

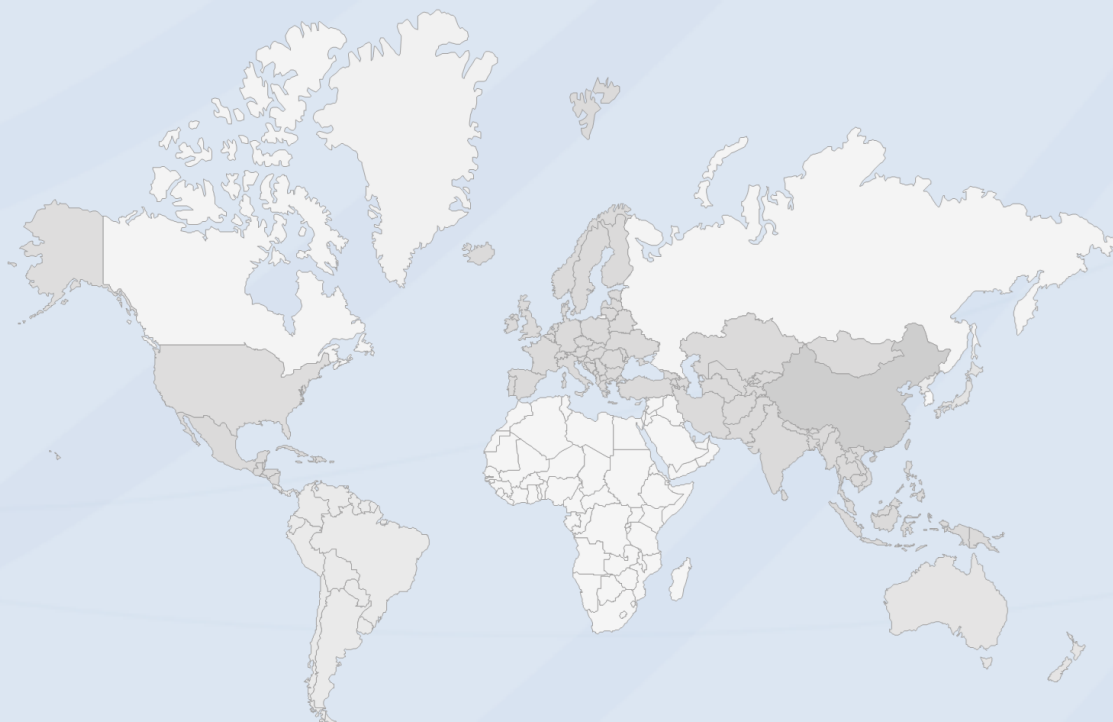
FCC TEST REPORT

Report No...... : NTC-ER2609029

Applicant's name : ITL intelligence Lighting Technology Co., Ltd

3&4rd Floor,Dazhongnan IndustrialPark,No.4 Huiyuan

Address..... : East Road,Huihuan Subdistrit, HUIZHOU,Guangdong
51600



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	:	2BB78-ITL-F433N
Applicant	:	ITL intelligence Lighting Technology Co., Ltd
Address	:	3&4rd Floor,Dazhongnan IndustrialPark,No.4 Huiyuan East Road,Huihuan Subdistrit, HUIZHOU,Guangdong 51600
Equipment under Test	:	Remote control
Model/Type reference	:	ITL-F433N
List Model(s)	:	N/A
Trade Mark	:	ITL
Manufacturer	:	ITL intelligence Lighting Technology Co., Ltd
Address	:	3&4rd Floor,Dazhongnan IndustrialPark,No.4 Huiyuan East Road,Huihuan Subdistrit, HUIZHOU,Guangdong 51600
Test Laboratory	:	Dongguan New Testing Centre Co., Ltd
CAB identifier	:	CN1264
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 and Regulations Part 15 Subpart C 15.231, ANSI C63.10:2020.

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-ER2609029		
Date of Test:	Sept.20,2026 to Sept.21,2026	Date of Report:	Sept.24,2026

Prepared By:

Taylor chen

Taylor Chen/Engineer



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 ****

Version	Description	Issued Data	Report No.	Remark
Version 1.0	Initial Test Report Release	2026-09-24	NTC-ER2609029	Dave Gao

1. SUMMARY

1.1. Test Standards

The tests were performed according to following standards:

[FCC Rules Part 15.231](#): Periodic operation in the band 40.66-40.70 MHz and above 70 MHz.

[ANSI C63.10:2020](#) : American National Standard for Testing Unlicensed Wireless Devices

1.2. Test Description

FCC and IC Requirements		
FCC Part 15.207	Conducted Emission	PASS
FCC Part 15.231(a)(1)	Automatically Deactivate	PASS
FCC Part 15.231(b)	Electric Field Strength of Fundamental Emission	PASS
FCC Part 15.205 & 15.209 & 15.231(b)	Electric Field Strength of Spurious Emission	PASS
FCC Part 15.231(c)	-20dB bandwidth	PASS

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

2. Test Facility

2.1 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. 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.

Test Item	Uncertainty
Uncertainty for Conduction emission test	3.2dB
Uncertainty for Radiation Emission test (30MHz – 1GHz)	4.60 dB (Polarize: V)
	4.60 dB (Polarize: H)
Uncertainty for Radiation Emission test (1GHz – 18GHz)	4.82 dB (Polarize: V)
	4.82 dB (Polarize: H)
Uncertainty for conducted RF Power	0.63dB
Stop Transmitting Time Test	±0.5%
Uncertainty for frequency error	5.8 x 10 ⁻⁸

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

3. GENERAL INFORMATION

3.1. Environmental conditions

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

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

3.2. General Description of EUT

Product Name:	Remote control
Model/Type reference:	ITL-F433N
Power supply:	DC 3.7V of Battery or DC 5V of Adapter
Modulation:	ASK
Operation frequency:	433.92MHz
Channel number:	1
Antenna type:	PCB Antenna
Antenna gain:	0dBi
Hardware version:	V1.0
Software version:	V1.0

Note: 1. For more details, please refer to the user's manual of the EUT.

2. The appearance of the buttons on this model sample may vary depending on the specific requirements of the customer, but the internal modules are the same.

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

This submittal(s) (test report) is intended to comply with Section 15.231 of the FCC Part 15, Subpart C Rules.

3.4. Modifications

No modifications were implemented to meet testing criteria.

3.5. Equipments Used During The Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Test Receiver	R&S	ESPI	100146	2026-05-11	1 Year
2	LISN	R&S	ENV216	3650.6550.06	2026-05-11	1 Year
3	LISN	KHC	KH3765	37650053	2026-05-11	1 Year
4	8-WIRE ISN for CAT6	R&S	ENY81-CA6	101862	2026-05-11	1 Year
5	RF Cable	HUBER	SUCOFLEX100	30722/4E	2025-05-08	2 Year
6	EMI Test Receiver	R&S	ESR	7250-304067528	2026-05-11	1 Year
7	Trilog Broadband Antenna	Schwarzbeck	VULB9168	00969	2025-05-08	2 Year
8	Pre-amplifier	R&S	8449B	3008A04721	2026-05-11	1 Year
9	Active Loop antenna	Schwarzbeck	FMZB-1519	1519-038	2026-05-11	1 Year
10	Horn antenna	Schwarzbeck	BBHA9120D	453	2025-05-08	2 Year
11	Double Ridged Horn Antenna	A.H. System	SAS-574	584	2026-05-11	1 Year
12	RF Cable	GORE	OSQ01Q01078.7	SN15458474	2026-05-11	1 Year
13	RF Cable	ESCO	ETS-LINGREN	RFC-SMS-100-SMS-340-IN	2026-05-11	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	2026-05-11	1 Year
16	SIGNAL GENERATOR	Agilent	N5182A	MY50141563	2026-05-11	1 Year
17	WIDEBAND RADIO COMMUNION TESTER	R&S	CMW500	1201.0002K50	2026-05-11	1 Year
18	POWER SENSOR	Agilent	U2021XA	MY54320040	2026-05-11	1 Year
19	POWER SENSOR	Agilent	U2021XA	MY55060007	2026-05-11	1 Year
20	MEASUREMENT SOFTWARE	MWRfTest	MTS8310	N/A	N/A	N/A

4. TEST CONDITIONS AND RESULTS

4.1. Conducted Emission

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 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 flood stand system; a wooden table with a height of 0.1 meters is used and is placed on the ground plane as per ANSI C63.10-2020.
2. Support equipment, if needed, was placed as per ANSI C63.10-2020
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10-2020
4. If a EUT received DC power from the USB Port of Notebook PC, the PC's 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

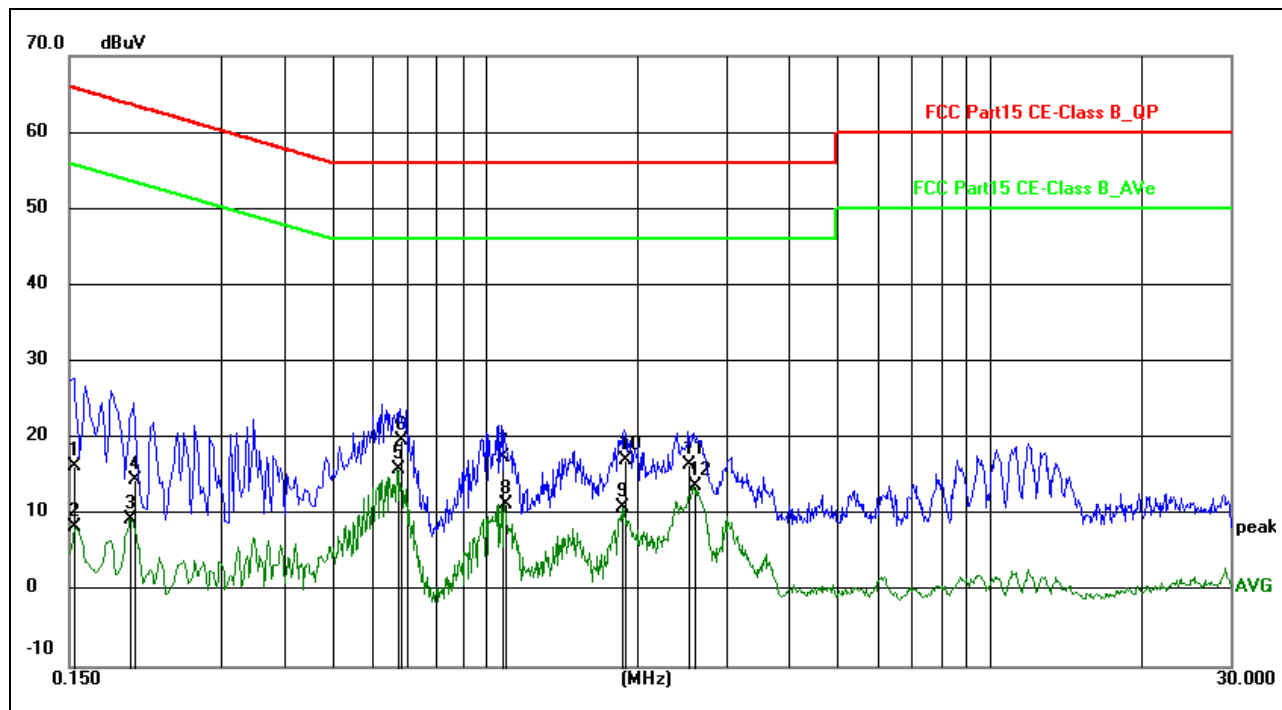
PASS. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: "----" means Peak detection; "----" means Average detection.

