



TEST REPORT

Report No.: SHATBL2401013W01

Applicant : Excellus Communications, LLC
Product Name : ezSOS emergency wristband
Brand Name : Snapfon
Model Name : ezSOS v1.0
FCC ID : 2AW56-EZSOS
Test Standard : FCC Part 15.231
Date of Test : 2023.12.28-2024.01.15

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GENERAL DESCRIPTION

Applicant's Name..... : Excellus Communications, LLC
Address..... : 27298 Wetland Road, Suite 101 Harrisburg, SD 57032 USA
Manufacture's Name..... : Ying Tai Electronics Co., Ltd
Address..... : Room 803,Chebalier House 45-51 Chatham Road South, Tsim Sha tsui,Kowloon,Hong Kong

Product Description

Product Name..... : ezSOS emergency wristband
Brand Name..... : Snapfon
Model Name..... : ezSOS v1.0
Series Model..... : N/A

Test Standards..... : FCC Part 15.231

Test Procedure..... : ANSI C63.10-2020

This device described above has been tested by ATBL, the test results show that the equipment under test (EUT) is in compliance with the requirements of FCC Part 15.231. And it is applicable only to the tested sample identified in the report.

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Date of receipt of test item..... : 2023.11.23

Date (s) of performance of tests..... : 2023.12.28—2024.01.15

Date of Issue..... : 2024.01.15

Test Result..... : **Pass**

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Revision History

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	2024.01.15	SHATBL2401013W01	ALL	Initial Issue

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part 15.231, Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	N/A	--
15.205(a)/15.209/ 15.231.(b)	Radiated Spurious Emission	PASS	--
15.231(a)(1)	Transmission requirement	PASS	--
15.231(C)	20 dB Bandwidth	PASS	--
15.203	Antenna Requirement	PASS	--

NOTE:

- (1) 'N/A' denotes test is not applicable in this Test Report.
- (2) All tests are according to ANSI C63.10-2020.

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name	ezSOS emergency wristband
Trade Name	Snapfon
Model Name	ezSOS v1.0
Series Model	N/A
Model Difference	N/A
Frequency band	433.821MHz
Power supply	DC 3V by battery
Modulation Type	FSK
Antenna type:	PCB antenna
Antenna gain:	N/A
Hardware version number	RF 101_V1.0
Software version number	N/A
Temperature Range:	-10~50 °C

Note:

For a more detailed features description, please refer to the manufacturer's specifications or the User Manual.

2.2 DESCRIPTION OF THE TEST MODES

For conducted test items and radiated spurious emissions
 Each of these EUT operation mode(s) or test configuration mode(s) mentioned below was evaluated respectively.

Pretest Mode	Description
Mode 1	TX Mode

Note:

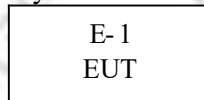
(1) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.

For Conducted Emission

Test Case	
Conducted Emission	N/A Test Case

2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

During test, Keep EUT is in continuous transmission mode, Both open button and closed button have been tested, The two keys were tested to assess and only record the worst case in the report (Open button).



2.4 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Necessary accessories

Item	Equipment	Mfr/Brand	Model/Type No.	Length	Note
N/A	N/A	N/A	N/A	N/A	N/A

Support units

Item	Equipment	Mfr/Brand	Model	Type No.	Note
N/A	N/A	N/A	N/A	N/A	N/A

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.

2.5 LABORATORY INFORMATION

Company Name:	Shanghai ATBL Technology Co., Ltd.
Address:	Building 8, No. 160, Basheng Road, Waigaoqiao Free Trade Zone, Pudong New Area, Shanghai
Telephone:	+86(0)21-51298625

2.6 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	RF output power, conducted	$\pm 0.68\text{dB}$
2	Unwanted Emissions, conducted	$\pm 2.988\text{dB}$
3	All emissions, radiated 9K-30MHz	$\pm 2.84\text{dB}$
4	All emissions, radiated 30M- 1GHz	$\pm 4.39\text{dB}$
5	All emissions, radiated 1G-6GHz	$\pm 5.10\text{dB}$
6	All emissions, radiated >6G	$\pm 5.48\text{dB}$
7	Conducted Emission (9kHz- 150kHz)	$\pm 2.79\text{dB}$
8	Conducted Emission (150kHz-30MHz)	$\pm 2.80\text{dB}$

2.7 EQUIPMENTS LIST
2.7.1 Radiation Test equipment

kind of Equipment	Manufacturer	Type No.	Serial No.	Management number	Calibrated until
Test Receiver	R&S	ESCI	100469	SHATBL-E003	2024.05.09
Spectrum Analyzer	Agilent	N9020A	MY50200811	SHATBL-E017	2024.05.09
Loop Antenna	Daze	ZN30900C	20077	SHATBL-E042	2024.05.09
Bilog Antenna	SCHWARZBECK	VLUB 9168	01174	SHATBL-E008	2024.05.12
Horn Antenna	SCHWARZBECK	BBHA 9120D	02014	SHATBL-E009	2024.05.12
Pre-Amplifier (0.1M-3GHz)	JPT	JPA-10M1G35	21010100035001	SHATBL-E005	2024.05.09
Pre-Amplifier (1G-18GHz)	JPT	JPA0118-55-303A	1910001800055000	SHATBL-E006	2024.05.09
Temperature & Humidity	DeLi	DeLi	N/A	SHATBL-E016	2024.09.19
Antenna/Turntable Controller	Brilliant	N/A	N/A	SHATBL-E007	N/A
Test SW	FALA	EMC-RI(Ver.4A2)		SHATBL-E046	N/A

2.7.2 Conduction Test equipment

kind of Equipment	Manufacturer	Type No.	Serial No.	Management number	Calibration date
Test Receiver	R&S	ESPI	101679	SHATBL-E012	2024.05.09
LISN	R&S	ENV216	101300	SHATBL-E013	2024.05.09
LISN	R&S	ENV216	100333	SHATBL-E041	2024.05.09
Temperature & Humidity	DeLi	DeLi	N/A	SHATBL-E015	2024.09.19
Test SW	FALA	EZ-EMC(Ver.EMC-CON3A1.1)		SHATBL-E044	N/A

3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION LIMITS

The radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table .

