FCC TEST REPORT

Test report
On Behalf of
Ningbo Hengbo Telecommunication Co.,Ltd.
For
Radar Sensor
Model No.: HB-T707, HB-T507, HB-T607, HB-T807, HB-T907

FCC ID: 2AJP6HB-T707

Prepared for :	**Ningbo Hengbo Telecommunication Co.,Ltd.** **No.1 JinQiao 8th Road,TaoYuan Sub-district, Ninghai County, Ningbo City, Zhejiang Province., China**
Prepared By :	**Shenzhen HUAK Testing Technology Co., Ltd.** **1F, B2 Building, Junfeng Zhongcheng Zhizao Innovation Park, Fuhai Street, Bao'an District, Shenzhen City, China**
Date of Test:	**May 20, 2019 ~ May 28, 2019**
Date of Report:	**May 28, 2019**
Report Number:	**HK1905221175-1E**

TEST RESULT CERTIFICATION

Applicant's name ..... :	Ningbo Hengbo Telecommunication Co.,Ltd.
Address ..... :	No.1 JinQiao 8th Road,TaoYuan Sub-district, Ninghai County, Ningbo City, Zhejiang Province., China
Manufacture's Name ..... :	Ningbo Hengbo Telecommunication Co.,Ltd.
Address ..... :	No.1 JinQiao 8th Road,TaoYuan Sub-district, Ninghai County, Ningbo City, Zhejiang Province., China

Product description

Trade Mark:	HTZSAFE
Product name ..... :	Radar Sensor
Model and/or type reference .:	HB-T707, HB-T507, HB-T607, HB-T807, HB-T907
Standards ..... :	FCC Part15 Subpart C 2017, Section 15.231 ANSI C63.10: 2013

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Date of Test ..... :	
Date (s) of performance of tests ..... :	May 20, 2019 ~ May 28, 2019
Date of Issue ..... :	May 28, 2019
Test Result ..... :	**Pass**

Testing Engineer : Gary Qian

(Gary Qian)

Technical Manager : Eden Hu

(Eden Hu)

Authorized Signatory : Jason Zhou

(Jason Zhou)

Contents

1. TEST SUMMARY

1.1 TEST FACILITY

Standard Section	Test Item	Result
15.203	Antenna Requirement	PASS
15.207	Conducted Emission	PASS
15.205/15.209/15.231(b)	Spurious Emission	PASS
15.231(c)	20dB Occupied Bandwidth	PASS
15.231(a)	Deactivation Testing	PASS
Remark: "N/A" is an abbreviation for Not Applicable.		

1.2 TEST FACILITY

Test Firm : Shenzhen HUAK Testing Technology Co., Ltd.

Address 1F, B2 Building, Junfeng Zhongcheng Zhizao Innovation Park, Fuhai Street, Bao'an District, Shenzhen City, China

1.3 MEASUREMENT UNCERTAINTY

Measurement uncertainty		
Parameter	Conditions	Uncertainty
Occupied Bandwidth	Conducted	±1.5%
Conducted Spurious Emission	Conducted	±2.17dB
Transmission Time	Conducted	±5%
Conducted Emissions	Conducted	±2.88dB
Transmitter Spurious Emissions	Radiated	±5.1dB

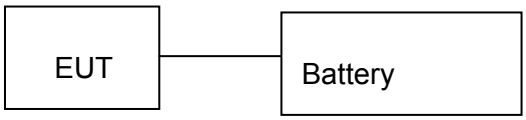
2. General Information

2.1. Description of Device (EUT)

Product Name	:	Radar Sensor	
Model No.	:	HB-T707	
Serial No	:	HB-T507, HB-T607, HB-T807, HB-T907	
Model Difference	:	All model's the function, software and electric circuit are the same, only with a product color and model named different. Test sample model: HB-T707.	
Trade Mark	:	HTZSAFE	
Test Power Supply	:	DC 3.2V From Battery or DC 3.2V From Solar panel or DC 5V From Adapter	
Product Description	:	Operation Frequency:	434.6MHz
		Number of Channel:	1 Channels
		Modulation Type:	FSK
		Antenna Type:	Internal Antenna
		Antenna Gain(Peak):	0 dbi
Remark: 1)For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.			

2.2. DESCRIPTION OF TEST SETUP

Operation of EUT during Radiation and Above1GHz Radiation testing:



2.3. List of channels

Channel	Freq. (MHz)	Note (Modulation Type)
01	434.6	FSK

2.5. Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	L.I.S.N. Artificial Mains Network	R&S	ENV216	HKE-002	Dec. 27, 2018	1 Year
2.	Receiver	R&S	ESCI 7	HKE-010	Dec. 27, 2018	1 Year
3.	RF automatic control unit	Tonscend	JS0806-2	HKE-060	Dec. 27, 2018	1 Year
4.	Spectrum analyzer	R&S	FSP40	HKE-025	Dec. 27, 2018	1 Year
5.	Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 27, 2018	1 Year
6.	Preamplifier	Schwarzbeck	BBV 9743	HKE-006	Dec. 27, 2018	1 Year
7.	EMI Test Receiver	Rohde & Schwarz	ESCI 7	HKE-010	Dec. 27, 2018	1 Year
8.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	HKE-012	Dec. 27, 2018	1 Year
9.	Loop Antenna	Schwarzbeck	FMZB 1519 B	HKE-014	Dec. 27, 2018	1 Year
10.	Horn Antenna	Schewarzbeck	9120D	HKE-013	Dec. 27, 2018	1 Year
11.	Pre-amplifier	EMCI	EMC051845 SE	HKE-015	Dec. 27, 2018	1 Year
12.	Pre-amplifier	Agilent	83051A	HKE-016	Dec. 27, 2018	1 Year
13.	EMI Test Software EZ-EMC	Tonscend	JS1120-B Version	HKE-083	Dec. 27, 2018	N/A
14.	Power Sensor	Agilent	E9300A	HKE-086	Dec. 27, 2018	1 Year
15.	Spectrum analyzer	Agilent	N9020A	HKE-048	Dec. 27, 2018	1 Year
16.	Signal generator	Agilent	N5182A	HKE-029	Dec. 27, 2018	1 Year
17.	Signal Generator	Agilent	83630A	HKE-028	Dec. 27, 2018	1 Year
18.	Shielded room	Shiel Hong	4*3*3	HKE-039	Dec. 27, 2018	3 Year

3. Conducted Emission Test

3.1 Conducted Power Line Emission Limit

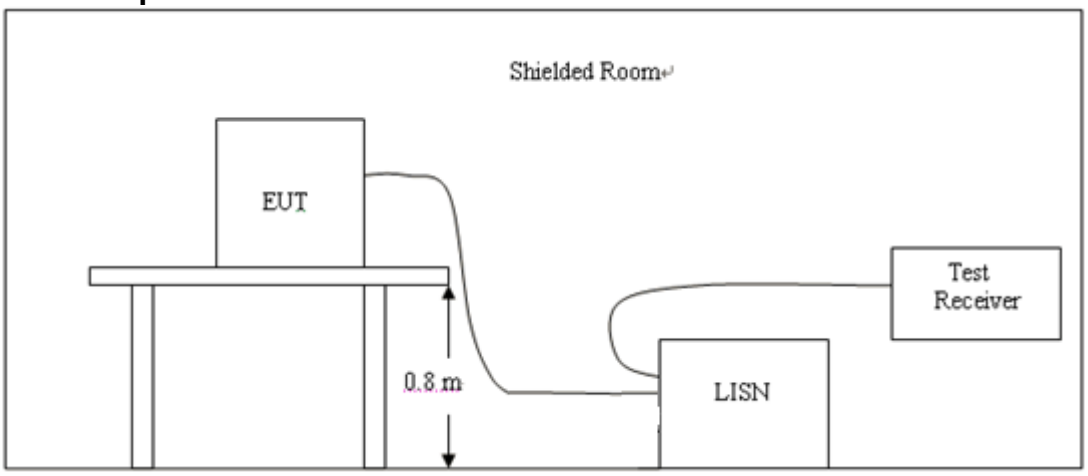
For unintentional device, according to § 15.107(a) Line Conducted Emission Limits is as following

Frequency (MHz)	Maximum RF Line Voltage (dBμV)			
	CLASS A		CLASS B	
	Q.P.	Ave.	Q.P.	Ave.
0.15 - 0.50	79	66	66-56*	56-46*
0.50 - 5.00	73	60	56	46
5.00 - 30.0	73	60	60	50

* Decreasing linearly with the logarithm of the frequency

For intentional device, according to §15.207(a) Line Conducted Emission Limit is same as above table.

3.2 Test Setup



3.3 Test Procedure

1, The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10.

2, Support equipment, if needed, was placed as per ANSI C63.10.

3, All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.

4, If a EUT received DC power from the USB Port of Notebook PC, the PC's adapter received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.

5, All support equipments received AC power from a second LISN, if any.

6, The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.

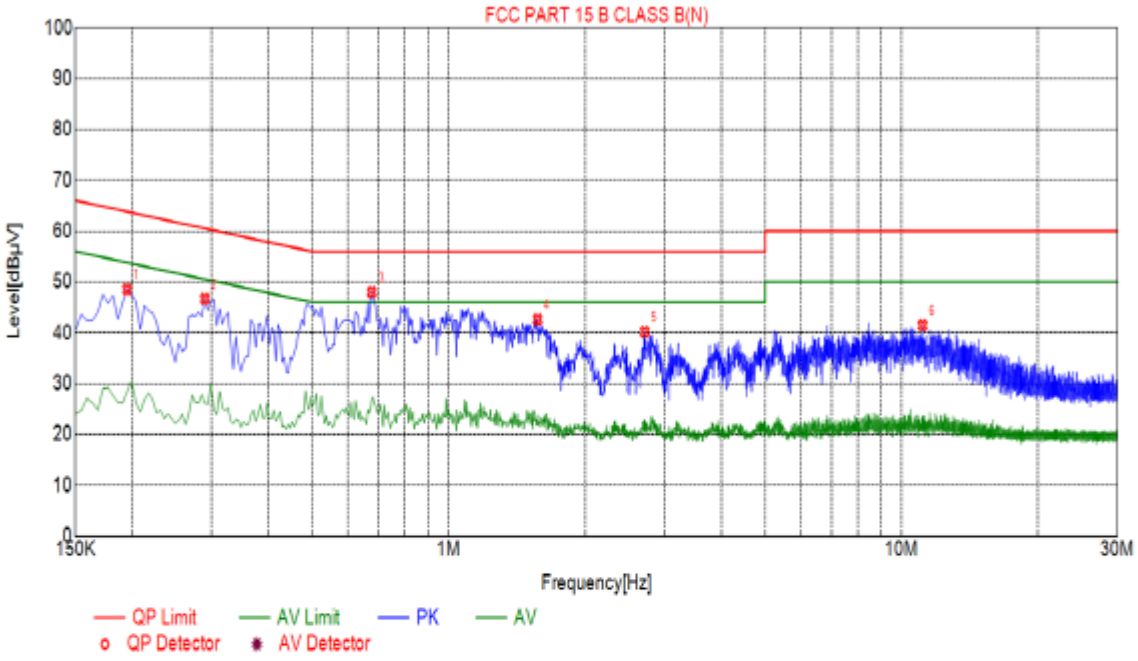
7, Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.

