

FCC TEST REPORT

For

iConnectZone Inc d/b/a SAYA

SAYA Flood Sensor

Model No.: SAYA-WFS915S14

Prepared For : iConnectZone Inc d/b/a SAYA

Address : 525 S Hewitt Street, Los Angeles 90013, USA

Prepared By : Shenzhen Anbotek Compliance Laboratory Limited

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Date of Receipt : Nov. 28, 2018

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TEST REPORT

Applicant : iConnectZone Inc d/b/a SAYA
Manufacturer : Shenzhen Kaipule Technology Co., Ltd.
Product Name : SAYA Flood Sensor
Model No. : SAYA-WFS915S14
Trade Mark : N.A.
Rating(s) : Input: DC 3V, ("CR2450" Battery 550mAh)

Test Standard(s) : FCC Part15 Subpart C 2018, Section 15.247

Test Method(s) : ANSI C63.10: 2013, KDB558074 D01 DTS Meas Guidance v05

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

Nov. 28~Dec. 21, 2018

Prepared by




(Engineer / Dolly Mo)

Reviewer


(Supervisor / Snowy Meng)

Approved & Authorized Signer


(Manager / Sally Zhang)

1. General Information

1.1. Client Information

Applicant	:	iConnectZone Inc d/b/a SAYA
Address	:	525 S Hewitt Street, Los Angeles 90013, USA
Manufacturer	:	Shenzhen Kaipule Technology Co., Ltd.
Address	:	Floor 1st, 3rd, 4th, BLDG A2, Xinshidai Gongrong Industrial Zone, No.2 Shihuan road, Shilong Community,Shiyan street, BaoAn District, Shenzhen City, Guangdong, China (zip code:518108)
Factory	:	Shenzhen Kaipule Technology Co., Ltd.
Address	:	Floor 1st, 3rd, 4th, BLDG A2, Xinshidai Gongrong Industrial Zone, No.2 Shihuan road, Shilong Community,Shiyan street, BaoAn District, Shenzhen City, Guangdong, China (zip code:518108)

1.2. Description of Device (EUT)

Product Name	:	SAYA Flood Sensor
Model No.	:	SAYA-WFS915S14
Trade Mark	:	N.A.
Test Power Supply	:	DC 3V By battery
Test Sample No.	:	S1(Normal Sample), S2(Engineering Sample)
Product Description	Operation Frequency:	905~925MHz
	Number of Channel:	21 Channels
	Modulation Type:	GFSK
	Antenna Type:	PCB 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.		

1.3. Auxiliary Equipment Used During Test

N/A	
-----	--

1.4. Description of Test Modes

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	CH01
Mode 2	CH11
Mode 3	CH21
Mode 4	Keeping TX Mode

For Radiated Emission	
Final Test Mode	Description
Mode 1	CH01
Mode 2	CH11
Mode 3	CH21
Mode 4	Keeping TX Mode

Note:

(1) The measurements are performed at the highest, middle, lowest available channels.

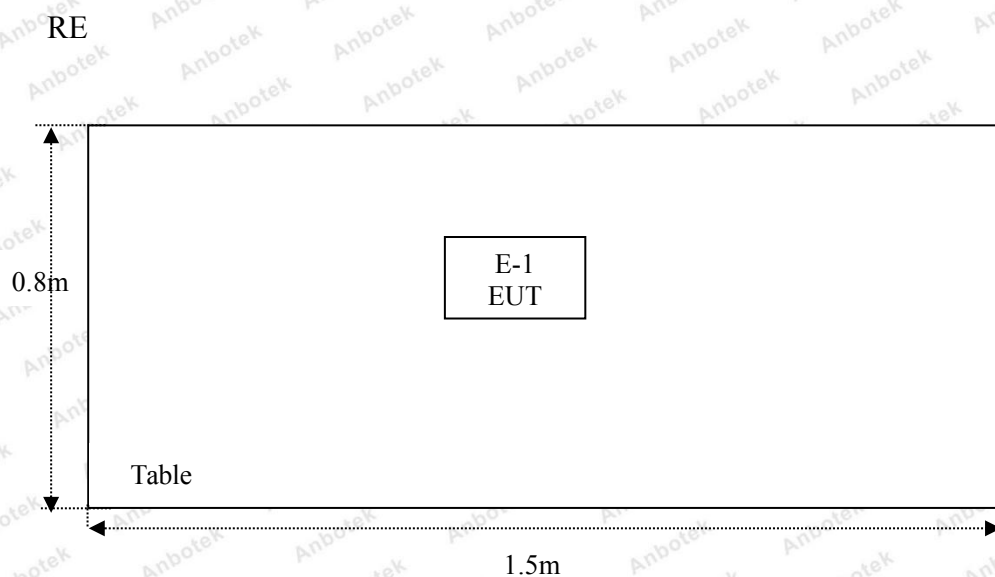
1.5. List of channels

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
1	905	8	912	15	919
2	906	9	913	16	920
3	907	10	914	17	921
4	908	11	915	18	922
5	909	12	916	19	923
6	910	13	917	20	924
7	911	14	918	21	925

Note:

1. The engineering test program was provided and the EUT was programmed to be in continuously transmitting mode.
2. EUT built-in battery-powered, fully-charged battery use of the test battery.

1.6. Description Of Test Setup



1.7. Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	Nov. 05, 2018	1 Year
2.	EMI Test Receiver	Rohde & Schwarz	ESPI3	101604	Nov. 05, 2018	1 Year
3.	RF Switching Unit	Compliance Direction	RSU-M2	38303	Nov. 05, 2018	1 Year
4.	Spectrum Analysis	Agilent	E4407B	US39390582	Nov. 05, 2018	1 Year
5.	MAX Spectrum Analysis	Agilent	N9020A	MY51170037	Nov. 05, 2018	1 Year
6.	Preamplifier	SKET Electronic	BK1G18G30D	KD17503	Nov. 05, 2018	1 Year
7.	Double Ridged Horn Antenna	Instruments corporation	GTH-0118	351600	Nov. 19, 2018	1 Year
8.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	VULB 9163-289	Nov. 19, 2018	1 Year
9.	Loop Antenna	Schwarzbeck	FMZB1519B	00053	Nov. 19, 2018	1 Year
10.	Horn Antenna	A-INFO	LB-180400-K F	J211060628	Nov. 20, 2018	1 Year
11.	Pre-amplifier	SONOMA	310N	186860	Nov. 05, 2018	1 Year
12.	EMI Test Software EZ-EMC	SHURPLE	N/A	N/A	N/A	N/A
13.	RF Test Control System	YIHENG	YH3000	2017430	Nov. 05, 2018	1 Year
14.	Power Sensor	DAER	RPR3006W	15I00041SN045	Nov. 05, 2018	1 Year
15.	Power Sensor	DAER	RPR3006W	15I00041SN046	Nov. 05, 2018	1 Year
16.	MXA Spectrum Analysis	Agilent	N9020A	MY51170037	Nov. 05, 2018	1 Year
17.	MXG RF Vector Signal Generator	Agilent	N5182A	MY48180656	Nov. 05, 2018	1 Year
18.	Signal Generator	Agilent	E4421B	MY41000743	Nov. 05, 2018	1 Year
19.	DC Power Supply	IVYTECH	IV3605	1804D360510	Apr. 02, 2018	1 Year
20.	Constant Temperature Humidity Chamber	ZHONGJIAN	ZJ-KHWS80B	N/A	Nov. 01, 2018	1 Year

1.8. Measurement Uncertainty

Radiation Uncertainty	:	Ur = 3.9 dB (Horizontal)
		Ur = 3.8 dB (Vertical)
Conduction Uncertainty	:	Uc = 3.4dB

1.9. Description of Test Facility

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

FCC-Registration No.: 184111

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 No. 184111, July 31, 2017.

ISED-Registration No.: 8058A-1

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

Test Location

Shenzhen Anbotek Compliance Laboratory Limited.

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102

2. Summary of Test Results

Standard Section	Test Item	Result
15.203/15.247(c)	Antenna Requirement	PASS
15.207	Conducted Emission	N/A
15.205/15.209	Spurious Emission	PASS
15.247(b)(3)	Conducted Peak Output Power	PASS
15.247(a)(2)	6dB Occupied Bandwidth	PASS
15.247(e)	Power Spectral Density	PASS
15.247(d)	Band Edge	PASS
Remark: "N/A" is an abbreviation for Not Applicable.		

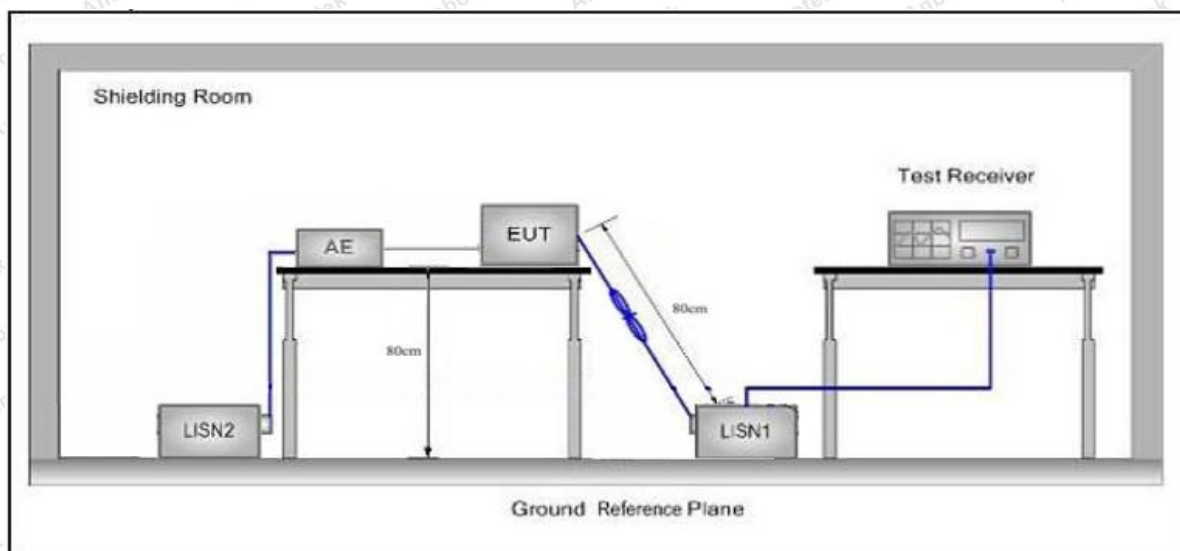
3. Conducted Emission Test

3.1. Test Standard and Limit

Test Standard	FCC Part15 Section 15.207		
Test Limit	Frequency	Maximum RF Line Voltage (dBuV)	
		Quasi-peak Level	Average Level
	150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
	500kHz~5MHz	56	46
	5MHz~30MHz	60	50

Remark: (1) *Decreasing linearly with logarithm of the frequency.
(2) The lower limit shall apply at the transition frequency.

