China

RF - TEST REPORT

Report Number	:	**64.790.13.02590.01- FCC**	Date of Issue:	2013-11-04

Model	:	A0-RC01
Product Type	:	Remote Control
FCC ID	:	2AAUHA0-RC01REMOTE
Applicant	:	SHANGHAI ETIGER DIGITAL TECHNOLOGY CO.,LTD
Address	:	1905,Greenland bld, 1258 YuYuan rd, ChangNing District Shanghai, 200050 China
License Holder	:	SHANGHAI ETIGER DIGITAL TECHNOLOGY CO.,LTD
Address	:	1905,Greenland bld, 1258 YuYuan rd, ChangNing District Shanghai, 200050 China
Test Result	:	■ **Positive** ☐ **Negative**
Total pages including Appendices	:	35

TÜV SÜD China is a subcontractor to TÜV SÜD Product Service GmbH according to the principles outlined in ISO 17025.
TÜV SÜD China reports apply only to the specific samples tested under stated test conditions. Construction of the actual test samples has been documented. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. The manufacturer/importer is responsible to the Competent Authorities in Europe for any modifications made to the production units which result in non-compliance to the relevant regulations. TÜV SÜD China shall have no liability for any deductions, inferences or generalizations drawn by the client or others from TÜV SÜD China issued reports.
This report is the confidential property of the client. As a mutual protection to our clients, the public and ourselves, extracts from the test report shall not be reproduced except in full without our written approval

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

China

Contents

Jiangsu TÜV Product Service Ltd. Guangzhou Branch

5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

1. DETAILS ABOUT THE TEST LABORATORY

Details about the Test Laboratory

Test Site 1

Company name:	Jiangsu TÜV Product Service Ltd. Guangzhou Branch
	5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China
TEL:	+86 20 3832 0668
FAX:	+86 20 3832 0478

Test Site 2

Company name:	Neutron Engineering Inc. No.3.JinShaGang 1st Road, ShiXia,DaLang Town, DongGuan, China
Telephone:	86 769 83183000
Fax:	86 769 83196000

	January 24, 2005 File on Federal Communications Commission Laboratory Division 7435 Oakland Mills Road Columbia, MD 21046
Registration Number:	319330

2. DESCRIPTION OF THE EQUIPMENT UNDER TEST

Test Standards	
FCC Part 15 Subpart C (10–1–12 Edition)	PART 15 - RADIO FREQUENCY DEVICES Subpart C - Intentional Radiators

Equipment	Remote Control
Model Name.	A0-RC01
Product Description	<table><tr><td>Product Type</td><td>Remote Control</td></tr><tr><td>Operation Frequency:</td><td>2420MHz</td></tr><tr><td>modulation Type:</td><td>FSK</td></tr><tr><td>Number Of Channel</td><td>1</td></tr><tr><td>Antenna Designation:</td><td>PCB layout</td></tr><tr><td>Antenna Gain(Peak)</td><td>0.5 dBi max.</td></tr><tr><td>Maximum Field strength</td><td>91.03dBuV/m</td></tr></table> More details of EUT technical specification. Please refer to the User's Manual.
Channel List	Please refer to the Note 2.
Power Source	DC 3V(“CR2032”)
Connecting I/O Port(s)	N/A
Products Covered	N/A
Antenna	PCB layout 

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

3. SUMMARY OF TEST RESULTS

Technical Requirements			
Transmit mode			
Test Items	Test Result		
	Pass	Fail	Test site
15.249 (a) Field Strength of Fundamental	☒	☐	Site 2
15.249 (a) & 15.249 (d) Field Strength of Unwanted Emissions	☒	☐	Site 2
15.215 (c) Occupied Bandwidth	☒	☐	Site 2

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

4. GENERAL REMARKS

This submittal(s) (test report) is intended for
FCC ID: 2AAUHA0-RC01REMOTE
filing to comply with
- Section 15.215, 15.209, 15.249 of the FCC Part 15, Subpart C Rules. Tests have been carried out in accordance with FCC rules Part 15 Subpart C, ANSI C63.4 (2009).

SUMMARY:

All tests according to the regulations cited on page 7 were

■ - Performed

☐ - **Not** Performed

The Equipment Under Test

■ - **Fulfills** the general approval requirements.

☐ - **Does not** fulfill the general approval requirements.

Testing Start Date: 2013-08-14

Testing End Date: 2013-08-18

- JIANGSU TÜV PRODUCT SERVICE LTD. GUANGZHOU BRANCH-

Reviewed by: Prepared by:

Tony Liu Celia Xiang

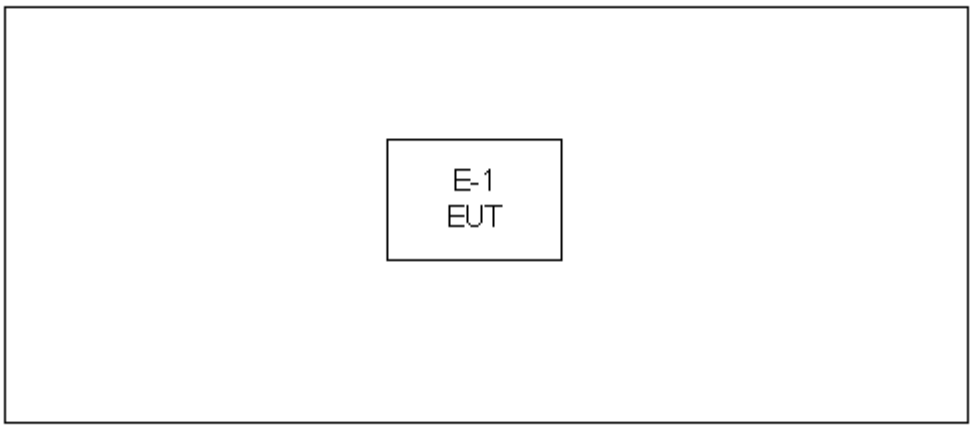
Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

5. DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Final Test Mode	Description
Mode 1	Continuously transmitting at 2420MHz.

5.1 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



5.2 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.	Note

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

Item	Shielded Type	Ferrite Core	Length	Note

Note:
(1) The support equipment was authorized by Declaration of Confirmation.
(2) For detachable type I/O cable should be specified the length in m in『Length』column.

6. TEST RESULTS

6.1 MEASUREMENT UNCERTAINTY

For a 95% confidence level(k=2), the measurement expanded uncertainties for defined systems accordance with the recommendations of ISO 17025 as following:

Test item		expanded uncertainty
Bandwidth	Magnitude (%)	U= 0.5%
Radiated spurious emission	Filed strength (dBuV/m)	U= 2.61dB(30MH~1GHz) U= 2.6dB(above 1GHz)

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

6.2 FIELD STRENGTH OF FUNDAMENTAL& UNWANTED EMISSIONS

6.2.1 Limits

FCC Part 15.249(a)		
Fundamental Frequency (MHz)	Field Strength of Fundamental (dBuV/m @ 3m)	Field Strength of Harmonics (dBuV/m @ 3m)
902 to 928	94.0	54.0
2400 to 2483.5	94.0	54.0
5725 to 5875	94.0	54.0
24000 to 24250	108.0	68.0
FCC Part 15.249(d)		
Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.		

6.2.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Apr. 25, 2014
2	Amplifier	HP	8447D	2944A09673	Apr. 25, 2014
3	Test Receiver	R&S	ESCI	100382	Apr. 25, 2014
4	Test Cable	N/A	C-01_CB03	N/A	Jul. 02, 2014
5	Controller	CT	SC100	N/A	N/A
6	Antenna	ETS	3115	00075789	Apr. 25, 2014
7	Amplifier	Agilent	8449B	3008A02274	Apr. 25, 2014
8	Spectrum	Agilent	E4408B	US39240143	Nov. 16, 2013
9	Test Cable	HUBER+SUHNER	C-45	N/A	Apr. 30, 2014

Remark: ” N/A” denotes No Model Name. / Serial No. and No Calibration specified.

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RBW 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RBW 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RBW 120kHz for QP

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1GHz
Stop Frequency	10th carrier harmonic
RBW / VBW (emission in restricted band)	1 MHz / 1 MHz for Peak, 1MHz/10Hz for average

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

6.2.3 TEST PROCEDURE

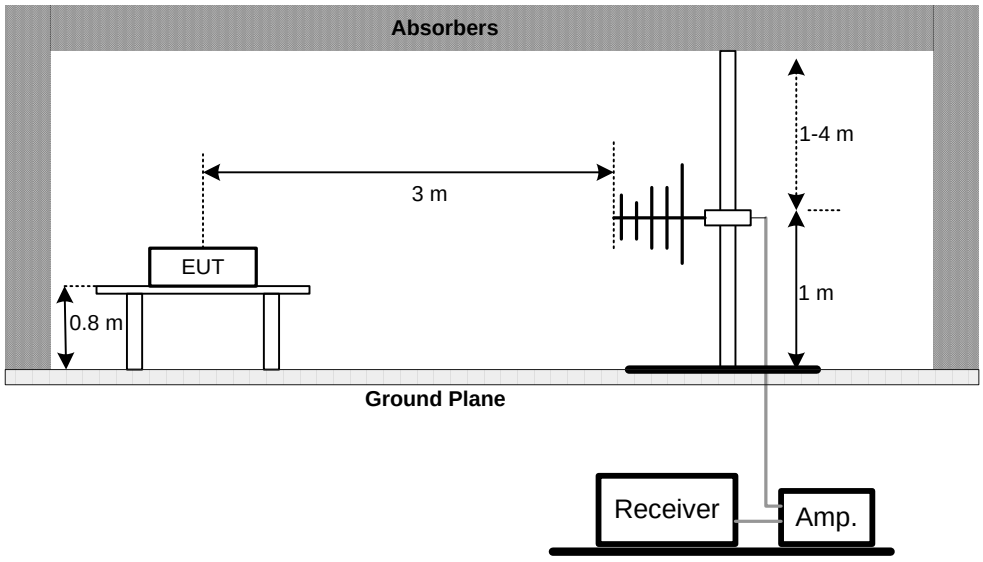
a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3m meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
f. For the actual test configuration, please refer to the related Item – EUT Test Photos.

