Shenzhen CTL Testing Technology Co., Ltd.
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TEST REPORT

FCC PART 15.247

Report Reference No. ..... :	**CTL2406253011-WF01**	
Original Report No ..... :	**CTL2307203011-WF01**	
Compiled by: (position+printed name+signature)	Happy Guo (File administrators)	
Tested by: (position+printed name+signature)	Yapeng Jin (Test Engineer)	
Approved by: (position+printed name+signature)	Ivan Xie (Manager)	

Product Name ..... :	IP Phone
Model/Type reference ..... :	P10W
List Model(s)..... :	P11W
Trade Mark..... :	FLYINGVOICE
FCC ID..... :	**2AL9D-P10W**
Applicant's name ..... :	**Flyingvoice Network Technology Co., Ltd**
Address of applicant ..... :	Room 01-02, Floor 18, Building 1, Nanshan Zhiyuan, Chongwen Park, Taoyuan Street, Nanshan District, Shenzhen, China
Test Firm..... :	**Shenzhen CTL Testing Technology Co., Ltd.**
Address of Test Firm ..... :	Floor 1-A, Baisha Technology Park, No.3011, Shahexi Road, Nanshan District, Shenzhen, China 518055
Test specification..... :	
Standard ..... :	**FCC Part 15.247:** Operation within the bands 902-928 MHz, 2400-2483.5 MHz and 5725-5850 MHz.
TRF Originator ..... :	Shenzhen CTL Testing Technology Co., Ltd.
Master TRF..... :	Dated 2011-01
Date of receipt of test item ..... :	Aug.04, 2023
Date of Test Date..... :	Aug.04, 2023-July.21, 2024
Date of Issue ..... :	July.22, 2024
Result..... :	**Pass**

TEST REPORT

Test Report No. :	CTL2406253011-WF01	July.22, 2024 Date of issue

Equipment under Test	:	IP Phone
Sample No	:	CTL2307203011
Model /Type	:	P10W
Listed Models	:	P11W
Applicant	:	**Flyingvoice Network Technology Co., Ltd**
Address	:	Room 01-02, Floor 18, Building 1, Nanshan Zhiyuan, Chongwen Park, Taoyuan Street, Nanshan District, Shenzhen, China
Manufacturer	:	**Flyingvoice Network Technology Co., Ltd**
Address	:	Room 01-02, Floor 18, Building 1, Nanshan Zhiyuan, Chongwen Park, Taoyuan Street, Nanshan District, Shenzhen, China

Test result	Pass *

* In the configuration tested, the EUT complied with the standards specified page 5.

The test results presented in this report relate only to the object tested.
This report shall not be reproduced, except in full, without the written approval of the issuing testing laboratory.

** Modified History **

Revisions	Description	Issued Data	Report No.	Remark
Version 1.0	Initial Test Report Release	2023-09-08	CTL2307203011-WF01	Tracy Qi
Version 2.0	Adapter Update	2024-07-22	CTL2406253011-WF01	Tracy Qi

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1. SUMMARY

1.1. TEST STANDARDS

The tests were performed according to following standards:

FCC Rules Part 15.247: Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz

ANSI C63.10: 2013: American National Standard for Testing Unlicensed Wireless Devices

KDB 558074 D01 v05r02: KDB558074 D01 15.247 Meas Guidance v05r02

1.2. Test Description

FCC PART 15.247		
FCC Part 15.207	AC Power Conducted Emission	PASS
FCC Part 15.247(a)(2)	6dB Bandwidth	N/A
FCC Part 15.247(d)	Spurious RF Conducted Emission	N/A
FCC Part 15.247(b)	Maximum Conducted Output Power	N/A
FCC Part 15.247(e)	Power Spectral Density	N/A
FCC Part 15.109/ 15.205/ 15.209	Radiated Emissions	PASS
FCC Part 15.247(d)	Band Edge	N/A
FCC Part 15.203/15.247 (b)	Antenna Requirement	N/A

1.3. Test Facility

1.3.1 Address of the test laboratory

Shenzhen CTL Testing Technology Co.,Ltd.
Floor 1-A, Baisha Technology Park, No. 3011, Shahexi Road, Nanshan, Shenzhen 518055 China

There is one 3m semi-anechoic chamber and two line conducted labs for final test. The Test Sites meet the requirements in documents ANSI C63.10 and CISPR 22/EN 55022 requirements.

1.3.2 Laboratory accreditation

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

CNAS-Lab Code: L7497

Shenzhen CTL Testing Technology 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: 2017 General Requirements) for the Competence of Testing and Calibration Laboratories.

A2LA-Lab Cert. No. 4343.01

Shenzhen CTL Testing Technology Co., Ltd, EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

IC Registration No.: 9618B

CAB identifier: CN0041

The 3m alternate test site of Shenzhen CTL Testing Technology Co., Ltd. EMC Laboratory has been registered by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements with Registration No.: 9618B.

FCC-Registration No.: 399832

Designation No.: CN1216

Shenzhen CTL Testing Technology Co., Ltd. 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 399832.

1.4. 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 CTL Testing Technology 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 CTL laboratory is reported:

Test	Measurement Uncertainty	Notes
Transmitter power conducted	±0.57 dB	(1)
Transmitter power Radiated	±2.20 dB	(1)
Conducted spurious emission 9KHz-40 GHz	±2.20 dB	(1)
Occupied Bandwidth	±0.01ppm	(1)
Radiated Emission9KHz~30MHz	±3.66dB	(1)
Radiated Emission 30~1000MHz	±4.10dB	(1)
Radiated Emission Above 1GHz	±4.32dB	(1)
Conducted Disturbance0.15~30MHz	±3.20dB	(1)

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

1.5. Auxiliary test equipment information

Manufacturer	Description	Model	Serial Number
HUAWEI TECHNOLOGIES CO.LTD	Laptops	KPL-W00	---
HUAWEI TECHNOLOGIES CO.LTD	Adapter	HW-200200CP1	---
NETGEAR, Inc.	Router	RAX50	---

2. GENERAL INFORMATION

2.1. Environmental conditions

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

Normal Temperature:	25°C
Relative Humidity:	55 %
Air Pressure:	101 kPa

2.2. General Description of EUT

Product Name:	IP Phone
Model/Type reference:	P10W
Power supply:	Adapter 1: Model: KA0601A-0500600USS Input: 100-240V~, 50/60Hz, 0.2A Max Output: 5V/600mA Adapter 2: Model: KA0601A-0500600USS Input: 100-240V~, 50/60Hz, 0.2A Max Output: 5V/600mA
Hardware Version:	P1XW_V1_2-230505V0
Software Version:	FVUIADV_7628_V0.8.12_wt_4_202308291957_T.bin
2.4G WIFI	
Supported type:	802.11b/802.11g/802.11n(H20)/802.11n(H40)
Modulation:	802.11b: DSSS 802.11g/802.11n(H20)/802.11n(H40): OFDM
Operation frequency:	802.11b/802.11g/802.11n(H20): 2412MHz~2462MHz 802.11n(H40): 2422MHz~2452MHz
Channel number:	802.11b/802.11g/802.11n(H20): 11 802.11n(H40): 7
Channel separation:	802.11b/802.11g/802.11n(H20)/802.11n(H40)
Antenna type:	PIFA Antenna
Antenna gain:	2.11dBi

Note1: For more details, please refer to the user's manual of the EUT.
Note2: Antenna gain provided by the applicant.

2.3. Description of Test Modes and Test Frequency

The Applicant provides communication tools software to control the EUT for staying in continuous transmitting (Duty Cycle more than 98%) and receiving mode for testing.

There are 11 channels provided to the EUT and Channel 01/03/06/09/11 were selected for WIFI test.

Operation Frequency WIFI：

Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	**2412**	8	2447
2	2417	**9**	**2452**
3	**2422**	10	2457
4	2427	**11**	**2462**
5	2432		
6	**2437**		
7	2442		

Note: The line display in grey were the channel selected for testing

Data Rate Used:

Preliminary tests were performed in different data rate to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items	Mode	Data Rate	Channel
Maximum Conducted Output Power Power Spectral Density 6dB Bandwidth Spurious RF conducted emission Radiated Emission 9kHz~1GHz& Radiated Emission 1GHz~10th Harmonic	11b/DSSS	1 Mbps	1/6/11
	11g/OFDM	6 Mbps	1/6/11
	11n(20MHz)/OFDM	6.5Mbps	1/6/11
	11n(40MHz)/OFDM	13.5 Mbps	3/6/9
Band Edge	11b/DSSS	1 Mbps	1/11
	11g/OFDM	6 Mbps	1/11
	11n(20MHz)/OFDM	6.5Mbps	1/11
	11n(40MHz)/OFDM	13.5 Mbps	3/9