3.2. Test Setup



3.3. 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.

3.4. Test Data

The EUT is powered by DC 3V battery inside, so there is no need to conduct this test.

4. Radiation Spurious Emission and Band Edge

4.1. Test Standard and Limit

Test Standard	FCC Part15 C Section 15.209 and 15.205				
Test Limit	Frequency (MHz)	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz~0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz-30MHz	30	-	-	30
	30MHz~88MHz	100	40.0	Quasi-peak	3
	88MHz~216MHz	150	43.5	Quasi-peak	3
	216MHz~960MHz	200	46.0	Quasi-peak	3
	960MHz~1000MHz	500	54.0	Quasi-peak	3
	Above 1000MHz	500	54.0	Average	3
		-	74.0	Peak	3

Remark:

(1)The lower limit shall apply at the transition frequency.

(2) 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

4.2. Test Setup

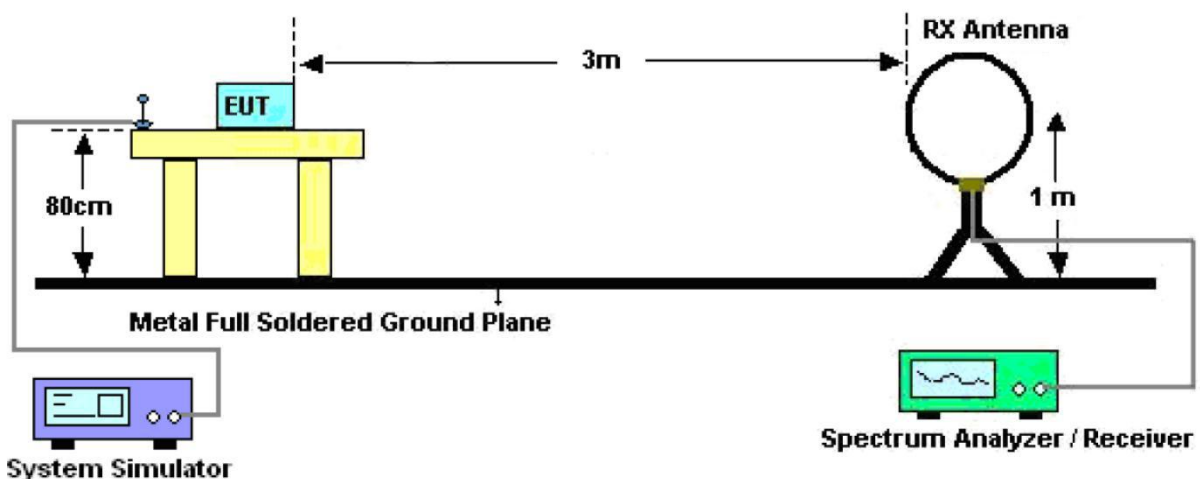


Figure 1. Below 30MHz

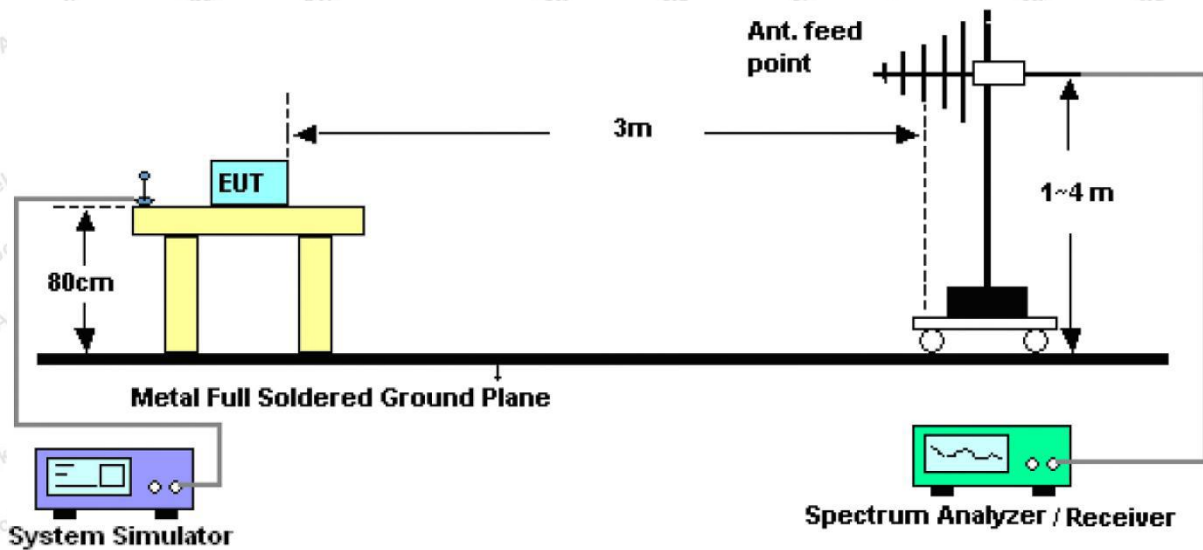


Figure 2. 30MHz to 1GHz

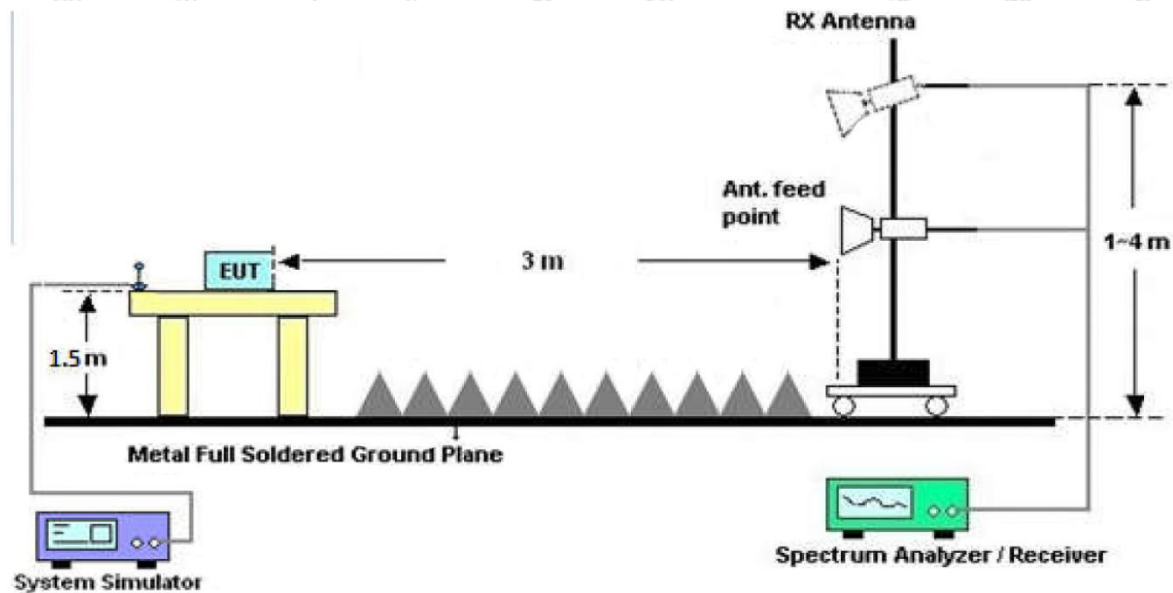


Figure 3. Above 1 GHz

4.3. 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. Rotated the EUT through three orthogonal axes to determine the maximum emissions, both horizontal and vertical polarization of the antenna are set on test. The EUT is tested in 9*6*6 Chamber. The device is evaluated in xyz orientation.

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.

For 9kHz to 150kHz, Set the spectrum analyzer as:

RBW = 200Hz, VBW = 1kHz, Detector = Quasi-Peak, Trace mode = Max hold, Sweep = auto couple.

For 150kHz to 30MHz, Set the spectrum analyzer as:

RBW = 9KHz, VBW = 30kHz, Detector = Quasi-Peak, Trace mode = Max hold, Sweep = auto couple.

For 30MHz to 1000MHz, Set the spectrum analyzer as:

RBW = 100kHz, VBW = 300kHz, Detector = Quasi-Peak, Trace mode = Max hold, Sweep = auto couple.

For above 1GHz, Set the spectrum analyzer as:

RBW = 1MHz, VBW = 1MHz, Detector = Peak, Trace mode = Max hold, Sweep = auto couple.

RBW = 1MHz, VBW = 10Hz, Detector = Average, Trace mode = Max hold, Sweep = auto couple.

