

FCC TEST REPORT
for
Shenzhen Bominwell Robotics Co., Ltd.

Peek Quickview Inspection System
Model No.: Peek

Prepared for : Shenzhen Bominwell Robotics Co., Ltd.
Address : JK Units, 5F, Building 7, Baoneng Sci&Tech Park, Longhua
Dist., Shenzhen, China

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Date of Test : Jun. 02~ 22, 2016
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TEST REPORT

Applicant : Shenzhen Bominwell Robotics Co., Ltd.
Manufacturer : Shenzhen Bominwell Robotics Co., Ltd.
EUT : Peek Quickview Inspection System
Model No. : Peek
Serial No. : N.A.
Trade Mark : Bominwell
Rating : DC 12V , 2.5 A Via Adapter
(Input: AC 100-240V, 50/60Hz, 1.6A,
Output: DC 12.6V, 5A)

Measurement Procedure Used:
FCC Part15 Subpart C 2015, Paragraph 15.231

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the FCC Part 15 Subpart C requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited

Date of Test : Jun. 02~ 22, 2016

Prepared by :



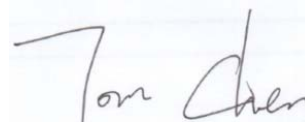
(Tested Engineer / Kebo Zhang)

Reviewer :



(Project Manager / Amy Ding)

Approved & Authorized Signer :



(Manager / Tom Chen)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	: Peek Quickview Inspection System
Model Number	: Peek
Test Power Supply	: AC 120V, 60Hz for adapter/ AC 240V, 60Hz for adapter/ DC 12.6V Battery Inside
Adapter	: Model: JZ-12650 Input: 100-240V~, 50/60Hz, 1.6A Output: DC 12.6V, 5A
RF Transmission Frequency	: 2412MHz~2462MHz (802.11b/802.11g/802.11n(HT20)) 2422MHz~2452MHz (802.11n(HT40)) 433.92MHz
Channels	: 11 For (802.11b/802.11g/802.11n(HT20)) 7 For (802.11n(HT40)) 1 For (433.92MHz)
Modulation	: WiFi: 802.11b CCK; 802.11g OFDM; 802.11n MCS 433.92MHz: ASK
Antenna Gain:	: 2 dBi for WiFi (ANT A, ANT B) 1 dBi For (433.92MHz)
Applicant Address	: Shenzhen Bominwell Robotics Co., Ltd. JK Units, 5F, Building 7, Baoneng Sci&Tech Park, Longhua Dist., Shenzhen, China
Manufacturer Address	: Shenzhen Bominwell Robotics Co., Ltd. JK Units, 5F, Building 7, Baoneng Sci&Tech Park, Longhua Dist., Shenzhen, China
Factory Address	: Shenzhen Bominwell Robotics Co., Ltd. JK Units, 5F, Building 7, Baoneng Sci&Tech Park, Longhua Dist., Shenzhen, China
Date of receiver	: Jun. 02, 2016
Date of Test	: Jun. 02~ 22, 2016

1.2. Description of Test Facility

N/A

1.3. Description of Test Facility

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

FCC-Registration No.: 752021

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 752021, July 06, 2016.

IC-Registration No.: 8058A-1

Shenzhen Anbotek Compliance Laboratory Limited., EMC Laboratory has been registered and fully described in a report filed with the (IC) Industry Canada. The acceptance letter from the IC is maintained in our files. Registration 8058A-1, Jun 13, 2016.

Test Location

All Emissions tests were performed at
Shenzhen Anbotek Compliance Laboratory Limited. at 1/F., Building 1, SEC
Industrial Park, No.0409 Qianhai Road, Nanshan District, Shenzhen, Guangdong,
China

1.4. Measurement Uncertainty

Radiation Uncertainty	:	Ur = 4.1 dB (Horizontal) Ur = 4.3 dB (Vertical)
Conduction Uncertainty	:	Uc = 3.4dB

1.5. Test Summary

For the EUT described above. The standards used were FCC Part 15 Subpart C Section 15.231 for Emissions

Tests Carried Out Under FCC Part 15 Subpart C

Standard	Test Items	Status	Application
Part 15 Subpart C Section 15.231e	Disturbance Voltage at The Mains Terminals	x	N/A, without AC power supply
	Conducted Emission Test	√	
	Radiation Emission	√	
	20dB Bandwidth	√	
	Duty Cycle	√	

- √ Indicates that the test is applicable.
x Indicates that the test is not applicable.

2. MEASURING DEVICE AND TEST EQUIPMENT

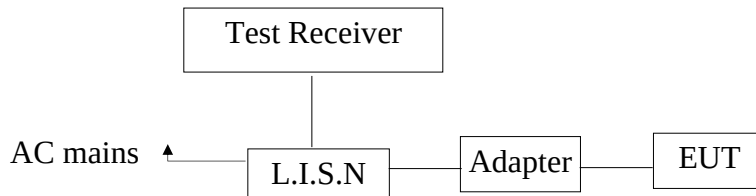
The following test equipments were used during test:

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analysis	Agilent	E4407B	US39390582	Apr. 17, 2016	1 Year
2.	Preamplifier	Instruments corporation	EMC011830	980100	Apr. 17, 2016	1 Year
3.	EMI Test Receiver	Rohde & Schwarz	ESPI	101604	Apr. 17, 2016	1 Year
4.	Double Ridged Horn Antenna	Instruments corporation	GTH-0118	351600	Apr. 20, 2016	1 Year
5.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	VULB 9163-289	Apr. 20, 2016	1 Year
6.	Pre-amplifier	SONOMA	310N	186860	Apr. 17, 2016	1 Year
7.	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	N/A	N/A
8	Power Sensor	DAER	RPR3006W	15I00041SN046	Jun 30, 2015	1 Year
9	MXA Spectrum Analysis	Agilent	N9020A	MY51170037	Jun 30, 2015	1 Year
10	MXG RF Vector Signal Generator	Agilent	N5182A	MY48180656	Jun 30, 2015	1 Year
11	Signal Generator	Agilent	E4421B	MY41000743	Jun 30, 2015	1 Year
12	DC Power supply	IV	IV-8080	YQSB0096	Jun 30, 2015	1 Year
13	TEMP&HUMI PROGRAMMABLE CHAMBER	Bell Group	BE-THK-150M8	SE-0137	Mar. 16, 2016	1 Year

3. Conducted Emission Test

3.1. Block Diagram of Test Setup

3.1.1. Block diagram of connection between the EUT and simulators



3.2. Power Line Conducted Emission Measurement Limits (15.207)

Frequency MHz	Limits dB(μV)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66 ~ 56*	56 ~ 46*
0.50 ~ 5.00	56	46
5.00 ~ 30.00	60	50

Notes: 1. *Decreasing linearly with logarithm of frequency.

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

3.3. Configuration of EUT on Measurement

The following equipments are installed on Power Line Conducted Emission Measurement 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

3.4.1. Setup the EUT and simulator as shown as Section 3.1.

3.4.2. Turn on the power of all equipment.

3.4.3. Let the EUT work in test mode (Charging) and measure it.

3.5. Test Procedure

The EUT system is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to FCC ANSI C63.10-2013 on Conducted Emission Measurement.

The bandwidth of test receiver (ESCI) set at 9KHz.

The frequency range from 150KHz to 30MHz is checked.

The test results are reported on Section 3.6.

3.6. Test equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Two-Line V-network	Rohde & Schwarz	ENV216	100055	Apr. 17, 2016	1 Year
2.	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	Apr. 17, 2016	1 Year
3.	RF Switching Unit	Compliance Direction	RSU-M2	38303	Apr. 17, 2016	1 Year

3.7. Power Line Conducted Emission Measurement Results

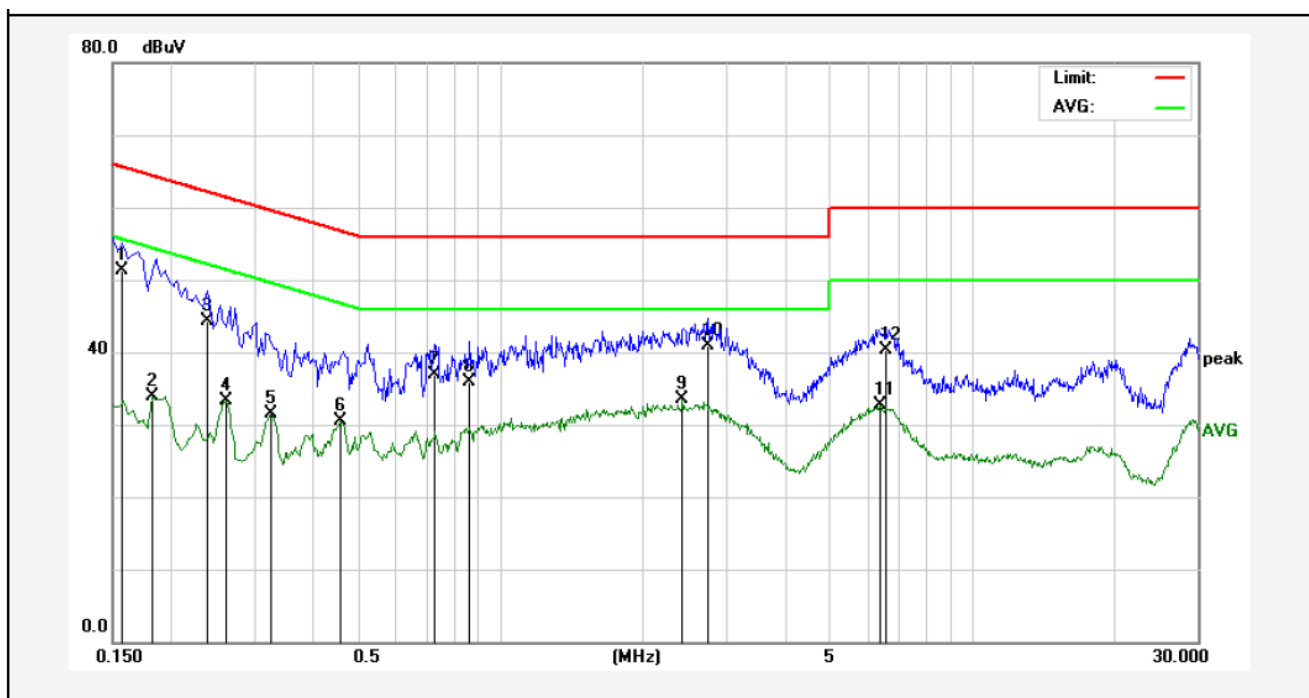
PASS.