2.4. Equipments Used during the Test

Test Equipment	Manufacturer	Model No.	Serial No.	Calibration Date	Calibration Due Date
LISN	R&S	ESH2-Z5	860014/010	2024/04/30	2025/04/29
Double cone logarithmic antenna	Schwarzbeck	VULB 9168	824	2023/02/13	2026/02/12
EMI Test Receiver	R&S	ESCI	1166.5950.03	2024/04/30	2025/04/29
Spectrum Analyzer	Agilent	N9020A	US46220290	2024/05/02	2025/05/01
Spectrum Analyzer	Keysight	N9020A	MY53420874	2024/05/02	2025/05/01
Horn Antenna	Sunol Sciences Corp.	DRH-118	A062013	2021/12/23	2024/12/22
Active Loop Antenna	Da Ze	ZN30900A	/	2024/04/30	2025/04/29
Amplifier	Agilent	8449B	3008A02306	2024/04/30	2025/04/29
Amplifier	Brief&Smart	LNA-4018	2104197	2024/05/03	2025/05/02
Temperature/Humidity Meter	Ji Yu	MC501	/	2024/05/04	2025/05/03
Power measurement module	TSTPASS	TSPS2023R	TSCB220016	2024/05/03	2025/05/02
Power Sensor	Agilent	U2021XA	MY53340004	2024/05/04	2025/05/03
Power Sensor	Agilent	U2021XA	MY54080012	2024/05/03	2025/05/02
Spectrum Analyzer	RS	FSP	1164.4391.38	2024/05/03	2025/05/02

Test Software	
Name of Software	Version
TST-PASS	V2.0
EZ_EMC(Below 1GHz)	V1.1.4.2
EZ_EMC((Above 1GHz)	V1.1.4.2

2.5. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended to comply with Section 15.247 of the FCC Part 15, Subpart C Rules.

2.6. Modifications

No modifications were implemented to meet testing criteria.

3. TEST CONDITIONS AND RESULTS

3.1. Conducted Emissions Test

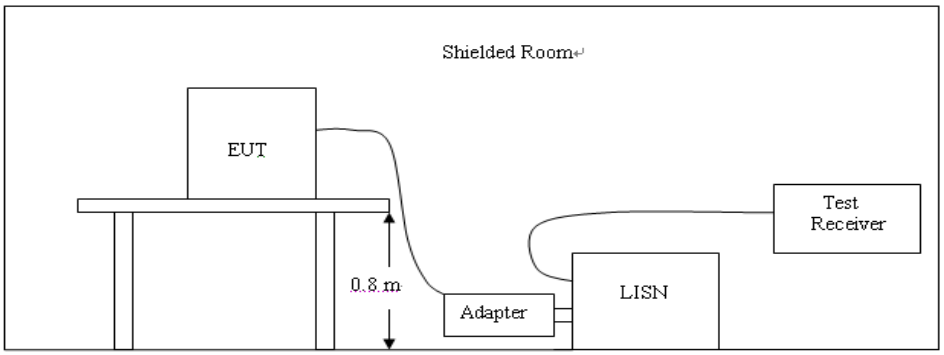
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.207

Frequency range (MHz)	Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

* Decreases with the logarithm of the frequency.

TEST CONFIGURATION



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 bObsweep Pet Hair Vision Plus Robot Vacuum Cleaner op system; a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10:2013.
2. Support equipment, if needed, was placed as per ANSI C63.10:2013.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10:2013.
4. The 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.
8. During the above scans, the emissions were maximized by cable manipulation.

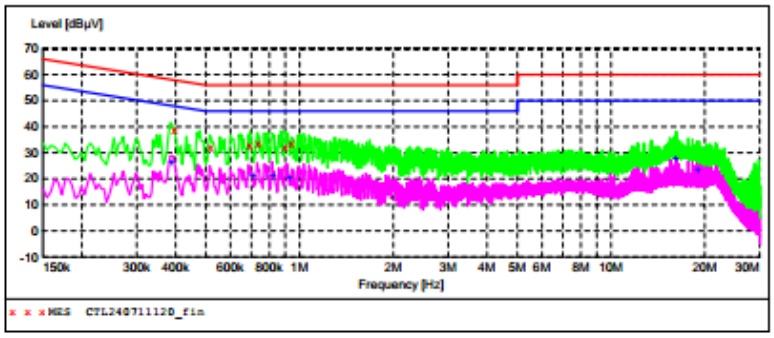
TEST RESULTS

Remark:802.11b/802.11g/802.11n(H20)/802.11n(H40) mode all have been tested ,only worse case is reported.

Adapter 1

Test Mode	WIFI	Line:	L

SCAN TABLE: "Voltage (9K-30M)FIN"
Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "CTL240711120_fin"

7/11/2024 9:50AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.397500	38.30	10.0	58	19.6	QP	L1	GND
0.519000	32.00	10.0	56	24.0	QP	L1	GND
0.690000	33.00	10.0	56	23.0	QP	L1	GND
0.739500	33.80	10.0	56	22.2	QP	L1	GND
0.901500	31.90	10.1	56	24.1	QP	L1	GND
0.942000	33.50	10.1	56	22.5	QP	L1	GND

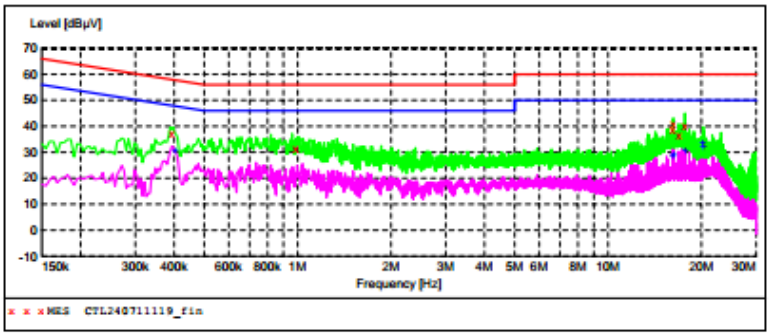
MEASUREMENT RESULT: "CTL240711120_fin2"

7/11/2024 9:50AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.388500	26.50	10.0	48	21.6	AV	L1	GND
0.708000	21.30	10.0	46	24.7	AV	L1	GND
0.820500	20.90	10.0	46	25.1	AV	L1	GND
0.924000	20.50	10.1	46	25.5	AV	L1	GND
16.165500	27.40	11.2	50	22.6	AV	L1	GND
18.915000	23.10	11.2	50	26.9	AV	L1	GND

Test Mode	WIFI	Line:	N

SCAN TABLE: "Voltage (9K-30M) FIN"
Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "CTL240711119_fin"

7/11/2024 9:46AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.393000	37.00	10.0	58	21.0	QP	N	GND
0.982500	31.40	10.1	56	24.6	QP	N	GND
16.165500	38.90	11.2	60	21.1	QP	N	GND
16.228500	41.00	11.2	60	19.0	QP	N	GND
16.903500	36.10	11.2	60	23.9	QP	N	GND
17.691000	39.80	11.2	60	20.2	QP	N	GND

MEASUREMENT RESULT: "CTL240711119_fin2"

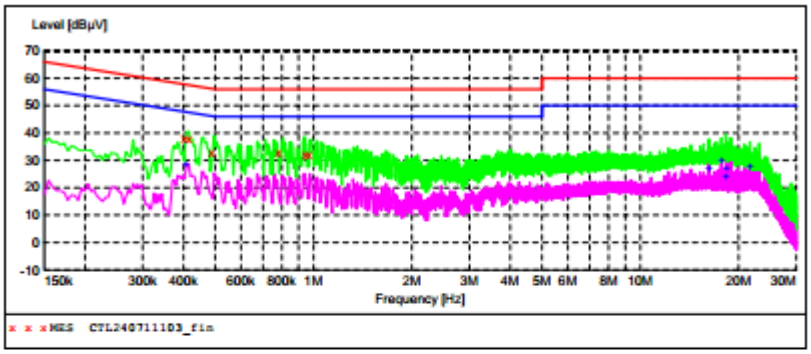
7/11/2024 9:46AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.402000	30.30	10.0	48	17.5	AV	N	GND
16.170000	28.60	11.2	50	21.4	AV	N	GND
16.228500	29.20	11.2	50	20.8	AV	N	GND
17.695500	30.80	11.2	50	19.2	AV	N	GND
20.260500	33.30	11.1	50	16.7	AV	N	GND
20.319000	32.30	11.1	50	17.7	AV	N	GND

Adapter 2

Test Mode	WIFI	Line:	L

SCAN TABLE: "Voltage (9K-30M)FIN"
Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "CTL240711103_fin"

7/11/2024 9:11AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.402000	37.70	10.0	58	20.1	QP	L1	GND
0.415500	38.10	10.0	58	19.4	QP	L1	GND
0.487500	33.00	10.0	56	23.2	QP	L1	GND
0.780000	32.70	10.0	56	23.3	QP	L1	GND
0.942000	31.70	10.1	56	24.3	QP	L1	GND
0.969000	31.90	10.1	56	24.1	QP	L1	GND

