Shenzhen Global Test Service Co.,Ltd.
No.7-101 and 8A-104, Building 7 and 8, DCC Cultural and Creative Garden, No.98, Pingxin North Road, Shangmugu Community, Pinghu Street, Longgang District, Shenzhen, Guangdong

FCC PART 15 SUBPART C TEST REPORT

FCC CFR 47 PART 95

Report Reference No.....:	**GTS20250312001-1-01**
FCC ID..... :	**2BN9Z-DM08**
Compiled by (position+printed name+signature) .:	File administrators Peter Xiao
Supervised by (position+printed name+signature) .:	Test Engineer Evan Ouyang
Approved by (position+printed name+signature) .:	Manager Jason Hu
Date of issue .....:	March. 19, 2025
Representative Laboratory Name.:	**Shenzhen Global Test Service Co.,Ltd.**
Address.....:	No.7-101 and 8A-104, Building 7 and 8, DCC Cultural and Creative Garden, No.98, Pingxin North Road, Shangmugu Community, Pinghu Street, Longgang District, Shenzhen, Guangdong,China
Applicant's name.....:	**Shenzhen Fengchuangda International Trade Co., Ltd.**
Address .....:	Room 201D, 2nd Floor, Building 1, Dezhong E-commerce Industrial Park, No. 7 Lipu Street, Dafapu Community, Bantian Street, Longgang District, Shenzhen, China
Test specification .....:	
Standard.....:	FCC CFR 47 PART 95
TRF Originator.....:	Shenzhen Global Test Service Co.,Ltd.
Master TRF .....:	Dated 2014-12

Test item description .....:	WALKIE TALKIE
Trade Mark .....:	N/A
Manufacturer .....:	Shenzhen Fengchuangda International Trade Co., Ltd.
Model/Type reference .....:	DM08
Listed Models .....:	DM08C, DM08L, DM08LC, DM01, DM01C, DM29, DM29C, DM31, DM31C, DM36, DM36C, DM27, DM27C, DM37, DM37C, DM51, DM51C, DM52, DM52C, DM53, DM53C, DM54, DM54C, DM55, DM55C, DM62, DM62C
Modulation Type.....:	FM
Operation Frequency.....:	From 462.7125MHz
Hardware Version .....:	N/A
Software Version.....:	N/A
Rating .....:	DC 4.5V by 3 * AAA
Result .....:	**PASS**

TEST REPORT

Test Report No. :	**GTS20250312001-1-01**	March. 19, 2025 Date of issue

Equipment under Test	:	WALKIE TALKIE
Model /Type	:	DM08
Listed model	:	DM08C, DM08L, DM08LC, DM01, DM01C, DM29, DM29C, DM31, DM31C, DM36, DM36C, DM27, DM27C, DM37, DM37C, DM51, DM51C, DM52, DM52C, DM53, DM53C, DM54, DM54C, DM55, DM55C, DM62, DM62C
Applicant	:	**Shenzhen Fengchuangda International Trade Co., Ltd.**
Address	:	Room 201D, 2nd Floor, Building 1, Dezhong E-commerce Industrial Park, No. 7 Lipu Street, Dafapu Community, Bantian Street, Longgang District, Shenzhen, China
Manufacturer	:	**Shenzhen Fengchuangda International Trade Co., Ltd.**
Address	:	Room 201D, 2nd Floor, Building 1, Dezhong E-commerce Industrial Park, No. 7 Lipu Street, Dafapu Community, Bantian Street, Longgang District, Shenzhen, China

Test Result:	**PASS**

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Contents

1. TEST STANDARDS

The tests were performed according to following standards:

FCC Rules Part 95: PERSONAL RADIO SERVICES.
ANSI/TIA-603-E-2016: Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.
FCC Part 2: FREQUENCY ALLOCA-TIONS AND RADIO TREATY MAT-TERS; GENERAL RULES AND REG-ULATIONS

2 . SUMMARY

2.1. General Remarks

Date of receipt of test sample	:	Mar. 12, 2025
Testing commenced on	:	Mar. 13, 2025
Testing concluded on	:	Mar. 18, 2025

2.2. Product Description

Product Name:	WALKIE TALKIE
Trade Mark:	N/A
Model/Type reference:	DM08
List Model:	DM08C, DM08L, DM08LC, DM01, DM01C, DM29, DM29C, DM31, DM31C, DM36, DM36C, DM27, DM27C, DM37, DM37C, DM51, DM51C, DM52, DM52C, DM53, DM53C, DM54, DM54C, DM55, DM55C, DM62, DM62C
Model Declaration	N/A
Power supply:	DC 4.5V by 3 * AAA
Hardware Version	N/A
Software Version	N/A
Sample ID	GTS20250312001-1-S0001-1#, GTS20250312001-1-S0001-2#
FRS	
Frequency Range	462.7125MHz
Channel Number	1 channel
Channel Spacing	12.5KHz
Modulation Type	FM
Antenna Description	Spring antenna, -1.70 Bi(Max.)

2.3. Equipment Under Test

Power supply system utilised

Power supply voltage	:	○	230V / 50 Hz	○	120V / 60Hz
		○	12 V DC	○	24 V DC
		●	Other (specified in blank below)		

DC 4.5V

2.4. Short description of the Equipment under Test (EUT)

This is a outdoor bullet IP camera .
For more details, refer to the user's manual of the EUT.

2.5. EUT operation mode

The EUT has been tested under typical operating condition. As, test modes selected as below by the technical parameters of the EUT:

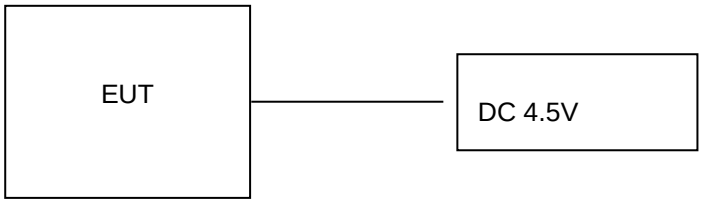
Mode of Operations	Frequency Range (MHz)	Data Rate (Mbps)
(FM)	462.7125	1
For Conducted Emission		
Test Mode	TX Mode	
For Radiated Emission		
Test Mode	TX Mode	

Channel	Frequency(MHz)
1	462.7125

Note1: In section, regards to the operating frequency range less than 1MHz, only one point centered in the frequency range of operation selected to measure.

Note2: The line display in grey was the channel selected for test. The tests for frequencies 462.7125MHz are manufacturer's requirements.

2.6. Block Diagram of Test Setup



2.7. EUT Exercise Software

The EUT has been tested under typical operating condition and The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

2.8. Special Accessories

Manufacturer	Description	Model	Serial Number	Certificate
--	--	--	--	--

2.9. External I/O Cable

I/O Port Description	Quantity	Cable
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2.10. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for **FCC ID: 2BN9Z-DM08** filing to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

2.11. Modifications

No modifications were implemented to meet testing criteria.

