



Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street,
Bao'an District, Shenzhen, China

TEST REPORT

FCC Rules and Regulations Part PART 15.223

Report Reference No.....: CTA26051100801

FCC ID.....: 2BWPW-RF-003B

Compiled by

(position+printed name+signature....: File administrators Zoey Cao

Supervised by

(position+printed name+signature....: Project Engineer Ace Chai

Approved by

(position+printed name+signature....: RF Manager Eric Wang

Date of issue.....: Jun. 04, 2026

Testing Laboratory Name: Shenzhen CTA Testing Technology Co., Ltd.

Address: Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,
Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name: jiabichengshangmao(shenzhen)youxiangongsi

Address: Unit B403, Building 1, No. 18-1, Xincanghai, Xiusha Road, Shatian
Community, Kengzi Subdistrict, Pingshan District, Shenzhen City,
Guangdong Province China

Standard: FCC Rules and Regulations PART 15.223

Shenzhen CTA Testing Technology Co., Ltd. All rights reserved.

This publication may be reproduced in whole or in part for non-commercial purposes as long as the Shenzhen CTA Testing Technology Co., Ltd. is acknowledged as copyright owner and source of the material. Shenzhen CTA Testing Technology Co., Ltd. takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

Test item description: Anti-theft alarm access control system

Trade Mark: N/A

Manufacturer: jiabichengshangmao(shenzhen)youxiangongsi

Model/Type reference.....: RF-003B

Listed Models: RF-003, RF-002, RF-M06, RF-X01, AM-052, AM-053, AM-055,
AM-055C, AM-056, AM-X01

Modulation: ASK

Frequency.....: 8.2MHz

Ratings: Input: DC 24V

Result.....: **PASS**

TEST REPORT

Equipment under Test : Anti-theft alarm access control system

Model /Type : RF-003B

Listed Models : RF-003, RF-002, RF-M06, RF-X01, AM-052, AM-053, AM-055, AM-055C, AM-056, AM-X01

Model difference : The PCB board, circuit, structure and internal of these models are the same, only model number and colour are different for these model. So the tests were performed on model RF-003B and the test results for the main test model can cover the listed models.

Applicant : jiabichengshangmao(shenzhen)youxiangongsi

Address : Unit B403, Building 1, No. 18-1, Xincanghai, Xiusha Road, Shatian Community, Kengzi Subdistrict, Pingshan District, Shenzhen City, Guangdong Province China

Manufacturer : jiabichengshangmao(shenzhen)youxiangongsi

Address : Unit B403, Building 1, No. 18-1, Xincanghai, Xiusha Road, Shatian Community, Kengzi Subdistrict, Pingshan District, Shenzhen City, Guangdong Province 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	4
2.	..SUMMARY	5
2.1.	General Remarks	5
2.2.	Product Description	5
2.3.	Equipment Under Test	5
2.4.	Short description of the Equipment under Test (EUT)	5
2.5.	EUT configuration	5
2.6.	EUT operation mode	6
2.7.	Block Diagram of Test Setup	6
2.8.	Modifications	6
3.	..TEST ENVIRONMENT	7
3.1.	Address of the test laboratory	7
3.2.	Test Facility	7
3.3.	Environmental conditions	7
3.4.	Summary of measurement results	8
3.5.	Statement of the measurement uncertainty	8
3.6.	Equipments Used during the Test	9
4.	..TEST CONDITIONS AND RESULTS	11
4.1.	AC Power Conducted Emission	11
4.2.	Radiated Emission.....	14
4.3.	20dB Bandwidth Measurement	20
4.4.	Antenna Requirement.....	21
5.	..TEST SETUP PHOTOS OF THE EUT	22
6.	..TEST PHOTOS OF THE EUT	23

1. TEST STANDARDS

The tests were performed according to following standards:

FCC Rules Part 15.223: Operation in the band 1.705-10 MHz.

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024: American National Standard for Testing Unlicensed Wireless Devices

2. SUMMARY

2.1. General Remarks

Date of receipt of test sample	:	May 11, 2026
Testing commenced on	:	May 11, 2026
Testing concluded on	:	Jun. 04, 2026

2.2. Product Description

Name of EUT	Anti-theft alarm access control system
Model Number	RF-003B
Power supply:	Input: DC 24V
Adapter information:	Input: AC 110-220V Output: DC 24V
Hardware version:	V1.0
Software version:	V1.0
Sample ID:	CTA260511008-1# (Engineer sample) CTA260511008-2# (Normal sample)
Operation frequency	8.2MHz
Modulation	SFM
Antenna Type	Loop antenna
Antenna Gain	0.41 dBi

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)	

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

The Equipment Under Test (EUT) is the Anti-theft alarm access control system.

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

2.5. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

- - supplied by the manufacturer
- - supplied by the lab

/	/
---	---

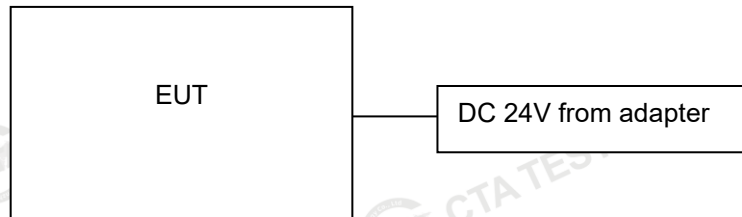
2.6. EUT operation mode

The Applicant use Key to control the EUT for staying in continuous transmitting and receiving mode for testing .There is 1 channels provided to the EUT.

Operation and Frequency:

Channel	Frequency(MHz)
01	8.2MHz

2.7. Block Diagram of Test Setup



2.8. Modifications

No modifications were implemented to meet testing criteria.

3. TEST ENVIRONMENT

3.1. Address of the test laboratory

Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

3.2. Test Facility

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

FCC-Registration No.: 517856 Designation Number: CN1318

Shenzhen CTA Testing Technology Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

Industry Canada Registration Number. Is: 27890 CAB identifier: CN0127

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing.

A2LA-Lab Cert. No.: 6534.01

Shenzhen CTA Testing Technology Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.10 and CISPR 16-1-4:2010.