3.4 Test Data

PASS

All the test modes completed for test. only the worst result of AC120V/50Hz(434.6MHz) was reported as below:

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

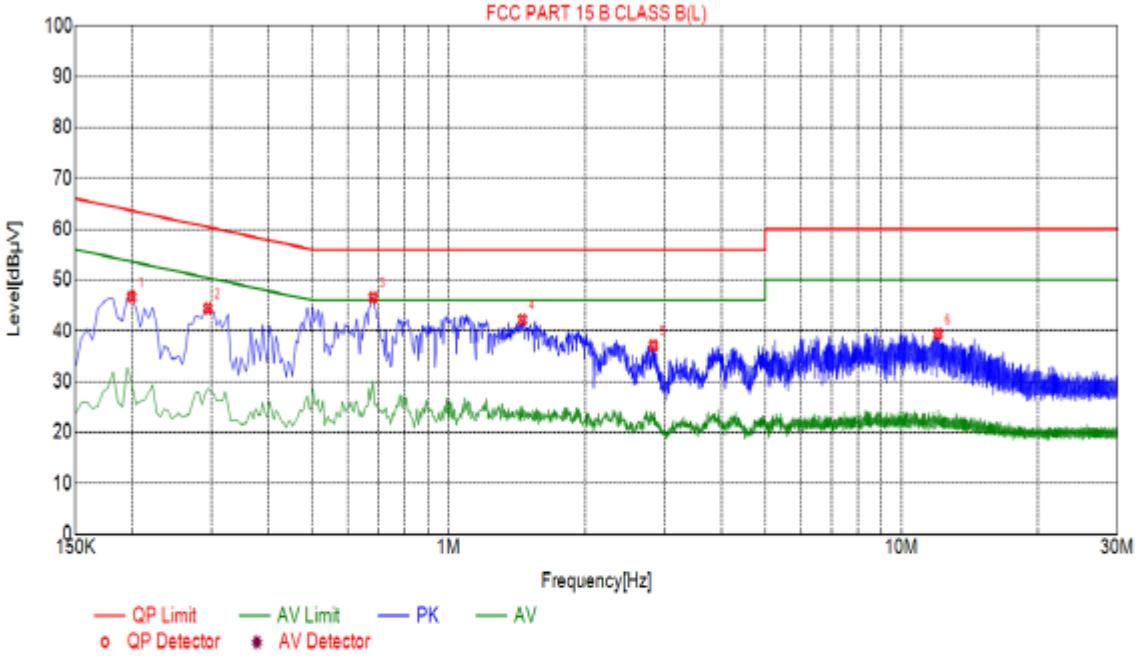


Suspected List

NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Detector
1	0.1950	48.54	10.03	63.82	15.28	PK
2	0.2895	46.69	10.03	60.54	13.85	PK
3	0.6765	48.01	10.05	56.00	7.99	PK
4	1.5720	42.62	10.11	56.00	13.38	PK
5	2.7105	40.19	10.21	56.00	15.81	PK
6	11.1345	41.47	10.01	60.00	18.53	PK

Remark: Transd = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

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



Suspected List						
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Detector
1	0.1995	46.68	10.03	63.63	16.95	PK
2	0.2940	44.43	10.03	60.41	15.98	PK
3	0.6810	46.57	10.05	56.00	9.43	PK
4	1.4550	42.21	10.10	56.00	13.79	PK
5	2.8320	37.10	10.21	56.00	18.90	PK
6	12.0435	39.35	9.99	60.00	20.65	PK

Remark: Transd = Cable lose + Antenna factor - Pre-amplifier; Margin = Limit – Level

4. Radiated Emissions

4.1. Standard Applicable

According to §15.231(b), 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 Emissions (microvolts/meter)
40.66 - 40.70	2,250	225
70 - 130	1,250	125
130 - 174	1,250 to 3,750 **	125 to 375 **
174 - 260	3,750	375
260 - 470	3,750 to 12,500 **	375 to 1,250 **
Above 470	12,500	1,250

** linear interpolations

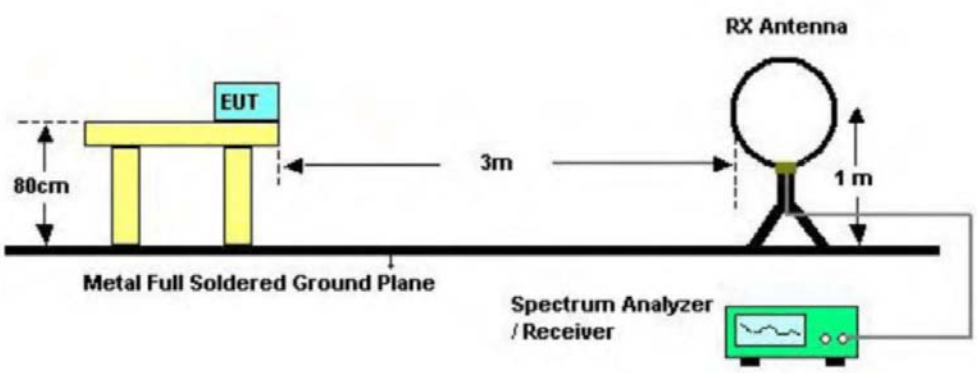
The limits on the field strength of the spurious emissions in the above table are based on the fundamental frequency of the intentional radiator. Spurious emissions shall be attenuated to the average (or, alternatively, CISPR quasi-peak) limits shown in this table or to the general limits shown in §15.209, whichever limit permits a higher field strength.

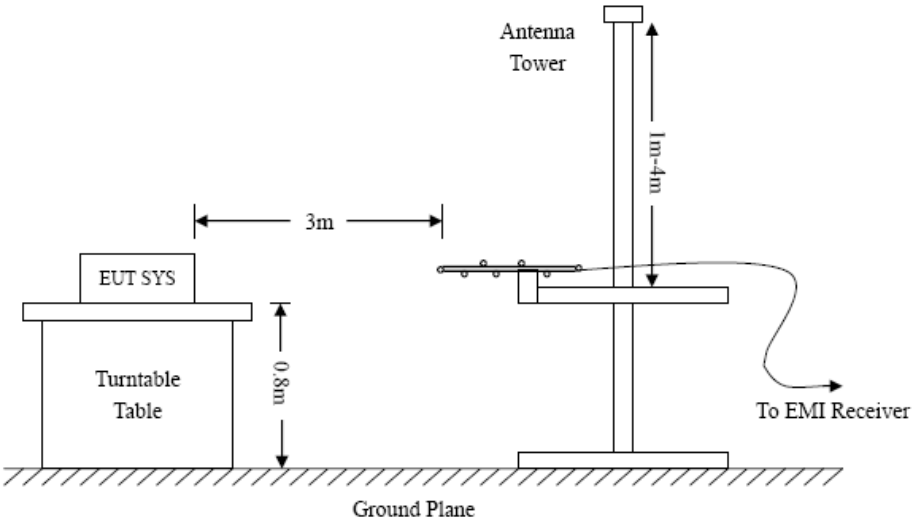
The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply. Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

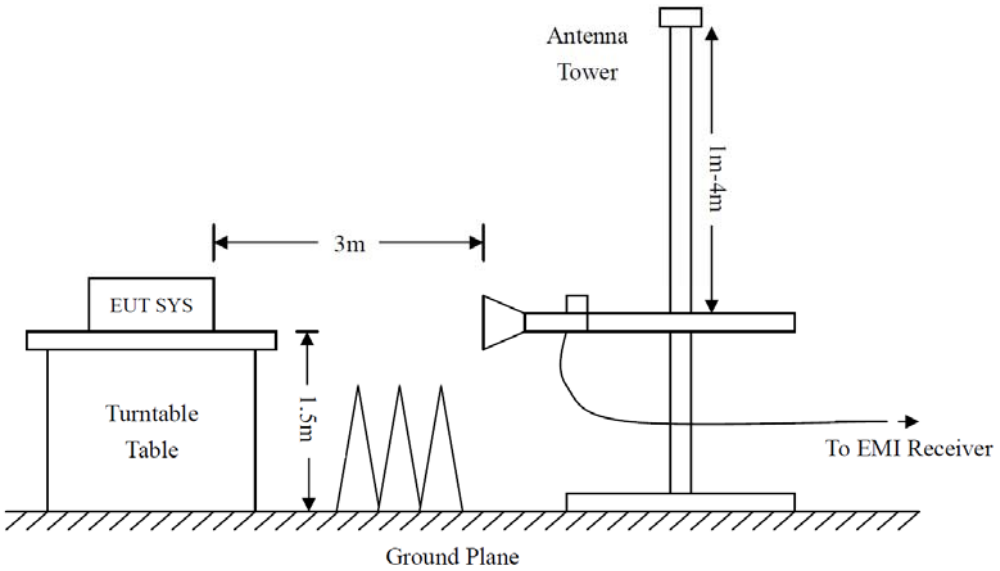
Compliance with the provisions of §15.205 shall be demonstrated using the measurement instrumentation specified in that section.

4.2. Test Procedure

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.205 15.231(b) and FCC Part 15.209 Limit.


RX Antenna
EUT
80cm
3m
1 m
Metal Full Soldered Ground Plane
Spectrum Analyzer
/ Receiver


Antenna
Tower
1m-4m
3m
EUT SYS
Turntable
Table
0.8m
To EMI Receiver
Ground Plane


Antenna
Tower
1m-4m
3m
EUT SYS
Turntable
Table
1.5m
To EMI Receiver
Ground Plane

4.3. Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Indicated Reading +Ant.Loss +Cab. Loss – Ampl.Gain

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit.For example, a margin of -6dB V means the emission is 6dB V below the maximum limit. The equation for margin calculation is as follows:

Margin = Corr. Ampl. – FCC Part 15C Limit

4.4. Environmental Conditions

Temperature:	21℃
Relative Humidity:	50%
ATM Pressure:	1011 mbar

4.5. Test Data

According to the data below, the FCC Part 15.205, 15.209 and 15.231 standards, and had the worst margin of:

Note: this EUT was tested in 3 orthogonal positions and the worst case position data was reported.