3. TEST ENVIRONMENT

3.1. Address of the test laboratory

Shenzhen Global Test Service Co.,Ltd.
No.7-101 and 8A-104, Building 7 and 8, DCC Cultural and Creative Garden, No.98, Pingxin North Road, Shangmugu Community, Pinghu Street, Longgang District, Shenzhen, Guangdong,China.

3.2. Test Facility

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

CNAS (No. CNAS L8169)
Shenzhen Global Test Service Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2019 General Requirements) for the Competence of Testing and Calibration Laboratories.
A2LA (Certificate No. 4758.01)
Shenzhen Global Test Service Co., Ltd. has been assessed by the American Association for Laboratory Accreditation (A2LA). Certificate No. 4758.01.
Industry Canada Registration Number. is 24189.
FCC Designation Number is CN1234.
FCC Registered Test Site Number is165725.

3.3. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15-35 ° C
Humidity:	30-60 %
Atmospheric pressure:	950-1050mbar

3.4. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 „Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements“ and is documented in the Shenzhen Global Test Service Co.,Ltd. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.
Hereafter the best measurement capability for Shenzhen GTS laboratory is reported:

Test	Range	Measurement Uncertainty	Notes
Radiated Emission	25~1000MHz	4.10 dB	(1)
Radiated Emission	1~18GHz	4.32 dB	(1)
Radiated Emission	18-40GHz	5.54 dB	(1)
Conducted Disturbance	0.15~30MHz	3.12 dB	(1)

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3.5. Test Description

Applied Standard: FCC Part 95				
FCC Rules	Description of Test	Test Sample	Result	Remark
FCC Part 2.1046 FCC Part 95.567 M	Maximum Transmitter Power	GTS20250312001-1-S0001-1#	Compliant	Note 1
FCC Part 2.1047 FCC Part 95.575	Modulation Characteristic	GTS20250312001-1-S0001-1#	Compliant	Note 1
FCC Part 2.1049 FCC Part 95.573 FCC Part 95.579	Occupied Bandwidth and Emission Mask	GTS20250312001-1-S0001-1#	Compliant	Note 1
FCC Part 2.1053 FCC Part 95.579	Radiated Spurious Emission	GTS20250312001-1-S0001-1# GTS20250312001-1-S0001-2#	Compliant	Note 1
FCC Part 2.1055（d） FCC Part 95.565	Frequency Stability	GTS20250312001-1-S0001-1#	Compliant	Note 1
FCC Part 2.1093	RF Exposure	/	Compliant	Note 2

Remark:
1. The measurement uncertainty is not included in the test result.
2. NA = Not Applicable; NP = Not Performed
3. Note 1 – Test results inside test report;
4. Note 2 – Test results in other test report (MPE Report).
5. We tested all test mode and recorded worst case in report

3.6. Equipments Used during the Test

Test Equipment	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Due Date
LISN	CYBERTEK	EM5040A	E1850400105	2024/07/13	2025/07/12
LISN	R&S	ESH2-Z5	893606/008	2024/07/13	2025/07/12
EMI Test Receiver	R&S	ESPI3	101841-cd	2024/07/14	2025/07/13
EMI Test Receiver	R&S	ESCI7	101102	2024/07/13	2025/07/12
Spectrum Analyzer	Agilent	N9020A	MY48010425	2024/08/28	2025/08/27
Spectrum Analyzer	R&S	FSV40	100019	2024/07/13	2025/07/12
Vector Signal generator	Agilent	N5181A	MY49060502	2024/07/13	2025/07/12
Signal generator	Agilent	N5182A	3610AO1069	2024/07/13	2025/07/12
Climate Chamber	ESPEC	EL-10KA	A20120523	2024/07/13	2025/07/12
Controller	EM Electronics	Controller EM 1000	N/A	N/A	N/A
Horn Antenna	Schwarzbeck	BBHA 9120D	01622	2024/07/13	2025/07/12
DRG Horn Antenna	A.H. SYSTEMS	SAS-574	571	2024/07/13	2025/07/12
Horn Antenna	ETS	3117	00086197	2024/07/13	2025/07/12
Active Loop Antenna	Beijing Da Ze Technology Co.,Ltd.	ZN30900C	15006	2024/07/13	2025/07/12
Bilog Antenna	Schwarzbeck	VULB9163	000976	2024/07/13	2025/07/12
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2024/07/13	2025/07/12
Amplifier	Schwarzbeck	BBV 9743	#202	2024/07/13	2025/07/12
Amplifier	Schwarzbeck	BBV9179	9719-025	2024/07/13	2025/07/12
Amplifier	EMCI	EMC051845B	980355	2024/07/13	2025/07/12
Temperature/Humidity Meter	Gangxing	CTH-608	02	2024/07/13	2025/07/12
High-Pass Filter	K&L	9SH10-2700/X12750-O/O	KL142031	2024/08/30	2025/08/29
High-Pass Filter	K&L	41H10-1375/U12750-O/O	KL142032	2024/08/30	2025/08/29
RF Cable(below 1GHz)	HUBER+SUHNER	RG214	RE01	2024/07/13	2025/07/12
RF Cable(above 1GHz)	HUBER+SUHNER	RG214	RE02	2024/07/13	2025/07/12
Data acquisition card	Agilent	U2531A	TW53323507	2024/07/13	2025/07/12
Power Sensor	Agilent	U2021XA	MY5365004	2024/07/13	2025/07/12
Test Control Unit	Tonscend	JS0806-1	178060067	2024/07/13	2025/07/12
Automated filter bank	Tonscend	JS0806-F	19F8060177	2024/07/13	2025/07/12
Radio Communication Tester	HP	8920A	116287	2024/07/13	2025/07/12
EMI Test Software	Tonscend	JS1120-1	Ver 2.6.8.0518	/	/