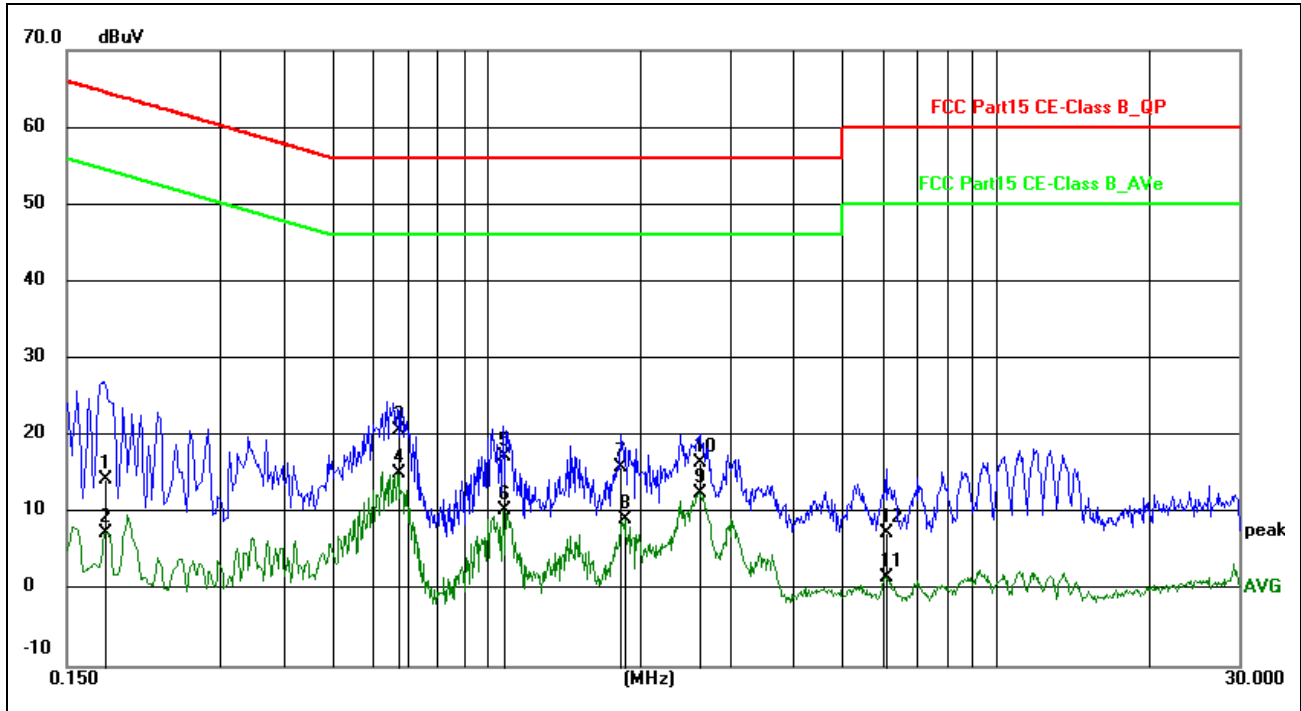
Note3: Measurement = Reading Level + Factor, Margin= Limit- Measurement.

Conducted Emission Test Result



Site:	844LAB	Phase:L1	Temperature(C):24(C)
Limit:	FCC Part15 CE-Class B_QP		Humidity(%):63%
EUT:	Remote control	Test Time:	2026/9/20 15:59:26
M/N.:	ITL-F433N	Power Rating:	DC 5V of Adapter
Mode:	Charging	Test Engineer:	Taylor Chen
Note:			

No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV)	Limit (dBuV)	Margin (dB)	Detector	Comment
1	0.1539	5.63	10.59	16.22	65.79	49.57	QP	
2	0.1539	-2.24	10.59	8.35	55.79	47.44	AVG	
3	0.1980	-1.07	10.52	9.45	53.69	44.24	AVG	
4	0.2020	4.07	10.52	14.59	63.53	48.94	QP	
5 *	0.6700	5.33	10.50	15.83	46.00	30.17	AVG	
6	0.6820	9.15	10.50	19.65	56.00	36.35	QP	
7	1.0780	7.07	10.51	17.58	56.00	38.42	QP	
8	1.0940	0.79	10.51	11.30	46.00	34.70	AVG	
9	1.8700	0.52	10.50	11.02	46.00	34.98	AVG	
10	1.8940	6.66	10.51	17.17	56.00	38.83	QP	
11	2.5340	5.98	10.48	16.46	56.00	39.54	QP	
12	2.5980	3.34	10.48	13.82	46.00	32.18	AVG	



Site:	844LAB	Phase:	N	Temperature(C):	24(C)
Limit:	FCC Part15 CE-Class B_QP			Humidity(%):	63%
EUT:	Remote control	Test Time:	2026/9/20 16:02:25		
M/N.:	ITL-F433N	Power Rating:	DC 5V of Adapter		
Mode:	Charging	Test Engineer:	Taylor Chen		
Note:					

No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV)	Limit (dBuV)	Margin (dB)	Detector	Comment
1	0.1780	3.74	10.57	14.31	64.58	50.27	QP	
2	0.1780	-3.23	10.57	7.34	54.58	47.24	AVG	
3	0.6700	10.18	10.46	20.64	56.00	35.36	QP	
4 *	0.6700	4.57	10.46	15.03	46.00	30.97	AVG	
5	1.0820	6.80	10.48	17.28	56.00	38.72	QP	
6	1.0820	-0.21	10.48	10.27	46.00	35.73	AVG	
7	1.8300	5.47	10.50	15.97	56.00	40.03	QP	
8	1.8700	-1.34	10.50	9.16	46.00	36.84	AVG	
9	2.6099	2.14	10.47	12.61	46.00	33.39	AVG	
10	2.6260	6.08	10.47	16.55	56.00	39.45	QP	
11	6.0700	-8.75	10.33	1.58	50.00	48.42	AVG	
12	6.1180	-3.02	10.33	7.31	60.00	52.69	QP	

4.2. Radiated Emission

Limit

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

Frequency (MHz)	Distance (Meters)	Radiated (dBμV/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	$20\log(24000/F(\text{KHz}))+40\log(30/3)$	$24000/F(\text{KHz})$
1.705-30	3	$20\log(30)+40\log(30/3)$	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

In addition to the provisions of 15.231(b) and RSS 210-A1.1.2, the field strength of emissions from intentional radiators operated under this section shall not exceed the following:

Fundamental frequency (MHz)	Field strength of fundamental (microvolts/meter)	Field strength of spurious emissions (microvolts/meter)
40.66-40.70	2,250	225
70-130	1,250	125
130-174	¹ 1,250 to 3,750	¹ 125 to 375
174-260	3,750	375
260-470	¹ 3,750 to 12,500	¹ 375 to 1,250
Above 470	12,500	1,250

¹ Linear interpolations.

[Where F is the frequency in MHz, the formulas for calculating the maximum permitted fundamental field strengths are as follows: for the band 260-470 MHz, $\mu\text{V/m}$ at 3 meters $=41.6667(F) - 7083.3333$. The maximum permitted unwanted emission level is 20 dB below the maximum permitted fundamental level.]

Note:

(1)The tighter limit applies at the band edges.

(2)For above 30MHz:

Emission Level(dBuV/m)=20log Emission Level(uV/m)

For 0.009-0.490MHz:

Emission Level(dBuV/m)=20log Emission Level(uV/m)+40log(300/3)

For 0.049-30MHz:

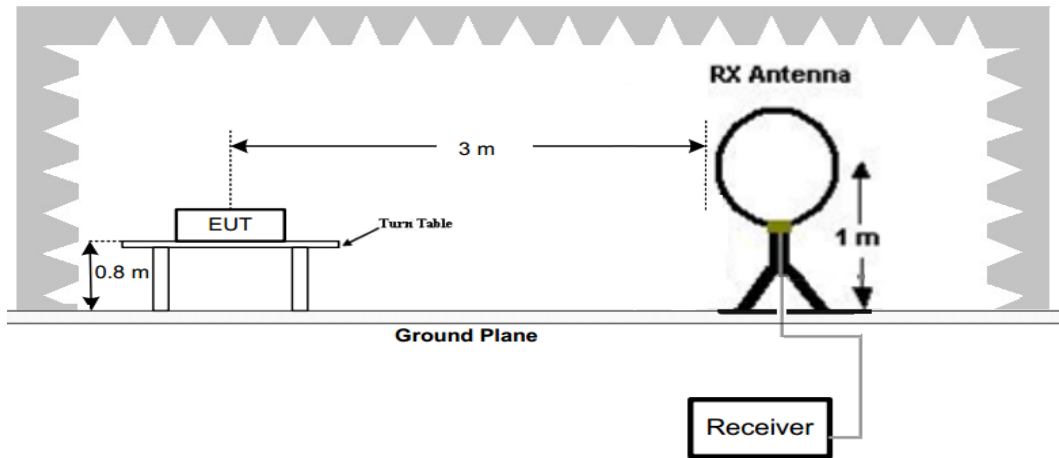
Emission Level(dBuV/m)=20log Emission Level(uV/m)+40log(30/3)

So the field strength of emission limits have been calculated in below table.

