



FCC TEST REPORT FOR

Shenzhen Ruiming Xin Technology Co., LTD

tablet PC

Test Model: A16

Additional Model No.: Please Refer to Page 6

Prepared for : Shenzhen Ruiming Xin Technology Co., LTD
Zone A 6/F 4 Hengchangrong High Tech Industrial Park, Hongtian
Address : Shangnan East Road, Huangpu Community, Xinqiao Street
Bao'an District, Shenzhen

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.
101, 201 Bldg A & 301 Bldg C, Juji Industrial Park
Address : Yabianxueziwei, Shajing Street, Baoan District, Shenzhen,
518000, China
Tel : (+86)755-82591330
Fax : (+86)755-82591332
Web : www.LCS-cert.com
Mail : webmaster@LCS-cert.com

Date of receipt of test sample : October 09, 2023
Number of tested samples : 2
Sample No. : A10083085-1, A10083085-2
Serial number : Prototype
Date of Test : October 09, 2023 ~ October 17, 2023
Date of Report : October 18, 2023



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: + (86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



FCC TEST REPORT	
FCC CFR 47 PART 15 C (15.247)	
Report Reference No.	LCSA10083085EA
Date of Issue	October 18, 2023
Testing Laboratory Name	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Testing Location/ Procedure	Full application of Harmonised standards ■ Partial application of Harmonised standards □ Other standard testing method □
Applicant's Name	Shenzhen Ruiming Xin Technology Co., LTD
Address	Zone A 6/F 4 Hengchangrong High Tech Industrial Park, Hongtian Shangnan East Road, Huangpu Community, Xinqiao Street Bao'an District, Shenzhen
Test Specification	
Standard	FCC CFR 47 PART 15 C (15.247)
Test Report Form No.	LCSEMC-1.0
TRF Originator	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF	Dated 2011-03
Shenzhen LCS Compliance Testing Laboratory Ltd. All rights reserved.	
This publication may be reproduced in whole or in part for non-commercial purposes as long as the Shenzhen LCS Compliance Testing Laboratory Ltd. is acknowledged as copyright owner and source of the material. Shenzhen LCS Compliance Testing Laboratory 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.	
tablet PC	
Trade Mark	aigo
Test Model	A16
Ratings	Input: 5.0V $\rightarrow$ 2.0A For AC Adapter Input: 100-240V~, 50/60Hz, 0.5A Adapter Output: 5.0V $\rightarrow$ 2.0A 10.0W DC 3.8V by Rechargeable Li-ion Battery, 6000mAh
Result	Positive

Compiled by:

Vera Deng/ Administrator

Supervised by:

Cary Luo/ Technique principal

Approved by:

Gavin Liang / Manager



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

**FCC -- TEST REPORT**

Test Report No. : LCSA10083085EA	<u>October 18, 2023</u> Date of issue
---	--

Test Model.....	: A16
EUT.....	: tablet PC
Applicant.....	: Shenzhen Ruiming Xin Technology Co., LTD
Address.....	: Zone A 6/F 4 Hengchangrong High Tech Industrial Park, Hongtian Shangnan East Road, Huangpu Community, Xinqiao Street Bao'an District, Shenzhen
Telephone.....	: /
Fax.....	: /
Manufacturer.....	: Shenzhen Ruiming Xin Technology Co., LTD
Address.....	: Zone A 6/F 4 Hengchangrong High Tech Industrial Park, Hongtian Shangnan East Road, Huangpu Community, Xinqiao Street Bao'an District, Shenzhen
Telephone.....	: /
Fax.....	: /
Factory.....	: Shenzhen Ruiming Xin Technology Co., LTD
Address.....	: Zone A 6/F 4 Hengchangrong High Tech Industrial Park, Hongtian Shangnan East Road, Huangpu Community, Xinqiao Street Bao'an District, Shenzhen
Telephone.....	: /
Fax.....	: /

Test Result	Positive
--------------------	-----------------

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.



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



Revision History

Report Version	Issue Date	Revision Content	Revised By
000	October 18, 2023	Initial Issue	---



Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



TABLE OF CONTENTS

Description	Page
1. GENERAL INFORMATION	6
1.1 Description of Device (EUT)	6
1.2 Support equipment List	8
1.3 External I/O Cable	8
1.4 Description of Test Facility	8
1.5 Statement of the Measurement Uncertainty	8
1.6 Measurement Uncertainty	9
1.7 Description of Test Modes	9
2. TEST METHODOLOGY	10
2.1 EUT Configuration	10
2.2 EUT Exercise	10
2.3 General Test Procedures	10
2.4. Test Sample	10
3. SYSTEM TEST CONFIGURATION	11
3.1 Justification	11
3.2 EUT Exercise Software	11
3.3 Special Accessories	11
3.4 Block Diagram/Schematics	11
3.5 Equipment Modifications	11
3.6 Test Setup	11
4. SUMMARY OF TEST RESULTS	12
5. SUMMARY OF TEST EQUIPMENT	13
6. RESTRICTED BAND EMISSION LIMIT	14
6.1.1. Standard Applicable	14
6.2. AC Power Line Conducted Emissions	25
6.3. Antenna Requirement	28
7. TEST SETUP PHOTOGRAPHS OF EUT	29
8. EXTERIOR PHOTOGRAPHS OF THE EUT	29
9. INTERIOR PHOTOGRAPHS OF THE EUT	29



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



1. GENERAL INFORMATION

1.1 Description of Device (EUT)

EUT : tablet PC

Test Model : A16

Additional Model No. : A16xxxxxxxx

(Where x can be "0-9", "A-Z", "a-z", "-" or blank, which precedes when x is blank - for blank, It is used to distinguish the model, other are the same, the difference does not affect Safety and EMC performance)

Model Declaration : PCB board, structure and internal of these model(s) are the same, So no additional models were tested

Power Supply : Input: 5.0V $\rightarrow$ 2.0A
For AC Adapter Input: 100-240V~, 50/60Hz, 0.5A
Adapter Output: 5.0V $\rightarrow$ 2.0A 10.0W
DC 3.8V by Rechargeable Li-ion Battery, 6000mAh

Hardware Version : RC-PF196

Software Version : Alps-mp-s0.mp1-v14.203

Bluetooth :

Frequency Range : 2402MHz~2480MHz

Channel Number : 79 channels for Bluetooth V5.0 (DSS)
40 channels for Bluetooth V5.0 (DTS)

Channel Spacing : 1MHz for Bluetooth V5.0 (DSS)
2MHz for Bluetooth V5.0 (DTS)

Modulation Type : GFSK, $\pi/4$ -DQPSK, 8-DPSK for Bluetooth V5.0(DSS)
GFSK for Bluetooth V5.0 (DTS)

Bluetooth Version : V5.0

Antenna Description : PIFA Antenna, 0.25dBi(Max.)