30MHz~ 1000MHz

Horizontal

No.	Frequency	Reading	Corr.	Duty cycle	Result	Limit	Margin	Remark
	MHz	dBuV/m	Factor (dB)	Factor (dB)	dBuV/m	dBuV/m	dB	
1	218.36	19.34	-4.31	N/A	15.03	43.50	-28.47	QP
2	309.63	21.75	-2.66	N/A	19.09	46.00	-26.91	QP
3	391.56	22.06	-5.82	N/A	16.24	46.00	-29.76	QP
4	434.60	64.83	-1.74	N/A	63.09	100.83	-37.74	peak
	434.60	/	/	-9.33	53.76	80.83	-27.07	Ave
5	573.05	21.93	-2.59	N/A	19.34	46.00	-26.66	QP
6	773.69	24.35	-6.43	N/A	17.92	46.00	-28.08	QP
7	871.28	21.83	-0.82	N/A	21.01	46.00	-24.99	QP

Vertical

No.	Frequency	Reading	Corr.	Duty cycle	Result	Limit	Margin	Remark
	MHz	dBuV/m	Factor (dB)	Factor (dB)	dBuV/m	dBuV/m	dB	
1	215.06	18.71	-4.46	N/A	14.25	43.50	-29.25	QP
2	341.92	22.34	-3.52	N/A	18.82	46.00	-27.18	QP
3	372.39	22.71	-5.24	N/A	17.47	46.00	-28.53	QP
4	434.60	66.36	-2.55	N/A	63.81	100.83	-37.02	peak
	434.60	/	/	-9.33	54.48	80.83	-26.35	Ave
5	561.04	23.02	-3.29	N/A	19.73	46.00	-26.27	QP
6	753.81	25.19	-6.44	N/A	18.75	46.00	-27.25	QP
7	877.35	23.17	-1.76	N/A	21.41	46.00	-24.59	QP

Above 1G*Hz*

Horizontal

No.	Frequency	Reading	Corr.	Duty cycle	Result	Limit	Margin	Deg.	Height	Remark
	MHz	dBuV/m	Factor (dB)	Factor (dB)	dBuV/m	dBuV/m	dB	(°)	(cm)	
1	1303.4	30.72	25.83	N/A	56.55	74	-17.45	59	100	Peak
	1303.4	/	/	-9.33	47.22	54	-6.78	315	100	Ave
2	1738.4	27.41	27.25	N/A	54.66	74	-19.34	238	100	Peak
	1738.4	/	/	-9.33	45.33	54	-8.67	91	100	Ave

Vertical

No.	Frequency	Reading	Corr.	Duty cycle	Result	Limit	Margin	Deg.	Height	Remark
	MHz	dBuV/m	Factor (dB)	Factor (dB)	dBuV/m	dBuV/m	dB	(°)	(cm)	
1	1303.4	27.39	25.83	N/A	53.22	74	-20.78	132	100	Peak
	1303.4	/	/	-9.33	43.89	54	-10.11	78	100	Ave
2	1738.4	25.72	27.25	N/A	52.97	74	-21.03	259	100	Peak
	1738.4	/	/	-9.33	43.64	54	-10.36	157	100	Ave

Note: Testing is carried out with frequency rang 30MHz to the tenth harmonics, which above 5_{th} Harmonics are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

The fundamental frequency is 434.6MHz, so the fundamental and spurious emissions radiated limit base on the the operating frequency 434.6MHz.

Frequency Range (9 kHz-30MHz)

Frequency (MHz)	Level@3m (dBμV/m		Limit@3m (dBμV/m)	
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--

Note: 1. Emission Level=Reading+ Cable loss-Antenna factor-Amp factor

2. The emission levels are 20 dB below the limit value, which are not reported. It is deemed to comply with the requirement.

5. 20DB Occupy Bandwidth Test

5.1. Standard Applicable

According to FCC Part 15.231(c), The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz. Bandwidth is determined at the points 20 dB down from the modulated carrier.

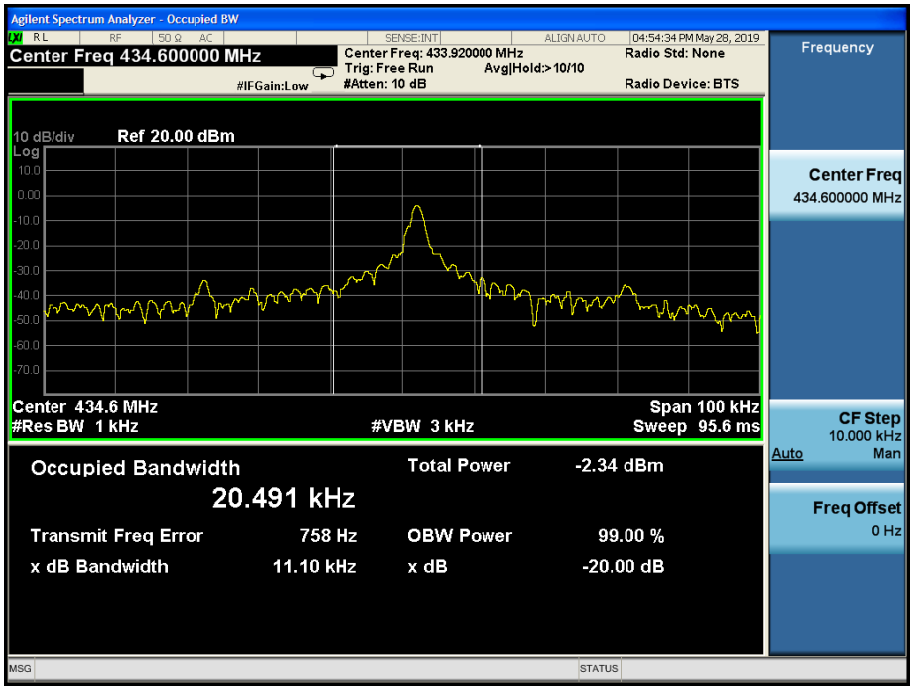
5.2. Test Procedure

With the EUT's antenna attached, the EUT's 20dB Bandwidth power was received by the test antenna, which was connected to the spectrum analyzer with the START, and STOP frequencies set to the EUT'soperation band.

Temperature:	21℃
Relative Humidity:	52%
ATM Pressure:	1011 mbar

5.4. Test Data

Freq. (MHz)	Modulation Type	Bandwidth (kHz)	Limit (kHz)	Results
434.6	FSK	11.10	<1084.80	PASS



6. Transmission Time

6.1. Standard Applicable

According to FCC Part 15.231(a), the transmitter shall be complied the following requirements:

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

(2) A transmitter activated automatically shall cease transmission within 5 seconds after activation.

(3) Periodic transmissions at regular predetermined intervals are not permitted. However, polling or supervision transmissions, including data, to determine system integrity of transmitters used in security or safety applications are allowed if the total duration of transmissions does not exceed more than two seconds per hour for each transmitter. There is no limit on the number of individual transmissions, provided the total transmission time does not exceed two seconds per hour.

6.2. Test Procedure

With the EUT's antenna attached, the EUT's output signal was received by the test antenna, which was connected to the spectrum analyzer. Set the center frequency to 434.6MHz, than set the spectrum analyzer to Zero Span for the release time reading. During the testing, the switch was released then the EUT automatically deactivated.

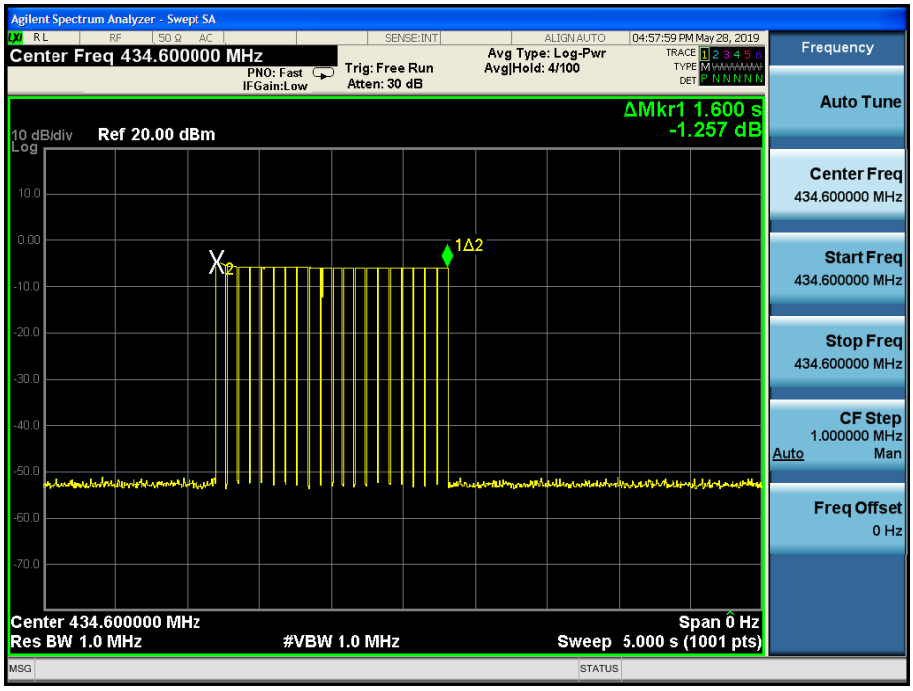
6.3. Environmental Conditions

Temperature:	20℃
Relative Humidity:	52%
ATM Pressure:	1011 mbar

6.4. Test Data

Transmission Type	Test Frequency MHz	Transmission Time seconds	Limit s	Result
Manually	434.6	1.600	5	PASS

Please refer the following plot.


Agilent Spectrum Analyzer - Swept SA
Center Freq 434.600000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 4/100
04:57:59 PM May 28, 2019
ΔMkr1 1.600 s
-1.257 dB
10 dB/div
Log
Ref 20.00 dBm
1Δ2
Center 434.600000 MHz
Res BW 1.0 MHz
#VBW 1.0 MHz
Span 0 Hz
Sweep 5.000 s (1001 pts)
Frequency
Auto Tune
Center Freq
434.600000 MHz
Start Freq
434.600000 MHz
Stop Freq
434.600000 MHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

7. Duty Cycle

7.1. Standard Applicable

According to FCC Part 15.231(b)(2) and 15.35 (c),For pulse operation transmitter, the averaging pulsed emissions are calculated by peak value of measured emission plus duty cycle factor.