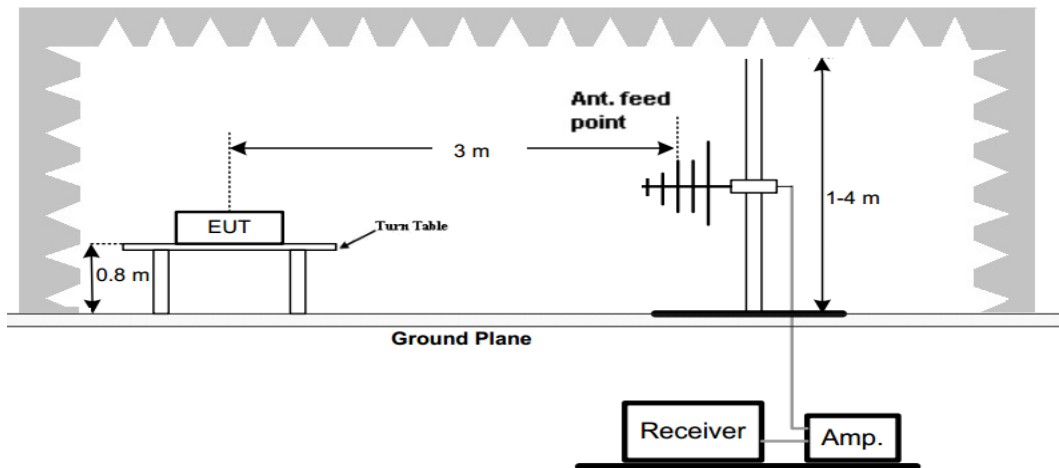
Fundamental Frequency(MHz)	Field Strength of Fundamental (microvolt/meter) at 3m
433.92 MHz	80.82(Average)
433.92 MHz	100.82(Peak)

TEST CONFIGURATION

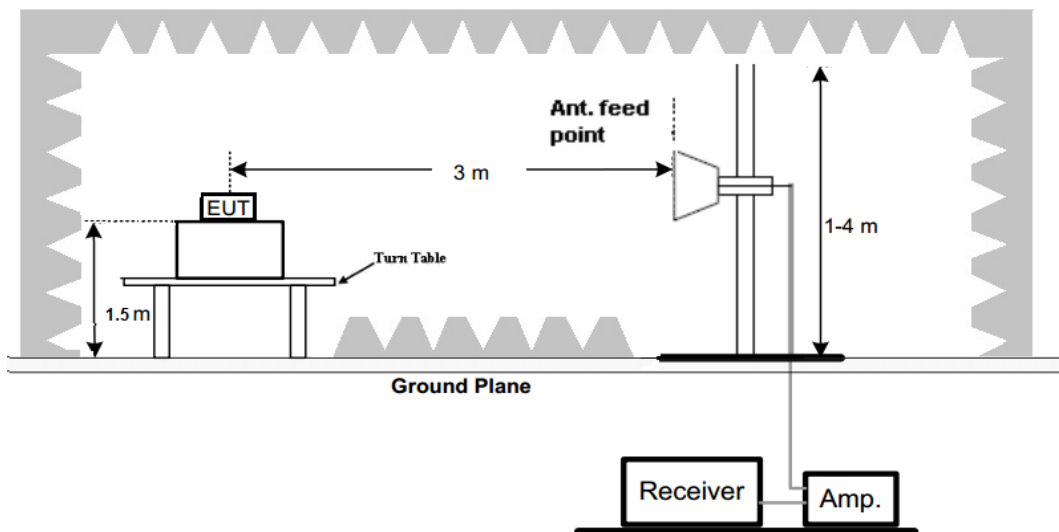
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz



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



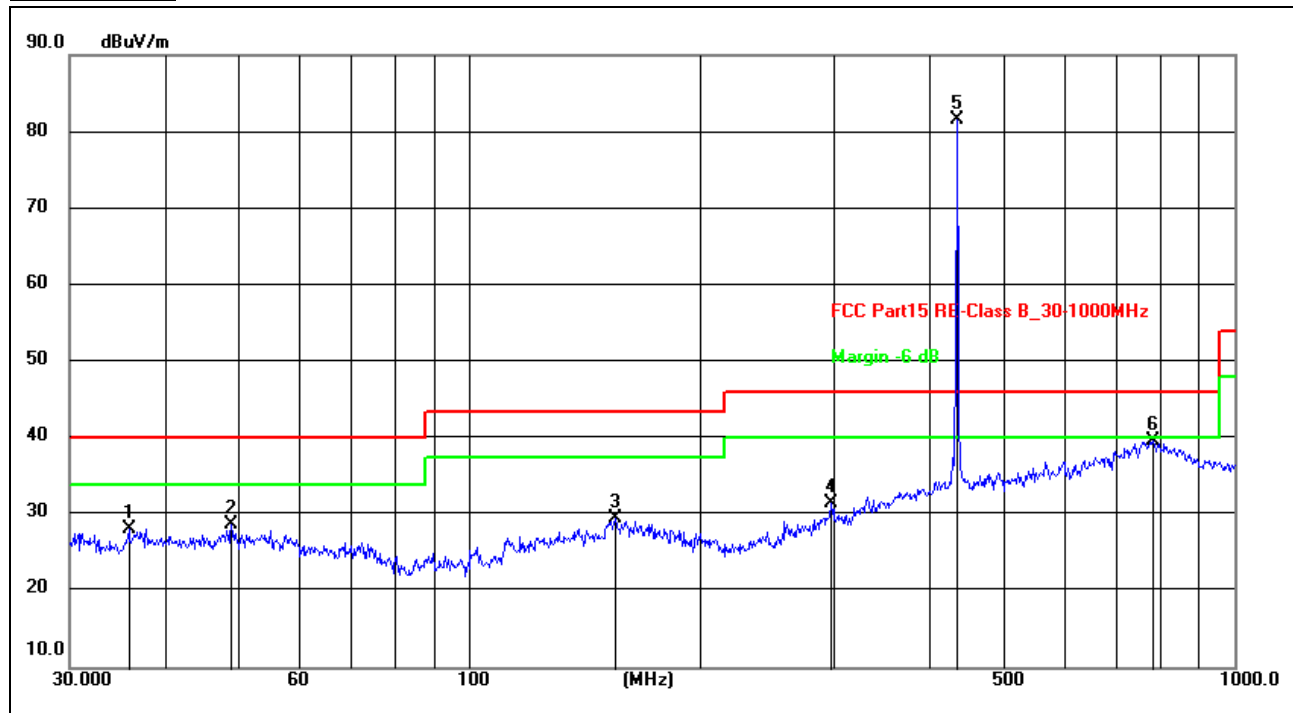
(C) Radiated Emission Test Set-Up, Frequency above 1000MHz



Test Procedure

1. The EUT was placed on the top of a rotating table (0.8 meter below 1G and 1.5 meters above 1G) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotating table was turned from 0 degrees to 360 degrees to find the maximum reading.
 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasipeak or average method as specified and then reported in a data sheet.
 7. The radiation measurements are performed in X, Y, Z axis positioning. And found the Y axis positioning which is worse case, only the test worst case mode is recorded in the report.
-

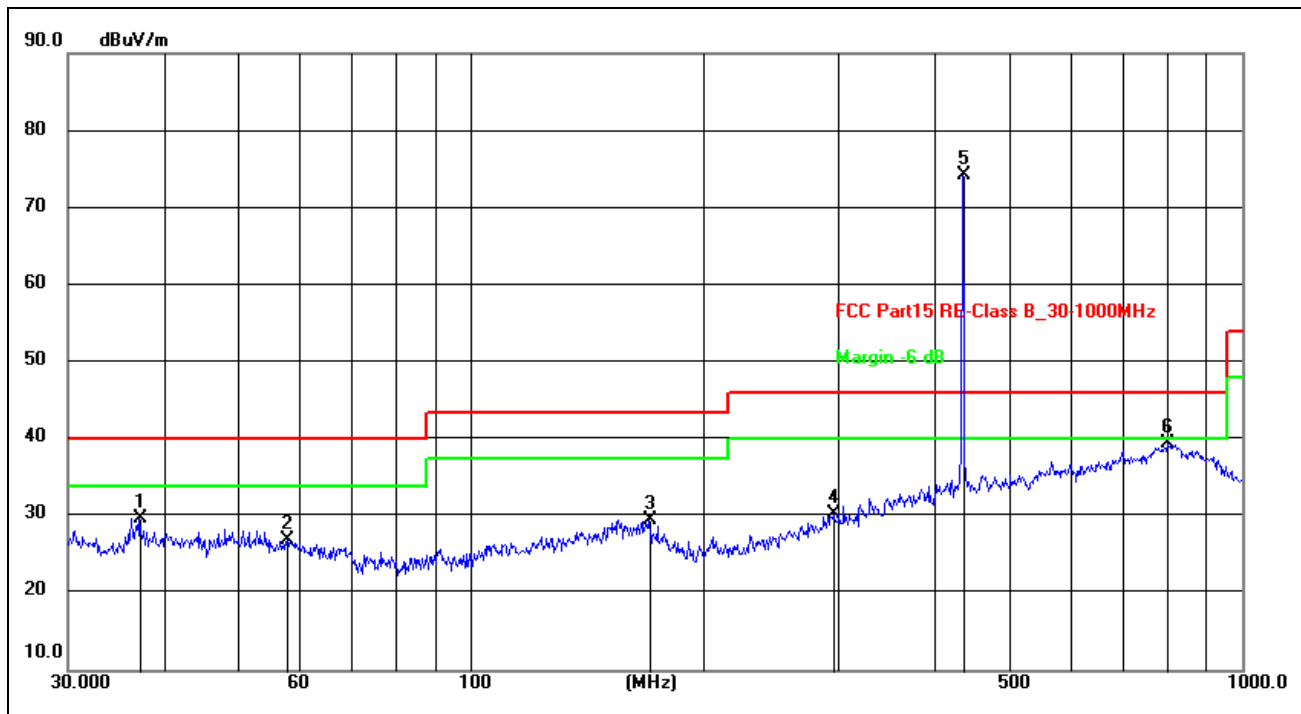
TEST RESULTS



Site:	966LAB	Antenna::Horizontal	Temperature(C):24(C)
Limit:	FCC Part15 RE-Class B_30-1000MHz		Humidity(%):60%
EUT:	Remote control	Test Time:	2026/9/20 14:54:33
M/N.:	ITL-F433N	Power Rating:	DC 3.7V
Mode:	Working	Test Engineer:	Taylor chen
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	35.8746	14.29	13.90	28.19	40.00	11.81	peak	200	308	
2	48.8428	14.70	13.98	28.68	40.00	11.32	peak	200	356	
3	155.3643	14.69	14.90	29.59	43.50	13.91	peak	100	243	
4	297.2240	16.83	14.67	31.50	46.00	14.50	peak	100	141	
5 *	433.0650	63.10	18.56	81.66	46.00	-35.66	peak	100	59	
6	782.3452	14.96	24.67	39.63	46.00	6.37	peak	100	307	