3.3. Environmental conditions

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

Radiated Emission:

Temperature:	23 ° C
Humidity:	48 %
Atmospheric pressure:	950-1050mbar

Conducted testing:

Temperature:	24 ° C
Humidity:	45 %
Atmospheric pressure:	950-1050mbar

AC Power Conducted Emission:

Temperature:	24 ° C
Humidity:	45 %
Atmospheric pressure:	950-1050mbar

3.4. Summary of measurement results

FCC PART 15.223		
FCC Part 15.223(a)	Field Strength of Fundamental	PASS
FCC Part 15.209	Spurious Emission	PASS
FCC Part 15.223(a)	6dB bandwidth	PASS
FCC Part 15.207	AC Conducted Emission	PASS
FCC Part 15.203	Antenna Requirement	PASS

3.5. 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 TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2" and is documented in the Shenzhen CTA 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 Shenzhen CTA Testing Technology Co., Ltd. :

Test	Range	Measurement Uncertainty	Notes
Radiated Emission	9KHz~30MHz	3.02 dB	(1)
Radiated Emission	30~1000MHz	4.06 dB	(1)
Radiated Emission	1~18GHz	5.14 dB	(1)
Radiated Emission	18-40GHz	5.38 dB	(1)
Conducted Disturbance	0.15~30MHz	2.14 dB	(1)
Output Peak power	30MHz~18GHz	0.55 dB	(1)
Power spectral density	/	0.57 dB	(1)
Spectrum bandwidth	/	1.1%	(1)
Radiated spurious emission (30MHz-1GHz)	30~1000MHz	4.10 dB	(1)
Radiated spurious emission (1GHz-18GHz)	1~18GHz	4.32 dB	(1)
Radiated spurious emission (18GHz-40GHz)	18-40GHz	5.54 dB	(1)

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

3.6. Equipments Used during the Test

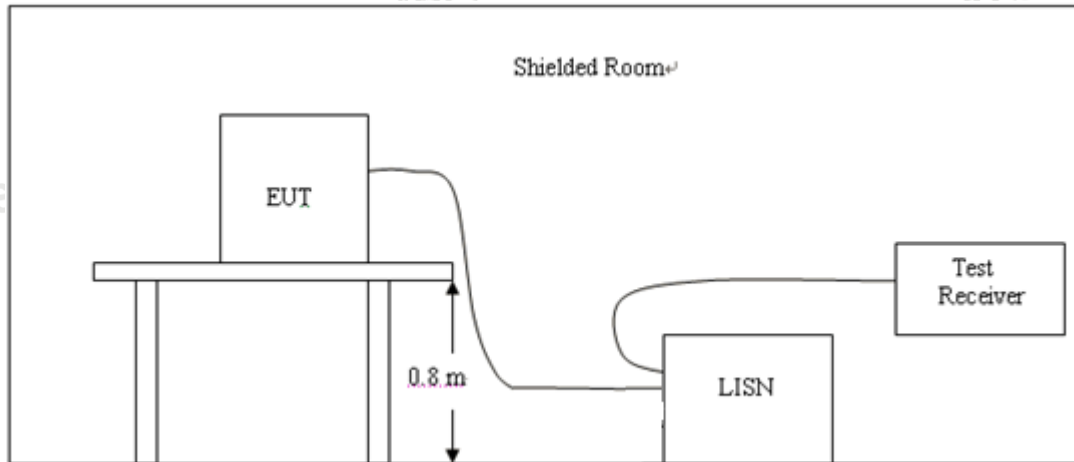
Item.	Test Equipment	Manufacturer	Model No.	Equipment No.	Calibration Date	Calibration Due Date
AC Conducted Test Equipment						
☒ 1	LISN	R&S	ENV216	CTA-308	2025/08/04	2026/08/03
☒ 2	LISN	R&S	ENV216	CTA-314	2025/07/30	2026/07/29
☒ 3	EMI Test Receiver	R&S	ESPI	CTA-307	2025/07/30	2026/07/29
☒ 4	CE Cable	SKET	RF Cable (9kHz-30MHz)	CTA-367	2025/07/30	2026/07/29
☒ 5	Temperature and humidity meter	Chigo	ZG-7020	CTA-327	2025/07/31	2026/07/30
☒ 6	EMI Test Software	Tonscend	TS@JS32-CE	5.0.0.1	N/A	N/A
RF Radiation Test Equipment						
☒ 1	EMI Test Receiver	R&S	ESCI	CTA-306	2025/07/30	2026/07/29
☐ 2	Spectrum analyzer	R&S	FSV40-N	CTA-344	2025/05/17	2026/05/16
					2026/05/16	2027/05/15
☒ 3	Ultra-Broadband Antenna	Schwarzbeck	VULB9163	CTA-310	2023/10/17	2026/10/16
☐ 4	Horn Antenna	Schwarzbeck	BBHA 9120D	CTA-309	2023/10/13	2026/10/12
☒ 5	Loop Antenna	Zhinan	ZN30900C	CTA-311	2023/10/17	2026/10/16
☐ 6	Horn Antenna	Schwarzbeck	BBHA 9170	CTA-346	2025/05/18	2028/05/17
☒ 7	Amplifier	Schwarzbeck	BBV9745	CTA-312	2025/07/30	2026/07/29
☒ 8	Amplifier	Tonscend	TAP-011840	CTA-313	2025/07/30	2026/07/29
☒ 9	Amplifier	SKET	LNPA 1840G-50	CTA-345	2025/05/17	2026/05/16
					2026/05/16	2027/05/15
☒ 10	6dB attenuator	Shanghaihuaxiang	GZL-TS5-6-6	CTA-347	2025/05/17	2026/05/16
					2026/05/16	2027/05/15
☒ 11	RF cable	SKET	RF Cable (9kHz-1GHz)	CTA-360	2025/09/25	2026/09/24
☐ 12	RF cable	SKET	RF Cable (1GHz-18GHz)	CTA-361	2025/09/25	2026/09/24
☐ 13	Coaxialcable (1GHz-40GHz)	SKET	RE-04-D	CTA-348	2025/05/20	2026/05/19
					2026/05/16	2027/05/15
☐ 14	Coaxialcable (1GHz-40GHz)	SKET	RE-04-M	CTA-349	2025/05/20	2026/05/19
					2026/05/16	2027/05/15
☐ 15	Coaxialcable (1GHz-40GHz)	SKET	RE-04-L	CTA-350	2025/05/20	2026/05/19
					2026/05/16	2027/05/15
☒ 16	Temperature and humidity meter	Chigo	ZG-7020	CTA-328	2025/07/31	2026/07/30
☐ 17	2.4GFilter	HX Microwave	HXLBQ-DZA61	CTA-365	2025/07/31	2026/07/30
☐ 18	5GFilter	CONCEPT	CNF05150M058 50Q16A	CTA-366	2025/07/31	2026/07/30
☐ 19	High-Pass Filter	XingBo	XBLBQ-GTA18	CTA-402	2025/07/30	2026/07/29
☐ 20	High-Pass Filter	XingBo	XBLBQ-GTA27	CTA-403	2025/07/30	2026/07/29
☐ 21	High-Pass Filter	XingBo	XBLBQ-GTA10	CTA-364	2025/07/30	2026/07/29
☒ 22	EMI Test Software	Tonscend	TS@JS32-RE	5.0.0.2	N/A	N/A
RF Conducted Test Equipment						
☒ 1	Spectrum Analyzer	Agilent	N9020A	CTA-342	2025/07/30	2026/07/29
☐ 2	Spectrum analyzer	R&S	FSV40-N	CTA-344	2025/05/17	2026/05/16
					2026/05/16	2027/05/15

