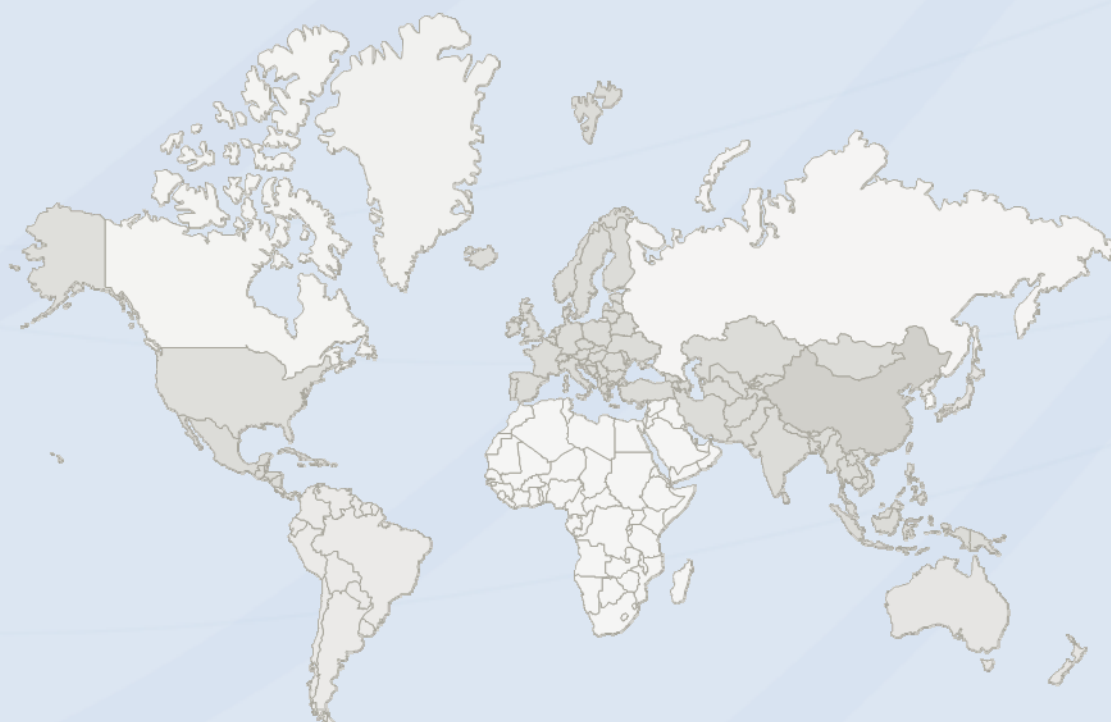


FCC TEST REPORT

Report No. NTC-ER2308077

Applicant's name iGulu (Shanghai) Intelligent Technology Co., Ltd.

Address Room 109, 1st Floor, North District, 5599 Yanqian Road,
Fengxian District, Shanghai.



DONGGUAN NEW TESTING CENTRE CO., LTD

●Address: 1F & 3F, No. 1 the 1st North Industry Road Songshan Lake Science & Technology Park Dongguan, People's Republic of China 523808

☎Tel: +86-769-22212079

🌐Web: <http://www.ntc-cert.com>

✉E-mail: dave@ntc-cert.com

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TEST REPORT DECLARE

FCC ID	:	2BDIO-IGULU-F1
Equipment under Test	:	Beer fermenter and cooler
Model /Type	:	iGulu F1
Listed Models	:	N/A
Trade Mark	:	N/A
Applicant	:	iGulu (Shanghai) Intelligent Technology Co., Ltd.
Address	:	Room 109, 1st Floor, North District, 5599 Yanqian Road, Fengxian District, Shanghai.
Manufacturer	:	iGulu (Shenzhen) Intelligent Technology Co., Ltd.
Address	:	Room 612, Building B, Wanyuan Business Building, District 71, Xingdong Community, Xin'an Street, Bao'an District, Shenzhen City
Factory	:	Zhongshan Qingniu Refrigeration Technology Co.,Ltd
Address	:	6 Floor, 28 Guangming North Road, Nantou Town, Zhongshan 528427, China
Test Laboratory	:	Dongguan New Testing Centre Co., Ltd
Address	:	1F & 3F, No. 1 the 1st North Industry Road Songshan Lake Science & Technology Park Dongguan, People' s Republic of China 523808

Test Standard Used:

FCC Rules Part 15.225: Operation within the band 13.110–14.010 MHz

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

We Declare:

The equipment described above is tested by Dongguan New Testing Centre Co., Ltd and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Dongguan New Testing Centre Co., Ltd is assumed of full responsibility for the accuracy and completeness of these tests.

After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above FCC standards.

Report No.:	NTC-ER2308077		
Date of Test:	Sep.01, 2023 to Oct.30, 2023	Date of Report.:	Oct.31, 2023

Prepared By:



Jack Liu/Engineer

Approved By:



Dave Gao/LAB Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Dongguan New Testing Centre Co., Ltd



** Modified History **

[illegible]

1. SUMMARY

1.1. Test Description

FCC PART 15 .225		
FCC Part 15.207	AC Power Conducted Emission	PASS
FCC Part 2.1049	20dB Bandwidth	PASS
FCC Part 15.225(a) (b) (c)	In-band Emissions	PASS
FCC Part 15.225(d)/15.207	Out-of-band Emissions	PASS
FCC Part 15.225(e)	Frequency Stability Tolerance	PASS
FCC Part 15.203/15.247 (c)	Antenna Requirement	PASS

Remark: The measurement uncertainty is not included in the test result.

2. General Test 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. Description of EUT

Product Name:	Beer fermenter and cooler
Model/Type reference:	iGulu F1
Power supply:	INPUT: 100-240V ~ 50-60Hz 1.8A OUTPUT: 12.0V DC 5.0A 60W
Hardware Version:	V1.0
Software Version:	V1.0
NFC	
Operation frequency:	13.56MHz
Modulation :	ASK
No. of Channel :	1
Antenna type:	PCB Antenna

Note1: For more details, please refer to the user's manual of the EUT.

Note2: Antenna gain provided by the applicant.

2.3. 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	± 2.44 dB	(1)
Occupied Bandwidth	± 0.01 ppm	(1)
Radiated Emission 0.01~30MHz	± 4.27 dB	(1)
Radiated Emission 30~1000MHz	± 4.27 dB	(1)
Radiated Emission Above 1GHz	± 4.51 dB	(1)
Conducted Disturbance 0.15~30MHz	± 3.20 dB	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95%

(2) confidence level using a coverage factor of $k=2$.

