



FCC TEST REPORT

FCC ID: 2BQEE-HPT23005-C

On Behalf of

Dongguan Shi Dian Ban E-Commerce Co., LTD

433MHz RF Remote Control

Model No.: HPT23005-C, HPT23006-CW,
HPT23007-RB, HPT23008-C, HPT23009-CW, HPT23010-RB,
HPT23011-F, HPT23012-F, HPT230014, HPT230015,
HPTRainbow40, HPTPinkgreen40, HPT23022, HPT-GYPB30,
HPT-GYPB40, HPT23028-RB, HPT23029-F, HPT23030-C,
HPT-Pinkgreen-22, HPT-VAPE-PBIG-30

Prepared for : Dongguan Shi Dian Ban E-Commerce Co., LTD
Address : 202 Dongcheng Section, Guanlong Road, Dongcheng Street,
Dongguan City, Guangdong Province, China

Prepared By : Shenzhen PSI Testing Co., Ltd.
Address : 1-2/F., Building 5, Yudafu Industrial Park, No.10, Xingye West Road,
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Date of Report : July 7, 2025
Version Number : V0

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TEST REPORT DECLARATION

Applicant : Dongguan Shi Dian Ban E-Commerce Co., LTD

Address : 202 Dongcheng Section, Guanlong Road, Dongcheng Street, Dongguan City,
Guangdong Province, China

Manufacturer : Dongguan Shi Dian Ban E-Commerce Co., LTD

Address : 202 Dongcheng Section, Guanlong Road, Dongcheng Street, Dongguan City,
Guangdong Province, China

EUT Description : 433MHz RF Remote Control

(A) Model No. : HPT23005-C, HPT23006-CW, HPT23007-RB, HPT23008-C,
HPT23009-CW, HPT23010-RB, HPT23011-F, HPT23012-F,
HPT230014, HPT230015, HPTRainbow40, HPTPinkgreen40,
HPT23022, HPT-GYPB30, HPT-GYPB40, HPT23028-RB,
HPT23029-F, HPT23030-C, HPT-Pinkgreen-22,
HPT-VAPE-PBIG-30

(B) Trademark : Thirdpolite

Measurement Standard Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.231

ANSI C63.10-2013

Test Result: PASS

The device described above is tested by Shenzhen PSI Testing 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 Shenzhen PSI Testing 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 Part15 requirements.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen PSI Testing Co., Ltd.

Tested by (name + signature).....: Jensen Wang
Test Engineer

Approved by (name + signature).....: Simple Guan
Project Manager

Date of issue.....: July 7, 2025

Revision History

Revision	Issue Date	Revisions	Revised By
V0	July 7, 2025	Initial released Issue	Jensen Wang



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	Test Requirement	Standard Paragraph	Results
Power Line Conducted Emission Test	FCC Part 15	Section 15.207	N/A
Spurious Emission Test	FCC Part 15	Section 15.231&15.209	P
Occupied bandwidth	FCC Part 15	Section 15.231	P
Transmission time	FCC Part 15	Section 15.231	P
Band edge Requirement	FCC Part 15	Section 15.231	P
Antenna Requirement	FCC Part 15	Section 15.203	P
Note: 1. P is an abbreviation for Pass. 2. F is an abbreviation for Fail. 3. N/A is an abbreviation for Not Applicable. 4. Conclusion determination rules of this report: Unless there are clear provisions on measurement uncertainty in the standard or customer requirements, decision by actual test data without considering measurement uncertainty.			

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

EUT Name : 433MHz RF Remote Control

Model No. : HPT23005-C, HPT23006-CW, HPT23007-RB, HPT23008-C, HPT23009-CW, HPT23010-RB, HPT23011-F, HPT23012-F, HPT230014, HPT230015, HPTRainbow40, HPTPinkgreen40, HPT23022, HPT-GYPB30, HPT-GYPB40, HPT23028-RB, HPT23029-F, HPT23030-C, HPT-Pinkgreen-22, HPT-VAPE-PBIG-30

DIFF. : N/A

Rating : DC 3V from battery

SRD

Operation frequency : 433.92MHz

Channel No. : 1

Modulation type : ASK

Antenna Type : Internal Antenna, max gain 0dBi

Software version : V1.0

Hardware version : V1.0

Note : Antenna information is provided by applicant.
Testing lab is not responsible for the accuracy of the information.

2.2. Accessories of Device (EUT)

Accessories : /
 Manufacturer : /
 Model : /
 Power supply : /

2.3. Tested Supporting System Details

No.	Description	Manufacturer	Model	Serial Number	Certification
1.	N/A	N/A	N/A	N/A	N/A

2.4. Block Diagram of connection between EUT and simulators



2.5. Test Mode Description

Test mode:

Mode	Channel	Frequency(MHz)
ASK	1	433.92
Note: 1. The test was used to control EUT work in Continuous TX mode, and select test channel, wireless mode 2. The EUT has been tested as an independent unit. And Continual Transmitting in maximum power. 3. New battery is used during all tests. 4. For the relevant Conducted Measurement, the temporary antenna connector is used during the measurement. Antenna Connector Impedance: 50Ω, Cable Loss: 1.0 dB		

2.6. Test Conditions

Items	Required	Actual
Temperature range	15-35°C	26°C
Humidity range	25-75%	54%
Pressure range	86-106kPa	101kPa

2.7. Test Facility

Shenzhen PSI Testing Co., Ltd.