☒ 3	RF Coaxial Cable	SKET	RF Cable (9kHz-40GHz)	CTA-368	2025/07/30	2026/07/29
☒ 4	Temperature and humidity meter	ZG-7020	Chigo	CTA-329	2025/07/31	2026/07/30
☒ 5	Programmable Constant Temperature And Humidity Test Chamber	DONGGUAN JINGYU	HT-H-408	CTA-053	2025/07/30	2026/07/29
☐ 6	Vector Signal generator	Agilent	N5182A	CTA-305	2025/07/30	2026/07/29
☐ 7	Analog Signal Generator	R&S	E4421B	CTA-304	2025/07/30	2026/07/29
☐ 8	WIDEBAND RADIO COMMUNICATION TESTER	R&S	CMW500	CTA-302	2025/07/30	2026/07/29
☐ 9	Automatic control unit	Tonscend	JS0806-2	CTA-351	2025/07/30	2026/07/29
☒ 10	RF Test Software	Tonscend	TS@JS1120-3	3.1.65	N/A	N/A
☒ 11	RF Test Software	Tonscend	TS@JS1120	3.1.46	N/A	N/A
☒ 12	RF Connection Cable	N/A	N/A	1#	Each time	N/A

4. TEST CONDITIONS AND RESULTS

4.1. AC Power Conducted Emission

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 C63.10-2020.
- 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 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.

AC Power Conducted Emission Limit

For intentional device, according to § 15.207(a) AC Power Conducted Emission Limits is as following :

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.

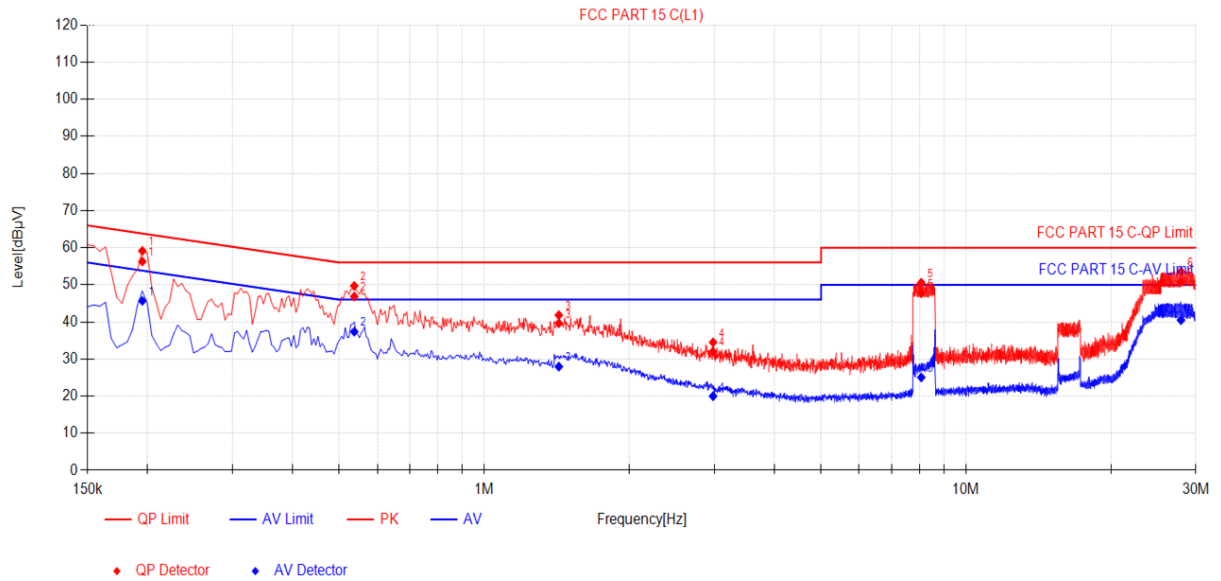
TEST RESULTS

Remark:

1. Both 120 VAC, 50/60 Hz and 220 VAC, 50/60 Hz power supply have been tested, only the worst result of 120 VAC, 60 Hz was reported as below:

Polarization:

L



Final Data List

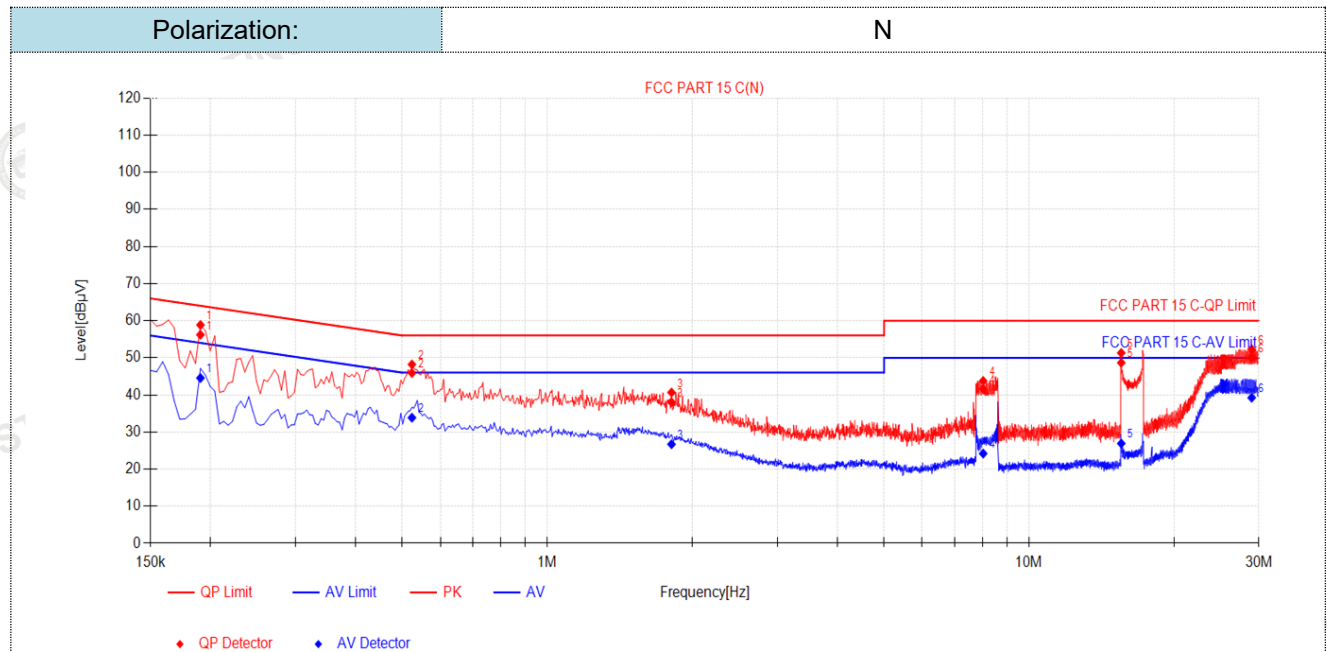
NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.195	10.01	46.26	56.27	63.82	7.55	35.66	45.67	53.82	8.15	PASS
2	0.537	10.26	36.58	46.84	56.00	9.16	27.10	37.36	46.00	8.64	PASS
3	1.428	10.45	29.20	39.65	56.00	16.35	17.50	27.95	46.00	18.05	PASS
4	2.985	10.62	21.41	32.03	56.00	23.97	9.37	19.99	46.00	26.01	PASS
5	8.0745	11.26	36.44	47.70	60.00	12.30	13.77	25.03	50.00	24.97	PASS
6	27.951	13.43	37.36	50.79	60.00	9.21	27.04	40.47	50.00	9.53	PASS

Note: 1). QP Value (dBμV) = QP Reading (dBμV) + Factor (dB)

2). Factor (dB) = insertion loss of LISN (dB) + Cable loss (dB)

3). QPMargin (dB) = QP Limit (dBμV) - QP Value (dBμV)

4). AVMargin (dB) = AV Limit (dBμV) - AV Value (dBμV)



Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Reading [dBμV]	QP Value [dBμV]	QP Limit [dBμV]	QP Margin [dB]	AV Reading [dBμV]	AV Value [dBμV]	AV Limit [dBμV]	AV Margin [dB]	Verdict
1	0.1905	9.95	46.26	56.21	64.01	7.80	34.60	44.55	54.01	9.46	PASS
2	0.5235	10.26	35.63	45.89	56.00	10.11	23.60	33.86	46.00	12.14	PASS
3	1.8105	10.43	27.59	38.02	56.00	17.98	16.27	26.70	46.00	19.30	PASS
4	8.034	11.32	30.31	41.63	60.00	18.37	12.87	24.19	50.00	25.81	PASS
5	15.5445	12.42	36.25	48.67	60.00	11.33	14.49	26.91	50.00	23.09	PASS
6	28.995	13.73	36.30	50.03	60.00	9.97	25.51	39.24	50.00	10.76	PASS

Note: 1). QP Value (dBμV) = QP Reading (dBμV) + Factor (dB)

2). Factor (dB) = insertion loss of LISN (dB) + Cable loss (dB)

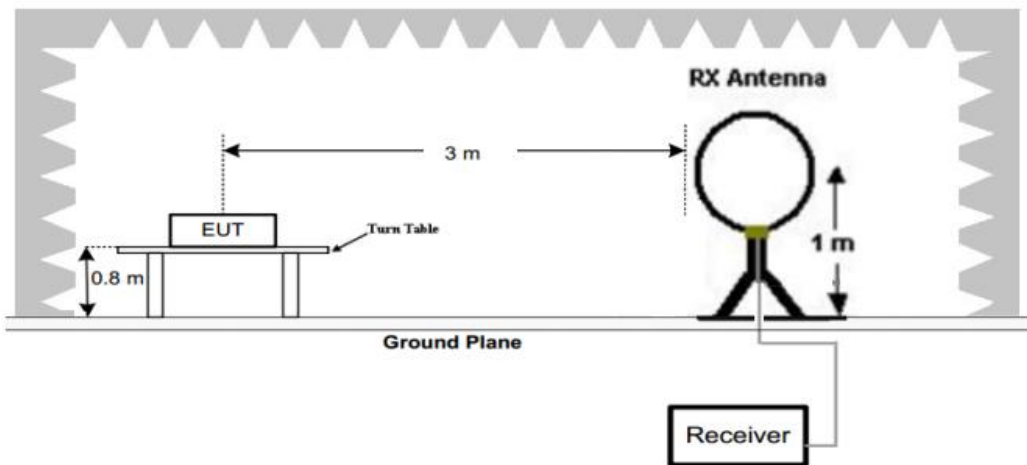
3). QPMargin (dB) = QP Limit (dBμV) - QP Value (dBμV)

4). AVMargin (dB) = AV Limit (dBμV) - AV Value (dBμV)