The frequency range from 150KHz to 30 MHz is investigated.

Please refer the following pages.

CONDUCTED EMISSION TEST DATA

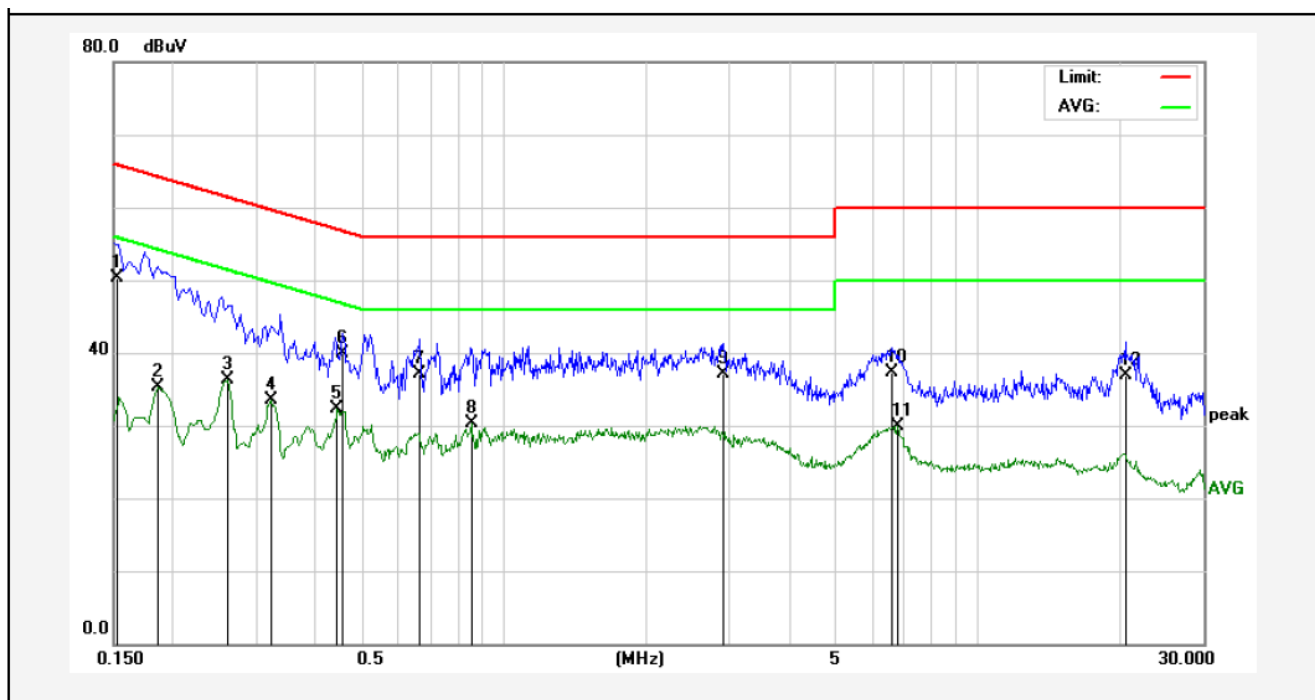
Test Site: 1# Shielded Room
Operating Condition: Charging
Test Specification: AC 120V, 60Hz for adapter
Comment: Live Line
Tem.:24°C Hum.:49%



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Over Limit (dB)	Detector	Remark
1	0.1580	51.29	0.00	51.29	65.56	-14.27	QP	
2	0.1819	33.92	0.00	33.92	54.39	-20.47	AVG	
3	0.2380	44.36	0.00	44.36	62.16	-17.80	QP	
4	0.2620	33.32	0.00	33.32	51.36	-18.04	AVG	
5	0.3260	31.41	0.00	31.41	49.55	-18.14	AVG	
6	0.4580	30.45	0.00	30.45	46.73	-16.28	AVG	
7	0.7260	37.00	0.00	37.00	56.00	-19.00	QP	
8	0.8580	35.99	0.00	35.99	56.00	-20.01	QP	
9	2.4219	33.41	0.00	33.41	46.00	-12.59	AVG	
10	2.7580	40.96	0.00	40.96	56.00	-15.04	QP	
11	6.3740	32.65	0.00	32.65	50.00	-17.35	AVG	
12	6.5740	40.25	0.00	40.25	60.00	-19.75	QP	

CONDUCTED EMISSION TEST DATA

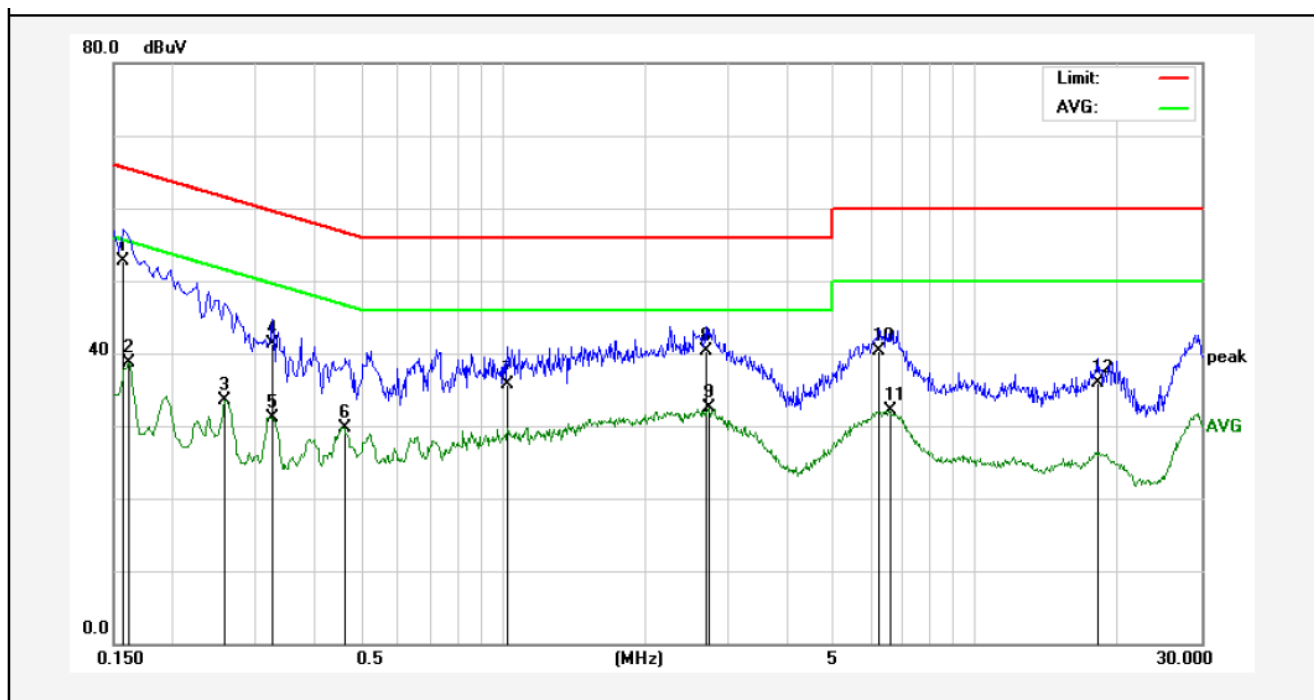
Test Site: 1# Shielded Room
Operating Condition: Charging
Test Specification: AC 120V, 60Hz for adapter
Comment: Neutral Line
Tem.:24℃ Hum.:49%



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Over Limit (dB)	Detector	Remark
1	0.1524	50.36	0.00	50.36	65.86	-15.50	QP	
2	0.1860	35.36	0.00	35.36	54.21	-18.85	AVG	
3	0.2620	36.26	0.00	36.26	51.36	-15.10	AVG	
4	0.3220	33.45	0.00	33.45	49.65	-16.20	AVG	
5	0.4460	32.25	0.00	32.25	46.95	-14.70	AVG	
6	0.4580	40.00	0.00	40.00	56.73	-16.73	QP	
7	0.6660	37.01	0.00	37.01	56.00	-18.99	QP	
8	0.8540	30.29	0.00	30.29	46.00	-15.71	AVG	
9	2.9060	37.02	0.00	37.02	56.00	-18.98	QP	
10	6.6100	37.21	0.00	37.21	60.00	-22.79	QP	
11	6.7820	29.92	0.00	29.92	50.00	-20.08	AVG	
12	20.5820	37.00	0.00	37.00	60.00	-23.00	QP	

CONDUCTED EMISSION TEST DATA

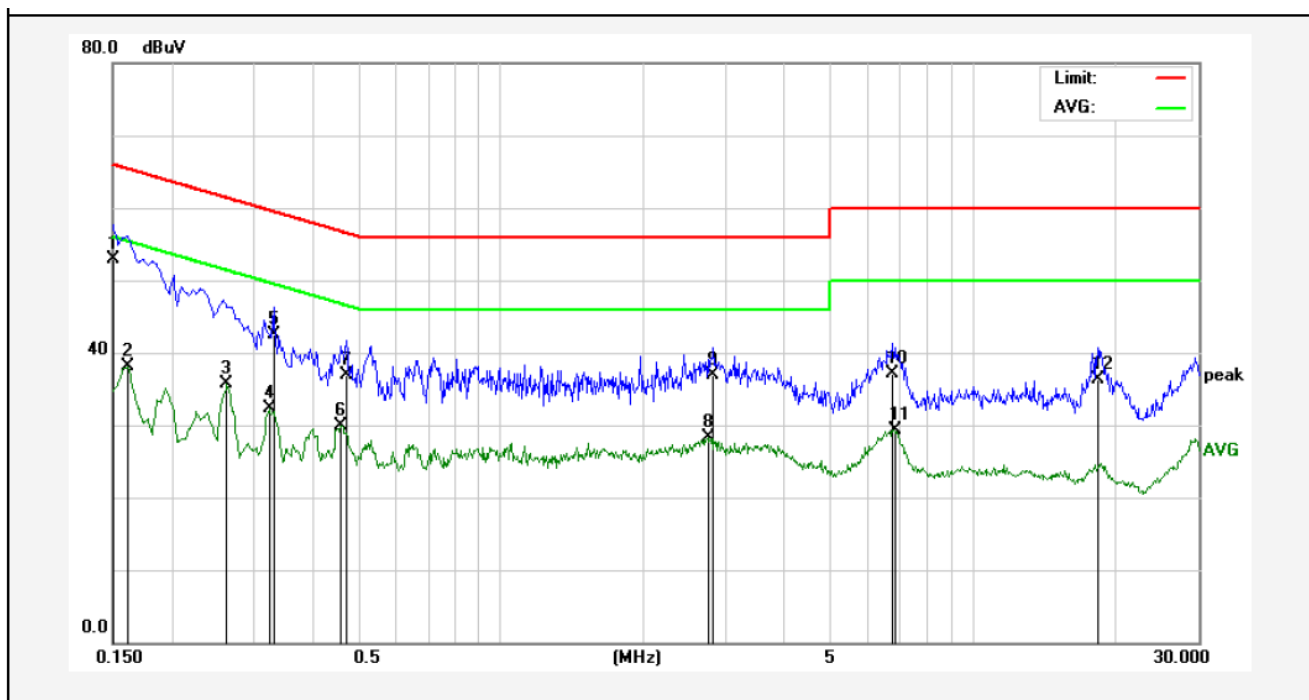
Test Site: 1# Shielded Room
Operating Condition: Charging
Test Specification: AC 240V, 60Hz for adapter
Comment: Live Line
Tem.:24°C Hum.:49%