2.4. Equipments Used during the Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Test Receiver	R&S	ESPI	100146	2023-05-20	1 Year
2	LISN	R&S	ENV216	3650.6550.06	2023-05-19	1 Year
3	LISN	KHC	KH3765	37650053	2023-05-19	1 Year
4	8-WIRE ISN for CAT6	R&S	ENY81-CA6	101862	2023-05-19	1 Year
5	RF Cable	HUBER	SUCOFLEX100	30722/4E	2023-05-19	2 Year
6	EMI Test Receiver	R&S	ESR	7250-304067528	2023-05-20	1 Year
7	Trilog Broadband Antenna	Schwarzbeck	VULB9168	00969	2023-05-22	2 Year
8	Pre-amplifier	R&S	8449B	3008A04721	2023-05-19	1 Year
9	Active Loop antenna	Schwarzbeck	FMZB-1519	1519-038	2023-05-19	1 Year
10	Horn antenna	Schwarzbeck	BBHA9120D	453	2023-05-19	2 Year
11	Double Ridged Horn Antenna	A.H. System	SAS-574	584	2023-05-19	1 Year
12	RF Cable	GORE	OSQ01Q01078.7	SN15458474	2023-05-19	1 Year
13	RF Cable	ESCO	ETS-LINGRE N	RFC-SMS-100-SMS-340-IN	2023-05-19	1 Year
14	Measurement software	Farad	EZ-EMC(VER:1.1.4.2)	N/A	N/A	N/A
15	SIGNAL ANALYZER	KEYSIGHT	N9020A	MY53420939	2023/05/19	1 Year
16	SIGNAL GENERATOR	Agilent	N5182A	MY50141563	2023/05/19	1 Year
17	WIDEBAND RADIO COMMUNICATION TESTER	R&S	CMW500	1201.0002K50	2023/05/19	1 Year
18	POWER SENSOR	Agilent	U2021XA	MY54320040	2023/05/19	1 Year
19	POWER SENSOR	Agilent	U2021XA	MY55060007	2023/05/19	1 Year
20	MEASUREMENT SOFTWARE	MWRFTest	MTS8310	N/A	N/A	N/A

The calibration interval was one year

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

This submittal(s) (test report) is intended for FCC ID: 2BDIO-IGULUF1 filing to comply with Section 15.225 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

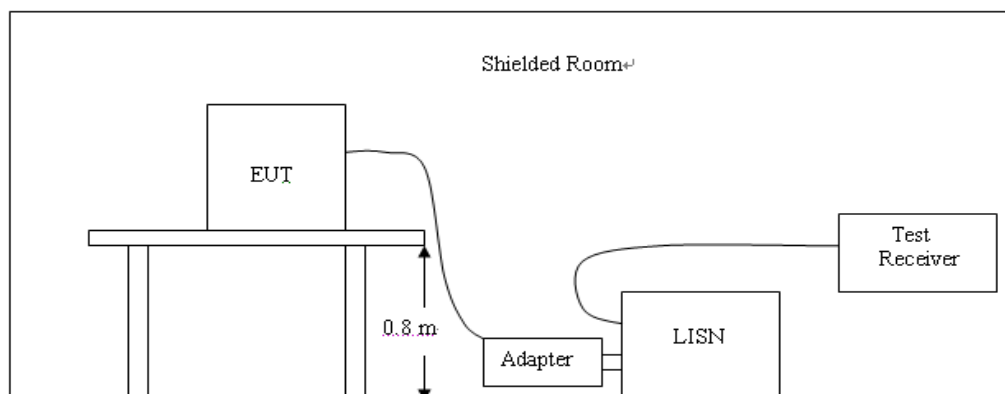
LIMIT

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.

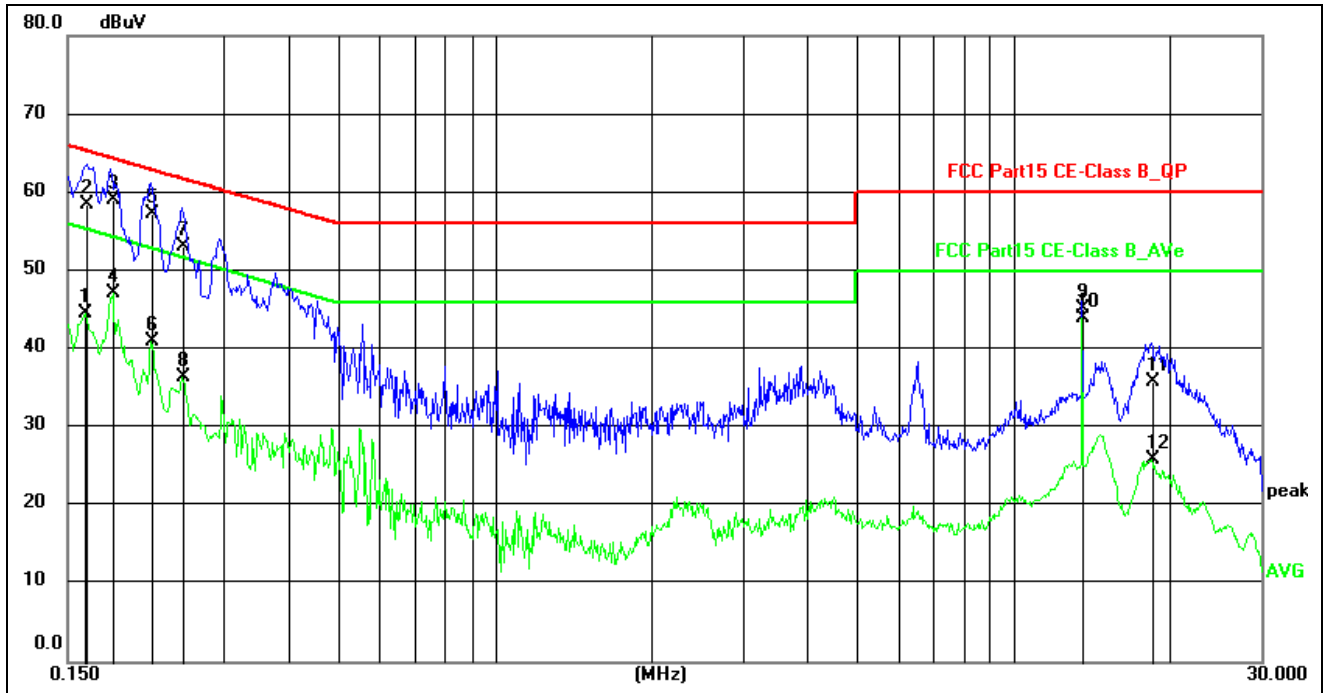
TEST CONFIGURATION



TEST PROCEDURE

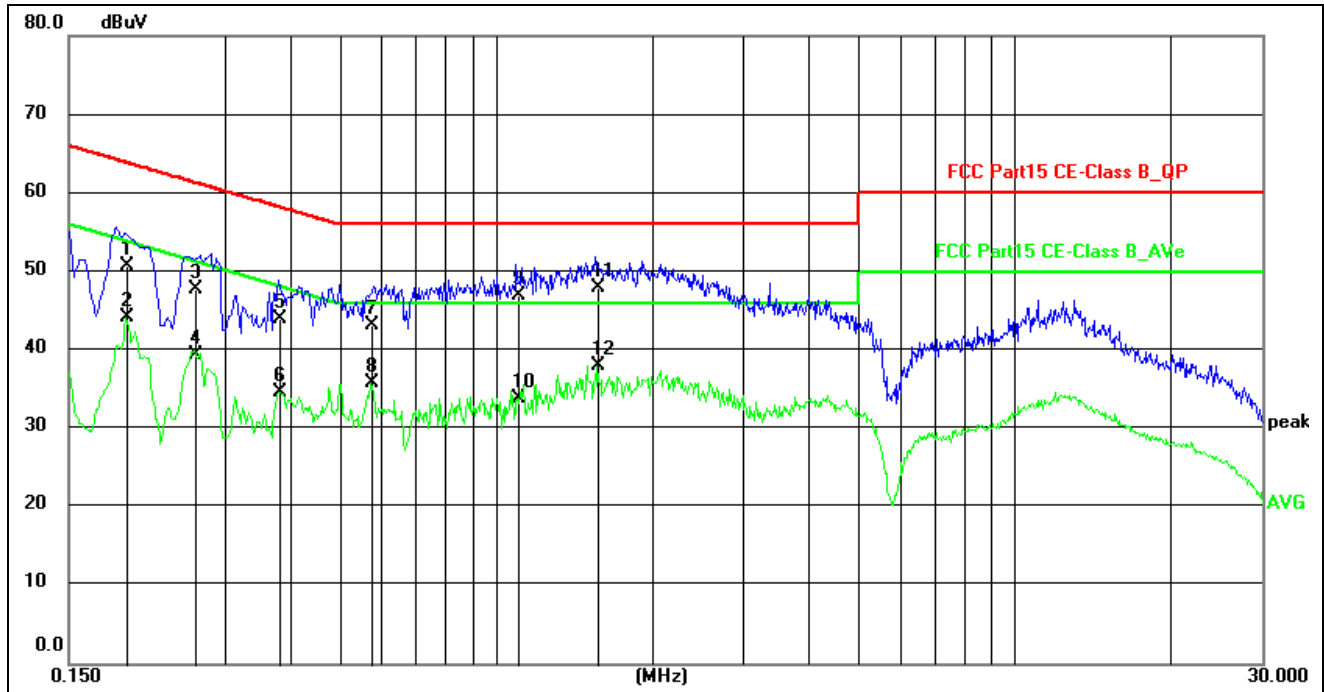
1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system; a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10:2013.
2. Support equipment, if needed, was placed as 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