FREQUENCY (MHz)	Class B (dBuV)		Standard
	Quasi- peak	Average	
0.15 -0.5	66 - 56 *	56 - 46 *	CISPR
0.50 -5.0	56.00	46.00	CISPR
5.0 -30.0	60.00	50.00	CISPR

0.15 -0.5	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	56.00	46.00	FCC
5.0 -30.0	60.00	50.00	FCC

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of “ * ” marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

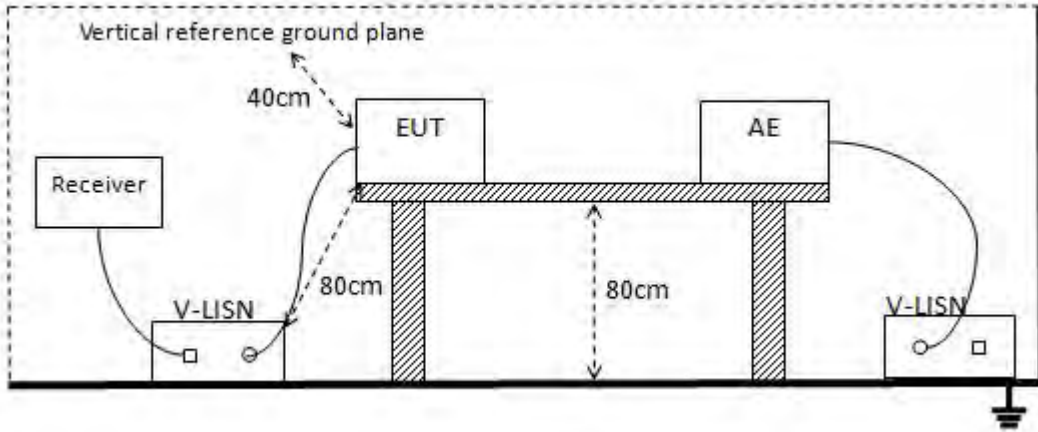
The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.2 TEST PROCEDURE

- a. The EUT is 0.8 m from the horizontal ground plane and 0.4 m from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment are powered from additional LISN(s). The LISN provides 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN is at least 80 cm from the nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.3 TEST SETUP



3.4 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

3.5 TEST RESULTS

Temperature:	N/A	Relative Humidity:	N/A
Test Voltage:	N/A	Phase :	L/N
Test Mode:	N/A		

Note: EUT is only power by battery, So it is not applicable for this test.

4. RADIATED EMISSION MEASUREMENT

4.1 RADIATED EMISSION LIMITS

In case the emission fall within the restricted band specified on Part 15.205(a), then the Part 15.209(a) and Part 15.231(b) limit in the table below has to be followed.

LIMITS OF RADIATED EMISSION MEASUREMENT (Frequency Range 9kHz-1000MHz)

Frequencies (MHz)	Field Strength (micровolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~40.66	100	3
40.70~70	100	3

Fundamental Frequency (MHz)	Field Strength of fundamental (microvolts/meter)	Field Strength of Unwanted 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	3750	375
260~470	3,750 to 12,500**	375 to 1,250**
Above 470	12,500	1,250

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	(dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

- (1) The limit for radiated test was performed according to FCC Part 15.231.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

LIMITS OF RESTRICTED FREQUENCY BANDS

FREQUENCY (MHz)	FREQUENCY (MHz)	FREQUENCY (MHz)	FREQUENCY (GHz)
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	Above 38.6
13.36-13.41			

Spectrum Parameter	Setting
Detector	Peak
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1MHz / 3MHz

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~90kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	90kHz~110kHz / RB 200Hz for QP
Start ~ Stop Frequency	110kHz~490kHz / RB 200Hz for PK & AV
Start ~ Stop Frequency	490kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

4.2 TEST PROCEDURE

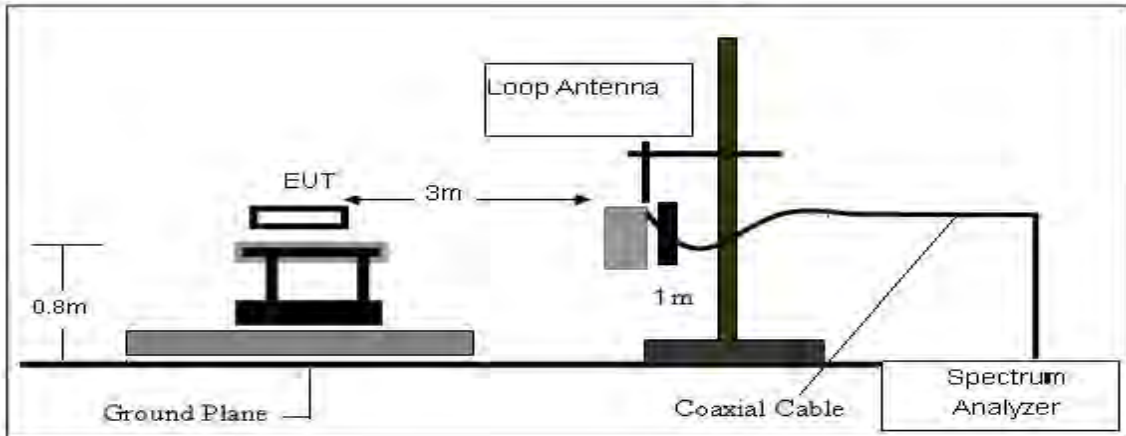
- a. The measuring distance of at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
- b. The EUT was placed on the top of a rotating table 0.8 meters (above 1GHz is 1.5 m) above the ground at a 3 meter anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment shall be 0.8 m (above 1GHz is 1.5 m); the height of the test antenna shall vary between 1 m to 4 m. Horizontal and vertical polarization of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