6.2.4 DEVIATION FROM TEST STANDARD

No deviation

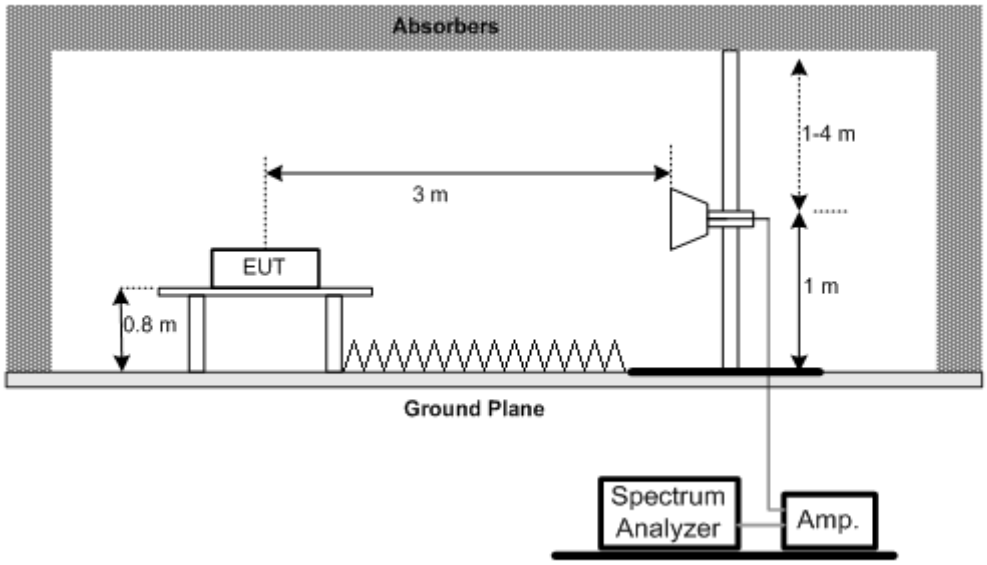
6.2.5 TEST SETUP

(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

(B) Radiated Emission Test Set-Up Frequency Above 1 GHz



6.2.6 EUT OPERATING CONDITIONS

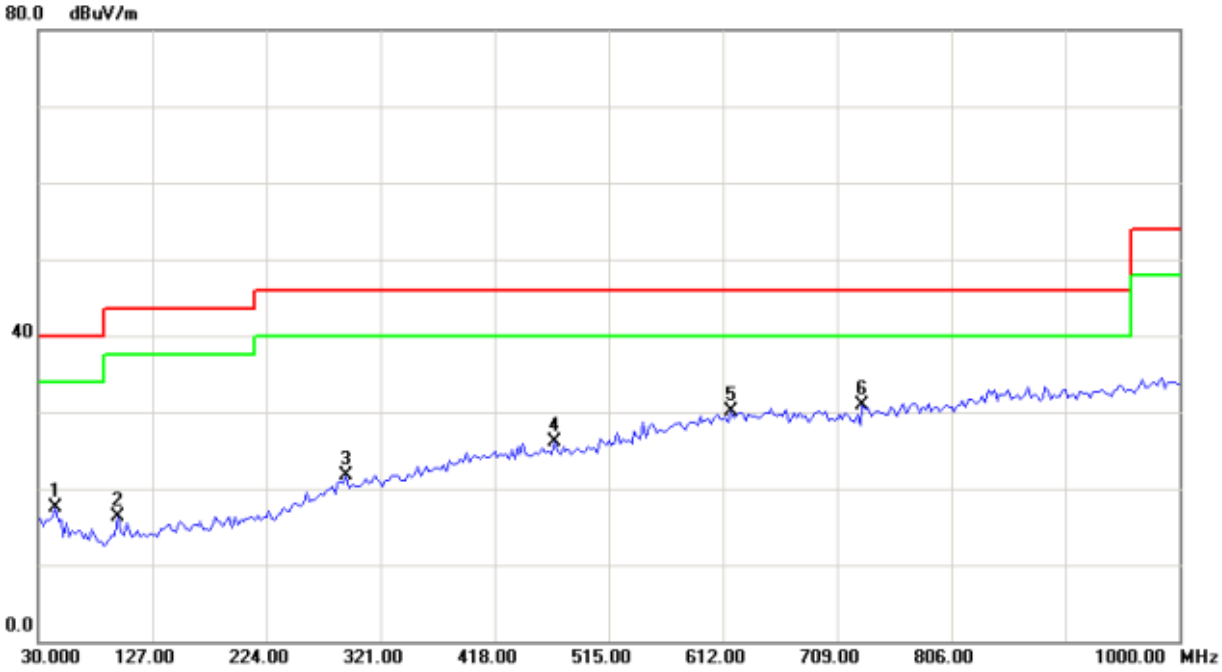
The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

6.2.7 TEST RESULTS

Below 1GHz:

Model:	A0-RC01	Result:	PASS
Temperature：	23℃	Relative Humidity：	51 %
Pressure：	1001 hPa	Test voltage：	DC 3V
Test Mode ：	Transmitting mode.	Antenna polarity:	Vertical – X axis

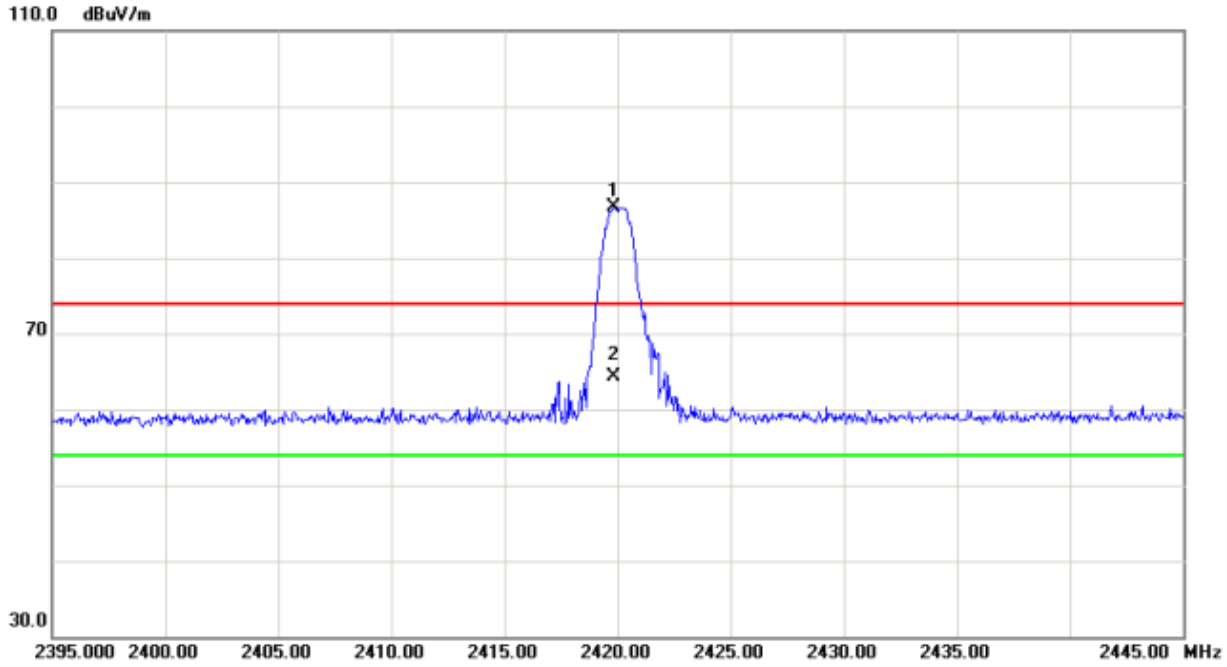


No significant emission was detected within 10 dB to limit

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

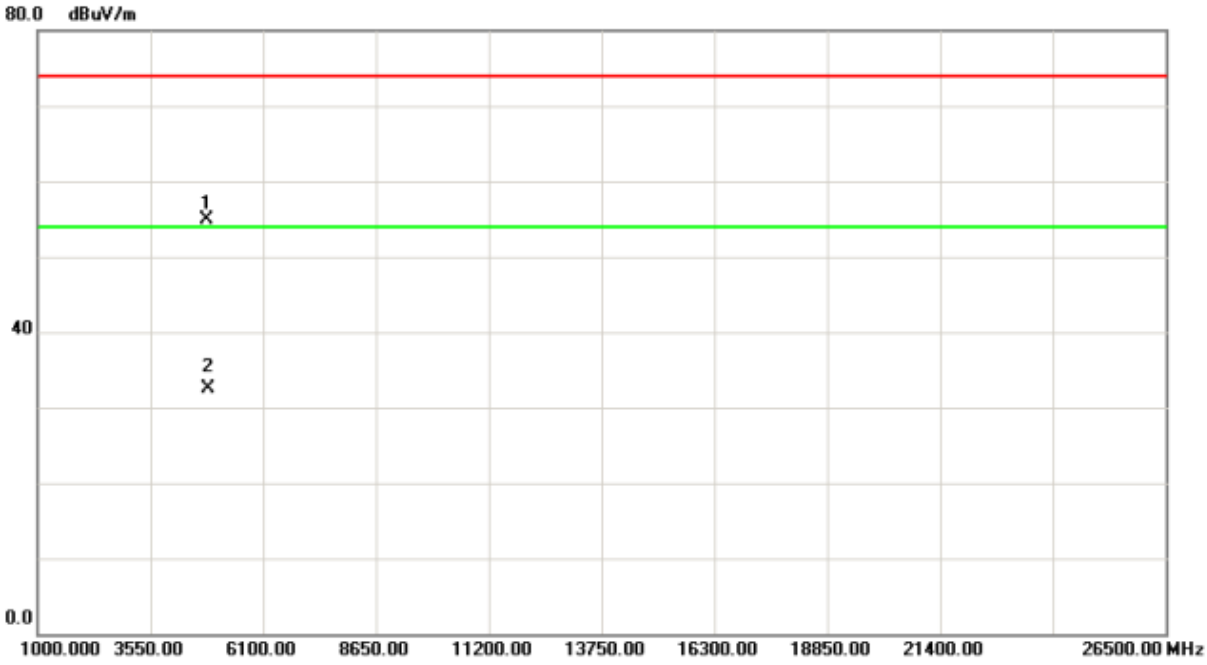
Above 1GHz:

Model:	A0-RC01	Result:	PASS
Temperature：	25℃	Relative Humidity：	58 %
Pressure：	1009 hPa	Test voltage：	DC 3V
Test Mode ：	Transmitting mode.	Antenna polarity:	Vertical – X axis



Frequency	Reading level	Correct factor	measure ment	Limit	Over	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
2420	52.58	34.18	86.76	114	-27.24	Peak
2420	30.20	34.18	64.38	94	-29.62	AVG

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478



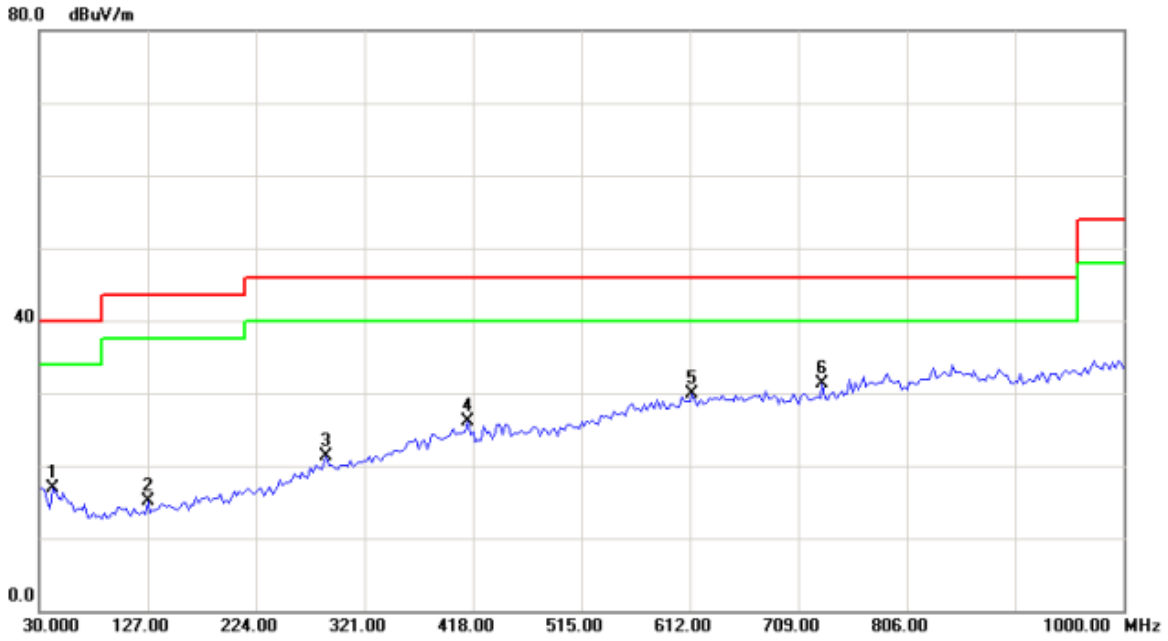
Frequency	Reading level	Correct factor	Measurement	Limit	Over	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4840	48.45	6.49	54.94	74	-19.06	Peak
4840	26.07	6.49	32.56	54	-21.44	AVG

No significant emission except harmonics was detected within 10 dB to limit of section 15.209.

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

Below 1GHz:

Model:	A0-RC01	Result:	PASS
Temperature：	23℃	Relative Humidity：	51 %
Pressure：	1001 hPa	Test voltage：	DC 3V
Test Mode ：	Transmitting mode.	Antenna polarity:	Horizontal – X axis

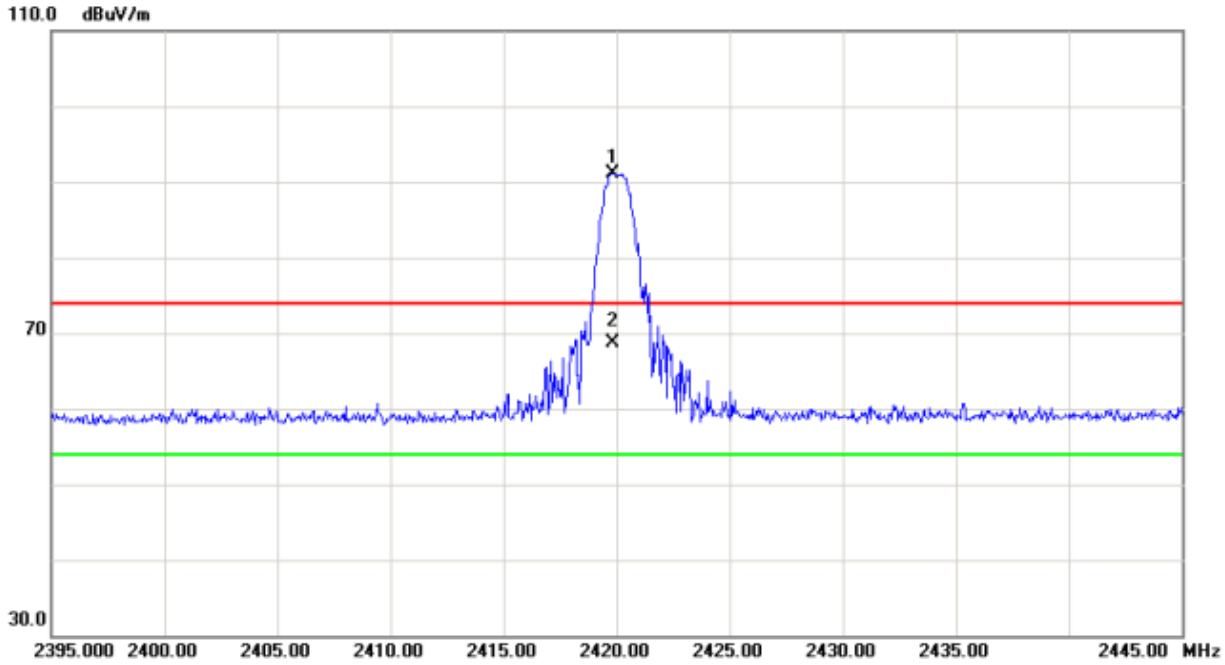


No significant emission was detected within 10 dB to limit

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

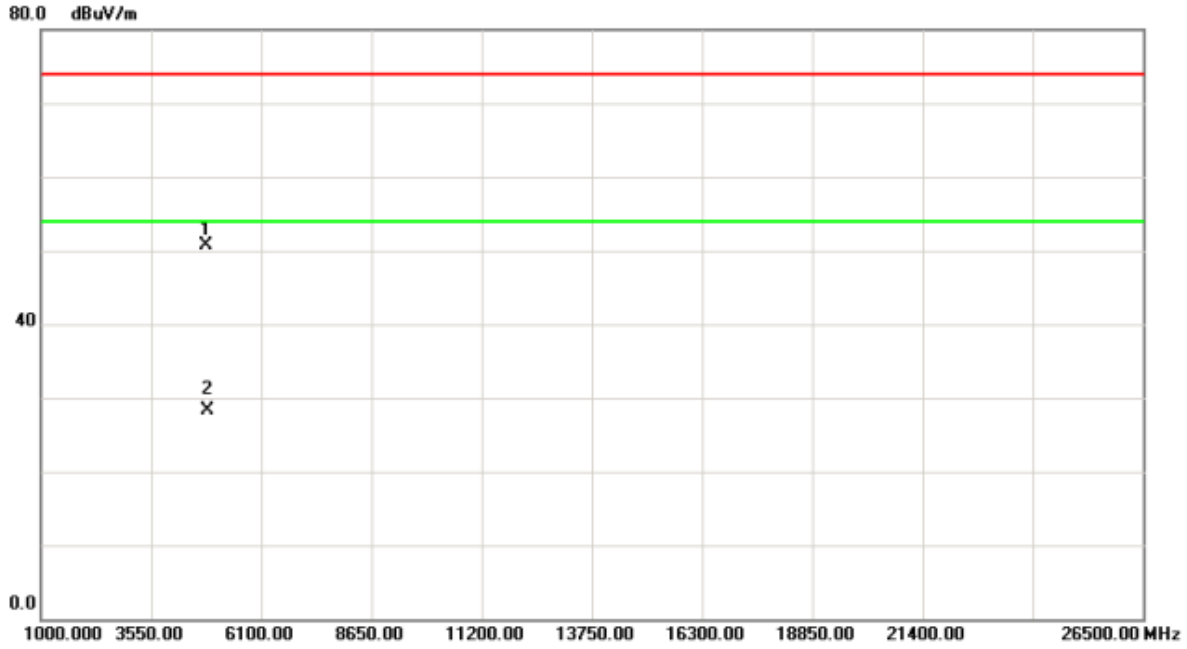
Above 1GHz:

Model:	A0-RC01	Result:	PASS
Temperature：	25℃	Relative Humidity：	58 %
Pressure：	1009 hPa	Test voltage：	DC 3V
Test Mode ：	Transmitting mode.	Antenna polarity:	Horizontal – X axis



Frequency	Reading level	Correct factor	Measure ment	Limit	Over	Detector
MHz	dBuV	dB	dBuV/m	dBuV/	dB	
2420	56.85	34.18	91.03	114	-22.97	Peak
2420	34.47	34.18	68.65	94	-25.35	AVG