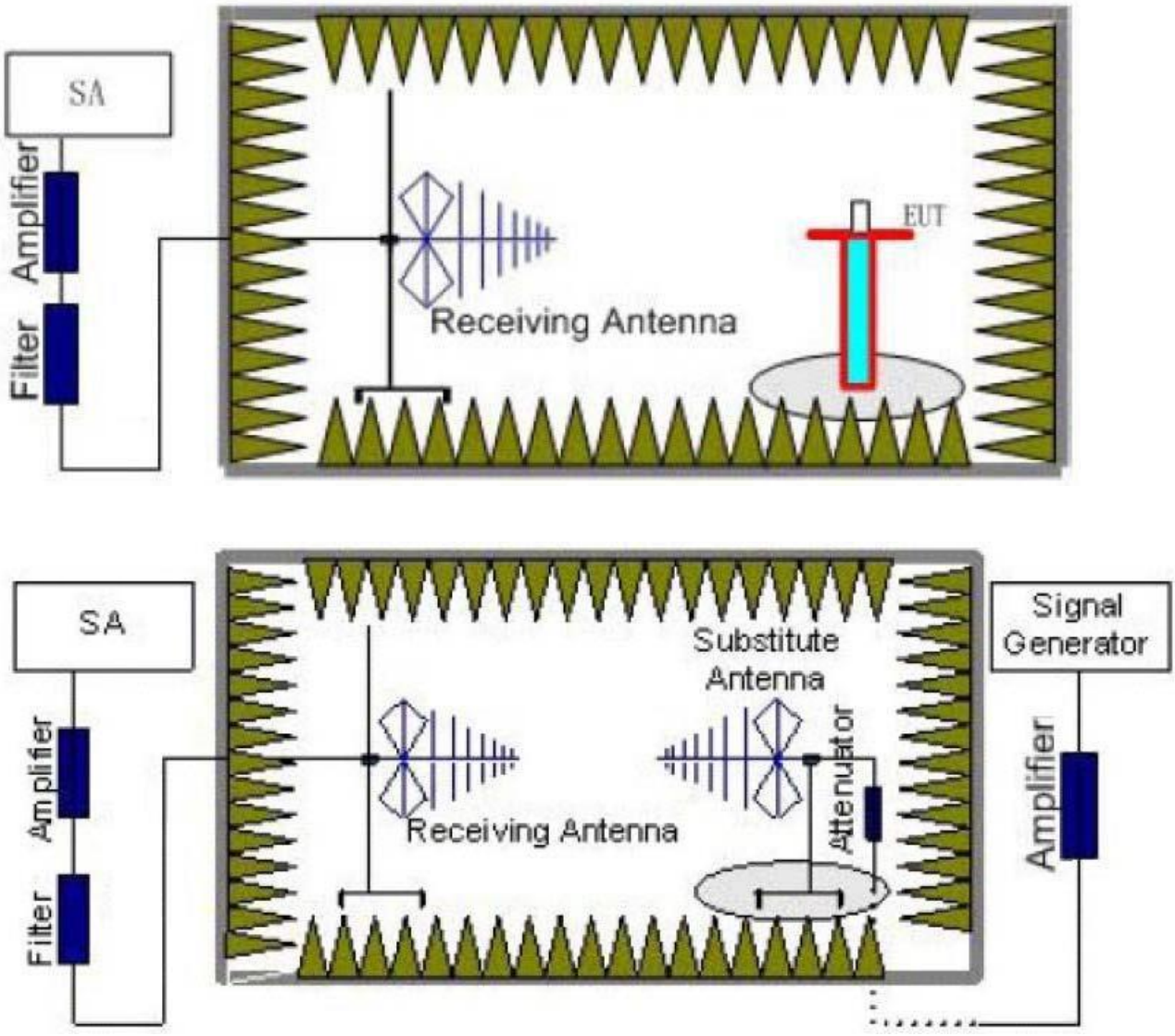
EMI Test Software	Tonscend	JS1120-3	Ver 2.5.77.0418	/	/
EMI Test Software	Tonscend	JS32-CE	Ver 2.5	/	/
EMI Test Software	Tonscend	JS32-RE	Ver 2.5.1.8	/	/

Note: 1. The Cal.Interval was one year.

4. TEST CONDITIONS AND RESULTS

4.1. Maximum Transmitter Power

Block Diagram of Test Setup



TEST PROCEDURE

1.EUT was placed on a 1.5meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.5m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization.
The radiated emission measurements of all test transmit frequencies were measured with peak detector.

2.A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.

3.The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=1MHz, VBW=3MHz, and the maximum value of the receiver should be recorded as (Pr).

4.The EUT shall be replaced by a substitution antenna. In the chamber, a substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band ofinterest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

5.An amplifier may be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (Pcl), the Substitution Antenna Gain (Ga) and the Amplifier Gain (PAg) should be recorded after test.
The measurement results are obtained as described below:
Power (EIRP) = PMea + PAg - Pcl + Ga

6.This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15dBi) and known input power.

7.ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP2.15dBi.

AC Power Conducted Emission Limit

According to FCC Part 95.567:
Each FRS transmitter type must be designed such that the effective radiated power (ERP) on channels 8 through 14 does not exceed 0.5 Watts and the ERP on channels 1 through 7 and 15 through 22 does not exceed 2.0 Watts.

TEST RESULTS

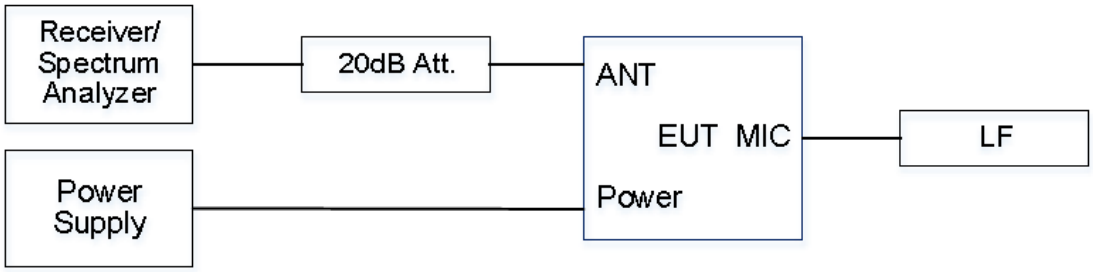
Temperature	24℃	Humidity	51%
Test Engineer	Evan Ouyang	Configurations	FRS

Test Frequency (MHz)	PMea (dBm)	Pcl (dB)	Ga Antenna Gain (dBi)	Correction (dB)	PAg (dB)	ERP (dBm)	ERP (W)	Polarization	Limit (W)
462.7125	-31.53	2.08	7.69	2.15	34.59	6.52	0.0045	V	2.0
462.7125	-31.76	2.08	7.75	2.15	34.59	6.35	0.0043	H	2.0

Remark:
1.EIRP=PMea(dBm) +PAg(dB) -Pcl(dB) +Ga(dBi)
2.ERP = EIRP – 2.15 dBi as EIRP by subtracting the gain of the dipole.
3.The field strength of radiation emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The data show in this report only with the worst case setup. After exploratory measurement the worst case of Z axis and receiver antenna at vertical polarization was reported.

4.2. Occupied Bandwidth and Emission Mask

TEST CONFIGURATION



TEST PROCEDURE

1.The EUT was modulated by 2.5 KHz Sine wave audio signal; the level of the audio signal employed is 16 dB greater than that necessary to produce 50% of rated system deviation. Rated system deviation is 2.5 kHz (12.5 kHz channel spacing) and 5 kHz (25 kHz channel spacing).

2.Set SPA Center Frequency = fundamental frequency, RBW=300Hz, VBW= 3 KHz, span =50 KHz.

3.Set SPA Max hold. Mark peak, Set 99% Occupied Bandwidth and 26dB Occupied Bandwidth.