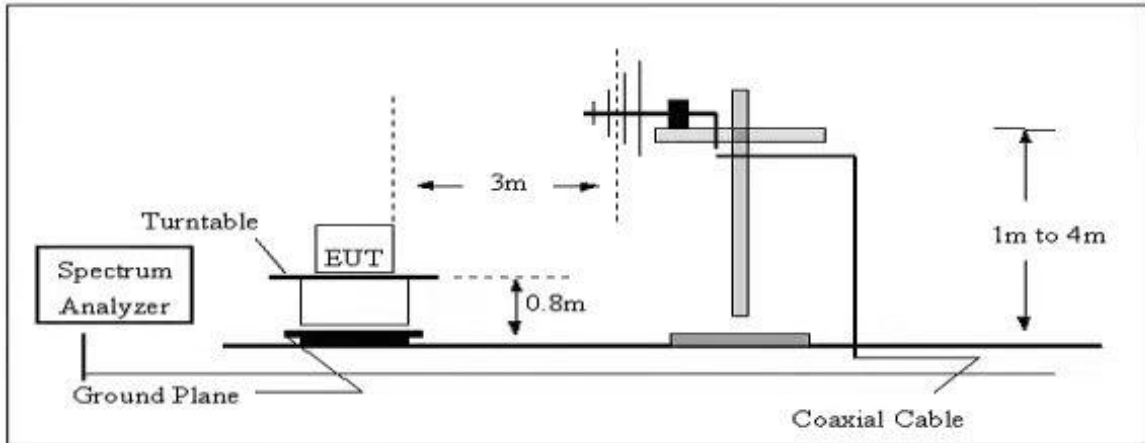
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

4.3 TEST SETUP

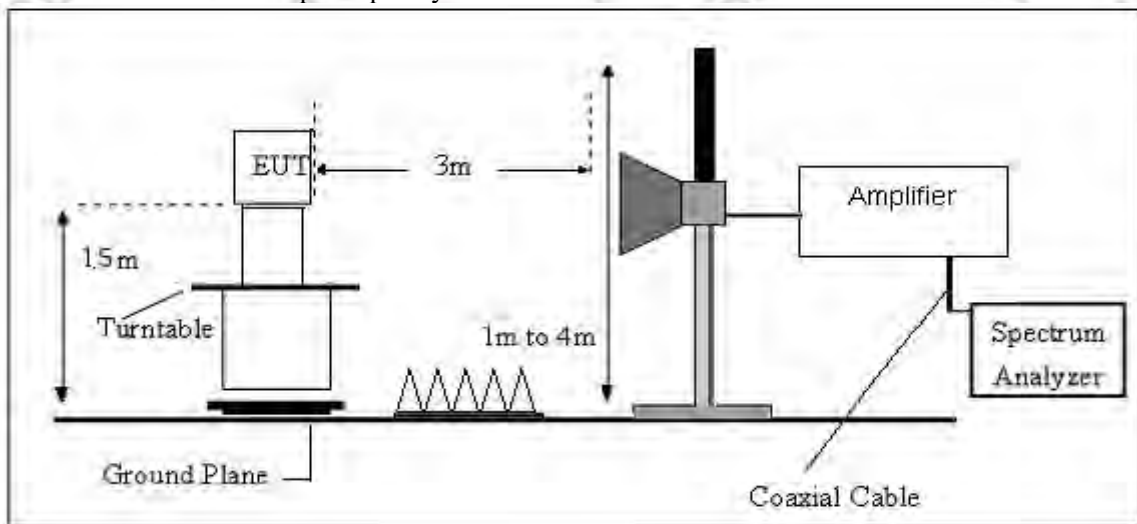
(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



(C) Radiated Emission Test-Up Frequency Above 1GHz



4.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

4.5 FIELD STRENGTH CALCULATION

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where

FS = Field Strength

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

For example

Frequency (MHz)	FS (dB μ V/m)	RA (dB μ V/m)	AF (dB)	CL (dB)	AG (dB)	Factor (dB)
300	40	58.1	12.2	1.6	31.9	-18.1

$$\text{Factor} = \text{AF} + \text{CL} - \text{AG}$$

4.6 TEST RESULTS

(Radiated Emission < 30 MHz (9 kHz - 30 MHz, H-field))

Temperature:	23.4°C	Relative Humidity	55%RH
Test Voltage:	DC3V	Polarization:	N/A
Test Mode:	TX Mode		

Note:

The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Distance extrapolation factor = $40 \log(\text{specific distance}/\text{test distance})$ (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.

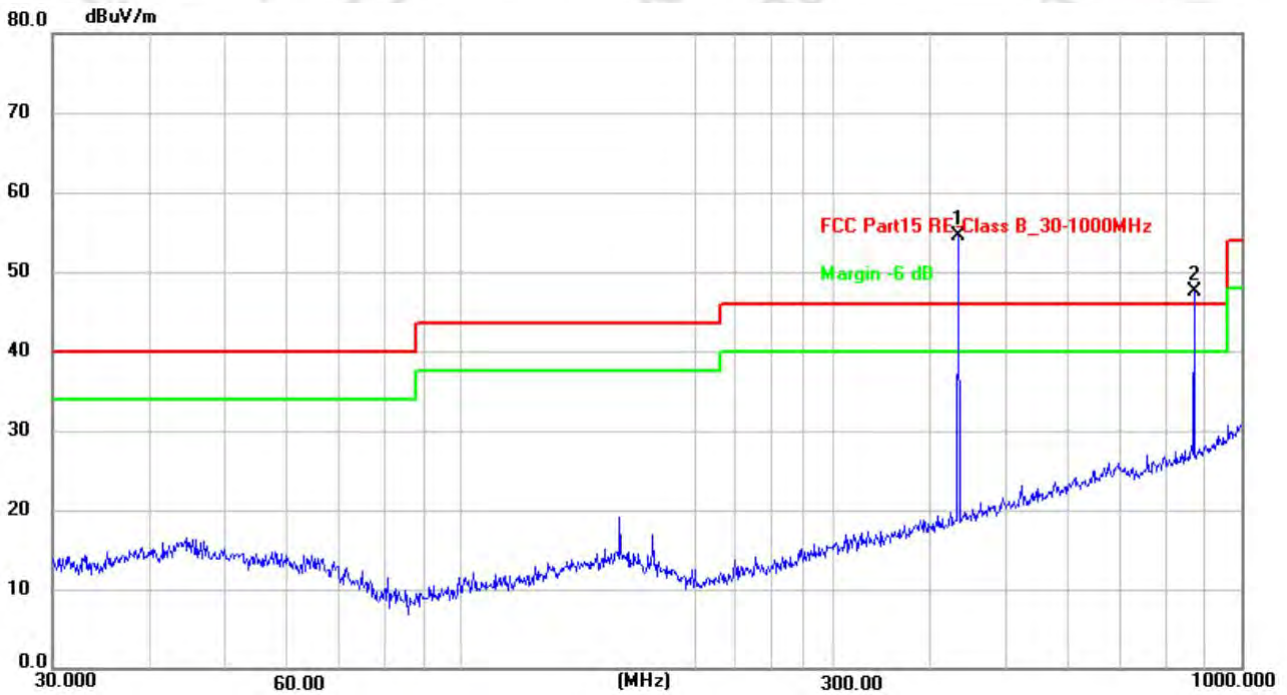
(30MHz -1000MHz)