1-2/F., Building 5, Yudafu Industrial Park, No.10, Xingye West Road, Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

September 13, 2023 File on Federal Communication Commission

Registration Number: 916281

2.8. Measurement Uncertainty

(95% confidence levels, k=2)

Item	Uncertainty	
Power Line Conducted Emissions	0.009~0.15MHz	1.92 dB
	0.15~30 MHz	2.17 dB
Magnetic field radiation disturbance	0.009~30 MHz	2.00 dB
Power spectral density	100KHz~6GHz	0.39 dB
Conducted RF Power	100KHz~6GHz	0.41 dB
Radio frequency	9KHz~6GHz	79Hz
Conducted-Spurious Emission	9KHz~18GHz	0.59 dB
Radiation Spurious Emission	0.009~30 MHz	3.50 dB
	30~1000 MHz(V)	4.17 dB
	30~1000 MHz(H)	4.08 dB
	1~18 GHz(V)	4.29 dB
	1~18 GHz(H)	4.82 dB
	18~40 GHz(V)	4.31 dB
	18~40 GHz(H)	4.30 dB

2.9. Test Equipment List

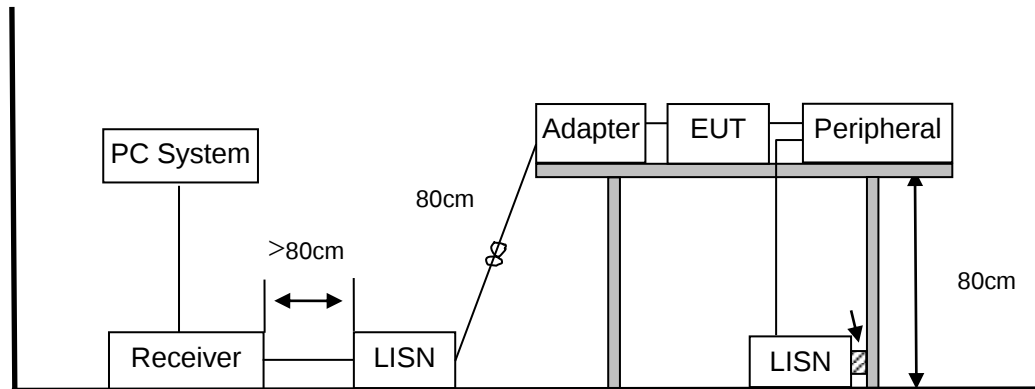
Item	Equipment	Manufacturer	Model No.	Serial No.	Firmware Version	Last Cal.	Cal. Interval
1.	9*6*6 anechoic chamber	SKET	9*6*6	N/A	/	2022.12.20	3 Year
2.	Test Receiver	Rohde&Schwarz	ESCI 7	101032/003	4.42 SP3	2024.12.18	1 Year
3.	L.I.S.N.#1	Rohde&Schwarz	ENV216	102282	/	2024.12.18	1 Year
4.	L.I.S.N.#2	RFT	NNB111	13835240	/	2024.12.18	1 Year
5.	Loop Antenna	Schwarz beck	FMZB 1519B	00128	/	2025.01.02	2 Year
6.	Bilog Antenna	Schwarz beck	VULB 9168	01448	/	2025.01.02	2 Year
7.	Spectrum Analyzer	Rohde&Schwarz	FSV-40N	101648	3.70	2024.12.18	1 Year
8.	Horn Antenna	Schwarz beck	BBHA 9120 D	02706	/	2025.01.02	2 Year
9.	Amplifier	SKET	LAPA_01G18 G-45dB	SK202203290 1	/	2024.12.18	1 Yea
10.	Horn Antenna	Schwarz beck	BBHA 9170	00946	/	2024.12.31	2 Year
11.	Amplifier	SKET	LNPA_0118G- 45	SK202001080 1	/	2024.12.18	1 Yea
12.	RF Power Probe	Rohde&Schwarz	NRP-Z11	1138.3004.02 -1111533-Fz	/	2024.12.18	1 Yea
13.	RF Sensor Unit	Tachoy	TR1029-2	20220428P0 08	/	2024.12.18	1 Yea
14.	Temp. & Humid Chamber	Auchno	9606	/	/	2024.12.18	1 Year
15.	Regulated DC Power Supply	Xinouhua	ADC120V10 A	2022112516 38		2024.12.18	1 Year
16.	Spectrum Analyzer	Agilent	N9020A	MY51281067	A.14.03	2024.12.18	1 Year

For Test Software Information

Item	Software Name	Manufacturer	Version
RE	EZ_EMC	Farad	PSI-3A1
CE	EZ_EMC	Farad	PSI-3A1
RF	RTS	TACHOY	V1.0.0

3. Power Line Conducted Emission Test

3.1. Block Diagram of Test Setup



3.2. Test Limits

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μV)	Average Level dB(μV)
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.

3.3. Configuration of EUT 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.

3.4. Operating Condition of EUT

- (1) Setup the EUT as shown as Section 3.1.
- (2) Turn on the power of all equipment.
- (3) Let the EUT work in test mode taking the test.

3.5. Test Procedure

- (1) 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#). This provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.#2). Both sides of power line were 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 C63.10:2013 on conducted Emission test.
- (2) The frequency range from 150kHz to 30MHz is checked, the bandwidth of test receiver is set at 9kHz.
- (3) The frequency range from 30MHz to 1000MHz was pre-scanned with a Peak detector and all final readings of measurement from Test Receiver are Quasi-Peak and Average values.
- (4) The test results are reported on Section 3.6.