WIFI(2.4G Band) :

Frequency Range : 2412MHz~2462MHz

Channel Spacing : 5MHz

Channel Number : 11 Channels for 20MHz bandwidth (2412~2462MHz)
7 Channels for 40MHz bandwidth (2422~2452MHz)

Modulation Type : IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK)
IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK)
IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)

Antenna Description : PIFA Antenna, 0.25dBi(Max.)

5.2G WLAN :

Frequency Range : 5180MHz~5240MHz

Channel Number : 4 channels for 20MHz bandwidth(5180MHz~5240MHz)
2 channels for 40MHz bandwidth(5190MHz~5230MHz)
1 channels for 80MHz bandwidth(5210MHz)

Modulation Type : IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK)
IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)
IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)

Antenna Description : PIFA Antenna, 1.97dBi(Max.)



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



5.8G WLAN

:

Frequency Range

: 5745MHz~5825MHz

Channel Number

: 5 channels for 20MHz bandwidth(5745MHz~5825MHz)
2 channels for 40MHz bandwidth(5755MHz~5795MHz)
1 channels for 80MHz bandwidth(5775MHz)

Modulation Type

: IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK)
IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)
IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)

Antenna Description

: PIFA Antenna, 1.97dBi(Max.)



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



1.2 Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
Zhongshan Master Lighe Source Electronic Co., Ltd.	AC/DC ADAPTER	M050200-S 86USU	---	FCC

1.3 External I/O Cable

I/O Port Description	Quantity	Cable
Type-C USB Port	1	N/A
Headset Port	1	N/A

1.4 Description of Test Facility

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

Test Firm Registration Number: 254912.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.10:2013 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

1.5 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 CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the LCS 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.



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



1.6 Measurement Uncertainty

Test Item	Frequency Range	Uncertainty	Note
Radiation Uncertainty	9KHz~30MHz	±3.10dB	(1)
	30MHz~200MHz	±2.96dB	(1)
	200MHz~1000MHz	±3.10dB	(1)
	1GHz~26.5GHz	±3.80dB	(1)
	26.5GHz~40GHz	±3.90dB	(1)
Conduction Uncertainty	150kHz~30MHz	±1.63dB	(1)
Power disturbance	30MHz~300MHz	±1.60dB	(1)
Output power	1GHz~40GHz	±0.57dB	(1)
Occupied Channel Bandwidth	1GHz~40GHz	±5%	(1)
Conducted RF Spurious Emission	9kHz~40GHz	±1.80dB	(1)
Emissions in Restricted Bands	1GHz~40GHz	±2.47dB	(1)

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

1.7 Description of Test Modes

Bluetooth operates in the unlicensed ISM Band at 2.4GHz. With basic data rate feature, the data rates can be up to 1 Mb/s by modulating the RF carrier using GFSK techniques. The EUT works in the X-axis, Y-axis, Z-axis. The following operating modes were applied for the related test items. All test modes were tested, only the result of the worst case was recorded in the report.

Mode of Operations	Frequency Range (MHz)	Data Rate (Mbps)
BT 5.0	2402	1/2/3
	2441	1/2/3
	2480	1/2/3
For Conducted Emission		
Test Mode	TX Mode/Hopping Mode	
For Radiated Emission		
Test Mode	TX Mode/Hopping Mode	

Worst-case mode and channel used for 150 KHz-30 MHz power line conducted emissions was determined to be TX (3Mbps-High Channel).

Worst-case mode and channel used for 9 KHz-1000 MHz radiated emissions was determined to be TX (3Mbps-High Channel).

Pre-test AC conducted emission at charge from 3Mbps-High Channel mode, recorded worst case.

Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/60Hz, recorded worst case.

AC conducted emission pre-test at power adapter modes, recorded worst case;



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10-2013, FCC CFR PART 15C 15.207, 15.209 and 15.247.

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The EUT was operated in the normal operating mode for Hopping Numbers and Dwell Time test and a continuous transmits mode for other tests.

According to its specifications, the EUT must comply with the requirements of the Section 15.207, 15.209, 15.247 under the FCC Rules Part 15 Subpart C.

2.3 General Test Procedures

2.3.1 Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 6.1.1 of ANSI C63.10-2013 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using Quasi-peak and average detector modes.

2.3.2 Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane below 1GHz and 1.5 m above ground plane above 1GHz. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 6.4 of ANSI C63.10-2013

2.4. Test Sample

The application provides 2 samples to meet requirement;

Sample Number	Description
Sample 1(A10083085-1)	Engineer sample – continuous transmit
Sample 2(A10083085-2)	Normal sample – Intermittent transmit





3. SYSTEM TEST CONFIGURATION

3.1 Justification

The system was configured for testing in a continuous transmits condition.

3.2 EUT Exercise Software

The system was configured for testing in a continuous transmits condition and change test channels by developer mode provided by application.

3.3 Special Accessories

Manufacturer	Description	Model	Serial Number	Certificate
--	--	--	--	--

3.4 Block Diagram/Schematics

Please refer to the related document.

3.5 Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

3.6 Test Setup

Please refer to the test setup photo.