Temperature:	23.3°C	Relative Humidity:	48%RH
Test Voltage:	DC 3V	Phase:	Horizontal
Test Mode:	TX Mode		

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain
- 3.If the Peak value below the AV/QP Limit, the AV/QP test doesn't perform for this submission.

Antenna Horizontal



No	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height	Azimuth	P/F
1	434.0615	73.82	-19.34	54.48	100.82	-46.34	Peak	150	0	P
2	869.1302	58.76	-11.28	47.48	80.82	-33.34	Peak	150	0	P

No.	Frequency (MHz)	PK level (dBuV/m)	Duty cycle Factor(dB)	AV level (dBuV/m)	AV Limit [dBuV/m]	Margin [dB]	Polarity
1	434.0651	54.48	-9.02	45.46	80.82	-35.36	Horizontal
2	869.1302	47.48	-9.02	38.46	60.82	-22.36	Horizontal

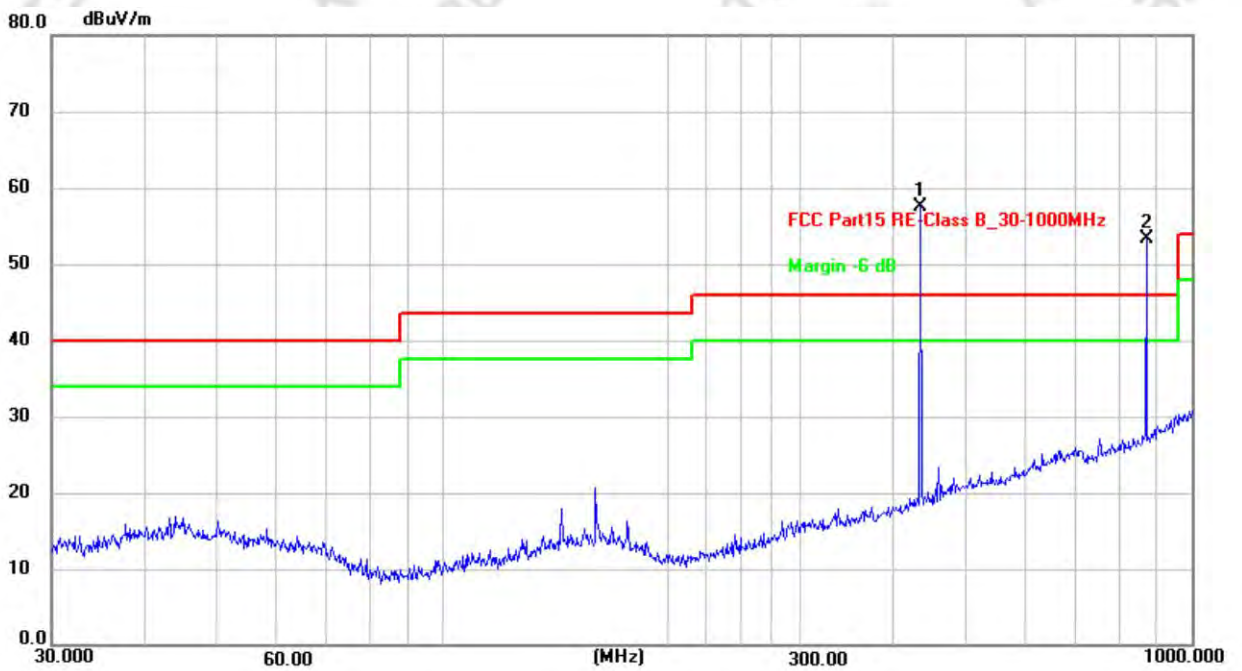
(30MHz -1000MHz)

Temperature:	23.3°C	Relative Humidity:	48%RH
Test Voltage:	DC 3V	Phase:	Vertical
Test Mode:	TX Mode		

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain
- 3.If the Peak value below the AV/QP Limit, the AV/QP test doesn't perform for this submission.

Antenna Vertical



No	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height	Azimuth	P/F
1	434.0615	76.85	-19.34	57.51	100.82	-43.31	Peak	150	0	P
2	869.1302	64.57	-11.28	53.29	80.82	-27.53	Peak	150	0	P

No.	Frequency (MHz)	PK level (dBuV/m)	Duty cycle Factor(dB)	AV level (dBuV/m)	AV Limit [dBμV/m]	Margin [dB]	Polarity
1	434.0651	57.51	-9.02	48.49	80.82	-32.33	Vertical
2	869.1302	53.29	-9.02	44.27	60.82	-16.55	Vertical