3.6. Test Results

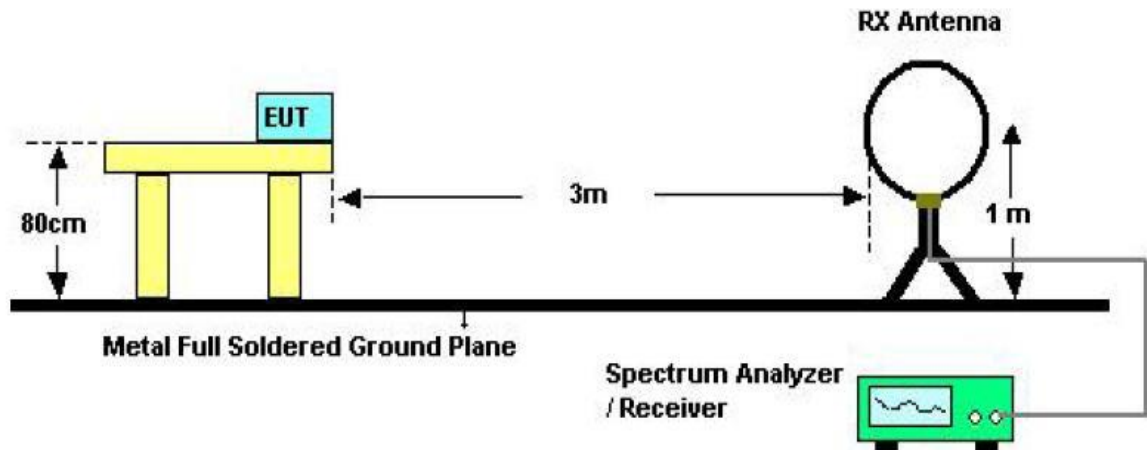
EUT	: 433MHz RF Remote Control	Temperature	: N/A
M/N	: HPT23005-C	Humidity	: N/A
Test Engineer	: N/A		
Test Mode	: N/A		
Test Voltage	: N/A		
Note:	1. Not applicable (battery powered).		



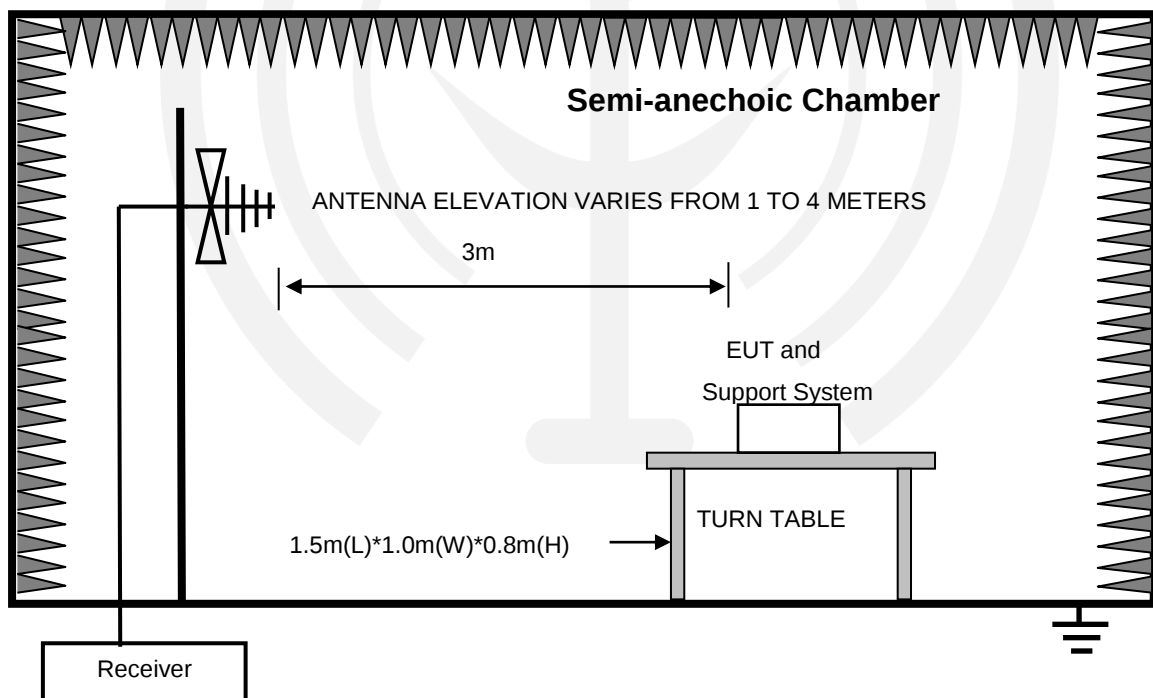
4. Radiated Emission Test and Band Edge Test

4.1. Block Diagram of Test Setup

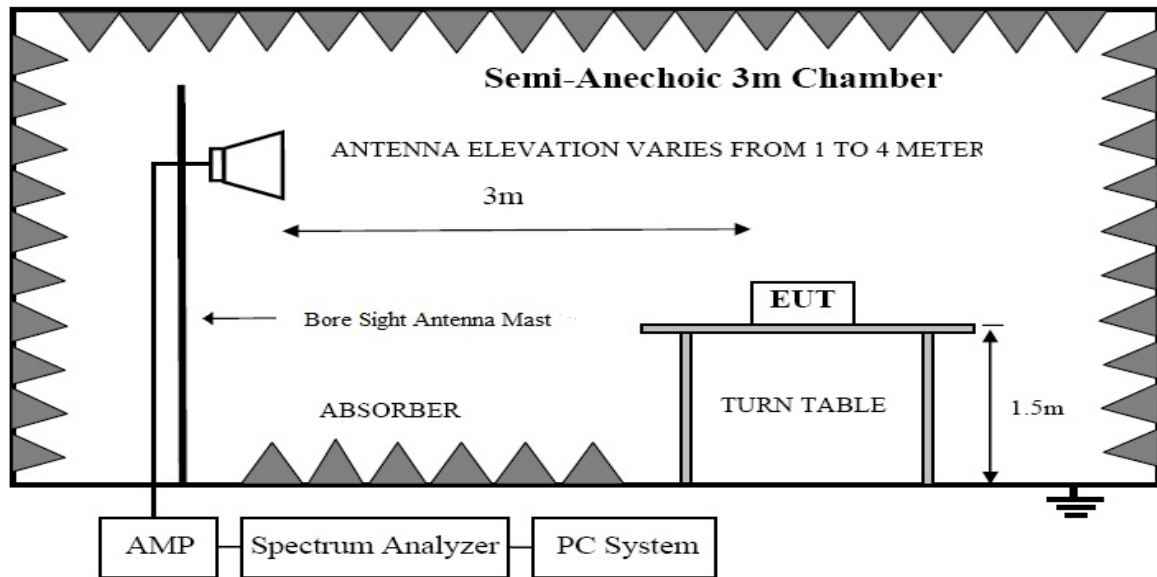
In Semi Anechoic Chamber (3m) Test Setup Diagram for 9KHz~30MHz