4.4. Test Data

PASS

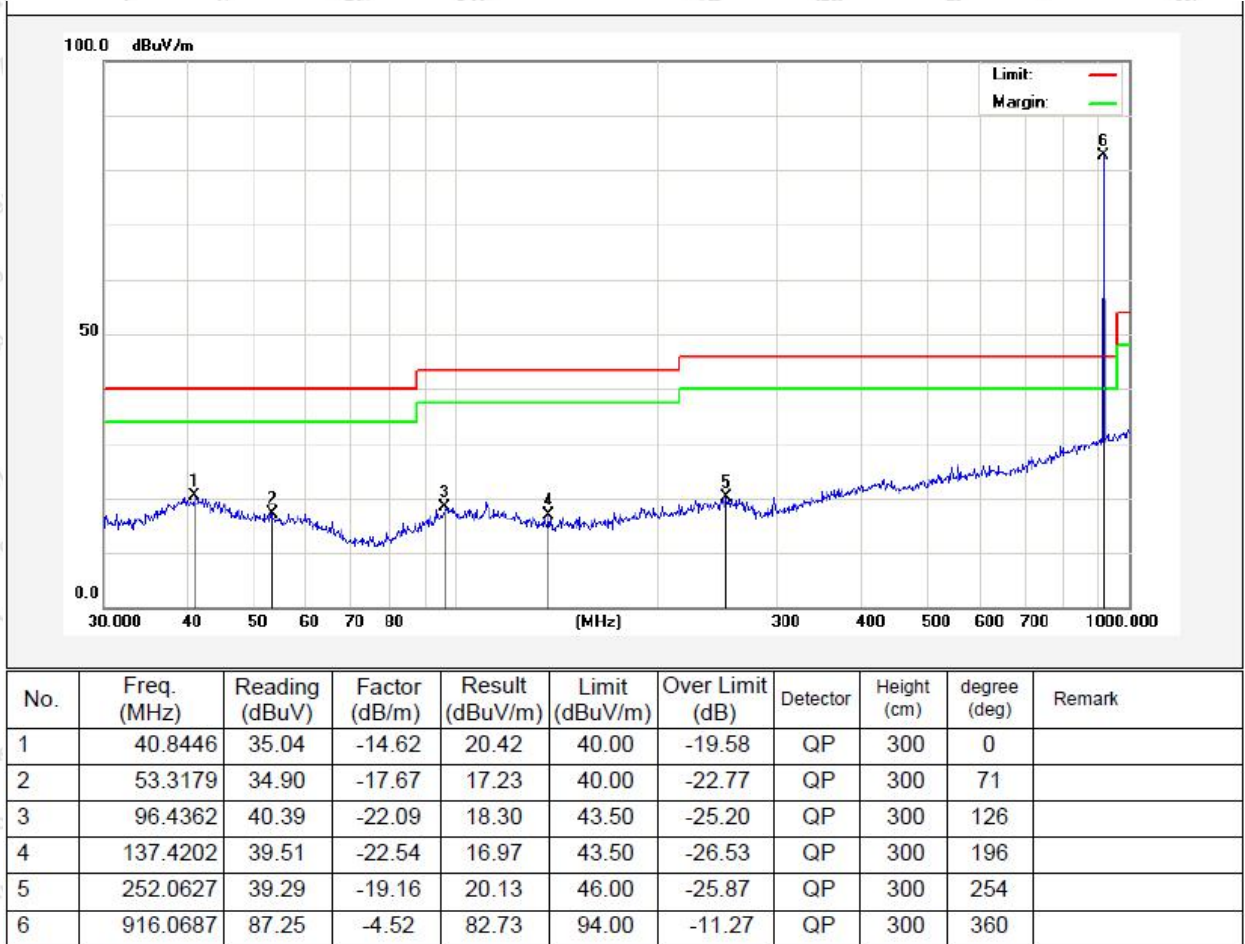
During the test, Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the X-axis is the worst case.

The test results of 9kHz-30MHz was attenuated more than 20dB below the permissible limits, so the results don't record in the report.

All the modes have been tested, but only the worst mode(mode 2) was recorded in the report.

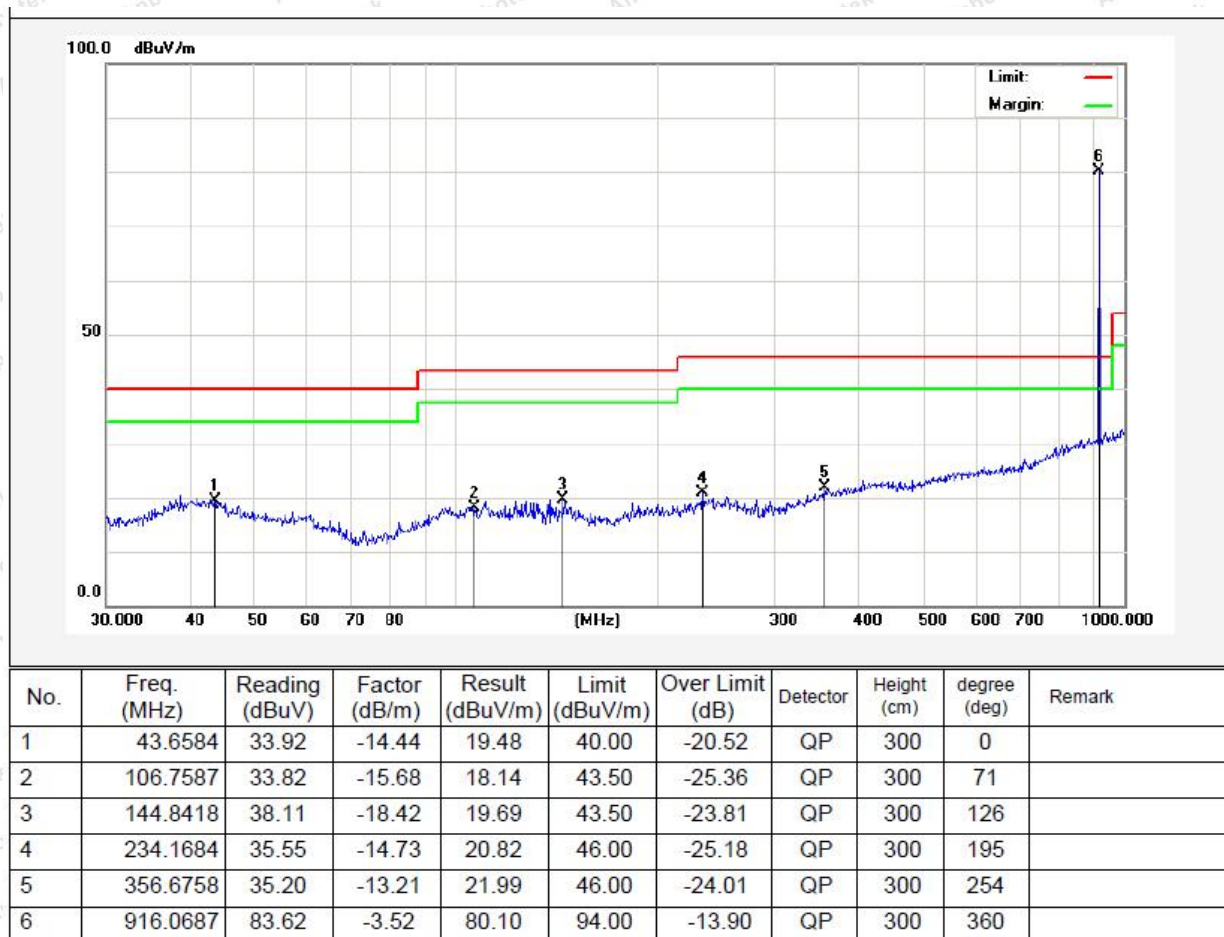
Test Results (30~1000MHz)

Job No.: SZAWW181128006-01 Temp.(°C)/Hum.(%RH): 24.3°C/55%RH
Standard: FCC PART 15C Power Source: DC 3V By battery
Test Mode: Mode 2 Polarization: Horizontal



Test Results (30~1000MHz)

Job No.: SZAWW181128006-01 Temp.(°C)/Hum.(%RH): 24.3°C/55%RH
Standard: FCC PART 15C Power Source: DC 3V By battery
Test Mode: Mode 2 Polarization: Vertical



Test Results (1GHz-25GHz)

Test Mode: CH01					Test channel: Lowest				
Frequency (MHz)	Antenna Pol.	Reading (dBuV/m)	Cable Loss (dB)	Ant Factor (dB)	Amplifier (dB)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Det. Mode
1810.0000	H	50.31	7.39	28.73	26.31	60.12	74	-13.88	PK
1810.0000	H	38.96	7.39	28.73	26.31	48.77	54	-5.23	AV
2715.0000	H	48.83	8.10	29.71	27.01	59.63	74	-14.37	PK
2715.0000	H	35.73	8.10	29.71	27.01	46.53	54	-7.47	AV
3620.0000	H	--	--	--	--	--	--	--	PK
3620.0000	H	--	--	--	--	--	--	--	AV
1810.0000	V	48.38	7.39	28.73	26.31	58.19	74	-15.81	PK
1810.0000	V	35.48	7.39	28.73	26.31	45.29	54	-8.71	AV
2715.0000	V	48.56	8.10	29.71	27.01	59.36	74	-14.64	PK
2715.0000	V	35.82	8.10	29.71	27.01	46.62	54	-7.38	AV
3620.0000	V	--	--	--	--	--	--	--	PK
3620.0000	V	--	--	--	--	--	--	--	AV

Test Mode: CH11					Test channel: Middle				
Frequency (MHz)	Antenna Pol.	Reading (dBuV/m)	Cable Loss (dB)	Ant Factor (dB)	Amplifier (dB)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Det. Mode
1830.0000	H	47.81	7.41	28.72	26.31	57.63	74	-16.37	PK
1830.0000	H	38.27	7.41	28.72	26.31	48.09	54	-5.91	AV
2745.0000	H	45.15	8.11	29.71	27.01	55.96	74	-18.04	PK
2745.0000	H	34.3	8.11	29.71	27.01	45.11	54	-8.89	AV
3660.0000	H	--	--	--	--	--	--	--	PK
3660.0000	H	--	--	--	--	--	--	--	AV
1830.0000	V	48.57	7.41	28.72	26.31	58.39	74	-15.61	PK
1830.0000	V	39.53	7.41	28.72	26.31	49.35	54	-4.65	AV
2745.0000	V	48.41	8.11	29.71	27.01	59.22	74	-14.78	PK
2745.0000	V	38.12	8.11	29.71	27.01	48.93	54	-5.07	AV
3660.0000	V	--	--	--	--	--	--	--	PK
3660.0000	V	--	--	--	--	--	--	--	AV

Test Mode: CH21					Test channel: Highest				
Frequency (MHz)	Antenna Pol.	Reading (dBuV/m)	Cable Loss (dB)	Ant Factor (dB)	Amplifier (dB)	Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Det. Mode
1850.0000	H	49.55	7.43	28.69	26.31	59.36	74	-14.64	PK
1850.0000	H	37.3	7.43	28.69	26.31	47.11	54	-6.89	AV
2775.0000	H	45.4	8.15	29.84	27.01	56.38	74	-17.62	PK
2775.0000	H	36.28	8.15	29.84	27.01	47.26	54	-6.74	AV
3700.0000	H	--	--	--	--	--	--	--	PK
3700.0000	H	--	--	--	--	--	--	--	AV
1850.0000	V	47.3	7.43	28.69	26.31	57.11	74	-16.89	PK
1850.0000	V	38.48	7.43	28.69	26.31	48.29	54	-5.71	AV
2775.0000	V	48.23	8.15	29.84	27.01	59.21	74	-14.79	PK
2775.0000	V	36.94	8.15	29.84	27.01	47.92	54	-6.08	AV
3700.0000	V	--	--	--	--	--	--	--	PK
3700.0000	V	--	--	--	--	--	--	--	AV

Remark:

1. Level = Reading + Cable Loss+Ant Factor-Amplifier
2. "--" Mark indicated Background Noise Level

Radiated Band Edge:

Test Mode: CH01					Test channel: Lowest				
Frequency (MHz)	Read Level (dBuV/m)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Det.
902.0000	42.05	22.45	4.48	31.33	37.65	46.00	-8.35	H	QP
928.0000	42.38	22.59	4.54	31.35	38.16	46.00	-7.84	H	QP
902.0000	41.35	22.45	4.48	31.33	36.95	46.00	-9.05	V	QP
928.0000	41.66	22.59	4.54	31.35	37.44	46.00	-8.56	V	QP

Remark:

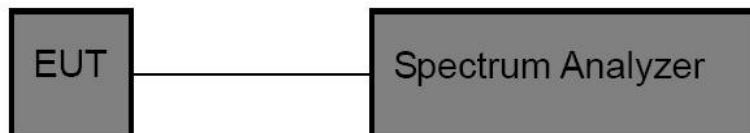
Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor

5. Maximum Peak Output Power Test

5.1. Test Standard and Limit

Test Standard	FCC Part15 C Section 15.247 (b)(3)
Test Limit	30dBm

5.2. Test Setup



5.3. Test Procedure

This procedure shall be used when the measurement instrument has available a resolution bandwidth that is greater than the DTS bandwidth.