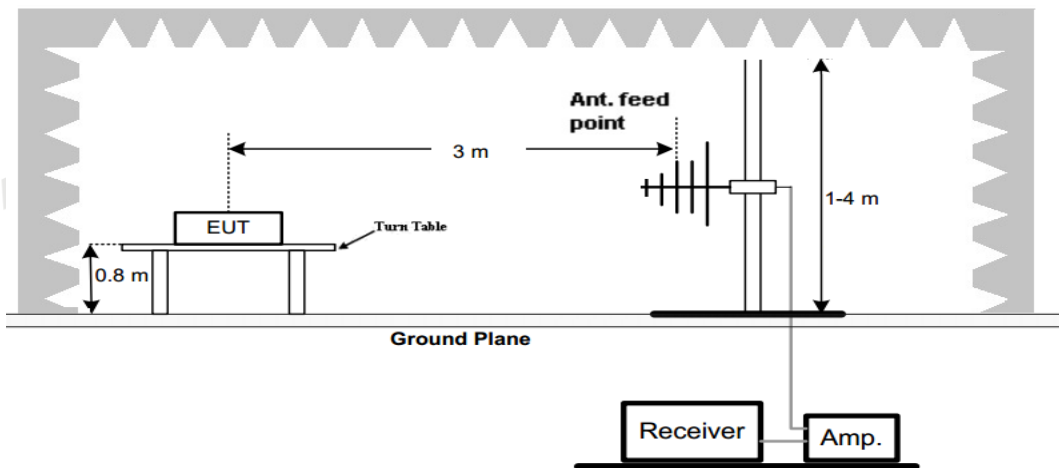
4.2. Radiated Emission

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 a turn table which is 0.8m above ground plane when testing frequency range 9 KHz –25GHz.
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 minimum operation frequency was 26MHz and maximum operation frequency was 1910MHz.so radiated emission test frequency band from 9KHz to 25GHz.
6. The distance between test antenna and EUT as following table states:

Test Frequency range	Test Antenna Type	Test Distance
9KHz-30MHz	Active Loop Antenna	3
30MHz-1GHz	Ultra-Broadband Antenna	3
1GHz-18GHz	Double Ridged Horn Antenna	3
18GHz-25GHz	Horn Antenna	1

7. Setting test receiver/spectrum as following table states:

Test Frequency range	Test Receiver/Spectrum Setting	Detector
9KHz-150KHz	RBW=200Hz/VBW=3KHz, Sweep time=Auto	QP
150KHz-30MHz	RBW=9KHz/VBW=100KHz, Sweep time=Auto	QP
30MHz-1GHz	RBW=120KHz/VBW=1000KHz, Sweep time=Auto	QP
1GHz-40GHz	Peak Value: RBW=1MHz/VBW=3MHz, Sweep time=Auto Average Value: RBW=1MHz/VBW=10Hz, Sweep time=Auto	Peak

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	

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

RADIATION LIMIT

According 15.223, The field strength of any emission within the band 1.705-10.0 MHz shall not exceed 100 microvolts/meter at a distance of 30 meters. However, if the bandwidth of the emission is less than 10% of the center frequency, the field strength shall not exceed 15 microvolts/meter or (the bandwidth of the device in kHz) divided by (the center frequency of the device in MHz) microvolts/meter at a distance of 30 meters, whichever is the higher level. For the purposes of this section, bandwidth is determined at the points 6 dB down from the modulated carrier. The emission limits in this paragraph are based on measurement instrumentation employing an average detector. The provisions in § 15.35(b) for limiting peak emissions apply. where compliance of these devices is demonstrated under this alternative emission limit.:

Frequency (MHz)	Field Strength of Fundamental (microvolts/30 meter)	Field Strength of Fundamental (dBμV/30 meter)	Field Strength of Fundamental (dBμV/3 meter)
1.705-10 MHz.	100	40	80

Note: 6dB bandwidth greater than 10% Center frequency, Field Strength of Fundamental limit is 100(microvolts/30 meter).

According to FCC 47CFR15.35, the limit on the radio frequency emissions as measured using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit for the frequency being investigated unless a different peak emission limit is otherwise specified in the rules.

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	$20\log(2400/F(\text{KHz}))+40\log(300/3)$	$2400/F(\text{KHz})$
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

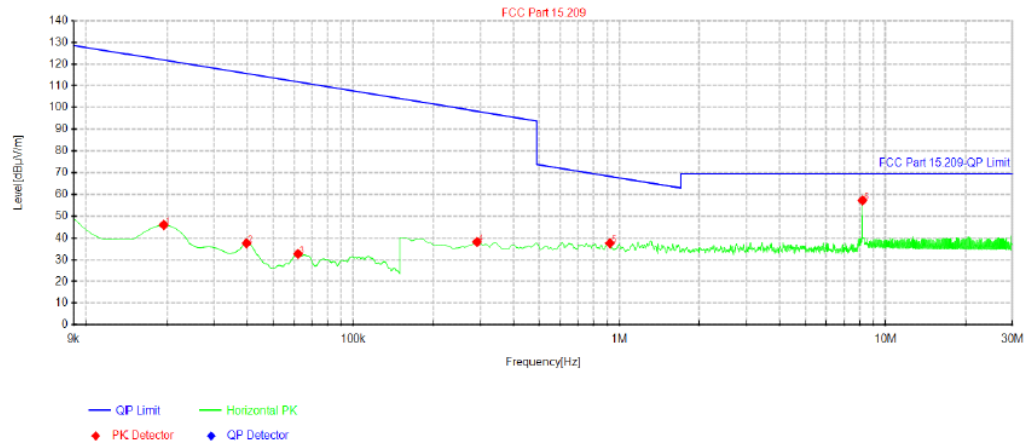
TEST RESULTS

Remark:

1. This test was performed with EUT in X, Y, Z position and the worse case was found when EUT in X position.
2. Radiated emission test there is no emission found except system noise floor in 9 KHz to 30MHz and not recorded in this report.

For 9KHz-30MHz

Coaxial



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	0.0194	46.20	46.01	-0.19	121.83	75.82	100	4	Coaxial
2	0.0397	43.25	37.60	-5.65	115.62	78.02	100	352	Coaxial
3	0.062	41.35	32.68	-8.67	111.75	79.07	100	11	Coaxial
4	0.2918	48.35	38.19	-10.16	98.30	60.11	100	360	Coaxial
5	0.9224	48.44	37.63	-10.81	68.31	30.68	100	33	Coaxial
6	8.2	66.85	57.24	-9.61	--	--	100	266	Coaxial

Note:1). Level (dBμV/m) = Reading (dBμV) + Factor (dB/m)

2). Factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

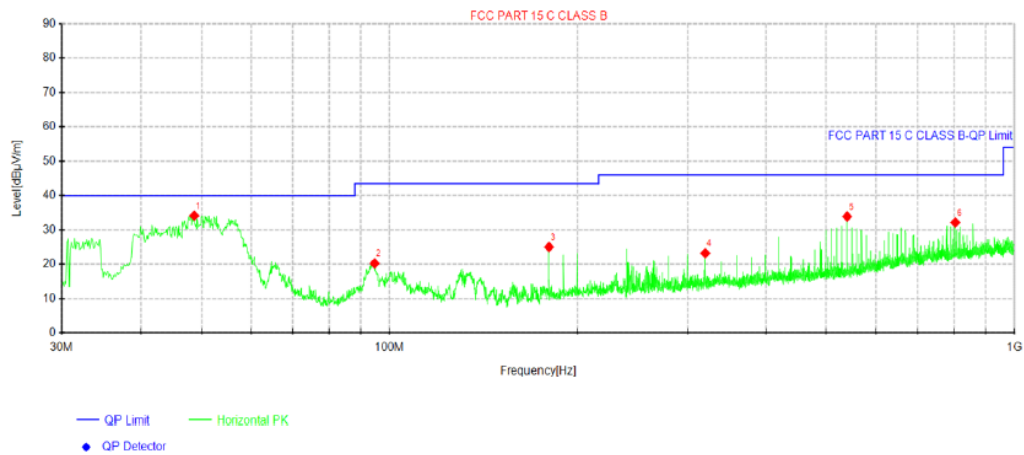
3). Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)

4). We tested antenna position coaxial and coplaner and only record coaxial data

Emission Styles	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	PK Level (dBuV/m)	AVG Limit (dBuV/m)	Margin (dB)	Detector	Polarity
Fundamental	8.2	66.85	-9.61	57.24	80.00	22.76	Peak	Coaxial

For 30MHz-1GHz

Horizontal



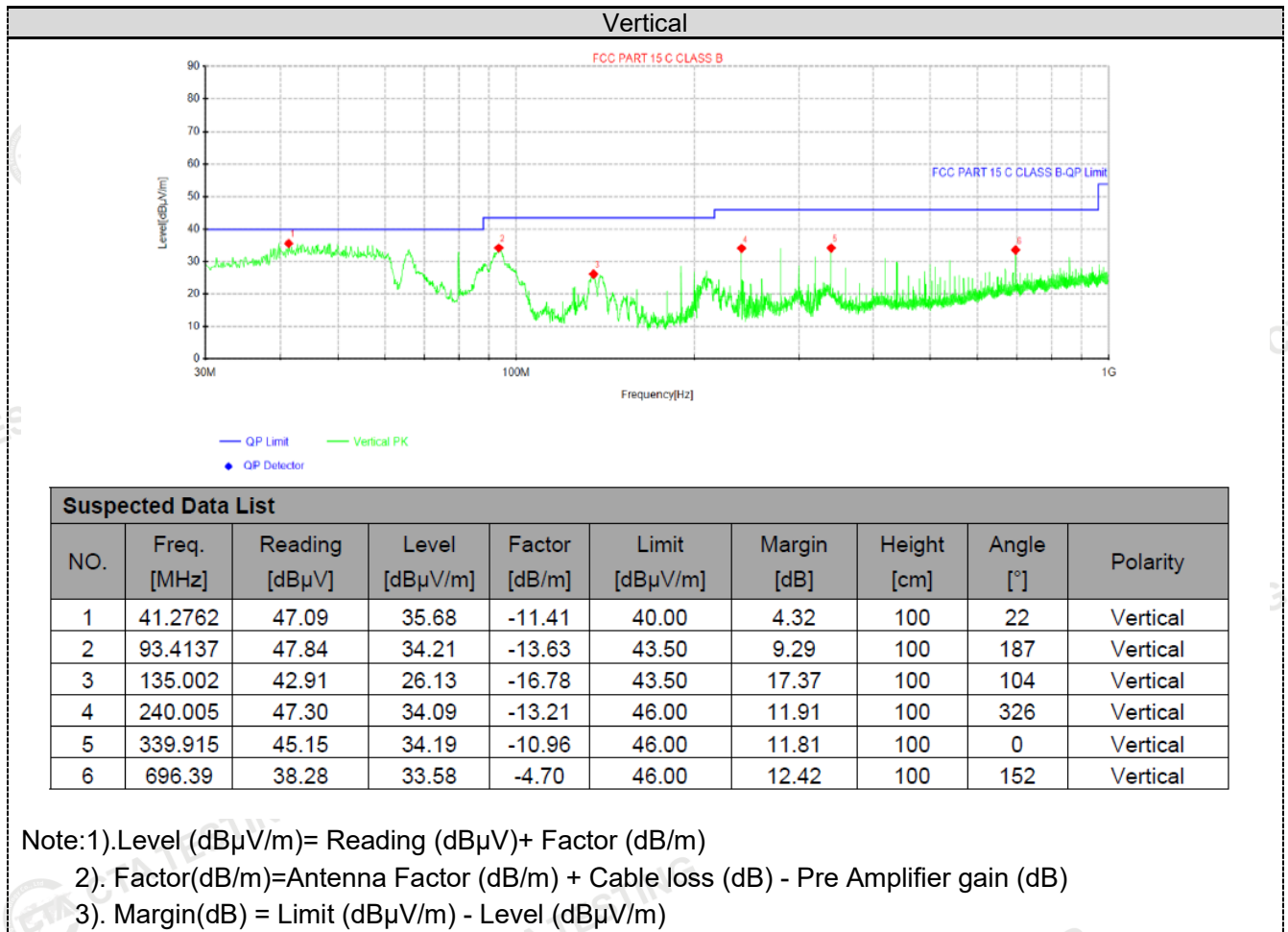
Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	48.6725	44.64	34.13	-10.51	40.00	5.87	100	299	Horizontal
2	94.6262	33.71	20.25	-13.46	43.50	23.25	100	356	Horizontal
3	179.986	40.31	25.02	-15.29	43.50	18.48	100	287	Horizontal
4	320.03	34.83	23.19	-11.64	46.00	22.81	100	287	Horizontal
5	539.977	41.97	33.90	-8.07	46.00	12.10	100	251	Horizontal
6	804.181	35.36	32.16	-3.20	46.00	13.84	100	101	Horizontal

Note: 1). Level (dBμV/m) = Reading (dBμV) + Factor (dB/m)

2). Factor (dB/m) = Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

3). Margin (dB) = Limit (dBμV/m) - Level (dBμV/m)