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



In Semi Anechoic Chamber (3m) Test Setup Diagram for Above 1GHz



4.2. Test Limit

Frequency MHz	Distance (Meters)	Field Strengths Limits	
		uV/m	dB uV/m
0.009 ~ 0.490	300	2400/F(kHz)	---
0.490 ~ 1.705	30	24000/F(kHz)	----
1.705 ~ 30	30	30	29.5
30 ~ 88	3	100(3nW)	40
88 ~ 216	3	150(6.8nW)	43.5
216 ~ 960	3	200(12nW)	46
Above 960	3	500(75nW)	54
Carrier frequency	3	50000(AVG)	113.97(Peak) 93.97(AVG)

Notes:

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. For frequencies above 1000 MHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

4.3. Configuration of EUT 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. Operating Condition of EUT

- (1) Setup the EUT as shown as Section 4.1.
- (2) Turn on the power of all equipment.
- (3) Let the EUT work in test mode taking the test.

4.5. Test Procedure

- (1) The EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber for below 1GHz and 150 cm above the ground plane inside a semi-anechoic chamber for above 1GHz. 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 of the interface cables were changed according to ANSI C63.10: 2013 on Radiated Emission test.
- (2) For the radiated emission test above 1GHz:
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.
- (3) Test antenna was located 4m from the EUT on an adjustable mast. Below pre-scan procedure was first performed in order to find prominent radiated emissions.
 - (a) Change work frequency or channel of device if practicable.
 - (b) Change modulation type of device if practicable.
 - (c) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions
- (4) For harmonic emissions test a appropriate high pass filter was inserted in the input port of AMP
- (5) The frequency range from 9KHz to 150KHz is checked, the bandwidth of test receiver is set at 200Hz.
The frequency range from 150KHz to 30MHz is checked, the bandwidth of test receiver is set at 9KHz.
The frequency range from 30MHz to 1000MHz is checked, the bandwidth of test receiver is set at

120kHz.

The frequency range from above 1GHz is checked, the bandwidth of Signal Analyzer is set at 1MHz.

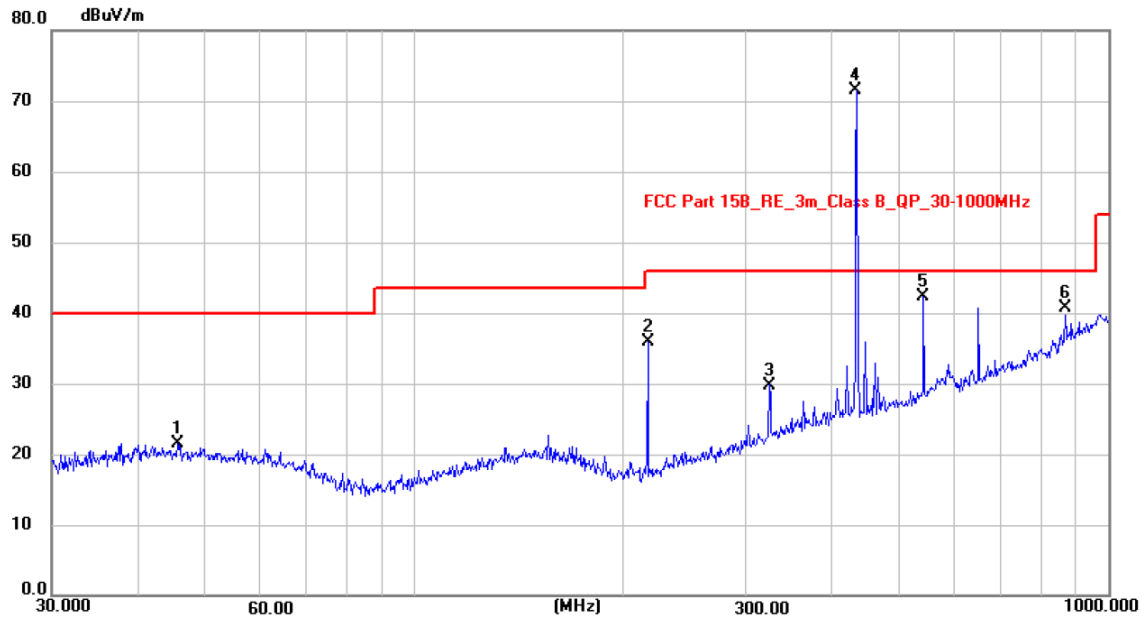
- (6) The frequency range from 30MHz to 1000MHz was pre-scanned with a peak detector and all final readings of measurement from Test Receiver are Quasi-Peak values, the frequency range from 1GHz to 6GHz was pre-scanned with a peak detector and all final readings of measurement from Spectrum Analyzer are peak and average values checked, all measurement distance is 3m in 3m semi anechoic chamber.
- (7) Test for all x, y, z axes is performed and only the worst case of X xes was recorded in the test report.
- (8) The test results are reported on Section 4.6.