RADIATION LIMIT

According to FCC 95.573:
Each FRS transmitter type must be designed such that the occupied bandwidth does not exceed 12.5kHz.

According to FCC 95.579:
Attenuation requirements. The power of unwanted emissions must be attenuated below the carrier power output in Watts (P) by at least:
1.25 dB (decibels) in the frequency band 6.25 kHz to 12.5 kHz removed from the channel center frequency.

2.35 dB in the frequency band 12.5 kHz to 31.25 kHz removed from the channel center frequency.

3.43 + 10 log (P) dB in any frequency band removed from the channel center frequency by more than 31.25 kHz.

TEST RESULTS

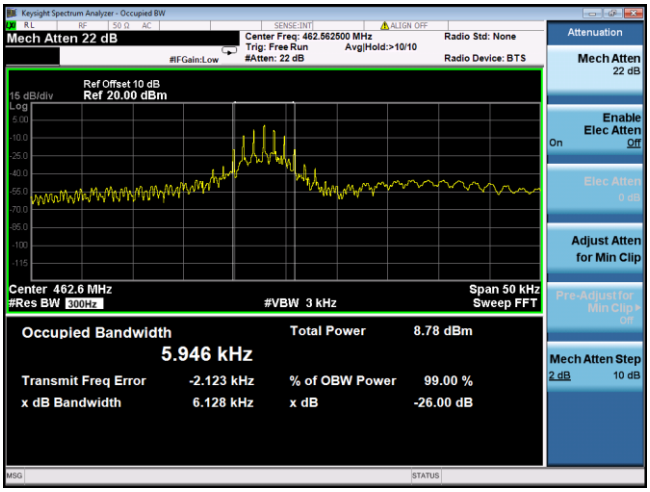
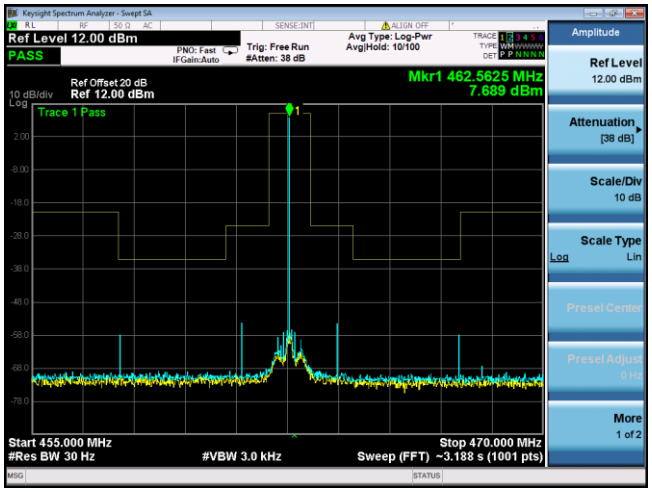
Temperature	24℃	Humidity	48%
Test Engineer	Evan Ouyang	Configurations	FRS

Occupied Bandwidth:

Emission Type	Frequency (MHz)	99% OBW (kHz)	26dB bandwidth (kHz)	Limit (KHz)	Result
F3E	462.7125	5.946	6.128	12.5	Pass

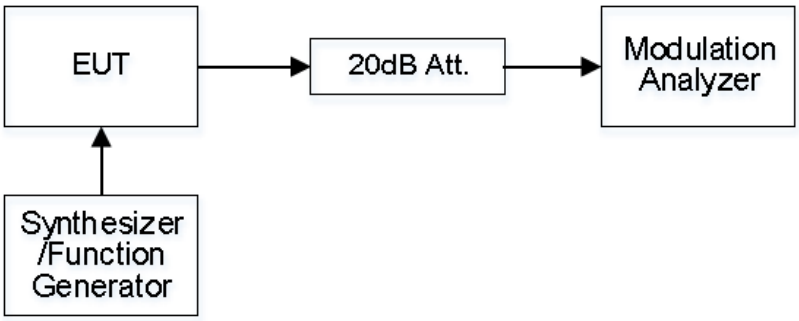
Emission Designator
Per CFR 47 §2.201& §2.202, BW = 2M + 2D for FM Mode (Channel Spacing: 12.5 kHz) Emission Designator 11K0F3E
In this case, the maximum modulating frequency is 3.0 kHz with a 2.5 kHz deviation. BW = 2(M+D) = 2*(3.0 kHz + 2.5 kHz) = 11 kHz = 11K0
F3E portion of the designator represents an FM voice transmission
Therefore, the entire designator for 12.5 kHz channel spacing FM mode is 11K0F3E.

Please refer to following page.

Test Plot of Occupied Bandwidth and Emission Mask	
Occupied Bandwidth	Emission Mask
	
Channel 1: 462.7125MHz	

4.3. Modulation Characteristic

TEST CONFIGURATION



TEST PROCEDURE

According to ANSI/TIA-603-E-2016

LIMIT

According to CFR47 section 2.1047(a), for Voice Modulation Communication Equipment, the frequency response of the audio modulation circuit over a range of 100 to 5000Hz shall be measured.

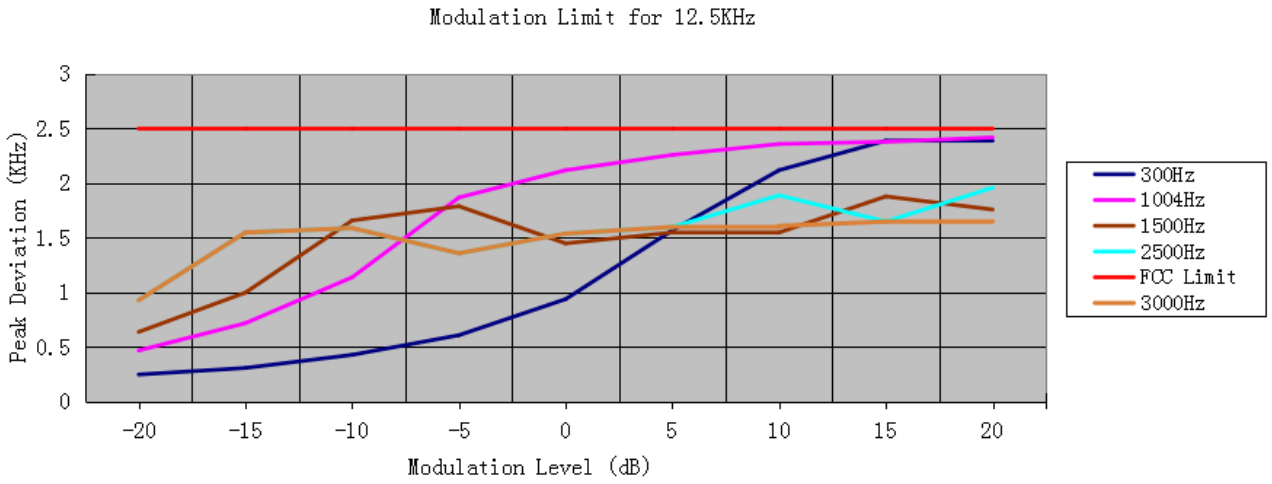
According to FCC 95.575:
Each FRS transmitter type must be designed such that the peak frequency deviation does not exceed 2.5 kHz, and the highest audio frequency contributing substantially to modulation must not exceed 3.125 kHz.

