FCC PART 15 SUBPART B:2019

MEASUREMENT AND TEST REPORT

For

Fujian Youtong Industries Co.,Ltd.

North part of 1st, 2nd-3rd floor, Building 1#, M9511 industries Park, No.18, Majiang Road, Mawei District, Fuzhou City, Fujian, China

Model: YT6077

March 13, 2023

This Report Concerns:	**Equipment Type:**
☒ Original Report	weather station

Test Engineer:	Beek Sun/ Beek Sun
Report Number:	**QCT23CR-1266E-01**
Test Date:	March 01, 2023 ~ March 13, 2023
Reviewed By:	Gordon Tan/ Gordon.Tan
Approved By:	Kendy Wang /

Shenzhen QC Testing Laboratory Co., Ltd.
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No.111, Shuiku Road, Fenghuanggang, Xixiang Street,
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Tel: 0755-23008269
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1 - GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant:	**Fujian Youtong Industries Co.,Ltd.**
Address of applicant:	North part of 1st, 2nd-3rd floor, Building 1#, M9511 industries Park, No.18, Majiang Road, Mawei District, Fuzhou City, Fujian, China
Manufacturer:	**Fujian Youtong Industries Co.,Ltd.**
Address of manufacturer:	North part of 1st, 2nd-3rd floor, Building 1#, M9511 industries Park, No.18, Majiang Road, Mawei District, Fuzhou City, Fujian, China

General Description of E.U.T

Product Description:	weather station
Trade Mark:	N/A
Model No.:	YT6077
Test Model No .:	YT6077
Sample No.:	Y23C1266E01YN
Rated Supply:	Input: DC 4.5V (For Battery) or DC 5V（Powered by AC/DC Adaptor)
Highest internal frequency:	＞15MHz
Adapter Information:	Model: GPU280500150WAOO Input: 120VAC, 60Hz 7W Output: 5.0VAC, 150mA

Remark: * The test data gathered are from the production sample provided by the manufacturer.

General Description of Test Auxiliary

AUX Description:	Manufacturer	Model No.	Certificate	CABLE
/	/	/	/	/

1.2 Test Standards

The following Declaration of Conformity report of EUT is prepared in accordance with
FCC Rules and Regulations Part 15 Subpart B

The objective of the manufacturer is to demonstrate compliance with the described above standards.

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1.3 Test Summary

For the EUT described above. The standards used were FCC Part 15 Subpart B for Emissions

Table 1: Tests Carried Out Under FCC Part 15 Subpart B

Standard	Test Items	Status
FCC Part 15 Subpart B	Disturbance Voltage (0.15MHz to 30MHz)	√
FCC Part 15 Subpart B	Radiated Disturbances (30MHz to 1GHz)	√
FCC Part 15 Subpart B	Radiated Disturbances (Above 1GHz)	√

√ Indicates that the test is applicable
× Indicates that the test is not applicable

Note：All indications of Pass/Fail in this report are opinions expressed by Shenzhen QC Testing Laboratory Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.

1.4 Test Methodology

All measurements contained in this report were conducted with CISPR 16-1-1, radio disturbance and immunity measuring apparatus, and CISPR 16-2-3, Method of measurement of disturbances and immunity.

All measurement required was performed at **Shenzhen QC Testing Laboratory Co., Ltd.** at at East of 1/F., Building E, Xinghong Science Park, No.111, Shuiku Road, Fenghuanggang, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China.

1.5 Test Facility

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

CNAS-Registration No.: L8464

A2LA-Registration NO.: 6759.01

Shenzhen QC Testing Laboratory Co., Ltd. To ISO/IEC 17025:25 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system
(refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

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2 - SYSTEM TEST CONFIGURATION

2.1 Justification

The system was configured for testing in a typical fashion (as only used by a typical user).

2.2 EUT Exercise Software

The EUT exercising program used during radiated and conducted testing was designed to exercise the various system components in a manner similar to a typical use. The software offered by manufacturer, can let the EUT being **CHARGING/ON** Mode.

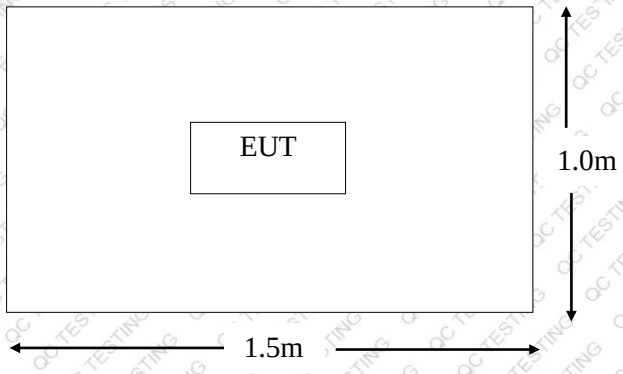
2.3 Special Accessories

As shown in section 2.5, interface cable used for compliance testing is shielded as normally supplied by **Fujian Youtong Industries Co.,Ltd.** and its respective support equipment manufacturers.

2.4 Equipment Modifications

The EUT tested was not modified by QCT.

2.5 Configuration of Test System



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3 - DISTURBANCE VOLTAGE AT THE MAINS TERMINALS

3.1 Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, and LISN.

The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement is 2.46dB for Peak; 2.42dB for Average.

3.2 Limit of Disturbance Voltage at the Mains Terminals

(CLASS A)

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-Peak	Average
0.150～0.500	79	66
0.500～30.00	73	60
5.000～30.00	73	60

(CLASS B)

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-Peak	Average
0.150～0.500	66～56*	56～46*
0.500～5.000	56	46
5.000～30.00	60	50

Note:
1. The tighter limit applies at the band edges.
2. The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

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3.3 EUT Setup

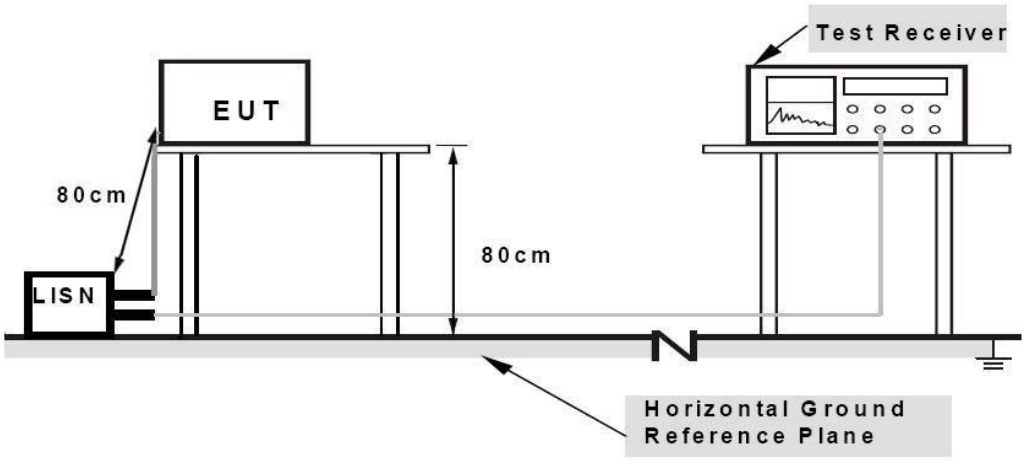
The setup of EUT is according with ANSI C63.4-2014 measurement procedure. The specification used was the FCC Rules and Regulations Part 15 Subpart B limits.

The EUT was placed center and the back edge of the test table.

The AV cables were draped along the test table and bundled to 30-40cm in the middle.

The spacing between the peripherals was 10 cm.

Maximum emission emitted from EUT was determined by manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation and the levels in the final result of the test were recorded with the EUT running in the operating mode that maximum emission was emitted.



3.4 Instrument Setup

The test receiver was set with the following configurations:

Test Receiver Setting:

Frequency Range……150 KHz to 30 MHz
Detector……..Peak & Quasi-Peak & Average
Sweep Speed……Auto
IF Band Width……..9 KHz

3.5 Test Procedure

During the conducted emission test, the EUT power cord was connected to the auxiliary outlet of the first Artificial Mains.

Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance using all installation combination.

All data was recorded in the peak detection mode. Quasi-peak and Average readings were only performed when an emission was found to be marginal (within -10 dB μ V of specification limits). Quasi-peak readings are distinguished with a "**QP**". Average readings are distinguished with a "**AV**".

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3.6 Summary of Test Results

According to the data in section 3.6, the EUT complied with the FCC Part 15 B Conducted margin, with the *worst* margin reading of:

3.7 Disturbance Voltage Test Data

Temperature (℃)	25
Humidity (%RH)	56
Barometric Pressure (kpa)	101
EUT	weather station
M/N	YT6077
Operating Mode	CHARGING

Test data see following pages

Remark: (1) When PK reading is less than relevant limit 20dB, the QP reading and AV reading will not be recorded.
(2) Where QP reading is less than relevant AV limit, the AV reading will not be measured

3.8 Test Equipment List and Details

No.	Equipment	Manufacturer	Model	Serial No.	Last Cal.	Cal.Due
1	EMI Test Receiver	R&S	ESIB 7	2277573376	2023.03.01	2024.02.29
2	Artificial Mains Network	SCHWARZBECK	NSLK8126	8126200	2023.03.01	2024.02.29
3	PULSE LIMITER	R&S	ESH3-Z2	100058	2023.03.01	2024.02.29

3.9 Test Result

PASS

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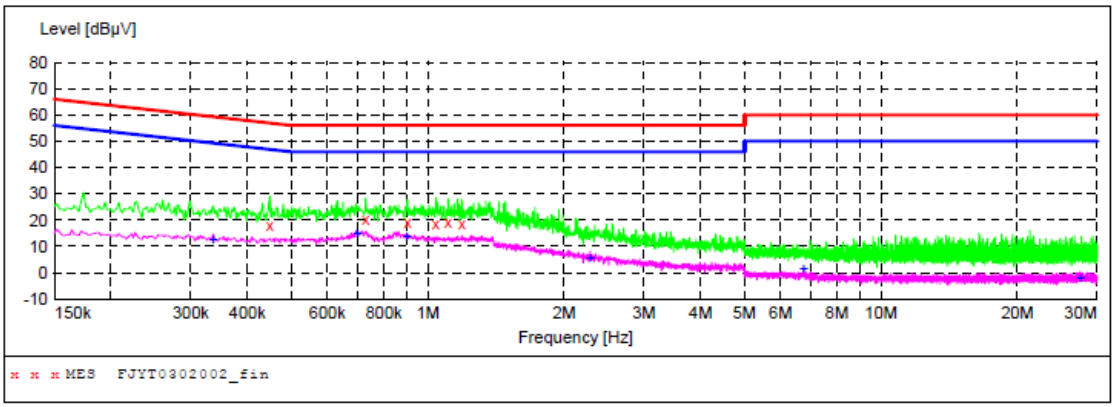
Conducted Emission Test Data

EUT:	weather station
M/N:	YT6077
Operating Condition:	CHARGING
Test Site:	Shielded Room
Operator:	Beek Sun
Test Voltage:	AC 120V/60Hz
Comment:	Live Line
Condition of Test:	Temperature:25℃ Humidity:56%