4.6. Test Results

Frequency Range	: 9KHz~30MHz		
EUT	: 433MHz RF Remote Control	Temperature	: 26℃
M/N	: HPT23005-C	Humidity	: 54%
Test Engineer	: Jensen Wang		
Test Mode	: 433.92MHz		
Test Results	: PASS		
Note:	1. Note: The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.		

Frequency Range	: 30MHz~1000MHz`		
EUT	: 433MHz RF Remote Control	Temperature	: 26℃
M/N	: HPT23005-C	Humidity	: 54%
Test Engineer	: Jensen Wang		
Test Mode	: 433.92MHz		
Test Results	: PASS		
Note:	1. The test results are listed in next pages. 2. This mode is worst case mode, and this report only reflected the worst mode. 3. If the limits for the measurement with the quasi-peak detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the quasi-peak detector need not be carried out.		

Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	45.6347	7.23	14.33	21.56	40.00	-18.44	QP
2	216.9729	24.03	11.78	35.81	46.00	-10.19	QP
3	325.4531	14.18	15.62	29.80	46.00	-16.20	QP
4 *	433.9200	52.96	18.55	71.51	46.00	25.51	peak
5	542.5603	20.92	21.32	42.24	46.00	-3.76	QP
6	867.8400	13.10	27.51	40.61	46.00	-5.39	peak

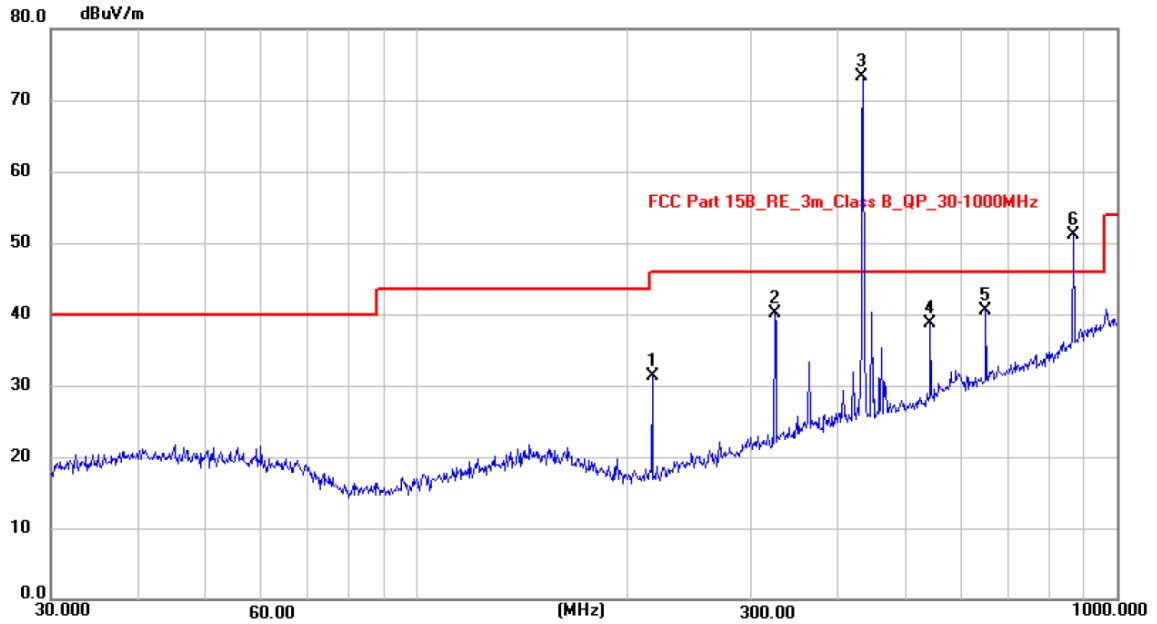
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	433.92	52.96	18.55	71.51	100.83	-29.32	PK
2	433.92	/	/	59.78	80.83	-21.05	AV

Remark: 1. All readings are Quasi-Peak and Average values.

2. Margin = Result (Result = Reading + Factor) – Limit

3. When peak value applied to AVG limit, the AVG value is not calculated.

4. Average = peak value + Duty cycle factor = 71.51 - 11.73 = 59.78.

Horizontal:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	216.9729	19.56	11.78	31.34	46.00	-14.66	QP
2	325.4531	24.41	15.62	40.03	46.00	-5.97	QP
3 *	433.9200	54.80	18.55	73.35	46.00	27.35	peak
4	542.5603	17.30	21.32	38.62	46.00	-7.38	QP
5	651.0850	16.82	23.71	40.53	46.00	-5.47	QP
6 X	867.8400	23.51	27.51	51.02	46.00	5.02	peak

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	433.92	54.80	18.55	73.35	100.83	-27.48	PK
2	433.92	/	/	61.62	80.83	-19.21	AV
3	867.84	23.51	27.51	51.02	80.83	-29.81	PK

Remark: 1. All readings are Quasi-Peak and Average values.