7.2. Test Procedure

1) The EUT was placed on a turntable which is 0.8m above ground plane.

2) Set EUT operating in continuous transmitting mode

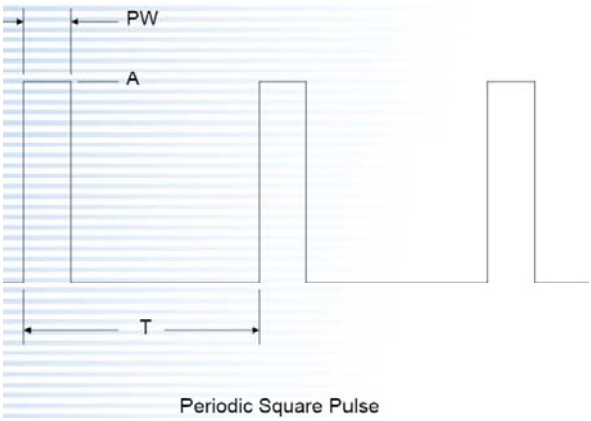
3) Set Test Receiver into spectrum analyzer mode, Tune the spectrum analyzer to the transmitter carrier frequency, and set the spectrum analyzer resolution bandwidth(RBW) to 1000kHz and video bandwidth(VBW) to 1000kHz, Span was set to 0Hz.

4) The Duty Cycle was measured and recorded.

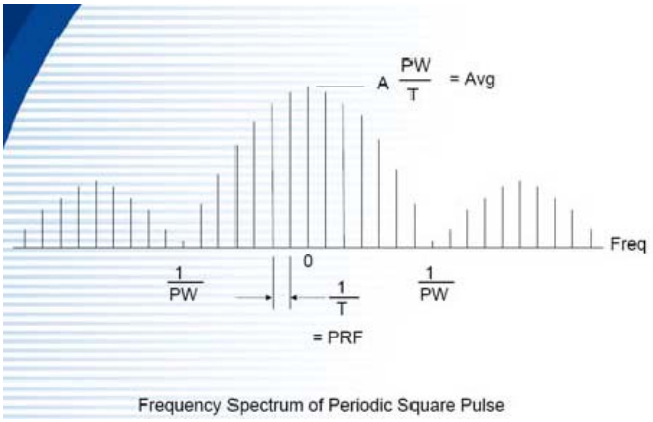
7.4. INTRODUCTION TO PDCF reference:

(§15.35 Measurement detector functions and bandwidths.)

1) Part 15 of the FCC Rules provides for the operation of low power communication devices without an individual license (e.g., intrusion detectors, pulsed water tank level gauges, etc.), subject to certain requirements. Some of these devices use extremely narrow pulses to generate wideband emissions, which are measured to determine compliance with the rules. These measurements are typically performed with a receiver or spectrum analyzer. Depending on a number of factors (e.g., resolution bandwidth, pulsewidth, etc.), the spectrum analyzer may not always display the true peak value of the measured emission. This effect, called “pulse desensitization,” relates to the capabilities of the measuring instrument. For the measurement and reporting of the true peak of pulsed emissions, it may be necessary to apply a “pulse desensitization correction factor” (PDCF) to the measured value, pursuant to 47 CFR 15.35(a).



Periodic Square Pulse



Frequency Spectrum of Periodic Square Pulse

If using spectrum analyzer to measure pulse signal , it have to make sure the RBW use is at least 2/PW.
•When RBW is less than 2/PW, you are able to measure the true peak level of the pulse signal. If this is the case ,
PDCF is required to compensate to determine true peak value.
Pulse desensitization:
PW =28340usec (4960* 4+ 500*17), Period=78800usec, Level=A
RBW>2/PW=0.07K, 1/T=0.12K
NOTE: 2 / PW < RBW, first don't need

2). For the actual test, please refer to the ANSI C63.10,Annex C refer to section 5 for more detail

7.5. Test Data

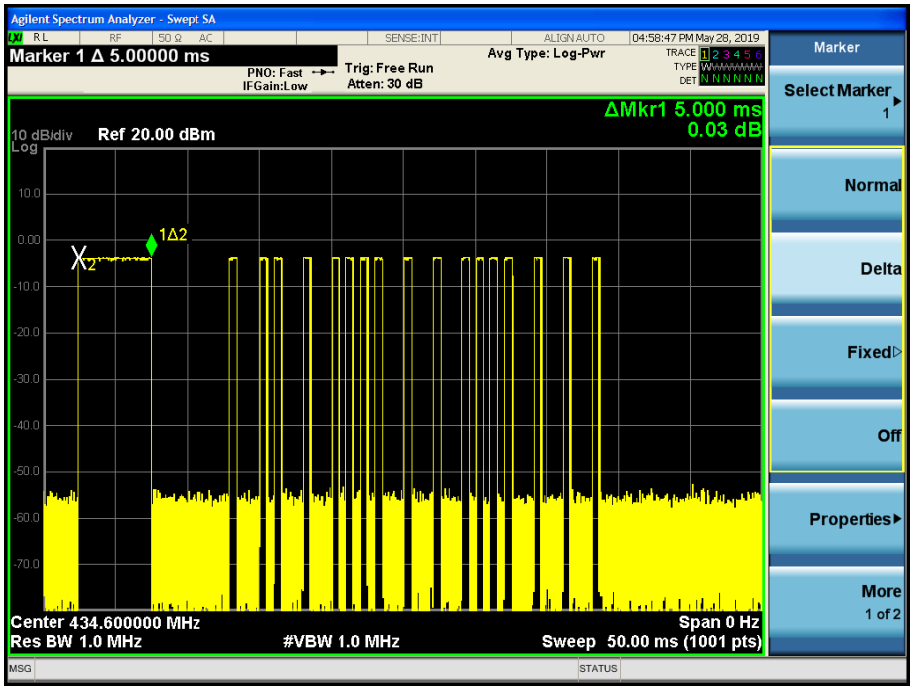
In a 100ms observation period found 0.3ms burst 10 pcs, 0.94ms burst 15 pcs, the Duty Cycle can calculate as below:

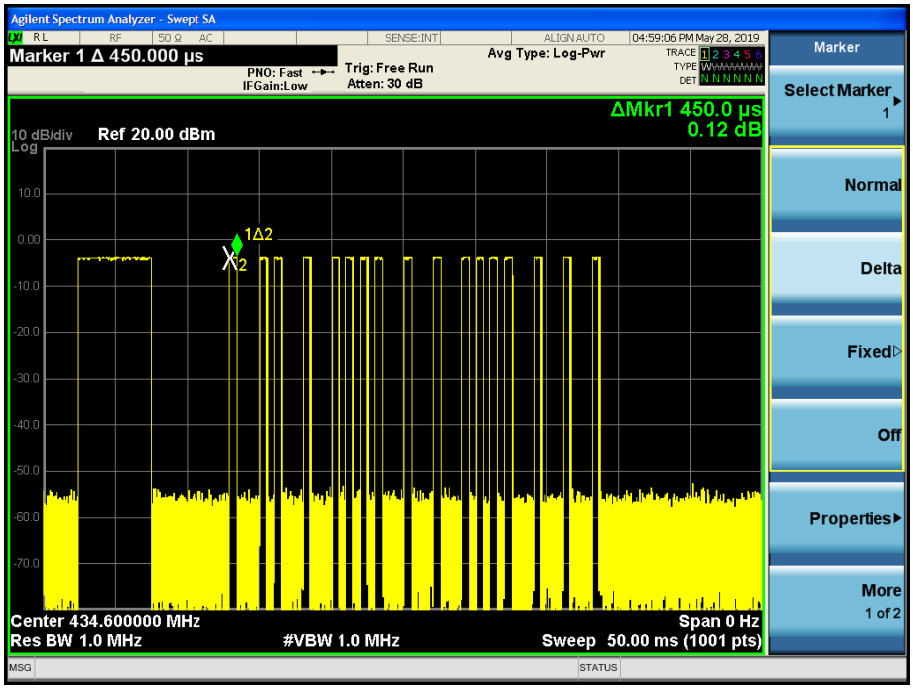
Type of Pulse	Width of Pulse ms	Quantity of Pulse	Transmission Time ms	Total Time(T_{on}) ms
Pulse 1 (Wide)	5.00	4	20	27.65
Pulse 2 (Narrow)	0.45	17	7.65	

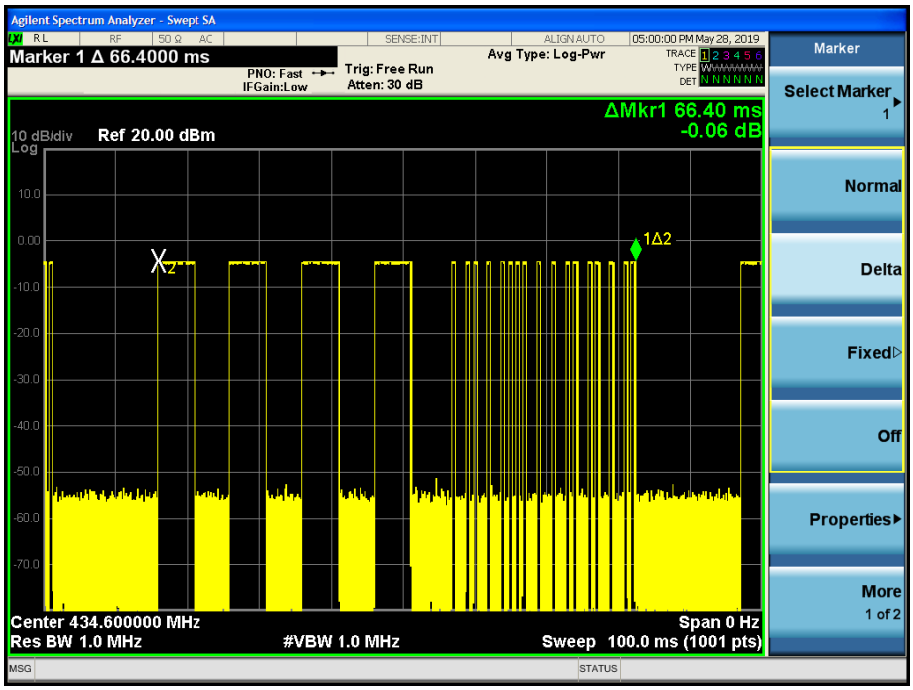
Test Period (T_p) ms	Total Time (T_{on}) ms	Duty Cycle %	Duty Cycle Factor dB
81	27.65	34.14	-9.33