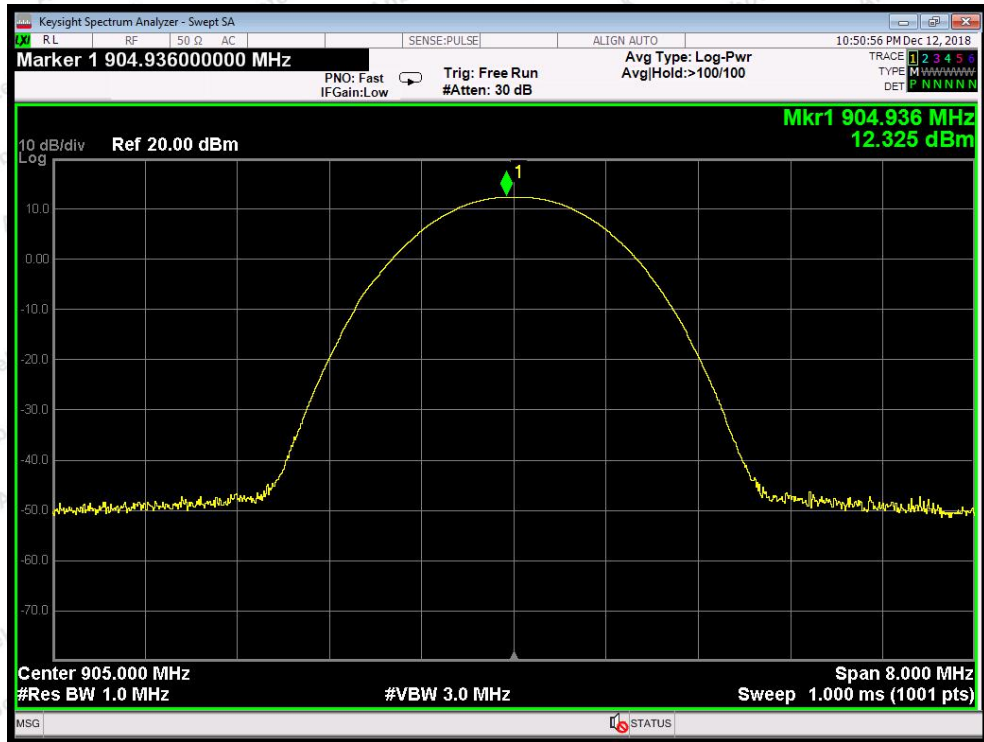
1. Set the RBW $\geq$ DTS bandwidth.
2. Set the VBW $\geq 3 \times$ RBW.
3. Set the span $\geq 3 \times$ RBW.
4. Detector = peak.
5. Sweep time = auto couple.
6. Trace mode = max hold.
7. Allow trace to fully stabilize.
8. Use peak marker function to determine the peak amplitude level.

5.4. Test Data

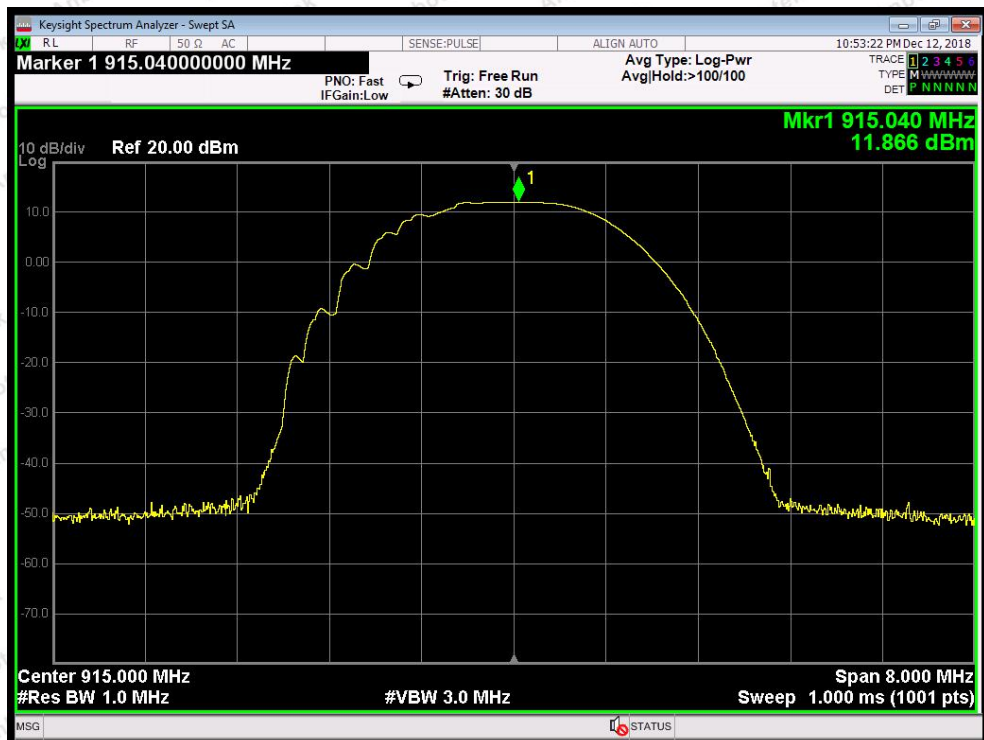
Test Item : Max. peak output power
Test Voltage : DC 3V By battery
Test Result : PASS

Test Mode : CH Low ~ CH High
Temperature : 23.9°C
Humidity : 54%RH

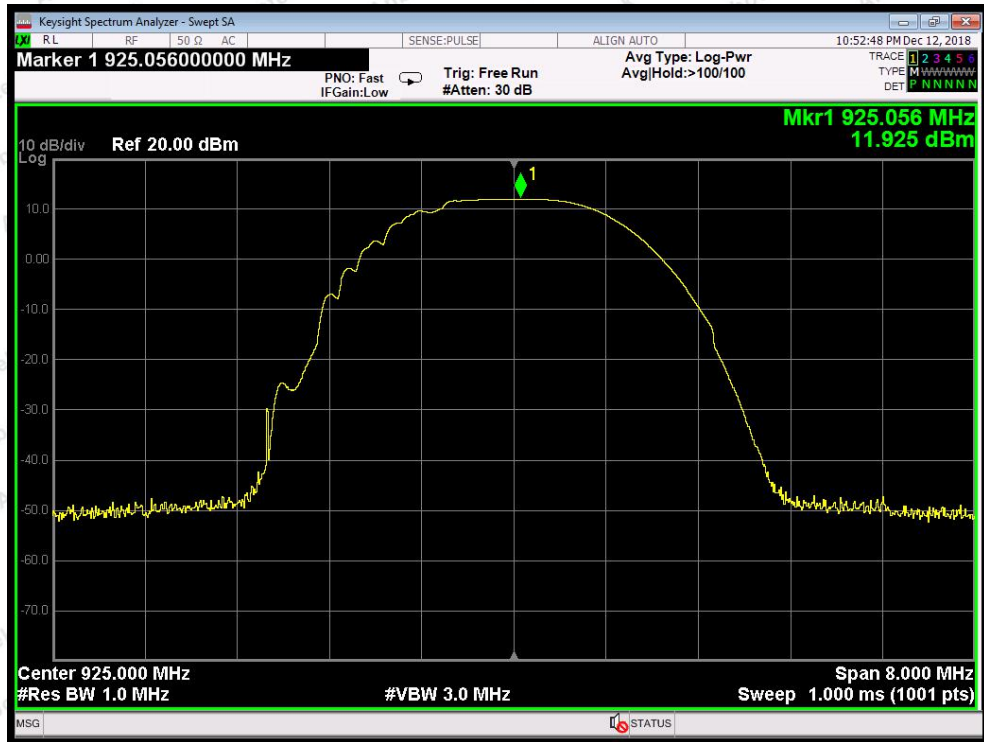
Channel Frequency (MHz)	Peak Power output (dBm)	Limit (dBm)	Results
905	12.325	30	PASS
915	11.866	30	PASS
925	11.925	30	PASS



CH: Low



CH: Middle



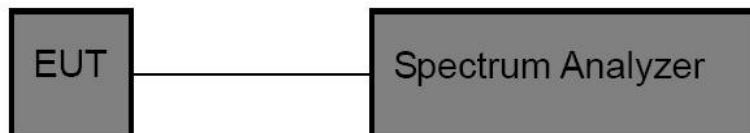
CH: High

6. 6DB Occupy Bandwidth Test

6.1. Test Standard and Limit

Test Standard	FCC Part15 C Section 15.247 (a)(2)
Test Limit	>500kHz

6.2. Test Setup



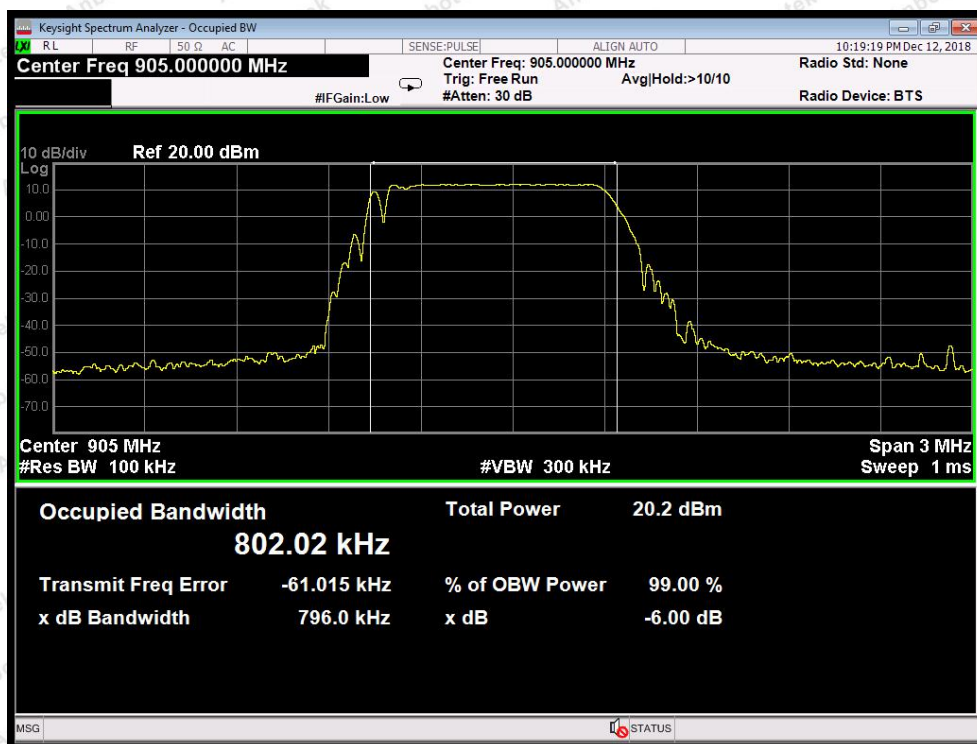
6.3. Test Procedure

1. Place the EUT on the table and set it in the 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 the spectrum analyzer as:
RBW = 100kHz, VBW $\geq$ 3*RBW =300kHz,
Detector= Peak
Trace mode= Max hold.
Sweep- auto couple.
4. Mark the peak frequency and -6dB (upper and lower) frequency.
5. Repeat until all the rest channels are investigated.