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478



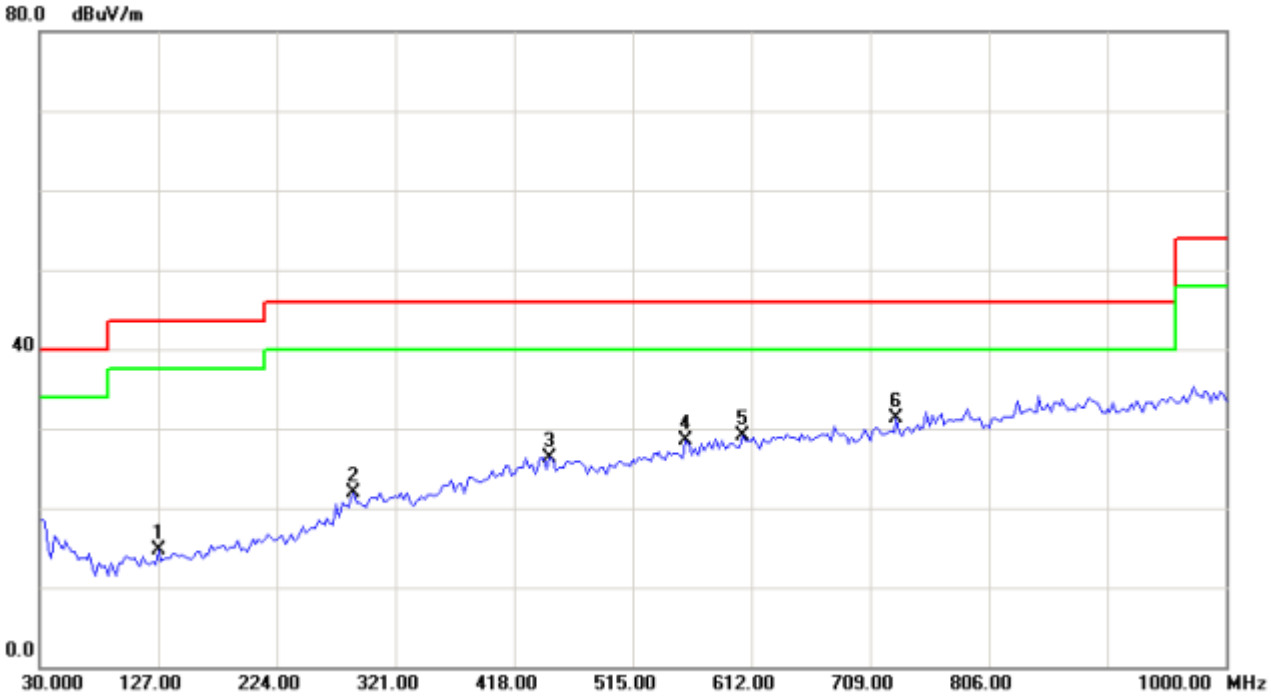
Frequency	Reading level	Correct factor	Measure ment	Limit	Over	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4840	44.25	6.49	50.74	74	-23.26	Peak
4840	21.87	6.49	28.36	54	-25.64	AVG

No significant emission except harmonics was detected within 10 dB to limit of section 15.209.

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

Below 1GHz:

Model:	A0-RC01	Result:	PASS
Temperature：	23℃	Relative Humidity：	51 %
Pressure：	1001 hPa	Test voltage：	DC 3V
Test Mode ：	Transmitting mode.	Antenna polarity:	Horizontal – Y axis

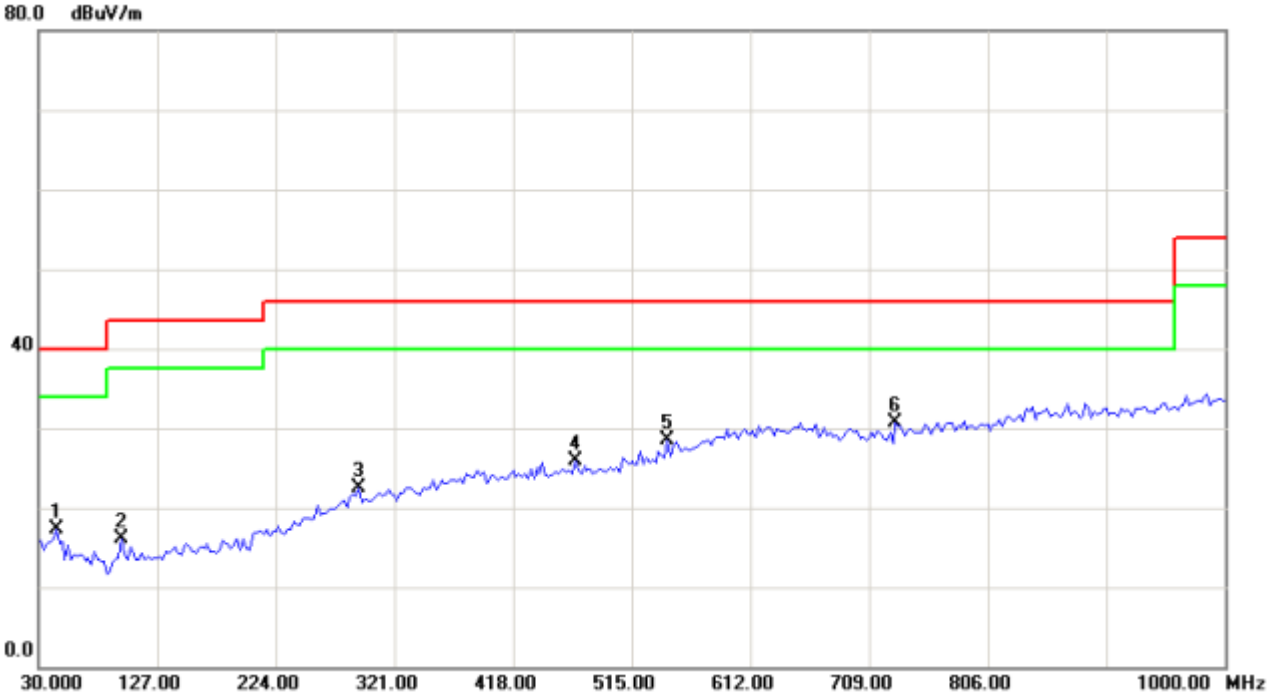


No significant emission was detected within 10 dB to limit

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

Below 1GHz:

Model:	A0-RC01	Result:	PASS
Temperature：	23℃	Relative Humidity：	51 %
Pressure：	1001 hPa	Test voltage：	DC 3V
Test Mode ：	Transmitting mode.	Antenna polarity:	Vertical – Y axis

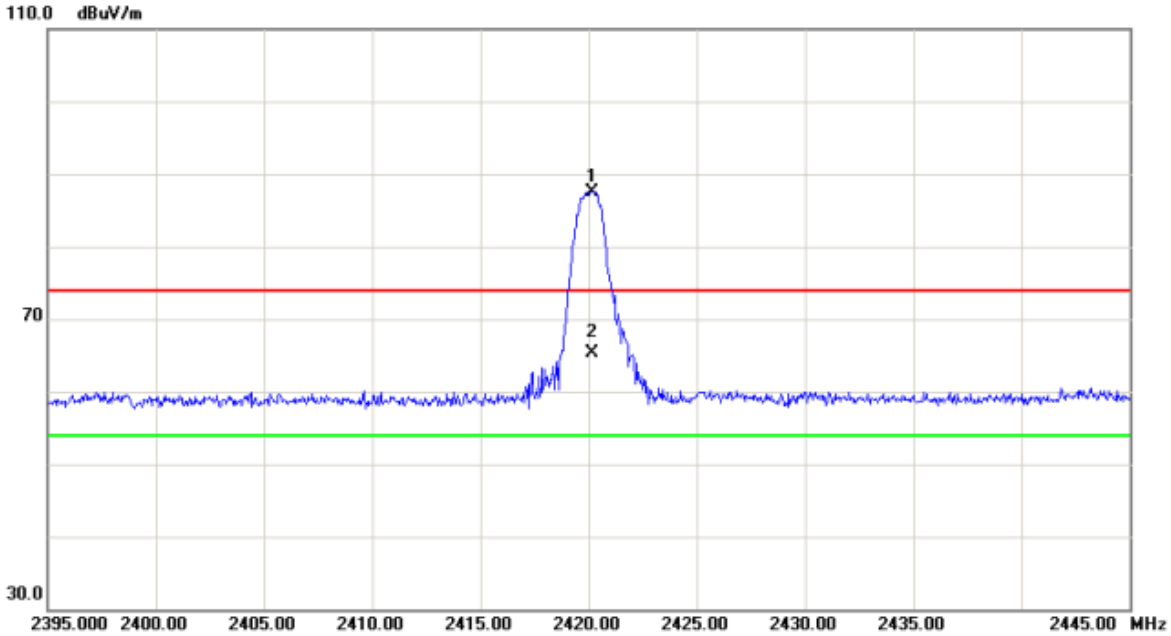


No significant emission was detected within 10 dB to limit

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

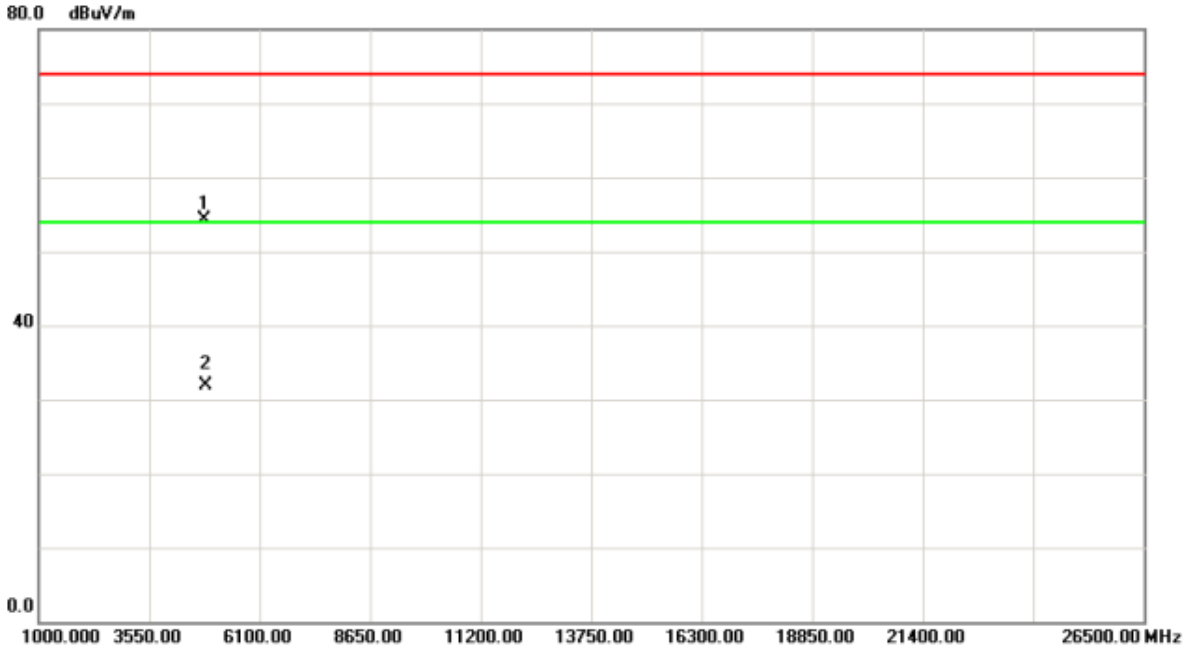
Above 1GHz:

Model:	A0-RC01	Result:	PASS
Temperature：	25℃	Relative Humidity：	58 %
Pressure：	1009 hPa	Test voltage：	DC 3V
Test Mode ：	Transmitting mode.	Antenna polarity:	Horizontal – Y axis



Frequency	Reading level	Correct factor	measurement	Limit	Over	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
2420	53.42	34.18	87.6	114	-26.4	Peak
2420	31.04	34.18	65.22	94	-28.78	AVG

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478



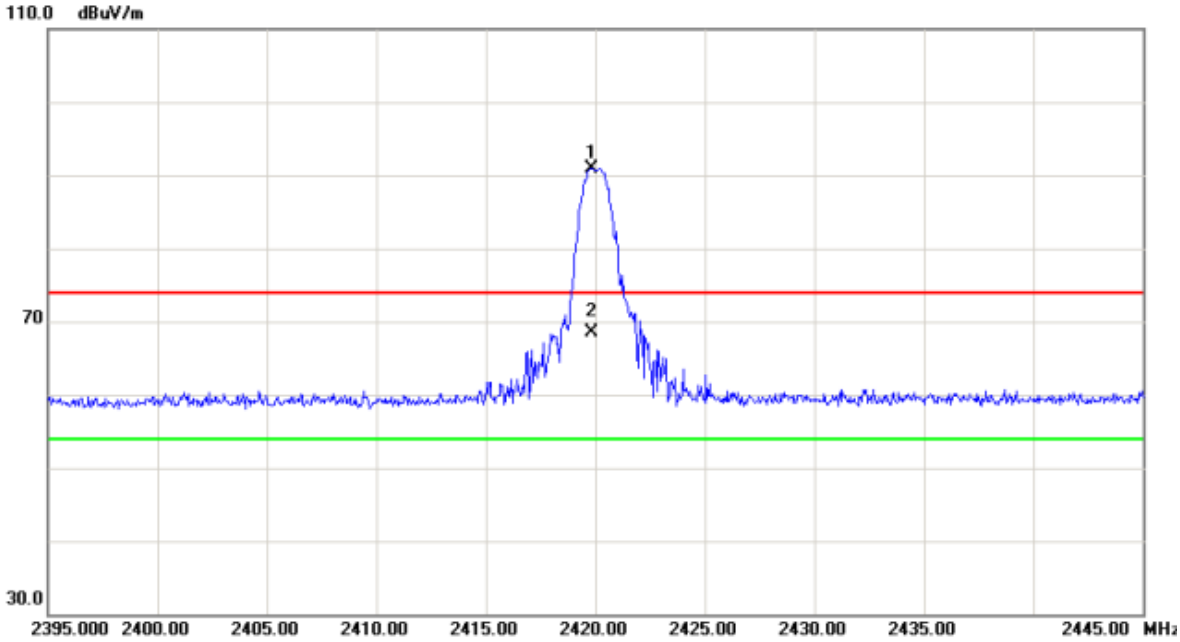
Frequency	Reading level	Correct factor	measurement	Limit	Over	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4840	47.76	6.49	54.25	74	-19.75	Peak
4840	25.38	6.49	31.87	54	-22.13	AVG

No significant emission except harmonics was detected within 10 dB to limit of section 15.209.

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

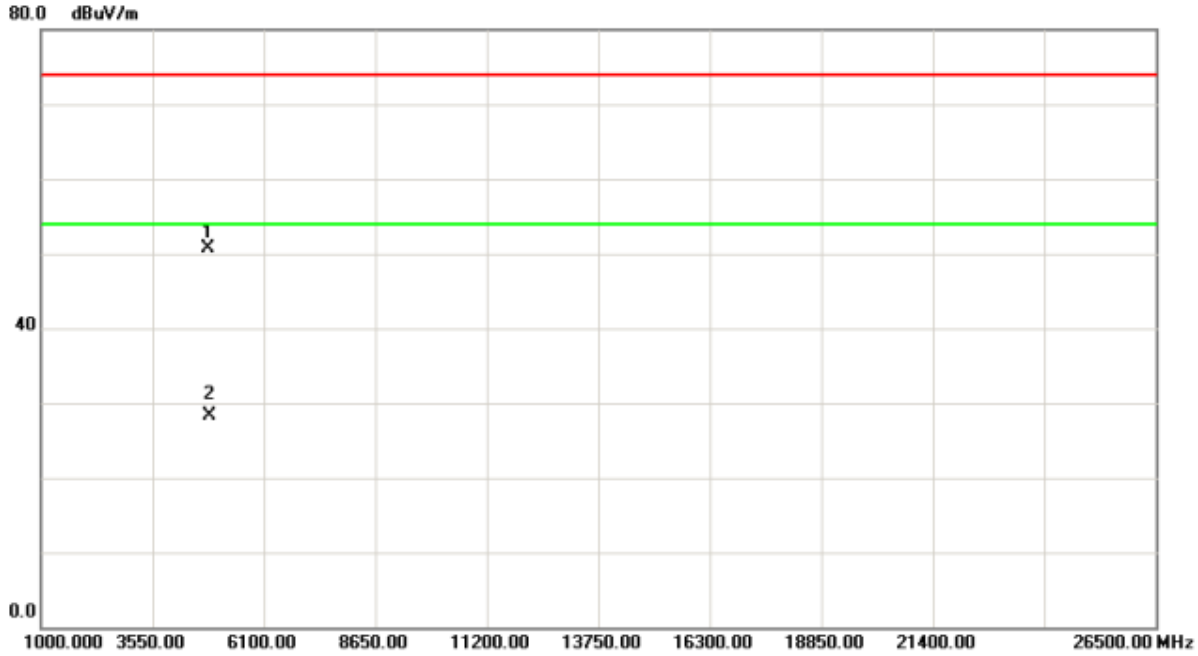
Above 1GHz:

Model:	A0-RC01	Result:	PASS
Temperature：	25℃	Relative Humidity：	58 %
Pressure：	1009 hPa	Test voltage：	DC 3V
Test Mode ：	Transmitting mode.	Antenna polarity:	Vertical – Y axis



Frequency	Reading level	Correct factor	Measurement	Limit	Over	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
2420	56.67	34.18	90.85	114	-23.15	Peak
2420	34.29	34.18	68.47	94	-25.53	AVG

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478



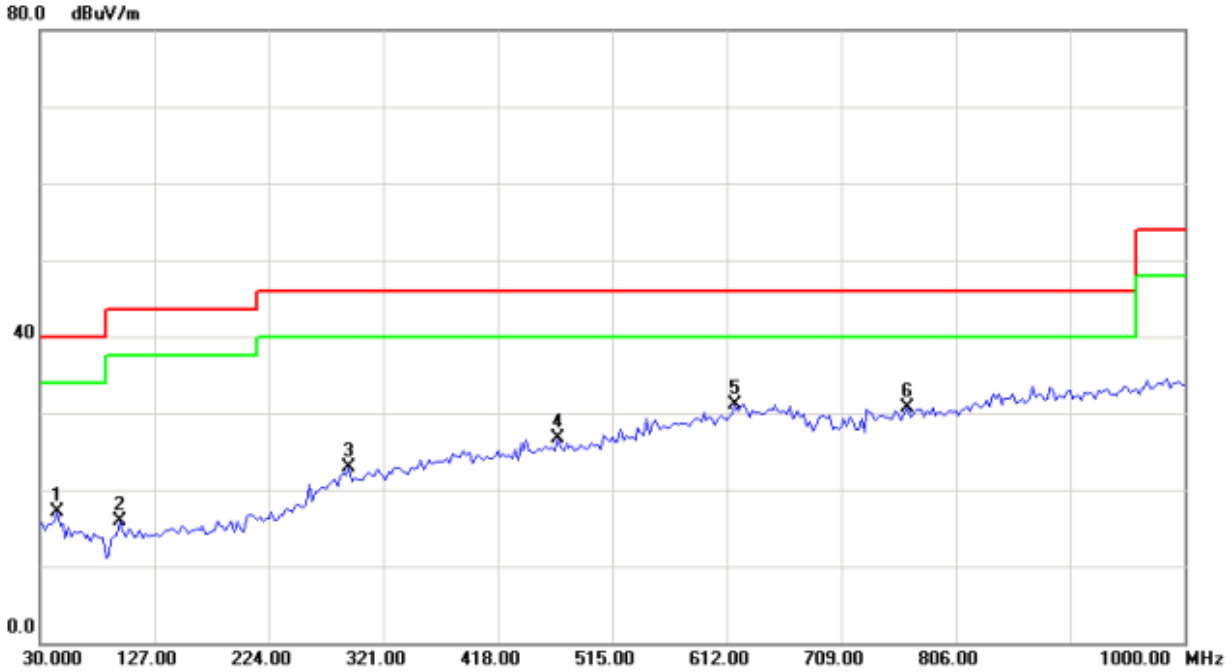
Frequency	Reading level	Correct factor	Measurement	Limit	Over	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4840	44.15	6.49	50.64	74	-23.36	Peak
4840	21.77	6.49	28.26	54	-25.74	AVG

No significant emission except harmonics was detected within 10 dB to limit of section 15.209.