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



4. SUMMARY OF TEST RESULTS

Applied Standard: FCC Part 15 Subpart C				
FCC Rules	Description of Test	Test Sample	Result	Remark
§15.209(a)	Radiated Spurious Emissions	Sample 1 Sample 2	Compliant	Note 1
§15.207(a)	AC Mains Conducted Emissions	Sample 2	Compliant	Note 1
§15.203	Antenna Requirements	Sample 1	Compliant	Note 1
§15.247(i)§1.1310 §15.247(i)§2.1093	RF Exposure	N/A	Compliant	Note 2

Remark:

1. Note 1 – Test results inside test report;
2. Note 2 – Test results in other test report (SAR Report);



Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



5. SUMMARY OF TEST EQUIPMENT

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Power Meter	R&S	NRVS	100444	2023-06-09	2024-06-08
2	Power Sensor	R&S	NRV-Z81	100458	2023-06-09	2024-06-08
3	Power Sensor	R&S	NRV-Z32	10057	2023-06-09	2024-06-08
4	Test Software	Tonscend	JS1120-2	/	N/A	N/A
5	RF Control Unit	Tonscend	JS0806-2	N/A	2022-10-29	2023-10-28
6	MXA Signal Analyzer	Agilent	N9020A	MY50510140	2022-10-29	2023-10-28
7	DC Power Supply	Agilent	E3642A	N/A	2022-10-29	2023-10-28
8	EMI Test Software	AUDIX	E3	/	N/A	N/A
9	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2023-06-09	2024-06-08
10	Positioning Controller	Max-Full	MF7802BS	MF780208586	N/A	N/A
11	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2021-08-29	2024-08-28
12	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2021-09-12	2024-09-11
13	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2021-09-05	2024-09-04
14	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2021-08-29	2024-08-28
15	Broadband Preamplifier	SCHWARZBECK	BBV9719	9719-025	2023-06-09	2024-06-08
16	EMI Test Receiver	R&S	ESR 7	101181	2023-06-09	2024-06-08
17	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2022-10-29	2023-10-28
18	Broadband Preamplifier	/	BP-01M18G	P190501	2023-06-09	2024-06-08
19	6dB Attenuator	/	100W/6dB	1172040	2023-06-09	2024-06-08
20	3dB Attenuator	/	2N-3dB	/	2022-10-29	2023-10-28
21	EMI Test Receiver	R&S	ESPI	101940	2023-08-15	2024-08-14
22	Artificial Mains	R&S	ENV216	101288	2023-06-09	2024-06-08
23	10dB Attenuator	SCHWARZBECK	MTS-IMP-136	261115-001-003 2	2023-06-09	2024-06-08
24	EMI Test Software	Farad	EZ	/	N/A	N/A



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



6. RESTRICTED BAND EMISSION LIMIT

6.1.1. Standard Applicable

15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
1\ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(2\)
13.36-13.41			

1\ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

2\ Above 38.6

According to §15.247 (d): 20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

6.1.2. Measuring Instruments and Setting

Please refer to of equipment list in this report. The following table is the setting of spectrum analyzer and receiver.



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10 th carrier harmonic
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/T kHz for Average
RB / VB (Emission in non-restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/T kHz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB/VB 200Hz/1KHz for QP/AVG
Start ~ Stop Frequency	150kHz~30MHz / RB/VB 9kHz/30KHz for QP/AVG
Start ~ Stop Frequency	30MHz~1000MHz / RB/VB 120kHz/1MHz for QP

6.1.3. Test Procedures

1) Sequence of testing 9 kHz to 30 MHz

Setup:

- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.
- If the EUT is a floor standing device, it is placed on the ground.
- Auxiliary equipment and cables were positioned to simulate normal operation conditions.
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- The measurement distance is 3 meter.
- The EUT was set into operation.

Premeasurement:

- The turntable rotates from 0° to 315° using 45° steps.
- The antenna height is 1.0 meter.
- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions

Final measurement:

- Identified emissions during the premeasurement the software maximizes by rotating the turntable position (0° to 360°) and by rotating the elevation axes (0° to 360°).
- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QPK detector.
- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



2) Sequence of testing 30 MHz to 1 GHz

Setup:

- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.
- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
- Auxiliary equipment and cables were positioned to simulate normal operation conditions
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- The measurement distance is 3 meter.
- The EUT was set into operation.

Premeasurement:

- The turntable rotates from 0° to 315° using 45° steps.
- The antenna is polarized vertical and horizontal.
- The antenna height changes from 1 to 4 meter.
- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.

Final measurement:

- The final measurement will be performed with minimum the six highest peaks.
- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position ($\pm 45^\circ$) and antenna movement between 1 and 4 meter.
- The final measurement will be done with QP detector with an EMI receiver.
- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



3) Sequence of testing 1 GHz to 18 GHz

Setup:

- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.
- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
- Auxiliary equipment and cables were positioned to simulate normal operation conditions
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- The measurement distance is 3 meter.
- The EUT was set into operation.

Premeasurement:

- The turntable rotates from 0° to 315° using 45° steps.
- The antenna is polarized vertical and horizontal.
- The antenna height scan range is 1 meter to 4 meter.
- At each turntable position and antenna polarization the analyzer sweeps with peak detection to find the maximum of all emissions.

Final measurement:

- The final measurement will be performed with minimum the six highest peaks.
- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position ($\pm 45^\circ$) and antenna movement between 1 and 4 meter. This procedure is repeated for both antenna polarizations.
- The final measurement will be done in the position (turntable, EUT-table and antenna polarization) causing the highest emissions with Peak and Average detector.
- The final levels, frequency, measuring time, bandwidth, turntable position, EUT-table position, antenna polarization, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.





4) Sequence of testing above 18 GHz

Setup:

- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.
- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
- Auxiliary equipment and cables were positioned to simulate normal operation conditions
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- The measurement distance is 1 meter.
- The EUT was set into operation.