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Over Limit (dB)	Detector	Remark
1	0.1580	52.69	0.00	52.69	65.56	-12.87	QP	
2	0.1620	38.71	0.00	38.71	55.36	-16.65	AVG	
3	0.2580	33.54	0.00	33.54	51.49	-17.95	AVG	
4	0.3260	41.22	0.00	41.22	59.55	-18.33	QP	
5	0.3260	31.14	0.00	31.14	49.55	-18.41	AVG	
6	0.4620	29.74	0.00	29.74	46.66	-16.92	AVG	
7	1.0260	35.69	0.00	35.69	56.00	-20.31	QP	
8	2.6820	40.21	0.00	40.21	56.00	-15.79	QP	
9	2.7220	32.48	0.00	32.48	46.00	-13.52	AVG	
10	6.2300	40.21	0.00	40.21	60.00	-19.79	QP	
11	6.5740	32.16	0.00	32.16	50.00	-17.84	AVG	
12	18.2060	36.00	0.00	36.00	60.00	-24.00	QP	

CONDUCTED EMISSION TEST DATA

Test Site: 1# Shielded Room
Operating Condition: Charging
Test Specification: AC 240V, 60Hz for adapter
Comment: Neutral Line
Tem.:24℃ Hum.:49%



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Over Limit (dB)	Detector	Remark
1	0.1500	52.96	0.00	52.96	65.99	-13.03	QP	
2	0.1620	38.01	0.00	38.01	55.36	-17.35	AVG	
3	0.2620	35.74	0.00	35.74	51.36	-15.62	AVG	
4	0.3220	32.23	0.00	32.23	49.65	-17.42	AVG	
5	0.3300	42.58	0.00	42.58	59.45	-16.87	QP	
6	0.4580	29.93	0.00	29.93	46.73	-16.80	AVG	
7	0.4700	37.00	0.00	37.00	56.51	-19.51	QP	
8	2.7460	28.31	0.00	28.31	46.00	-17.69	AVG	
9	2.8140	37.00	0.00	37.00	56.00	-19.00	QP	
10	6.7500	37.01	0.00	37.01	60.00	-22.99	QP	
11	6.7900	29.34	0.00	29.34	50.00	-20.66	AVG	
12	18.3819	36.21	0.00	36.21	60.00	-23.79	QP	

4. Test Procedure

JUSTIFICATION

ANSI C63.10 2013 section 12.1.4.1 requires that hand-held or body-worn devices shall include rotation of the EUT through three orthogonal axes to determine the attitude that maximizes the emissions. The EUT is a hand-held device. As such, preliminary tests were performed to determine the orientation that produced the highest level of emissions. This was with the DUT orientated vertically as shown in Section 7.1.

GENERAL:

This report shall NOT be reproduced except in full without the written approval of Anbotek Compliance Laboratory Limited. The EUT was transmitting a test signal during the testing.

RADIATION INTERFERENCE: The test procedure used was ANSI STANDARD C63.10-2013 using a spectrum analyzer with a pre-selector. The analyzer was calibrated in dB above a microvolt at the output of the antenna. The resolution bandwidth was 100KHz and the video bandwidth was 300KHz up to 1.0GHz and 1.0MHz with a video BW of 3.0MHz above 1.0GHz. The ambient temperature of the EUT was 74.3oF with a humidity of 69%.

FORMULA OF CONVERSION FACTORS: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dBuV) to the antenna correction factor supplied by the antenna manufacturer. The antenna correction factors are stated in terms of dB. The gain of the Preselector was accounted for in the Spectrum Analyzer Meter Reading.

Example:

Freq (MHz) METER READING + ACF = FS
33 20 dBuV + 10.36 dB = 30.36 dBuV/m @ 3m

ANSI STANDARD C63.10-2013 10.1.7 MEASUREMENT PROCEDURES: The EUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m. The EUT was placed in the center of the table (1.5m side). The table used for radiated measurements is capable of continuous rotation.

When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.

5. Radiation Interference

5.1. Requirements (15.231):

According to 15.231(e), the field strength of emissions from Intentional Radiators operated under this section shall not exceed the following:

Fundamental frequency (MHz)	Field strength of fundamental (microvolts/meter)	Field strength of spurious emission (microvolts/meter)
40.66-40.70	1,000	100
70-130	500	50
130-174	500 to 1,500 ¹	50 to 150 ¹
174-260	1,500	150
260-470	1,500 to 5,000 ¹	150 to 500 ¹
Above 470	5,000	500

5.2. Test Procedure

For below 1GHz: The EUT is placed on a turntable, which is 0.8m above the ground plane.
For above 1GHz: The EUT is placed on a turntable, which is 1.5m above the ground plane. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna which is mounted on a antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on test.

All readings from 30MHz to 1GHz are quasi-peak values with a resolution bandwidth of 120kHz. All reading are above 1GHz, peak & average values with a resolution bandwidth of 1MHz. The EUT is tested in 9*6*6 Chamber. The device is evaluated in xyz orientation.

5.3. Test Results

PASS.

The test data please refer the following pages. Only the worst case (x orientation).

Data:

fundamental

Frequency	Antenna	Reading	Cable Loss	Ant Factor	Amplifier	Average Factor	Corrected Level	Limits	Det
(MHz)	Polarization	(dBuV/m)	(dB)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	Mode
433.92	H	99.35	1.52	12.53	41.33	--	72.07	92.86	PK
433.92	H	99.35	1.52	12.53	41.33	-7.62	64.45	72.86	AV
433.92	V	96.84	1.52	12.53	41.33	--	69.56	92.86	PK
433.92	V	96.84	1.52	12.53	41.33	-7.62	61.94	72.86	AV

Radiated Emission

Frequency	Antenna	Reading	Cable Loss	Ant Factor	Amplifier	Corrected Level	Limits	Margin	Det
(MHz)	Polarization	(dBuV/m)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Mode
138.78	H	59.87	0.92	11.25	40.12	33.59	43.50	-11.58	PK
286.39	H	61.58	1.44	12.69	41.53	37.18	46.00	-11.82	PK
620.68	H	55.69	1.89	13.05	39.87	32.48	46.00	-15.24	PK
171.45	V	58.12	1.04	11.99	38.69	29.28	43.50	-11.04	PK
259.67	V	61.18	1.78	13.16	40.28	31.53	46.00	-10.16	PK
703.52	V	61.45	1.97	13.87	41.57	34.98	46.00	-10.28	PK

Harmonics Emissions

Frequency	Antenna	Reading	Cable Loss	Ant Factor	Amplifier	Average Factor	Corrected Level	Limits	Det
(MHz)	Polarization	(dBuV/m)	(dB)	(dB)	(dB)	(dB)	(dBuV/m)	(dBuV/m)	Mode
867.84	H	82.15	1.52	12.53	41.42	--	54.78	72.86	PK
867.84	H	82.15	1.52	12.53	41.42	-7.62	47.16	52.86	AV
867.84	V	78.63	1.52	12.53	41.42	--	51.26	72.86	PK
867.84	V	78.63	1.52	12.53	41.42	-7.62	43.64	52.86	AV
1301.76	H	73.47	2.38	18.56	39.95	--	54.46	74.00	PK
1301.76	H	73.47	2.38	18.56	39.95	-7.62	46.84	54.00	AV
1301.76	V	67.89	2.38	18.56	39.95	--	48.88	74.00	PK
1301.76	V	67.89	2.38	18.56	39.95	-7.62	41.26	54.00	AV
1735.68	H	65.10	2.85	21.32	38.3	--	50.97	74.00	PK
1735.68	H	65.10	2.85	21.32	38.3	-7.62	43.35	54.00	AV
1735.68	V	66.02	2.85	21.32	38.3	--	51.89	74.00	PK
1735.68	V	66.02	2.85	21.32	38.3	-7.62	44.27	54.00	AV
2169.6	H	--						74.00	PK
2169.6	H	--						54.00	AV
2169.6	V	--						74.00	PK
2169.6	V	--						54.00	AV

Remark :

- Corrected Level = Reading + Cable Loss+Ant Factor-Amplifier+Correction Factor
- Correction Factor = $20 \log$ (duty cycle) Pls refer to section 6.3
- AV=PK+ $20 \log$ (duty cycle)
- “ -- ” Mark indicated Background Noise Level
- Pulse Desensitization Correction Factor
Pulse Width (PW)= 0.236ms
 $2/PW=2/0.236=8.47\text{kHz}$
 $RBW(100\text{kHz}) > 2/PW (8.47\text{Hz})$
Therefore PDCF is not needed.

6. 20dB Bandwidth

6.1. Requirements (15.231):

In accordance with Part15.231(c), the fundamental frequency bandwidth was kept within 0.25% of the center frequency for devices operating >70MHz and <900MHz.

Fundamental Frequency (MHz)	Limit of 20dB Bandwidth (kHz)
433.92	$433920 \times 0.0025 = 1084.8$

6.2. EUT Setup

The radiated emission tests were performed in the in the 3m Semi-anechoic chamber, using the setup accordance with the ANSI C63.10-2013.

The EUT was placed on the center of the nonmetal table which is 0.8 meter above a grounded turntable. The turntable can rotate 360 degrees to determine the azimuth of the maximum emission level.