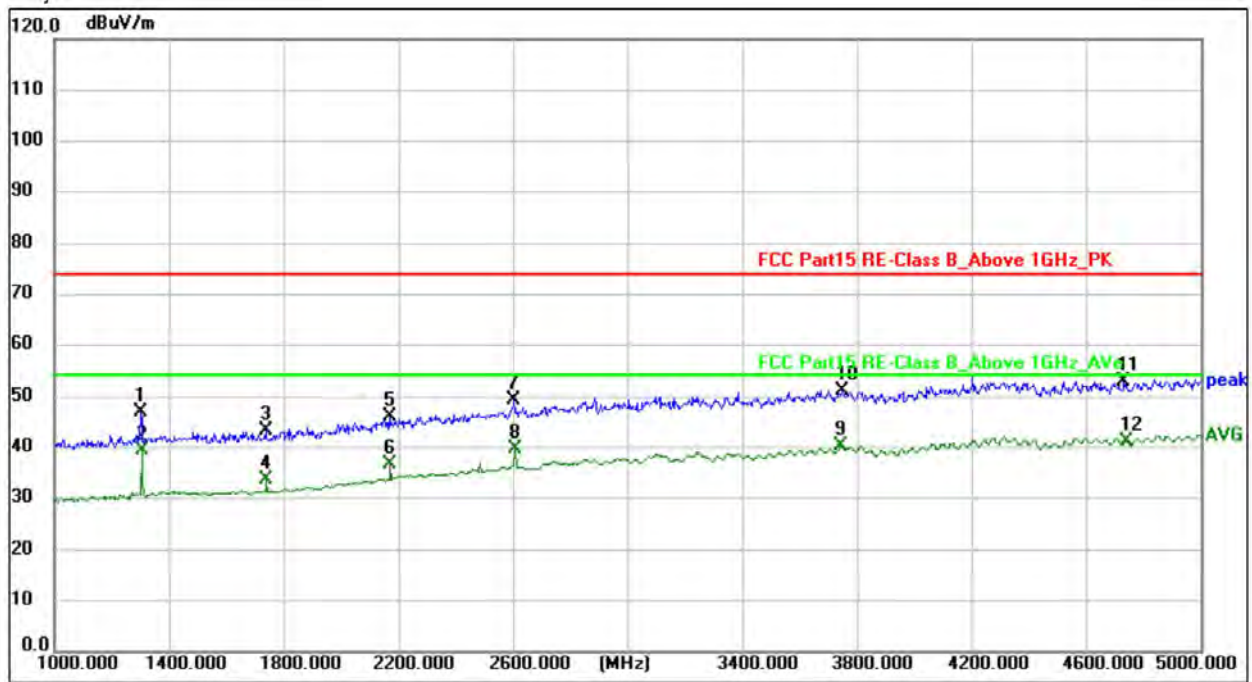
(1000MHz -5000MHz)

Temperature:	23.3°C	Relative Humidity:	48%RH
Test Voltage:	DC 3V	Phase:	Horizontal
Test Mode:	TX Mode		

Remark:

- Margin = Result (Result = Reading + Factor) - Limit
- Factor = Antenna factor + Cable attenuation factor (cable loss) - Amplifier gain
- : If the Peak value below the AV/QP Limit, the AV/QP test doesn't perform for this submission.

Antenna Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	1300.000	66.14	-19.06	47.08	74.00	-26.92	peak			P	
2	1304.000	58.50	-19.05	39.45	54.00	-14.55	AVG			P	
3	1736.000	61.62	-18.26	43.36	74.00	-30.64	peak			P	
4	1740.000	51.96	-18.25	33.71	54.00	-20.29	AVG			P	
5	2168.000	61.93	-15.91	46.02	74.00	-27.98	peak			P	
6	2172.000	52.64	-15.90	36.74	54.00	-17.26	AVG			P	
7	2604.000	63.44	-14.09	49.35	74.00	-24.65	peak			P	
8	2608.000	53.92	-14.07	39.85	54.00	-14.15	AVG			P	
9	3744.000	50.12	-9.89	40.23	54.00	-13.77	AVG			P	
10	3748.000	61.09	-9.86	51.23	74.00	-22.77	peak			P	
11	4732.000	59.97	-6.90	53.07	74.00	-20.93	peak			P	
12 *	4740.000	48.27	-6.90	41.37	54.00	-12.63	AVG			P	

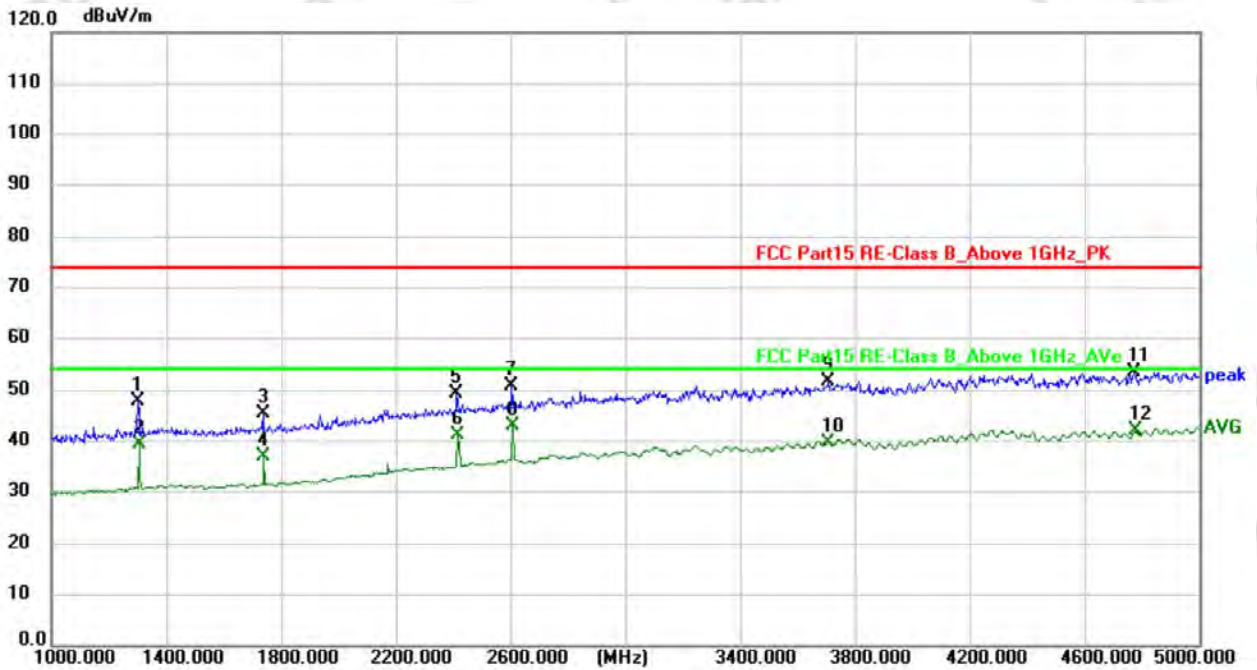
(1000MHz -5000MHz)

Temperature:	23.3°C	Relative Humidity:	48%RH
Test Voltage:	DC 3V	Phase:	Vertical
Test Mode:	TX Mode		

Remark:

1. Margin = Result (Result =Reading + Factor)–Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain
- 3 : If the Peak value below the AV/QP Limit, the AV/QP test doesn't perform for this submission.