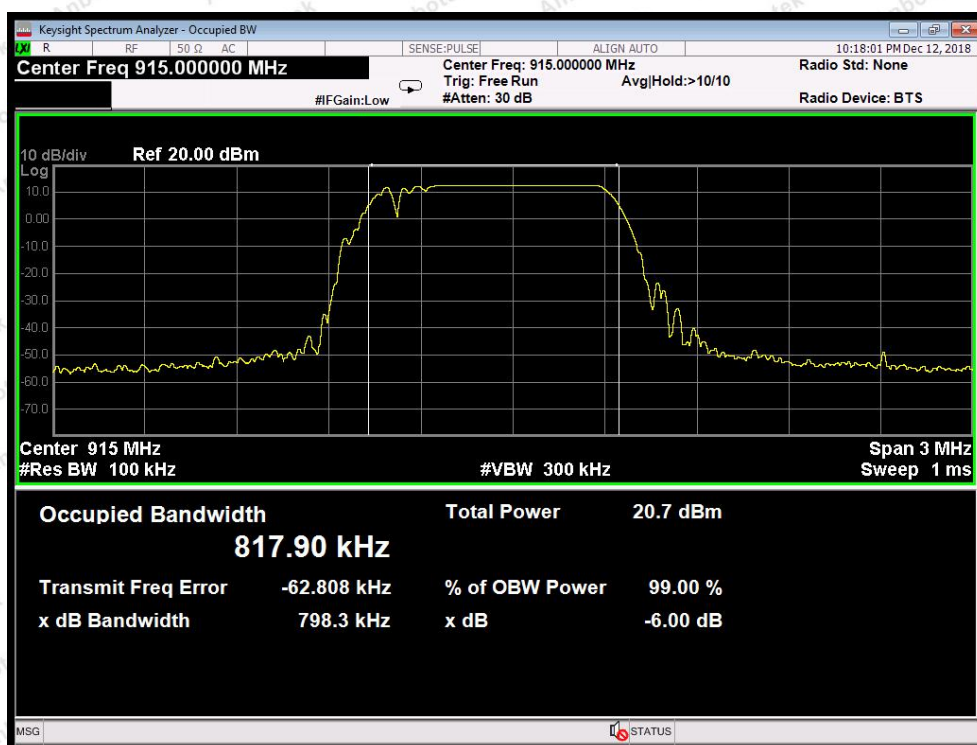
6.4. Test Data

Test Item	: 6dB Bandwidth	Test Mode	: CH Low ~ CH High
Test Voltage	: DC 3V By battery	Temperature	: 23.9℃
Test Result	: PASS	Humidity	: 54%RH

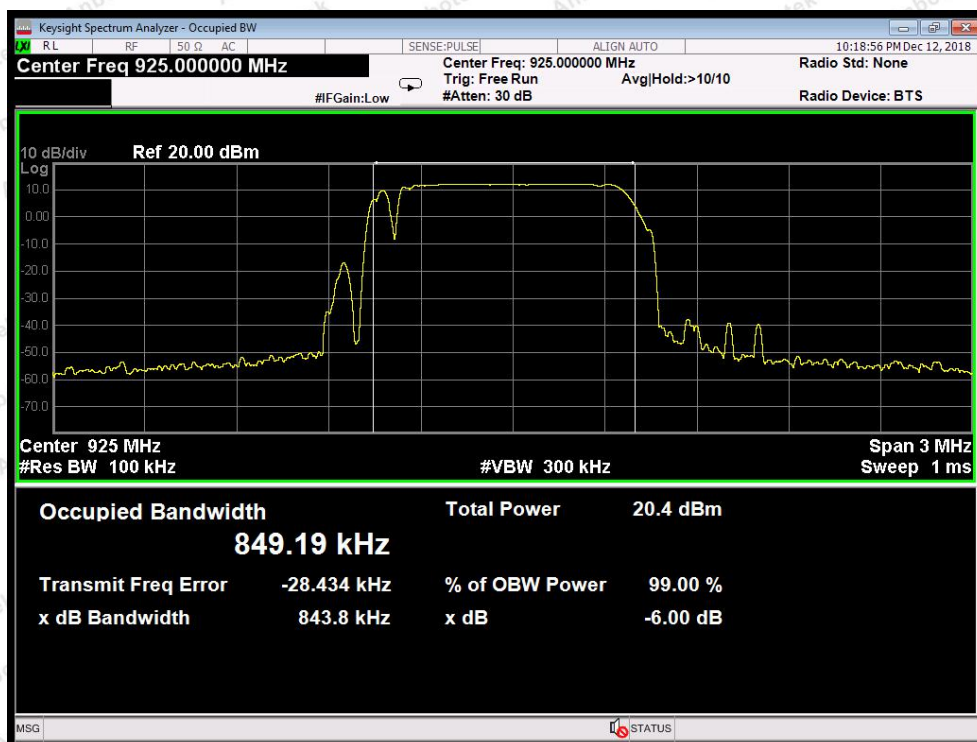
Channel	Frequency(MHz)	Bandwidth (kHz)	Limit (kHz)	Results
Low	905	796.0	>500	PASS
Middle	915	798.3		PASS
High	925	843.8		PASS



CH: Low



CH: Middle



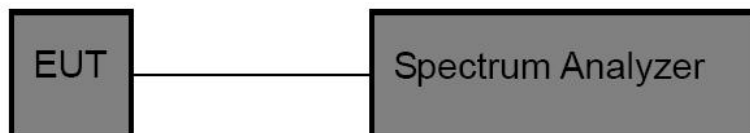
CH: High

7. Power Spectral Density Test

7.1. Test Standard and Limit

Test Standard	FCC Part15 C Section 15.247 (e)
Test Limit	8dBm

7.2. Test Setup



7.3. Test Procedure

1. Place the EUT on the table and set it in transmitting mode. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
2. Set the spectrum analyzer as RBW = 3kHz, VBW = 10kHz, Span = 1.5xDTS BW
3. Record the max. reading.
4. Repeat the above procedure until the measurements for all frequencies are completed.

7.4. Test Data

Test Item	: Power Spectral Density	Test Mode	: CH Low ~ CH High
Test Voltage	: DC 3V By battery	Temperature	: 23.9℃
Test Result	: PASS	Humidity	: 54%RH

Channel	Frequency (MHz)	PSD (dBm/KHz)	Limit (dBm/KHz)	Results
Low	905	6.392	8.00	PASS
Middle	915	7.684	8.00	PASS
High	925	6.634	8.00	PASS



CH: Low



CH: Middle



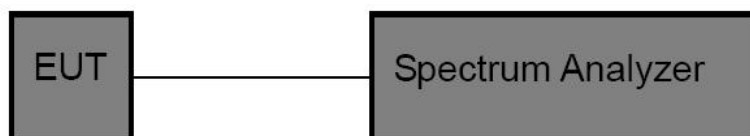
CH: High

8. 100kHz Bandwidth of Frequency Band Edge Requirement

8.1. Test Standard and Limit

Test Standard	FCC Part15 C Section 15.247 (d)
Test Limit	in any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in 15.209(a).

8.2. Test Setup



8.3. Test Procedure

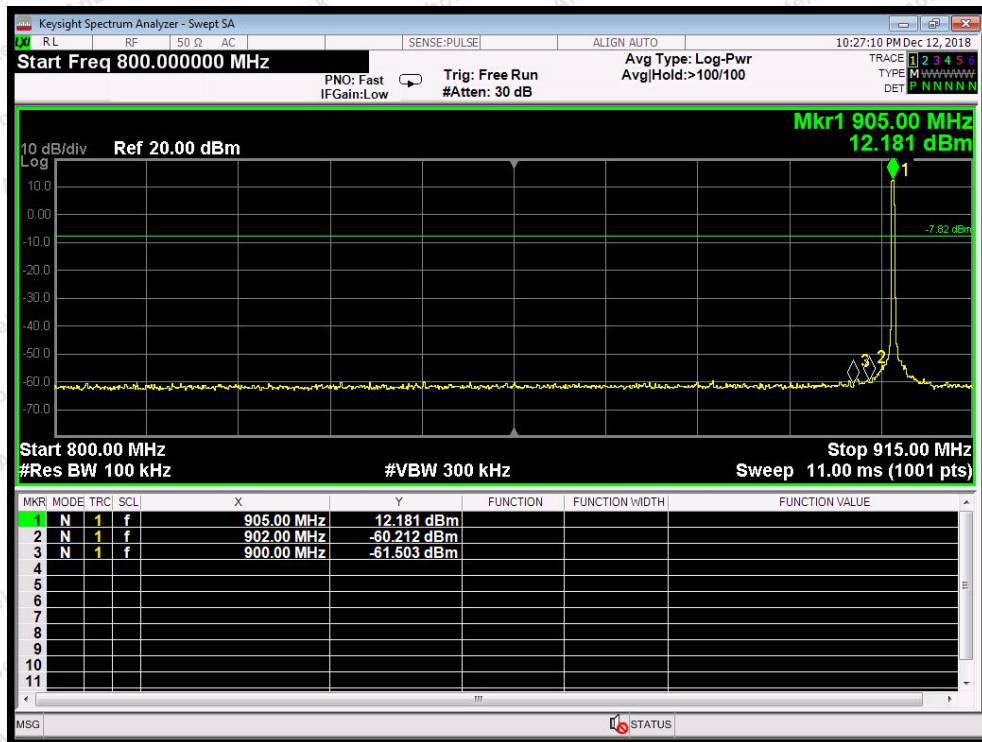
Using the following spectrum analyzer setting:

1. Set the RBW = 100KHz.
2. Set the VBW = 300KHz.
3. Sweep time = auto couple.
4. Detector function = peak.
5. Trace mode = max hold.
6. Allow trace to fully stabilize.