4.3. 6dB Bandwidth Measurement

TEST CONFIGURATION



TEST PROCEDURE

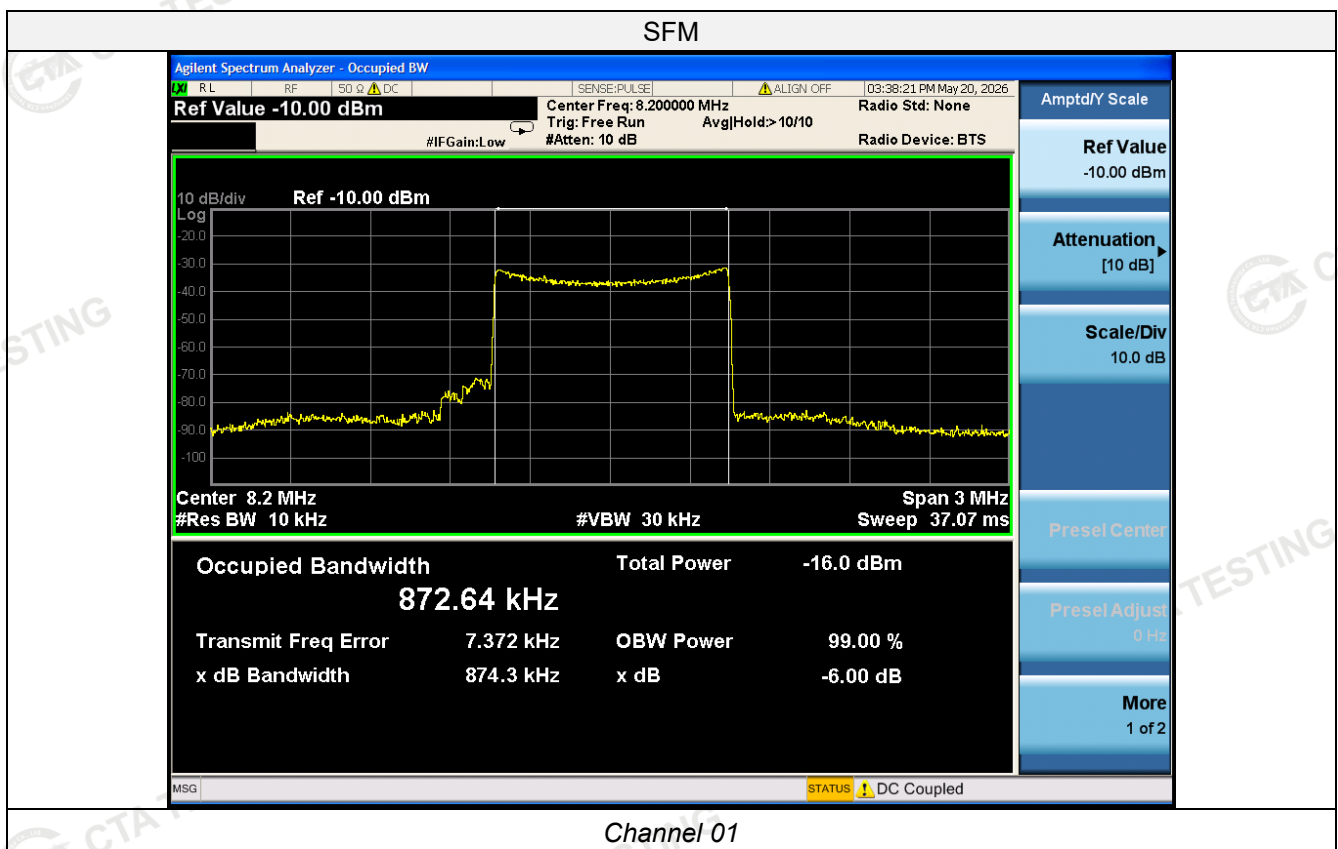
The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 10KHz RBW and 30KHz VBW.

The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

TEST RESULTS

Modulation	Channel	6dB bandwidth (KHz)	10% Center frequency (MHz)	Result
SFM	01	874.3	$8.2 \times 10\% = 0.82$	/

Note: 1.The test results including the cable loss.



4.4. Antenna Requirement

Standard Applicable

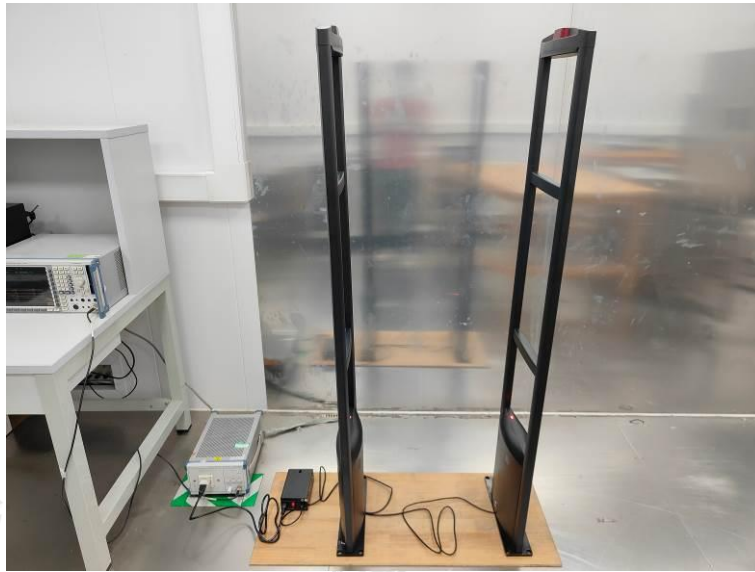
For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

Antenna Information

The maximum gain of antenna was 0.41 dBi.

Remark: The antenna gain is provided by the customer, if the data provided by the customer is not accurate, Shenzhen CTA Testing Technology Co., Ltd. does not assume any responsibility.