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

Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "FJYT0302002_fin"

2023-3-2 19:48

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.448000	18.00	10.4	57	38.9	QP	L1	GND
0.730000	20.60	10.4	56	35.4	QP	L1	GND
0.902000	19.40	10.3	56	36.6	QP	L1	GND
1.042000	18.80	10.3	56	37.2	QP	L1	GND
1.110000	19.30	10.3	56	36.7	QP	L1	GND
1.188000	18.90	10.3	56	37.1	QP	L1	GND

MEASUREMENT RESULT: "FJYT0302002_fin2"

2023-3-2 19:48

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.336000	13.00	10.3	49	36.3	AV	L1	GND
0.698000	15.40	10.4	46	30.6	AV	L1	GND
0.898000	14.10	10.3	46	31.9	AV	L1	GND
2.283500	5.70	10.2	46	40.3	AV	L1	GND
6.747500	1.70	10.4	50	48.3	AV	L1	GND
27.506000	-1.60	10.8	50	51.6	AV	L1	GND

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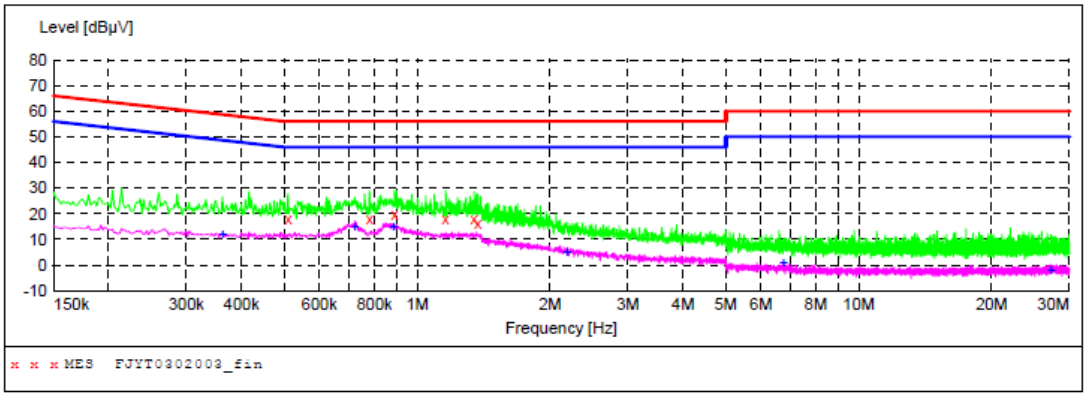
Conducted Emission Test Data

EUT:	weather station
M/N:	YT6077
Operating Condition:	CHARGING
Test Site:	Shielded Room
Operator:	Beek Sun
Test Voltage:	AC 120V/60Hz
Comment:	Neutral Line
Condition of Test:	Temperature:25℃ Humidity:56%

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

Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "FJYT0302003_fin"

2023-3-2 19:50

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.510000	18.20	10.4	56	37.8	QP	N	GND
0.780000	18.20	10.4	56	37.8	QP	N	GND
0.888000	19.60	10.3	56	36.4	QP	N	GND
1.160000	18.20	10.3	56	37.8	QP	N	GND
1.344000	18.10	10.3	56	37.9	QP	N	GND
1.372000	16.10	10.3	56	39.9	QP	N	GND

MEASUREMENT RESULT: "FJYT0302003_fin2"

2023-3-2 19:50

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.362000	11.90	10.3	49	36.8	AV	N	GND
0.722000	15.10	10.4	46	30.9	AV	N	GND
0.884000	15.20	10.3	46	30.8	AV	N	GND
2.184500	5.40	10.2	46	40.6	AV	N	GND
6.747500	1.00	10.4	50	49.0	AV	N	GND
27.236000	-1.80	10.8	50	51.8	AV	N	GND

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4 - RADIATED DISTURBANCES

4.1 Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of a radiation emissions measurement is ±3.1 dB.

4.2 Limit of Radiated Disturbances

(CLASS A)

Frequency (MHz)	Distance (Meters)	Field Strengths Limits (μV/m)	Field Strengths Limits (dBμV/m)
30 ~ 88	10	90	39.0
88~216	10	150	43.5
216 ~ 960	10	210	46.5
Above 960	10	300	49.5

(CLASS B)

Frequency (MHz)	Distance (Meters)	Field Strengths Limits (μV/m)	Field Strengths Limits (dBμV/m)
30 ~ 88	3	100	40.0
88~216	3	150	43.5
216 ~ 960	3	200	46.0
Above 960	3	500	54.0

Notes:

1. The tighter limit applies at the band edges.
2. Emission level (dBuV/m) = 20log Emission level (uV/m).

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4.3 EUT Setup

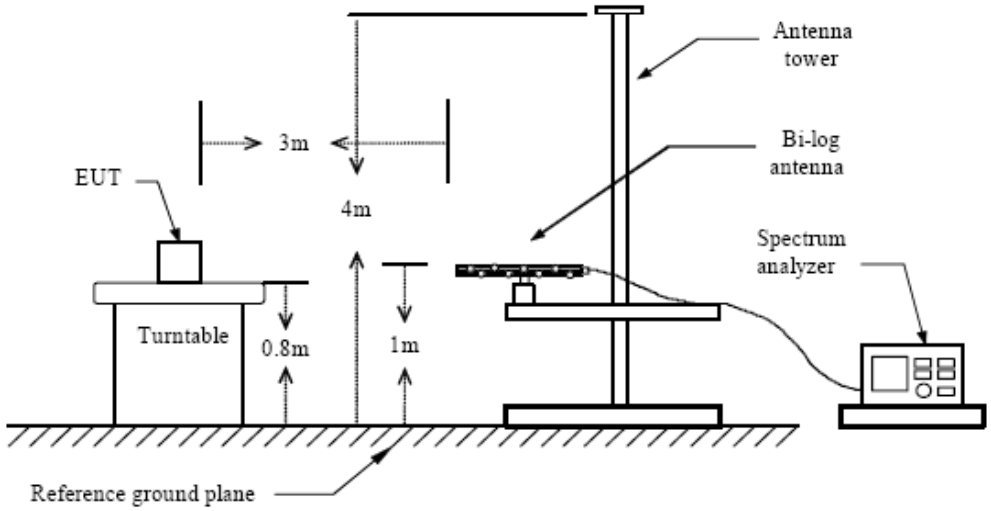
The radiated emission tests were performed in the in the 3-meter anechoic chamber, using the setup accordance with the ANSI C63.4-2014. The specification used was the FCC Part 15 Subpart B limits.

The EUT was placed on the center of the test table.

Maximum emission emitted from EUT was determined by manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation and the levels in the final result of the test were recorded with the EUT running in the operating mode that maximum emission was emitted.

Block diagram of test setup (In chamber)

Below 1 GHz



4.4 Test Receiver Setup

According to FCC Part 15 rule, the frequency was investigated from 30 to 6000 MHz. During the radiated emission test, the test receiver was set with the following configurations:

Test Receiver Setting:

Detector…….. Peak & Quasi-Peak & Average
IF Band Width…….. 120KHz/1MHz
Frequency Range…….. 30MHz to 1000MHz/Above 1GHz
Turntable Rotated…….0 to 360 degrees

Antenna Position:

Height……1m to 4m
Polarity……...Horizontal and Vertical

4.5 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All data was recorded in the peak detection mode. Quasi-peak readings performed only when an emission was found to be marginal (within -10 dB μ V of specification limits), and are distinguished with a "**QP**" in the data table.

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4.6 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Indicated Reading + Antenna Factor + Cable Factor - Amplifier Gain

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB μV means the emission is 7dB μV below the maximum limit for Subpart B. The equation for margin calculation is as follows:

Margin = Limit – Corr. Ampl.

4.7 Radiated Emissions Test Result

Temperature (℃)	26
Humidity (%RH)	54
Barometric Pressure (kpa)	101
EUT	weather station
M/N	YT6077
Operating Mode	CHARGING/ON

4.8 Test Equipment List and Details

No.	Equipment	Manufacturer	Model	Serial No.	Last Cal.	Cal.Due
1	EMI Test Receiver	R&S	ESIB 7	2277573376	2023.03.01	2024.02.29
2	Spectrum analyzer	Agilent	N9020A	MY52134421	2023.03.01	2024.02.29
3	TRILOG Broadband Test-Antenna	SCHWARZBECK	VULB9168	VULB9168-588	2023.03.06	2025.03.05
4	horn antenna	SCHWARZBECK	BBHA9120 D	2069	2023.03.06	2025.03.05
5	High-frequency amplifier	SCHWARZBECK	BBV9743	9743-137	2023.03.01	2024.02.29
6	Broadband Preamplifier	HPX	BP-01G-18G	210902	2023.03.01	2024.02.29
7	966 Chamber	ZhongYu	9*6*6	/	2022.07.25	2025.07.24

4.9 Test Result

PASS

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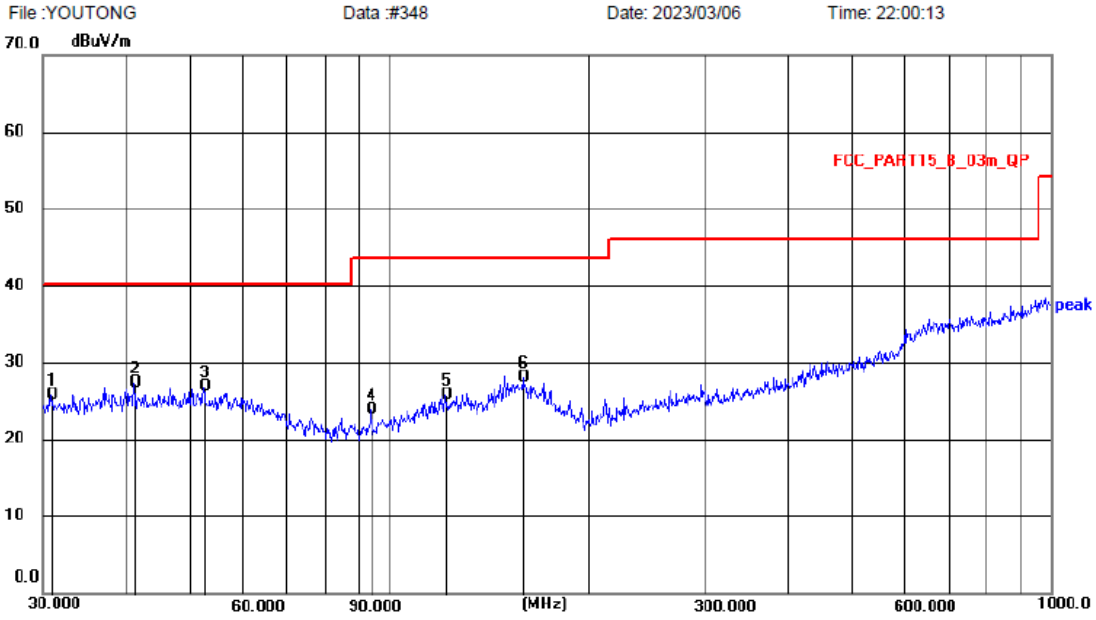
Radiated Emission Test Data of Below 1GHz