Site: 844 LAB				Phase: L1		Temperature(C): 24(C)		
Limit: FCC Part15 CE-Class B_QP						Humidity(%): 63%		
EUT: Beer fermenter and cooler				Test Time:		2023/10/24 16:24:19		
M/N.: iGulu F1				Power Rating:		AC120V/60Hz		
Mode:				Test Engineer:		Taylor Chen		
Note:								
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV)	Limit (dBuV)	Margin (dB)	Detector	Comment
1	0.1621	33.33	11.16	44.49	55.36	-10.87	AVG	N/A
2	0.1632	47.37	11.16	58.53	65.30	-6.77	QP	N/A
3 *	0.1833	47.90	11.16	59.06	64.33	-5.27	QP	N/A
4	0.1833	35.90	11.16	47.06	54.33	-7.27	AVG	N/A
5	0.2179	46.01	11.18	57.19	62.90	-5.71	QP	N/A
6	0.2179	29.74	11.18	40.92	52.90	-11.98	AVG	N/A
7	0.2500	41.91	11.20	53.11	61.76	-8.65	QP	N/A
8	0.2500	25.15	11.20	36.35	51.76	-15.41	AVG	N/A
9	13.5617	33.91	11.29	45.20	60.00	-14.80	QP	N/A
10	13.5617	32.59	11.29	43.88	50.00	-6.12	AVG	N/A
11	18.4659	24.39	11.46	35.85	60.00	-24.15	QP	N/A
12	18.4659	14.36	11.46	25.82	50.00	-24.18	AVG	N/A

*:Maximum data x:Over limit !:over margin



Site: 844 LAB				Phase: N		Temperature(C): 24(C)		
Limit: FCC Part15 CE-Class B_QP						Humidity(%): 63%		
EUT: Beer fermenter and cooler				Test Time:		2023/10/24 16:31:41		
M/N.: iGulu F1				Power Rating:		AC120V/60Hz		
Mode:				Test Engineer:		Taylor Chen		
Note:								
No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV)	Limit (dBuV)	Margin (dB)	Detector	Comment
1 *	0.1504	48.42	11.14	59.56	65.98	-6.42	QP	N/A
2	0.1504	35.82	11.14	46.96	55.98	-9.02	AVG	N/A
3	0.1695	45.56	11.14	56.70	64.98	-8.28	QP	N/A
4	0.1695	42.76	11.14	53.90	64.98	-11.08	QP	N/A
5	0.1695	32.30	11.14	43.44	54.98	-11.54	AVG	N/A
6	0.2170	23.94	11.14	35.08	52.93	-17.85	AVG	N/A
7	0.2452	38.22	11.14	49.36	61.92	-12.56	QP	N/A
8	0.2452	24.15	11.14	35.29	51.92	-16.63	AVG	N/A
9	0.2966	38.26	11.16	49.42	60.34	-10.92	QP	N/A
10	0.2966	19.19	11.16	30.35	50.34	-19.99	AVG	N/A
11	13.5617	29.87	11.33	41.20	60.00	-18.80	QP	N/A
12	13.5617	27.67	11.33	39.00	50.00	-11.00	AVG	N/A

*:Maximum data x:Over limit !:over margin

3.2. Radiated Emissions and Band Edge

Limit

- The field strength of any emissions within the band 13.553–13.567 MHz shall not exceed 15,848 microvolts/ meter at 30 meters.
- Within the bands 13.410–13.553 MHz and 13.567–13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.
- Within the bands 13.110–13.410 MHz and 13.710–14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.
- The field strength of any emissions appearing outside of the 13.110– 14.010 MHz band shall not exceed the general radiated emission limits in §15.209.

Frequency (MHz)	Distance (Meters)	Radiated (dBuV/m)	Radiated (µV/m)
0.009-0.49	3	$20\log(2400/F(\text{KHz}))+40\log(300/3)$	$2400/F(\text{KHz})$
0.49-1.705	3	$20\log(24000/F(\text{KHz}))+40\log(30/3)$	$24000/F(\text{KHz})$
1.705-13.110	3	69.54	30
13.110-13.410	3	80.50	106
13.410-13.553	3	90.47	334
13.553-13.567	3	124.00	15848
13.567-13.710	3	90.47	334
13.710-14.010	3	80.50	106
14.010-30.0	3	69.54	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 Procedure

- The EUT was placed on 80cm wooden desk above ground plane which on a turn table.
- Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0°C to 360°C to acquire the highest emissions from EUT
- And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- Repeat above procedures until all frequency measurements have been completed.

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	

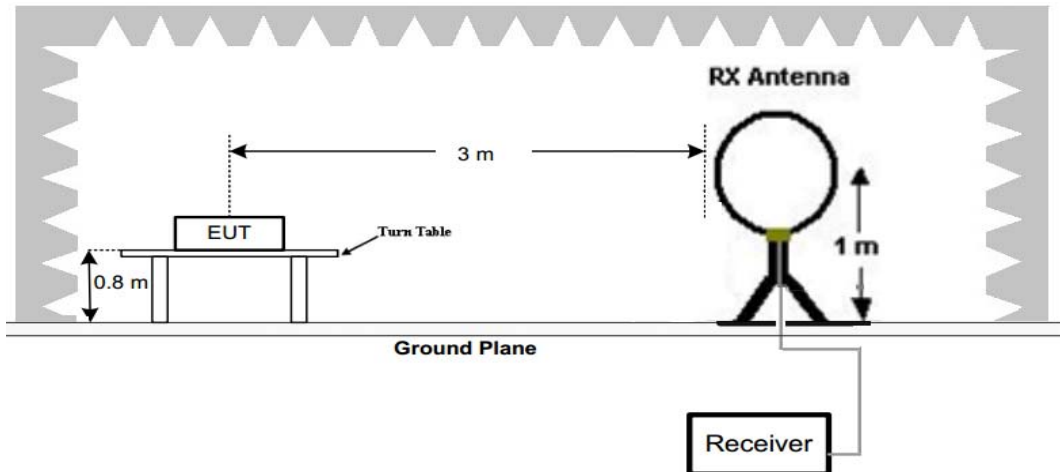
For example

Frequency (MHz)	FS (dBuV/m)	RA (dBuV/m)	AF (dB)	CL (dB)	AG (dB)	Transd (dB)
150.00	40	58.1	12.2	1.6	31.90	-18.1