Antenna Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	1300.000	66.78	-19.06	47.72	74.00	-26.28	peak			P	
2	1304.000	58.42	-19.05	39.37	54.00	-14.63	AVG			P	
3	1736.000	63.57	-18.26	45.31	74.00	-28.69	peak			P	
4	1740.000	55.42	-18.25	37.17	54.00	-16.83	AVG			P	
5	2412.000	64.42	-14.99	49.43	74.00	-24.57	peak			P	
6	2416.000	56.33	-14.98	41.35	54.00	-12.65	AVG			P	
7	2604.000	64.97	-14.09	50.88	74.00	-23.12	peak			P	
8 *	2608.000	57.20	-14.07	43.13	54.00	-10.87	AVG			P	
9	3708.000	61.82	-10.14	51.68	74.00	-22.32	peak			P	
10	3708.000	49.96	-10.14	39.82	54.00	-14.18	AVG			P	
11	4772.000	60.50	-6.90	53.60	74.00	-20.40	peak			P	
12	4776.000	48.96	-6.91	42.05	54.00	-11.95	AVG			P	

5. BANDWIDTH TEST

5.1 LIMIT

FCC Part15.231,Subpart C			
Section	Test Item	Limit	Result
15.231(C)	20 Bandwidth	The 20dB bandwidth of the emissions shall not exceed 0.25% of the center frequency	PASS

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> Measurement Bandwidth
RB	10 kHz (20dB Bandwidth)
VB	30 kHz (20dB Bandwidth)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.2 TEST SETUP



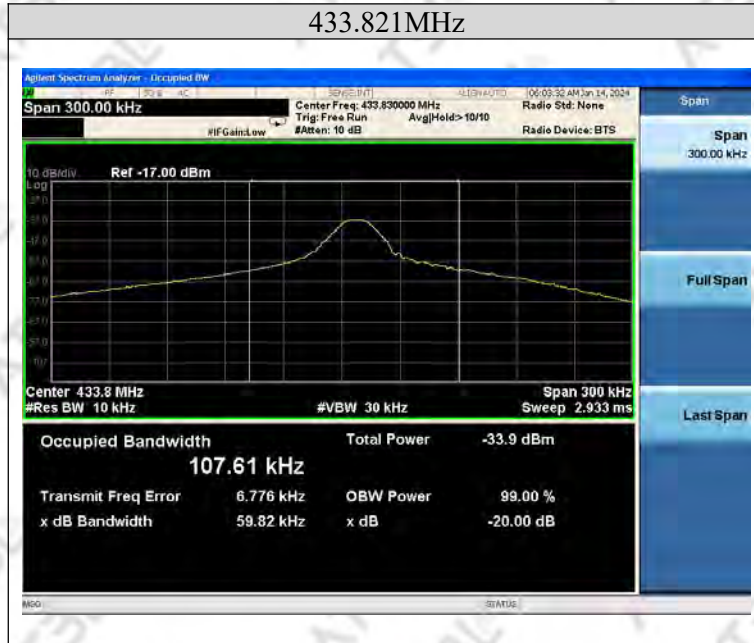
The bandwidth of the emission shall be no wider than 0.25% of the center frequency for device: operating above 70 MHz and below 900 MHz. For devices operating above 900 MHz, the emission shall be no wider than 0.5% of the center frequency. Bandwidth is determined at the points 20 dB down from the modulated carrier.

5.3 EUT OPERATION CONDITIONS

TX mode.

5.4 TEST RESULTS

Centre Frequency	Measurement		
	20 dB Bandwidth (kHz)	Limit(kHz)	Frequency Range (MHz)
433.821	59.82	1084.5525	PASS



6. DUTY CYCLE

6.1 TEST PROCEDURE

The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.

The Duty Cycle Was Determined By The Following Equation: To Calculate The Actual Field Intensity,The Duty Cycle Correction Factor In Decibel Is Needed For Later Use And Can Be Obtained From Following Conversion

Duty Cycle(%)=Total On Interval In A Complete Pulse Train/ Length Of A Complete Pulse Train * %

Duty Cycle Correction Factor(Db)=20 * Log10(Duty Cycle(%))