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

Below 1GHz:

Model:	A0-RC01	Result:	PASS
Temperature：	23℃	Relative Humidity：	51 %
Pressure：	1001 hPa	Test voltage：	DC 3V
Test Mode ：	Transmitting mode.	Antenna polarity:	Vertical – Z axis

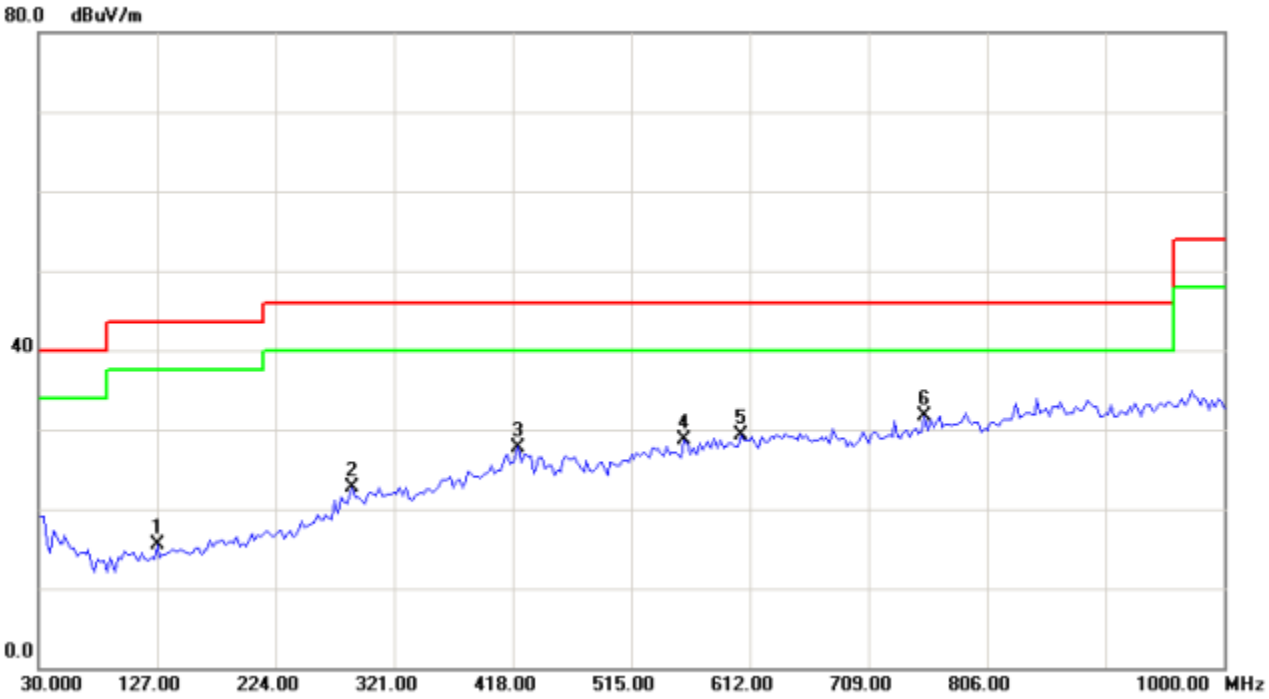


No significant emission was detected within 10 dB to limit

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

Below 1GHz:

Model:	A0-RC01	Result:	PASS
Temperature：	23℃	Relative Humidity：	51 %
Pressure：	1001 hPa	Test voltage：	DC 3V
Test Mode ：	Transmitting mode.	Antenna polarity:	Horizontal – Z axis

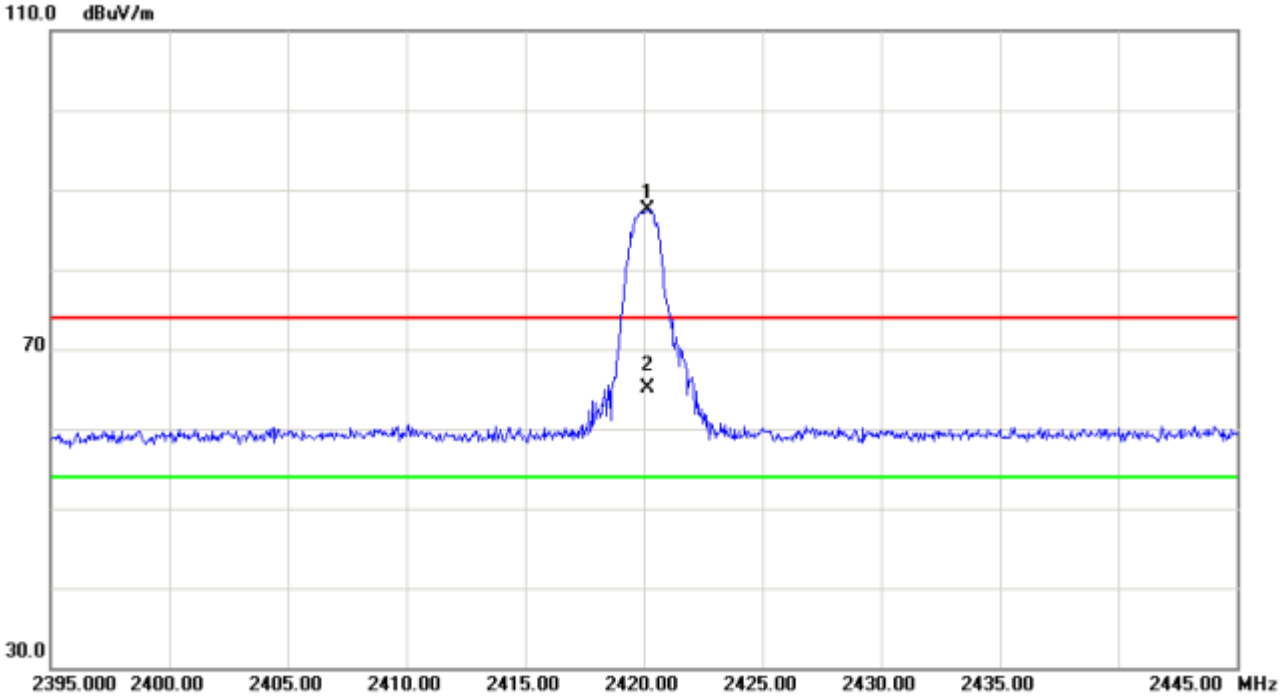


No significant emission was detected within 10 dB to limit

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

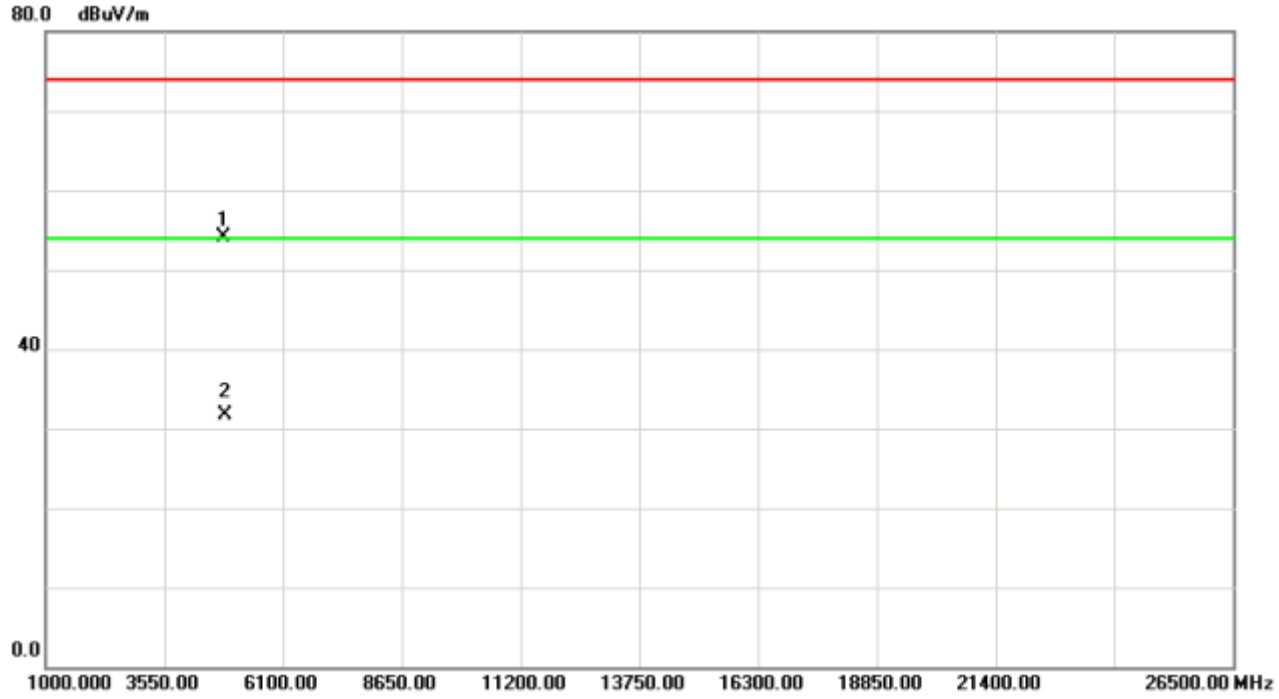
Above 1GHz:

Model:	A0-RC01	Result:	PASS
Temperature：	25℃	Relative Humidity：	58 %
Pressure：	1009 hPa	Test voltage：	DC 3V
Test Mode ：	Transmitting mode.	Antenna polarity:	Horizontal – Z axis



Frequency	Reading level	Correct factor	Measurement	Limit	Over	Detect r
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
2420	53.24	34.18	87.42	114	-26.58	Peak
2420	30.86	34.18	65.04	94	-28.96	AVG