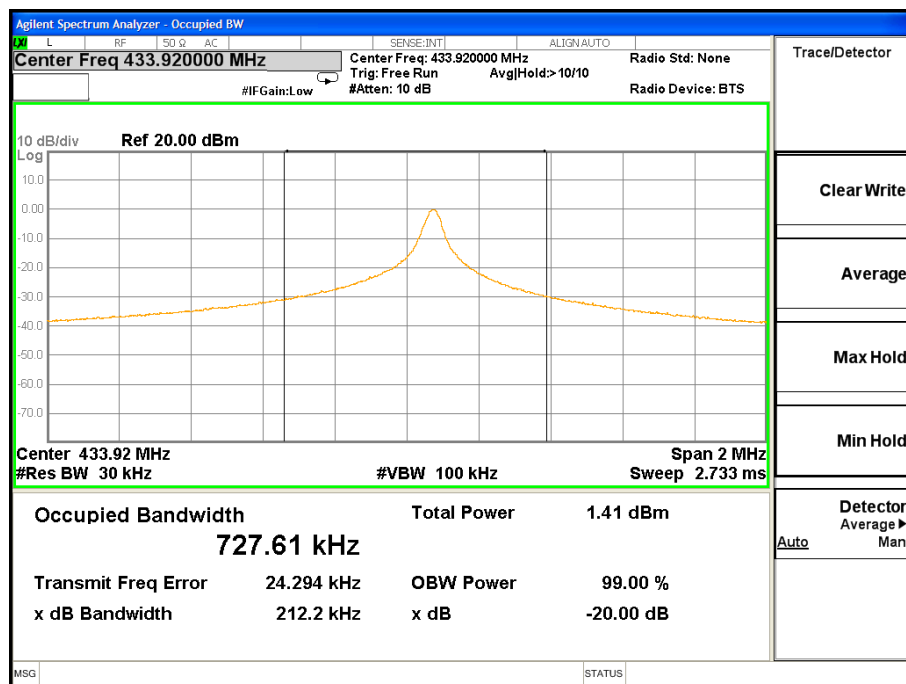
Maximum emission emitted from EUT was determined by manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation and the levels in the final result of the test were recorded with the EUT running in the operating mode that maximum emission was emitted.

6.3. Test Results

Pass.

Please refer the following plot.

Channel Frequency (MHz)	Measured 20dB Bandwidth(kHz)	Limit(kHz)	Result
433.92	212.2	1084.8	PASS



7. DEACTIVATION TIME

7.1. Requirements

In addition, devices operated under the provisions of this paragraph shall be provided with a means for automatically limiting operation so that the duration of each transmission shall not be greater than one second and the silent period between transmissions shall be at least 30 times the duration of the transmission but in no case less than 10 seconds.

7.2. Test Procedure

Set EUT operating in continuous transmitting mode

Set Test Receiver into spectrum analyzer mode, Tune the spectrum analyzer to the transmitter carrier frequency, and set the spectrum analyzer resolution bandwidth(RBW) to 100kHz and video bandwidth(VBW) to 100kHz, Span was set to 0Hz.

The Duty Cycle was measured and recorded.

7.3. Test Result

Result:

Averaging factor in dB = $20 \log (\text{duty cycle})$

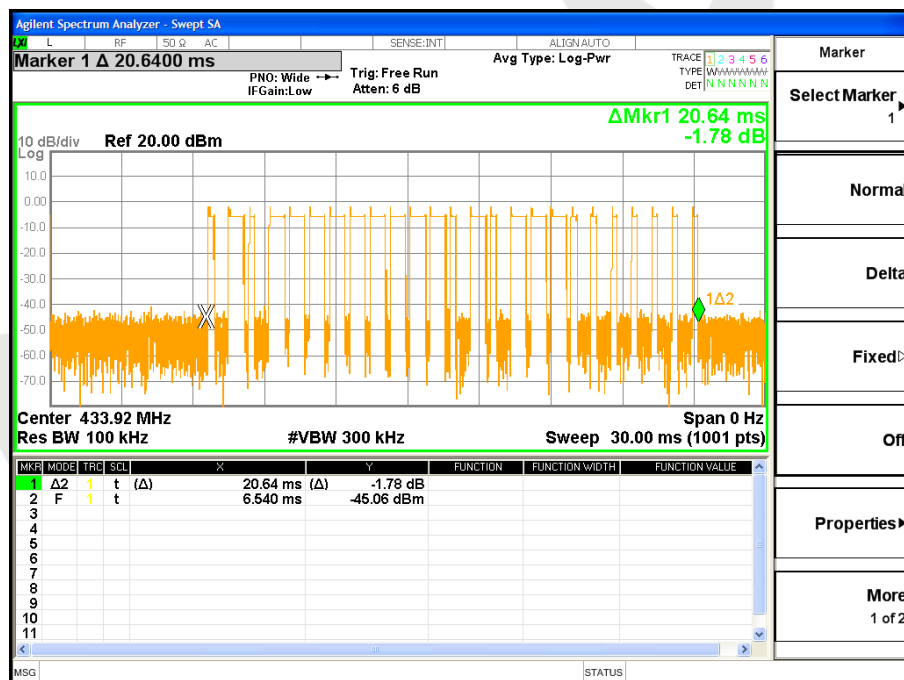
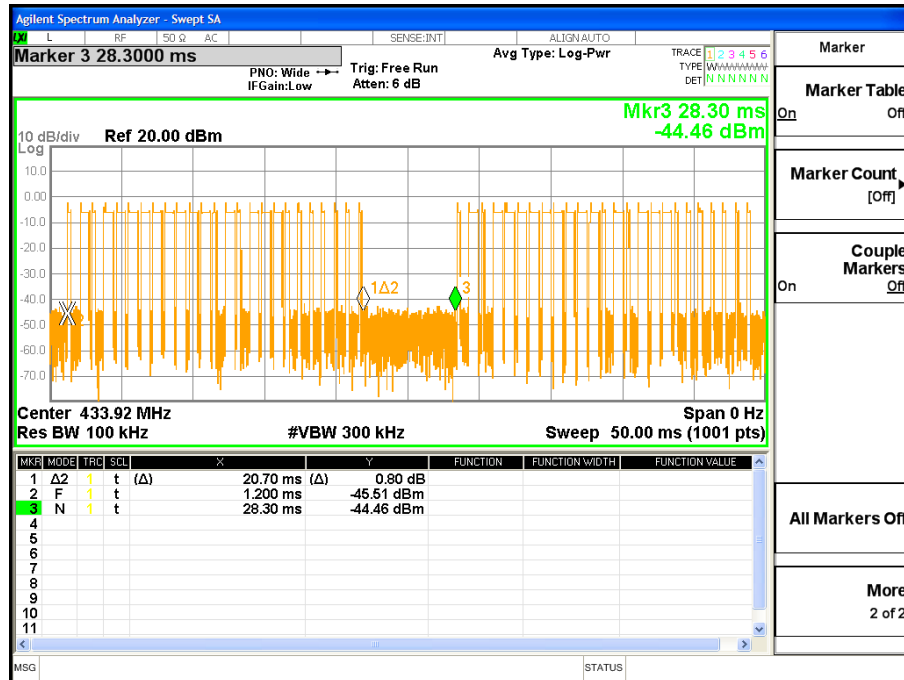
The duration of one cycle = 28.30ms

Duty Cycle = $(0.656\text{ms} \times 14 + 0.236\text{ms} \times 11) = 11.78 \text{ ms} / 28.30\text{ms} = 0.416$

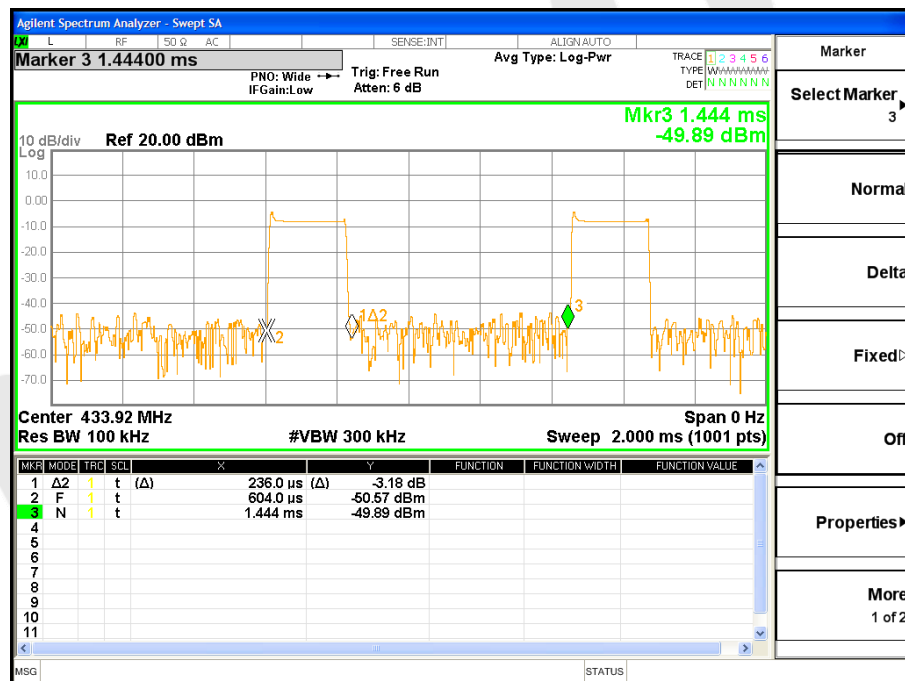
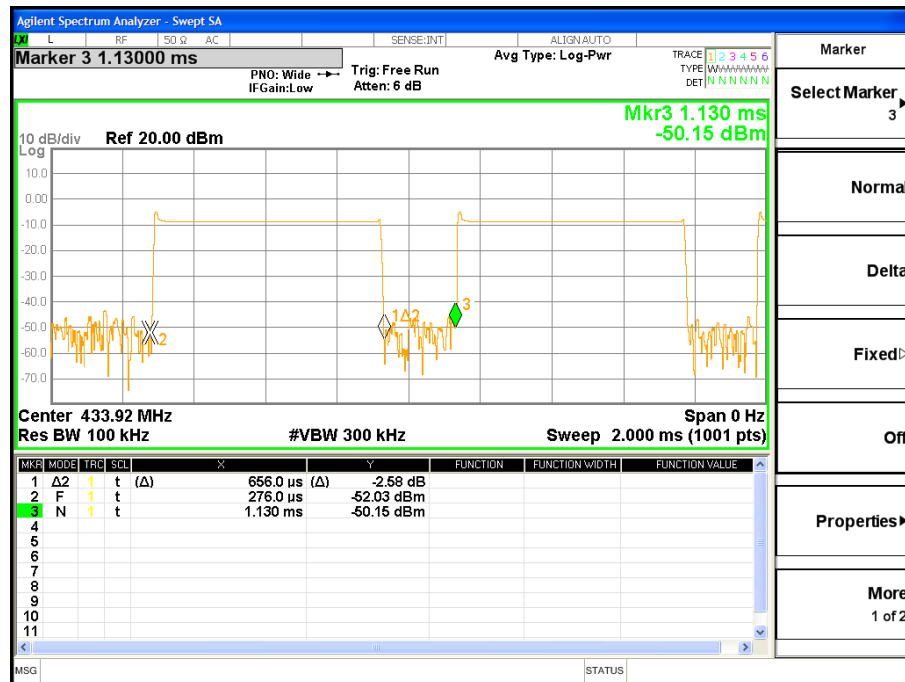
Therefore, the averaging factor is found by $20 \log 0.416 = -7.62\text{dB}$

Please see the diagrams below.

