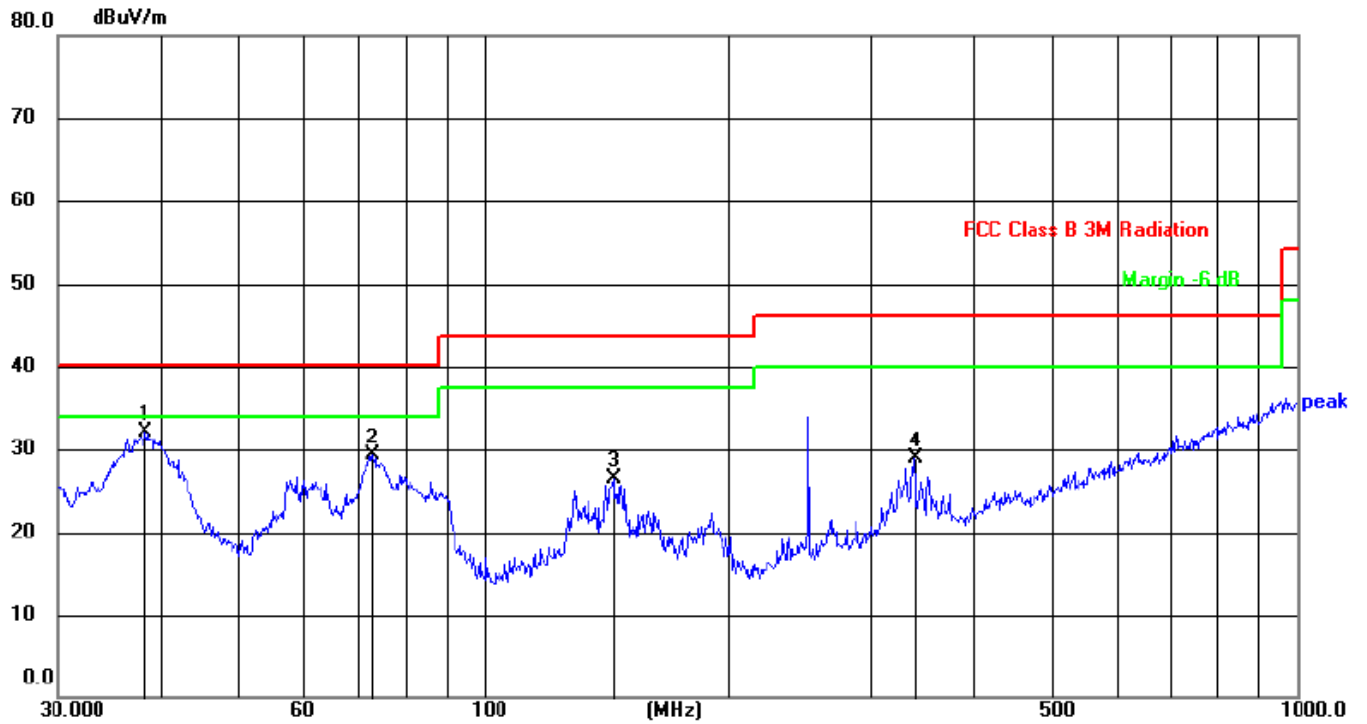
Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	56.3948	49.59	-22.28	27.31	40.00	-12.69	peak				
2	89.9047	49.41	-25.41	24.00	43.50	-19.50	peak				
3	162.0414	45.56	-20.65	24.91	43.50	-18.59	peak				
4	338.4001	49.79	-19.35	30.44	46.00	-15.56	peak				



Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	38.3462	53.26	-21.20	32.06	40.00	-7.94	peak				
2	73.1025	54.03	-24.76	29.27	40.00	-10.73	peak				
3	144.3348	47.69	-21.14	26.55	43.50	-16.95	peak				
4	338.4001	48.19	-19.35	28.84	46.00	-17.16	peak				