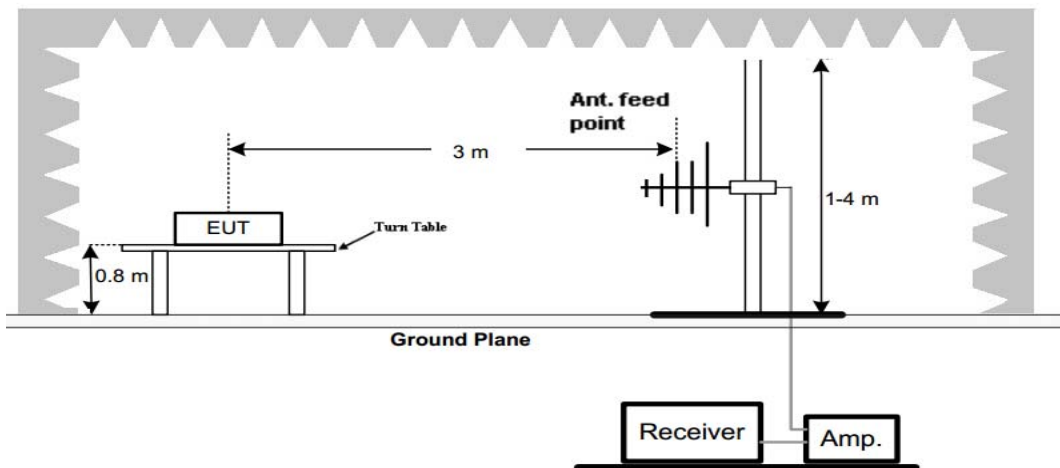
Transd=AF +CL-AG

Test Configuration

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



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



Test Results

3.2.1 In-band Emissions

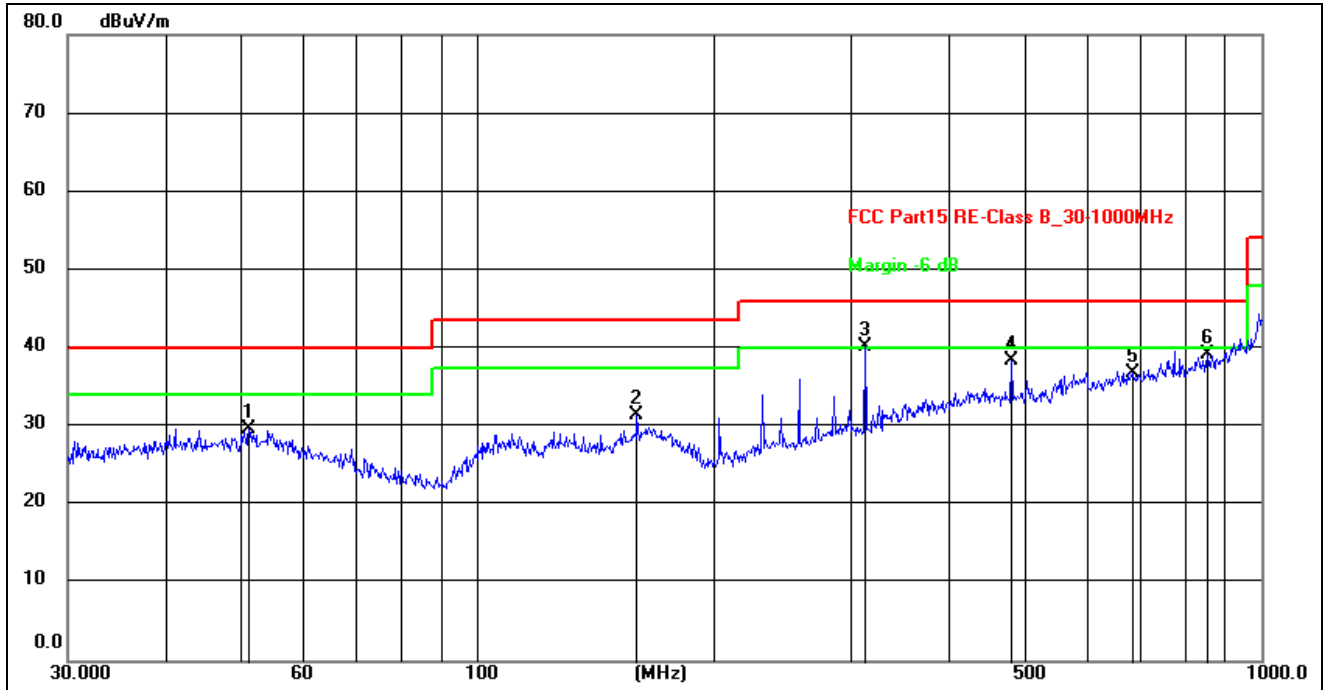
Frequency(MHz):			13.56			Polarity:		HORIZONTAL	
No.	Frequency (MHz)	Emission Level (dBuV/m)	Detector	Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Correction Factor (dB/m)
1	13.15	51.57	PK	80.5	28.93	46.87	5.26	-0.56	4.70
2	13.45	49.02	PK	90.47	41.45	46.78	5.36	-0.57	4.79
3	13.56	80.84	PK	124	43.16	75.96	5.45	-0.57	4.88
4	13.69	53.10	PK	90.47	37.37	47.96	5.49	-0.35	5.14
5	13.75	49.17	PK	80.5	31.33	43.84	5.63	-0.30	5.33

Frequency(MHz):			13.56			Polarity:		VERTICAL	
No.	Frequency (MHz)	Emission Level (dBuV/m)	Detector	Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Correction Factor (dB/m)
1	13.15	51.10	PK	80.5	29.40	46.40	5.26	-0.56	4.70
2	13.45	46.95	PK	90.47	43.52	42.16	5.36	-0.57	4.79
3	13.56	86.22	PK	124	37.78	81.34	5.45	-0.57	4.88
4	13.69	46.62	PK	90.47	43.85	41.48	5.49	-0.35	5.14
5	13.75	43.73	PK	80.5	36.77	38.40	5.63	-0.30	5.33