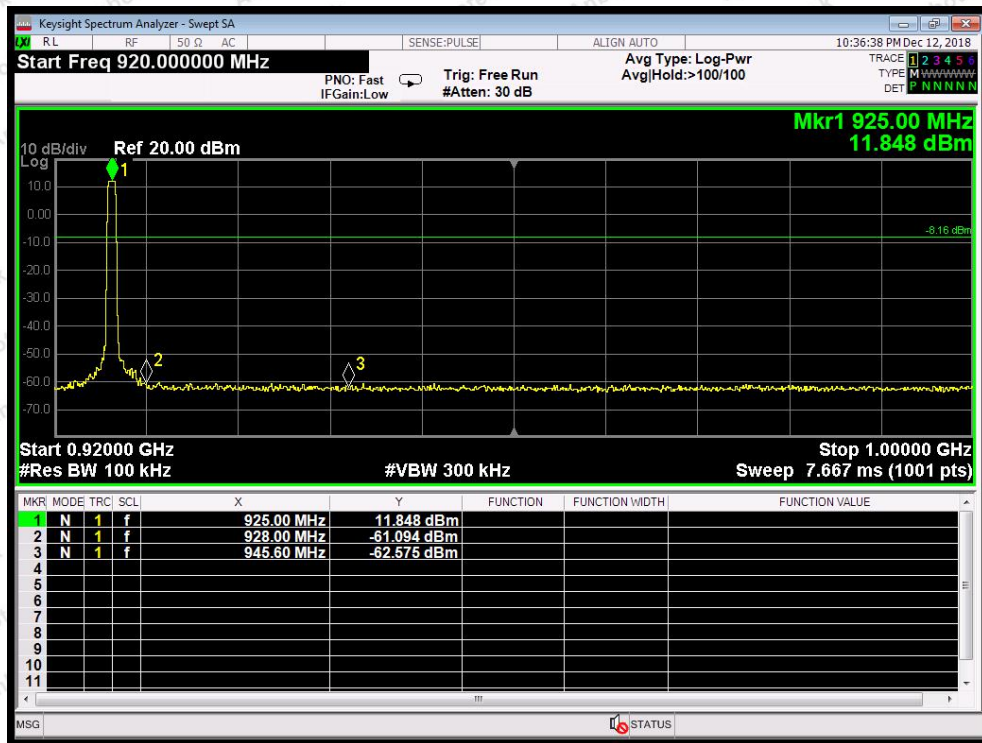
8.4. Test Data

Test Item	: Band edge	Test Mode	: CH Low ~ CH High
Test Voltage	: TX & RX: DC 3V By battery	Temperature	: 23.9℃
Test Result	: PASS	Humidity	: 54%RH

Frequency Band (MHz)	Delta Peak to Band Emission (dBc)	Limit (dBc)	Results
902	72.393	>20	PASS
928	72.942	>20	PASS