TEST RESULTS

Temperature	24℃	Humidity	48%
Test Engineer	Evan Ouyang	Configurations	FRS

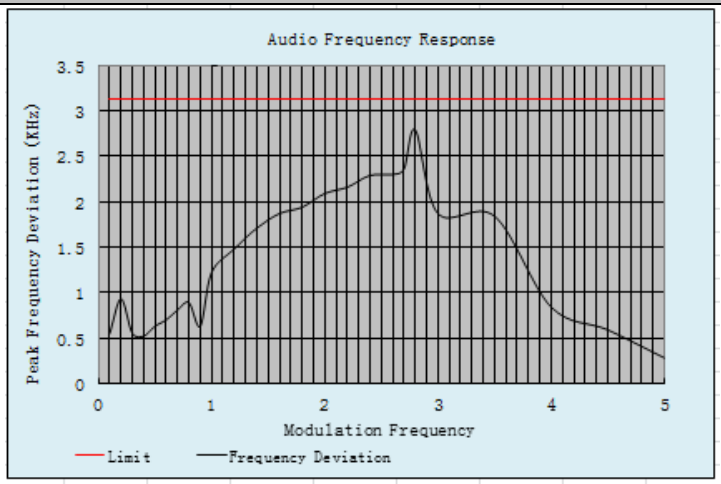
Modulation Limit:

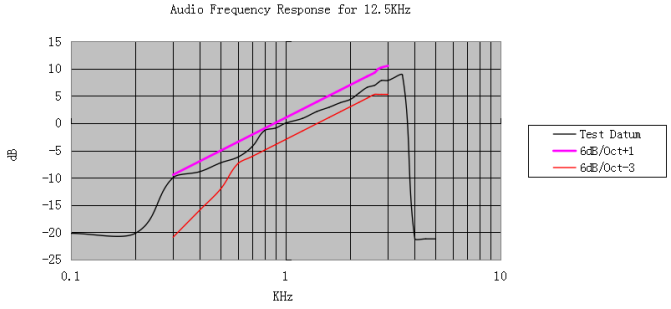
Channel 1: 462.7125MHz					
Modulation Level (dB)	Peak Freq. Deviation At 300Hz (KHz)	Peak Freq. Deviation At 1004Hz (KHz)	Peak Freq. Deviation At 1500Hz (KHz)	Peak Freq. Deviation At 2500Hz (KHz)	Peak Freq. Deviation At 3000Hz (KHz)
-20	0.25	0.47	0.64	0.93	0.93
-15	0.31	0.72	1	1.55	1.55
-10	0.43	1.14	1.66	1.59	1.59
-5	0.61	1.87	1.79	1.36	1.36
0	0.94	2.12	1.45	1.54	1.54
+5	1.57	2.26	1.55	1.6	1.60
+10	2.12	2.36	1.55	1.89	1.61
+15	2.39	2.38	1.88	1.65	1.65
+20	2.4	2.42	1.76	1.96	1.66



Audio Frequency Response:

Channel 1: 462.7125MHz			
Modulation Frequency (Hz)	Peak Freq. Deviation (KHz)	Audio Frequency Response (dB)	Limit (KHz)
100	-9.45	-20.21	3.125
200	-6.97	-20.21	3.125
300	-9.30	-9.98	3.125
400	-6.70	-8.88	3.125
500	-5.1	-7.26	3.125
600	-3.4	-6.23	3.125
700	-2.09	-4.29	3.125
800	-0.93	-1.32	3.125
900	0.08	-0.88	3.125
1000	1	0	3.125
1200	2.58	0.89	3.125
1400	3.92	2.15	3.125
1600	5.08	2.95	3.125
1800	6.10	3.77	3.125
2000	7.02	4.36	3.125
2200	7.84	5.54	3.125
2400	8.60	6.58	3.125
2600	9.2	6.97	3.125
2700	9.94	7.45	3.125
2800	10.2	7.85	3.125
3000	10.54	7.86	3.125
3500	10.02	8.86	3.125
4000	10.44	-21.21	3.125
4500	10.10	-21.23	3.125
5000	10.95	-21.23	3.125

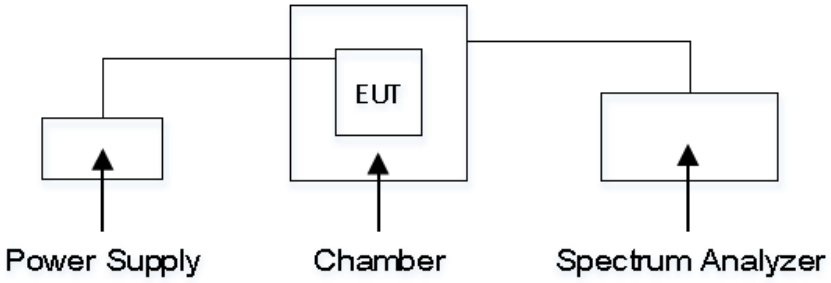




Note: All the modes had been tested, but only the worst data recorded in the report.

4.4. Frequency Stability

TEST CONFIGURATION



TEST PROCEDURE

The EUT was set in the climate chamber and connected to an external DC power supply. The RF output was directly connected to Spectrum Analyzer. The coupling loss of the additional cables was recorded and taken in account for all the measurements. After temperature stabilization (approx. 20 min for each stage), the frequency for the lower, the middle and the highest frequency range was recorded. For Frequency stability Vs. Voltage the EUT was connected to a DC power supply and the voltage was adjusted in the required ranges. The result was recorded.

LIMIT

According to FCC 95.565
Each FRS transmitter type must be designed such that the carrier frequencies remain within ±2.5 parts-per-million of the channel center frequencies specified in §95.563 during normal operating conditions.