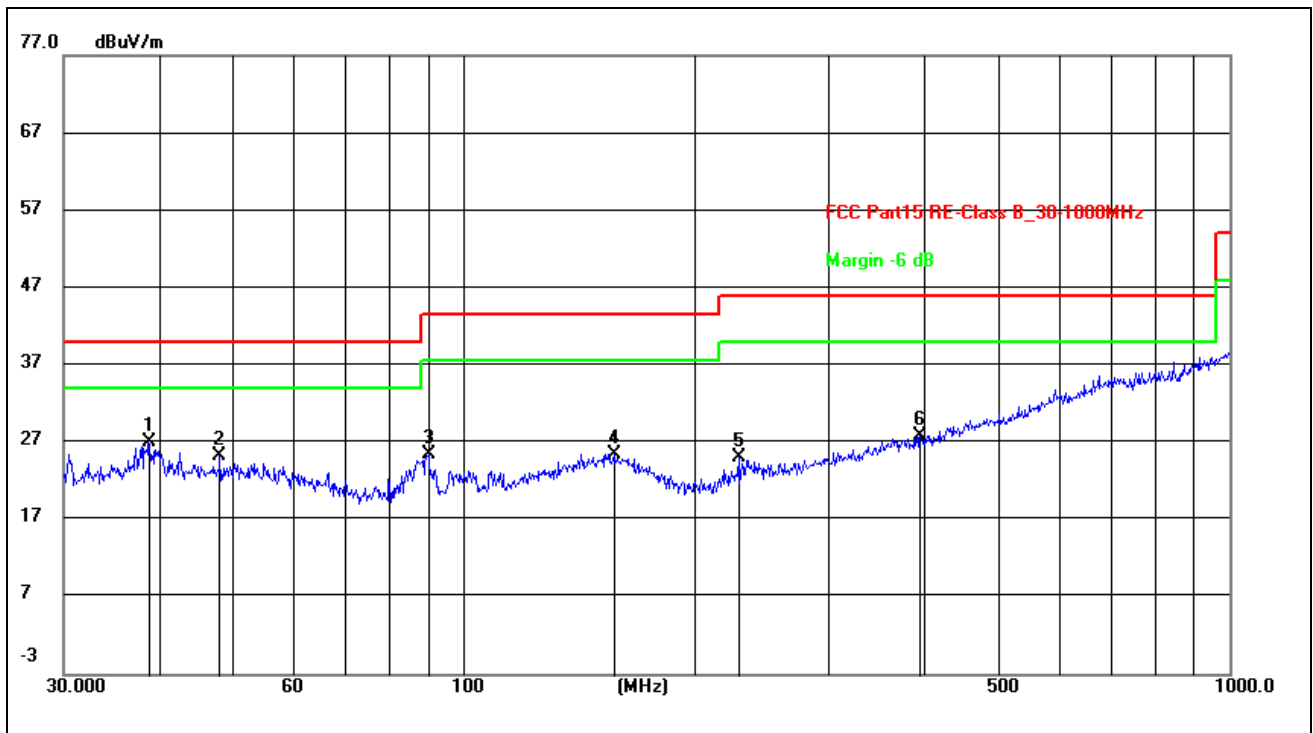
REMARKS:

1. Emission level (dBuV/m) =Raw Value (dBuV)+Correction Factor (dB/m)
2. Correction Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)
3. Margin value = Limit value- Emission level.
4. The other emission levels were very low against the limit.

For 30MHz-1GHz



Site: 966 LAB					Antenna::Horizontal			Temperature(C):24(C)		
Limit: FCC Part15 RE-Class B_30-1000MHz								Humidity(%):60%		
EUT: Beer fermenter and cooler					Test Time:			2023/9/22 2:32:41		
M/N.: iGulu F1					Power Rating:			AC 120V/60Hz		
Mode:					Test Engineer:					
Note:										
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	51.1209	15.66	14.01	29.67	40.00	-10.33	peak	200	3	N/A
2	159.7844	16.63	14.80	31.43	43.50	-12.07	peak	200	134	N/A
3 *	312.1794	25.42	14.87	40.29	46.00	-5.71	peak	100	310	N/A
4	480.5276	19.91	18.45	38.36	46.00	-7.64	peak	200	36	N/A
5	687.1506	14.50	22.37	36.87	46.00	-9.13	peak	100	332	N/A
6	854.0247	15.25	24.03	39.28	46.00	-6.72	peak	100	38	N/A



Site: 966 LAB					Antenna:: Vertical			Temperature(C): 24(C)		
Limit: FCC Part15 RE-Class B_30-1000MHz								Humidity(%): 60%		
EUT: Beer fermenter and cooler					Test Time:			2023/10/23 14:49:15		
M/N.: F1					Power Rating:			AC 120V/60Hz		
Mode:					Test Engineer:					
Note:										
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	51.4807	17.98	14.18	32.16	40.00	-7.84	QP	100	108	N/A
2	52.7600	18.87	14.09	32.96	40.00	-7.04	QP	100	358	N/A
3	71.8320	20.95	11.38	32.33	40.00	-7.67	peak	100	227	N/A
4	159.7844	17.65	15.46	33.11	43.50	-10.39	peak	100	49	N/A
5 *	312.1794	25.31	14.87	40.18	46.00	-5.82	peak	100	3	N/A
6	906.4824	14.92	24.78	39.70	46.00	-6.30	peak	200	159	N/A

3.2.2 Out-of-band Emissions

Frequency(MHz):			13.56			Polarity:		HORIZONTAL	
No.	Frequency (MHz)	Emission Level (dBuV/m)	Detector	Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Correction Factor (dB/m)
1	27.12	37.21	PK	69.54	32.33	29.71	7.25	0.25	7.50
2	40.68	31.92	PK	40	8.08	23.11	8.25	0.56	8.81
3	54.24	28.09	PK	40	11.91	19.05	8.30	0.74	9.04
4	67.80	23.57	PK	40	16.43	14.04	8.55	0.98	9.53

Frequency(MHz):			13.56			Polarity:		VERTICAL	
No.	Frequency (MHz)	Emission Level (dBuV/m)	Detector	Limit (dBuV/m)	Margin (dB)	Raw Value (dBuV)	Antenna Factor (dB/m)	Cable Factor (dB)	Correction Factor (dB/m)
1	27.12	41.31	PK	69.54	28.23	33.81	7.25	0.25	7.50
2	40.68	32.08	PK	40.00	7.92	23.27	8.25	0.56	8.81
3	54.24	30.98	PK	40.00	9.02	21.94	8.30	0.74	9.04
4	67.80	30.22	PK	40.00	9.78	20.69	8.55	0.98	9.53

REMARKS:

1. Emission level (dBuV/m) =Raw Value (dBuV)+Correction Factor (dB/m)
2. Correction Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)
3. Margin value = Limit value- Emission level.
4. The other emission levels were very low against the limit.

3.3. 20dB Bandwidth

Limit

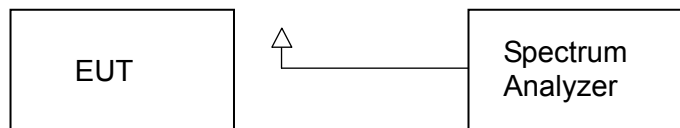
No limit for 20dB bandwidth.

Test Procedure

The 20dB bandwidth is measured with a spectrum analyzer connected via a receive antenna placed near the EUT while the EUT is operating in transmission mode.