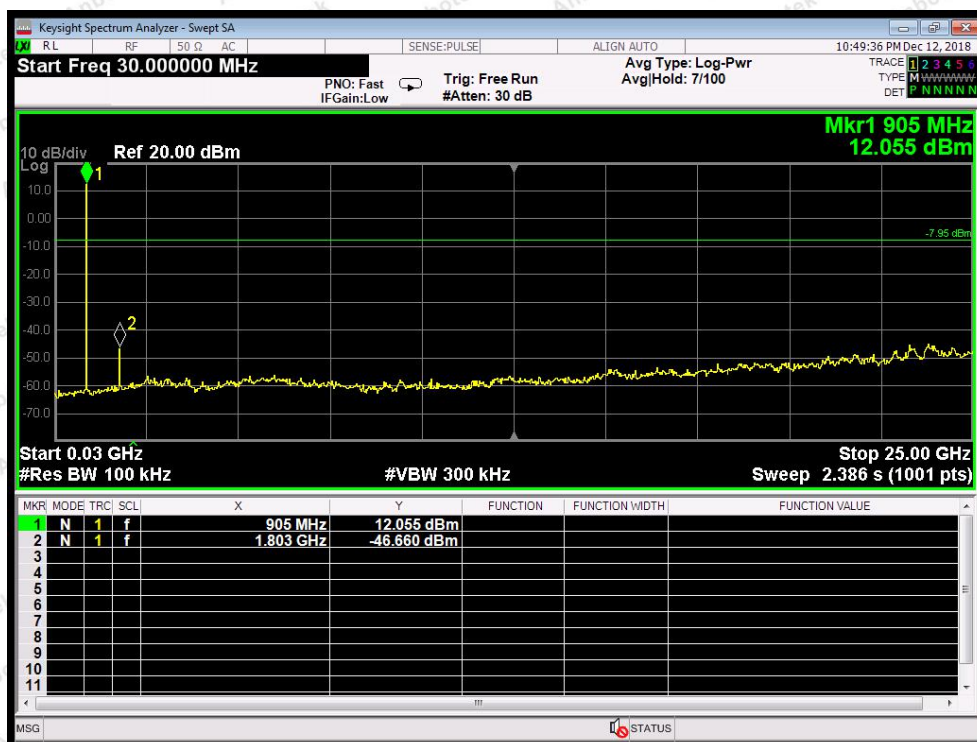


CH: Low

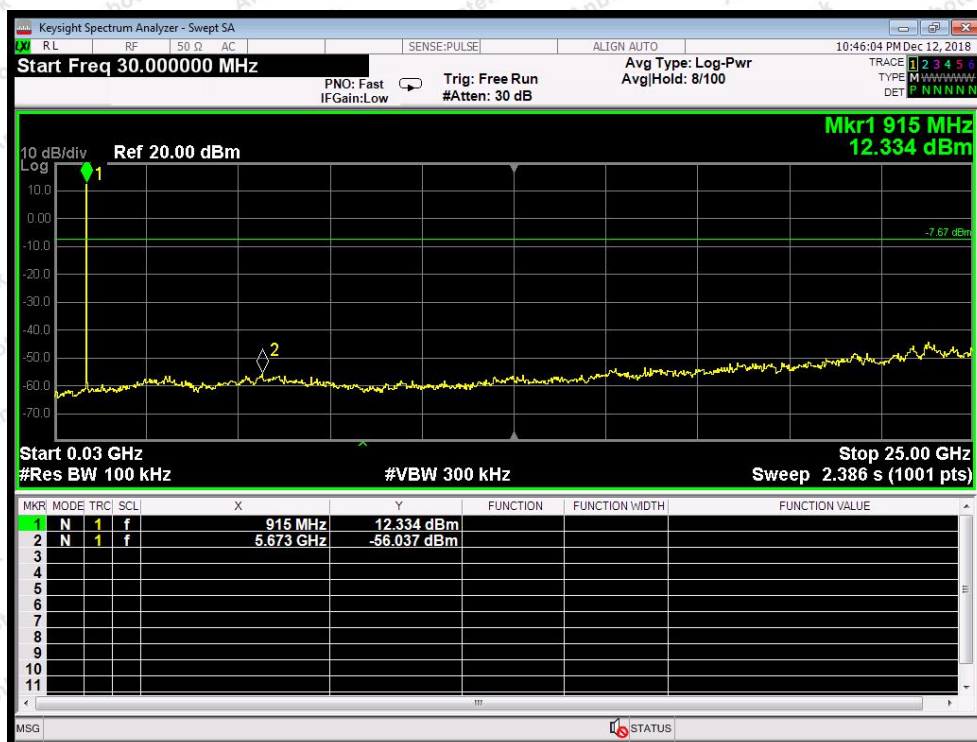


CH: High

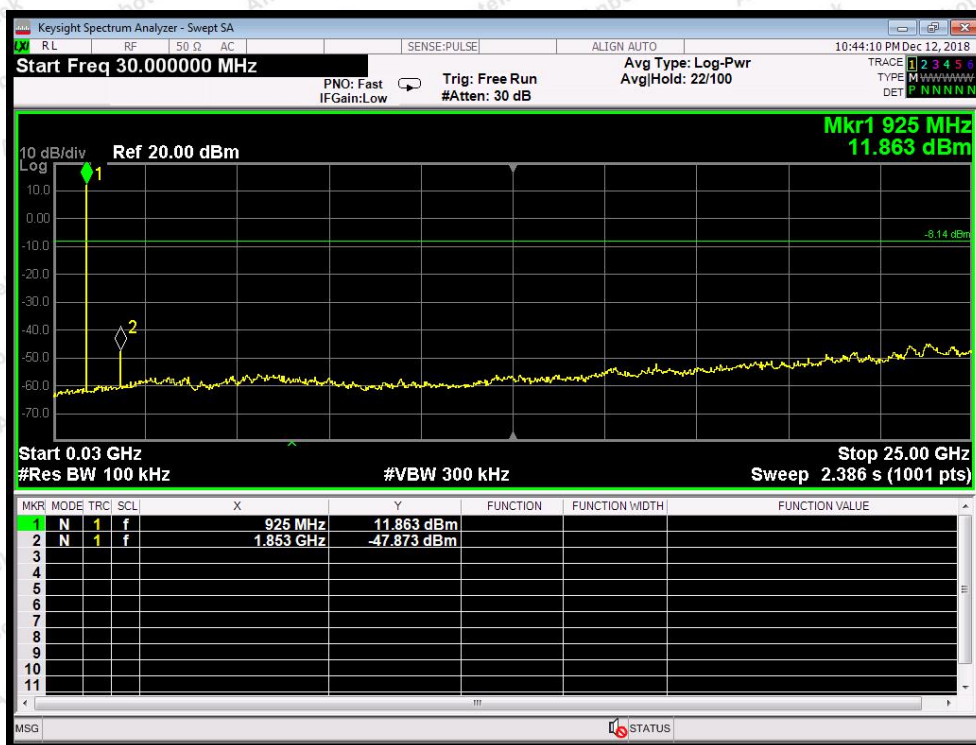
Conducted Emission Method



CH: Low



CH: Middle



CH: High

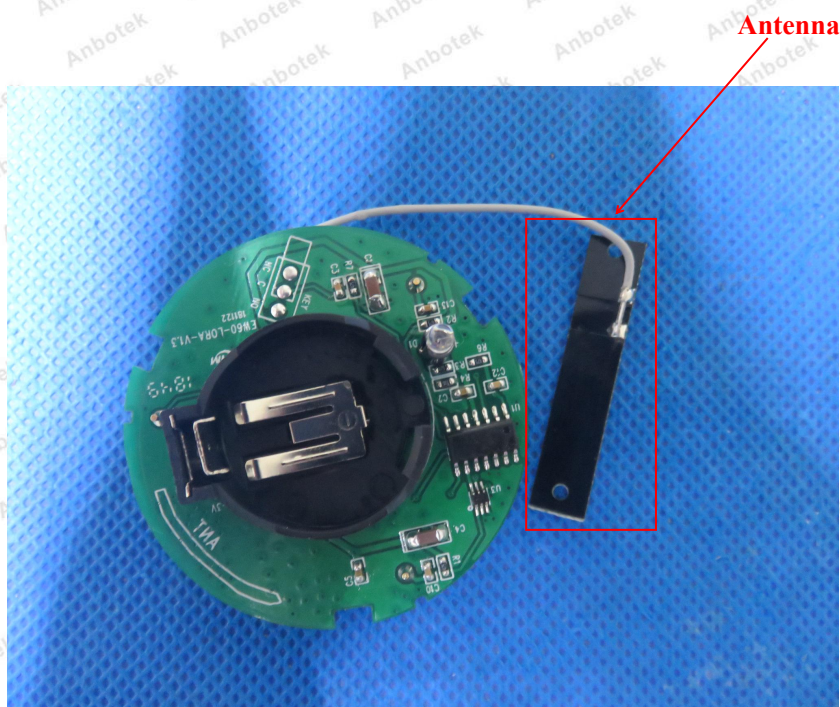
9. Antenna Requirement

9.1. Test Standard and Requirement

Test Standard	FCC Part15 Section 15.203 /247(c)
Requirement	1) 15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. 2) 15.247(c) (1)(i) requirement: Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

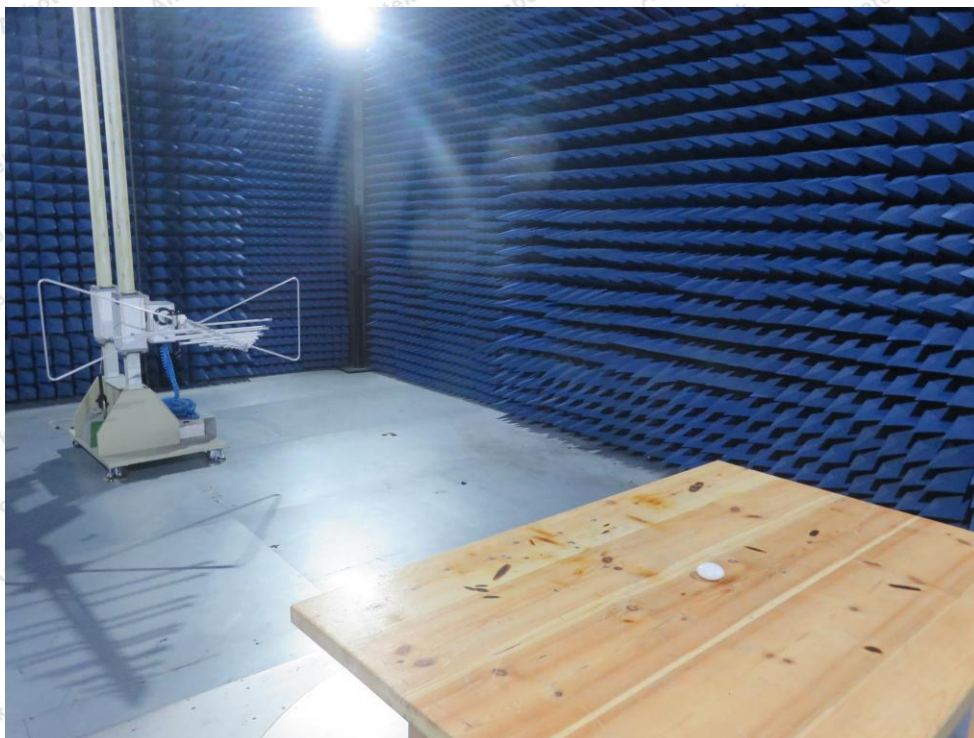
9.2. Antenna Connected Construction

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

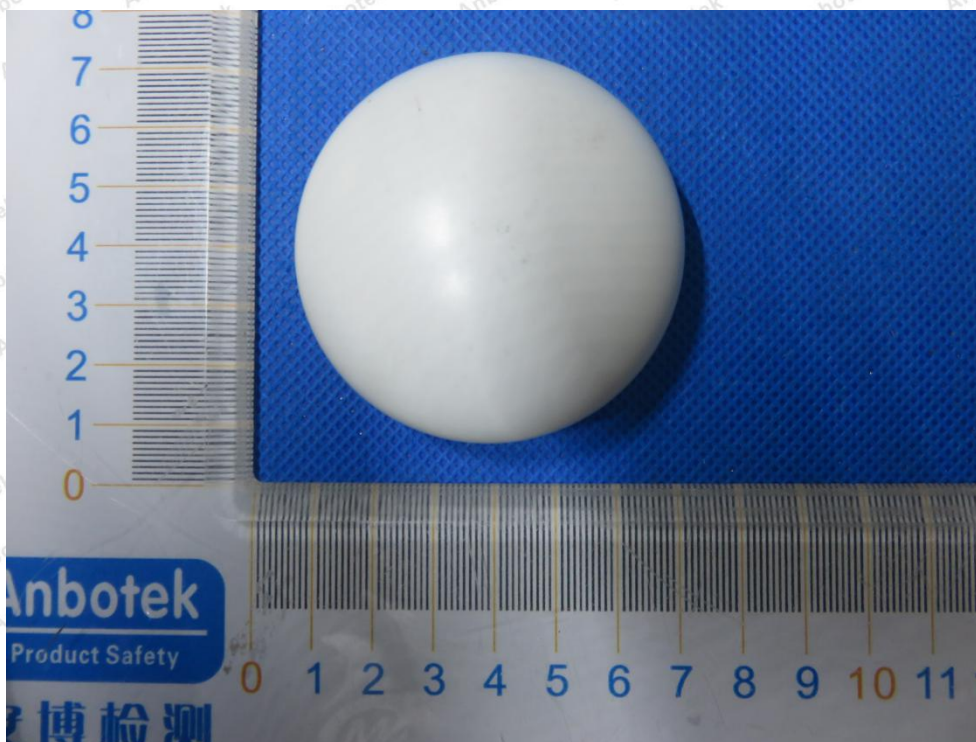


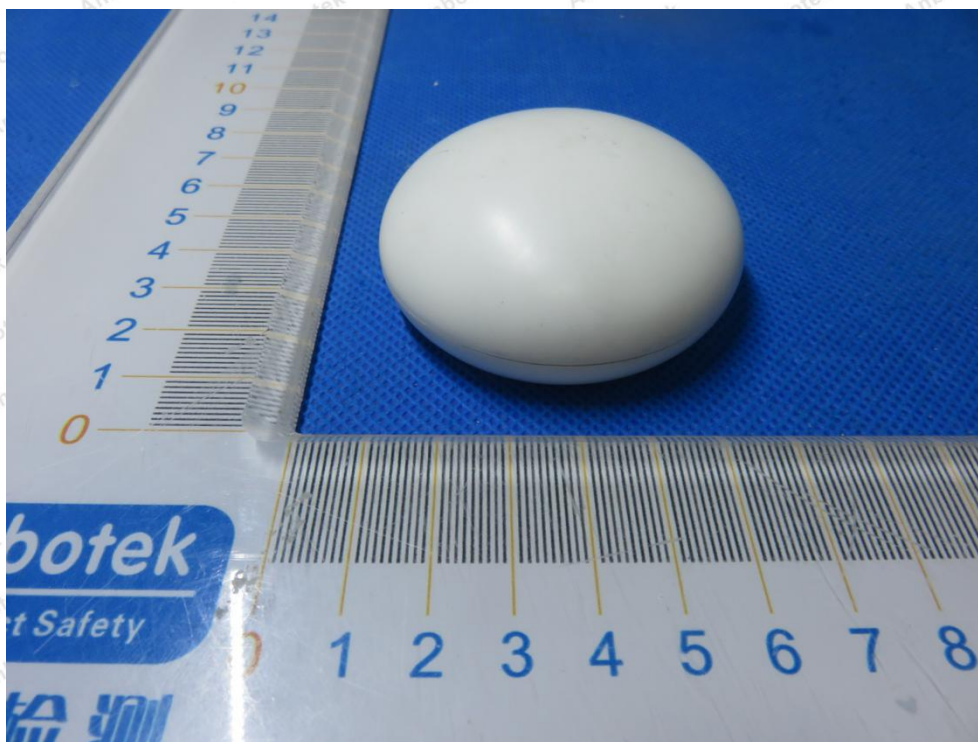
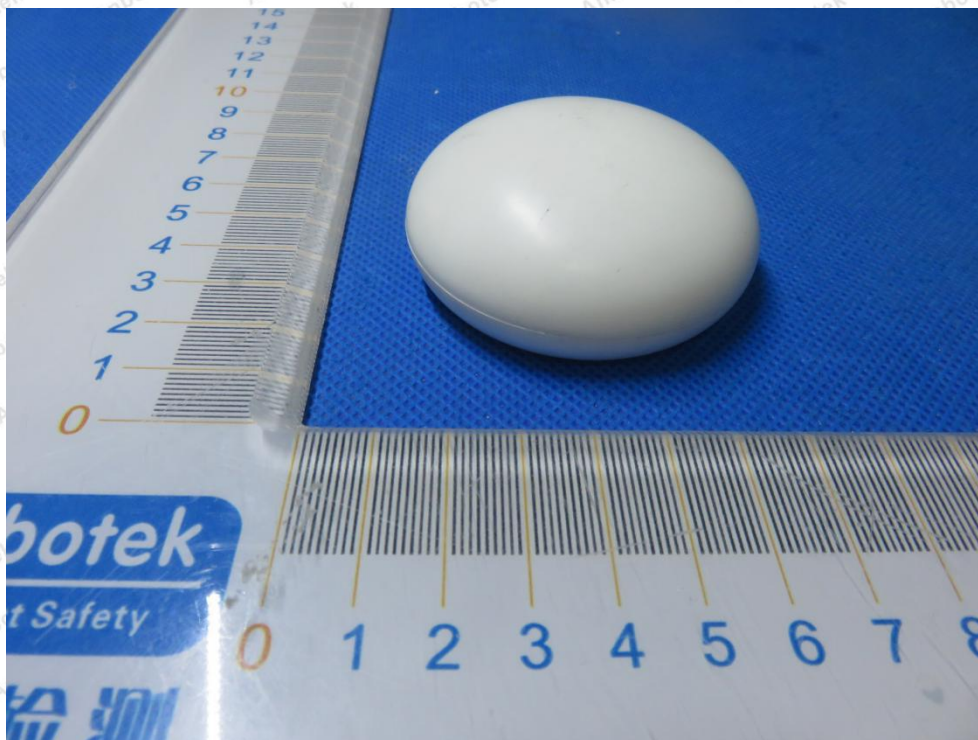
APPENDIX I-- TEST SETUP PHOTOGRAPH