Premeasurement:

- The antenna is moved spherical over the EUT in different polarizations of the antenna.

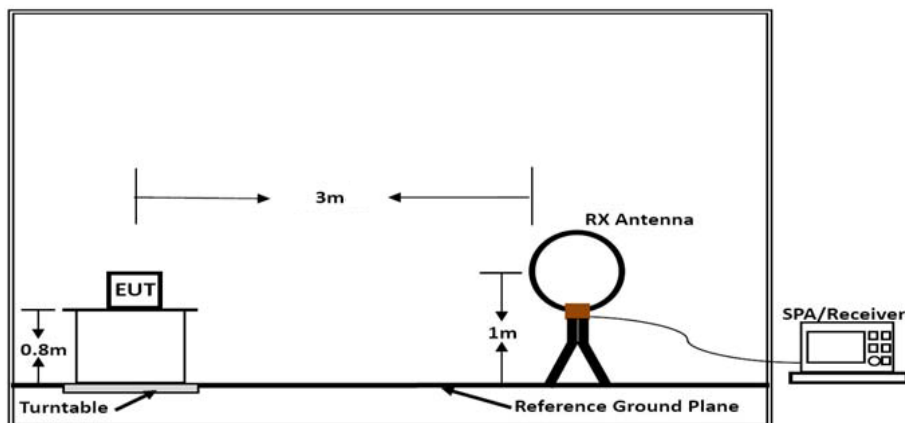
Final measurement:

- The final measurement will be performed at the position and antenna orientation for all detected emissions that were found during the premeasurements with Peak and Average detector.
- The final levels, frequency, measuring time, bandwidth, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

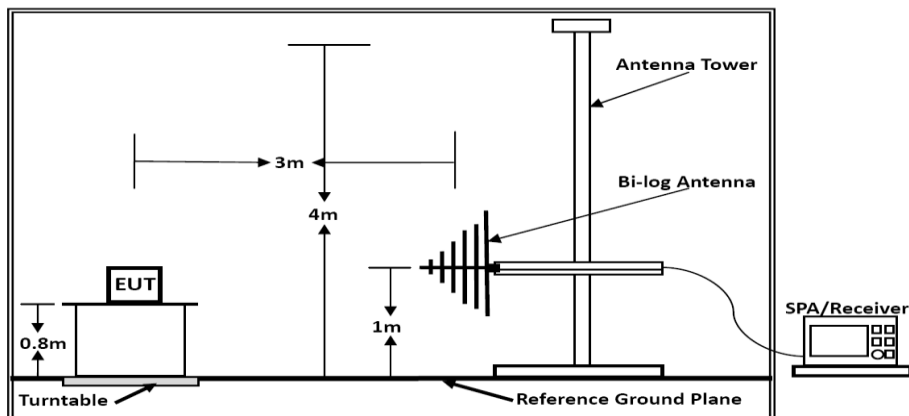




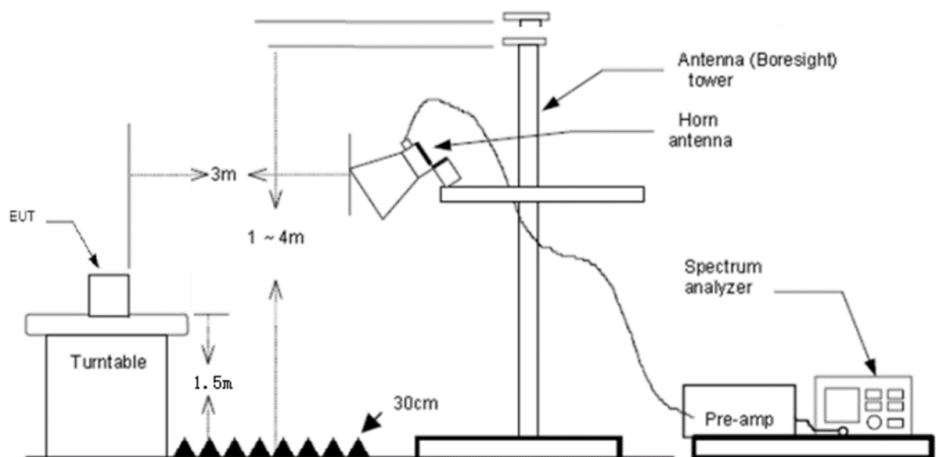
6.1.4. Test Setup Layout



Below 30MHz



Below 1GHz



Above 10 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade from 3m to 1.5m.



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



6.1.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

6.1.6. Results of Radiated Emissions (9 KHz~30MHz)

Temperature	23.8℃	Humidity	52.1%
Test Engineer	Joker Hu	Configurations	BT

Freq. (MHz)	Level (dBuV)	Over Limit (dB)	Over Limit (dBuV)	Remark
-	-	-	-	See Note

Note:

The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.

6.1.7. Results of Radiated Emissions (30 MHz~1000 MHz)

Temperature	23.8℃	Humidity	52.1%
Test Engineer	Joker Hu	Configurations	BT

PASS.

The test data please refer to following page.