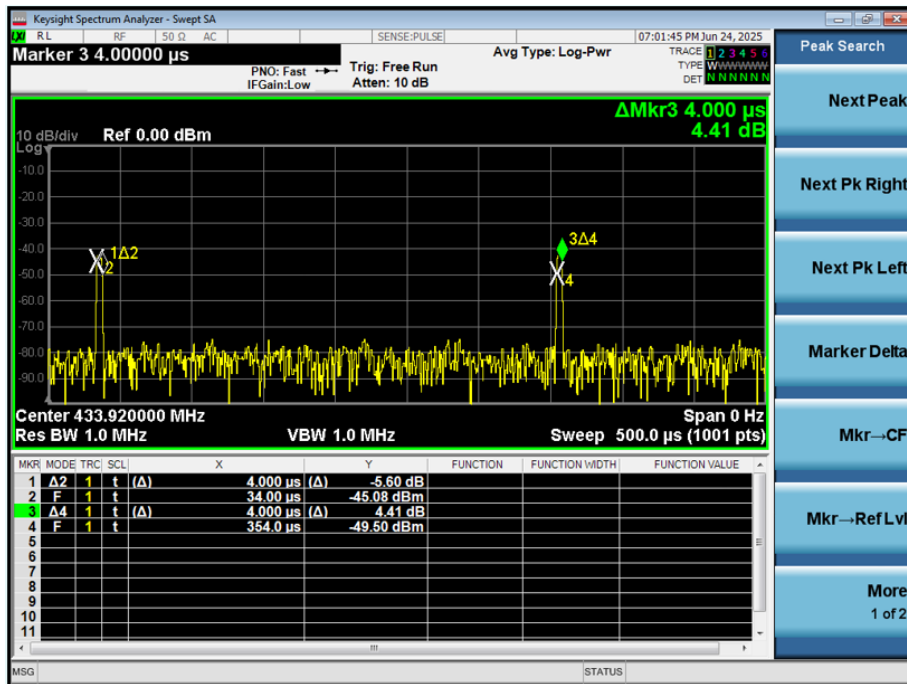
2. Margin = Result (Result = Reading + Factor) - Limit

3. When peak value applied to AVG limit, the AVG value is not calculated.

4. Average = peak value + Duty cycle factor = 73.35 - 11.73 = 61.62.

Duty cycle factor:





$$T_{on}=0.42*20+1.19*4+0.004*2=13.168\text{ms}$$

$$T_{on}+T_{off}=50.80\text{ms}$$

$$\text{Duty Cycle} = T_{on}/(T_{on}+T_{off})= 13.168/(50.80)= 0.259$$

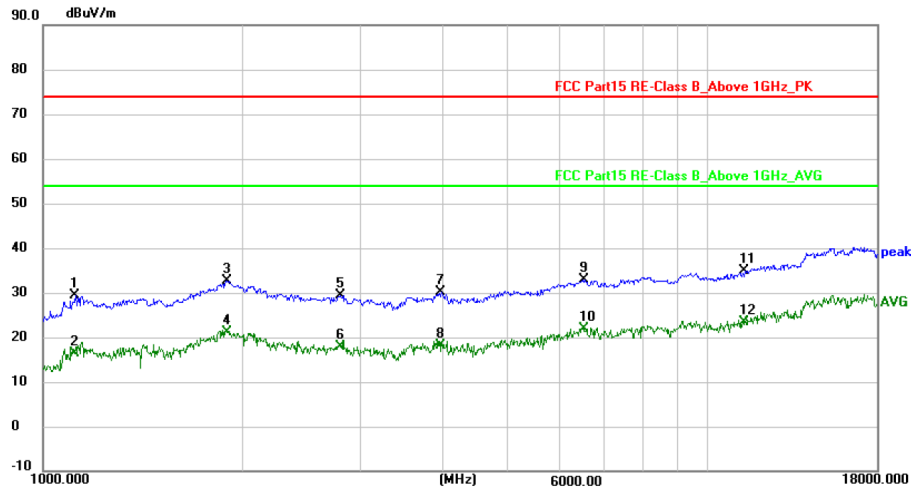
Average should be determined by duty cycle factor.

$$\text{Duty cycle factor} = 20 \log (\text{Duty Cycle}) = 20 \log (0.259) = -11.73$$

$$\text{Average} = \text{peak value} + \text{Duty cycle factor} = \text{peak value} - 11.73 \text{ dB}$$

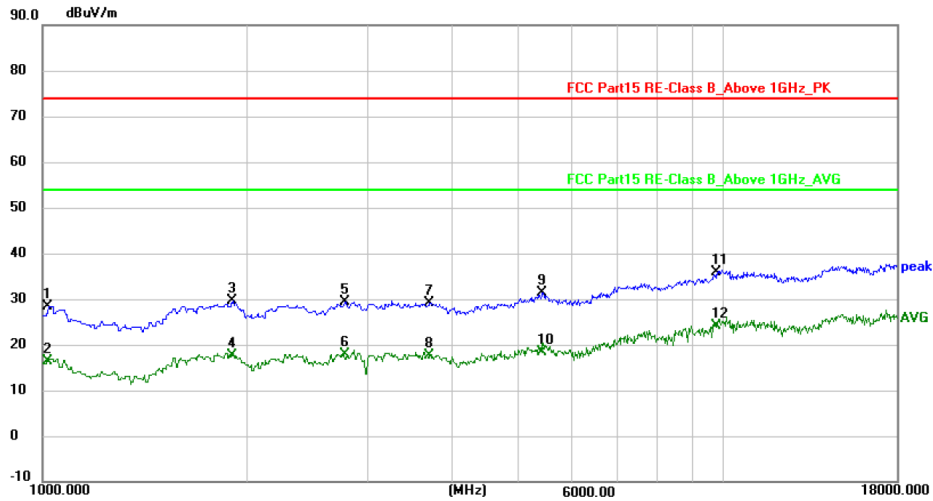
Frequency Range : Above 1GHz			
EUT	: 433MHz RF Remote Control	Temperature	: 26°C
M/N	: HPT23005-C	Humidity	: 54%
Test Engineer : Jensen Wang			
Test Mode : 433.92MHz			
Test Results : PASS			
Note:	1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor. Margin= Result-Limit. 3. Spectrum Set for PK measure: RBW=1MHz, VBW=1MHz, Sweep time=Auto, Detector: PK. 4. Spectrum Set for AV measure: RBW=1MHz, VBW=3MHz, Sweep time=Auto, Detector: Avg. 5. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.		