5. PHOTO OF THE EUT



Fig. 1



Fig. 2

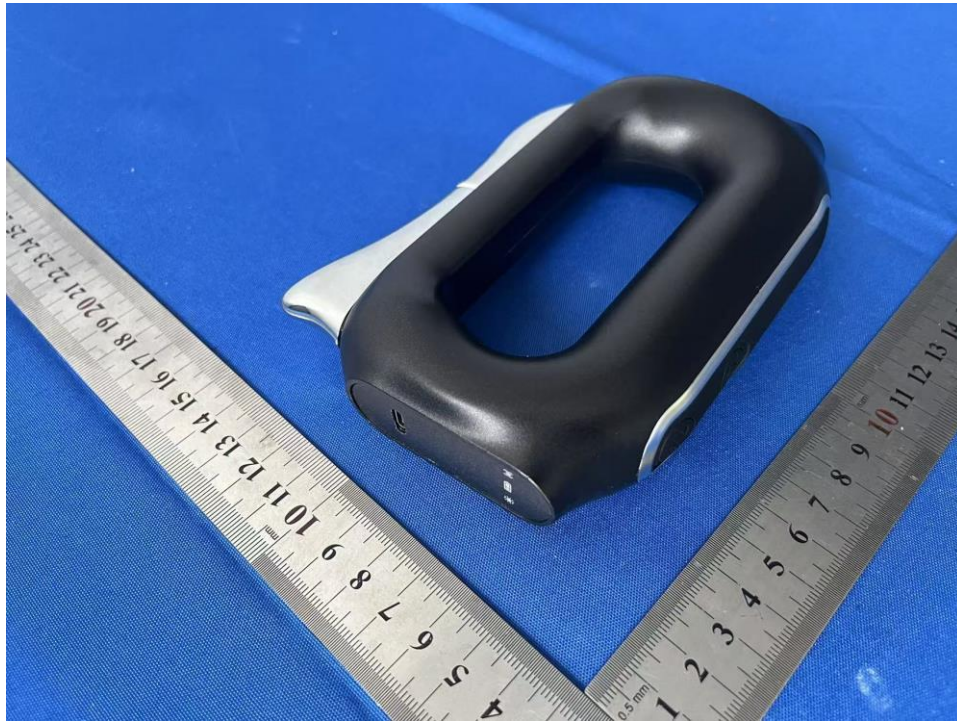


Fig. 3



Fig. 4

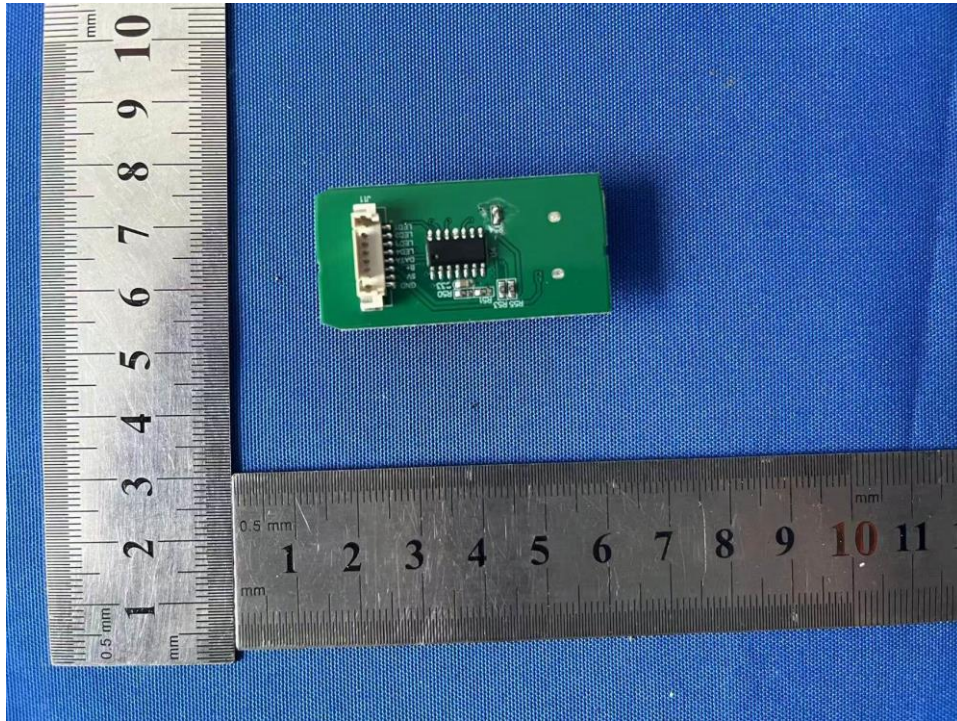