6.2 TEST SETUP

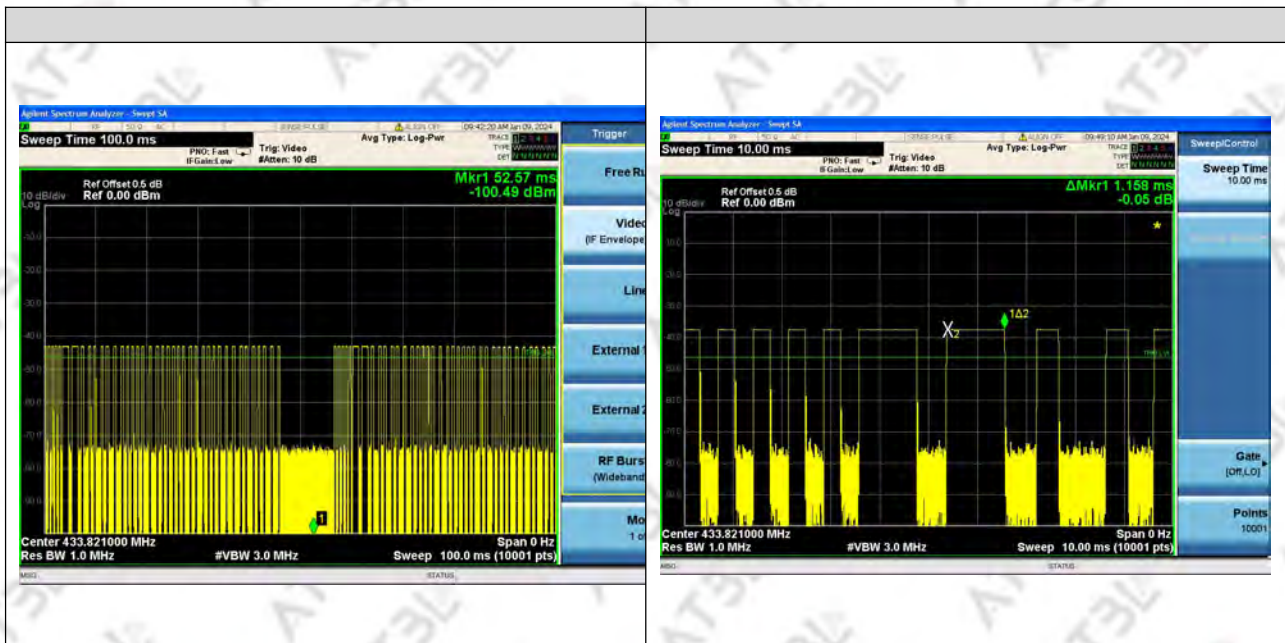


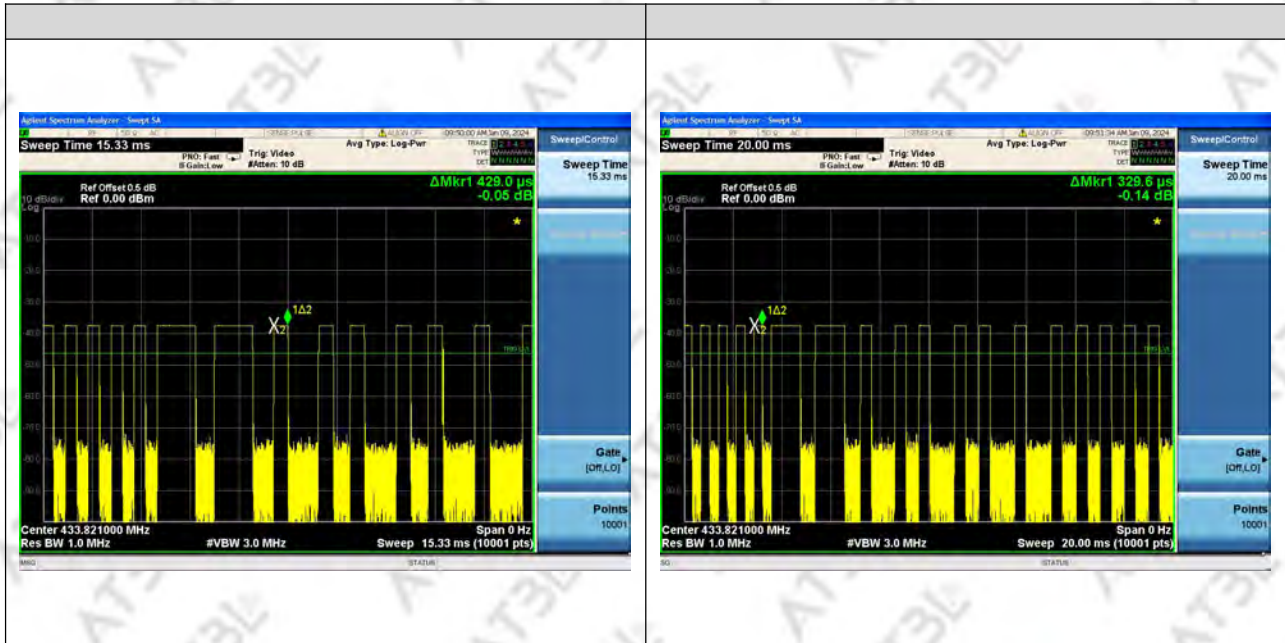
6.3 EUT OPERATION CONDITIONS

TX mode.

6.4 TEST RESULTS

FCC Part 15.231	
433.821MHz	
Ton(ms)	$1.158 \times 4 + 10 \times 0.330 + 64 \times 0.429 = 35.388$
Tperiod(ms)	100
Duty Cycle (%)	35.4
Duty Cycle Correction Factor(dB)	-9.02





7. AUTOMATICALLY DEACTIVATE

7.1 STANDARD REQUIREMENT

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

7.2 TEST PROCEDURE

The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.

Spectrum Setting: RBW= 1MHz, VBW=3MHz, Sweep time = 10s.

Set the EUT to transmit by manually operated. Use the “View” function of SPA to find the transmission time of being released.

7.3 TEST SETUP



7.4 TEST RESULTS

433.821MHz		
Activation time	Limit(Sec)	Result
4.48 s	5 s	Pass



Mark 1: Stop transmitting
 Activation time= $2\Delta 1$

8. ANTENNA REQUIREMENT

8.1 STANDARD REQUIREMENT

FCC Part 15 Paragraph 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. The use of a permanently attached antenna to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

8.2 EUT ANTENNA

The EUT antenna is PCB antenna. It conforms to the standard requirements.