EUT:	weather station
M/N:	YT6077
Operating Condition:	CHARGING
Test Site:	3m CHAMBER
Operator:	Beek Sun
Test Voltage:	AC 120V/60Hz
Comment:	Polarization: Horizontal
Condition of Test:	Temperature:26℃ Humidity:54%



Site 966 Chamber
Limit: FCC_PART15_B_03m_QP
EUT: weather station
M/N: YT6077
Mode: Charging
Note: Applicant: Fujian Youtong Tester:Sun
Report number:QCT23CR-1266E-01

Polarization: *Horizontal*
Power: AC 120V/60Hz
Distance: 3m

Temperature: 26(C)
Humidity: 54 %

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	30.7455	11.95	13.91	25.86	40.00	14.14	QP			P	
2 *	41.1320	12.50	14.81	27.31	40.00	12.69	QP			P	
3	52.3912	12.45	14.39	26.84	40.00	13.16	QP			P	
4	93.7685	12.41	11.41	23.82	43.50	19.68	QP			P	
5	121.5486	11.65	14.15	25.80	43.50	17.70	QP			P	
6	159.2251	12.05	15.99	28.04	43.50	15.46	QP			P	

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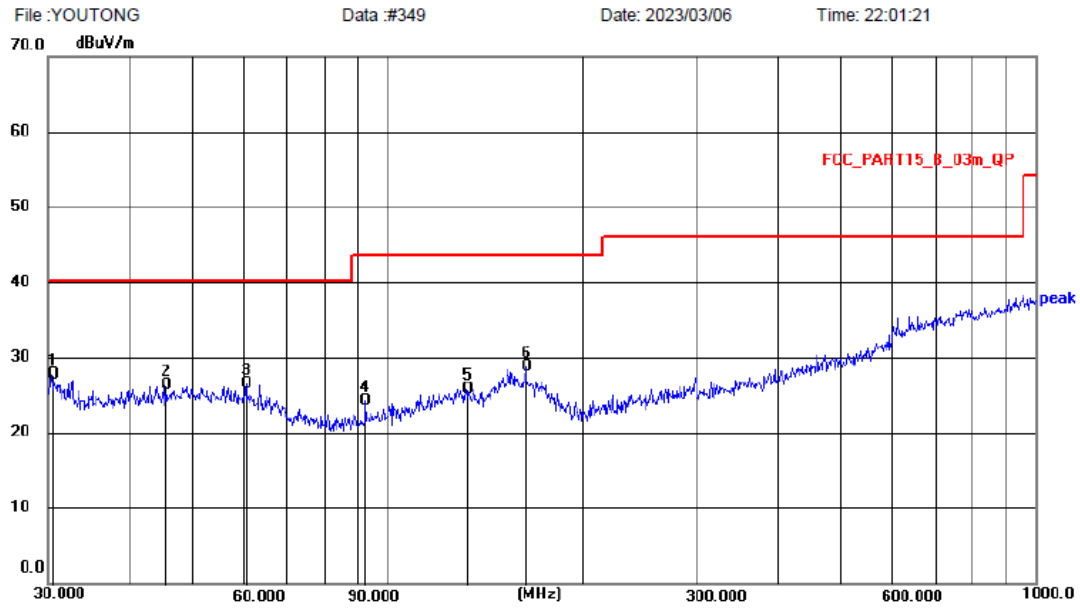
Radiated Emission Test Data of Below 1GHz

EUT:	weather station
M/N:	YT6077
Operating Condition:	CHARGING
Test Site:	3m CHAMBER
Operator:	Beek Sun
Test Voltage:	AC 120V/60Hz
Comment:	Polarization: Vertical
Condition of Test:	Temperature:26℃ Humidity:54%



Site 966 Chamber
Limit: FCC_PART15_B_03m_QP
EUT: weather station
M/N: YT6077
Mode: Charging
Note: Applicant: Fujian Youtong Tester：Sun
Report number:QCT23CR-1266E-01

Polarization: *Vertical*
Power: AC 120V/60Hz
Distance: 3m

Temperature: 26(C)
Humidity: 54 %

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 *	30.3173	14.78	12.89	27.67	40.00	12.33	QP			P	
2	45.3755	11.84	14.56	26.40	40.00	13.60	QP			P	
3	60.4919	12.63	13.83	26.46	40.00	13.54	QP			P	
4	92.4624	13.02	11.29	24.31	43.50	19.19	QP			P	
5	132.2206	11.42	14.45	25.87	43.50	17.63	QP			P	
6	163.7550	13.08	15.63	28.71	43.50	14.79	QP			P	

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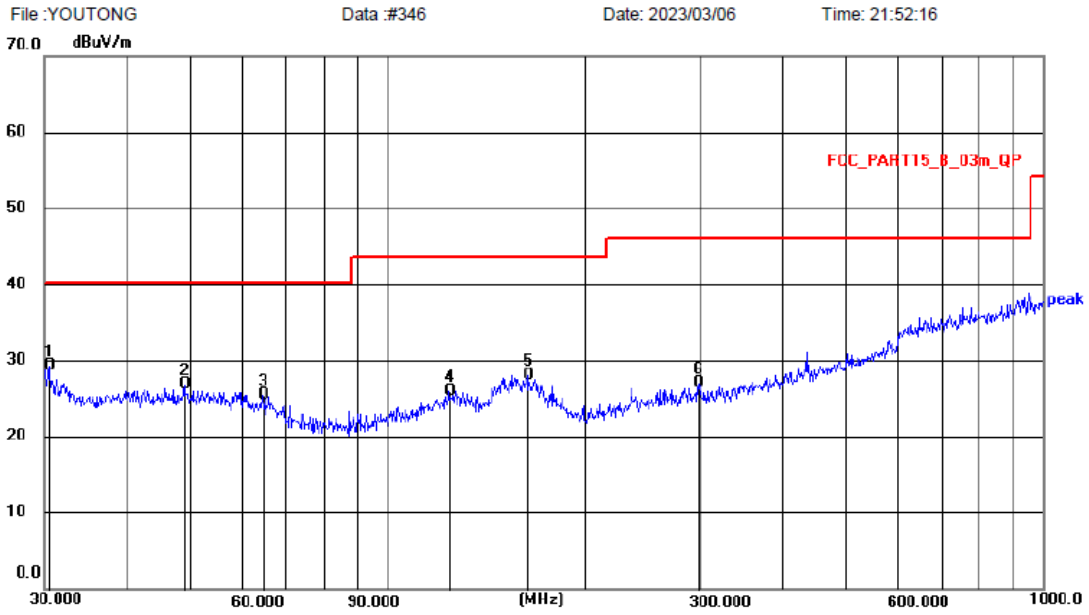
Tel: 0755-23008269 Fax: 0755-23726780 www.qctest.com.cn

Radiated Emission Test Data of Below 1GHz

EUT:	weather station
M/N:	YT6077
Operating Condition:	ON
Test Site:	3m CHAMBER
Operator:	Beek Sun
Test Voltage:	Battery 4.5V
Comment:	Polarization: Horizontal
Condition of Test:	Temperature:26℃ Humidity:54%



Site 966 Chamber
Limit: FCC_PART15_B_03m_QP
EUT: weather station
M/N: YT6077
Mode: ON
Note: Applicant: Fujian Youtong Tester:Sun
Report number:QCT23CR-1266E-01

Polarization: *Horizontal*
Power: Battery 4.5V
Distance: 3m

Temperature: 26(C)
Humidity: 54 %

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 *	30.4238	15.42	13.89	29.31	40.00	10.69	QP			P	
2	49.0145	12.39	14.54	26.93	40.00	13.07	QP			P	
3	64.4331	12.40	13.12	25.52	40.00	14.48	QP			P	
4	124.1330	11.72	14.29	26.01	43.50	17.49	QP			P	
5	163.7550	12.45	15.63	28.08	43.50	15.42	QP			P	
6	298.2681	12.37	14.71	27.08	46.00	18.92	QP			P	

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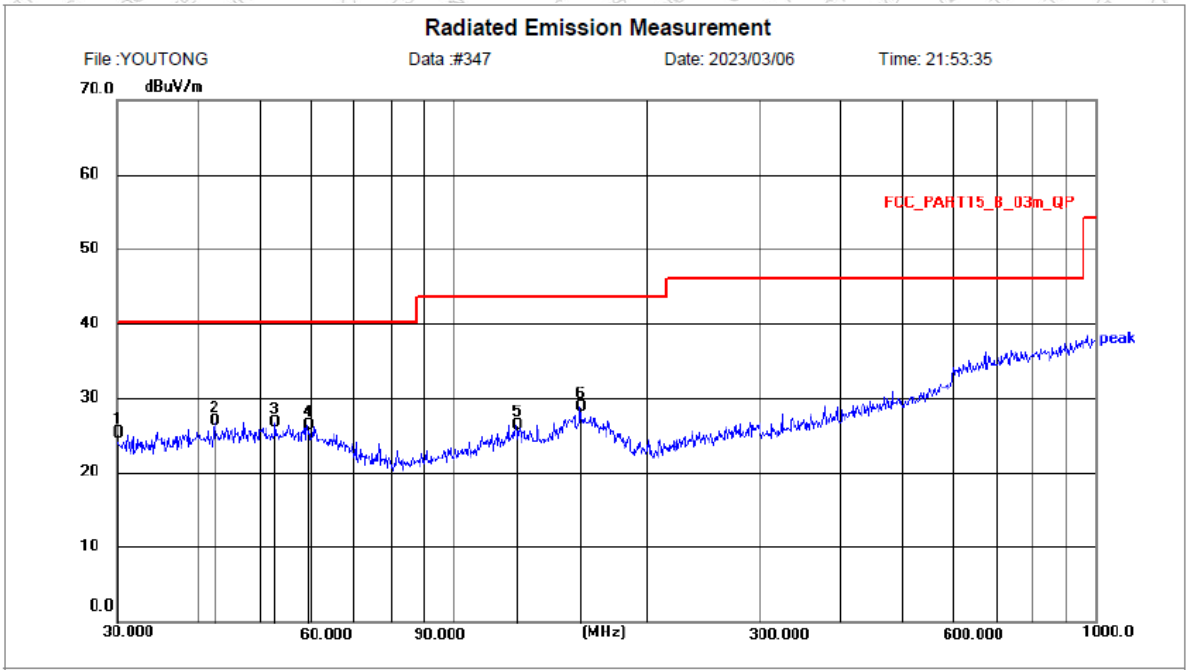
Tel: 0755-23008269 Fax: 0755-23726780 www.qctest.com.cn

Radiated Emission Test Data of Below 1GHz

EUT:	weather station
M/N:	YT6077
Operating Condition:	ON
Test Site:	3m CHAMBER
Operator:	Beek Sun
Test Voltage:	Battery 4.5V
Comment:	Polarization: Vertical
Condition of Test:	Temperature:26℃ Humidity:54%