Vertical:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1119.323	82.62	-53.36	29.26	74.00	-44.74	peak
2	1119.323	69.78	-53.36	16.42	54.00	-37.58	AVG
3	1894.154	86.24	-53.57	32.67	74.00	-41.33	peak
4	1894.154	74.60	-53.57	21.03	54.00	-32.97	AVG
5	2806.288	82.93	-53.49	29.44	74.00	-44.56	peak
6	2806.288	71.27	-53.49	17.78	54.00	-36.22	AVG
7	3981.257	82.79	-52.69	30.10	74.00	-43.90	peak
8	3981.257	70.90	-52.69	18.21	54.00	-35.79	AVG
9	6545.263	83.39	-50.41	32.98	74.00	-41.02	peak
10	6545.263	72.36	-50.41	21.95	54.00	-32.05	AVG
11	11400.908	84.26	-49.27	34.99	74.00	-39.01	peak
12 *	11400.908	72.58	-49.27	23.31	54.00	-30.69	AVG

Remark: 1. Margin = Result (Result = Reading + Factor) – Limit

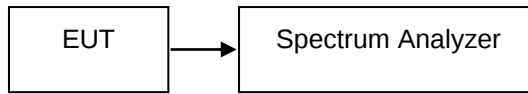
Horizontal:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1020.438	81.78	-53.33	28.45	74.00	-45.55	peak
2	1020.438	69.71	-53.33	16.38	54.00	-37.62	AVG
3	1905.135	83.09	-53.57	29.52	74.00	-44.48	peak
4	1905.135	71.19	-53.57	17.62	54.00	-36.38	AVG
5	2782.060	82.89	-53.49	29.40	74.00	-44.60	peak
6	2782.060	71.42	-53.49	17.93	54.00	-36.07	AVG
7	3714.443	82.03	-52.89	29.14	74.00	-44.86	peak
8	3714.443	70.41	-52.89	17.52	54.00	-36.48	AVG
9	5420.000	82.55	-51.12	31.43	74.00	-42.57	peak
10	5420.000	69.49	-51.12	18.37	54.00	-35.63	AVG
11	9789.000	85.78	-50.00	35.78	74.00	-38.22	peak
12 *	9789.000	74.18	-50.00	24.18	54.00	-29.82	AVG

Remark: 1. Margin = Result (Result = Reading + Factor) – Limit

5. Occupied Bandwidth Test

5.1. Block Diagram of Test Setup



5.2. Test Limit

Please refer section RSS-210 & 15.231

According to §15.231(C), The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70MHz and below 900MHz.

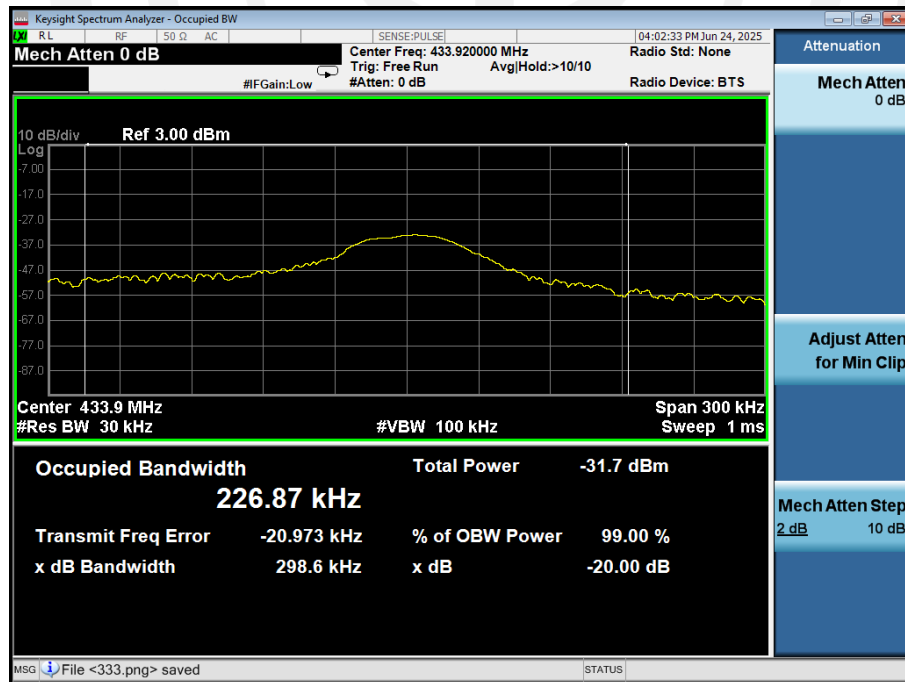
5.3. Test Procedure

- (1) The bandwidth is measured at an amplitude level reduced 20dB from the reference level. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst-case (i.e. the widest) bandwidth.
- (2) The test receiver RBW set 30KHz, VBW set 100KHz, Sweep time set auto.