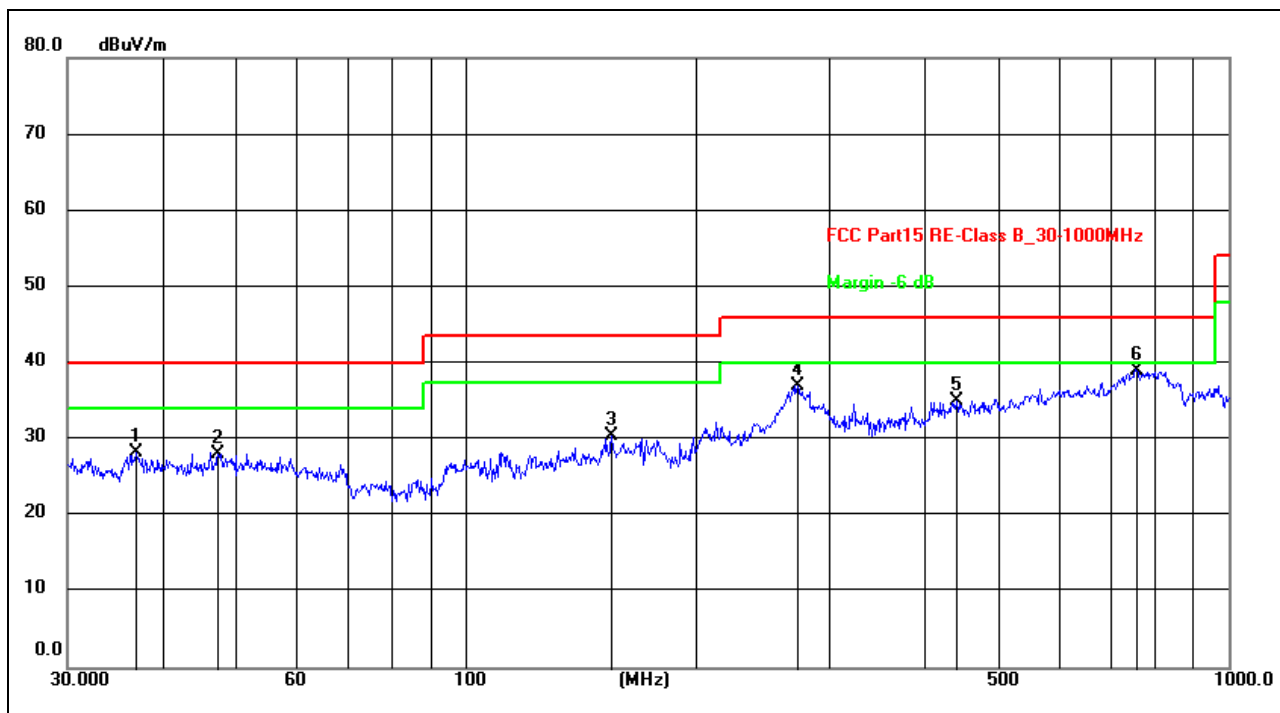
Fundamental and Harmonics						
Freq(MHz)	Peak Level (dBuV/m)	AV Factor(dB/m) (see Attachment D)	Average Level (dBuV/m)	Limit(dBuV/m) (average)	Limit(dBuV/m) (Peak)	Conclusion
433.0650	81.66	-10.52	71.14	80.82	100.82	PASS



Site:	966LAB	Antenna::Vertical	Temperature(C):24(C)
Limit:	FCC Part15 RE-Class B_30-1000MHz		Humidity(%):60%
EUT:	Remote control	Test Time:	2026/9/20 14:57:10
M/N.:	ITL-F433N	Power Rating:	DC 3.7V
Mode:	Working	Test Engineer:	Taylor Chen
Note:			

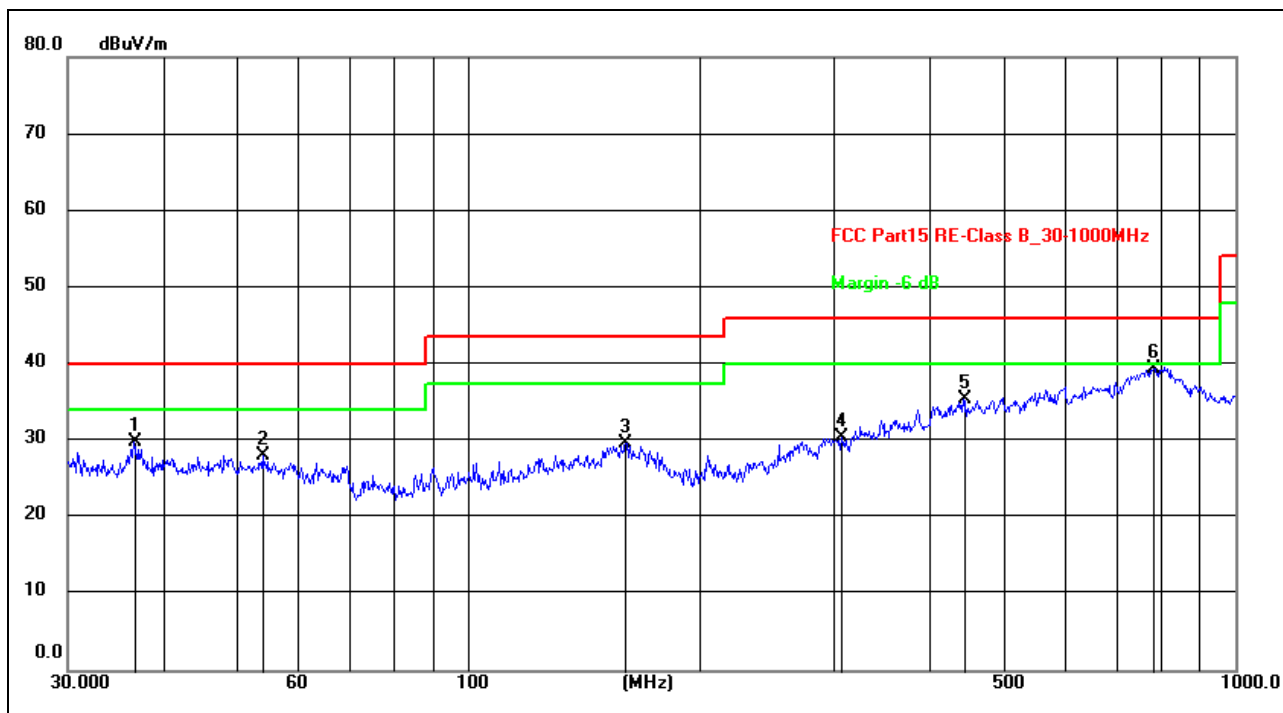
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	37.1550	15.59	14.25	29.84	40.00	10.16	peak	200	52	
2	57.7962	13.69	13.22	26.91	40.00	13.09	peak	200	231	
3	170.1948	16.36	13.23	29.59	43.50	13.91	peak	100	355	
4	295.1469	15.69	14.74	30.43	46.00	15.57	peak	100	283	
5 *	433.0650	55.57	18.56	74.13	46.00	-28.13	peak	100	235	
6	801.7863	14.44	25.13	39.57	46.00	6.43	peak	100	150	

Fundamental and Harmonics						
Freq(MHz)	Peak Level (dBuV/m)	AV Factor(dB/m) (see Attachment D)	Average Level (dBuV/m)	Limit(dBuV/m) (average)	Limit(dBuV/m) (Peak)	Conclusion
433.0650	74.13	-10.52	63.61	80.82	100.82	PASS



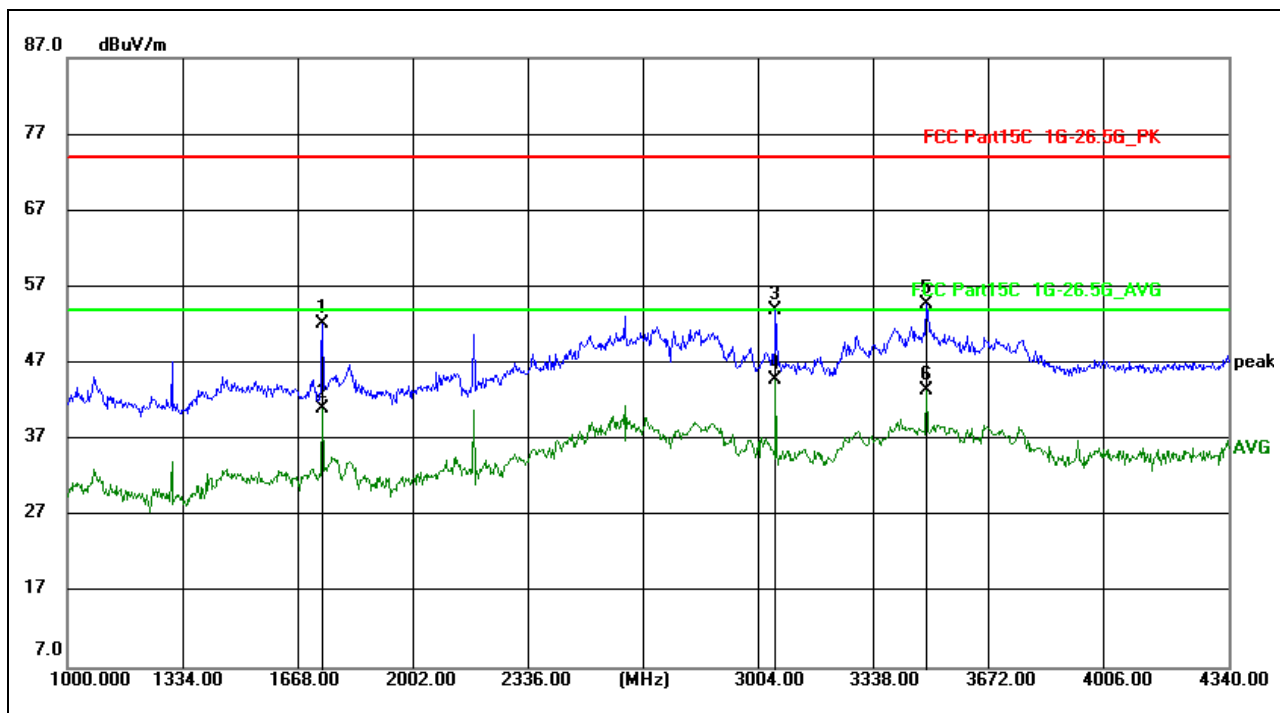
Site: 966LAB Antenna::Horizontal Temperature(C):24(C)
Limit: FCC Part15 RE-Class B_30-1000MHz Humidity(%):60%
EUT: Remote control Test Time: 2026/9/20 15:11:57
M/N.: ITL-F433N Power Rating: DC 5V of Adapter
Mode: Charging Test Engineer: Taylor Chen
Note:

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	36.8953	13.87	14.38	28.25	40.00	11.75	peak	200	355	
2	47.3255	14.34	13.79	28.13	40.00	11.87	peak	100	78	
3	155.3643	15.51	14.90	30.41	43.50	13.09	peak	100	239	
4	272.2776	23.45	13.52	36.97	46.00	9.03	peak	200	355	
5	440.1962	16.58	18.43	35.01	46.00	10.99	peak	200	190	
6 *	758.0407	14.12	24.92	39.04	46.00	6.96	peak	200	331	



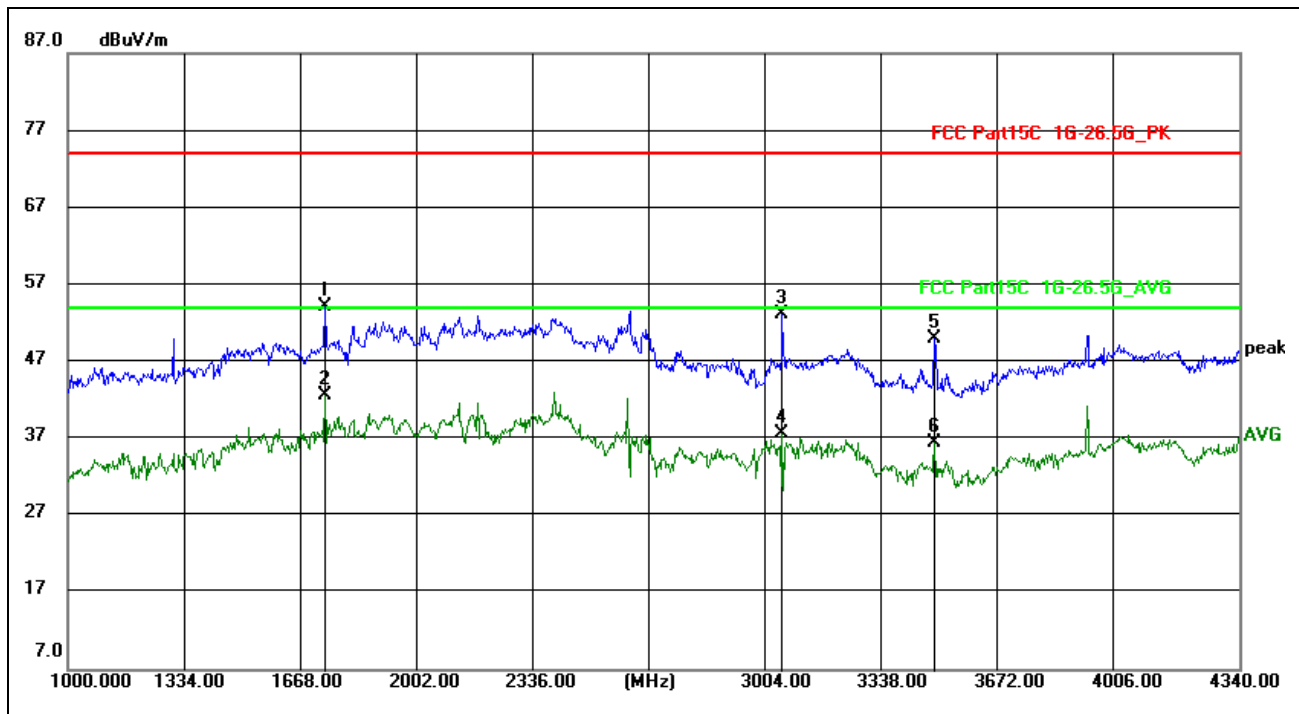
Site:	966LAB	Antenna::Vertical	Temperature(C):24(C)
Limit:	FCC Part15 RE-Class B_30-1000MHz		Humidity(%):60%
EUT:	Remote control	Test Time:	2026/9/20 15:17:31
M/N.:	ITL-F433N	Power Rating:	DC 5V of Adapter
Mode:	Charging	Test Engineer:	Taylor Chen
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	36.6375	15.60	14.30	29.90	40.00	10.10	peak	200	291	
2	53.8818	14.33	13.67	28.00	40.00	12.00	peak	100	289	
3	160.3456	14.89	14.69	29.58	43.50	13.92	peak	200	263	
4	306.7537	15.77	14.70	30.47	46.00	15.53	peak	200	339	
5	441.7426	17.07	18.37	35.44	46.00	10.56	peak	200	34	
6 *	782.3453	14.73	24.67	39.40	46.00	6.60	peak	200	31	



Site:	966LAB	Antenna::Horizontal	Temperature(C):24(C)
Limit:	FCC Part15C 1G-26.5G_PK		Humidity(%):60%
EUT:	Remote control	Test Time:	2026/9/20 15:28:16
M/N.:	ITL-F433N	Power Rating:	DC 3.7V
Mode:	Working	Test Engineer:	Taylor chen
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	1734.800	70.21	-18.09	52.12	74.00	21.88	peak			
2	1734.800			41.90	54.00	12.40	AVG			
3	3037.400	64.50	-10.59	53.91	74.00	20.09	peak			
4 *	3037.400			43.39	54.00	9.79	AVG			
5	3471.600	63.93	-9.20	54.73	74.00	19.27	peak			
6	3471.600			44.21	54.00	9.79	AVG			



Site:	966LAB	Antenna::Vertical	Temperature(C):24(C)
Limit:	FCC Part15C 1G-26.5G_PK		Humidity(%):60%
EUT:	Remote control	Test Time:	2026/9/20 12:33:25
M/N.:	ITL-F433N	Power Rating:	DC 3.7V
Mode:	Working	Test Engineer:	Taylor Chen
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	1734.800	72.21	-18.09	54.12	74.00	19.88	peak			
2 *	1734.800			43.60	54.00	10.40	AVG			
3	3037.400	63.70	-10.59	53.11	74.00	20.89	peak			
4	3037.400			42.59	54.00	11.41	AVG			
5	3471.600	59.12	-9.20	49.92	74.00	24.08	peak			
6	3471.600			39.40	54.00	14.60	AVG			

Note:

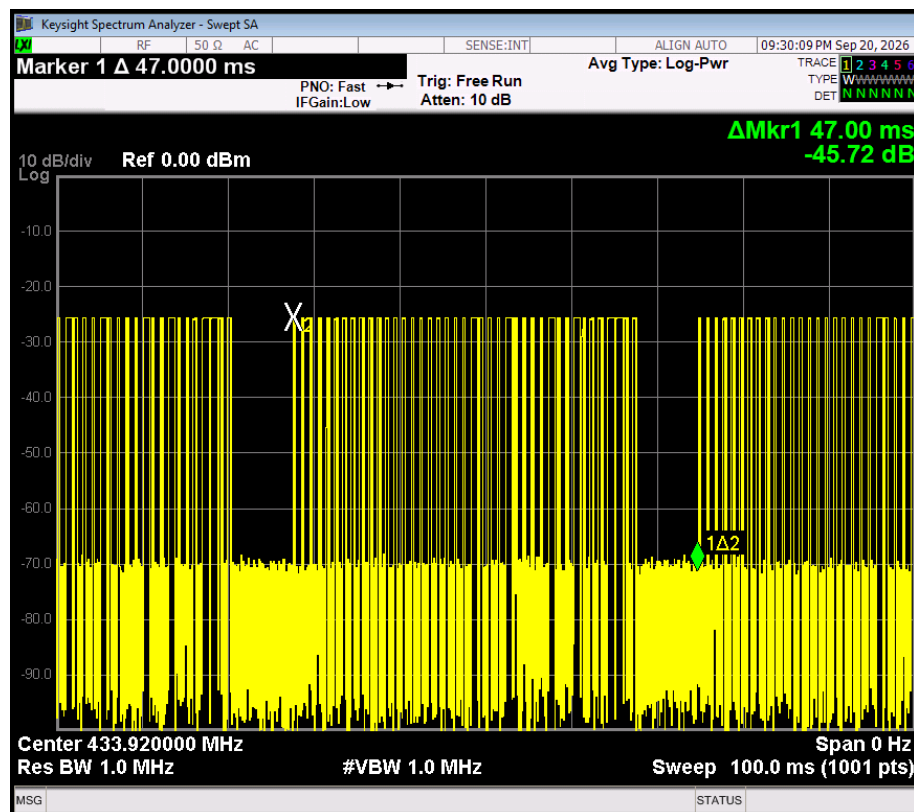
1. All Readings are Peak Value
2. Correct Factor= Antenna Factor +Cable Loss- Amplifier Gain
3. Emission Level= Reading Level+Probe Factor +Cable Loss
4. AV Level (dBuV/m)= PK Level (dBuV/m)+ AV Factor(dB)
5. Margin = limit -TrueValue (if margin is minus means over limit)

In a transmit cycle 47.00ms period found 0.760ms burst 8 pcs,0.240ms burst 33 pcs the Duty Cycle can calculate as below:

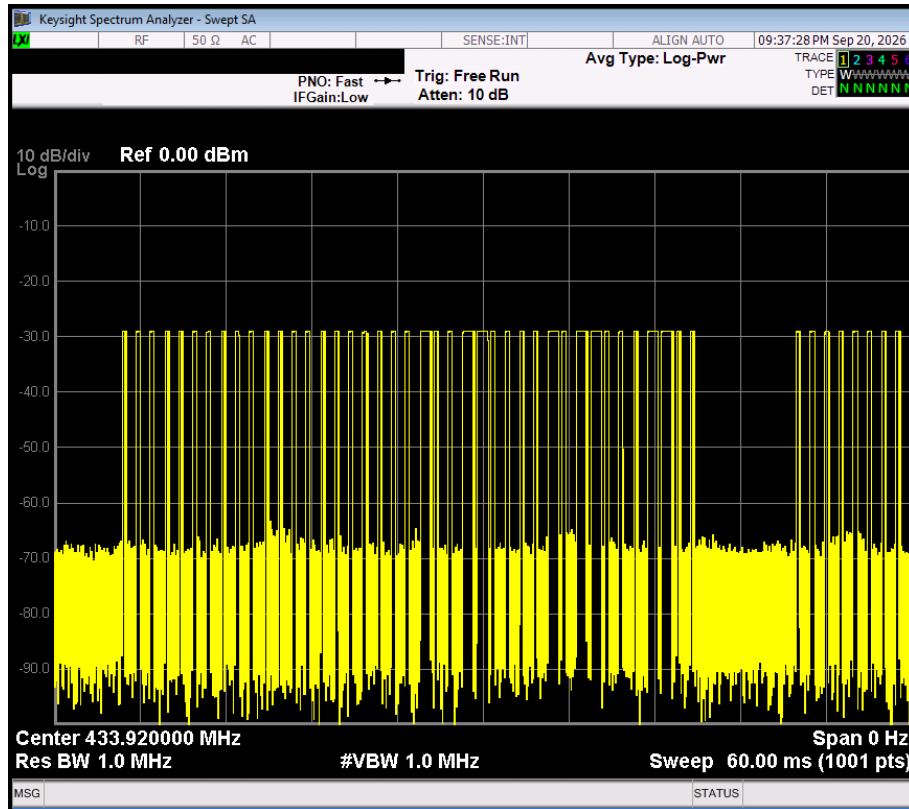
1. Test Key: The buttons in the red box are used for all the tests, as shown in the EUT diagram below.
2. Signal Uniformity: Pre-test measurements confirmed that all keys produce RF signals with identical strength, frequency, and modulation at 433.92MHz, as the EUT uses a single RF circuit. Testing the Power Key therefore captures the worst-case emission characteristics.
3. Strongest Signal Assurance: Continuous operation of the Power Key ensured measurement of the complete, repeated transmission sequence, representing the EUT's maximum emission state.



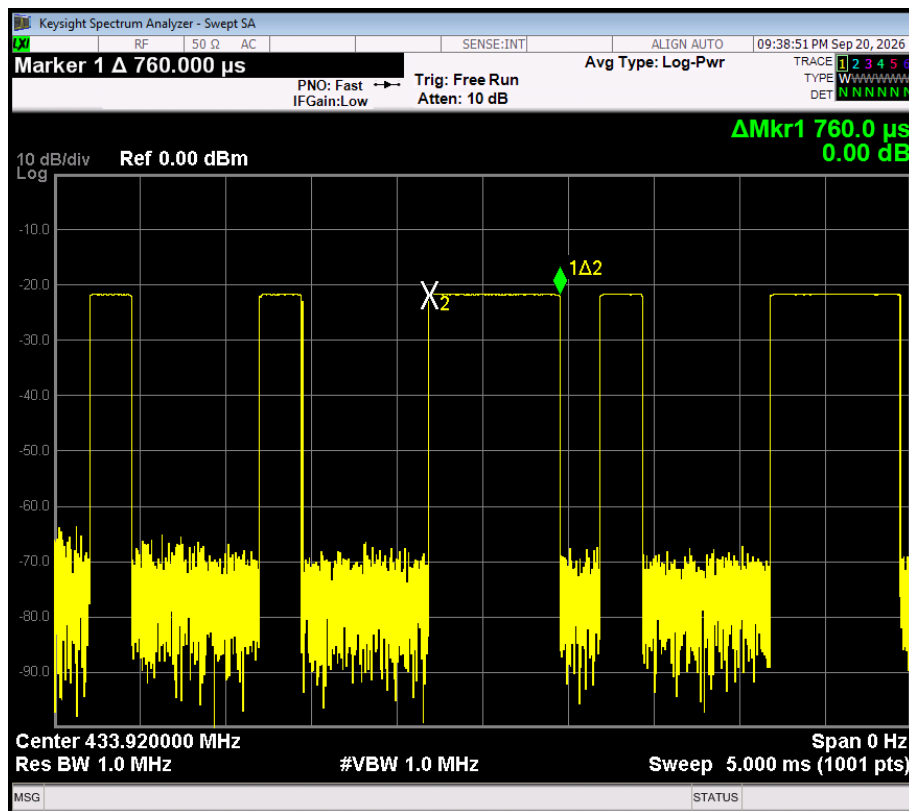
4. Duty Cycle= $(0.760 \times 8 + 0.240 \times 33) / 47.00 = 0.2979$
5. AV Factor= $20 \times \log(\text{Duty Cycle}) = 20 \times \log(0.2979) = -10.52$
(The plot of Duty Cycle See the follow page)
6. All the x/y/z orientation has been investigated, and only worst case is presented in this report,
New battery is used during all test.



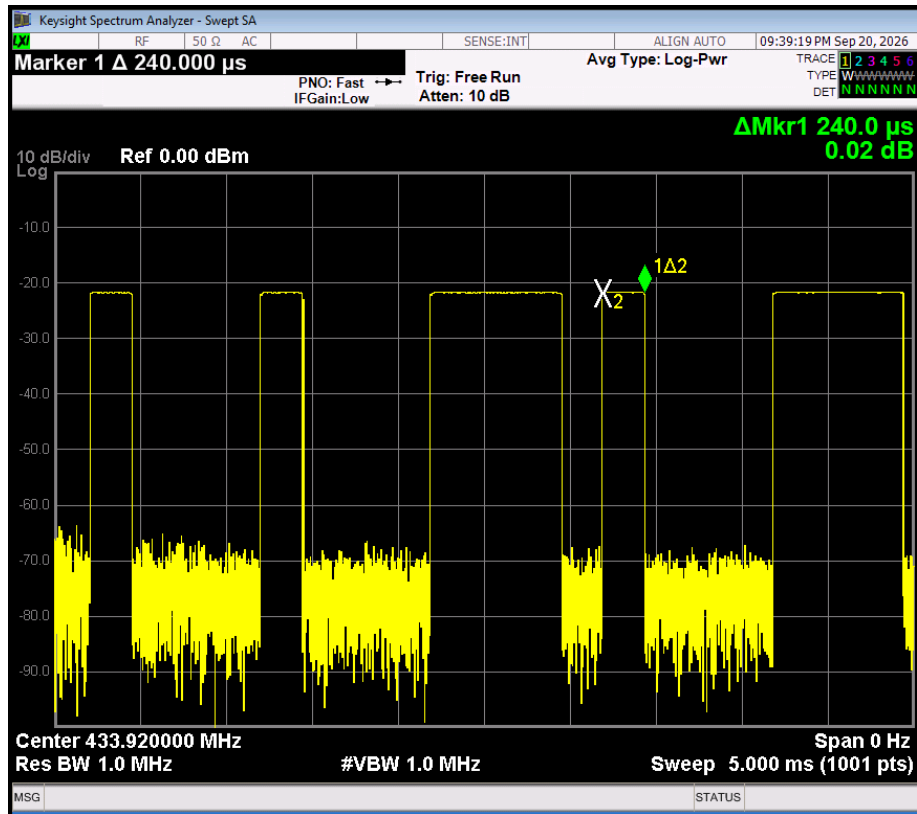
(Transmit cycle 47.00ms)



(Total Bursts in a transmit cycle 41 pcs)



(0.760ms burst 8 pcs)



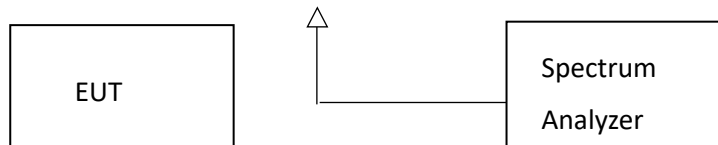
(0.240ms burst 33 pcs)

4.3. -20dB Bandwidth

Limit

According to 47 CFR 15.231(c) The bandwidth of the emission shall be no wider than 0.25% of the centre frequency for devices operating above 70MHz and below 900MHz. Bandwidth is determined at the points 20dB down from the modulated carrier.

Test Configuration



Test Procedure

The 20dB bandwidth and 99% 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.

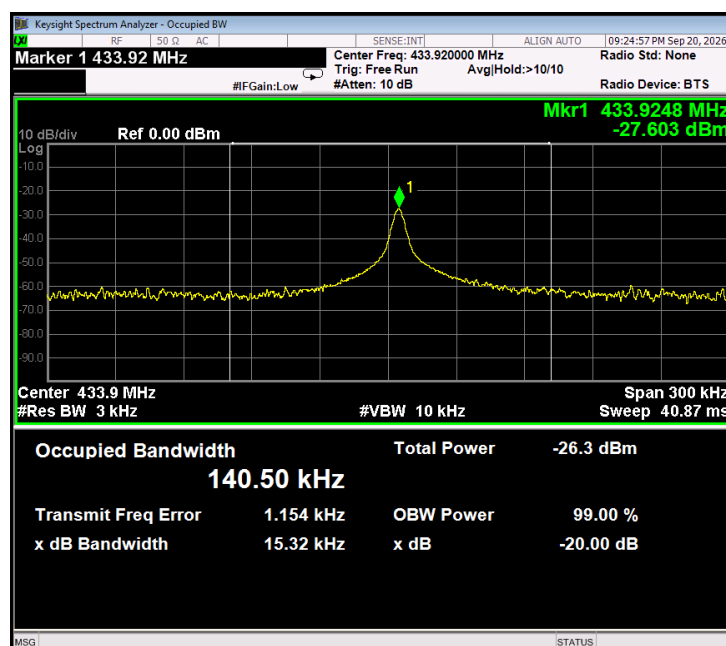
The occupied bandwidth (OBW), that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission.