Site 966 Chamber
Limit: FCC_PART15_B_03m_QP
EUT: weather station
M/N: YT6077
Mode: ON
Note: Applicant: Fujian Youtong Tester:Sun
Report number:QCT23CR-1266E-01

Polarization: *Vertical*
Power: Battery 4.5V
Distance: 3m

Temperature: 26(C)
Humidity: 54 %

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	30.0000	12.46	12.87	25.33	40.00	14.67	QP			P	
2 *	42.4508	12.61	14.22	26.83	40.00	13.17	QP			P	
3	52.7600	12.30	14.36	26.66	40.00	13.34	QP			P	
4	59.2325	12.37	13.96	26.33	40.00	13.67	QP			P	
5	125.0066	12.02	14.34	26.36	43.50	17.14	QP			P	
6	157.5588	12.80	15.98	28.78	43.50	14.72	QP			P	

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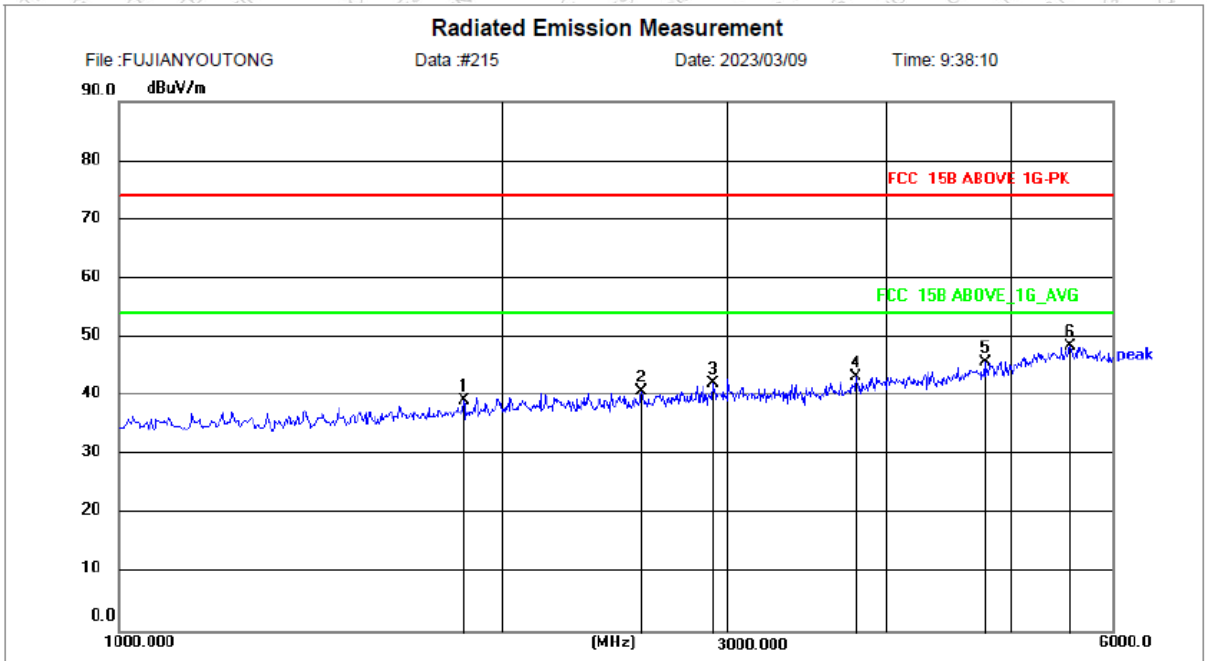
Radiated Emission Test Data of Above 1GHz

EUT:	weather station
M/N:	YT6077
Operating Condition:	CHARGING
Test Site:	3m CHAMBER
Operator:	Beek Sun
Test Voltage:	AC 120V/60Hz
Comment:	Polarization: Horizontal
Condition of Test:	Temperature:26℃ Humidity:54%



Site 966 Chamber
Limit: FCC 15B ABOVE 1G-PK
EUT: weather station
M/N: YT6077
Mode: Charging
Note: Tester:sun Sample No.: Y23C1266E01YN
Report number: QCT23CR-1266E-01

Polarization: *Horizontal*
Power: AC 120V/60Hz
Distance: 3m

Temperature: 26(C)
Humidity: 54 %

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	1865.000	51.53	-12.34	39.19	74.00	34.81	peak			P	
2	2570.000	50.69	-9.81	40.88	74.00	33.12	peak			P	
3	2920.000	50.45	-8.34	42.11	74.00	31.89	peak			P	
4	3780.000	50.18	-6.96	43.22	74.00	30.78	peak			P	
5	4775.000	50.54	-4.69	45.85	74.00	28.15	peak			P	
6 *	5575.000	50.20	-1.68	48.52	74.00	25.48	peak			P	

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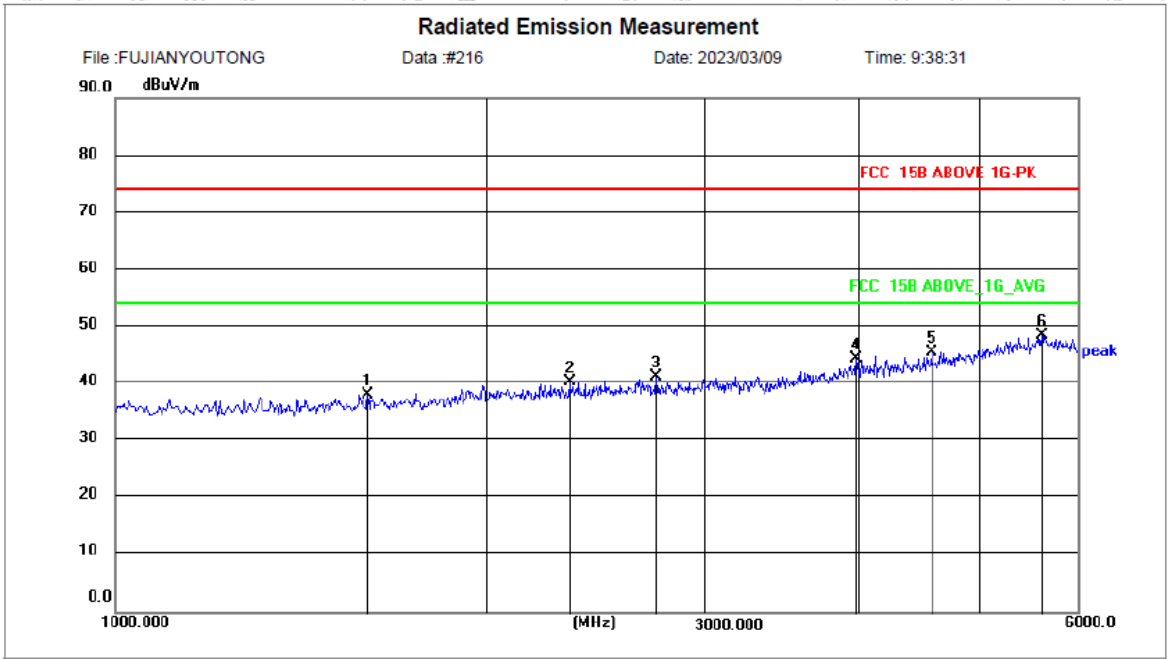
Radiated Emission Test Data of Above 1GHz

EUT:	weather station
M/N:	YT6077
Operating Condition:	CHARGING
Test Site:	3m CHAMBER
Operator:	Beek Sun
Test Voltage:	AC 120V/60Hz
Comment:	Polarization: Vertical
Condition of Test:	Temperature:26℃ Humidity:54%



Site 966 Chamber
Limit: FCC 15B ABOVE 1G-PK
EUT: weather station
M/N: YT6077
Mode: Charging
Note: Tester:sun Sample No.: Y23C1266E01YN
Report number: QCT23CR-1266E-01

Polarization: *Vertical*
Power: AC 120V/60Hz
Distance: 3m

Temperature: 26(C)
Humidity: 54 %

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	1600.000	51.65	-13.46	38.19	74.00	35.81	peak			P	
2	2330.000	50.95	-10.47	40.48	74.00	33.52	peak			P	
3	2740.000	50.65	-9.34	41.31	74.00	32.69	peak			P	
4	3975.000	50.75	-6.38	44.37	74.00	29.63	peak			P	
5	4575.000	50.81	-5.16	45.65	74.00	28.35	peak			P	
6 *	5620.000	50.19	-1.74	48.45	74.00	25.55	peak			P	

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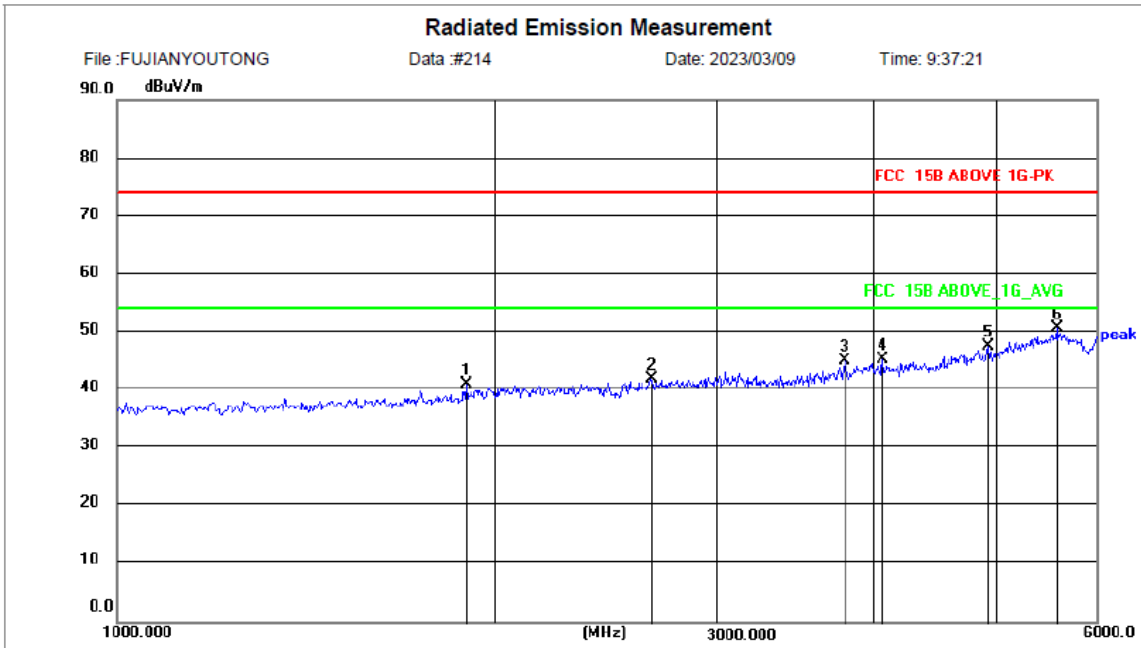
Radiated Emission Test Data of Above 1GHz