5.4. Test Results

Mode	Frequency (MHz)	20dB Bandwidth (KHz)	99% Bandwidth (KHz)	Limit(kHz)	Results
ASK	433.92	177.7	226.87	1084.8	Pass

Limit = 433.92MHz * 0.25% = 1.0848MHz



6. Transmission time

6.1. Standard Requirement Test limit

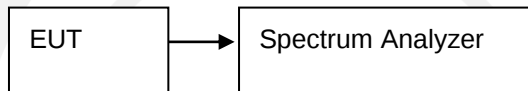
Please refer section RSS-210 & 15.231

According to §15.231(a)(1), A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

6.2. Method of measurement

1. Place the EUT on the table and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
3. Set spectrum analyzer Center= 433.92MHz, Span = 0MHz, Sweep = 5s.
4. Set the spectrum analyzer as RBW, VBW=1MHz,
5. Max hold, view and count how many channel in the band

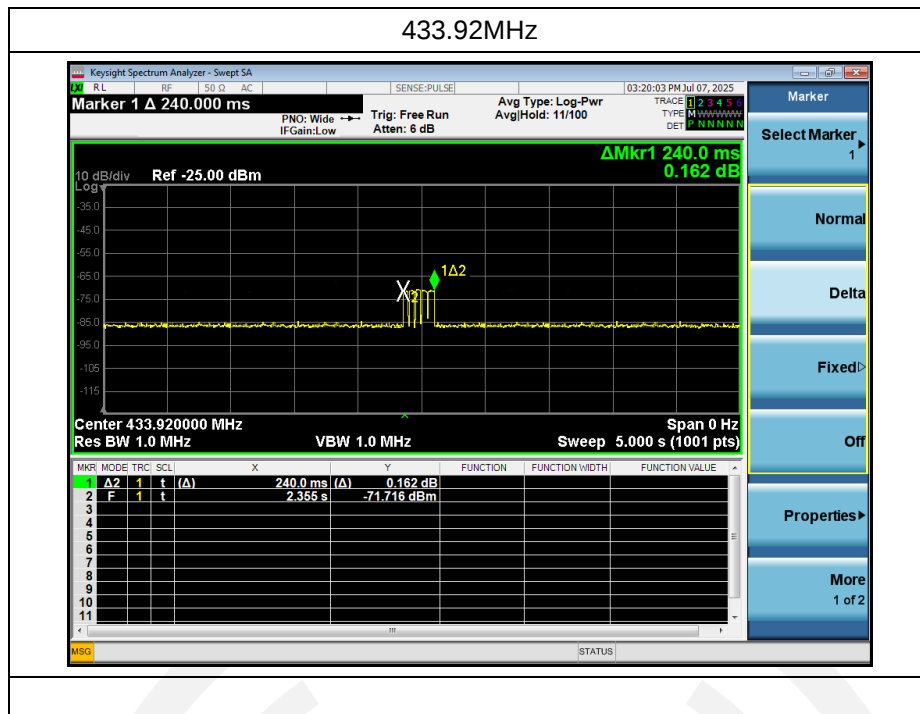
6.3. Test Setup



6.4. Results

Freq (MHz)	Test Result(s)	Limit (s)	Conclusion
433.92	0.24	< 5s	PASS

EUT After Release the button, EUT emission Continue 0.24 seconds, Compliance with 15.231 a(1) section.



7. Antenna Requirement

7.1. Standard Requirement

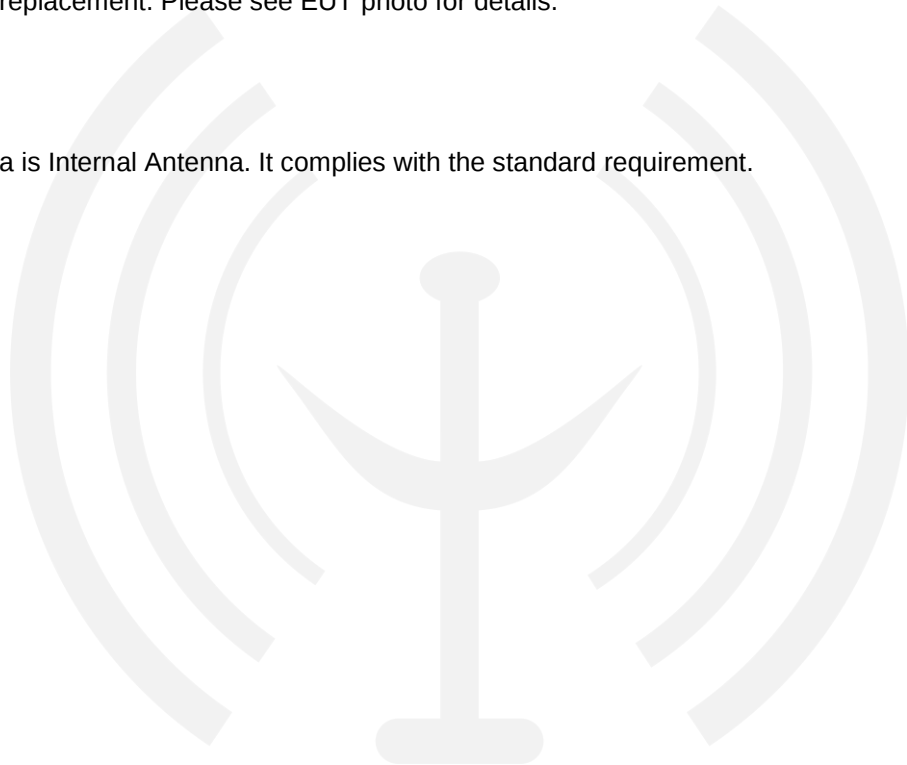
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. 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.

7.2. Antenna Connected Construction

The directional gains of antenna used for transmitting is 0dBi, and the antenna is fixed antenna no consideration of replacement. Please see EUT photo for details.

7.3. Results

The EUT antenna is Internal Antenna. It complies with the standard requirement.



8. Photos of test setup

Reference to the **appendix I Test Setup Photo** for details.

9. Photos of EUT

Reference to the **appendix II external photos** and **appendix III internal photos** for details.

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