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478



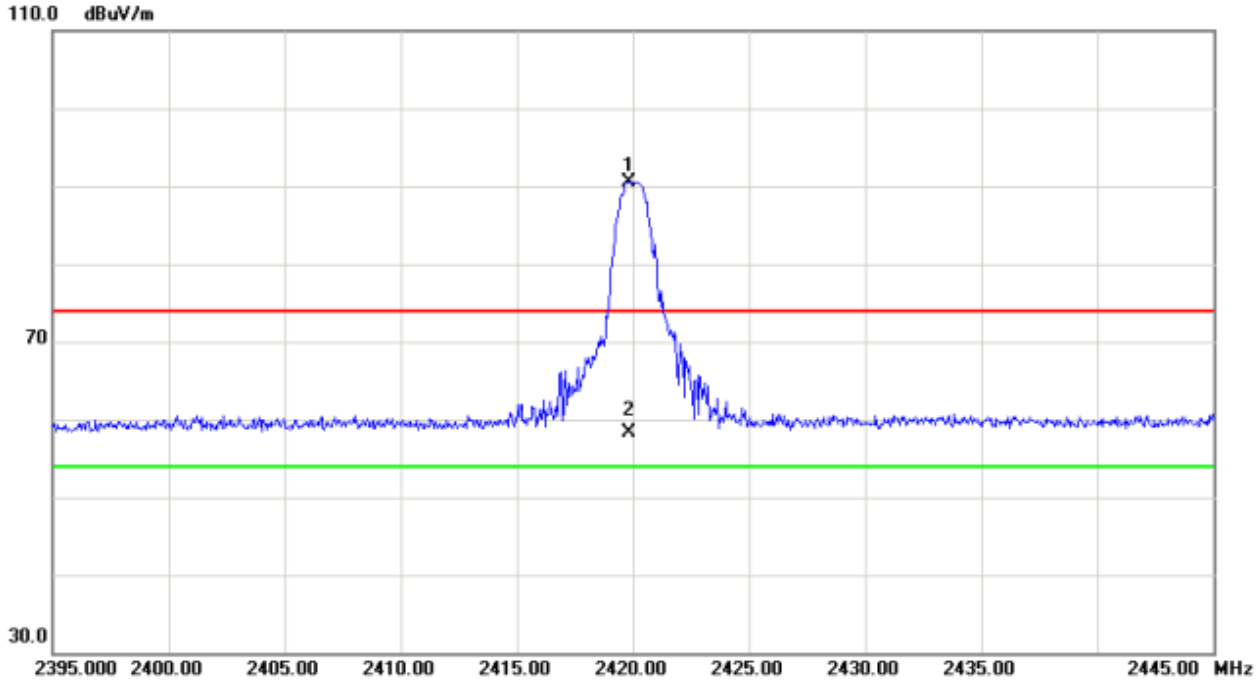
Frequency	Reading level	Correct factor	measurement	Limit	Over	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4840	47.65	6.49	54.14	74	-19.86	Peak
4840	25.27	6.49	31.76	54	-22.24	AVG

No significant emission except harmonics was detected within 10 dB to limit of section 15.209.

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

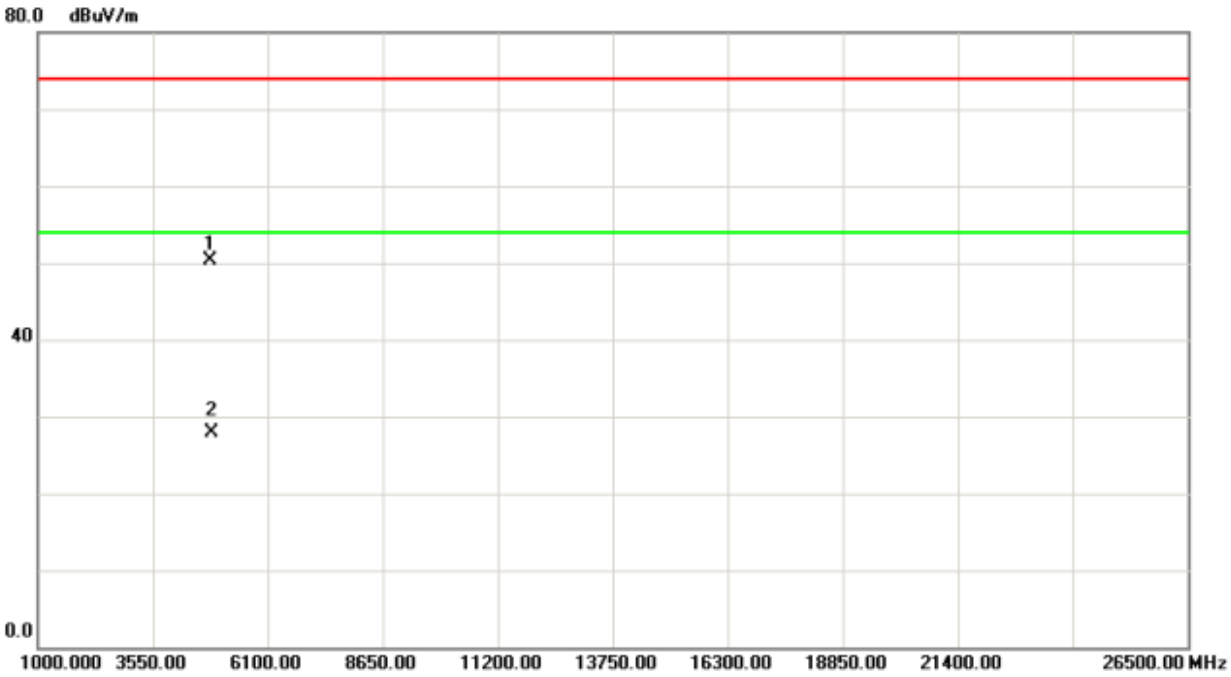
Above 1GHz:

Model:	A0-RC01	Result:	PASS
Temperature：	25℃	Relative Humidity：	58 %
Pressure：	1009 hPa	Test voltage：	DC 3V
Test Mode ：	Transmitting mode	Antenna polarity:	Vertical – Z axis



Frequency	Reading level	Correct factor	Measurement	Limit	Over	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
2420	56.42	34.18	90.60	114	-23.4	Peak
2420	24.04	34.18	58.22	94	-35.78	AVG

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478



Frequency	Reading level	Correct factor	Measurement	Limit	Over	Detector
MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
4840	43.87	6.49	50.36	74	-23.64	Peak
4840	21.49	6.49	27.98	54	-26.02	AVG

No significant emission except harmonics was detected within 10 dB to limit of section 15.209.

Remark：

(1) All readings are Peak unless otherwise stated QP in column of『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform。

(2) Measuring frequency range from 30MHz to 1000MHz or the 10th harmonic of highest fundamental frequency。"F" denotes fundamental frequency; "H" denotes spurious frequency. "E" denotes band edge frequency. (This judgment method includes the Band Edge Requirement.)

From 30MHz to 1GHz, read the field strength of the emissions with RBW=120KHz.

(3) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission 。

Read the Peak field strength through RBW=1MHz, VBW=3MHz in spectrum analyzer setting.

Read the Average field strength through RBW=1MHz, VBW=10Hz in spectrum analyzer setting.

(4) Data of measurement within this frequency range shown " * " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

(5) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

(6) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

6.3 OCCUPIED BANDWIDTH

6.3.1 APPLIED PROCEDURES / LIMIT

15.215(c) Intentional radiators operating under the alternative provisions to the general emission limits,as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that, the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

6.3.2 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov.26.2013

Remark: ” N/A” denotes No Model Name. , Serial No. or No Calibration specified.

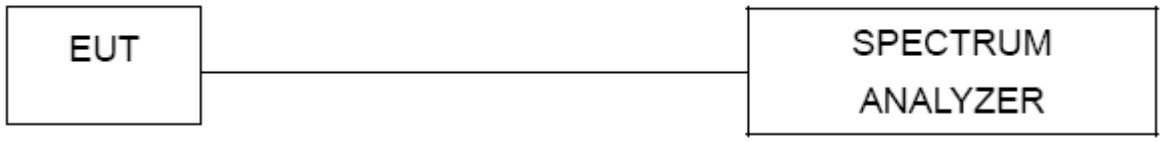
6.3.3 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. Spectrum Setting : RBW= 30KHz, VBW=100KHz, Sweep time = 10 ms.

6.3.4 DEVIATION FROM STANDARD

No deviation.

6.3.5 TEST SETUP



6.3.6 EUT OPERATION CONDITIONS

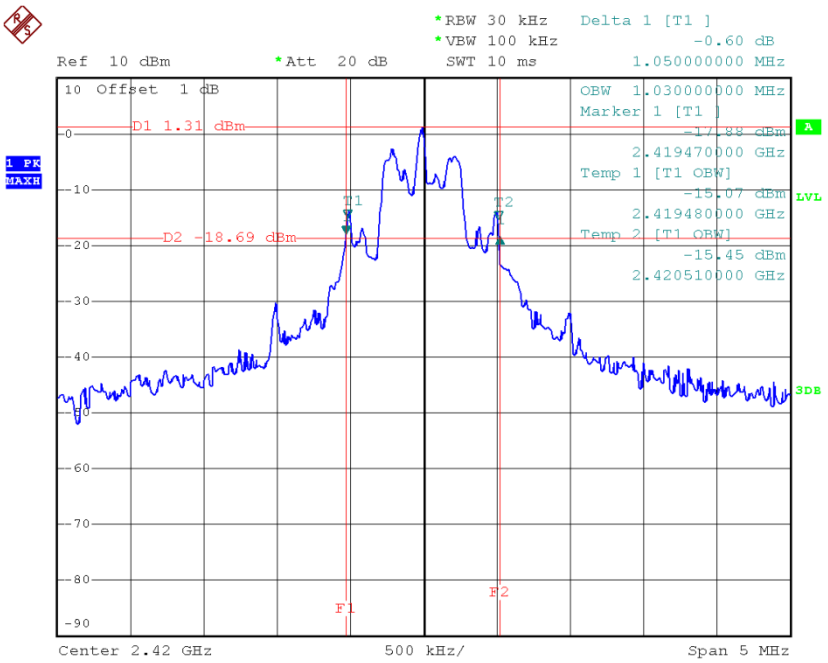
The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

6.3.7 TEST RESULTS

Model:	A0-RC01	Result:	PASS
Temperature：	20℃	Relative Humidity：	55 %
Pressure：	1001 hPa	Test voltage：	DC 3V
Test Mode ：	Continuously transmitting mode.		