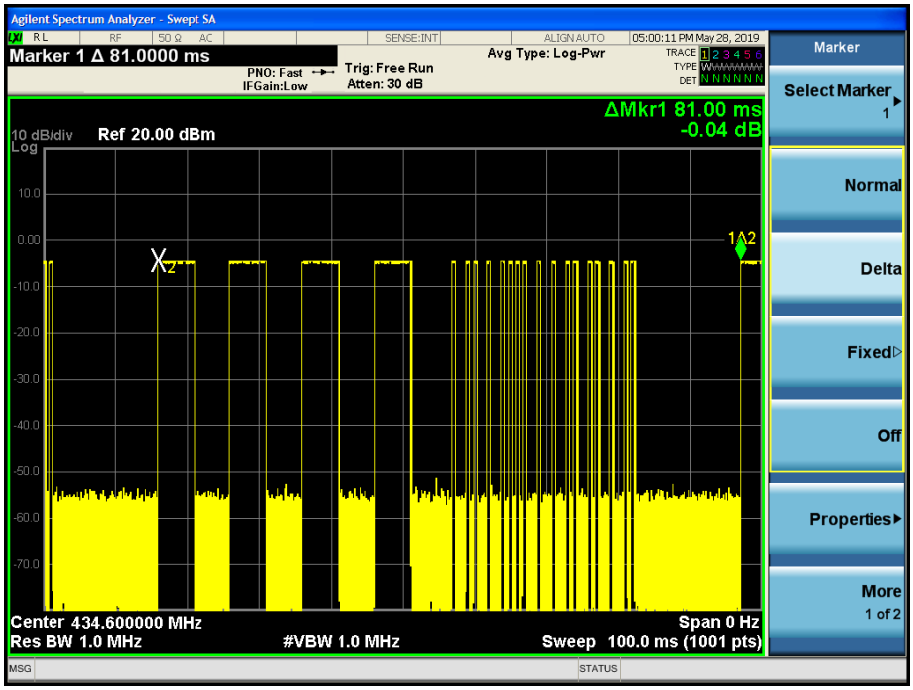
Remark: Duty Cycle Factor=20*log (Duty Cycle)

Please refer to the attached test plots


Agilent Spectrum Analyzer - Swept SA
Marker 1 Δ 5.00000 ms
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
04:58:47 PM May 28, 2019
ΔMkr1 5.000 ms
0.03 dB
10 dB/div
Log
Ref 20.00 dBm
1Δ2
Center 434.600000 MHz
Res BW 1.0 MHz
#VBW 1.0 MHz
Span 0 Hz
Sweep 50.00 ms (1001 pts)
Marker
Select Marker
Normal
Delta
Fixed
Off
Properties
More
1 of 2
MSG
STATUS


Agilent Spectrum Analyzer - Swept SA
Marker 1 Δ 450.000 µs
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
04:59:06 PM May 28, 2019
ΔMkr1 450.0 µs
0.12 dB
10 dB/div
Log
Ref 20.00 dBm
1Δ2
Center 434.600000 MHz
Res BW 1.0 MHz
#VBW 1.0 MHz
Span 0 Hz
Sweep 50.00 ms (1001 pts)
Marker
Select Marker
Normal
Delta
Fixed
Off
Properties
More
1 of 2
MSG
STATUS

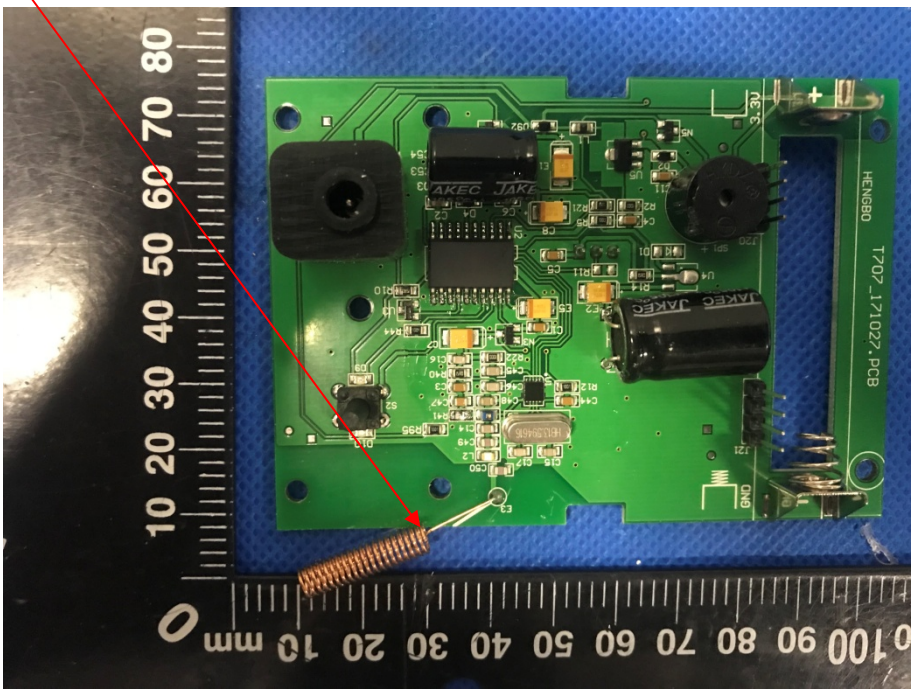

Agilent Spectrum Analyzer - Swept SA
Marker 1 Δ 66.4000 ms
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
05:00:00 PM May 28, 2019
ΔMkr1 66.40 ms
-0.06 dB
10 dB/div
Log
Ref 20.00 dBm
1Δ2
Center 434.600000 MHz
Res BW 1.0 MHz
#VBW 1.0 MHz
Span 0 Hz
Sweep 100.0 ms (1001 pts)
Marker
Select Marker
Normal
Delta
Fixed
Off
Properties
More
1 of 2
MSG
STATUS


Agilent Spectrum Analyzer - Swept SA
Marker 1 Δ 81.0000 ms
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 30 dB
Avg Type: Log-Pwr
05:00:11 PM May 28, 2019
ΔMkr1 81.00 ms
-0.04 dB
10 dB/div
Log
Ref 20.00 dBm
1Δ2
Center 434.600000 MHz
Res BW 1.0 MHz
#VBW 1.0 MHz
Span 0 Hz
Sweep 100.0 ms (1001 pts)
Marker
Select Marker
Normal
Delta
Fixed
Off
Properties
More
1 of 2
MSG
STATUS

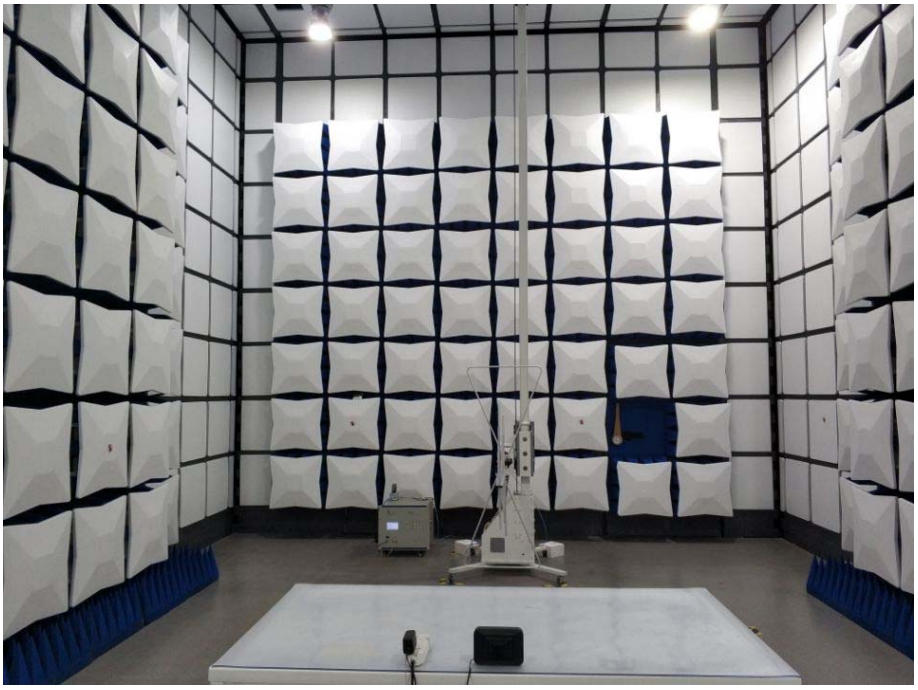
8. Antenna Connected Construction

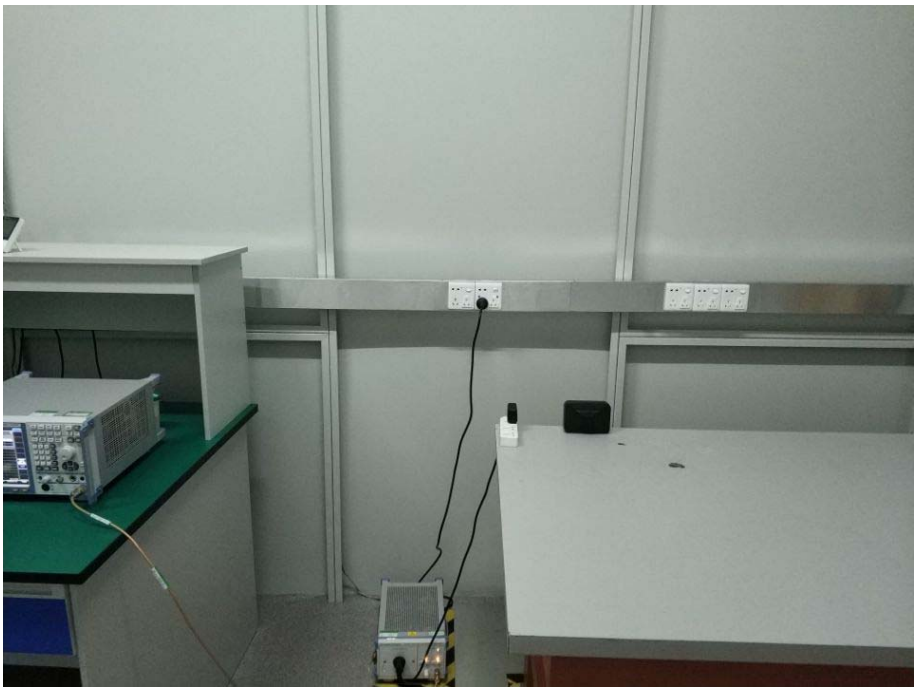
The RF antenna is a Internal Antenna which permanently attached, and the best case gain of the Antenna is 0 dBi. It complies with the standard requirement.