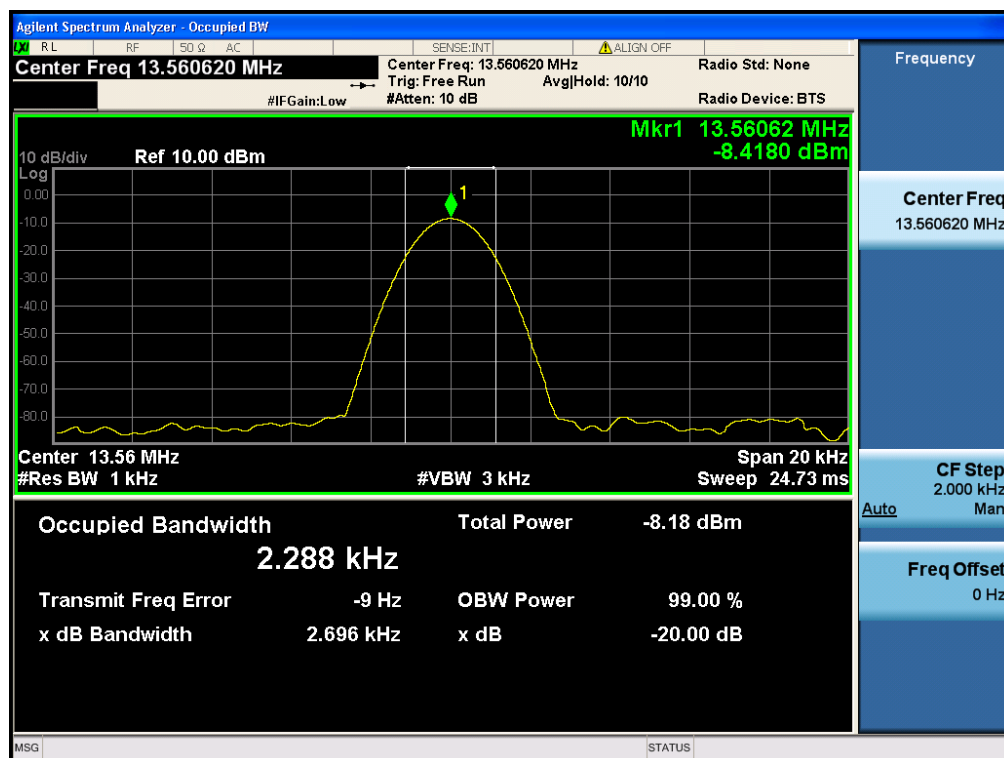
The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

Test Configuration



Test Results

Modulation	Frequency(MHz)	20dB bandwidth (KHz)	Result
ASK	13.56	2.696	Pass

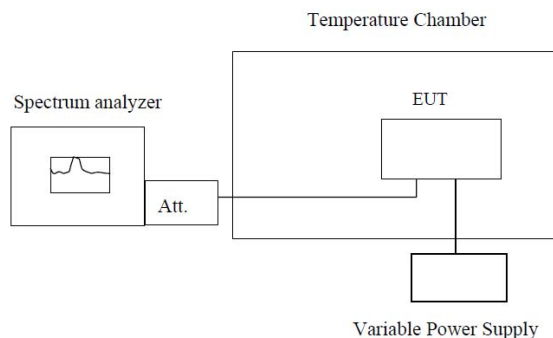


3.4. Frequency Stability Test Data

LIMIT

The frequency tolerance of the carrier signal shall be maintained within $\pm 0.01\%$ of the operating frequency over a temperature variation of -20 degrees to $+50$ degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.

TEST CONFIGURATION



Note : Measurement setup for testing on Antenna connector

TEST PROCEDURE

1. The equipment under test was connected to an external DC power supply and input rated voltage.
2. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators.
3. The EUT was placed inside the temperature chamber.
4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency.
5. Turn EUT off and set the chamber temperature to -20°C . After the temperature stabilized for approximately 30 minutes recorded the frequency.
6. Repeat step measure with 10°C increased per stage until the highest temperature of $+50^{\circ}\text{C}$ reached.
7. Reduce the input voltage to specified extreme voltage variation ($\pm 15\%$) or endpoint, record the maximum frequency change.

TEST RESULTS

Reference Frequency: 13.56MHz				
Voltage (V)	Temperature (°C)	Frequency (Hz)	Frequency Deviation(Hz)	Deviation (%)
12.0	+20(Ref)	13,560,069	69	0.005088
	-20	13,560,047	47	0.003466
	-10	13,560,035	35	0.002581
	0	13,559,952	-48	-0.003540
	+10	13,560,045	45	0.003319
	+20	13,560,052	52	0.003835
	+25	13,560,041	41	0.003024
	+30	13,560,052	52	0.003835
	+40	13,560,032	32	0.002360
	+50	13,560,019	19	0.001401
13.2	+20	13,560,054	54	0.003982
10.8	+20	13,560,038	38	0.002802

3.5. Antenna Requirement

Standard Applicable

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

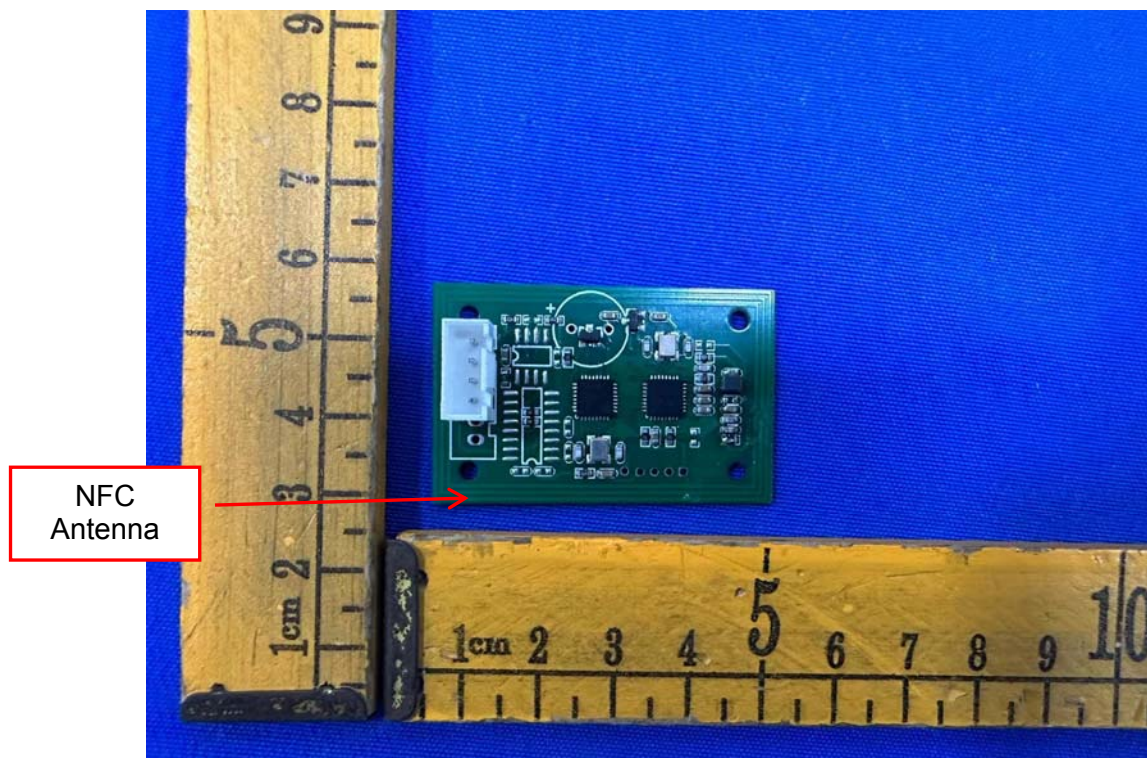
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit 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(c) (1) (I):

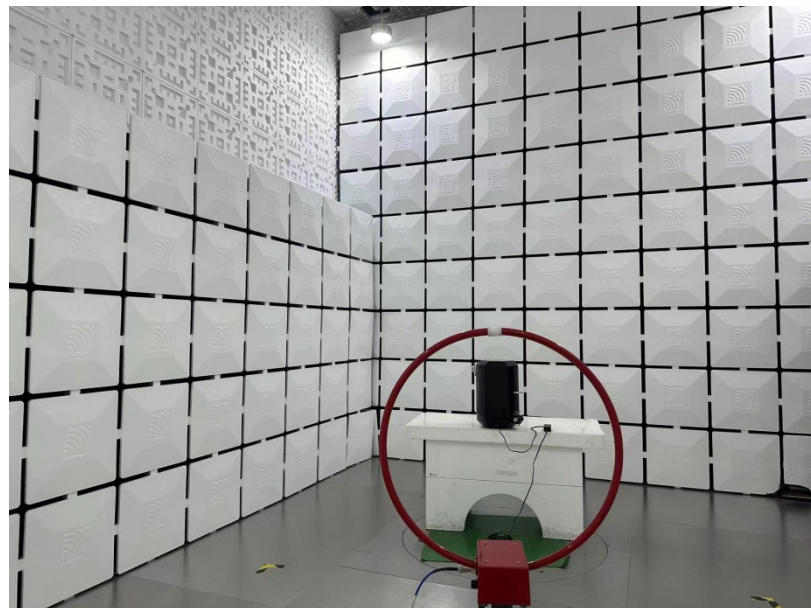
(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

Test Result:

The maximum gain of antenna was 0dBi.