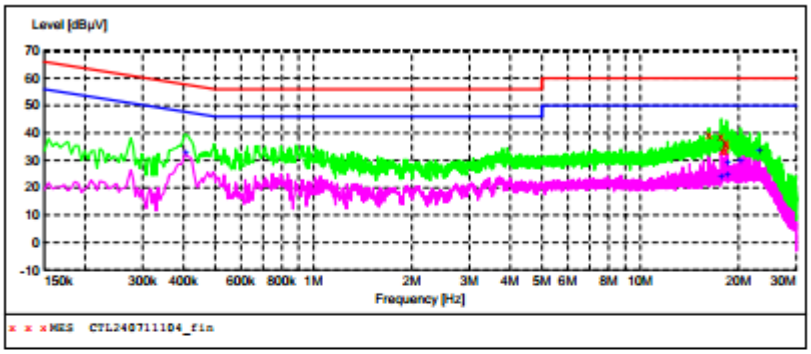
MEASUREMENT RESULT: "CTL240711103_fin2"

7/11/2024 9:11AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.406500	28.30	10.0	48	19.4	AV	L1	GND
16.228500	26.60	11.2	50	23.4	AV	L1	GND
17.695500	29.60	11.2	50	20.4	AV	L1	GND
18.244500	23.90	11.2	50	26.1	AV	L1	GND
18.303000	26.90	11.2	50	23.1	AV	L1	GND
21.664500	27.50	11.0	50	22.5	AV	L1	GND

Test Mode	WIFI	Line:	N

SCAN TABLE: "Voltage (9K-30M)FIN"
Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "CTL240711104_fin"

7/11/2024 9:15AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
16.228500	39.50	11.2	60	20.5	QP	N	GND
17.695500	38.90	11.2	60	21.1	QP	N	GND
17.929500	33.30	11.2	60	26.7	QP	N	GND
18.217500	33.70	11.2	60	26.3	QP	N	GND
18.244500	36.40	11.2	60	23.6	QP	N	GND
18.370500	35.60	11.2	60	24.4	QP	N	GND

MEASUREMENT RESULT: "CTL240711104_fin2"

7/11/2024 9:15AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.406500	32.60	10.0	48	15.1	AV	N	GND
17.668500	24.10	11.2	50	25.9	AV	N	GND
18.402000	24.50	11.2	50	25.5	AV	N	GND
18.487500	29.40	11.2	50	20.6	AV	N	GND
20.260500	29.80	11.1	50	20.2	AV	N	GND
23.131500	33.70	10.8	50	16.3	AV	N	GND

3.2. Radiated Emissions

Limit

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emission out of authorized band shall not exceed the following table at a 3 meters measurement distance.

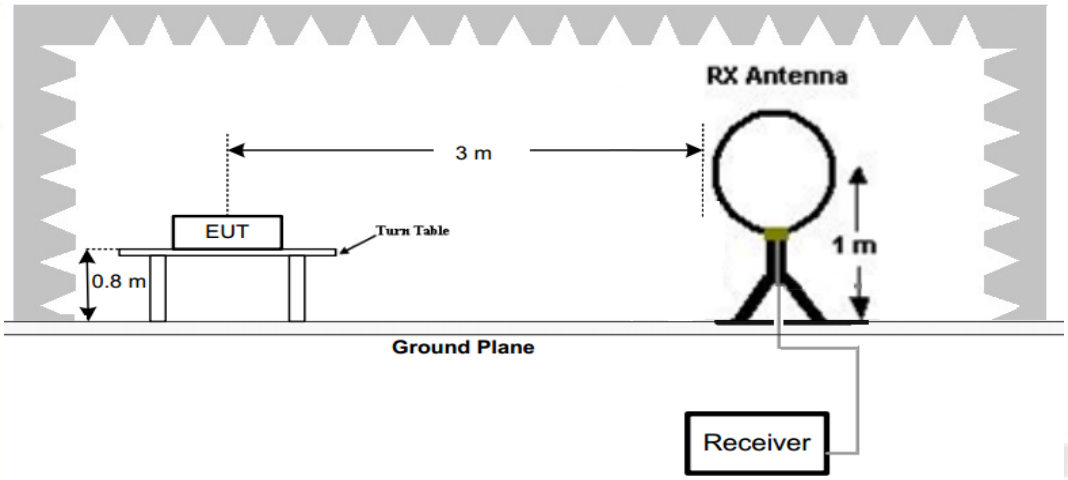
In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a)

Radiated emission limits

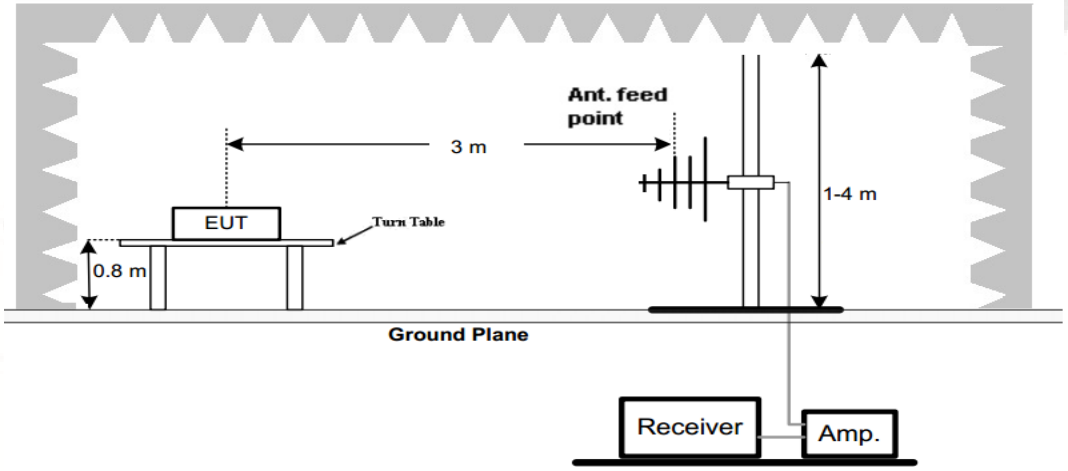
Frequency (MHz)	Distance (Meters)	Radiated (dBμV/m)	Radiated (μV/m)
0.009-0.49	3	20log(2400/F(KHz))+40log(300/3)	2400/F(KHz)
0.49-1.705	3	20log(24000/F(KHz))+ 40log(30/3)	24000/F(KHz)
1.705-30	3	20log(30)+ 40log(30/3)	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

TEST CONFIGURATION

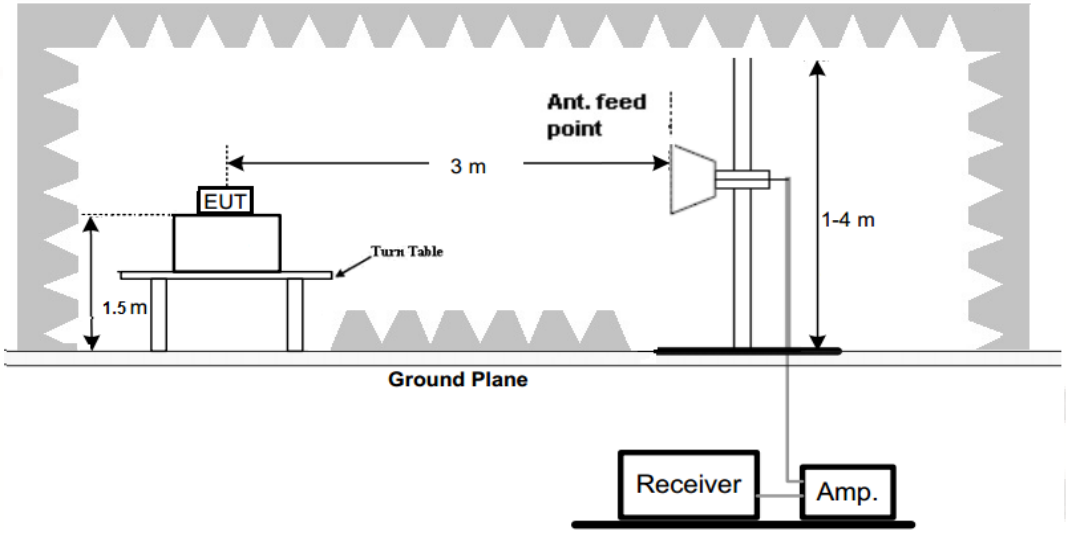
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz



(B) Radiated Emission Test Set-Up, Frequency below 1000MHz



(C) Radiated Emission Test Set-Up, Frequency above 1000MHz



Test Procedure

1. Below 1GHz measurement the EUT is placed on a turntable which is 0.8m above ground plane, and above 1GHz measurement EUT was placed on a low permittivity and low loss tangent turn table which is 1.5m above ground plane.
2. Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0℃ to 360℃ to acquire the highest emissions from EUT
3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
4. Repeat above procedures until all frequency measurements have been completed.
5. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement –X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.