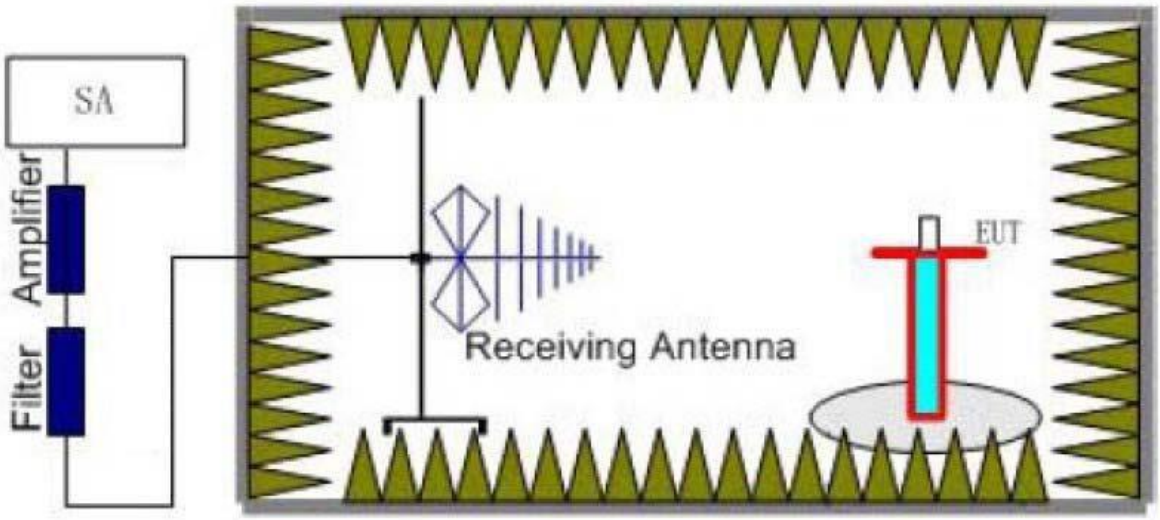
TEST RESULTS

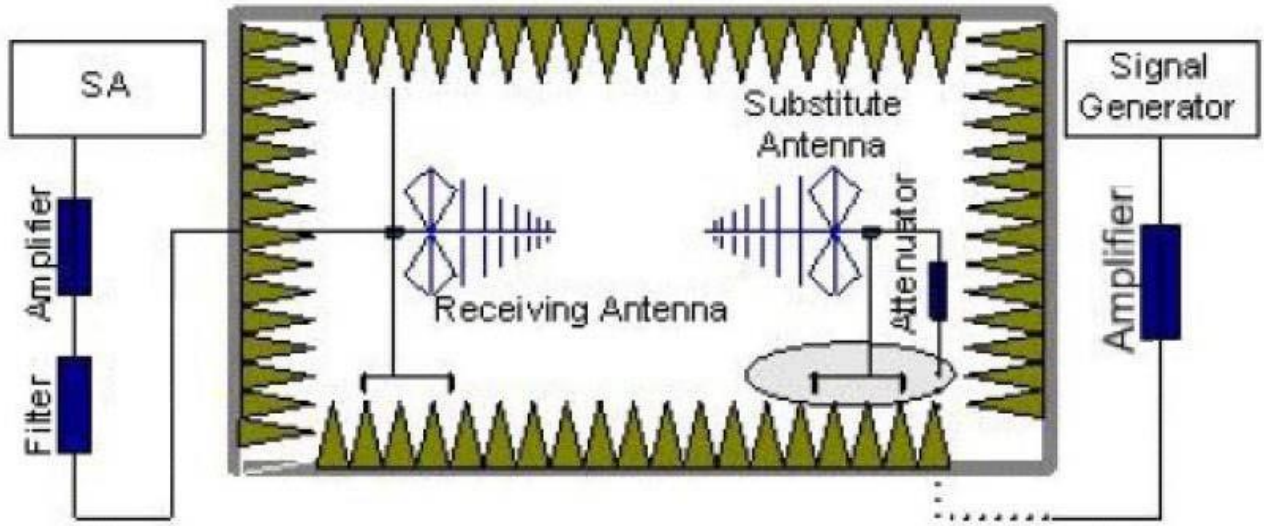
Temperature	24℃	Humidity	48%
Test Engineer	Evan Ouyang	Configurations	FRS

Reference Frequency: 462.7125MHz					
Voltage (V)	Temperature (℃)	Frequency error (Hz)	Frequency Tolerance (%)	Limit (%)	Result
4.05	-30	332	0.000099	0.00025%	Pass
	-20	474	0.000152		
	-10	279	0.000089		
	0	302	0.000175		
	10	264	0.000110		
	20	325	0.000121		
	30	366	0.000147		
	40	216	0.000078		
	50	277	0.000083		
4.5	25	380	0.000098		
4.5	25	366	0.000082		

4.5. Transmitter Radiated Spurious Emission

TEST CONFIGURATION





TEST PROCEDURE

1.EUT was placed on a 1.5 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.5m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization.
The radiated emission measurements of all test transmit frequencies were measured with peak detector.

2.A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.

3.The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum 100 kHz below 1GHz and 1MHz above 1GHz, Sweep from 30MHz to the 10th harmonic of the fundamental frequency; and recorded the level of the concerned spurious emission point as (Pr).

4.The EUT then replaced by a substitution antenna. In the chamber, a substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

5.The measurement results are obtained as described below:
Power (EIRP) = PMea - Pcl + Ga
Where;
PMea is the recorded signal generator level
Pcl is the cable loss connect between instruments Ga Substitution Antenna Gain

6.This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15dBi) and known input power.

7.ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP -2.15dBi.

8.Test site anechoic chamber refer to ANSI C63.10.

LIMIT

According to FCC section 95.579, At least 43 + 10 log (Transmit Power) dB on any frequency band removed from the channel center frequency by more than 31.25 kHz.

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Test Frequency (MHz)	Frequency (MHz)	PMea (dBm)	Pcl (dB)	Distance (m)	Ga Antenna Gain(dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Pol.
462.7125	149.54	-46.71	3.73	3.00	8.51	-41.93	-13.00	-28.03	V
	234.67	-46.98	4.27	3.00	7.17	-44.08	-13.00	-31.08	V
	556.96	-42.85	3.77	3.00	8.56	-38.06	-13.00	-25.06	V
	906.38	-44.40	4.27	3.00	7.14	-41.53	-13.00	-28.53	V

Remark:
1.EIRP = PMea(dBm) - Pcl(dB) + Ga(dBi)
2.Margin = Limit - EIRP
3.The Report only recorded the worst result（462.7125MHz）.
4.The measurement frequency range is from 25MHz to the 10th harmonic of the fundamental frequency，and only recorded worst spurious emissions.