4. Test Setup Photos of the EUT





5. External and Internal Photos of the EUT

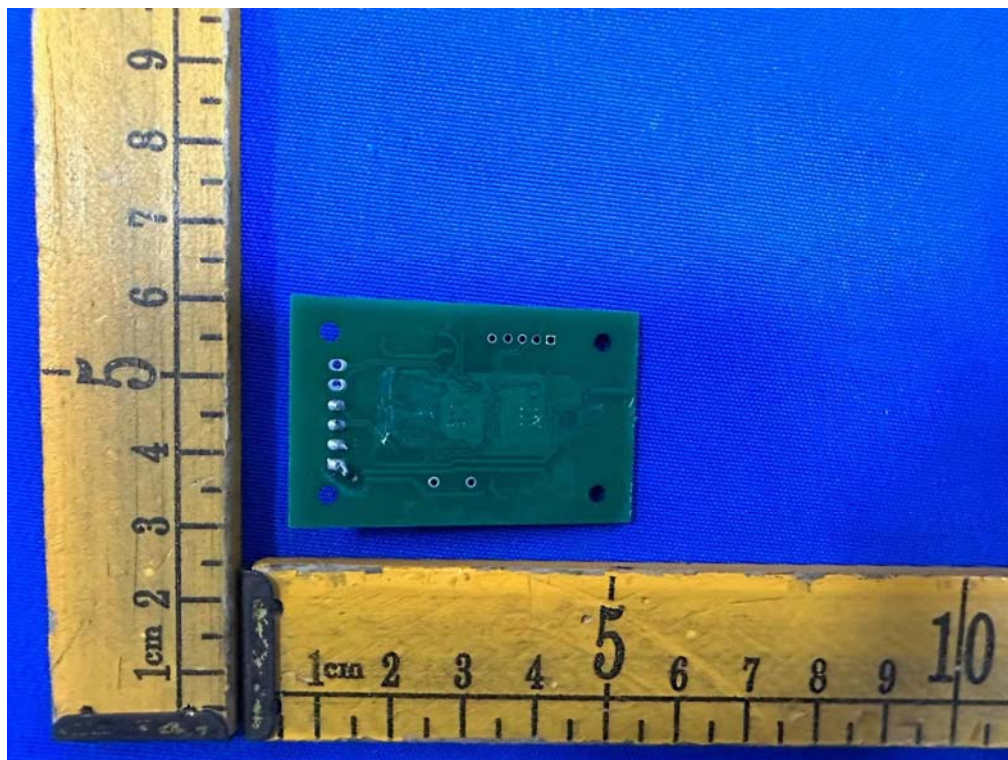
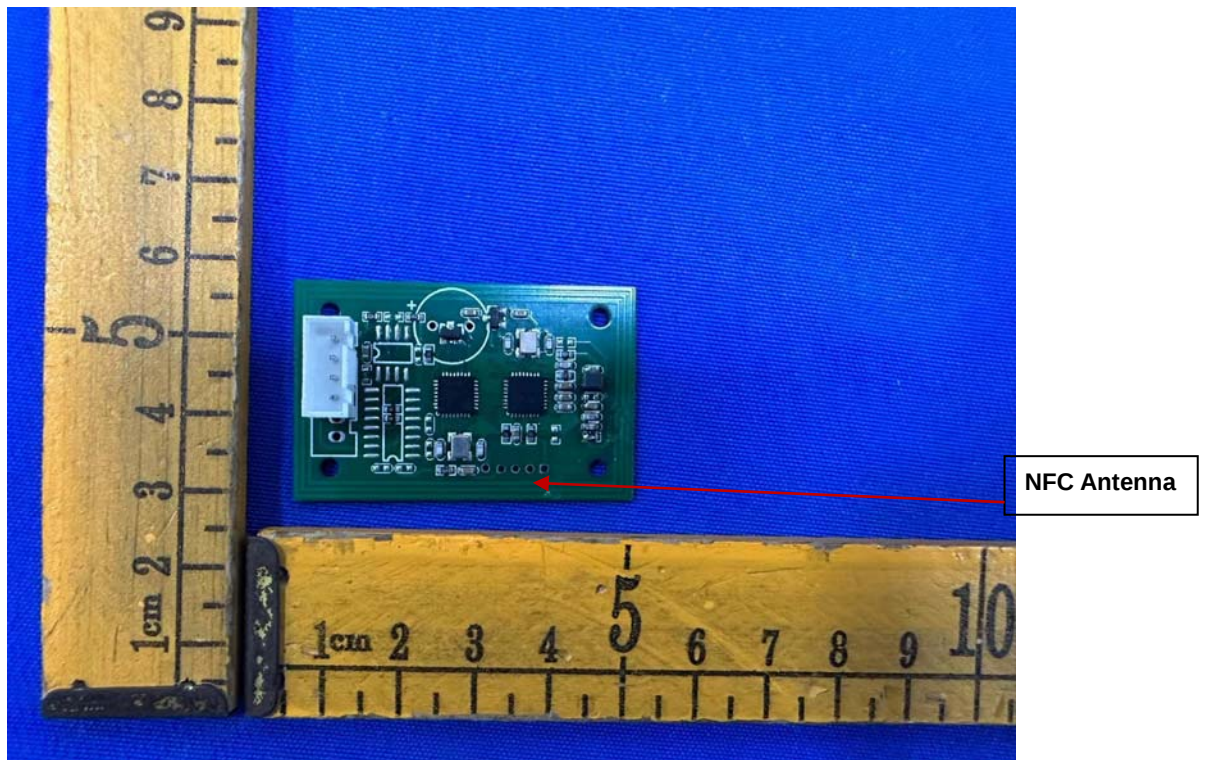