Photo of Radiation Emission Test



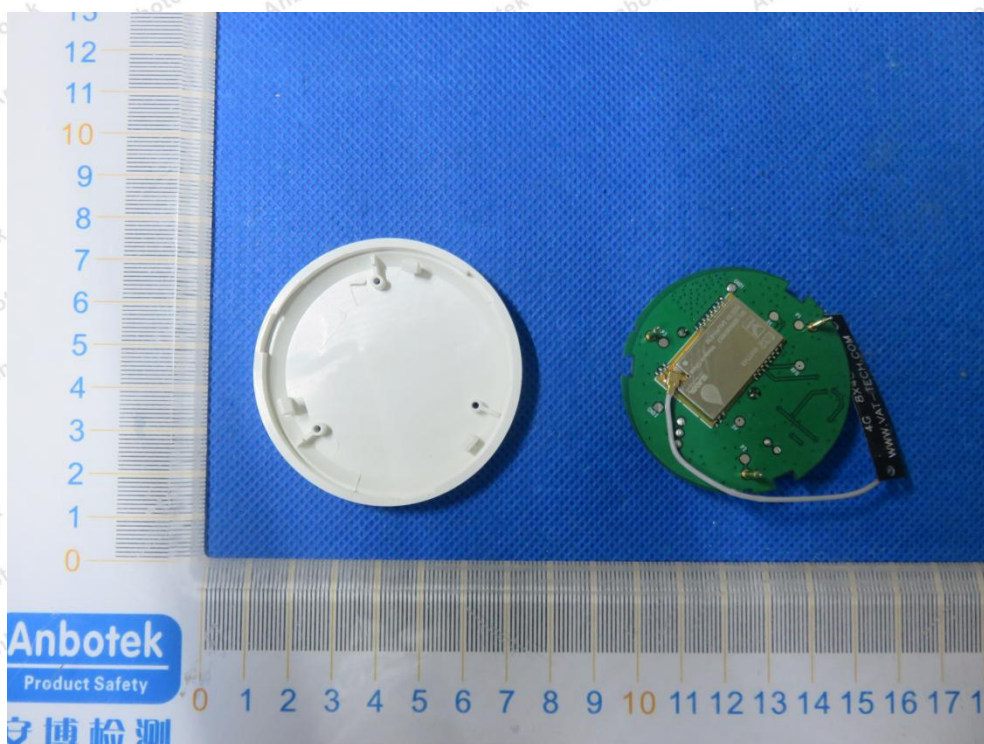
APPENDIX II -- EXTERNAL PHOTOGRAPH

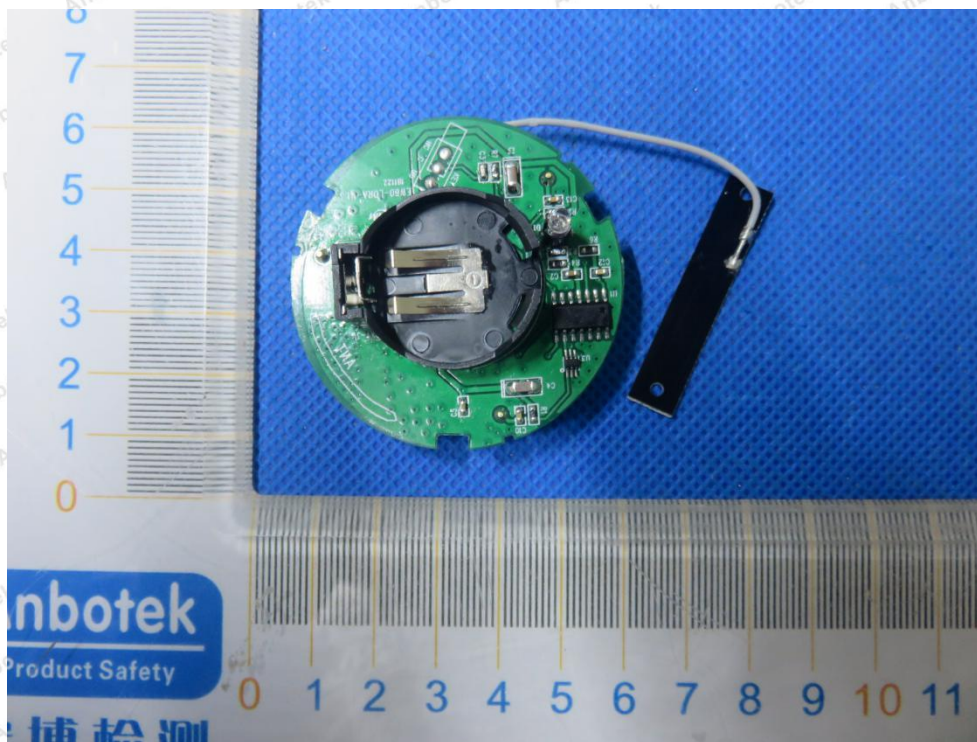


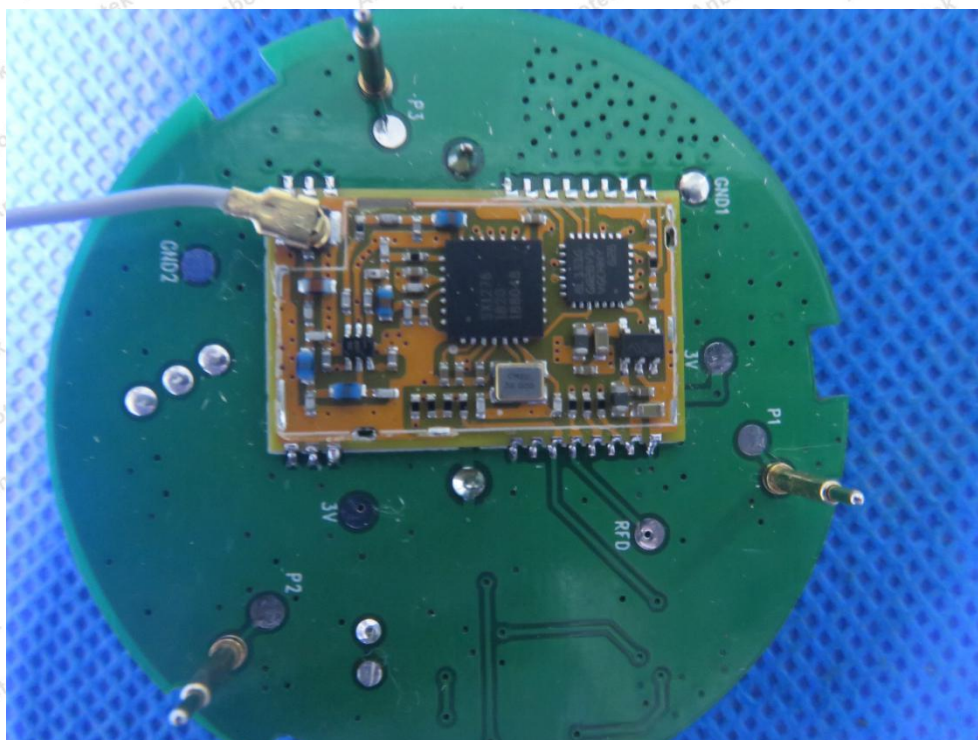
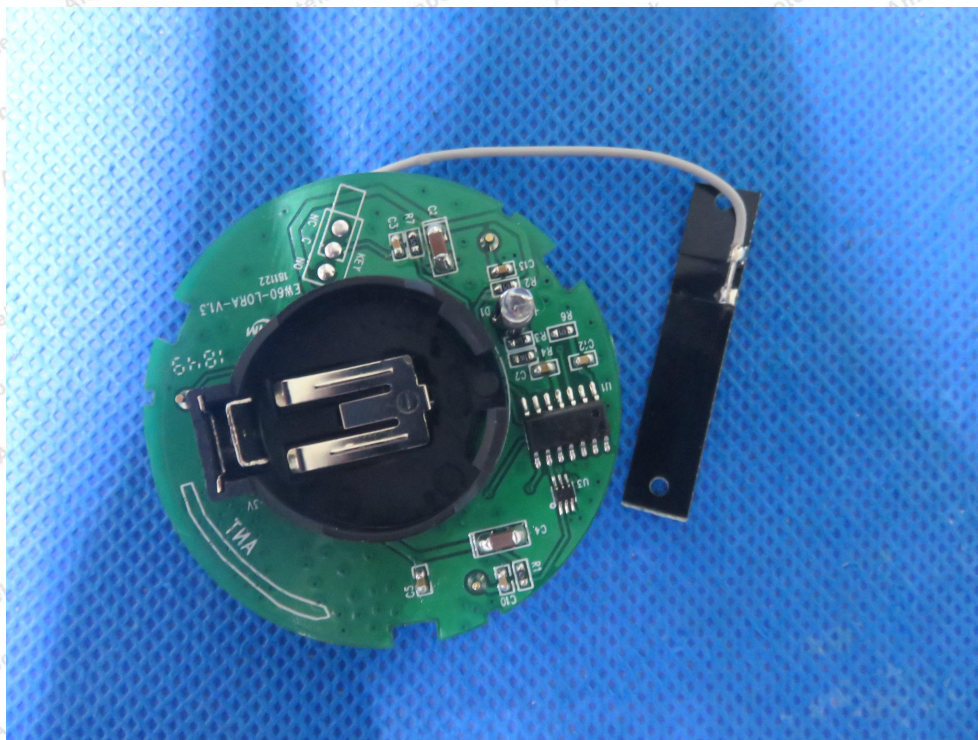




APPENDIX III -- INTERNAL PHOTOGRAPH









----- End of Report -----