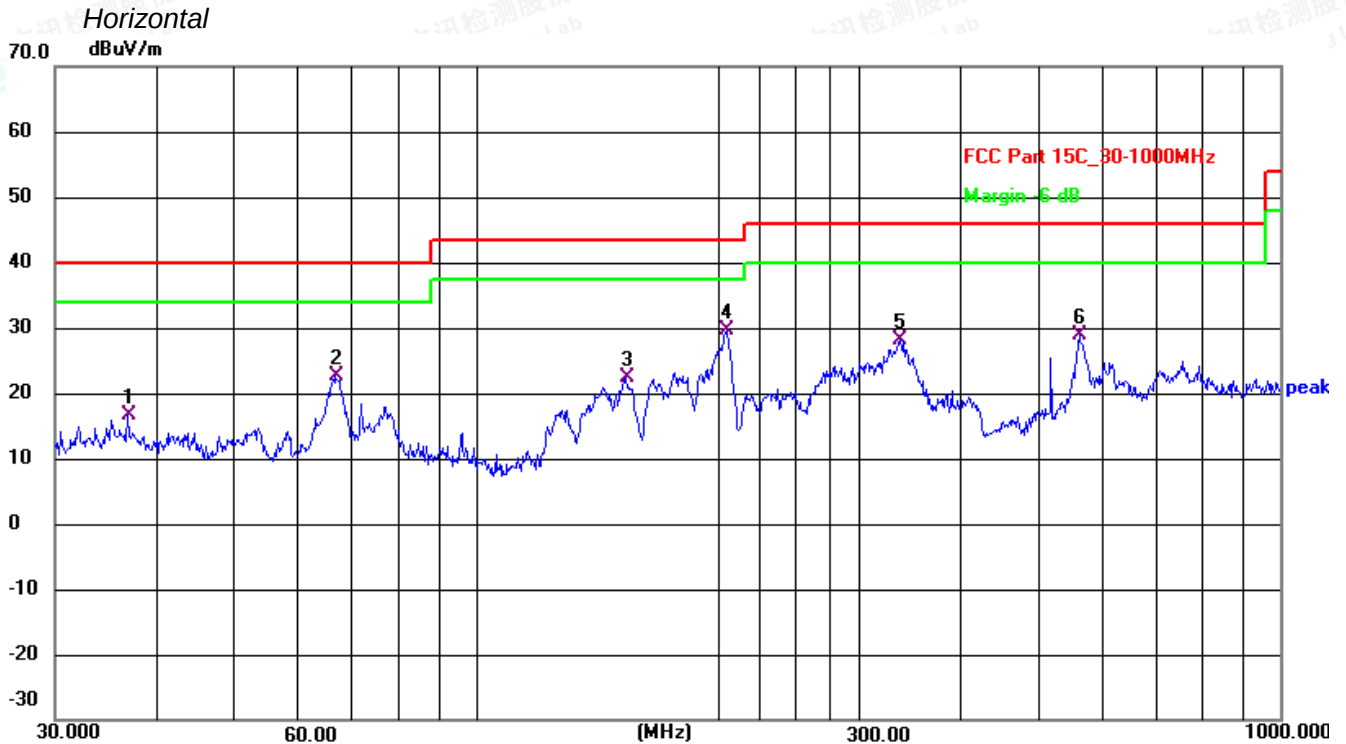


Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	36.8953	34.34	-17.70	16.64	40.00	-23.36	QP
2	66.9669	41.89	-19.29	22.60	40.00	-17.40	QP
3	153.7385	42.09	-19.77	22.32	43.50	-21.18	QP
4	204.9551	47.01	-17.26	29.75	43.50	-13.75	QP
5	337.2155	42.63	-14.52	28.11	46.00	-17.89	QP
6	562.6623	40.24	-11.32	28.92	46.00	-17.08	QP

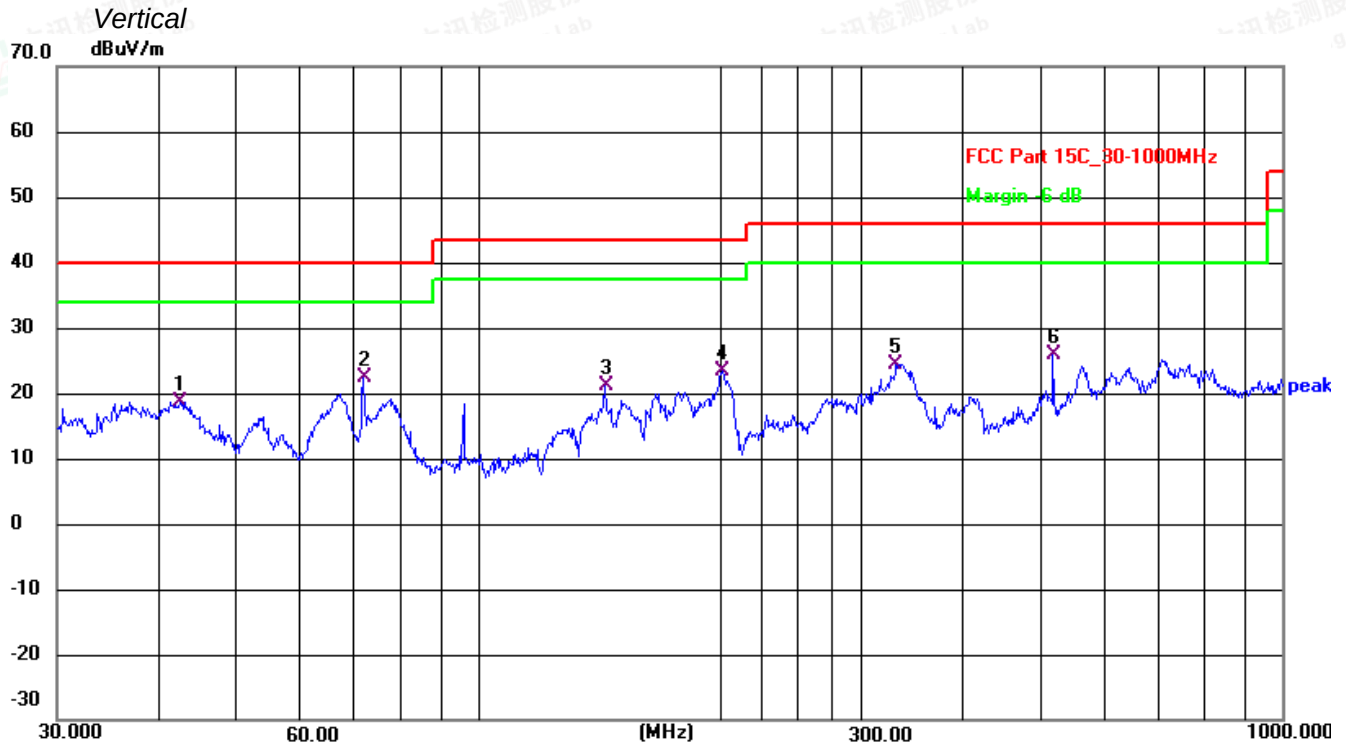


Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector
1	42.6000	35.95	-17.21	18.74	40.00	-21.26	QP
2	72.0843	41.84	-19.55	22.29	40.00	-17.71	QP
3	143.8295	41.51	-20.49	21.02	43.50	-22.48	QP
4	201.3930	40.84	-17.36	23.48	43.50	-20.02	QP
5	331.3546	38.86	-14.36	24.50	46.00	-21.50	QP
6	519.0649	38.59	-12.83	25.76	46.00	-20.24	QP