5. TEST SETUP PHOTOS OF THE EUT

Photo of Radiated Emissions Measurement

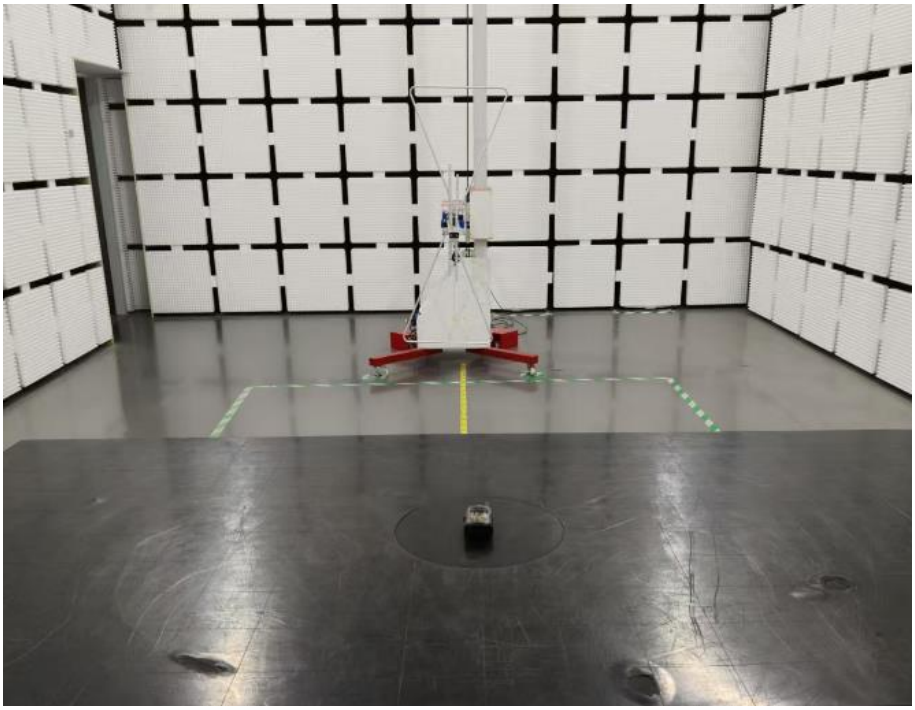

Figure 1

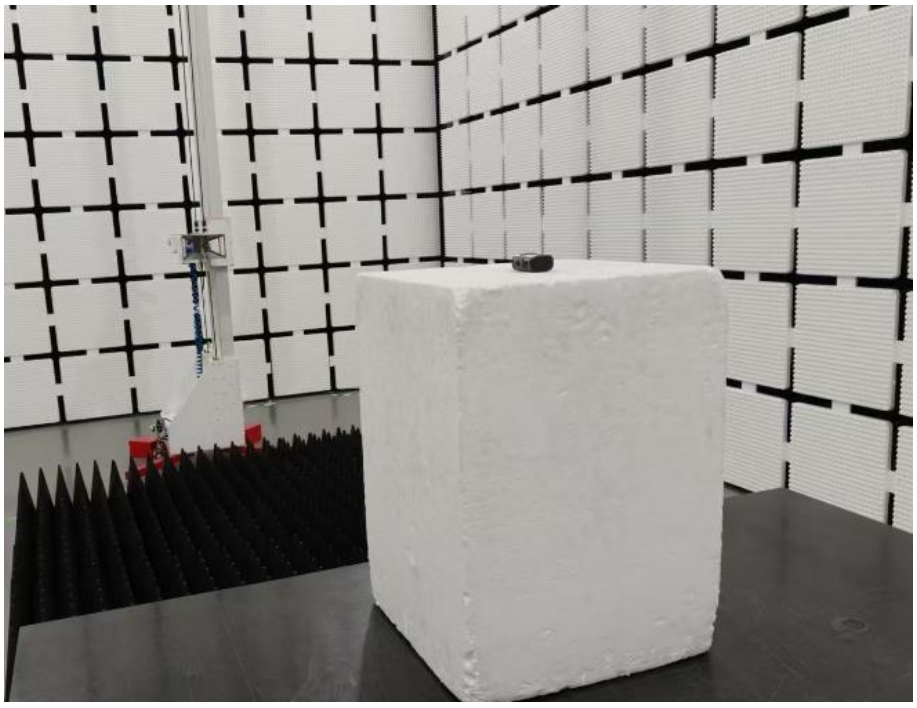

Figure 2

6. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

Figure 3

Figure 4

Figure 5

Figure 6