EUT:	weather station
M/N:	YT6077
Operating Condition:	ON
Test Site:	3m CHAMBER
Operator:	Beek Sun
Test Voltage:	Battery 4.5V
Comment:	Polarization: Horizontal
Condition of Test:	Temperature:26℃ Humidity:54%



Site 966 Chamber
Limit: FCC 15B ABOVE 1G-PK
EUT: weather station
M/N: YT6077
Mode: ON
Note: Tester:sun Sample No.: Y23C1266E01YN
Report number:QCT23CR-1266E-01

Polarization: *Horizontal*
Power: Battery 4.5V
Distance: 3m

Temperature: 26(C)
Humidity: 54 %

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	1895.000	53.12	-12.09	41.03	74.00	32.97	peak			P	
2	2655.171	51.37	-9.46	41.91	74.00	32.09	peak			P	
3	3790.000	52.16	-6.94	45.22	74.00	28.78	peak			P	
4	4065.000	51.68	-6.39	45.29	74.00	28.71	peak			P	
5	4930.000	51.78	-4.15	47.63	74.00	26.37	peak			P	
6 *	5590.000	52.32	-1.64	50.68	74.00	23.32	peak			P	

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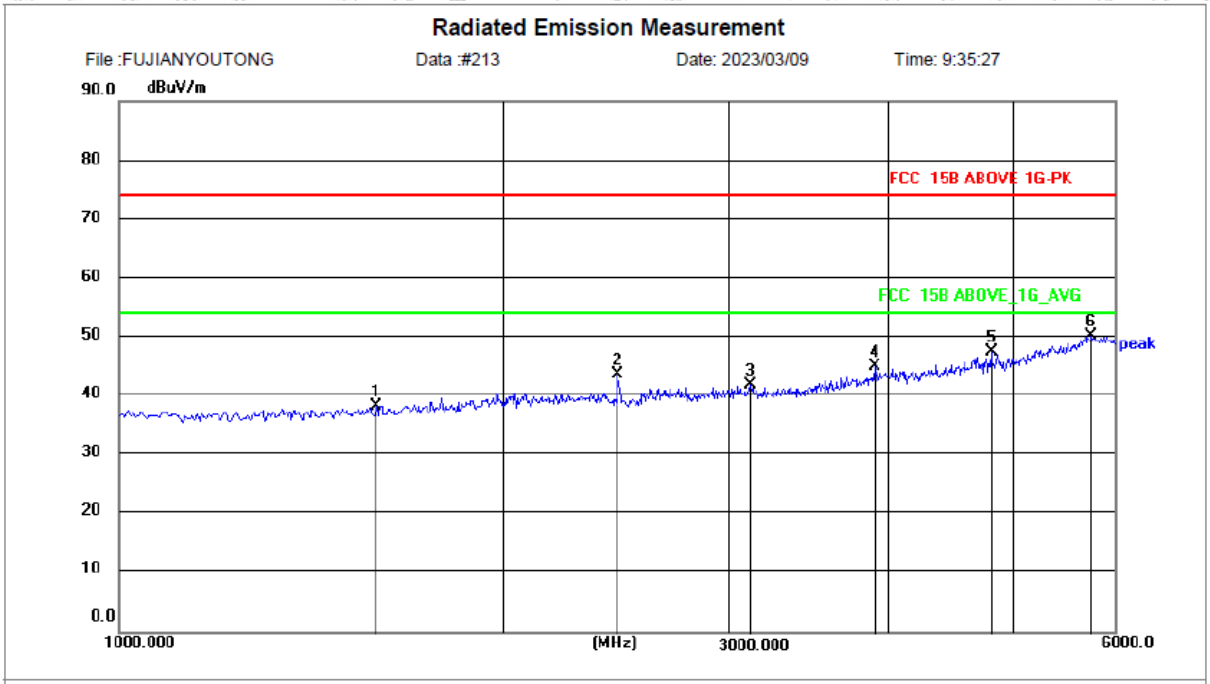
Radiated Emission Test Data of Above 1GHz

EUT:	weather station
M/N:	YT6077
Operating Condition:	ON
Test Site:	3m CHAMBER
Operator:	Beek Sun
Test Voltage:	Battery 4.5V
Comment:	Polarization: Vertical
Condition of Test:	Temperature:26℃ Humidity:54%



Site 966 Chamber
Limit: FCC 15B ABOVE 1G-PK
EUT: weather station
M/N: YT6077
Mode: ON
Note: Tester:sun Sample No.: Y23C1266E01YN
Report number:QCT23CR-1266E-01

Polarization: *Vertical*
Power: Battery 4.5V
Distance: 3m

Temperature: 26(C)
Humidity: 54 %

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	1590.000	51.90	-13.50	38.40	74.00	35.60	peak			P	
2	2455.000	53.79	-10.13	43.66	74.00	30.34	peak			P	
3	3115.000	50.31	-8.40	41.91	74.00	32.09	peak			P	
4	3900.000	51.71	-6.59	45.12	74.00	28.88	peak			P	
5	4805.000	52.10	-4.53	47.57	74.00	26.43	peak			P	
6 *	5760.000	51.73	-1.43	50.30	74.00	23.70	peak			P	

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APPENDIX A – EUT PHOTOGRAPHS

Figure 1

Figure 2

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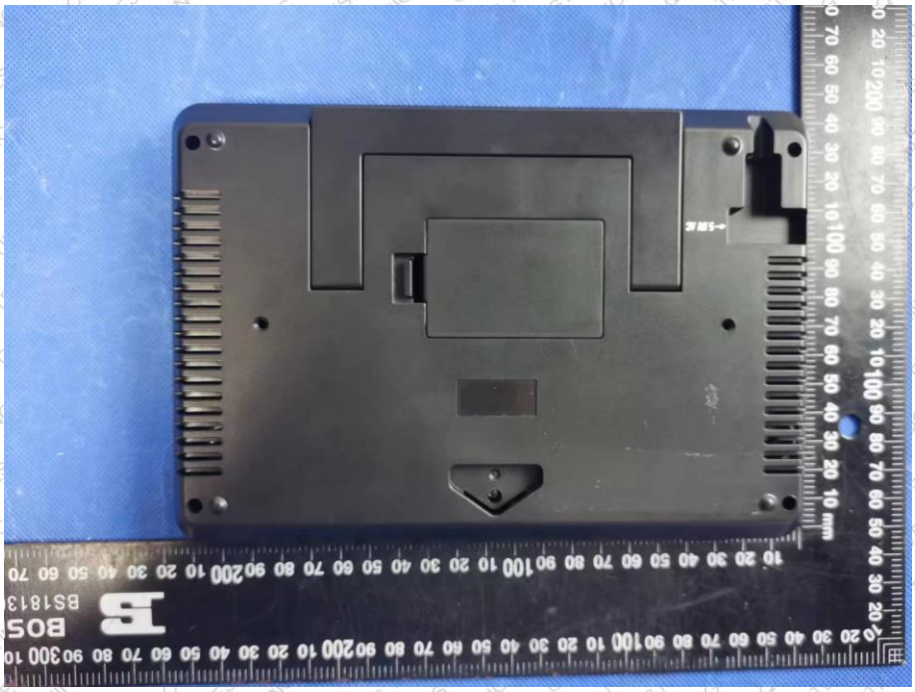

Figure 3

Figure 4

Address: East of 1/F., Building E, Xinghong Science Park, No.111, Shuiku Road, Fenghuanggang, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China
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Figure 5

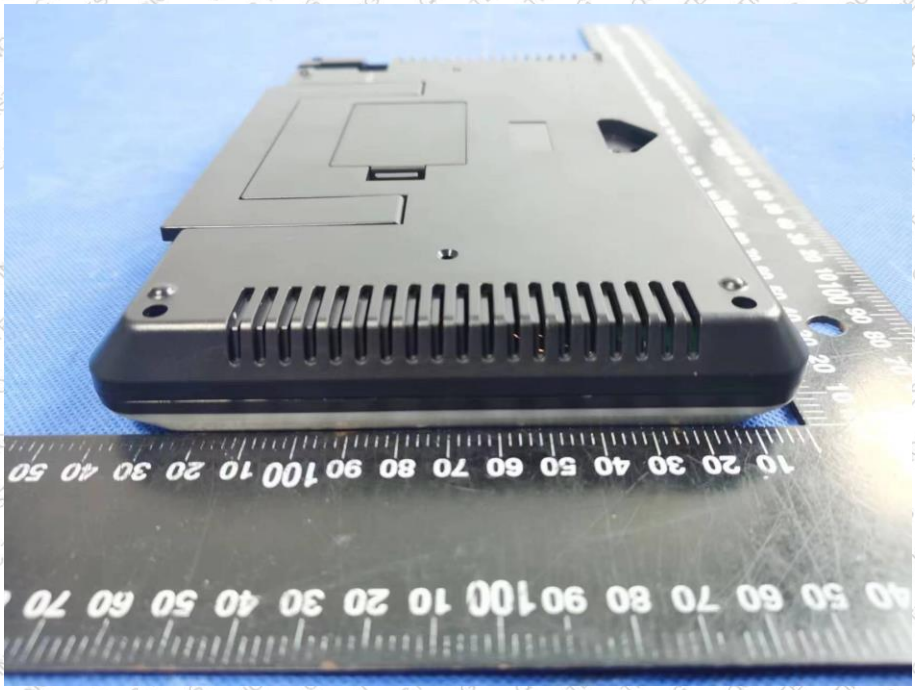

Figure 6

Address: East of 1/F., Building E, Xinghong Science Park, No.111, Shuiku Road, Fenghuanggang, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China
Tel: 0755-23008269 Fax: 0755-23726780 www.qctest.com.cn