TEST RESULTS

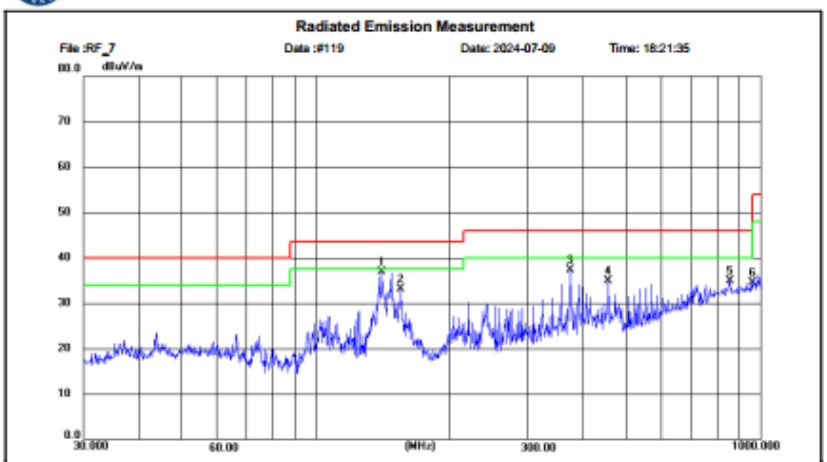
Remark:
1. All three channels (lowest/middle/highest) of each mode were measured below 1GHz and recorded worst case at 802.11b low channel.
2. All three channels (lowest/middle/highest) of each mode were measured above1GHz and recorded worst case at 802.11b mode.
3. Radiated emission test from 9 KHz to 10th harmonic of fundamental was verified, Found the emission level are attenuated 20dB below the limits from 9 kHz to 30MHz, so it does not recorded in report.

For 30MHz-1GHz

Adapter 1

Test mode:	WIFI	Polarization:	Horizontal

Shenzhen CTL Testing Technology Co., Ltd
Tel: +86-755-89486194



Site LAB Chamber 2
Limit: FCC Part15 RE-Class C_30-1000MHz
EUT:
M/N: P10W
Mode: WIFI2.4G 2412MHz
Note: Flyingvoice Network Technology Co., Ltd.

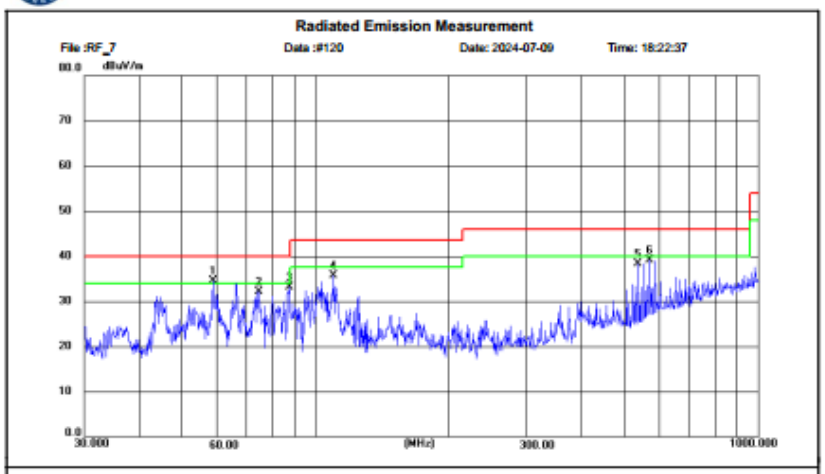
Polarization: *Horizontal*
Power:
Distance: 3m

Temperature: 25(C)
Humidity: 50 %

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	141.2060	23.06	13.76	36.82	43.50	6.68	peak	100	352	P	
2	155.6370	19.28	13.77	33.05	43.50	10.45	peak	100	330	P	
3	373.6386	20.85	16.54	37.39	46.00	8.61	peak	100	111	P	
4	455.5063	16.23	18.67	34.90	46.00	11.10	peak	100	330	P	
5	856.6491	8.59	26.34	34.93	46.00	11.07	peak	100	90	P	
6	960.0560	7.37	27.23	34.60	54.00	19.40	peak	100	6	P	

Test mode:	WIFI	Polarization:	Vertical

Shenzhen CTL Testing Technology Co., Ltd
Tel: +86-755-89486194



Site LAB Chamber 2
Limit: FCC Part15 RE-Class C_30-1000MHz
EUT:
M/N: P10W
Mode: WIFI2.4G 2412MHz
Note: Flyingvoice Network Technology Co., Ltd.

Polarization: *Vertical*
Power:
Distance: 3m

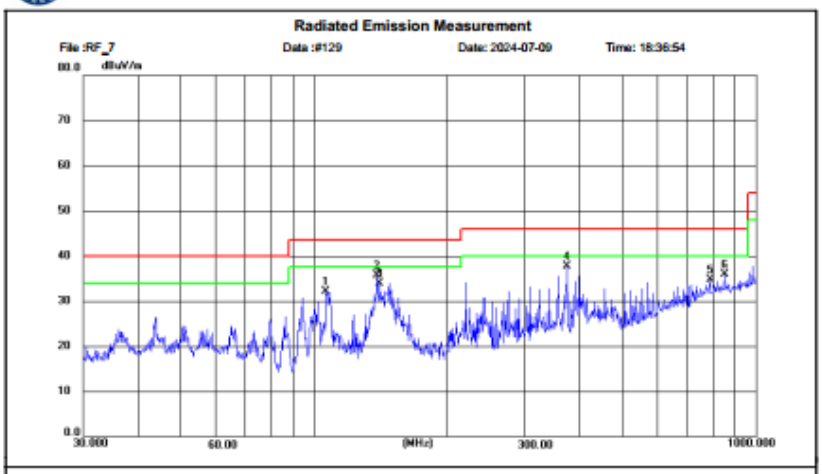
Temperature: 25(C)
Humidity: 50 %

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	58.7155	20.46	13.95	34.41	40.00	5.59	peak	100	343	P	
2	74.5914	20.80	11.35	32.15	40.00	7.85	peak	100	354	P	
3	87.1117	23.29	9.72	33.01	40.00	6.99	peak	100	177	P	
4	109.9404	23.58	12.22	35.80	43.50	7.70	peak	100	145	P	
5	537.3535	18.33	20.02	38.35	46.00	7.65	peak	100	30	P	
6	570.3600	18.24	20.94	39.18	46.00	6.82	peak	100	9	P	

Adapter 2

Test mode:	WIFI	Polarization:	Horizontal

Shenzhen CTL Testing Technology Co., Ltd
Tel: +86-755-89486194



Site LAB Chamber 2
Limit: FCC Part15 RE-Class C_30-1000MHz
EUT:
M/N: P10W
Mode: WIFI2.4G 2412MHz
Note: Flyingvoice Network Technology Co., Ltd.

Polarization: *Horizontal*
Power:
Distance: 3m

Temperature: 25(C)
Humidity: 50 %

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	106.7120	20.17	12.00	32.17	43.50	11.33	peak	100	9	P	
2	139.2390	21.95	13.70	35.65	43.50	7.85	peak	100	343	P	
3	141.2060	20.24	13.76	34.00	43.50	9.50	peak	100	353	P	
4	373.6386	21.22	16.54	37.76	46.00	8.24	peak	100	113	P	
5	788.1966	9.24	25.38	34.62	46.00	11.38	peak	100	333	P	
6	853.6504	9.67	26.31	35.98	46.00	10.02	peak	100	312	P	

Test mode:	WIFI	Polarization:	Vertical

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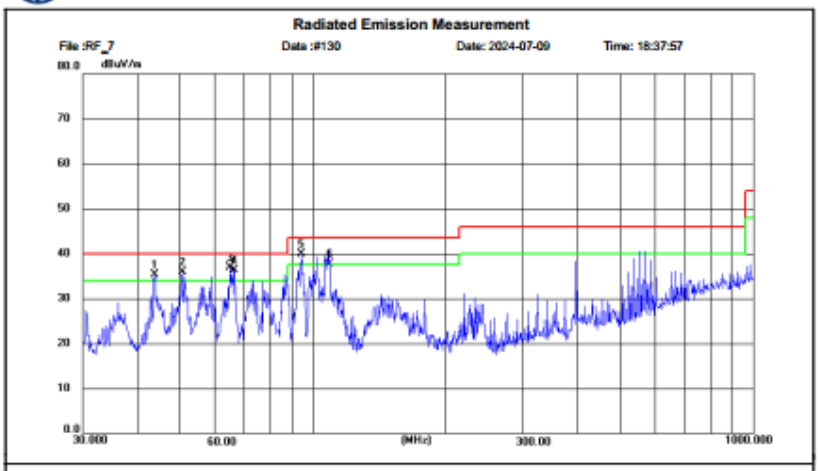


Site LAB Chamber 2
Limit: FCC Part15 RE-Class C_30-1000MHz
EUT:
M/N: P10W
Mode: WIFI2.4G 2412MHz
Note: Flyingvoice Network Technology Co., Ltd.