Time Slot

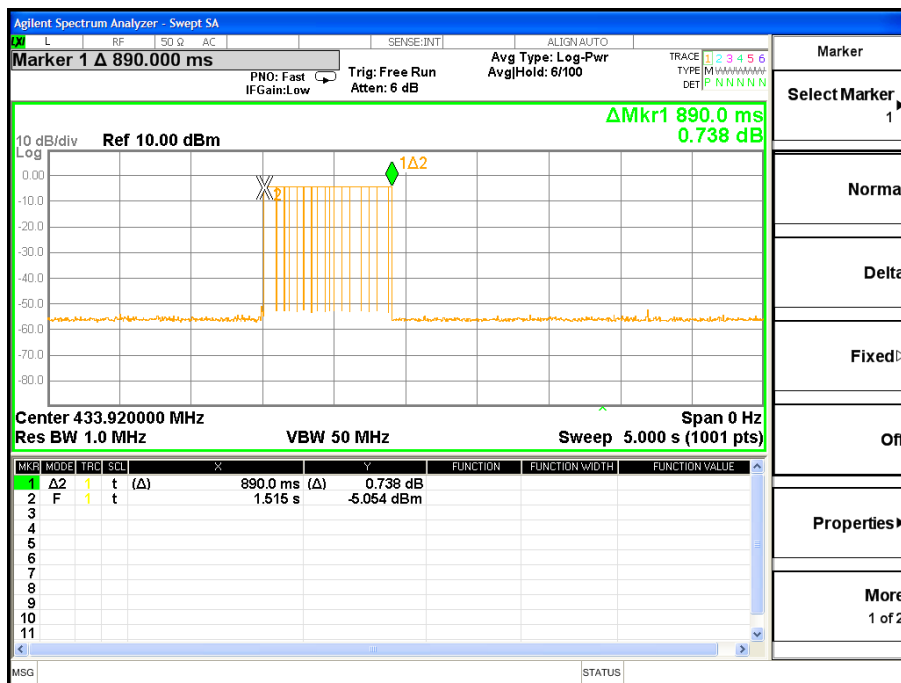


Duty Cycle



Item	Measurement Value (S)	Limit (S)	Result
Transmit time	0.89	< 1	Pass
Silent period time	35.15	> 10	Pass
Silent period time	35.15	> 26.7note	Pass

Note: Silent period time= Transmissions * 30 times =0.890s * 30 =26.7s

Result:Pass

8. Antenna Application

8.1. Antenna Requirement

The EUT'S antenna should meet the requirement of FCC part 15C section 15.203.

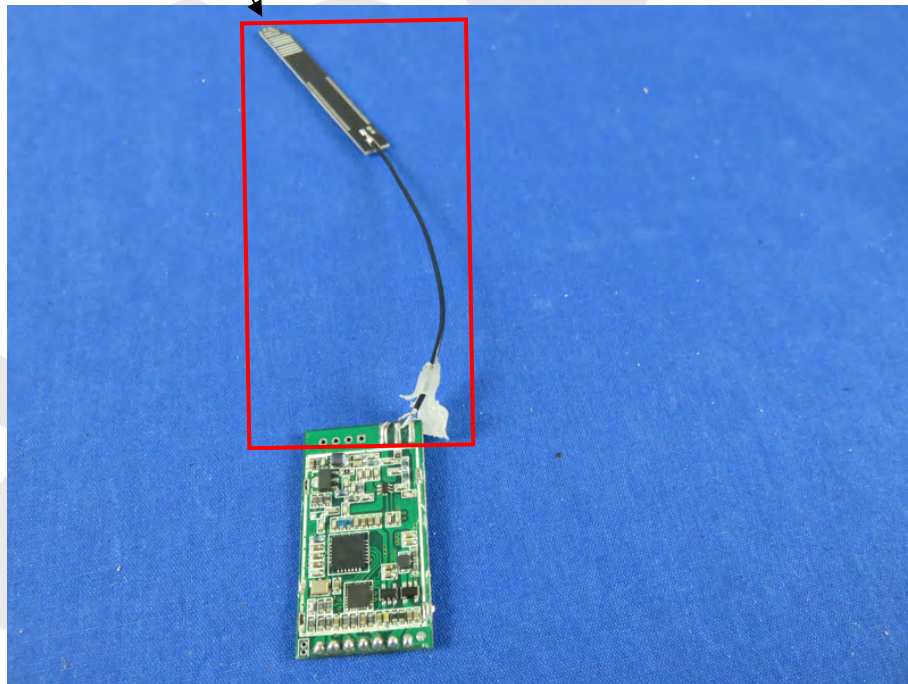
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

Antenna requirement must meet at least one of the following:

- 1) Antenna must be permanently attached to device.
- 2) The antenna must use a unique type of connector to attach to the device.
- 3) Device must be professionally installed. The installer shall be responsible for ensuring that the correct antenna is employed by the device.

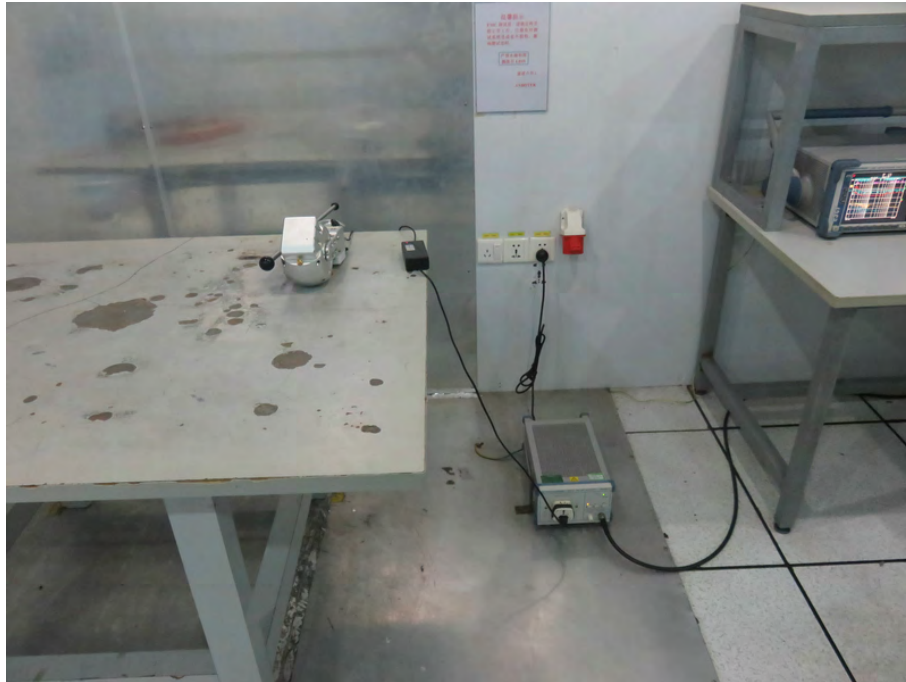
8.2. Result

The EUT's antenna used a integrated antenna, The antenna's gain is 1dBi and meets the requirement.