ANTENNA :

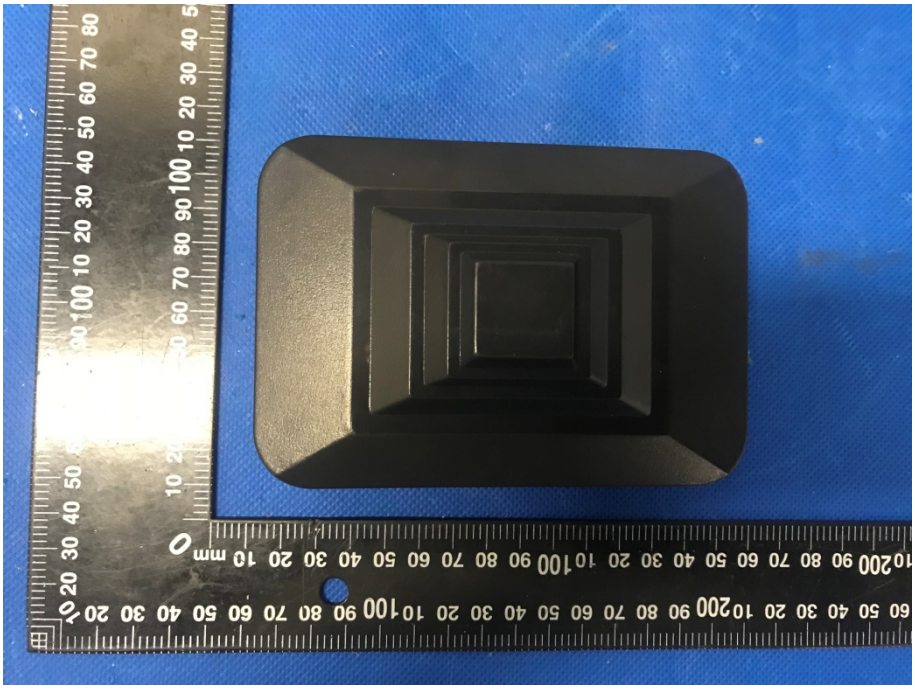


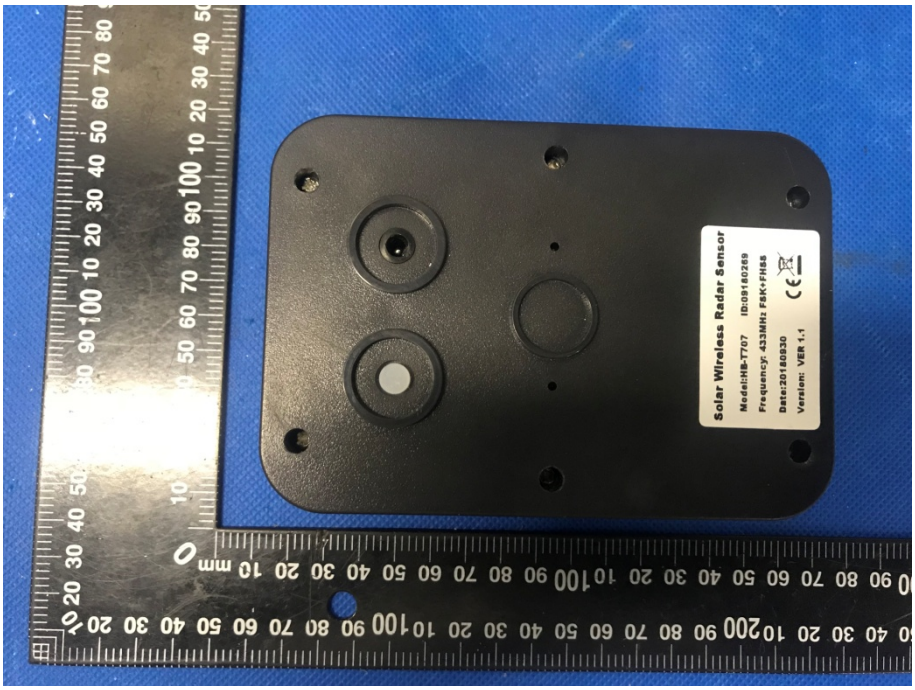
9. PHOTOGRAPH OF TEST

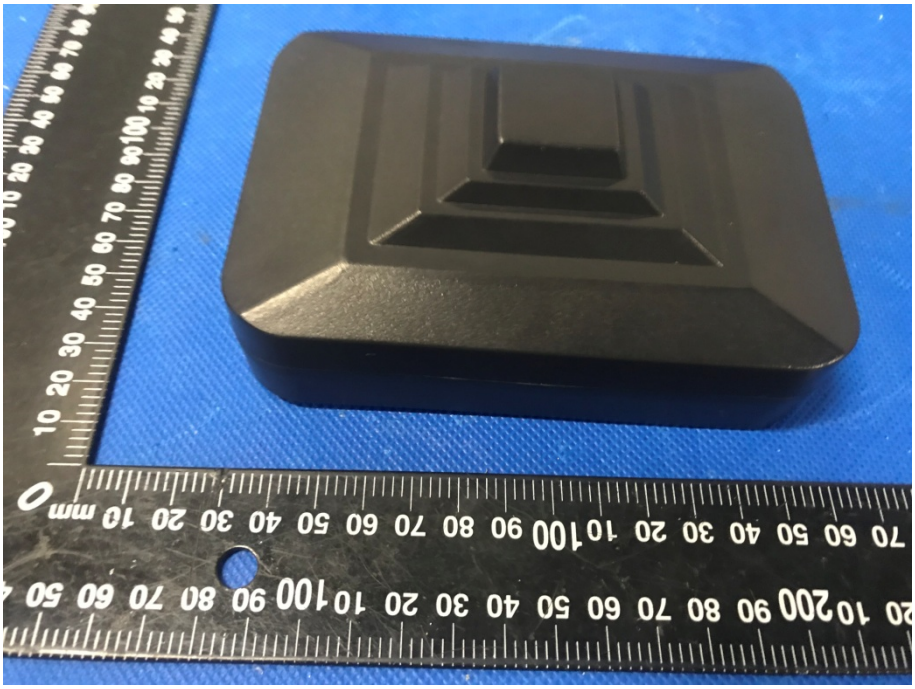


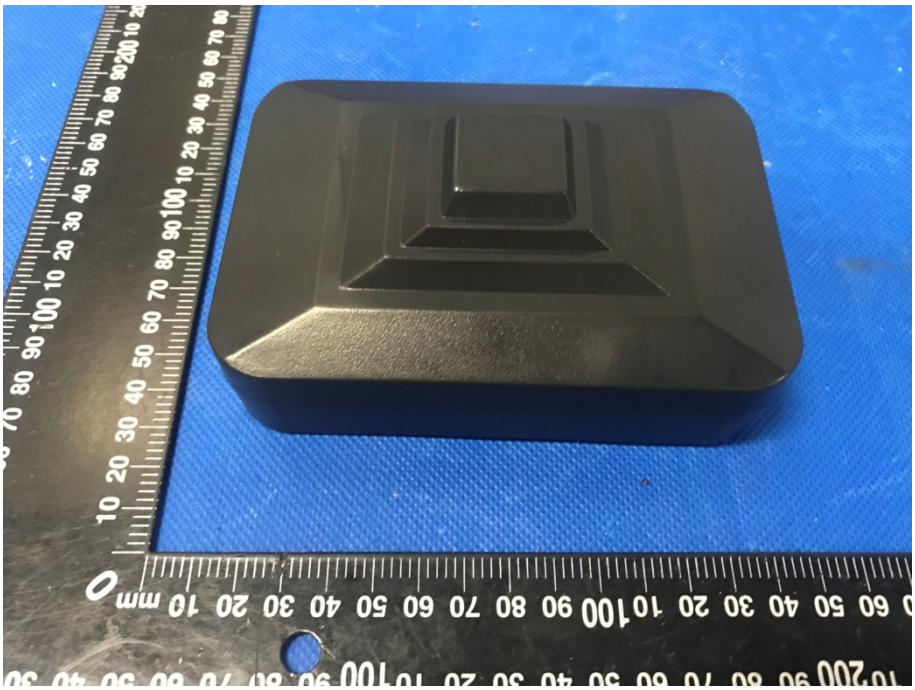


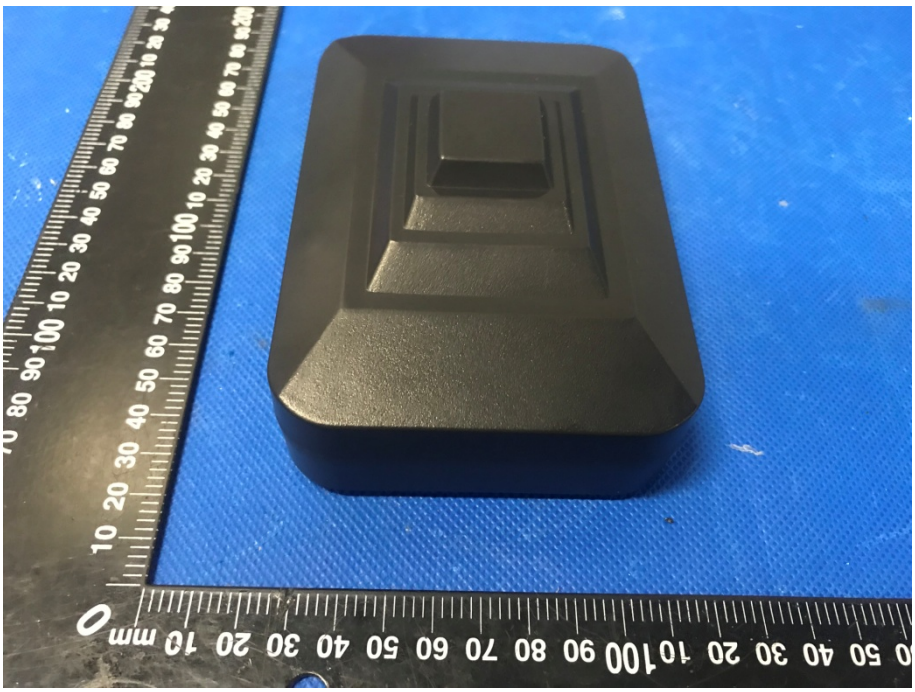
EUT Phone

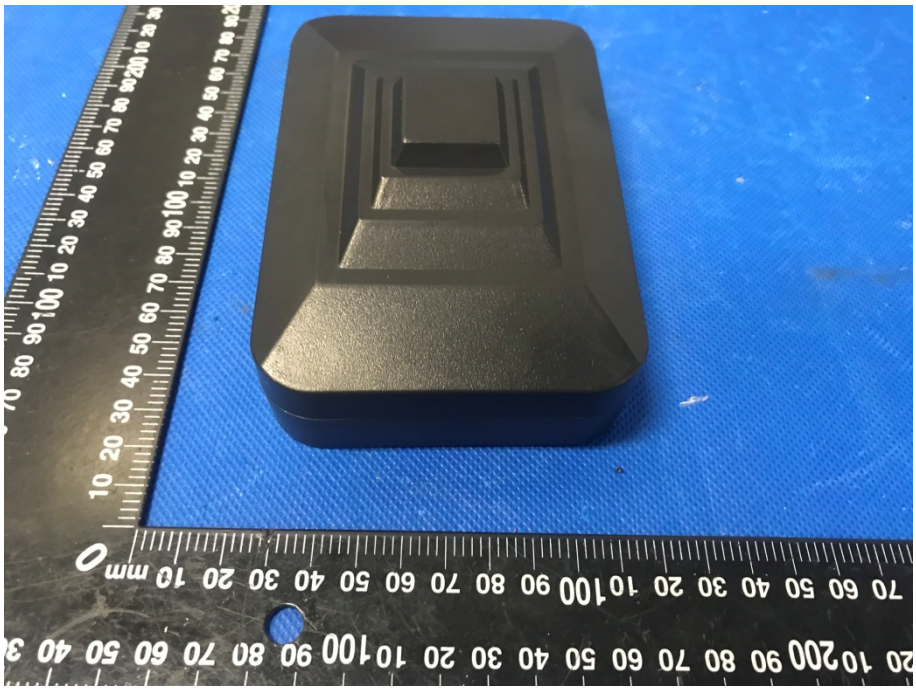


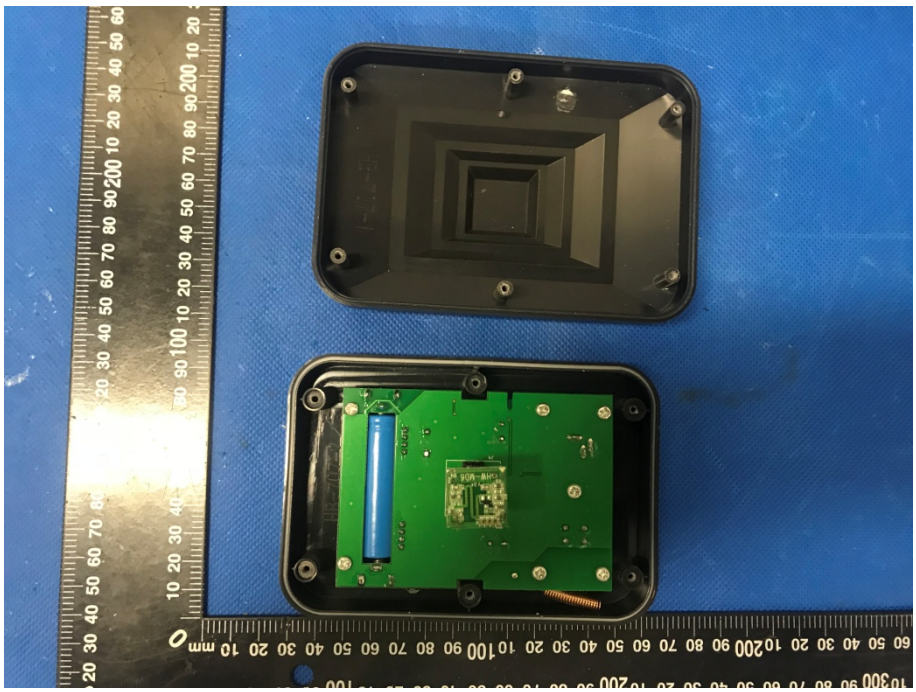

Solar Wireless Radar Sensor
Model:HB-T707 ID:09160269
Frequency: 433MHz FSK+FHSS
Date:20160830
Version: VER 1.1