Polarization: *Vertical*
Power:
Distance: 3m

Temperature: 25(C)
Humidity: 50 %

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	43.7926	20.98	14.41	35.39	40.00	4.61	peak	100	351	P	
2	50.4310	21.49	14.36	35.85	40.00	4.15	peak	100	351	P	
3	64.7728	23.83	12.99	36.82	40.00	3.18	peak	100	101	P	
4	66.2951	23.42	12.88	36.30	40.00	3.70	peak	100	58	P	
5	94.3869	28.93	11.05	39.98	43.50	3.52	peak	100	174	P	
6	108.7837	25.50	12.18	37.68	43.50	5.82	QP	100	360	P	

3.3. Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203:

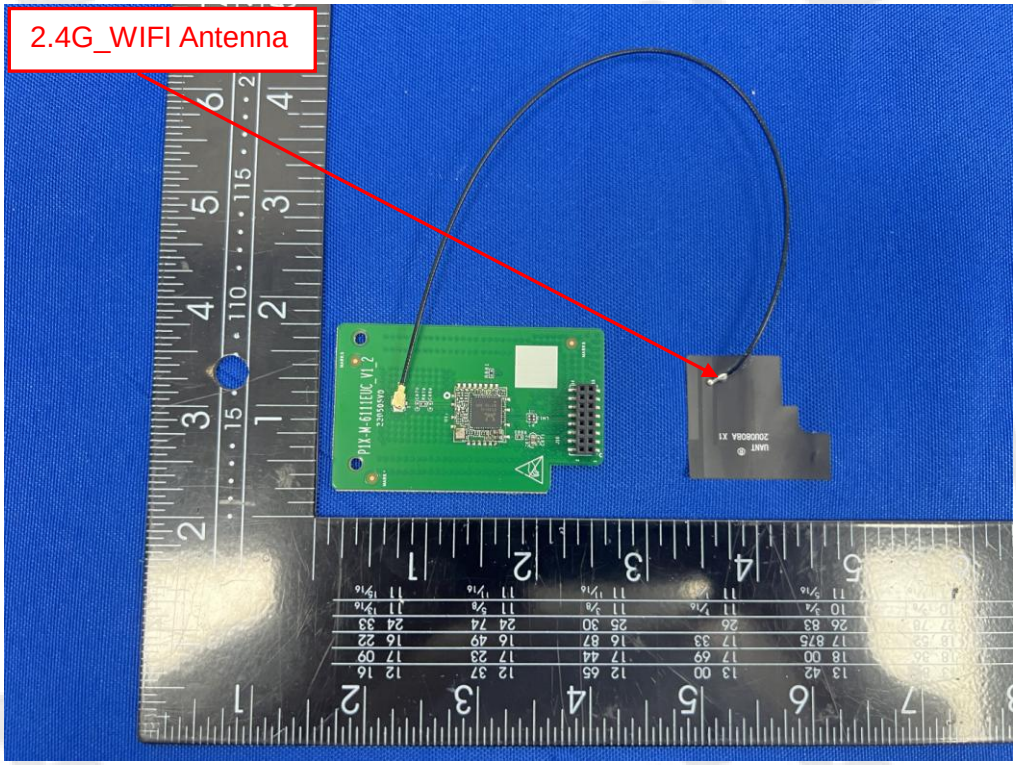
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited

FCC CFR Title 47 Part 15 Subpart C Section 15.247(b) (4):

(4) The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

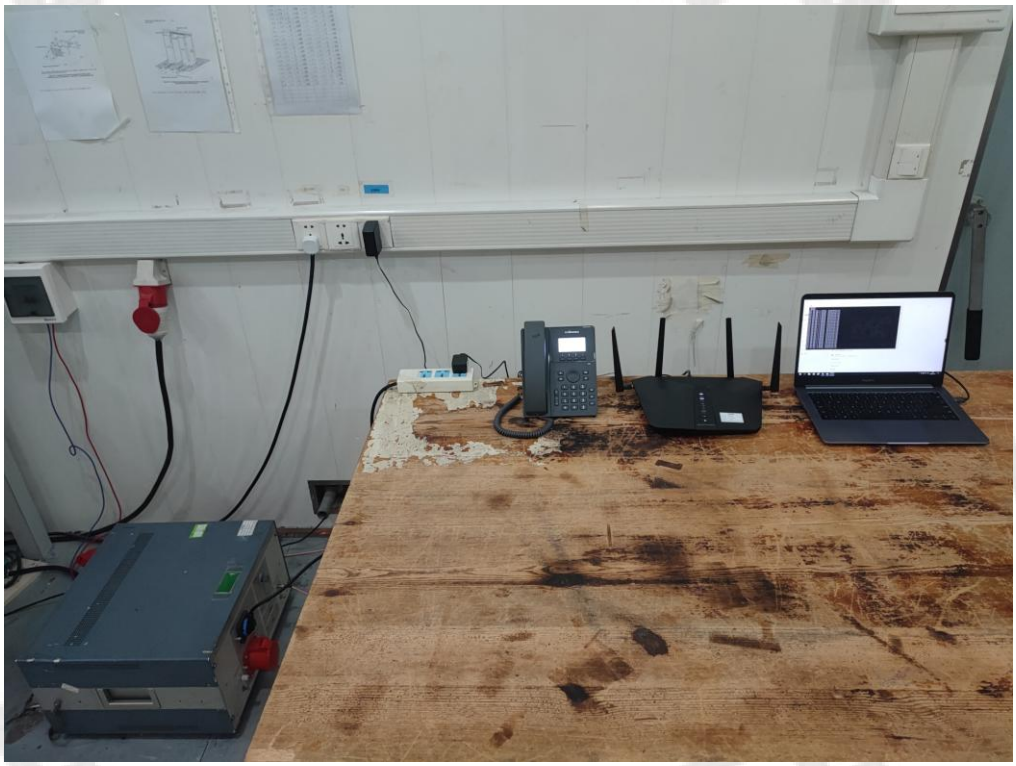
Test Result:

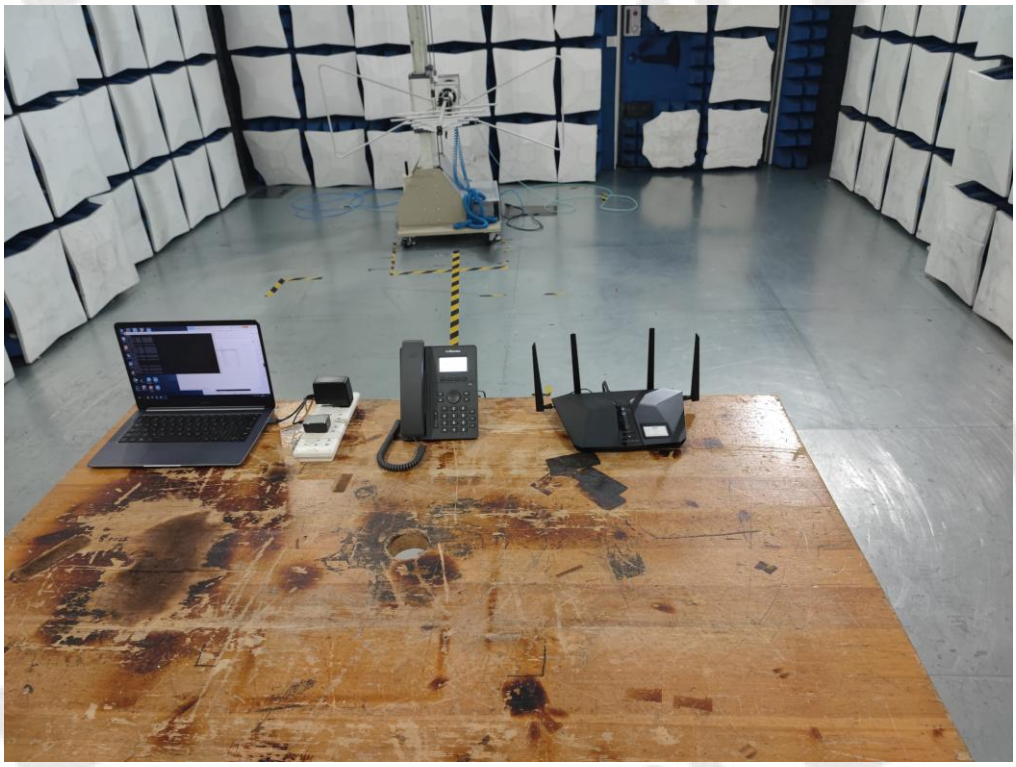
The maximum gain of 2.4G_WIFI Antenna was 2.11dBi.