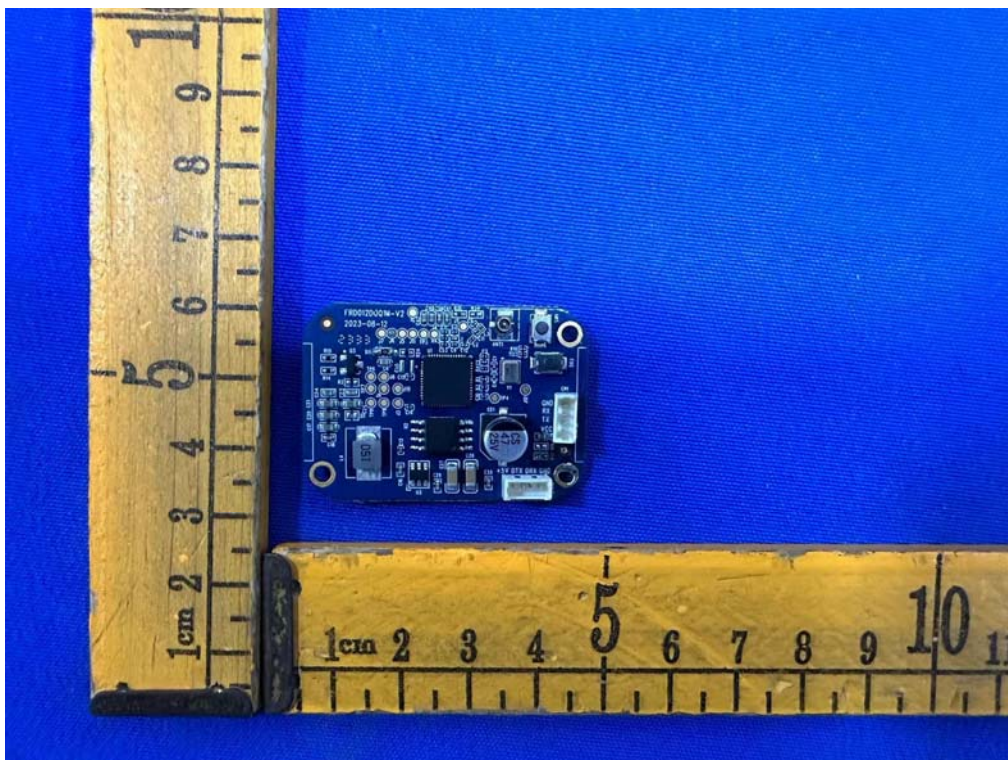
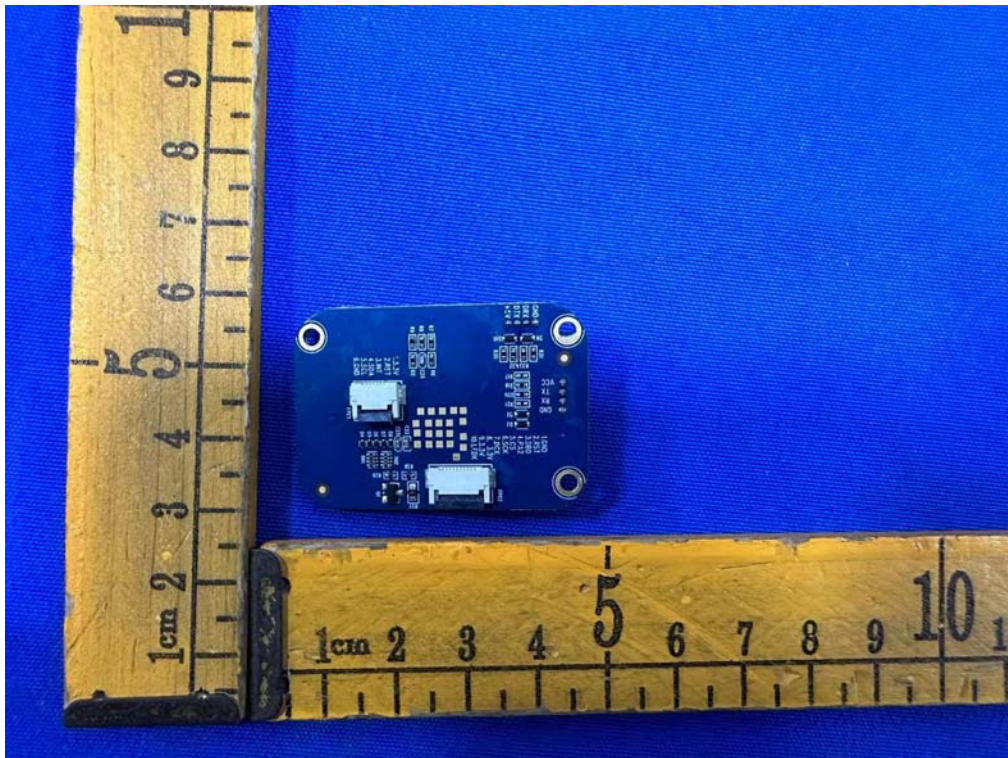


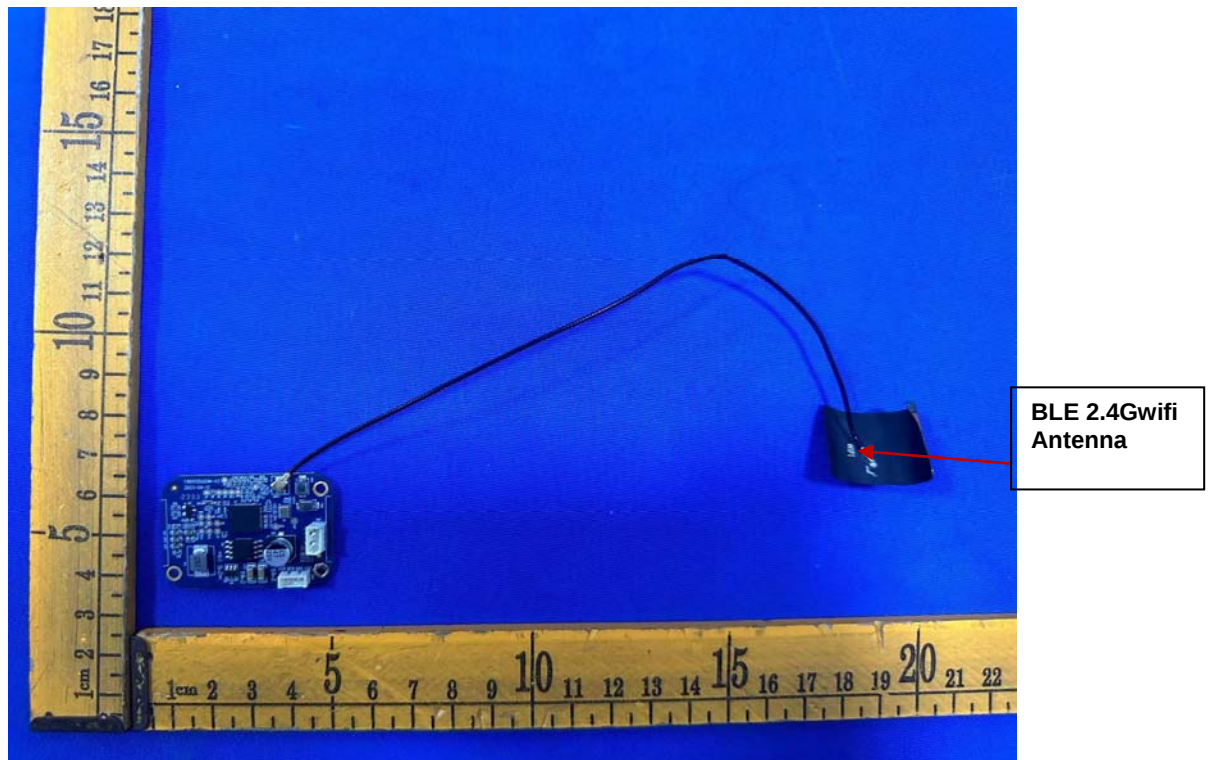












***** End of Report *****