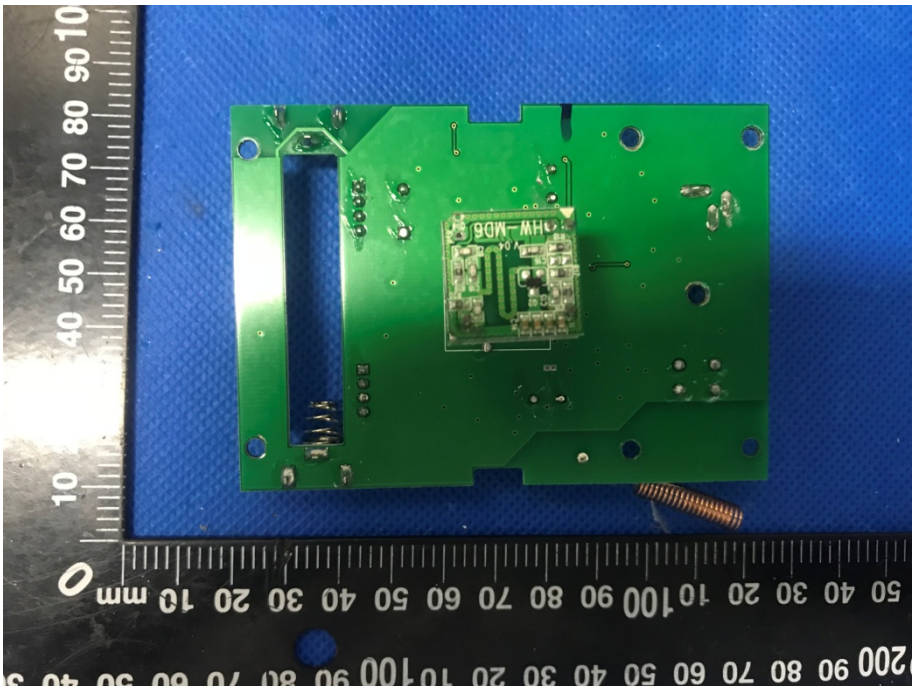


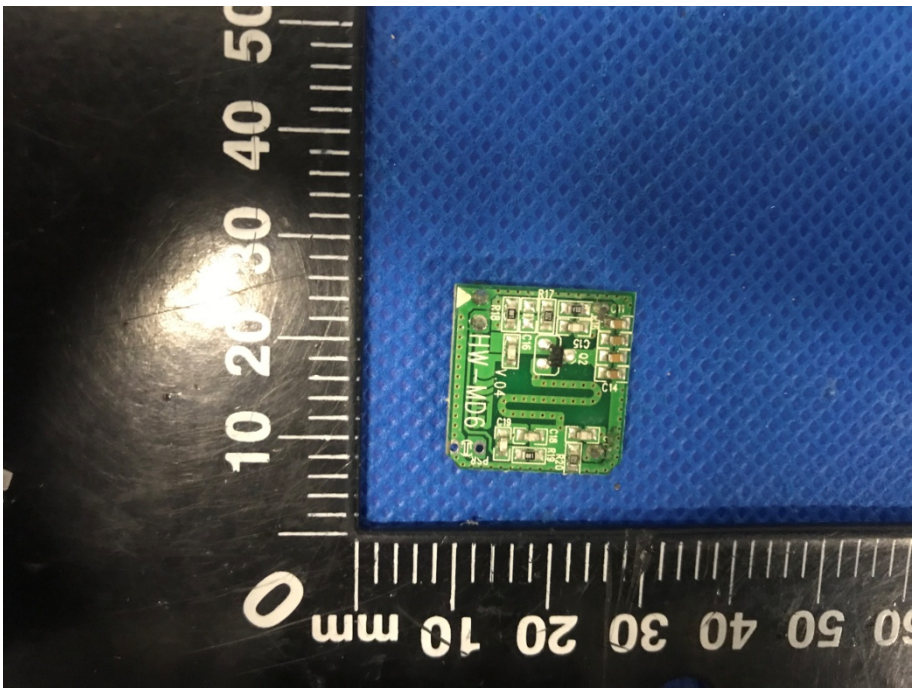


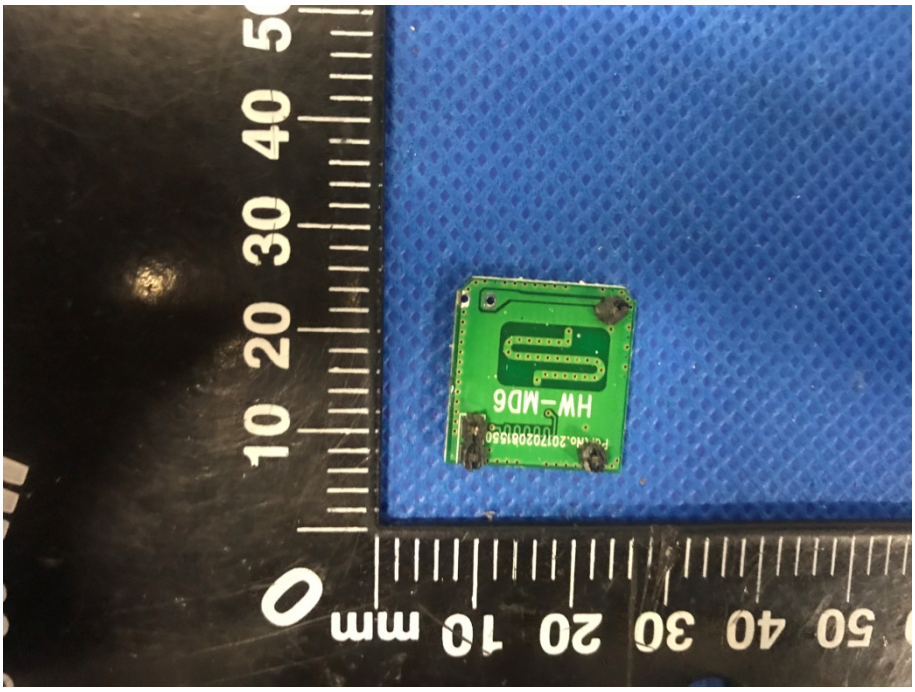


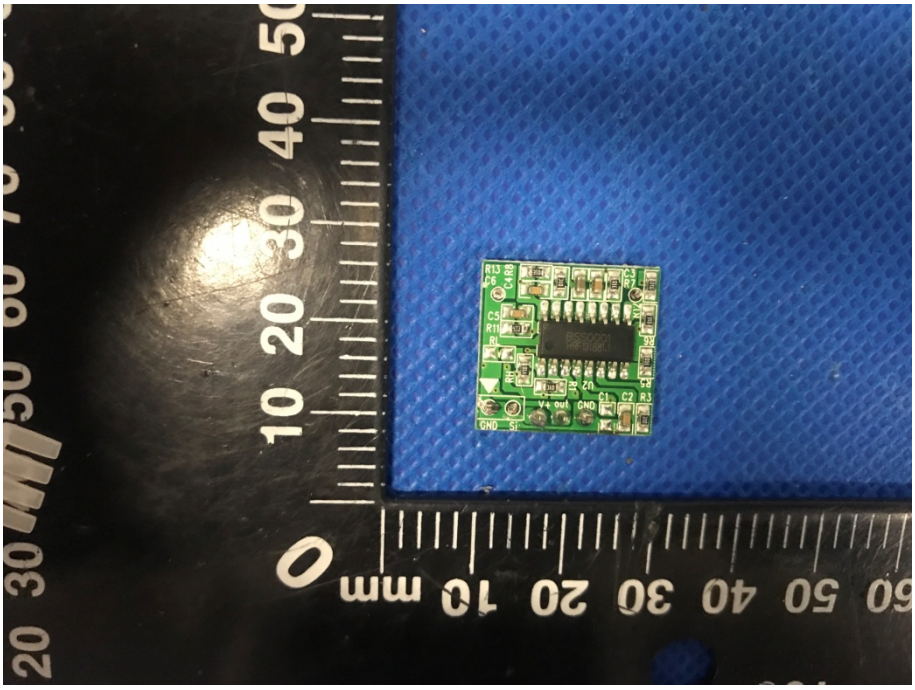


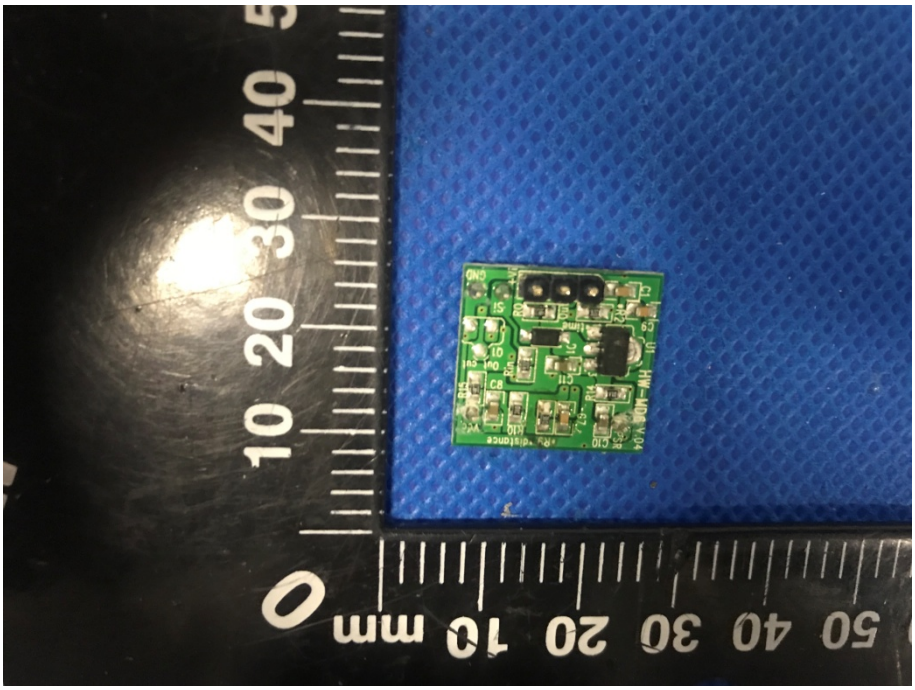