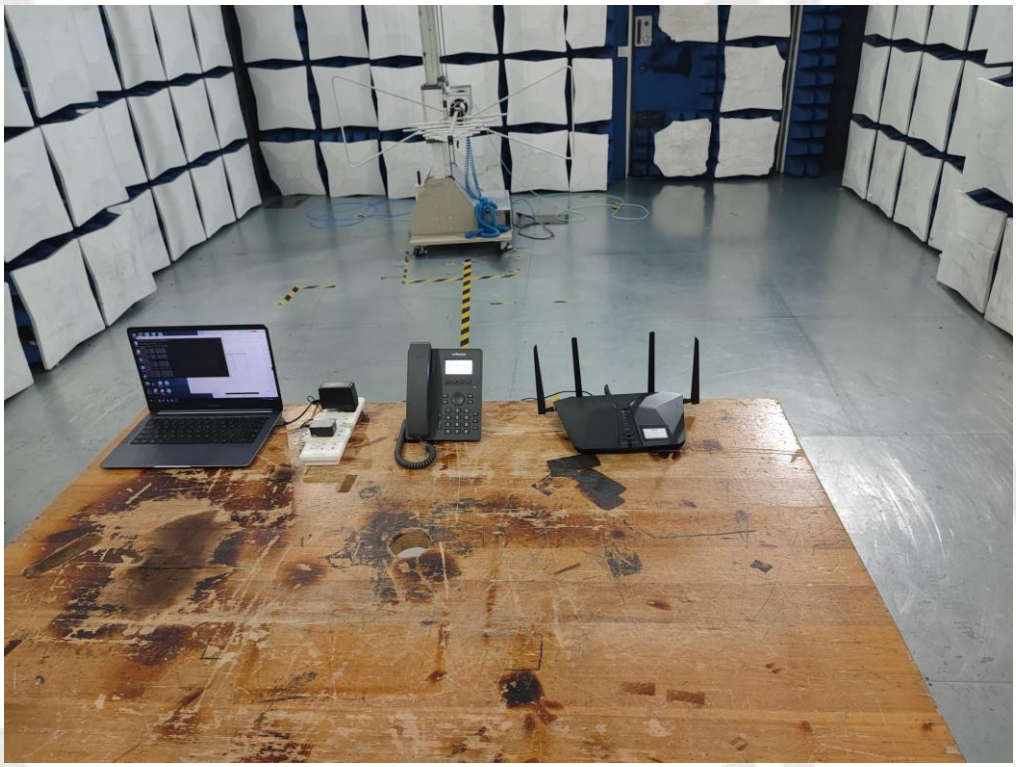
4. Test Setup Photos of the EUT

Adapter 1





Adapter 2



5. Photos of the EUT

External Photos of EUT

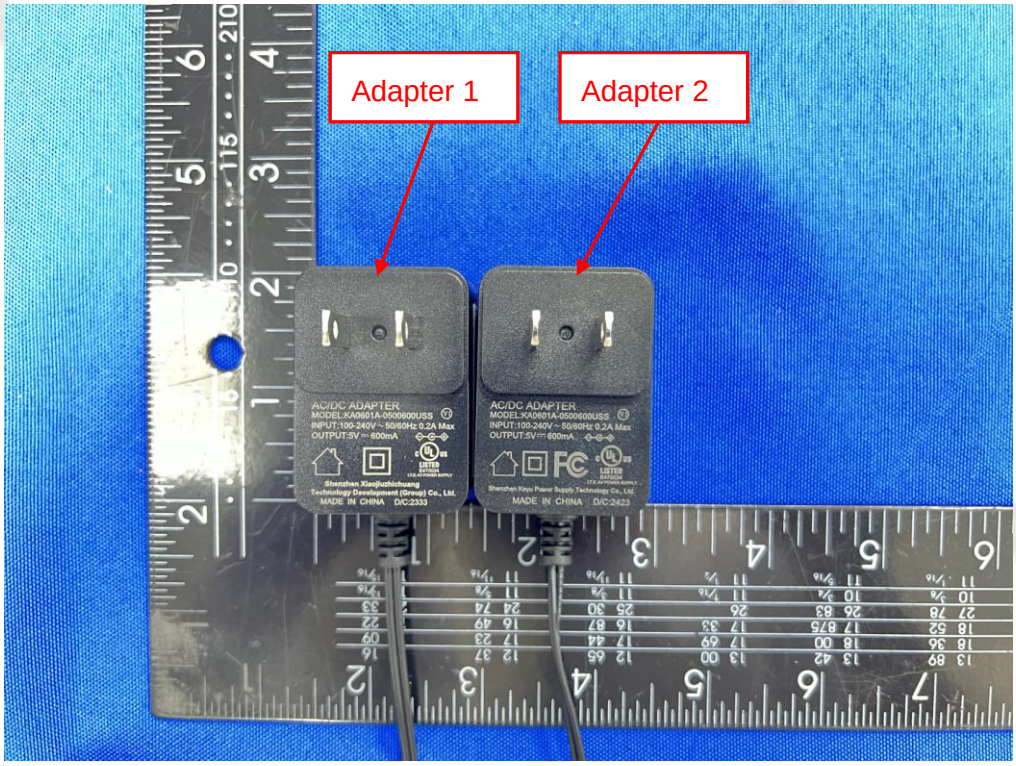

FLYINGVOICE


FLYINGVOICE
IP PHONE
For home or office use
FLYINGVOICE Model:P10W