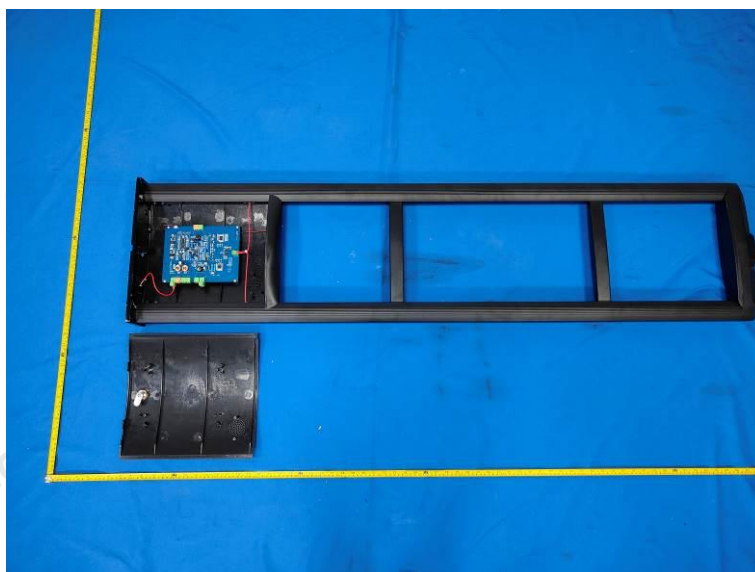
5. Test Setup Photos of the EUT

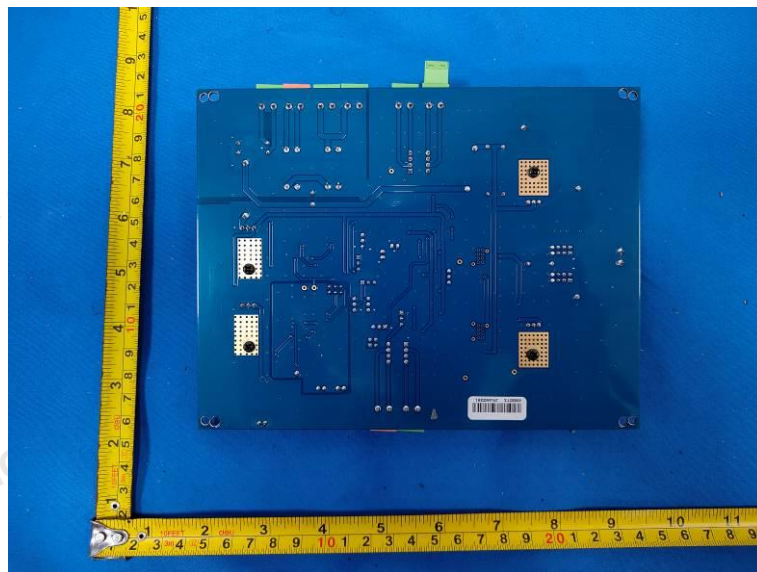
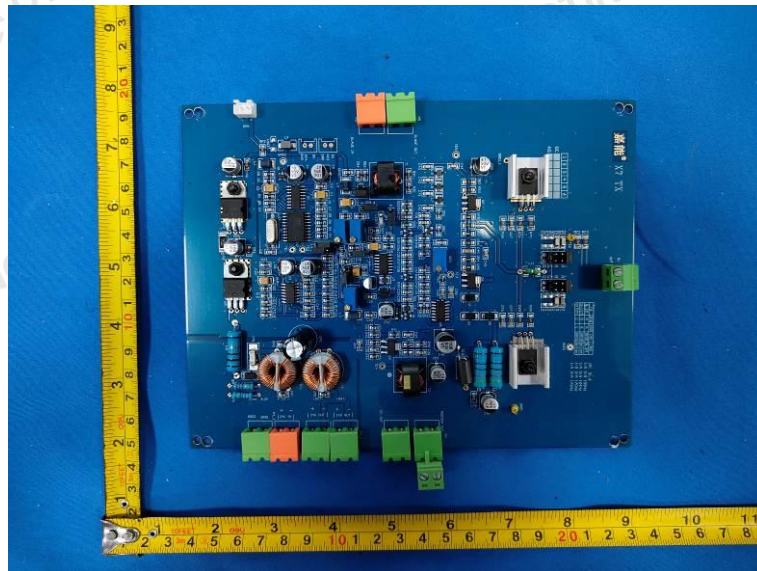


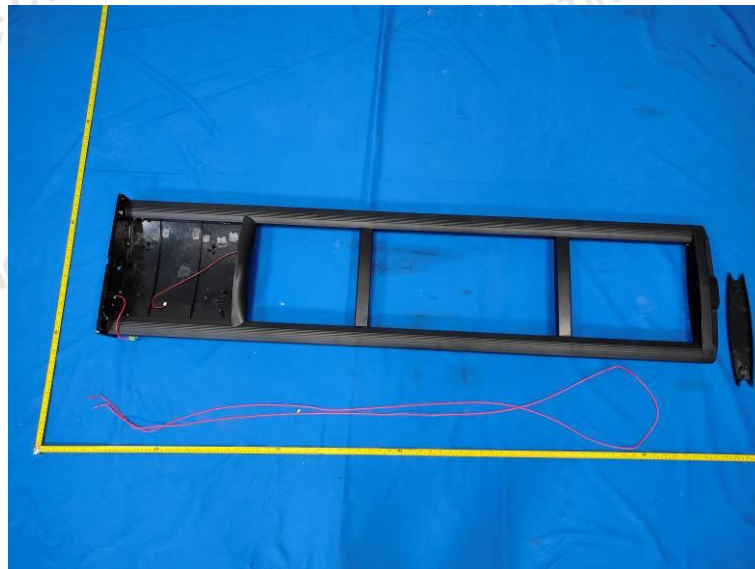
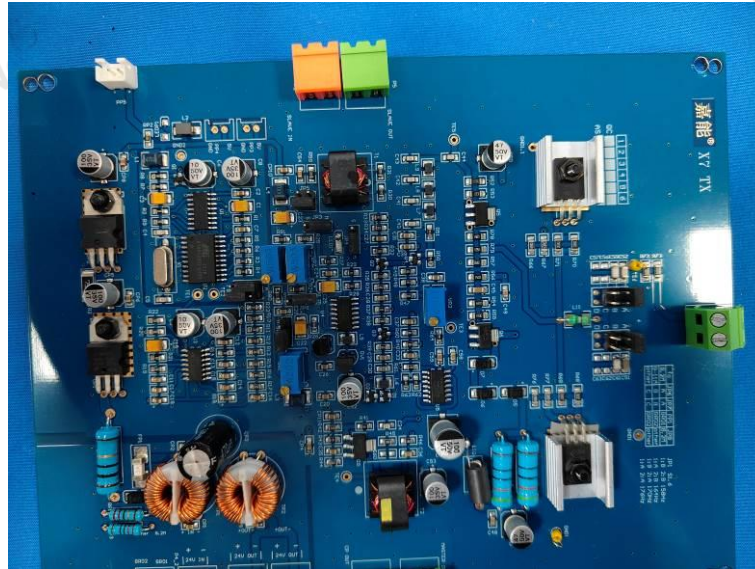
6. Test Photos of the EUT











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