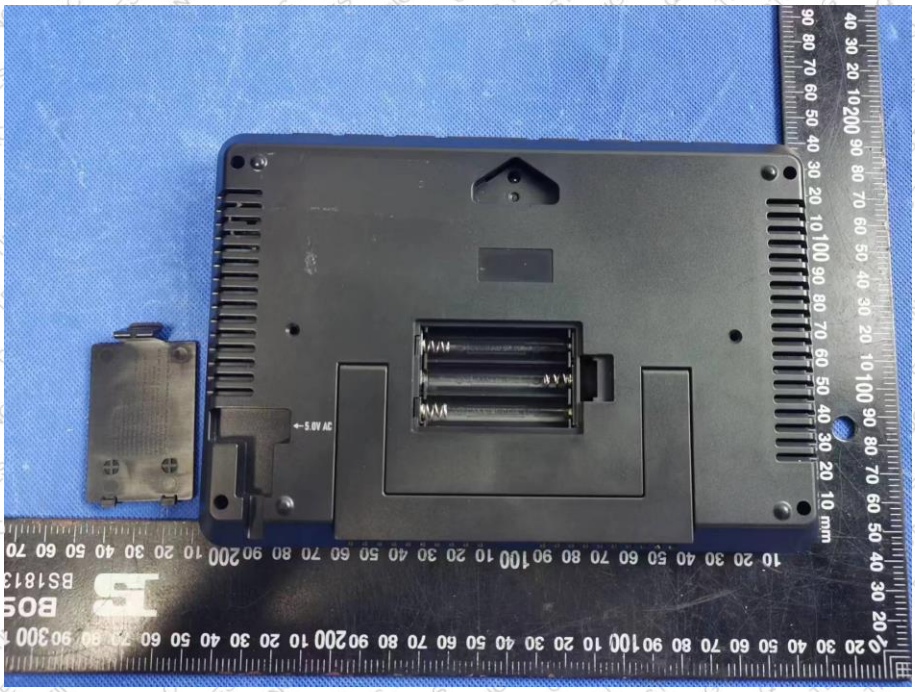

Figure 7

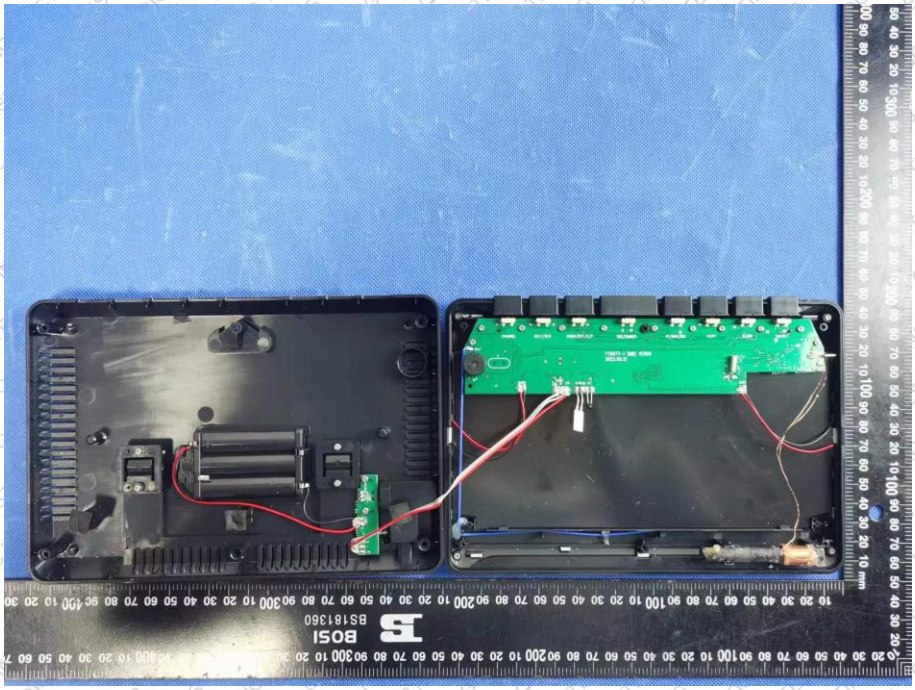

Figure 8

Address: East of 1/F., Building E, Xinghong Science Park, No.111, Shuiku Road, Fenghuanggang, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China
Tel: 0755-23008269 Fax: 0755-23726780 www.qctest.com.cn

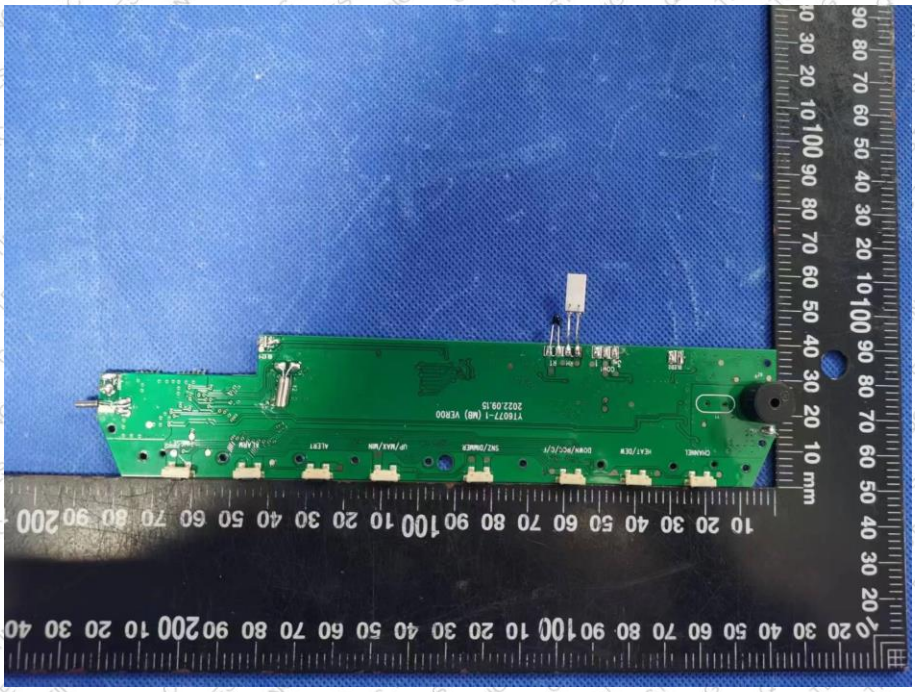

Figure 9

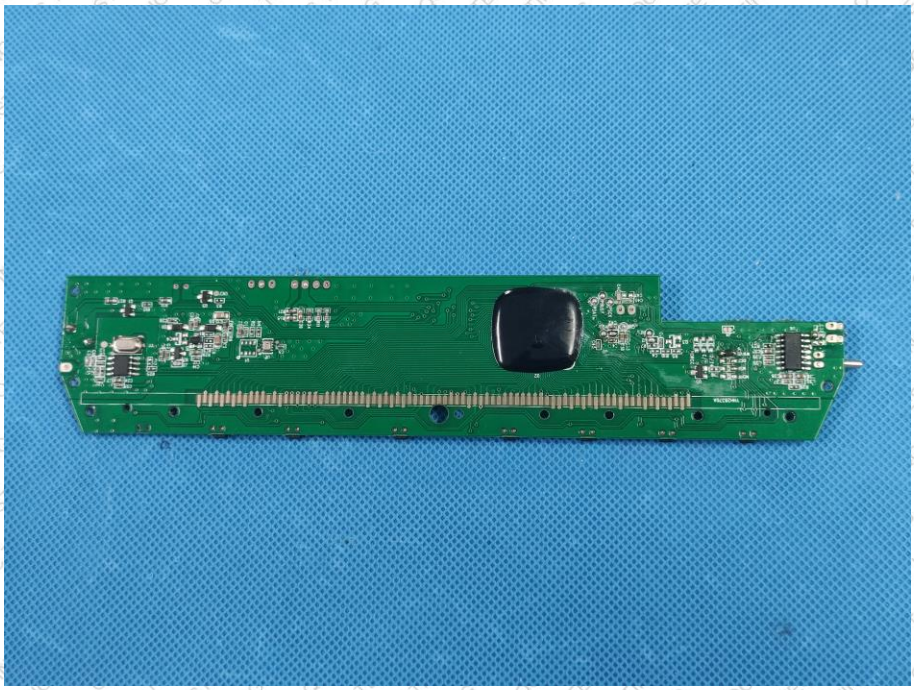

Figure 10

Address: East of 1/F., Building E, Xinghong Science Park, No.111, Shuiku Road, Fenghuanggang, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China
Tel: 0755-23008269 Fax: 0755-23726780 www.qctest.com.cn