Test Results

Modulation	Channel Frequency (MHz)	99% OBW (KHz)	20dB bandwidth (KHz)	Limit (KHz)	Result
ASK	433.9248	140.50	15.32	$0.25\% \times 433.9248 = 1084.8152$	Pass

Test plot as follows:

5. ASK Modulation

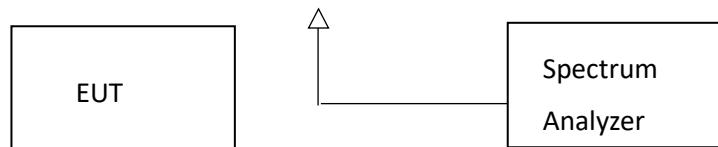


5.1. Deactivation Time

Limit

According to FCC §15.231(a)(1), A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

Test Configuration



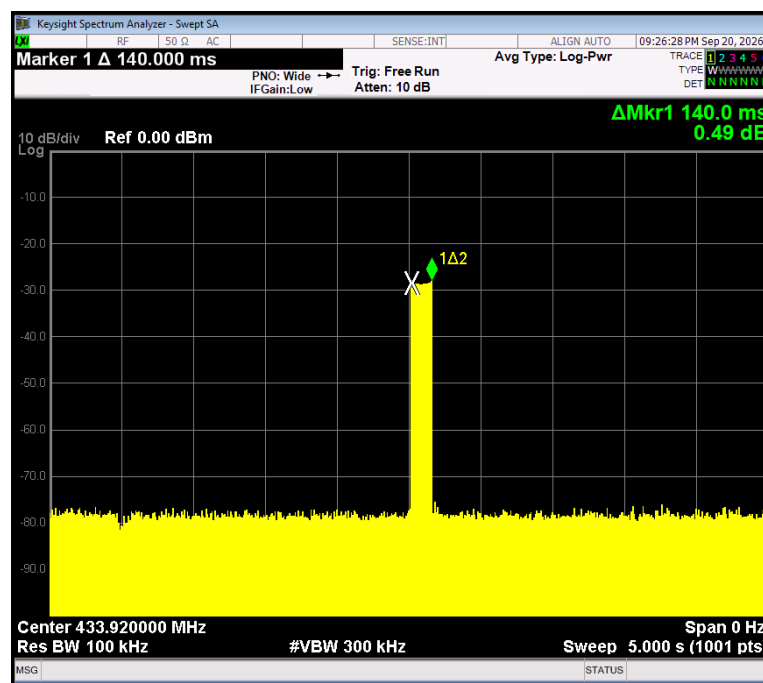
Test Procedure

1. The EUT was placed on a wooded table which is 0.8m height and close to receiver antenna of spectrum analyzer.
2. The spectrum analyzer resolution bandwidth was set to 1 MHz and video bandwidth was set to 1 MHz to encompass all significant spectral components during the test. The spectrum analyzer was operated in linear scale and zero span mode after tuning to the transmitter carrier frequency.

TEST RESULTS

Note: The transmitter was automatically activated, and the carrier frequency 304.25MHz:

Frequency (MHz)	One transmission time (S)	Limit(S)	Result
433.92	0.140	5	Pass



5.2. Antenna Requirement

Standard Applicable

According to FCC Part 15C 15.203

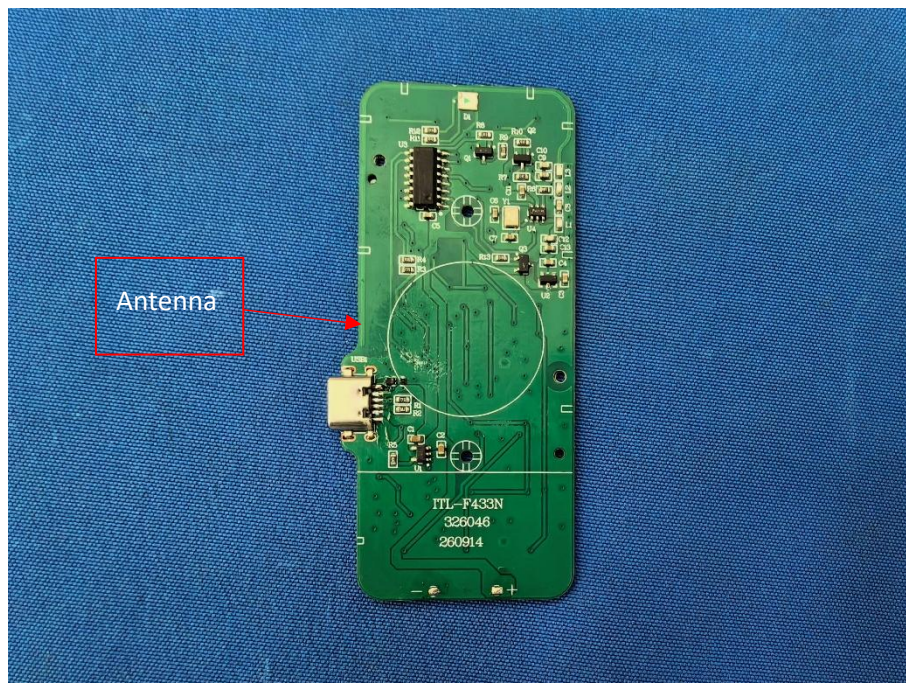
- a) An intentional radiator shall be de-signed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.
- b) The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Refer to statement below for compliance.

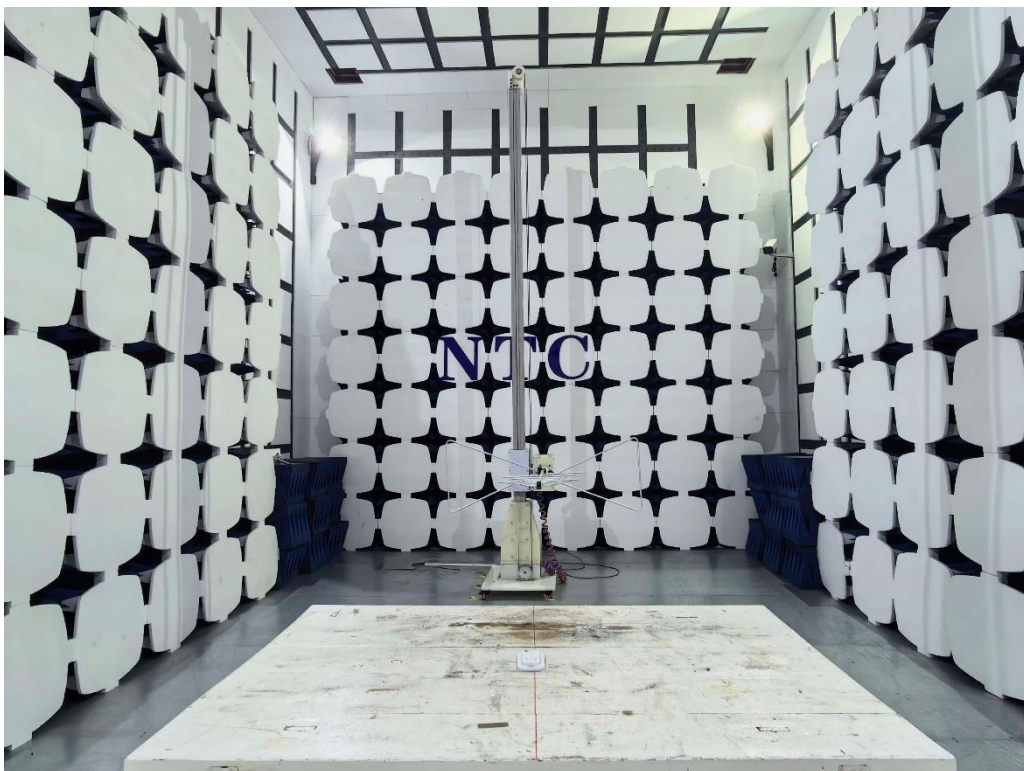
The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

Antenna Connected Construction

The antenna used in this product is an internal Antenna, The directional gains of antenna used for transmitting is 0 dBi.