APPENDIX-A PHOTOS OF TEST SETUP

Radiated Emissions for 1GHz~5GHz	Radiated Emissions for 30MHz~1GHz
	
Radiated Emissions for 9kHz~30MHz	N/A
	N/A

APPENDIX-B PHOTOS OF EUT

Photo1

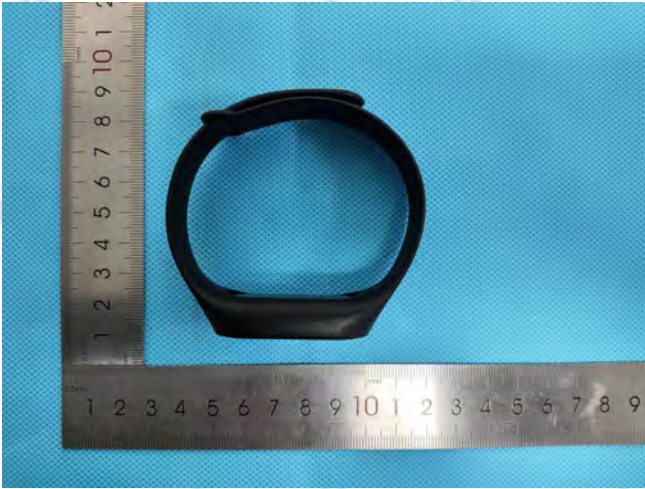


Photo2



Photo3



Photo4



Photo5



Photo6



Photo7



Photo8



Photo9

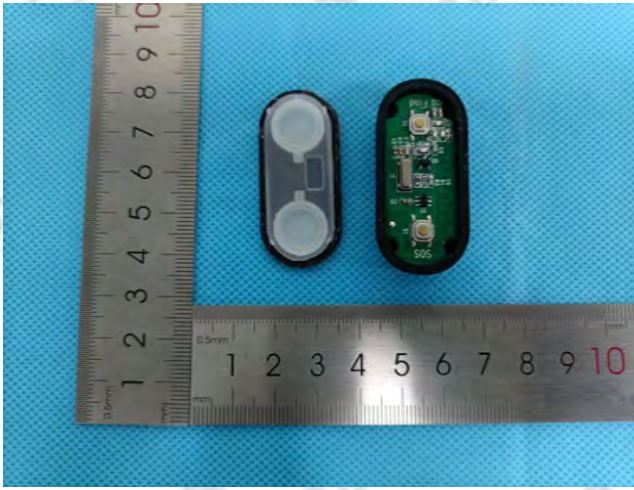


Photo10

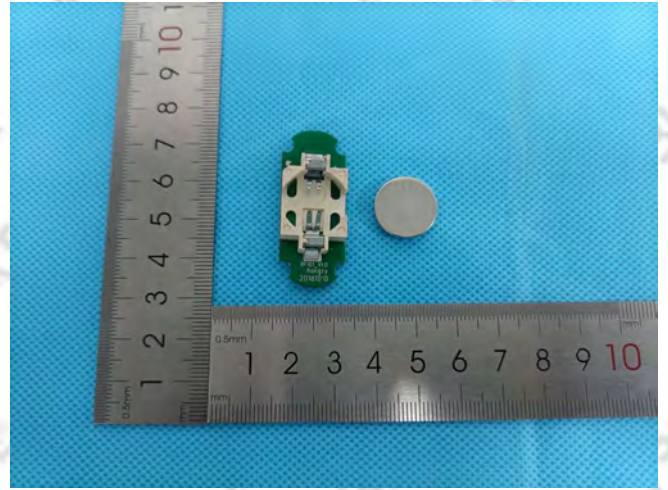


Photo11

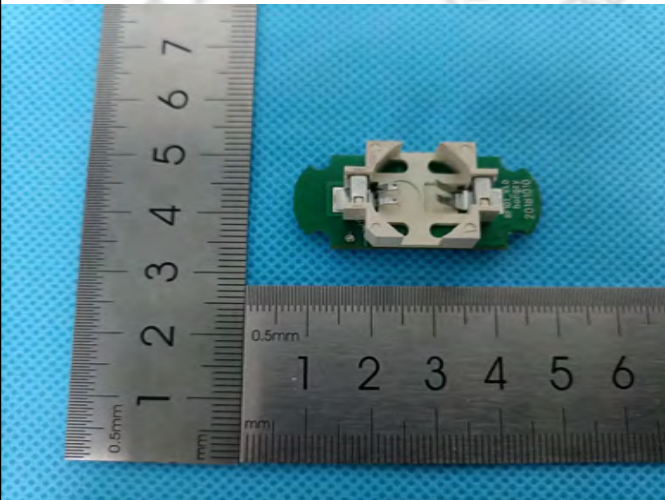


Photo12

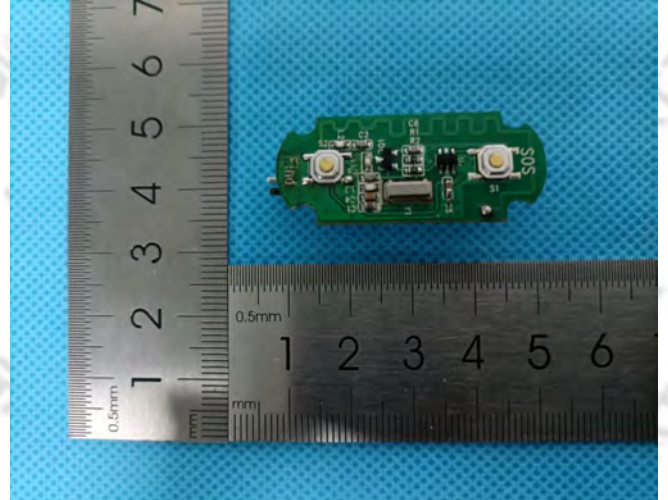
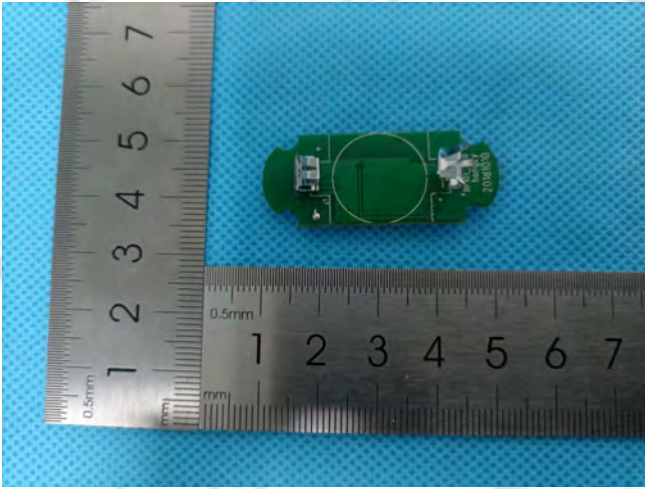


Photo13

N/A



N/A

※※※※END OF THE REPORT※※※※