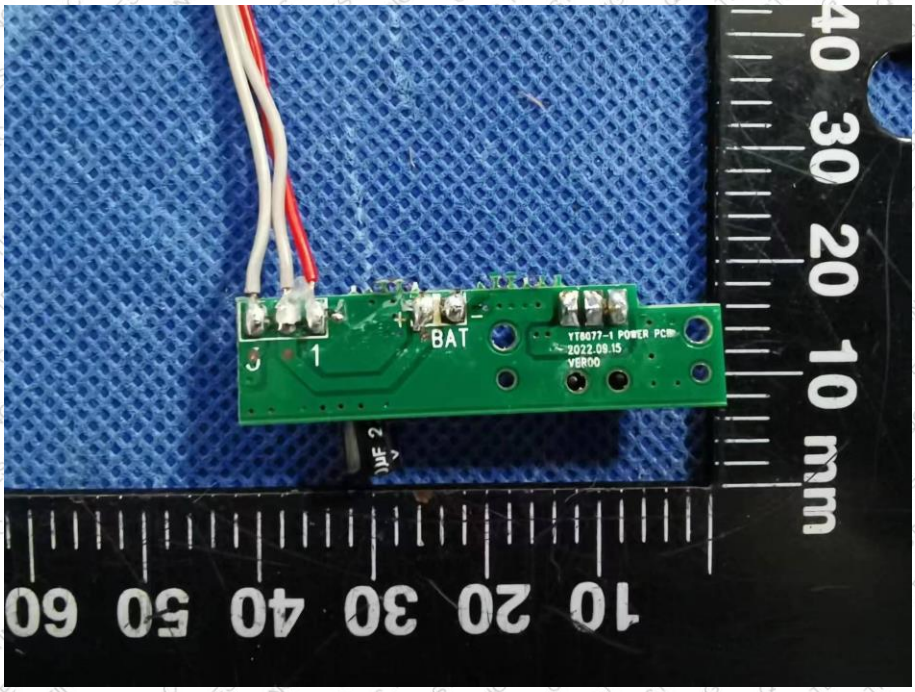

Figure 11

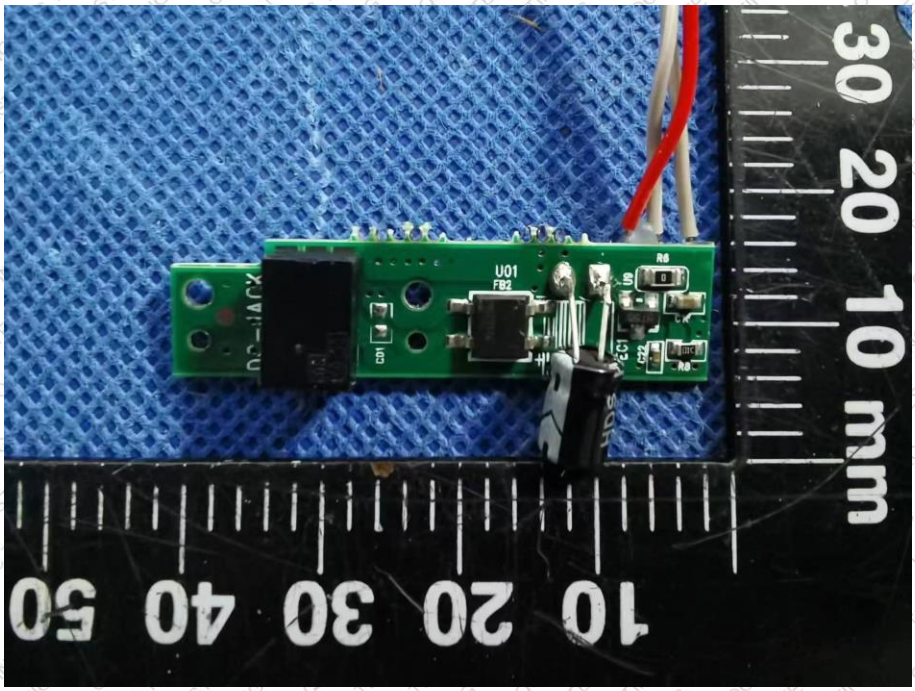

Figure 12

Address: East of 1/F., Building E, Xinghong Science Park, No.111, Shuiku Road, Fenghuanggang, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China
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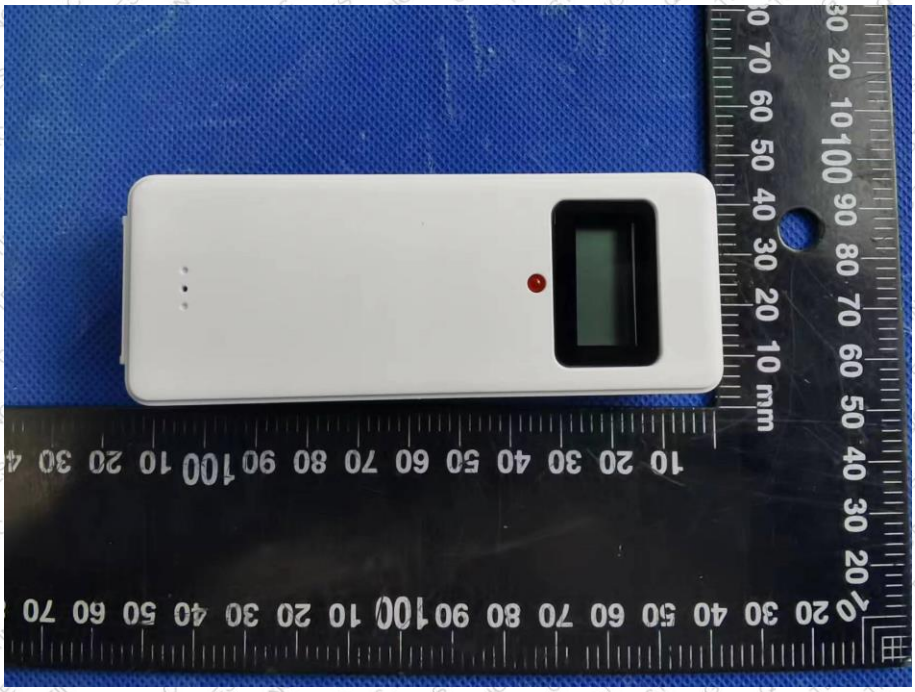

Figure 13

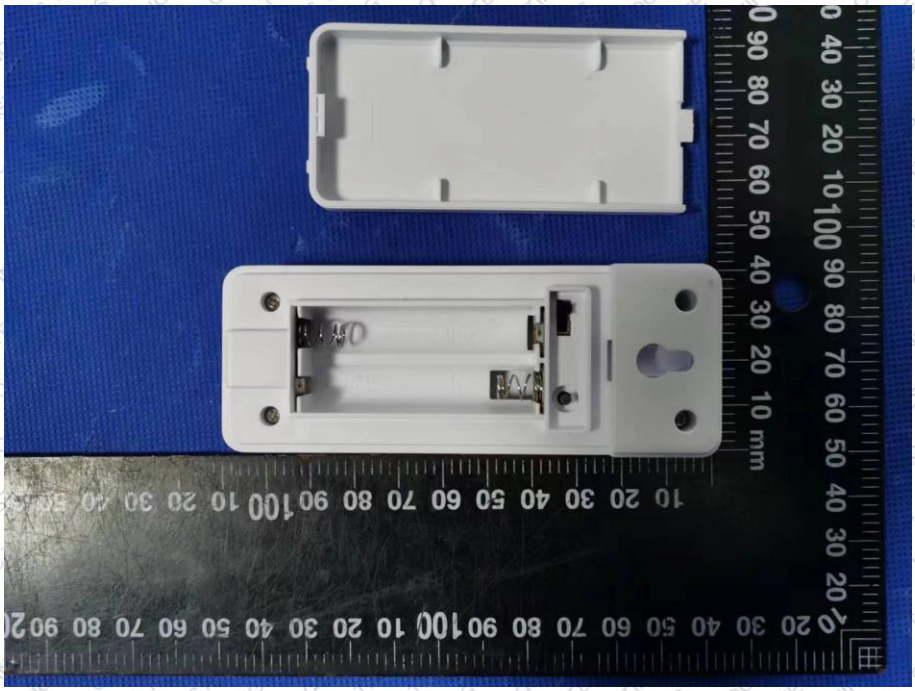

Figure 14

Address: East of 1/F., Building E, Xinghong Science Park, No.111, Shuiku Road, Fenghuanggang, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China
Tel: 0755-23008269 Fax: 0755-23726780 www.qctest.com.cn

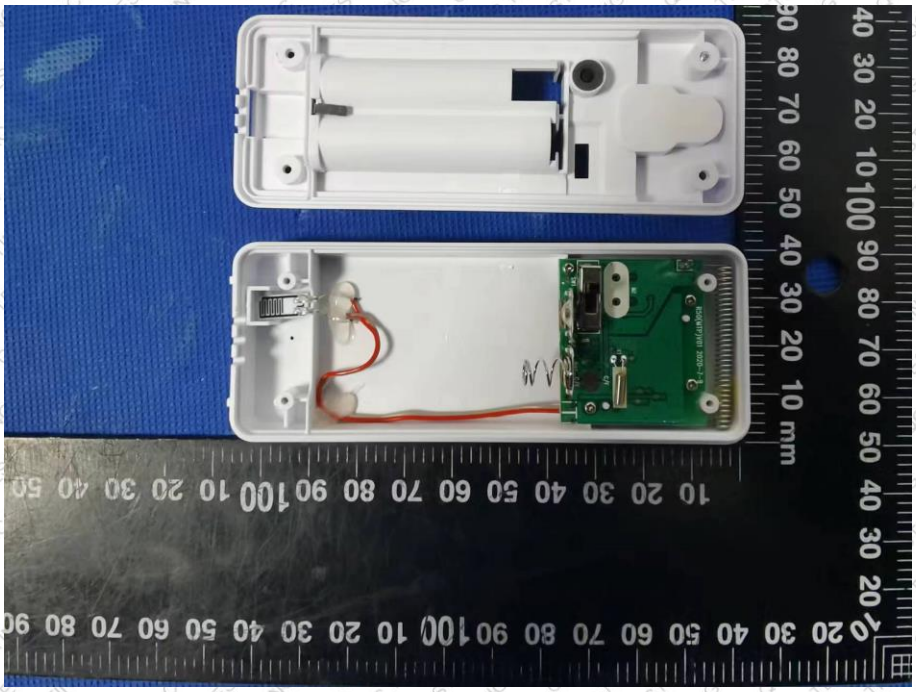

Figure 15

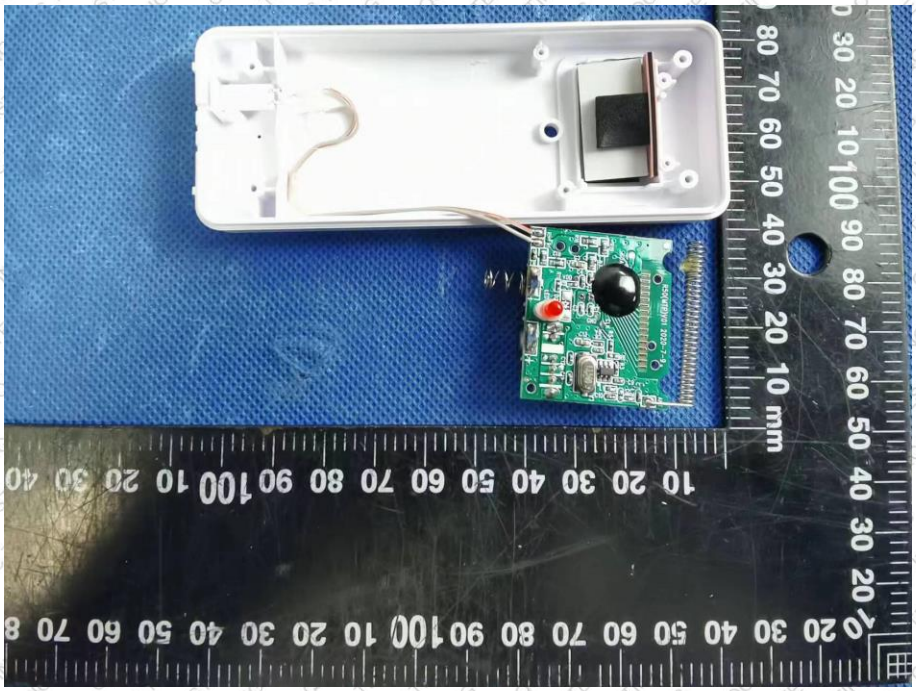

Figure 16

Address: East of 1/F., Building E, Xinghong Science Park, No.111, Shuiku Road, Fenghuanggang, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China
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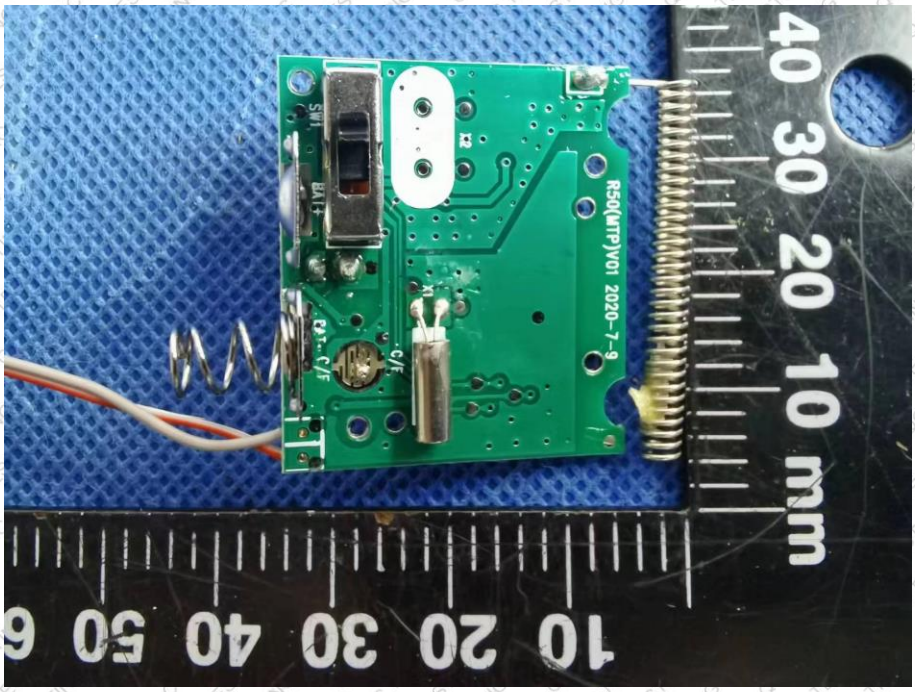