Fig. 5

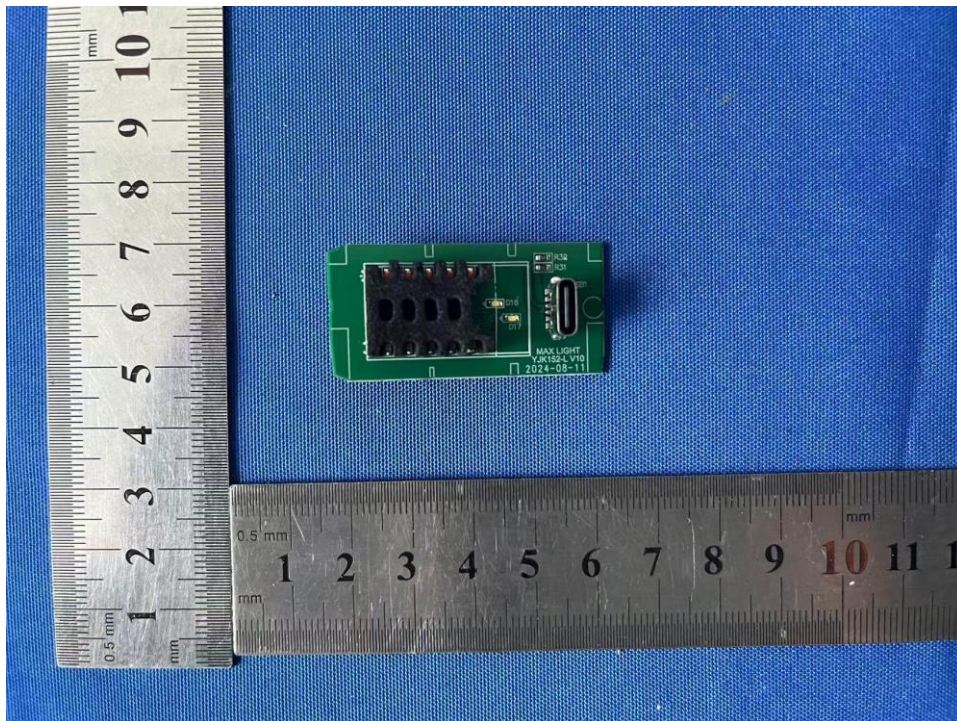


Fig. 6

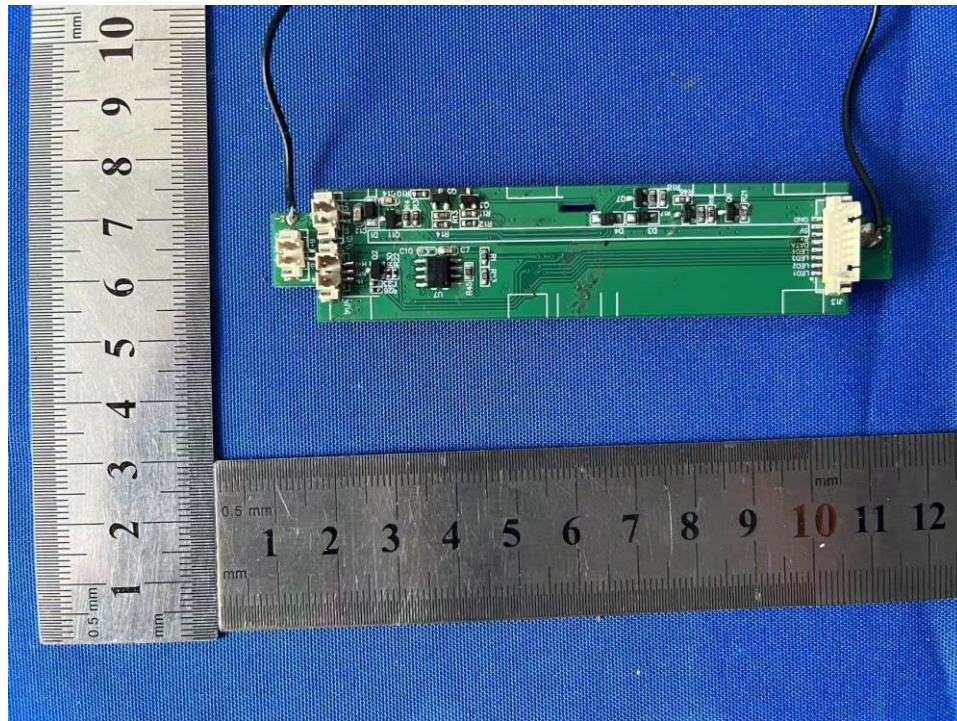


Fig. 7

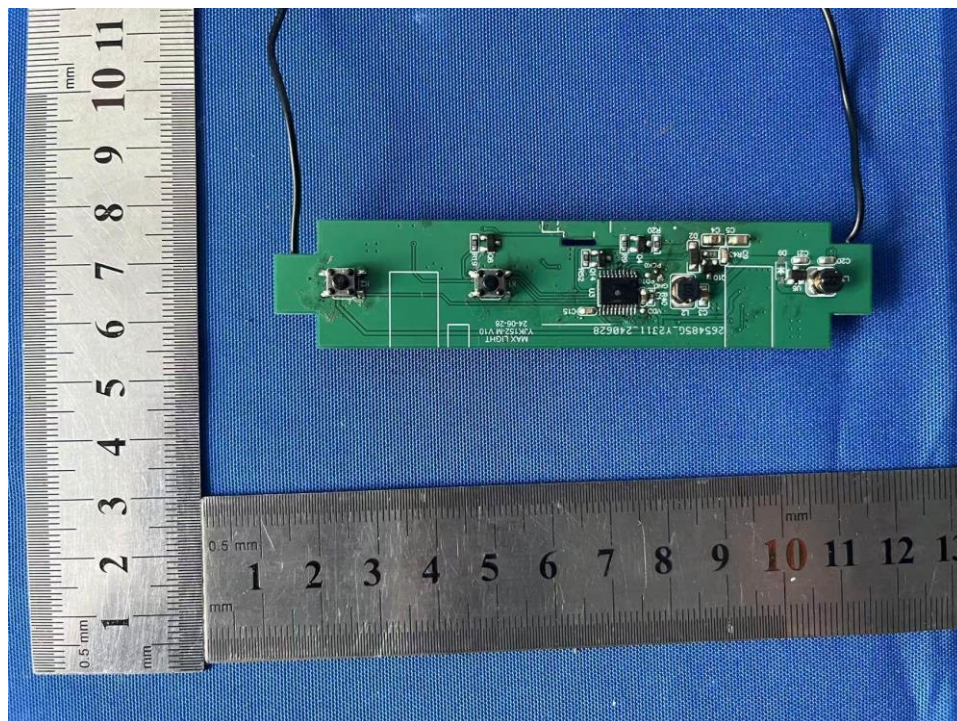