9. TEST PHOTO

9.1. Photo of Conducted Emission Measurement



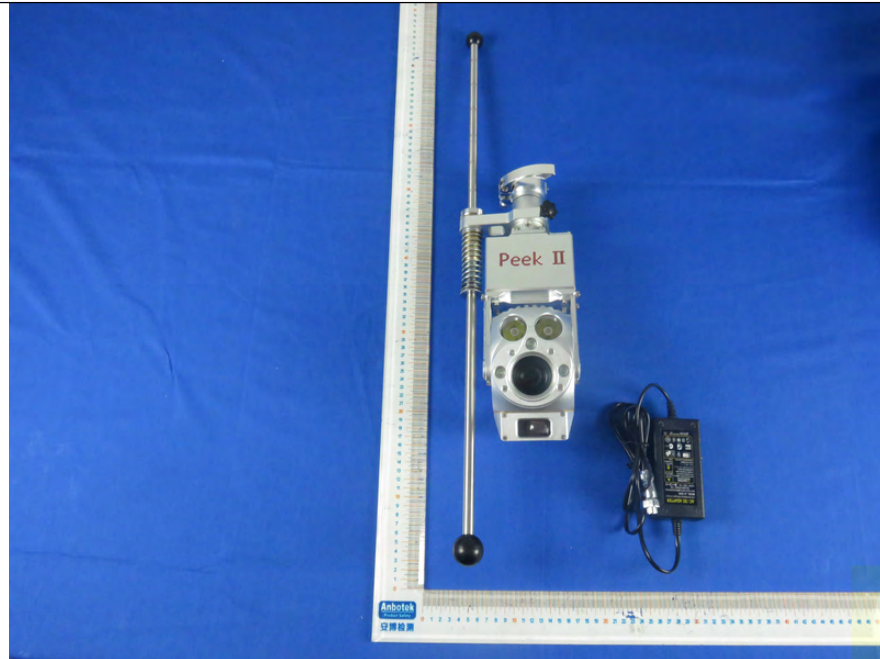
9.2. Photo of Radiation Emission Test



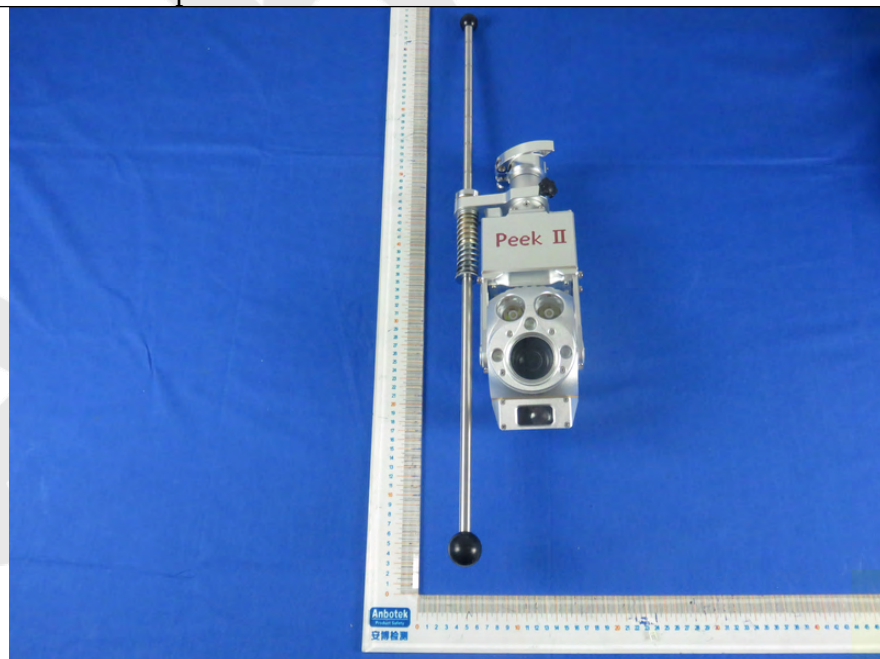


APPENDIX I (EXTERNAL PHOTOS)

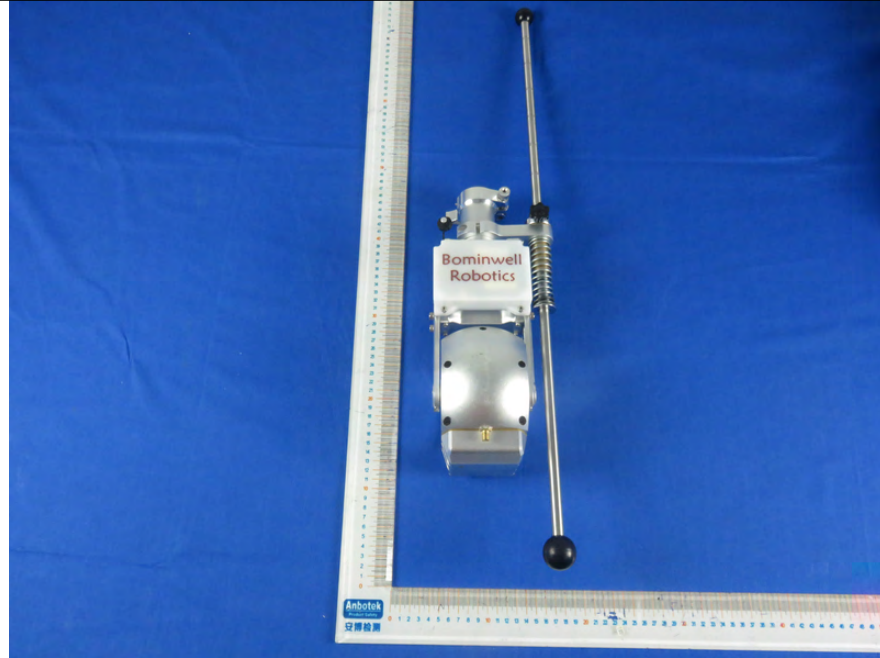
1. Figure
The EUT-Overall View



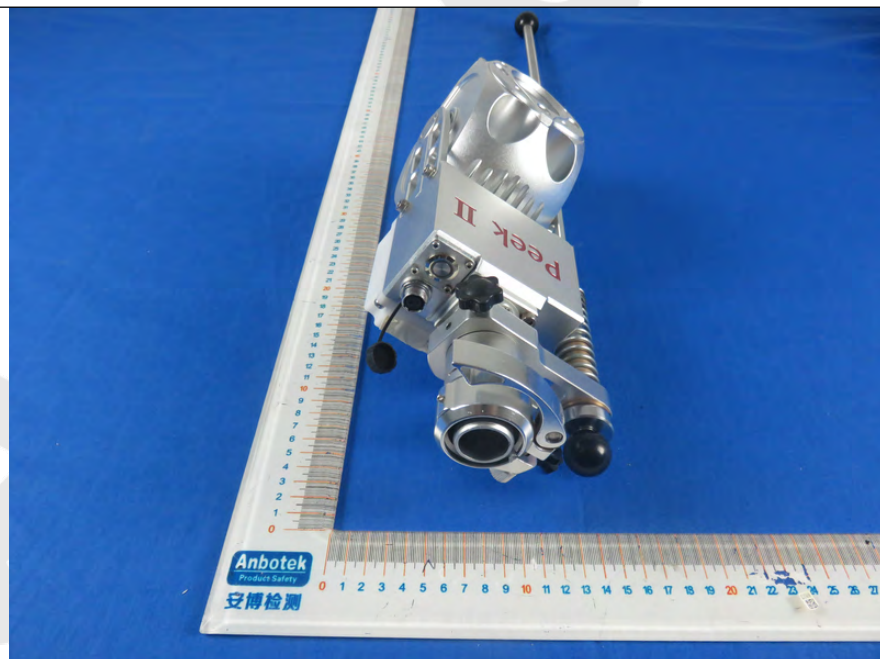
2. Figure
The EUT-Top View



3. Figure
The EUT-Bottom View



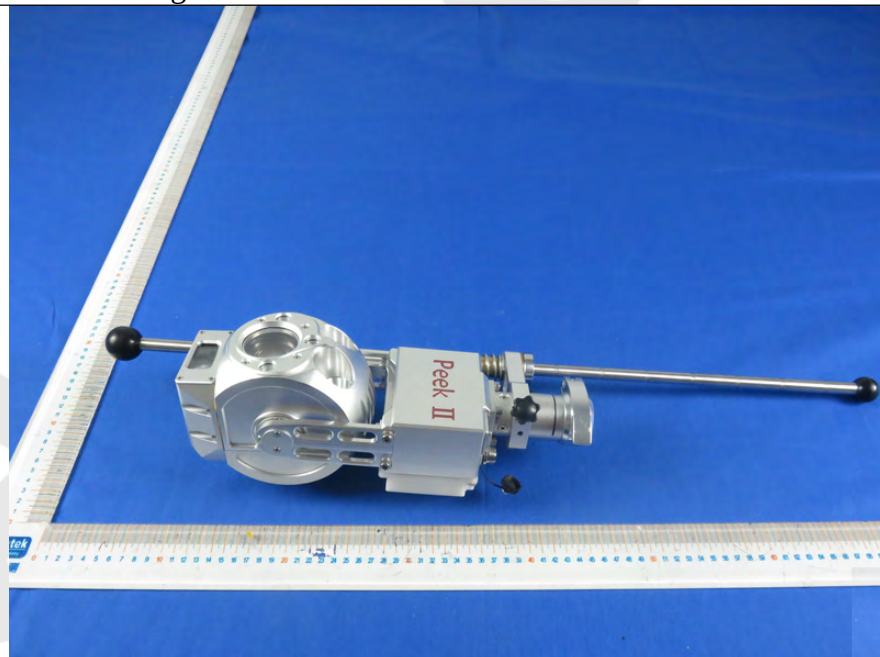
4. Figure
The EUT-Front View



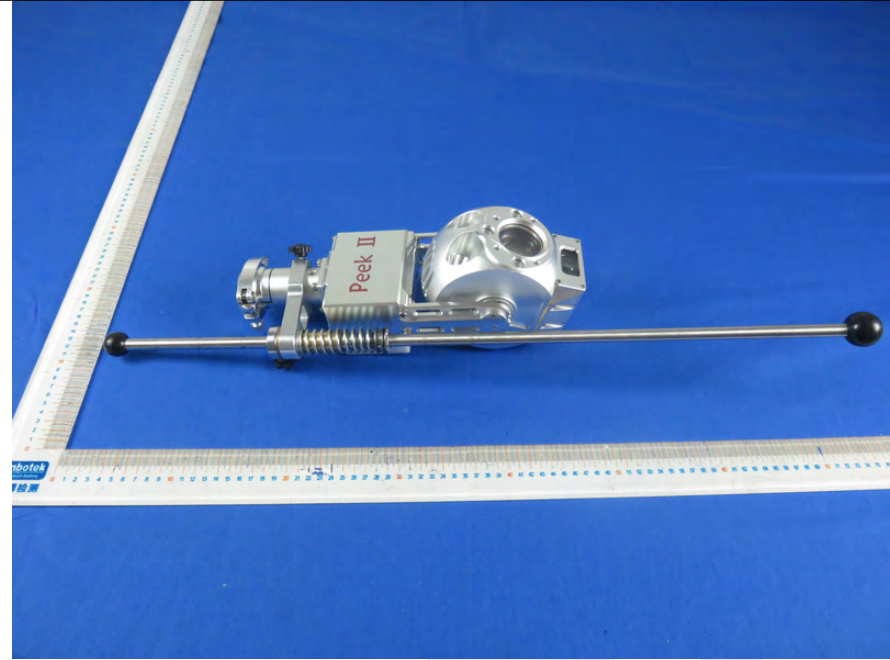
5. Figure
The EUT-Back View



6. Figure
The EUT-Right View

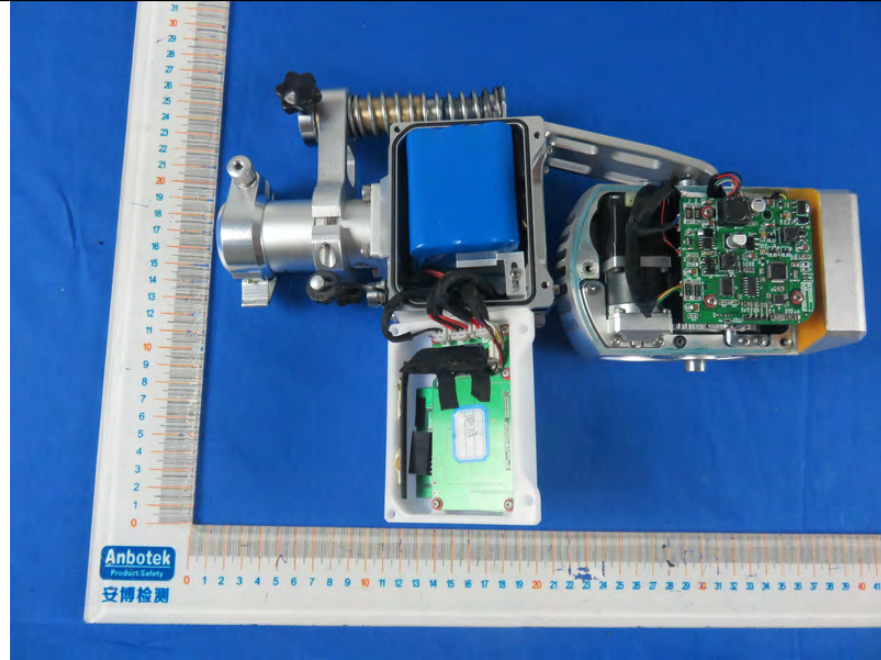


7. Figure
The EUT-Left View



APPENDIX II (INTERNAL PHOTOS)