Note:

- 1). Pre-scan all modes and recorded the worst case results in this report (3Mbps-High Channel).
- 2). Emission level (dBUV/m) = 20 log Emission level (uV/m).
- 3). Level = Reading + Factor, Margin = Level – Limit, Factor = Antenna Factor + Cable Loss - Preamp Factor



Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



6.1.8. Results of Radiated Emissions (1 GHz~26 GHz)

Note: All the modes have been tested and recorded worst mode in the report.

The worst test result for GFSK, Channel 0 / 2402 MHz

Freq. MHz	Reading dBuV	Ant. Fac dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
4804.00	56.87	33.06	35.04	3.94	58.83	74.00	-15.17	Peak	Horizontal
4804.00	45.20	33.06	35.04	3.94	47.16	54.00	-6.84	Average	Horizontal
4804.00	57.86	33.06	35.04	3.94	59.82	74.00	-14.18	Peak	Vertical
4804.00	43.54	33.06	35.04	3.94	45.50	54.00	-8.50	Average	Vertical

The worst test result for GFSK, Channel 39 / 2441 MHz

Freq. MHz	Reading dBuV	Ant. Fac dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
4882.00	55.05	33.16	35.15	3.96	57.02	74.00	-16.98	Peak	Horizontal
4882.00	42.60	33.16	35.15	3.96	44.57	54.00	-9.43	Average	Horizontal
4882.00	58.74	33.16	35.15	3.96	60.71	74.00	-13.29	Peak	Vertical
4882.00	46.69	33.16	35.15	3.96	48.66	54.00	-5.34	Average	Vertical

The worst test result for GFSK, Channel 78 / 2480 MHz

Freq. MHz	Reading dBuV	Ant. Fac dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
4960.00	59.55	33.26	35.14	3.98	61.65	74.00	-12.35	Peak	Horizontal
4960.00	45.20	33.26	35.14	3.98	47.30	54.00	-6.70	Average	Horizontal
4960.00	59.46	33.26	35.14	3.98	61.56	74.00	-12.44	Peak	Vertical
4960.00	42.46	33.26	35.14	3.98	44.56	54.00	-9.44	Average	Vertical

The worst test result for $\pi/4$ -DQPSK, Channel 0 / 2402 MHz

Freq. MHz	Reading dBuV	Ant. Fac dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
4804.00	57.89	33.06	35.04	3.94	59.85	74.00	-14.15	Peak	Horizontal
4804.00	42.66	33.06	35.04	3.94	44.62	54.00	-9.38	Average	Horizontal
4804.00	56.30	33.06	35.04	3.94	58.26	74.00	-15.74	Peak	Vertical
4804.00	45.33	33.06	35.04	3.94	47.29	54.00	-6.71	Average	Vertical

The worst test result for $\pi/4$ -DQPSK, Channel 39 / 2441 MHz

Freq. MHz	Reading dBuV	Ant. Fac dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
4882.00	58.66	33.16	35.15	3.96	60.63	74.00	-13.37	Peak	Horizontal
4882.00	44.21	33.16	35.15	3.96	46.18	54.00	-7.82	Average	Horizontal
4882.00	56.63	33.16	35.15	3.96	58.60	74.00	-15.40	Peak	Vertical
4882.00	43.23	33.16	35.15	3.96	45.20	54.00	-8.80	Average	Vertical

The worst test result for $\pi/4$ -DQPSK, Channel 78 / 2480 MHz

Freq. MHz	Reading dBuV	Ant. Fac dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
4960.00	59.39	33.26	35.14	3.98	61.49	74.00	-12.51	Peak	Horizontal
4960.00	41.20	33.26	35.14	3.98	43.30	54.00	-10.70	Average	Horizontal
4960.00	57.04	33.26	35.14	3.98	59.14	74.00	-14.86	Peak	Vertical
4960.00	42.43	33.26	35.14	3.98	44.53	54.00	-9.47	Average	Vertical



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

*The worst test result for 8-DPSK, Channel 0 / 2402 MHz*

Freq. MHz	Reading dBuV	Ant. Fac dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
4804.00	53.97	33.06	35.04	3.94	55.93	74.00	-18.07	Peak	Horizontal
4804.00	40.57	33.06	35.04	3.94	42.53	54.00	-11.47	Average	Horizontal
4804.00	53.45	33.06	35.04	3.94	55.41	74.00	-18.59	Peak	Vertical
4804.00	45.16	33.06	35.04	3.94	47.12	54.00	-6.88	Average	Vertical

The worst test result for 8-DPSK, Channel 39 / 2441 MHz

Freq. MHz	Reading dBuV	Ant. Fac dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
4882.00	53.92	33.16	35.15	3.96	55.89	74.00	-18.11	Peak	Horizontal
4882.00	45.67	33.16	35.15	3.96	47.64	54.00	-6.36	Average	Horizontal
4882.00	53.11	33.16	35.15	3.96	55.08	74.00	-18.92	Peak	Vertical
4882.00	47.91	33.16	35.15	3.96	49.88	54.00	-4.12	Average	Vertical