Fig. 8



Fig. 9

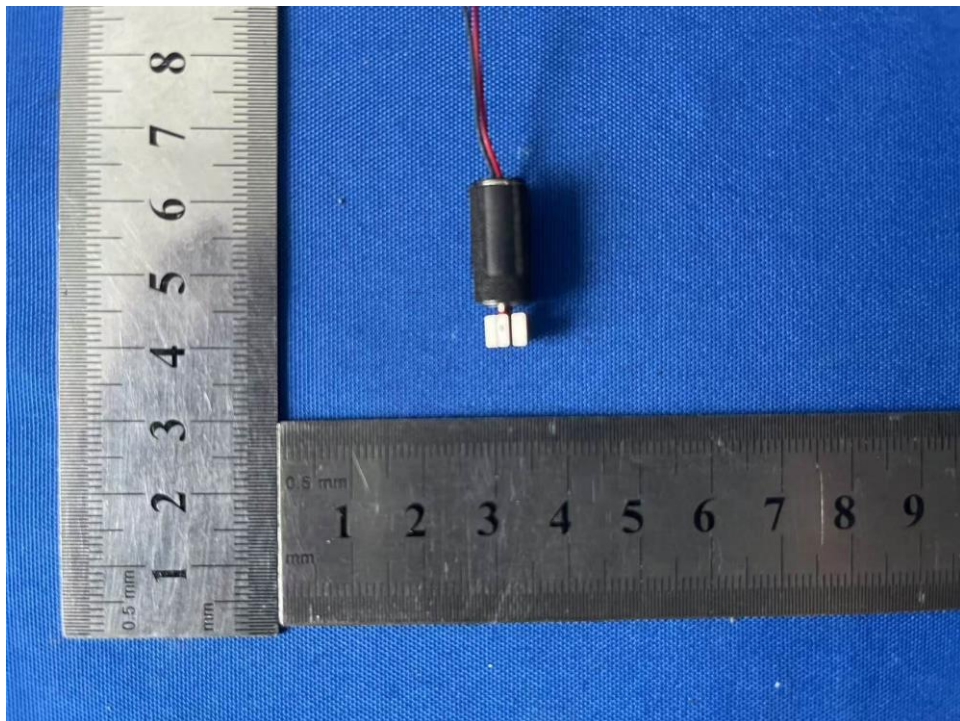


Fig. 10

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