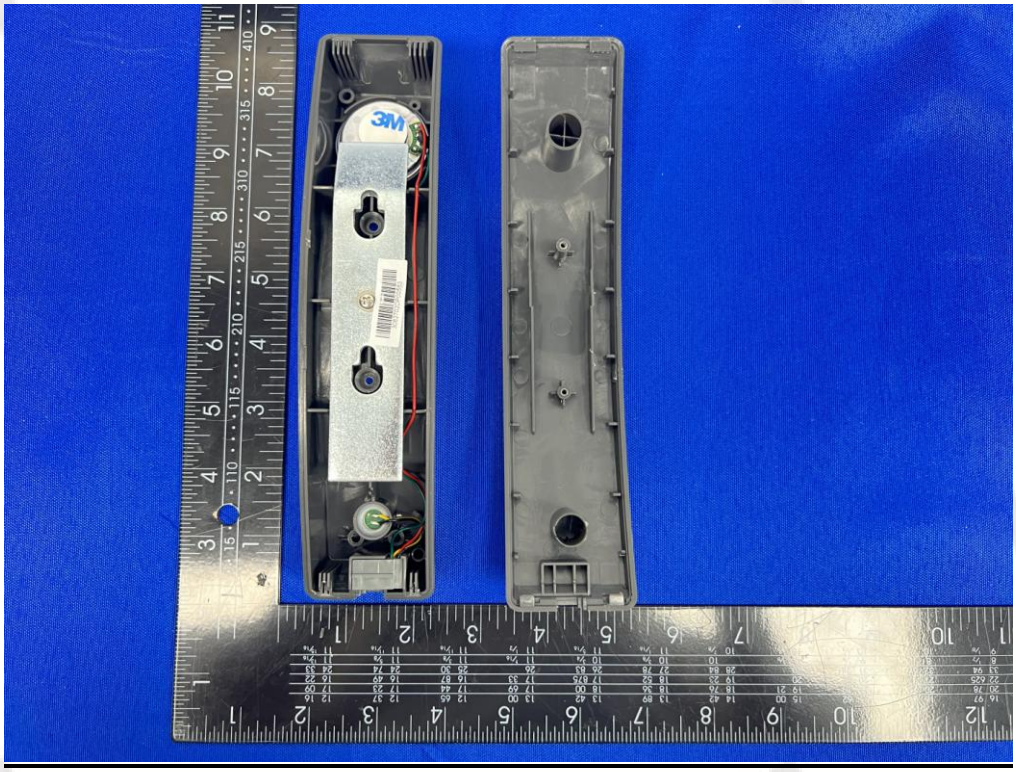

FLYINGVOICE

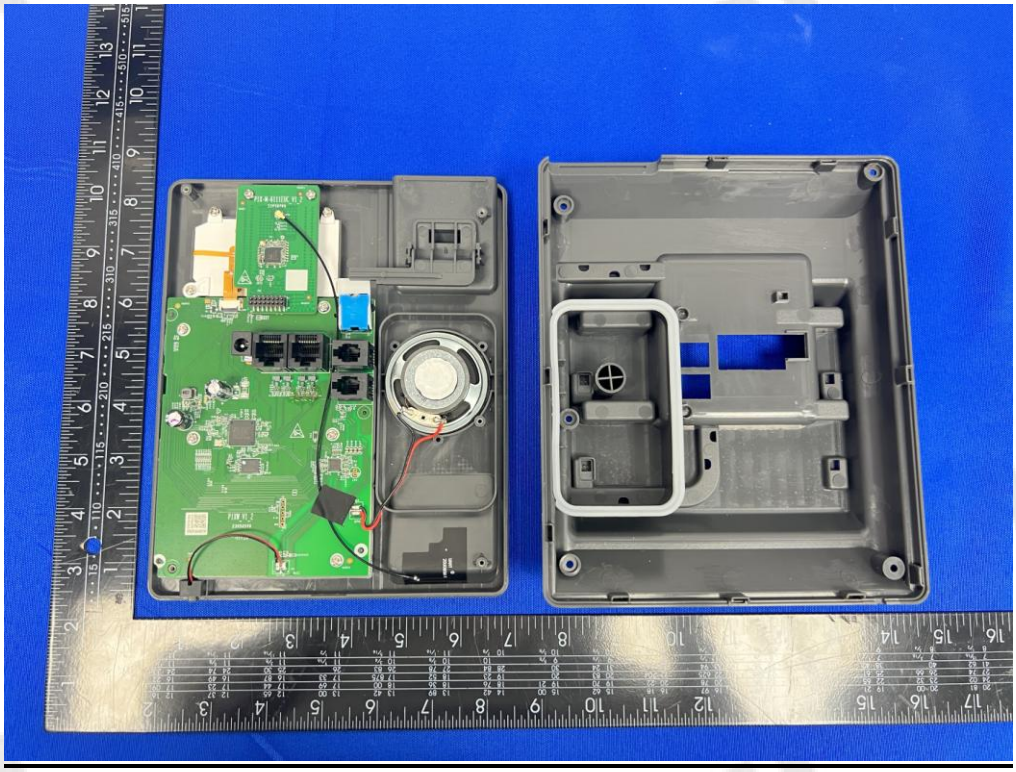

FLYINGVOICE

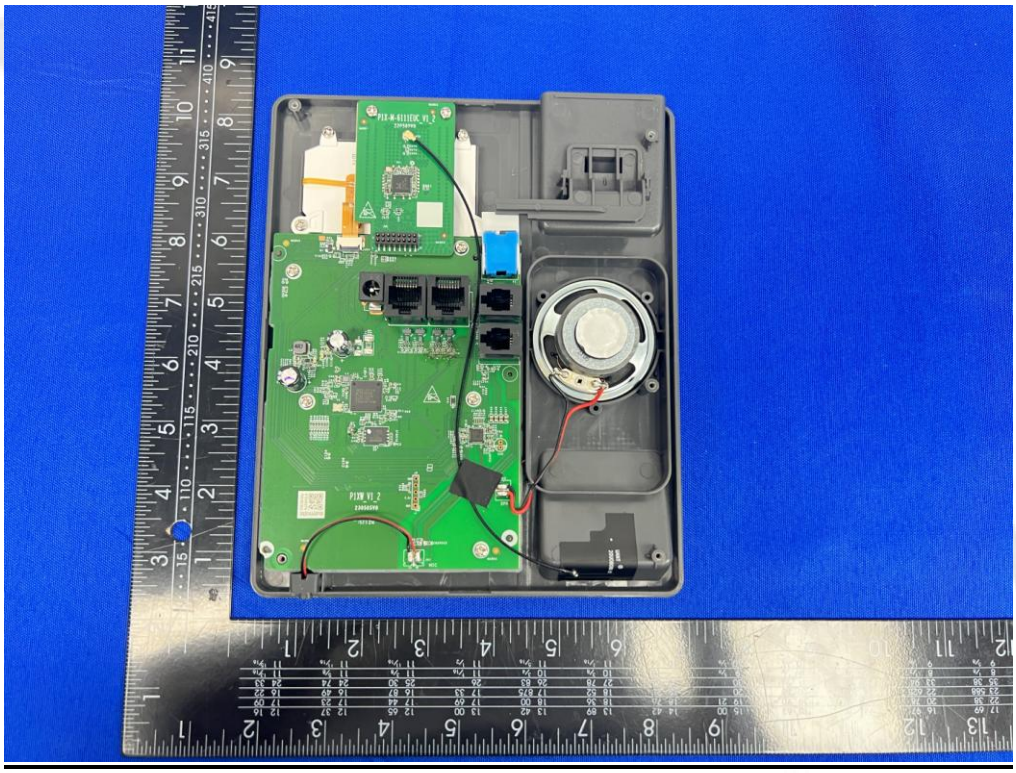

FLYINGVOICE

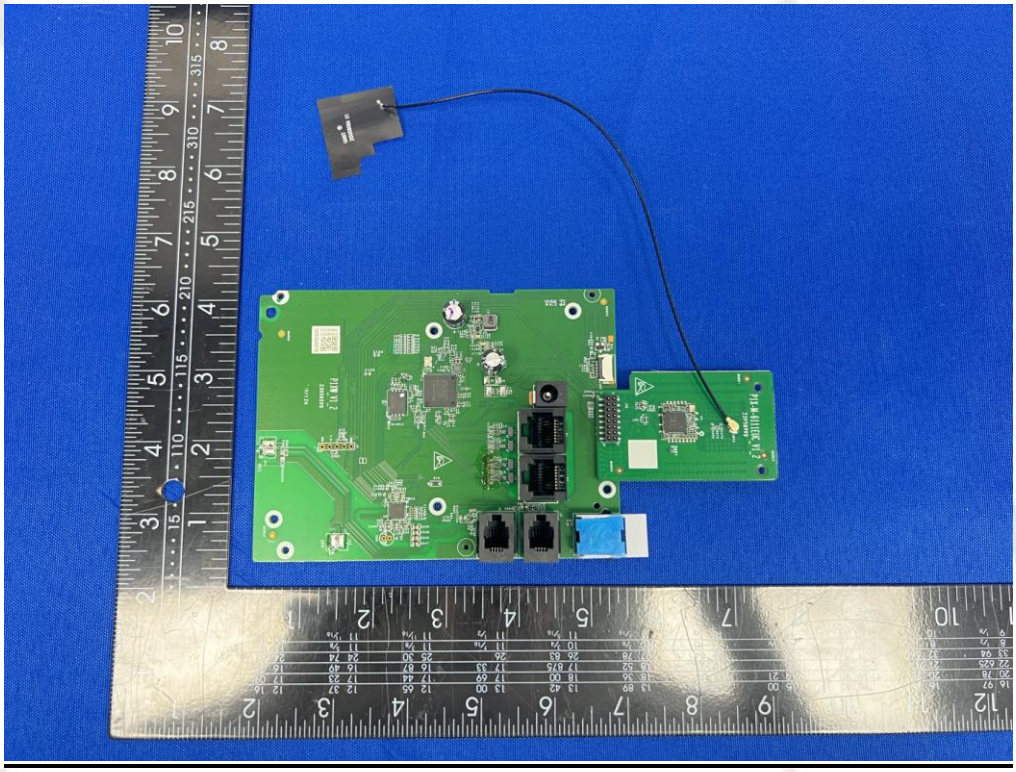

Adapter 1
Adapter 2

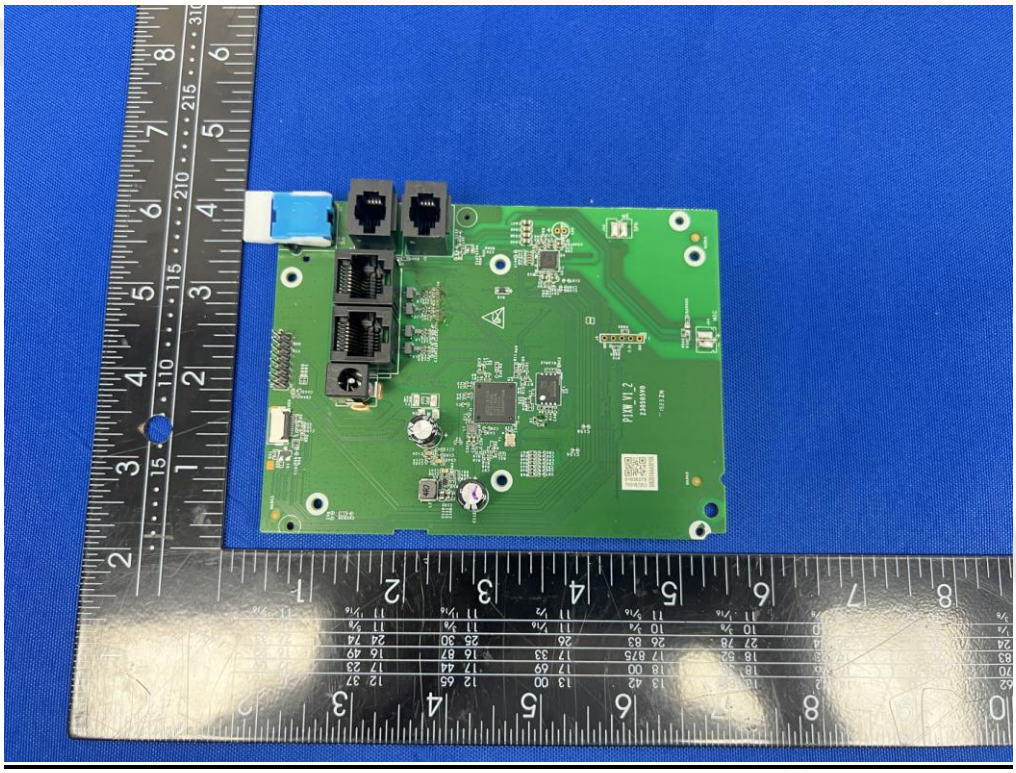