Figure 17

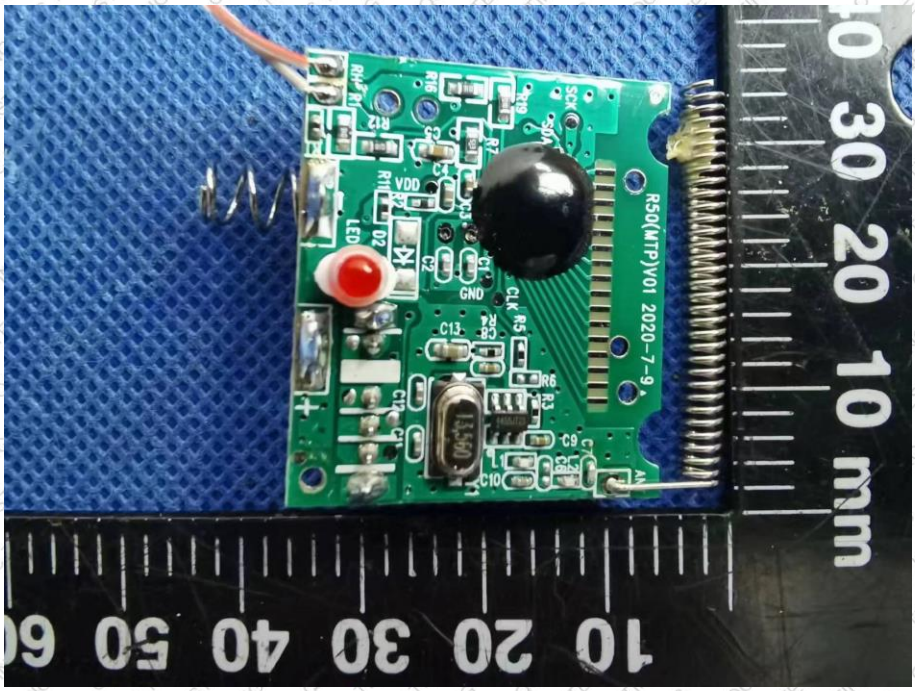

Figure 18

Address: East of 1/F., Building E, Xinghong Science Park, No.111, Shuiku Road, Fenghuanggang, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China
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Figure 19

Address: East of 1/F., Building E, Xinghong Science Park, No.111, Shuiku Road, Fenghuanggang, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China
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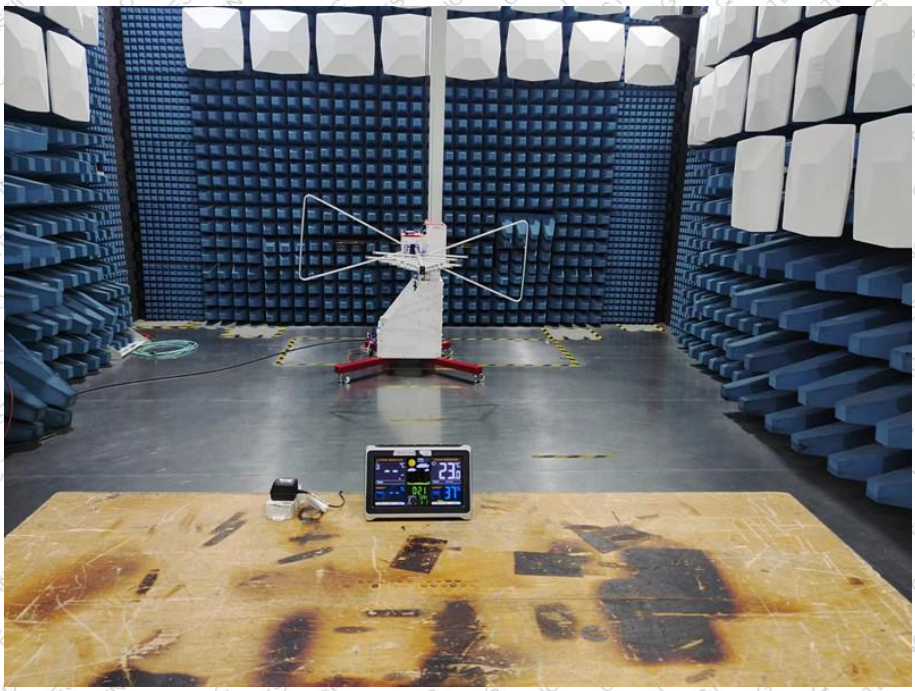
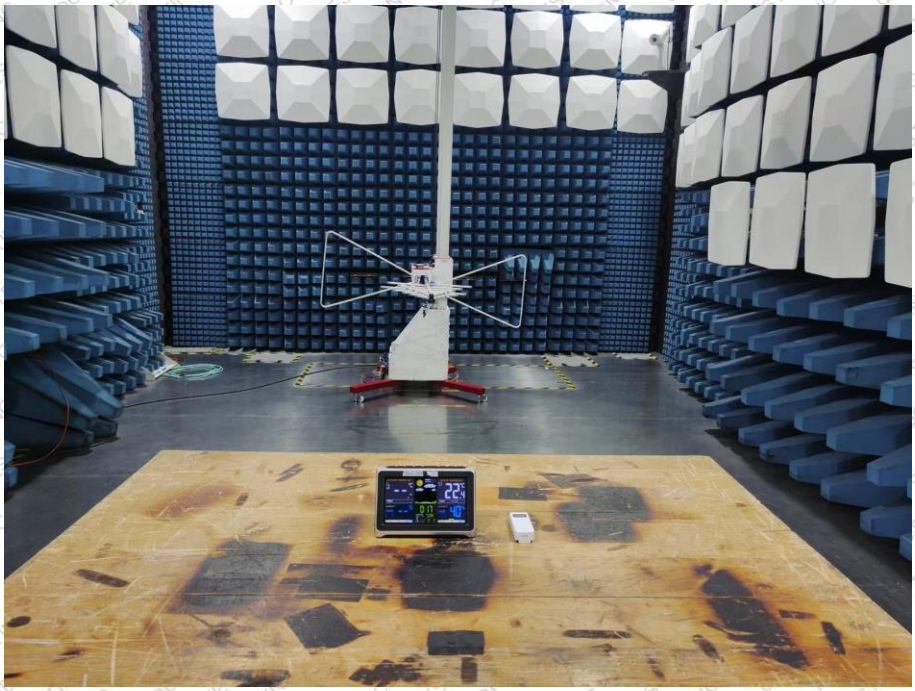
APPENDIX B- TEST SETUP PHOTOGRAPHS

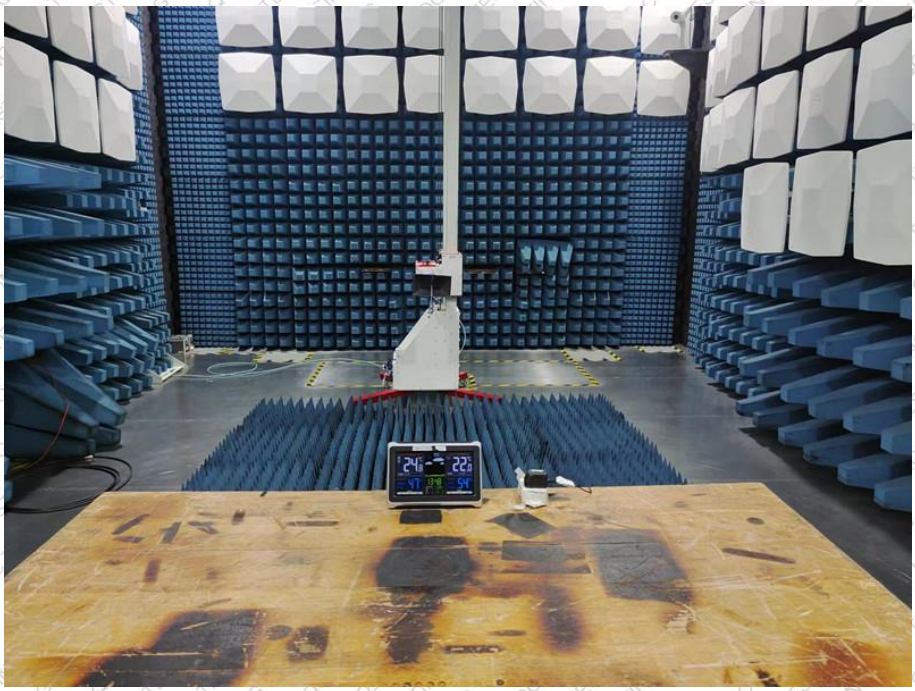
Disturbance Voltage

Radiated Disturbances



Address: East of 1/F., Building E, Xinghong Science Park, No.111, Shuiku Road, Fenghuanggang, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China
Tel: 0755-23008269 Fax: 0755-23726780 www.qctest.com.cn





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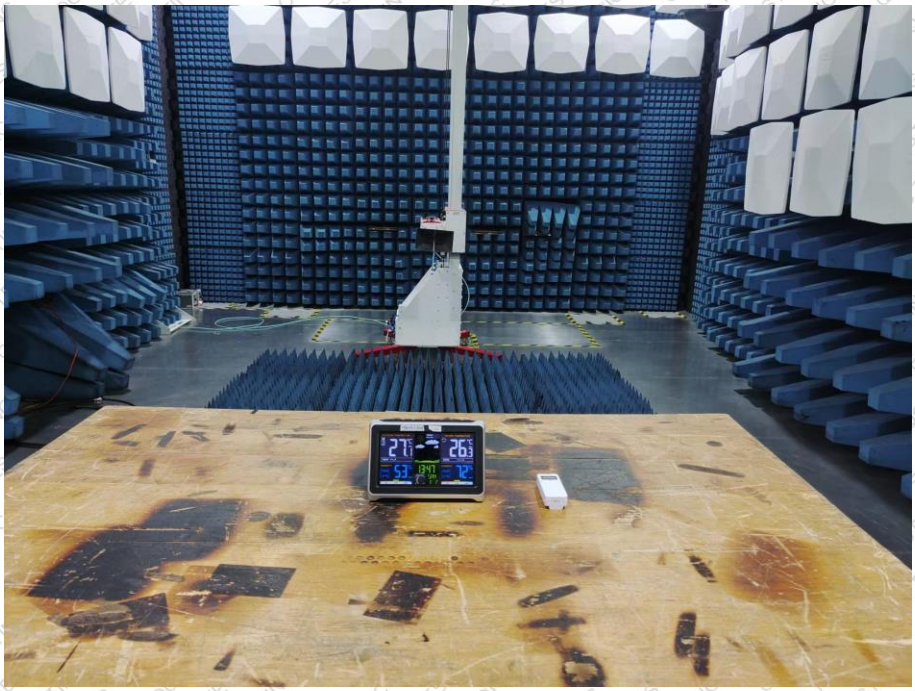
Tel: 0755-23008269 Fax: 0755-23726780 www.qctest.com.cn



End of Test Report

Address: East of 1/F., Building E, Xinghong Science Park, No.111, Shuiku Road, Fenghuanggang, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China
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