Figure 7

Figure 8

Figure 9

Figure 10

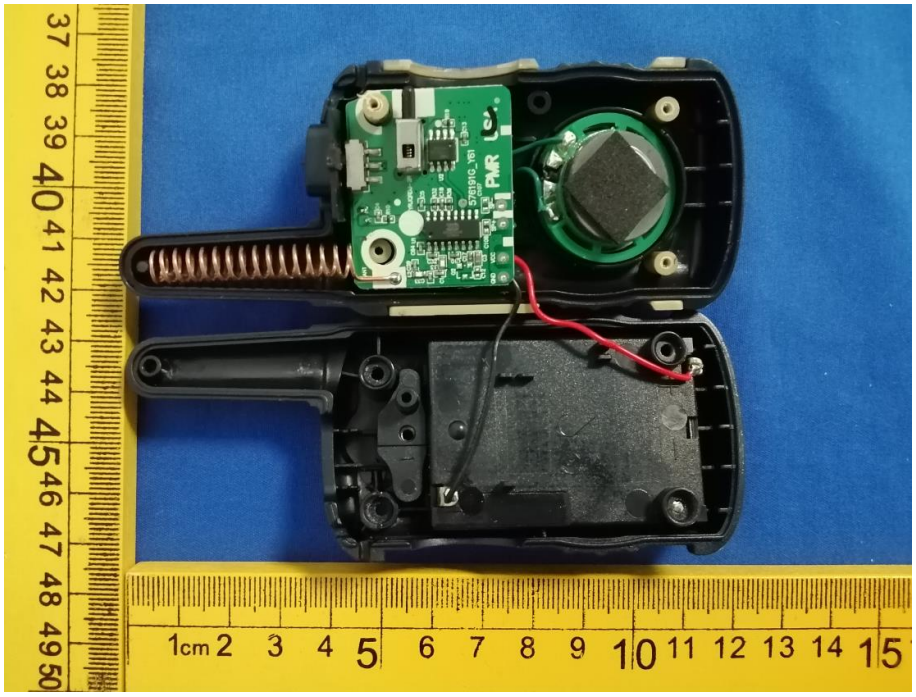

Figure 11

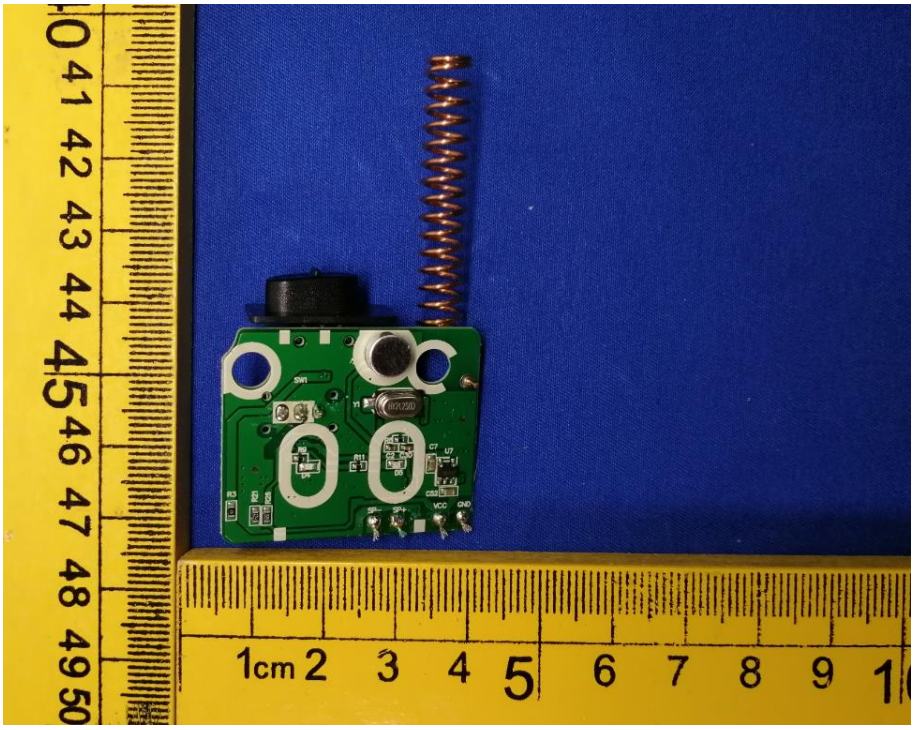

Figure 12

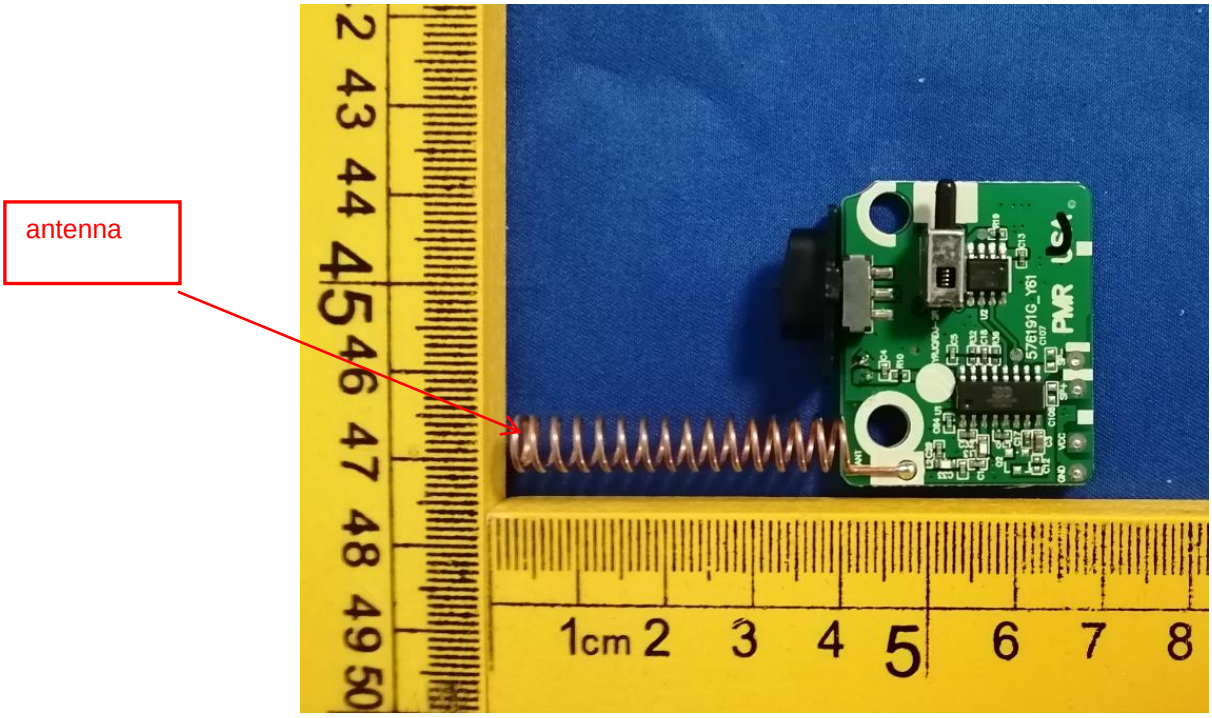

Figure 13

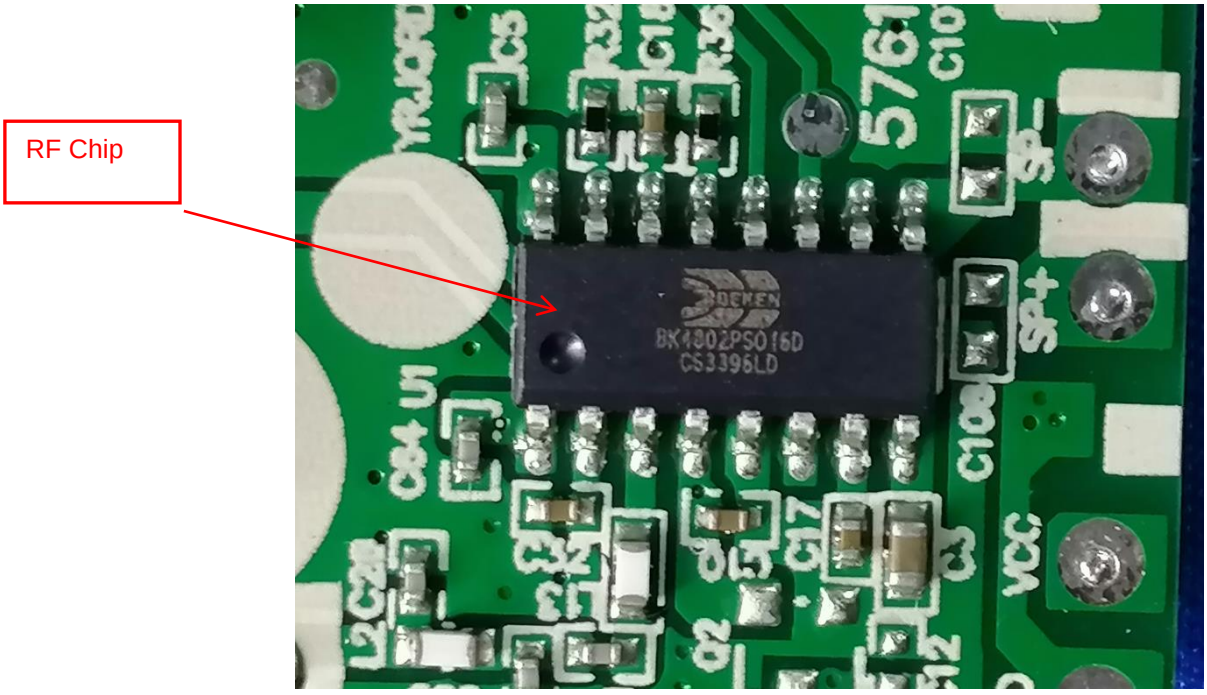

Figure 14

.....End of Report.....