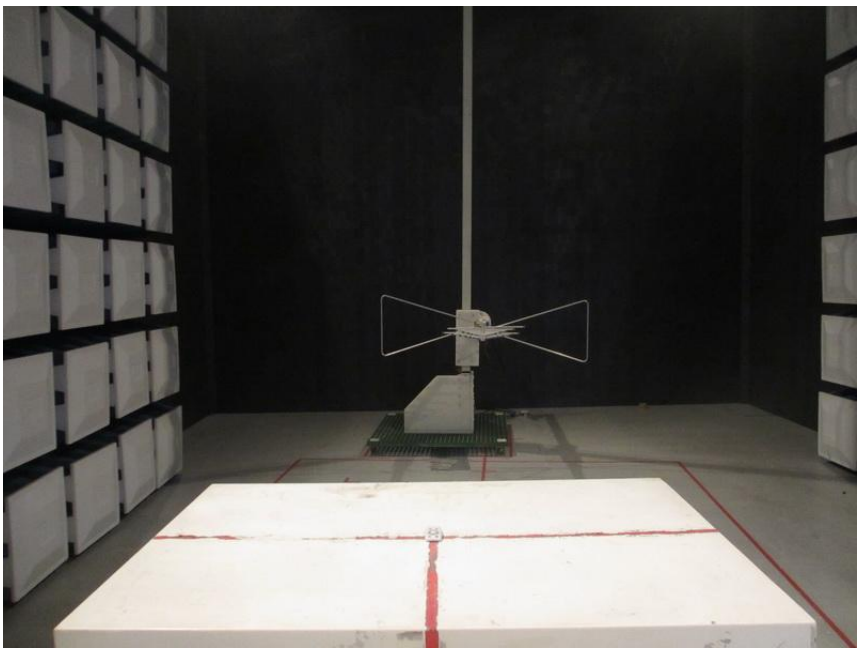
Frequency	20dB Bandwidth
2402MHz	1.03MHz

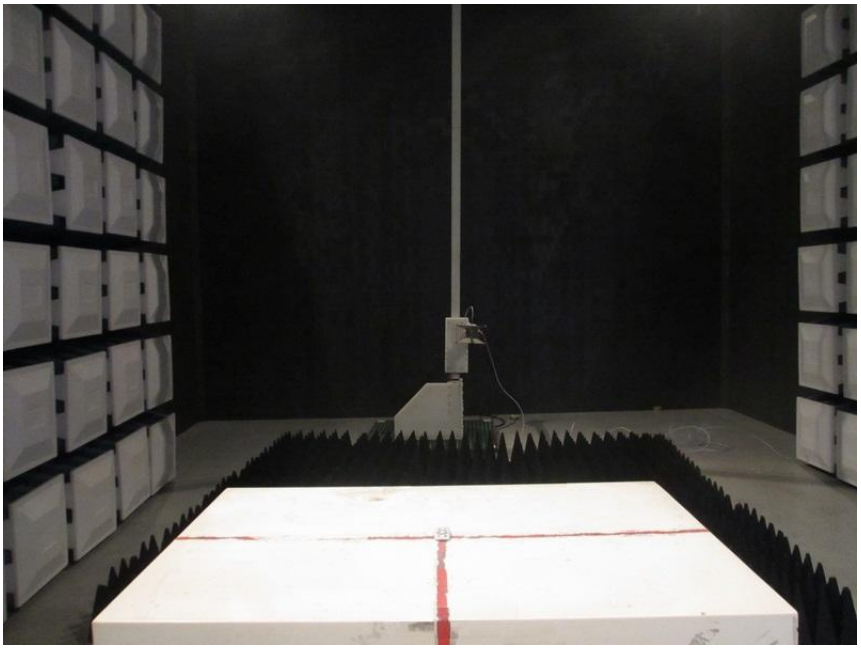


Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

7. Appendix A - TEST SETUP PHOTOS

Radiated Emissions Test

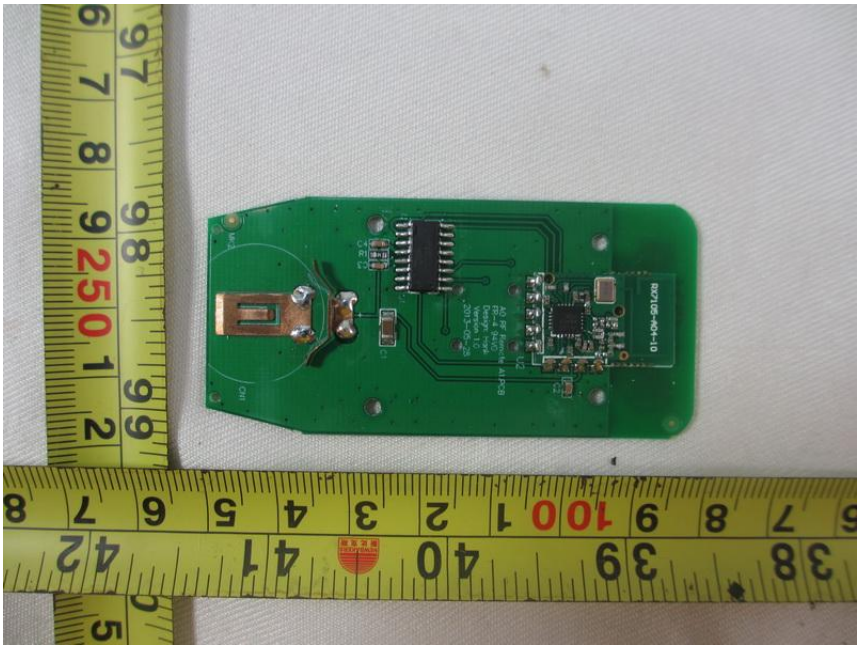




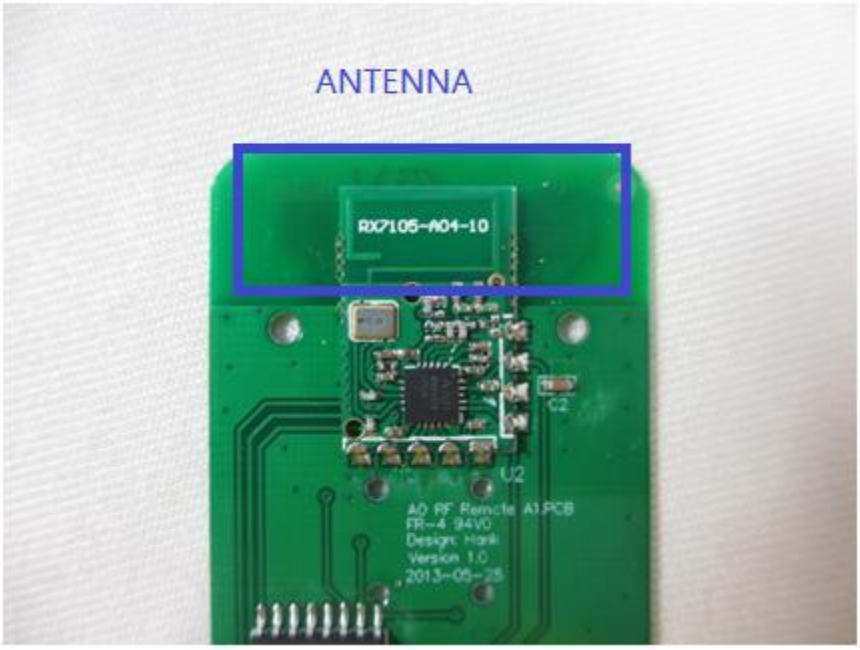
Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478

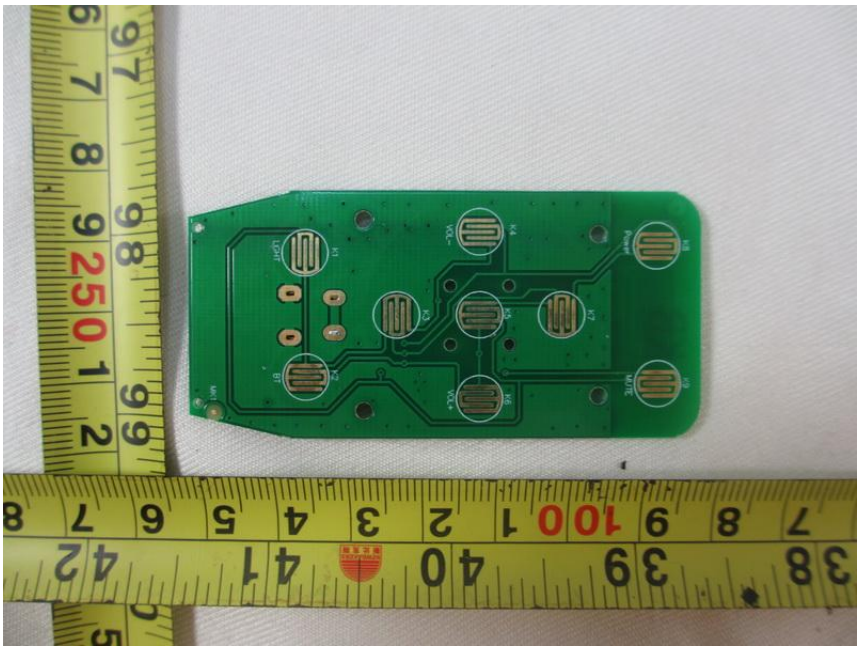
8. Appendix B - EUT PHOTOS

Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478



Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478





Jiangsu TÜV Product Service Ltd. Guangzhou Branch
5F, Communication Building, 163 Pingyun Rd, Huangpu West Ave. Guangzhou 510656 P. R. China TEL: +86 20 3832 0668 FAX: +86 20 3832 0478