Internal Photos of EUT

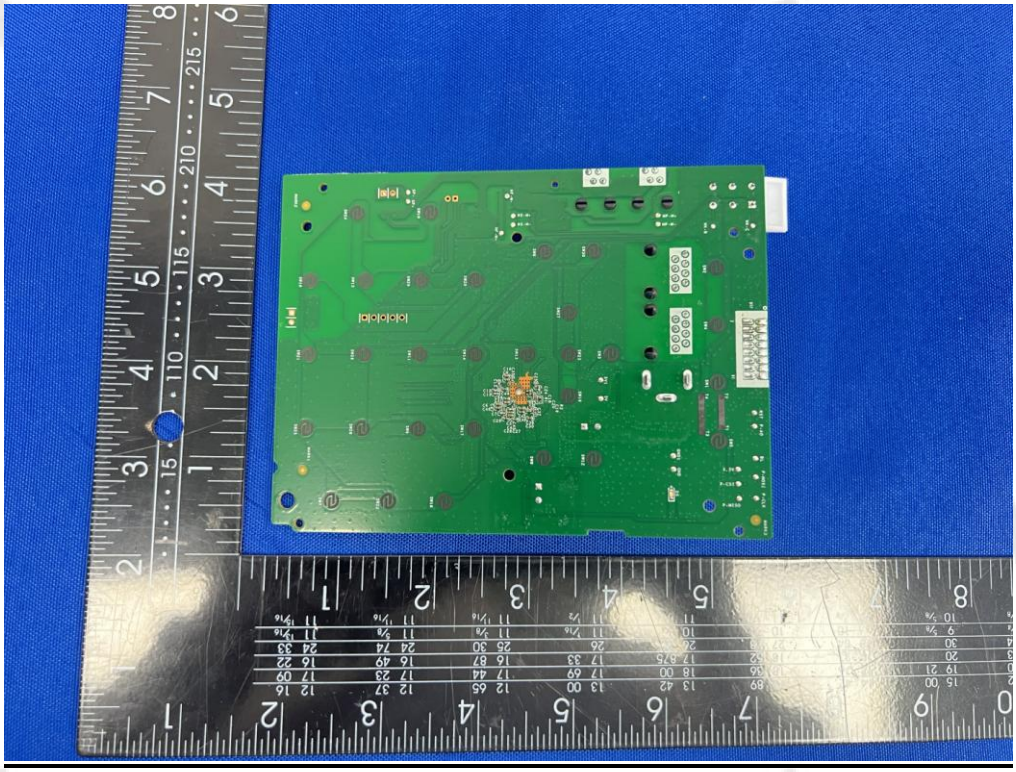


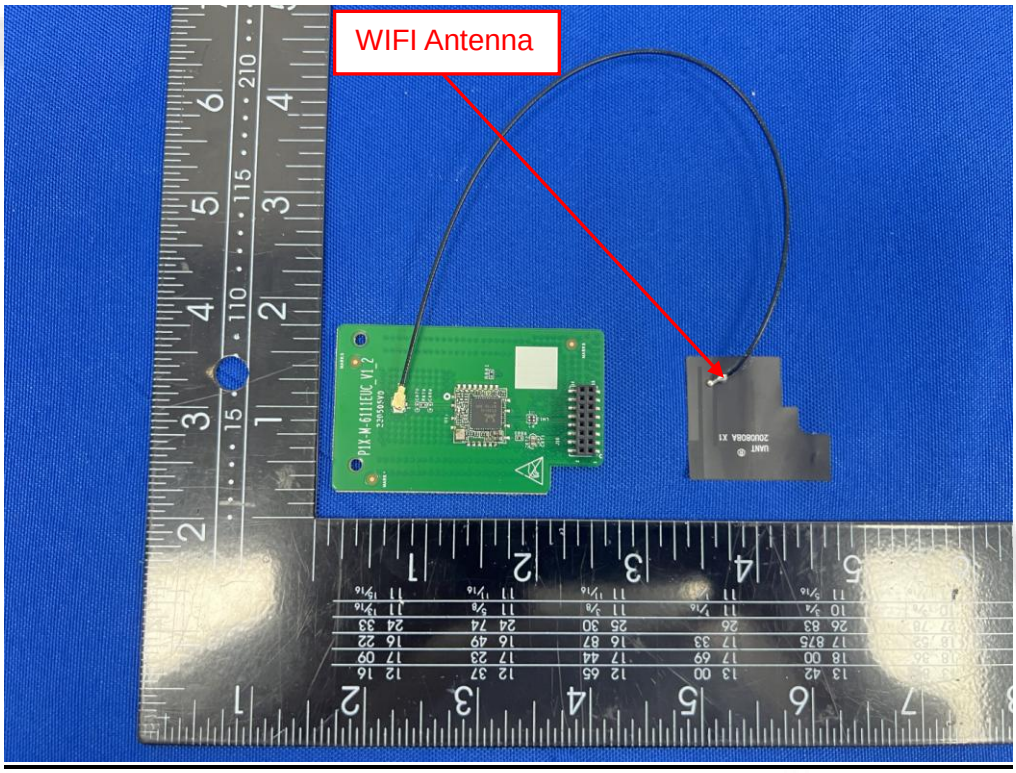


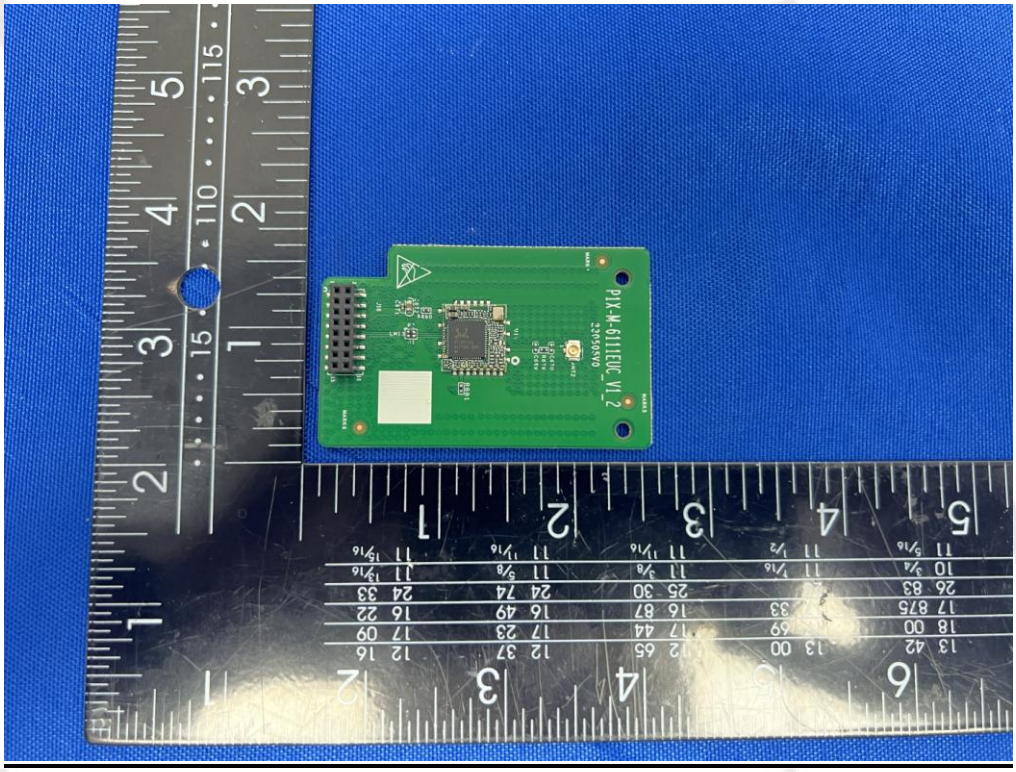


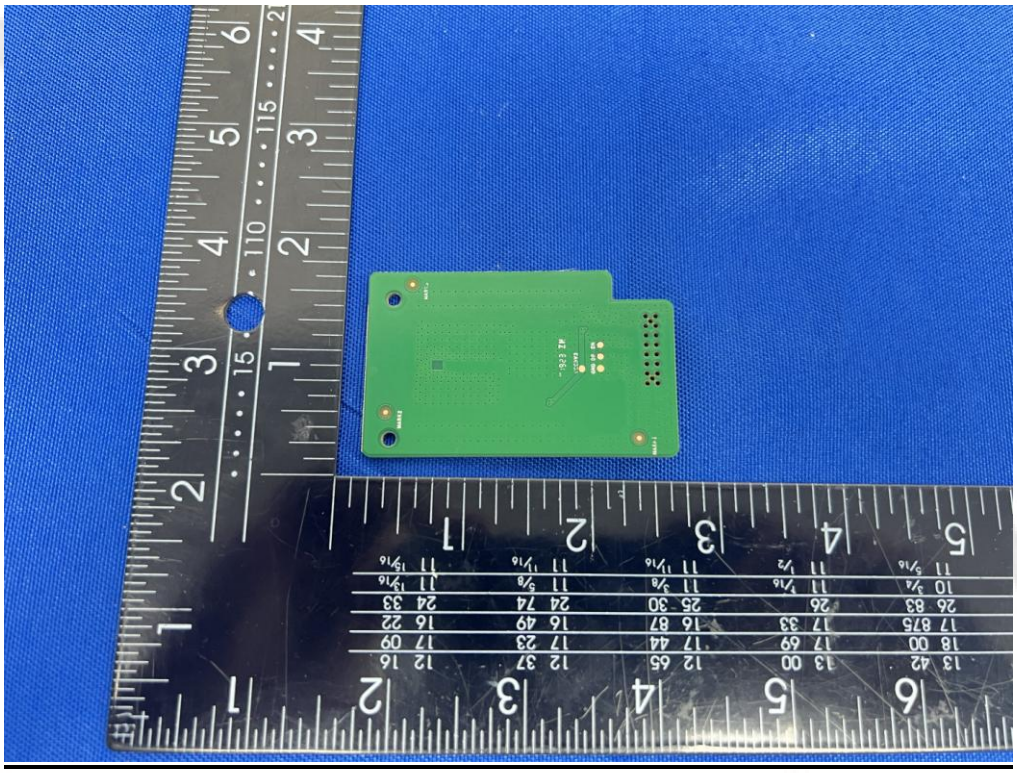







WIFI Antenna





********** End of Report **********