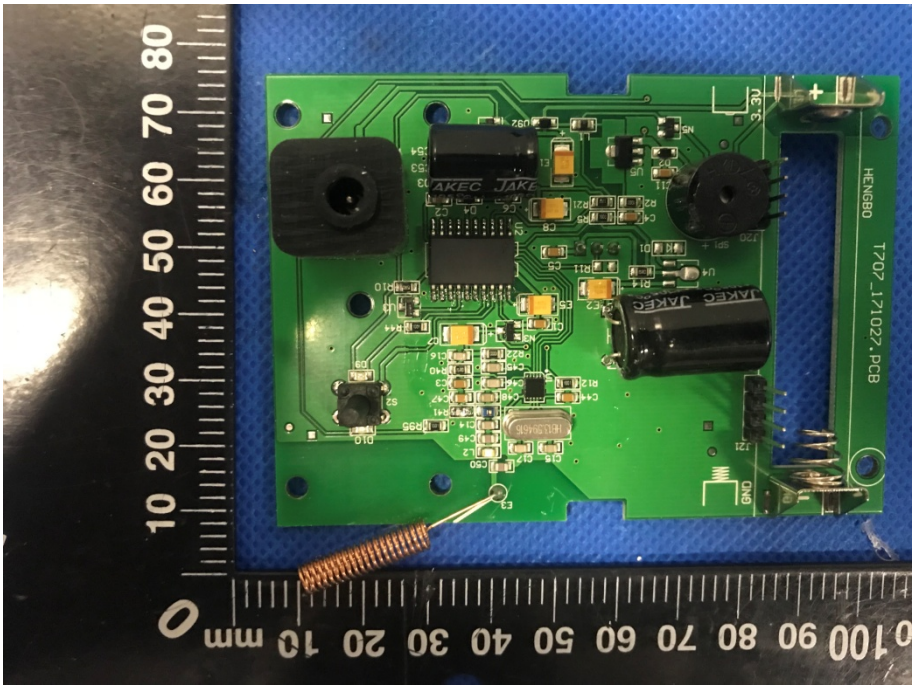


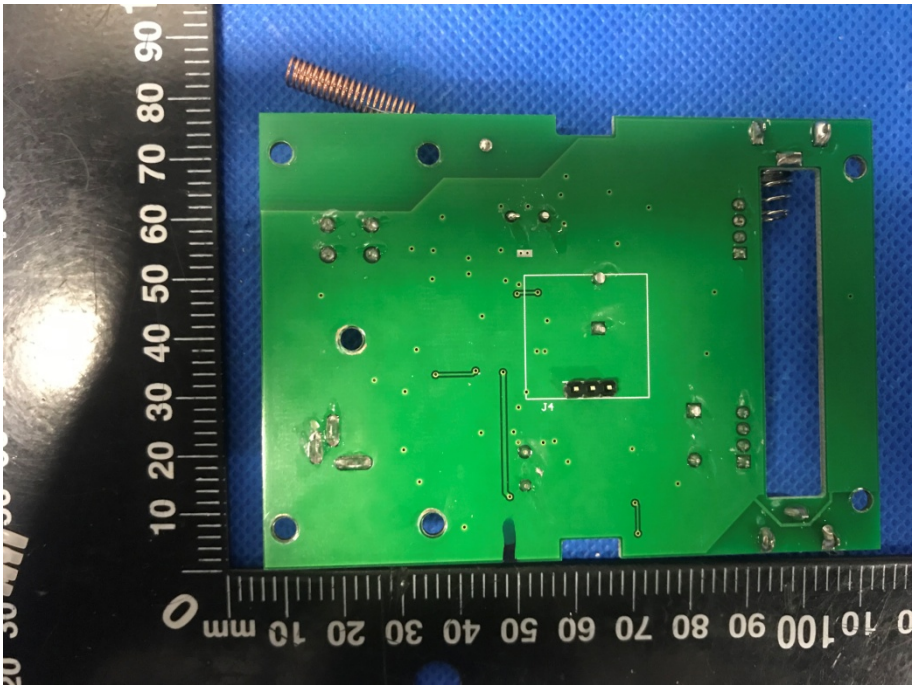


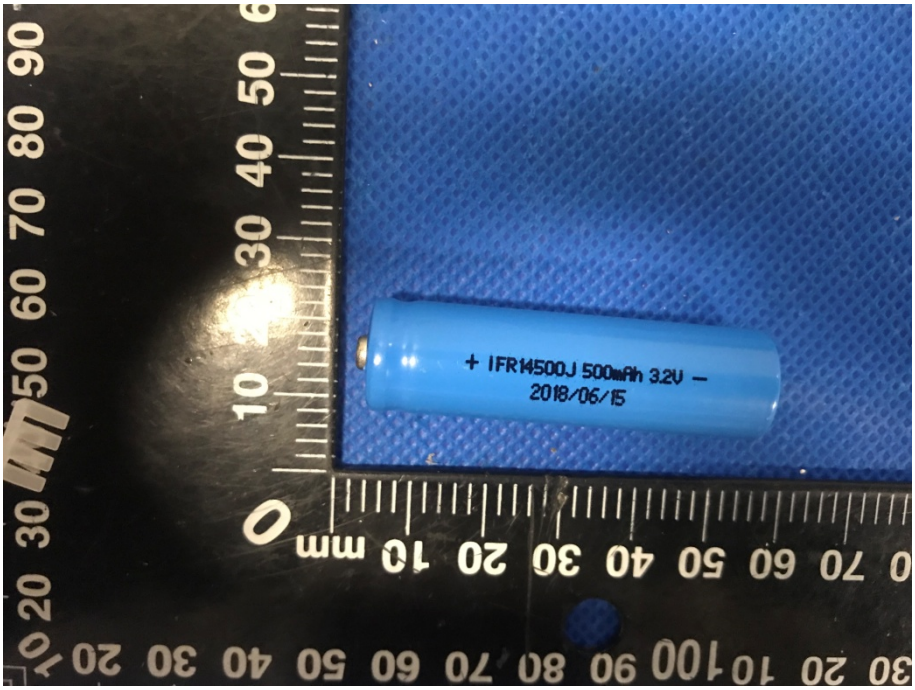

HW-MD6
0 10 20 30 40 50 mm


0 10 20 30 40 50 mm






J4


+ IFR14500J 500mAh 3.2V –
2018/06/15