1. Figure
The EUT-Inside View



2. Figure
PCB of the EUT-Front View



3. Figure
PCB of the EUT-Back View



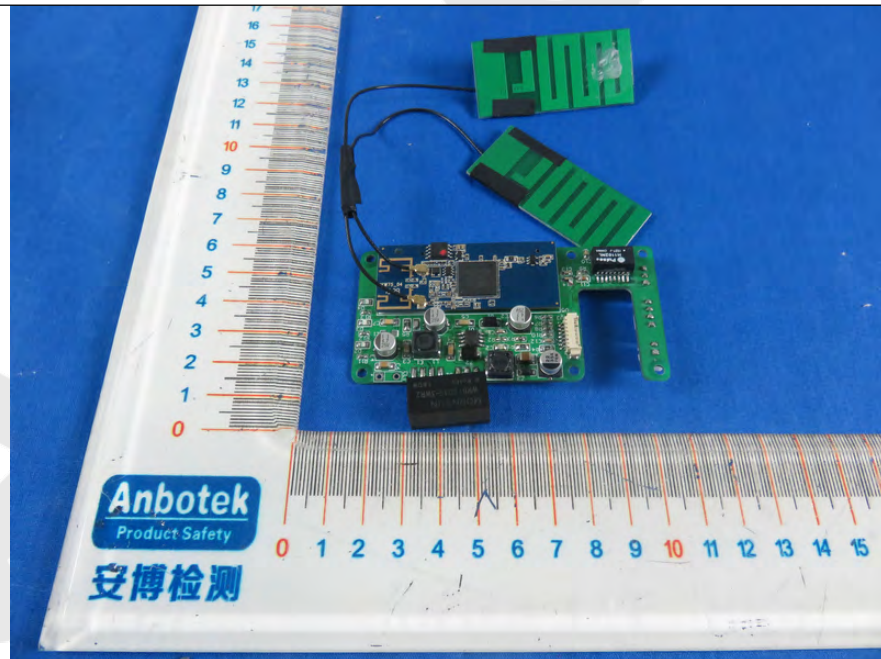
4. Figure
PCB of the EUT-Front View



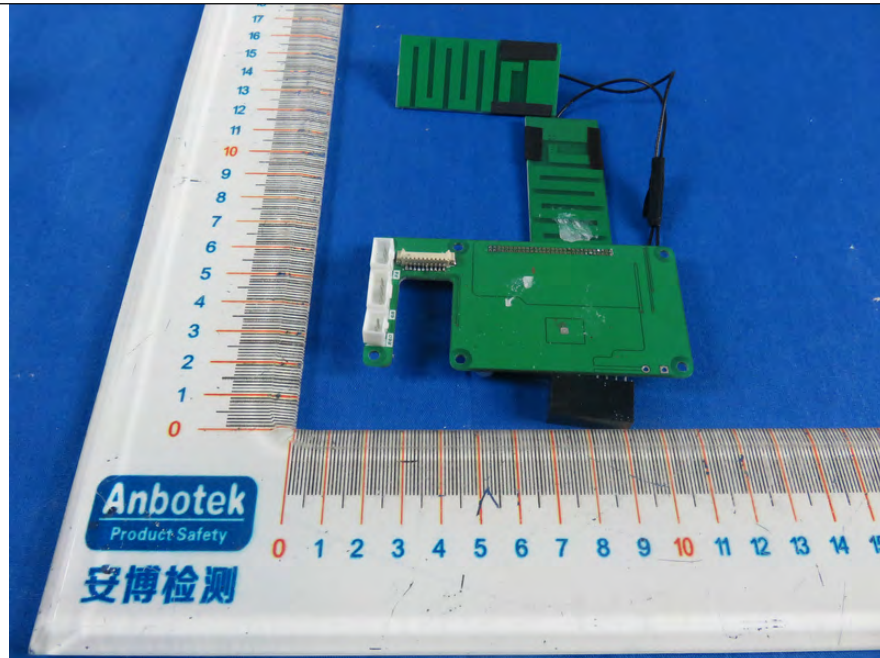
5. Figure
PCB of the EUT-Back View



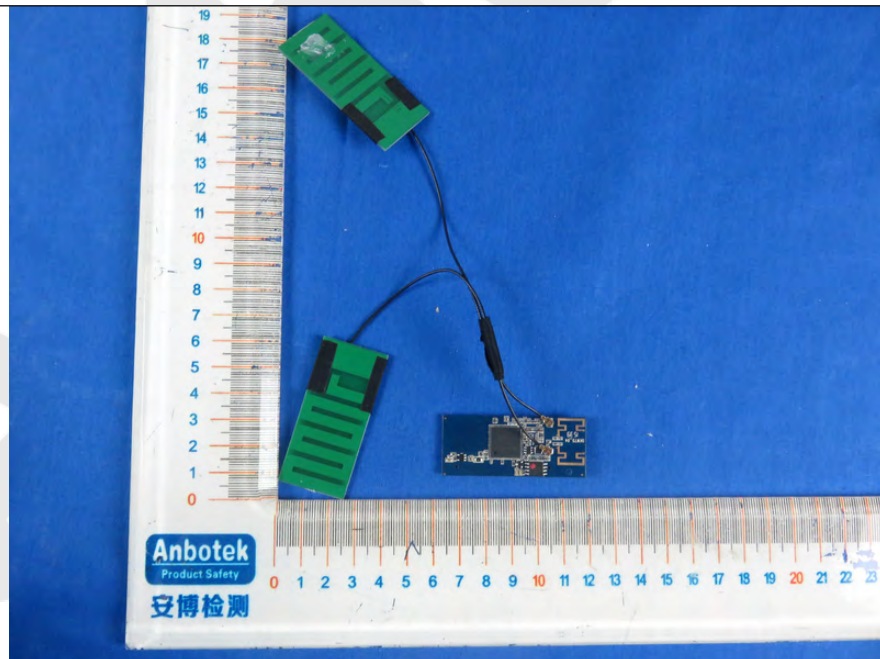
6. Figure
PCB of the EUT-Front View



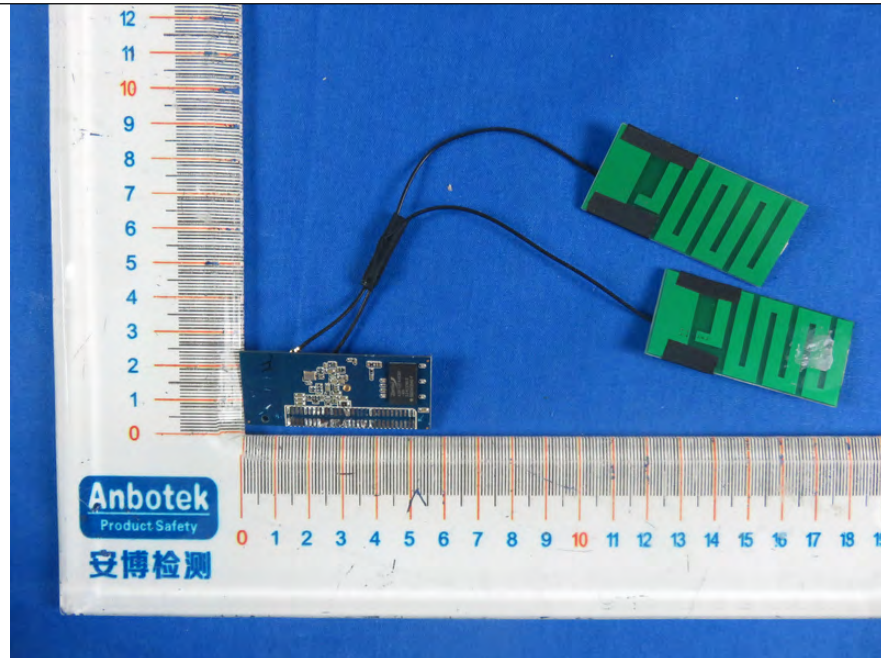
7. Figure
PCB of the EUT-Back View



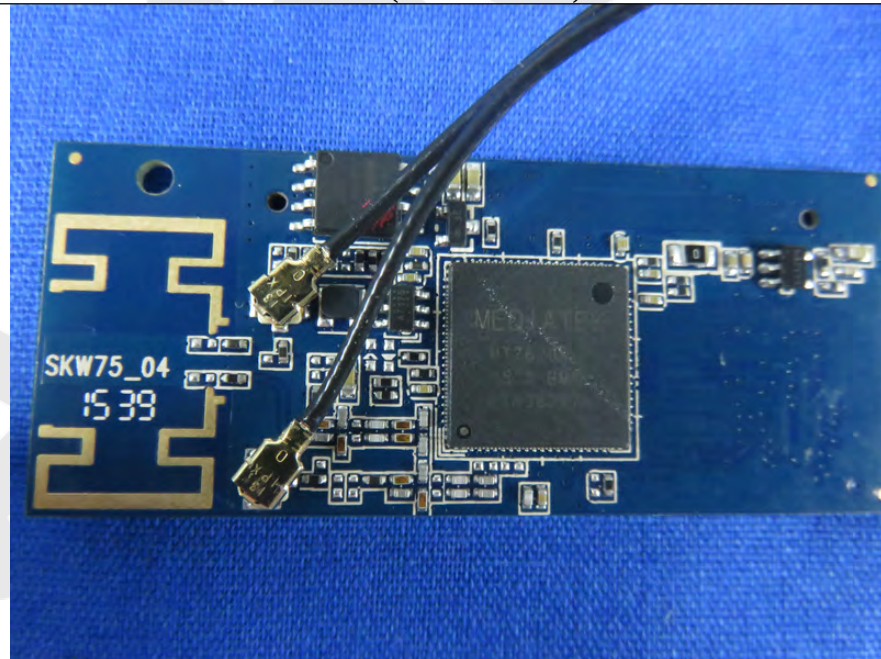
8. Figure
PCB of the EUT-Front View



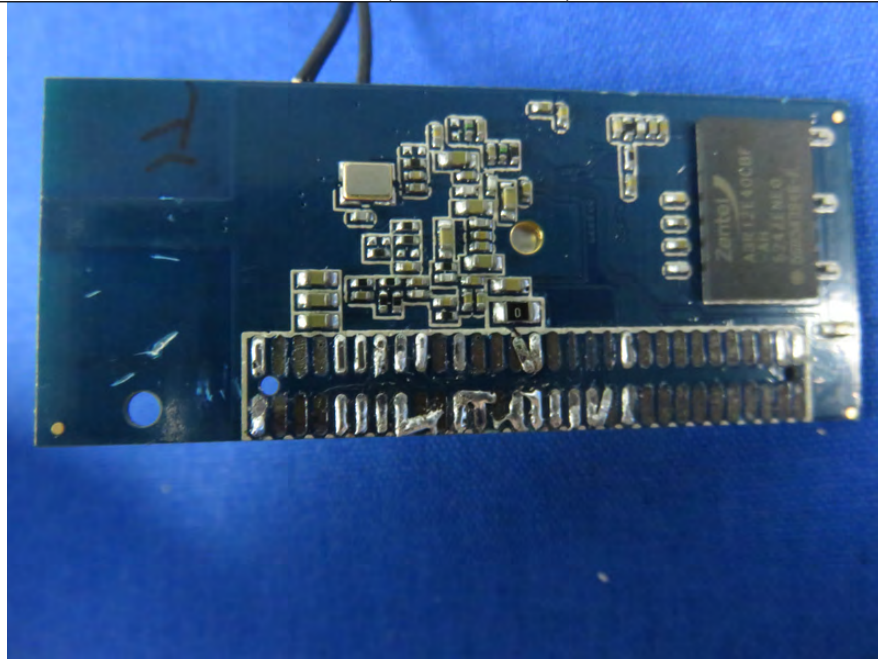
9. Figure
PCB of the EUT-Back View