The worst test result for 8-DPSK, Channel 78 / 2480 MHz

Freq. MHz	Reading dBuV	Ant. Fac dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
4960.00	58.65	33.26	35.14	3.98	60.75	74.00	-13.25	Peak	Horizontal
4960.00	43.61	33.26	35.14	3.98	45.71	54.00	-8.29	Average	Horizontal
4960.00	59.53	33.26	35.14	3.98	61.63	74.00	-12.37	Peak	Vertical
4960.00	43.28	33.26	35.14	3.98	45.38	54.00	-8.62	Average	Vertical

Notes:

- 1). Measuring frequencies from 9 KHz~10th harmonic or 26.5GHz (which is less), at least have 20dB margin found between lowest internal used/generated frequency to 30MHz.
- 2). Radiated emissions measured in frequency range from 9 KHz~10th harmonic or 26.5GHz (which is less) were made with an instrument using Peak detector mode.
- 3). 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.
- 4). Measured Level = Reading Level + Factor, Margin = Measured Level – Limit,
Factor = Antenna Factor + Cable Loss - Preamp Factor



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



6.2. AC Power Line Conducted Emissions

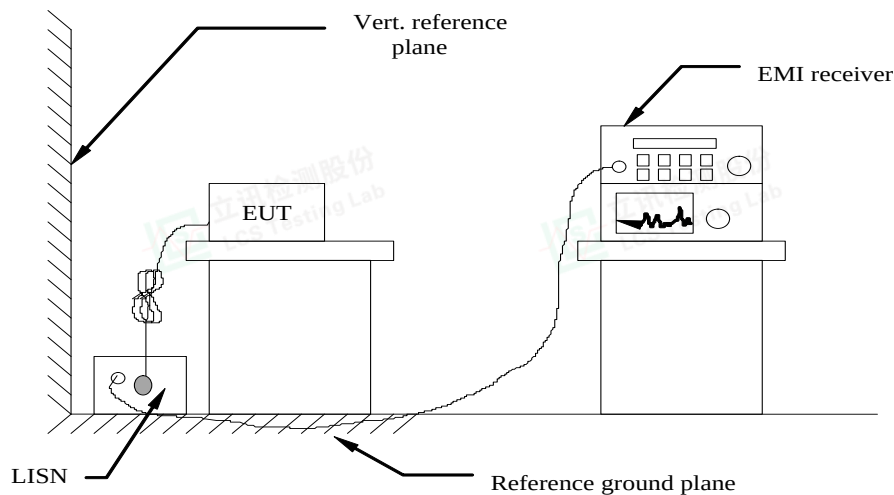
6.2.1 Standard Applicable

According to §15.207 (a): For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range is listed as follows:

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

* Decreasing linearly with the logarithm of the frequency

6.2.2 Block Diagram of Test Setup



6.2.3 Test Results

Temperature	23.5°C	Humidity	53.6%
Test Engineer	Joker Hu	Configurations	BT

PASS.

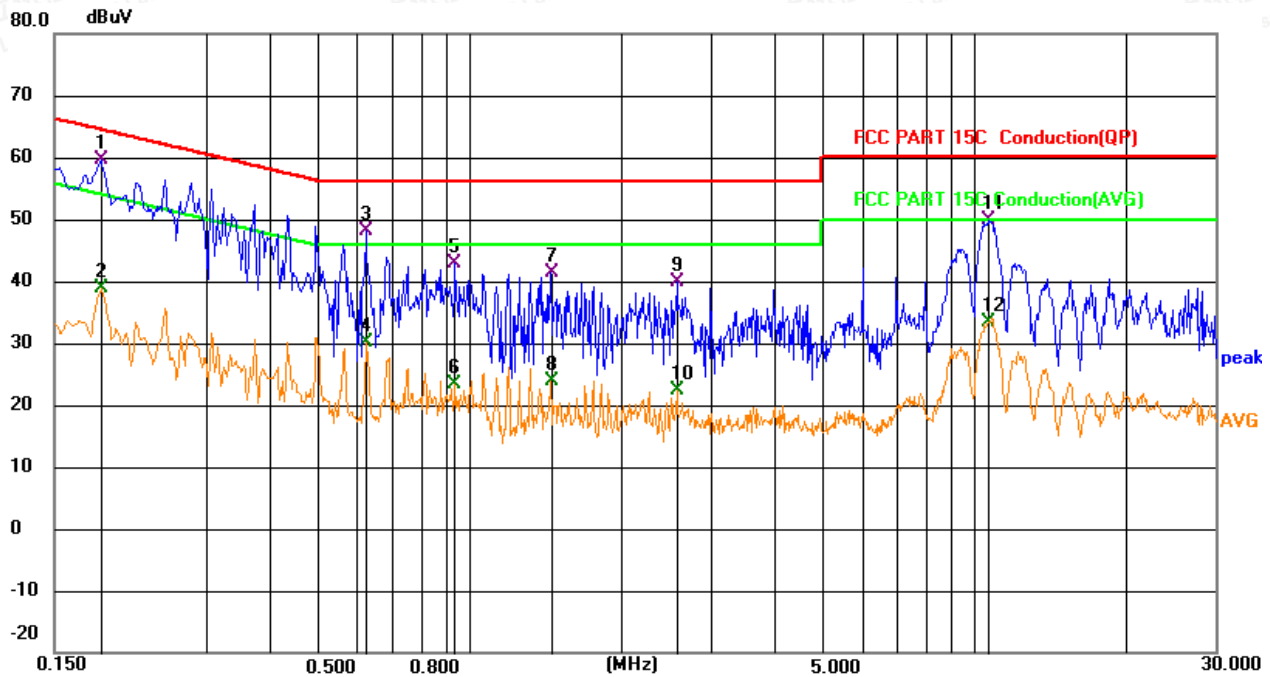
The test data please refer to following page.