6. Test Setup Photos of the EUT



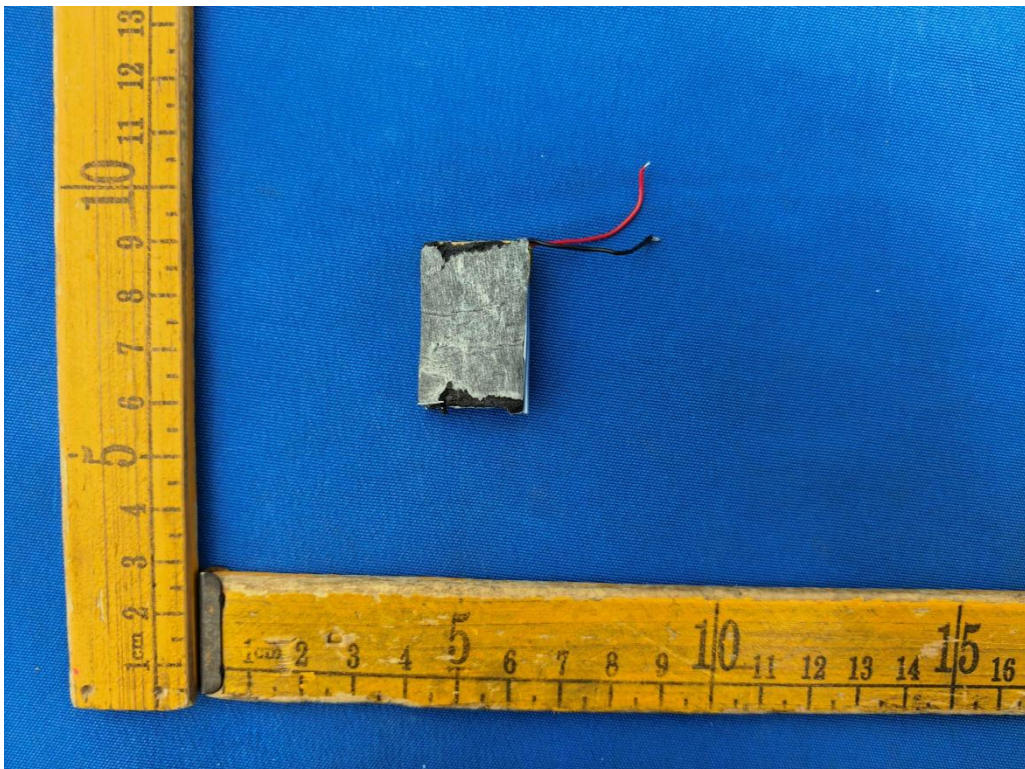
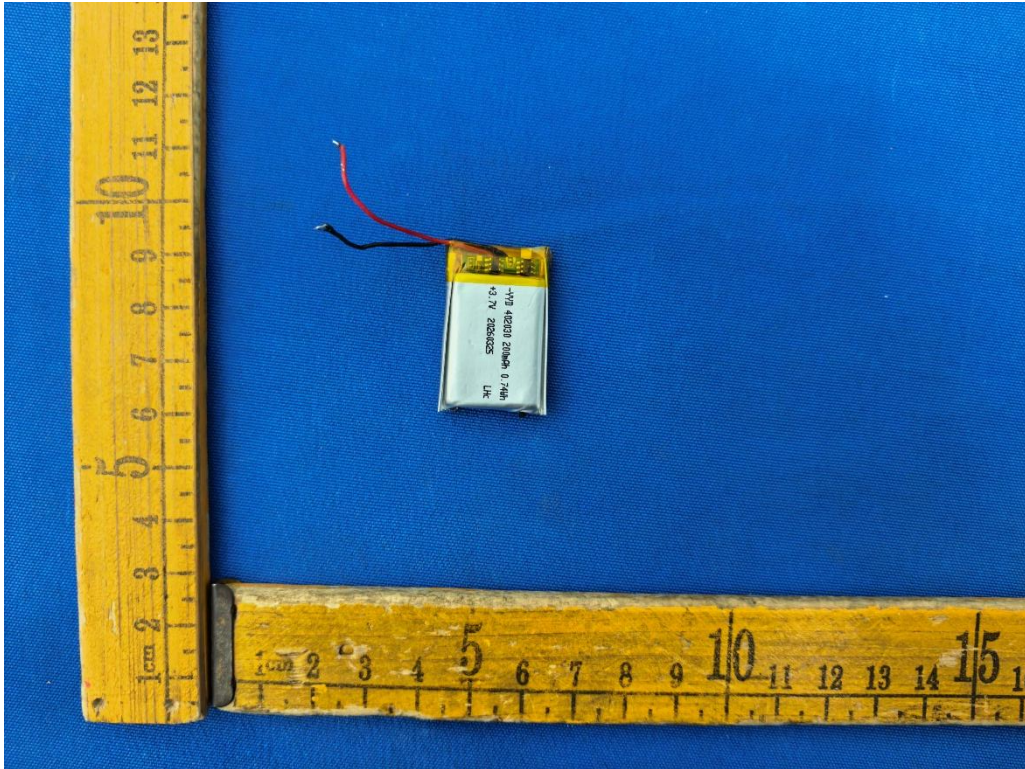


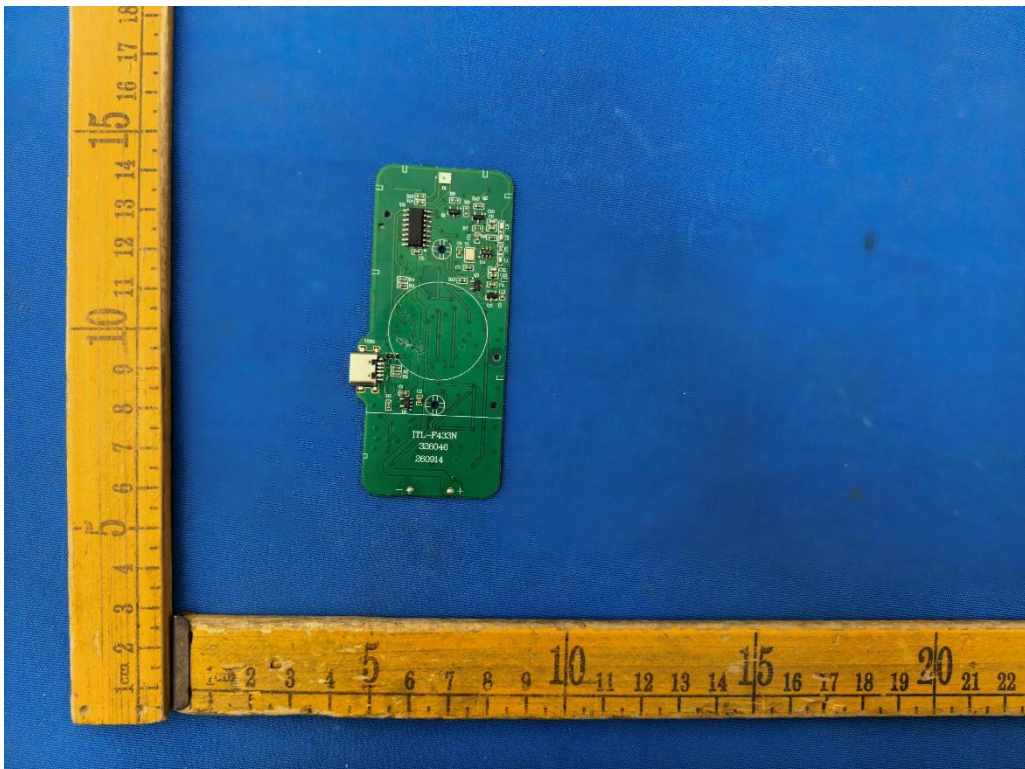
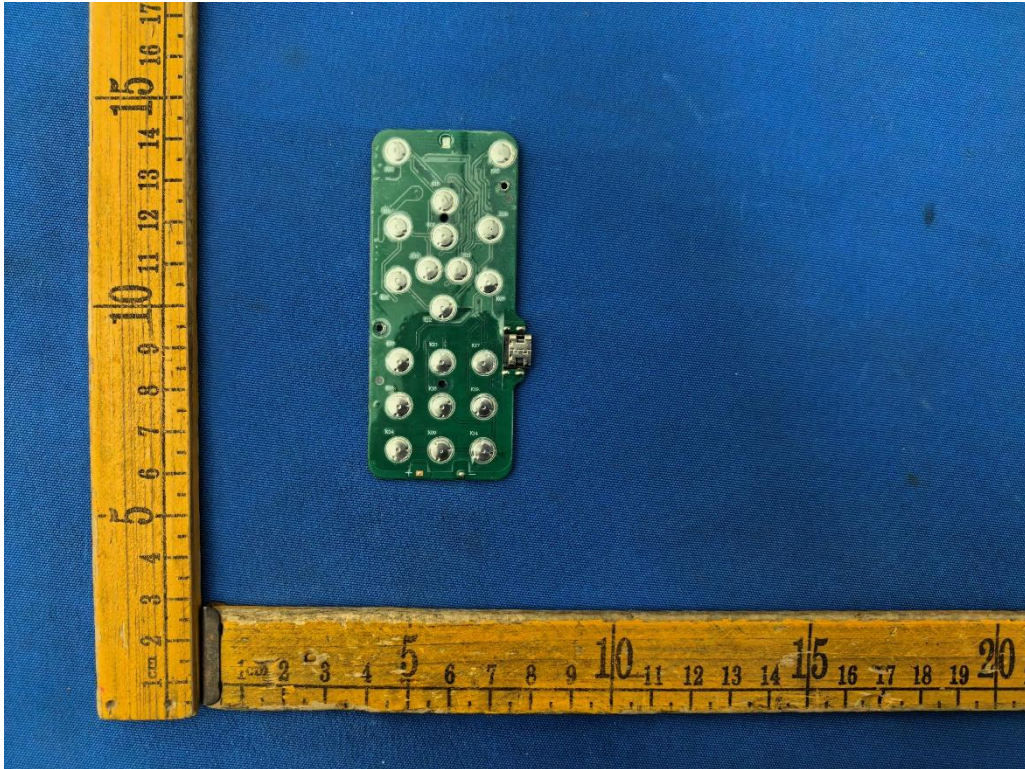
7. External and Internal Photos of the EUT

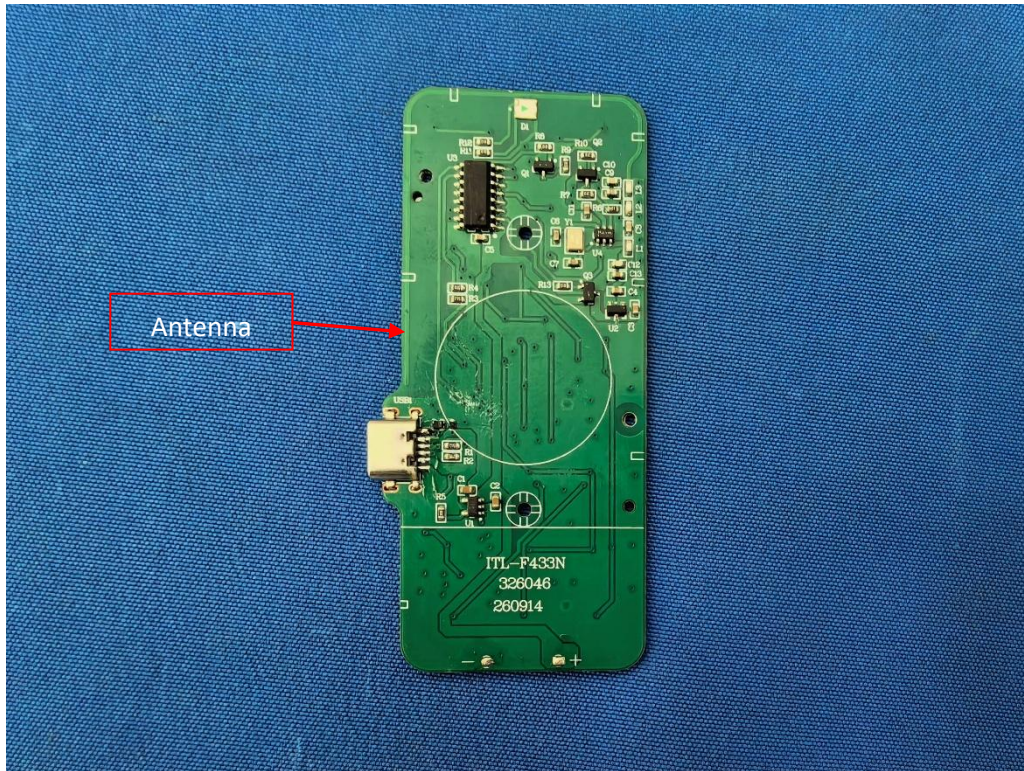












***** End of Report *****