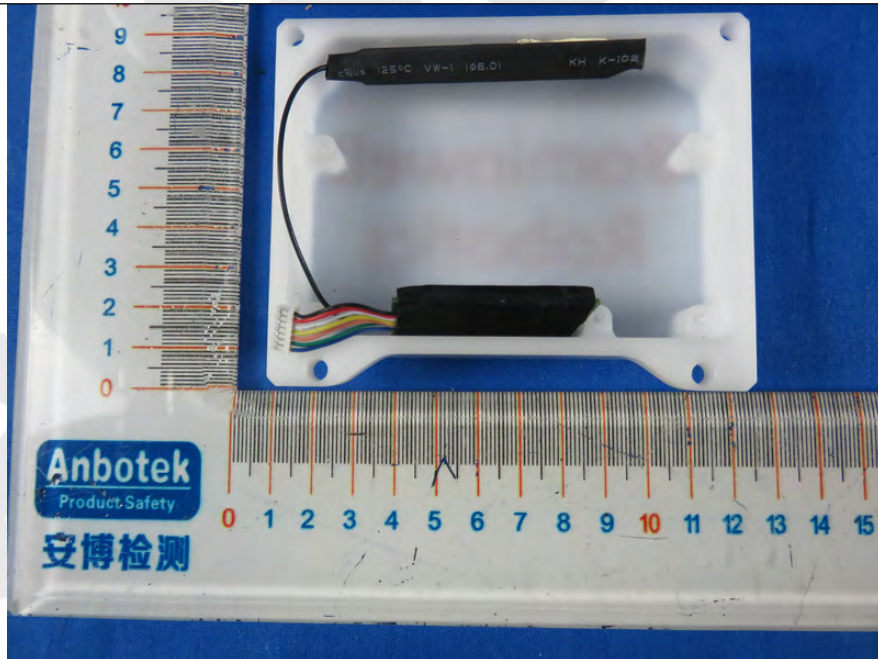
10. Figure
PCB of the EUT-Front View (WiFi Module)



11. Figure
PCB of the EUT-Back View (WiFi Module)



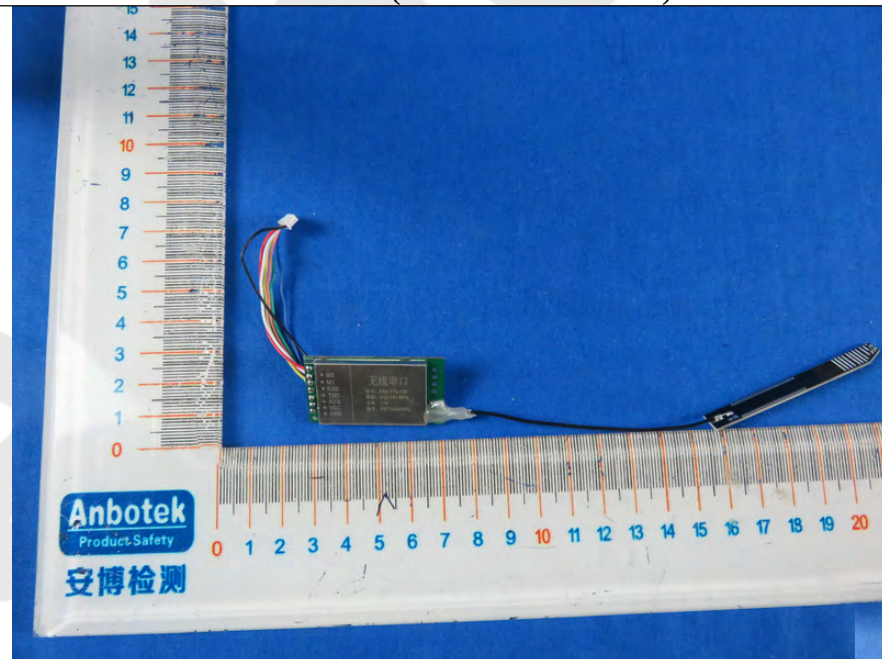
12. Figure
The EUT-Inside View



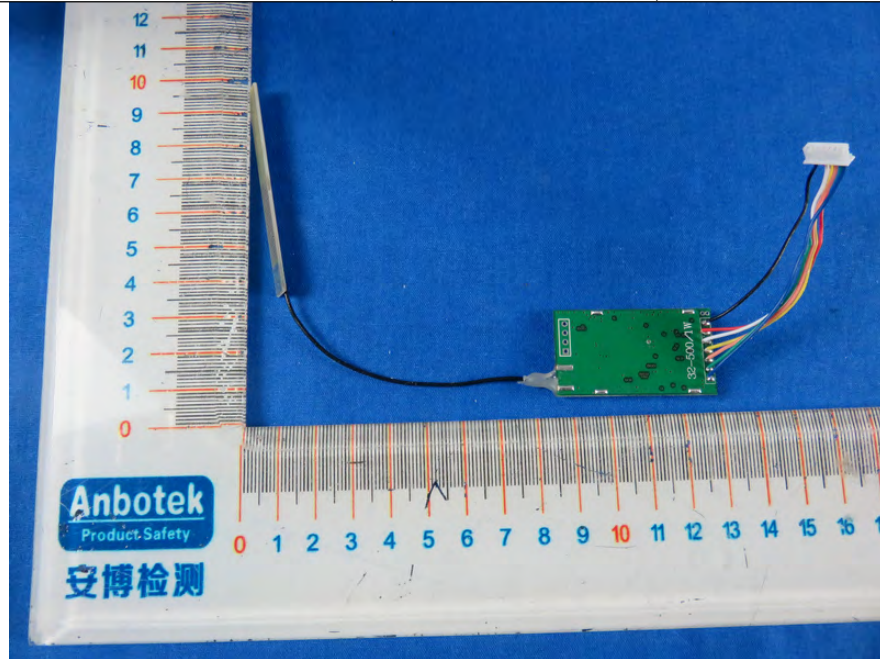
13. Figure
The EUT-Inside View



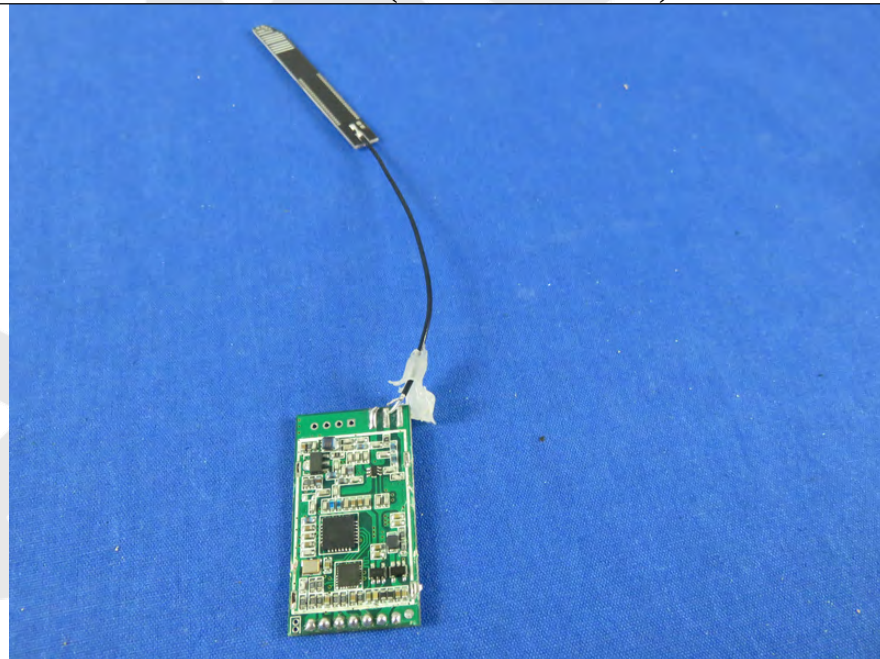
14. Figure
PCB of the EUT-Front View (433.92MHz Module)



15. Figure
PCB of the EUT-Back View (433.92MHz Module)



16. Figure
PCB of the EUT-Front View (433.92MHz Module)



17. Figure
PCB of the EUT-Back View (433.92MHz Module)