AC Conducted Emission @ AC 120V/60Hz (worst case)

Line



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector
		MHz	Level	Factor	ment	dBuV		
			dBuV	dB	dBuV	dBuV	dB	
1	*	0.1861	40.06	19.63	59.69	64.21	-4.52	QP
2		0.1861	19.32	19.63	38.95	54.21	-15.26	AVG
3		0.6225	28.47	19.66	48.13	56.00	-7.87	QP
4		0.6225	10.47	19.66	30.13	46.00	-15.87	AVG
5		0.9375	23.31	19.65	42.96	56.00	-13.04	QP
6		0.9375	3.71	19.65	23.36	46.00	-22.64	AVG
7		1.4460	21.76	19.66	41.42	56.00	-14.58	QP
8		1.4460	4.27	19.66	23.93	46.00	-22.07	AVG
9		2.5801	20.15	19.68	39.83	56.00	-16.17	QP
10		2.5801	2.59	19.68	22.27	46.00	-23.73	AVG
11		10.6756	30.14	19.84	49.98	60.00	-10.02	QP
12		10.6756	13.53	19.84	33.37	50.00	-16.63	AVG



Shenzhen LCS Compliance Testing Laboratory Ltd.

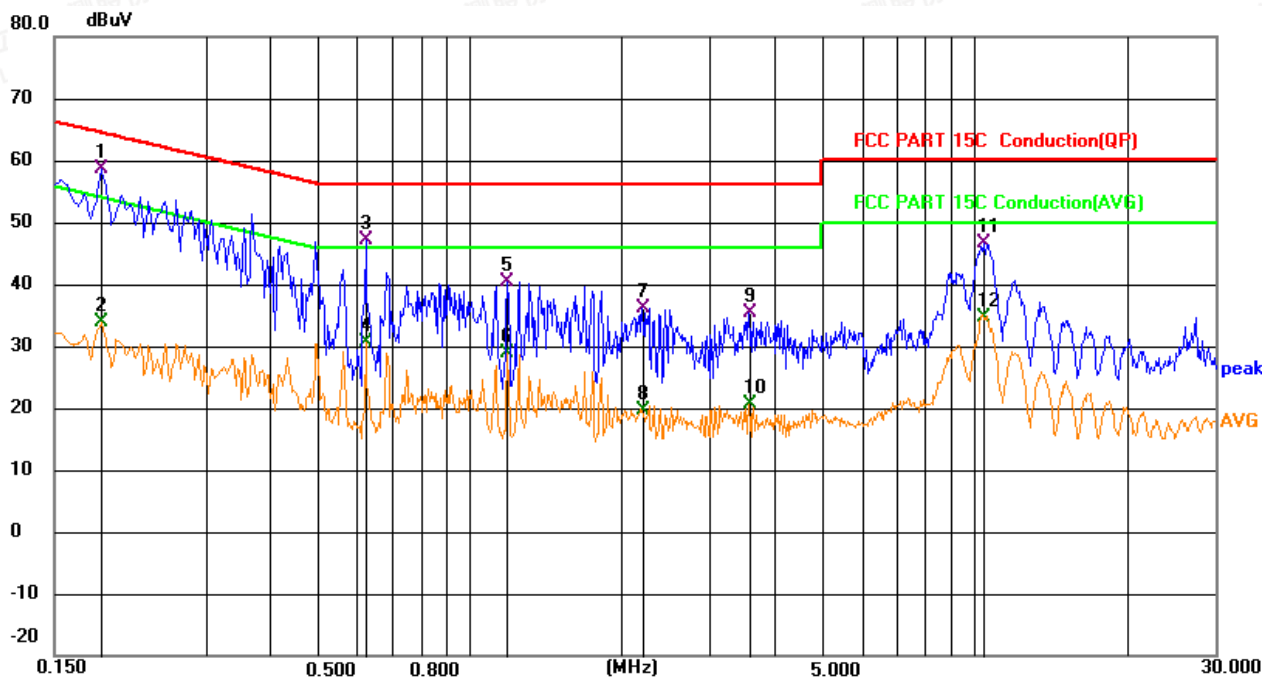
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



Neutral



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margi	Detector
		MHz	dBuV	Factor	ment	dBuV	dB	
1	*	0.1861	39.12	19.63	58.75	64.21	-5.46	QP
2		0.1861	14.17	19.63	33.80	54.21	-20.41	AVG
3		0.6225	27.38	19.66	47.04	56.00	-8.96	QP
4		0.6225	10.86	19.66	30.52	46.00	-15.48	AVG
5		1.1895	20.81	19.66	40.47	56.00	-15.53	QP
6		1.1895	9.10	19.66	28.76	46.00	-17.24	AVG
7		2.1975	16.48	19.69	36.17	56.00	-19.83	QP
8		2.1975	-0.05	19.69	19.64	46.00	-26.36	AVG
9		3.5791	15.59	19.78	35.37	56.00	-20.63	QP
10		3.5791	0.94	19.78	20.72	46.00	-25.28	AVG
11		10.4055	26.89	19.85	46.74	60.00	-13.26	QP
12		10.4055	14.88	19.85	34.73	50.00	-15.27	AVG

***Note: Pre-scan all modes and recorded the worst case results in this report (3Mbps-High Channel).
Measurement = Reading + Correct Factor, Margin = Measurement - Limit,
Correct Factor=Lisn Factor+Cable Factor.



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



6.3. Antenna Requirement

6.3.1 Standard Applicable

According to antenna requirement of §15.203.

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be re-placed by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.

And according to §15.247(4)(1), system operating in the 2400-2483.5MHz bands that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

6.3.2 Antenna Connected Construction

6.3.2.1. Standard Applicable

According to § 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.

6.3.2.2. Antenna Connector Construction

The directional gains of antenna used for transmitting is 0.25dBi(Max), and the antenna is an PIFA Antenna connect to PCB board and no consideration of replacement. Please see EUT photo for details.

6.3.2.3. Results: Compliance.



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



7. TEST SETUP PHOTOGRAPHS OF EUT

Please refer to separated files for Test Setup Photos of the EUT.

8. EXTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for External Photos of the EUT.

9. INTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for Internal Photos of the EUT.

-----THE END OF TEST REPORT-----



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity