

FCC/ISED

RF

TEST REPORT

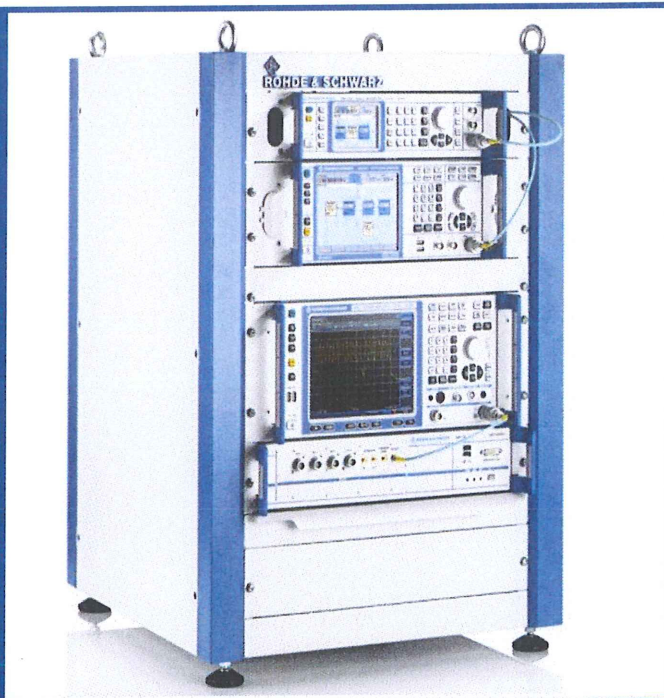
ISSUED BY
Shenzhen BALUN Technology Co., Ltd.



FOR
2.4G RF transmitter

ISSUED TO
Medical Alarm Concepts

200 West Church Rd., Suite B, King of Prussia, PA, USA



Tested by:

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Cao Shao Dong
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Date *Jul. 11, 2016*

Approved by:

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Liao Jianming
(Technical Director)

Date *Jul. 11, 2016*

Report No.: BL-SZ1660345-601

EUT Type: 2.4G RF transmitter

Model Name: CS399-RB

Brand Name: lhelp+

Test Standard: 47 CFR Part 15 Subpart C
RSS-210 Issue 8 (2010-12)
RSS-Gen Issue 4 (2014-11)

FCC ID: XWI-RB

ISED Number: 8730A-RB

Test conclusion: Pass

Test Date: Jun. 18, 2016 ~ Jun. 27, 2016

Date of Issue: Jul. 11, 2016

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Revision History

<u>Version</u>	<u>Issue Date</u>	<u>Revisions</u>
<u>Rev. 01</u>	<u>Jul. 1, 2016</u>	<u>Initial Issue</u>
<u>Rev. 02</u>	<u>Jul. 8, 2016</u>	<u>Amend the peak limit of Radiated Emission</u>
<u>Rev. 03</u>	<u>Jul. 11, 2016</u>	<u>Add the description of 99% OBW measurement in chapter 5.2.3</u>

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1 ADMINISTRATIVE DATA (GENERAL INFORMATION)

1.1 Identification of the Testing Laboratory

Company Name	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Phone Number	+86 755 6685 0100
Fax Number	+86 755 6182 4271

1.2 Identification of the Responsible Testing Location

Test Location	Shenzhen BALUN Technology Co., Ltd.
Address	Block B, 1st FL, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	<p>The laboratory has been listed by Industry Canada to perform electromagnetic emission measurements. The recognition numbers of test site are 11524A-1.</p> <p>The laboratory has been listed by US Federal Communications Commission to perform electromagnetic emission measurements. The recognition numbers of test site are 832625.</p> <p>The laboratory is a testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L6791.</p>
Description	All measurement facilities used to collect the measurement data are located at Block B, FL 1, Baisha Science and Technology Park, Shahe Xi Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China 518055

1.3 Laboratory Condition

Ambient Temperature	20 to 25°C
Ambient Relative Humidity	45% - 55%
Ambient Pressure	100 kPa - 102 kPa

1.4 Announce

- (1) The test report reference to the report template version v4.1.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- (5) This document may not be altered or revised in any way unless done so by BALUN and all revisions are duly noted in the revisions section.

- (6) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.

2 PRODUCT INFORMATION

2.1 Applicant Information

Applicant	Medical Alarm Concepts
Address	200 West Church Rd., Suite B, King of Prussia, PA, USA

2.2 Manufacturer Information

Manufacturer	Xi'an iHelp Wearable Electronic Co.Ltd
Address	Innovative Business Building No. 2, #69 Jinye Road, Xi'an, China

2.3 Factory Information

Factory	N/A
Address	N/A

2.4 General Description for Equipment under Test (EUT)

EUT Type	2.4G RF transmitter
Model Name	CS399-RB
Hardware Version	V1.0
Software Version	V1.0
Network and Wireless connectivity	2.4 GHz ISM band
Input Voltage	3.0 V
Input Rated Current	N/A
Input Frequency	2408MHz
About the Product	The equipment is 2.4G RF transmitter, it at 2.4 GHz ISM band.

2.5 Ancillary Equipment

Ancillary Equipment 1	Battery	
	Brand Name	N/A
	Model No.	CR2032
	Serial No.	N/A
	Capacitance	2032 mAh
	Rated Voltage	3.0 V
	Limit Charge Voltage	3.2 V

2.6 Technical Information

Modulation Type	FSK
Product Type	Portable
Frequency Range	2408 MHz
Tested Channel	1
Antenna Type	PCB Antenna
Antenna Gain	1 dBi (All involve the antenna gain test item, has been included in the final results)
About the Product	The EUT is 2.4G RF transmitter.

2.7 Additional Instructions

EUT Software Settings:

Mode	<input checked="" type="checkbox"/> Special sample is used. The sample provided by client to enable it under transmission condition continuously at specific channel frequencies individually when it power on.
------	--

Power level setup in software			
Test Software Version	N/A		
Mode	Channel	Frequency (MHz)	Soft Set
FSK	1	2408	TX LEVEL is built-in set parameters and cannot be changed and selected.

3 SUMMARY OF TEST RESULTS

3.1 Test Standards

No.	Identity	Document Title
1	47 CFR Part 15, Subpart C (10-1-14 Edition)	Intentional Radiators
2	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices
3	Canada RSS-210 Issue 8 (2010-12)	General Requirements for Compliance of Radio Apparatus
4	Canada RSS-Gen Issue 4 (2014-11)	Digital Transmission Systems (DTSs), Frequency Hopping Systems(FHSs) and Licence-Exemp Local Area Network (LE-LAN) Devices

3.2 Verdict

No.	Description	FCC Part No.	ISED Part No.	Test Result	Verdict
1	Antenna Requirement	15.203	RSS-210, 5.4	--	Pass ^{Note1}
2	20 dB Bandwidth	15.215(c)	RSS-Gen 6.6	ANNEX A.1	Pass
3	AC Conducted Emission	15.207	RSS-Gen 8.8	ANNEX A.2	N/A ^{Note2}
4	Radiated Spurious Emission	15.249(a)	RSS-210 2.5	ANNEX A.3	Pass
5	Band Edge (Restricted-band band-edge)	15.249(a)	RSS-210 8.5	ANNEX A.4	Pass

Note 1: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.

Note 2: The EUT is supported by battery only, and not applicable AC Conducted Emission.

4 GENERAL TEST CONFIGURATIONS

4.1 Test Environments

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

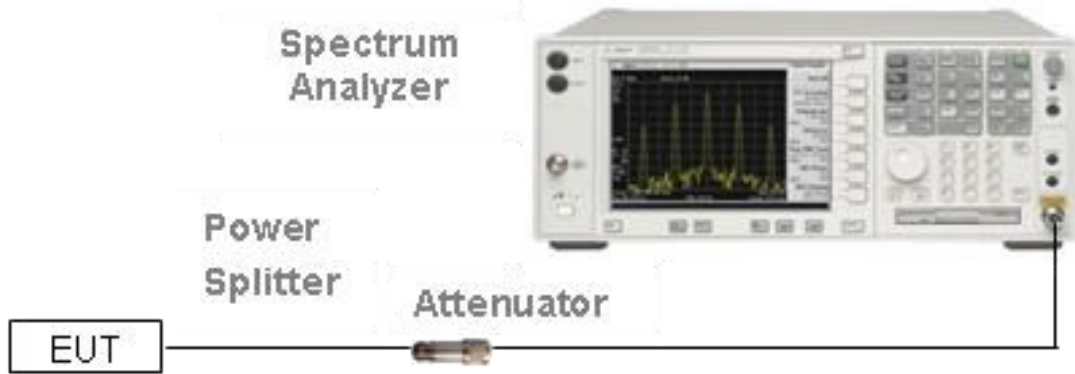
Relative Humidity	45% - 55%	
Atmospheric Pressure	100 kPa - 102 kPa	
Temperature	NT (Normal Temperature)	+22°C to +25°C
Working Voltage of the EUT	NV (Normal Voltage)	3.0 V

4.2 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	ROHDE&SCHWARZ	FSV-30	103118	2015.07.01	2016.07.15
Vector Signal Generator	ROHDE&SCHWARZ	SMBV100A	177746	2015.07.01	2016.07.15
Signal Generator	ROHDE&SCHWARZ	SMB100A	260592	2015.07.01	2017.06.30
Switch Unit with OSP-B157	ROHDE&SCHWARZ	OSP120	101270	2015.07.01	2016.07.15
Spectrum Analyzer	AGILENT	E4440A	MY45304434	2015.07.01	2016.10.17
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2015.07.01	2016.07.13
LISN	SCHWARZBECK	NSLK 8127	8127-687	2015.07.01	2016.07.13
Bluetooth Tester	ROHDE&SCHWARZ	CBT	101005	2015.07.01	2016.07.15
Power Splitter	KMW	DCPD-LDC	1305003215	2015.07.01	2016.07.20
Power Sensor	ROHDE&SCHWARZ	NRP-Z21	103971	2015.07.01	2016.07.20
Attenuator (20 dB)	KMW	ZA-S1-201	110617091	--	--
Attenuator (6 dB)	KMW	ZA-S1-61	1305003189	--	--
DC Power Supply	ROHDE&SCHWARZ	HMP2020	018141664	2015.07.01	2016.07.16
Temperature Chamber	ANGELANTIONI SCIENCE	NTH64-40A	1310	2015.07.01	2016.08.06
Test Antenna-Loop(9 kHz-30 MHz)	SCHWARZBECK	FMZB 1519	1519-037	2015.07.01	2017.07.21
Test Antenna-Bi-Log(30 MHz-3 GHz)	SCHWARZBECK	VULB 9163	9163-624	2015.07.01	2017.07.21
Test Antenna-Horn(1-18 GHz)	SCHWARZBECK	BBHA 9120D	9120D-1148	2015.07.01	2017.07.21
Test Antenna-Horn(15-26.5 GHz)	SCHWARZBECK	BBHA 9170	9170-305	2015.07.01	2017.07.21
Anechoic Chamber	RAINFORD	9m*6m*6m	N/A	2015.02.28	2017.02.27
Shielded Enclosure	ChangNing	CN-130701	130703	--	--

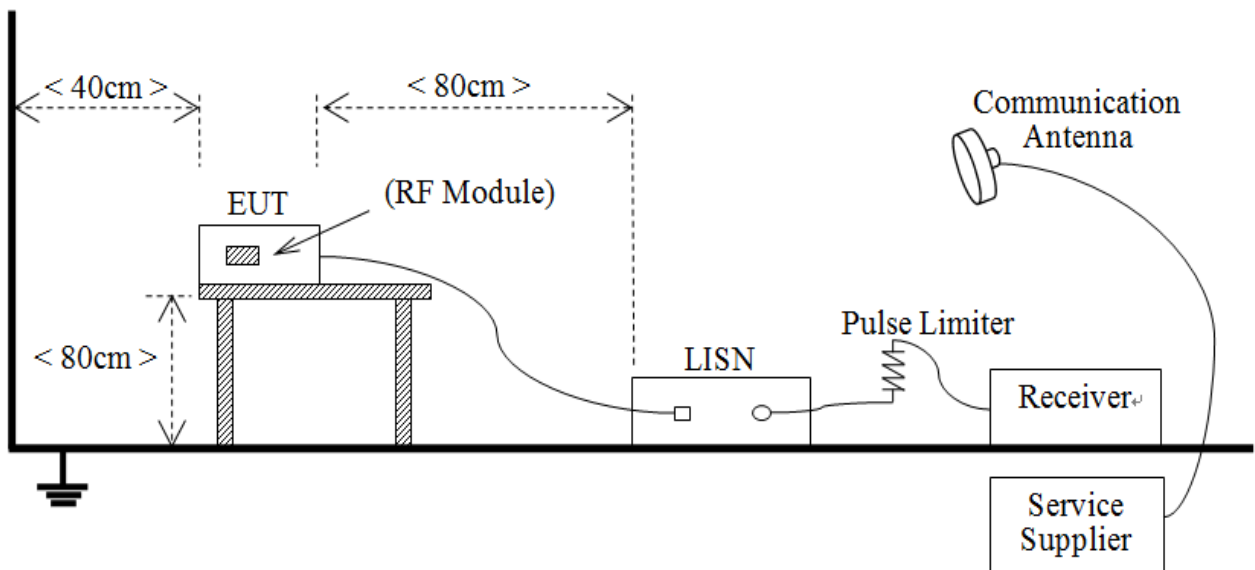
4.3 Description of Test Setup

4.3.1 For Antenna Port Test



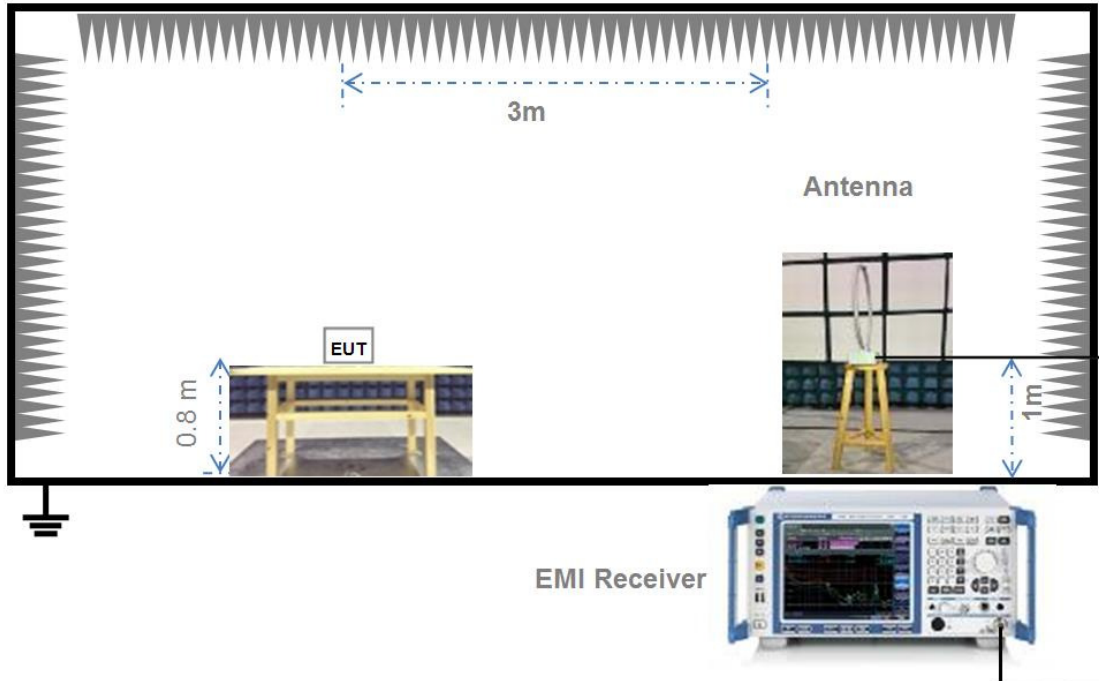
(Diagram 1)

4.3.2 For AC Power Supply Port Test



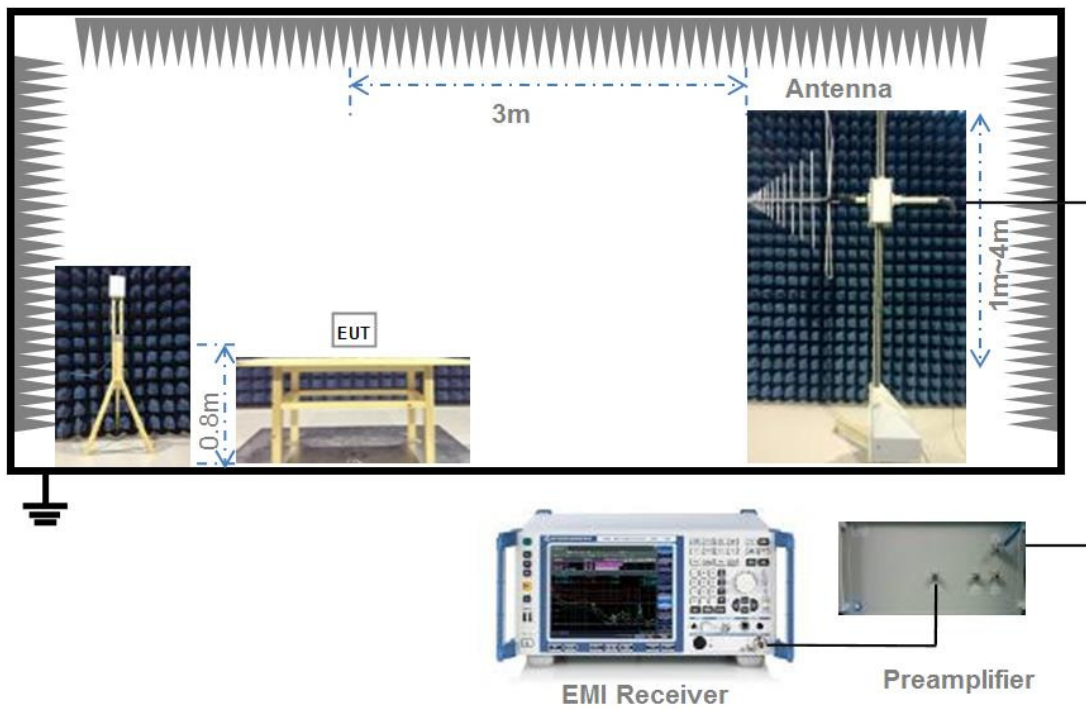
(Diagram 2)

4.3.3 For Radiated Test (Below 30 MHz)



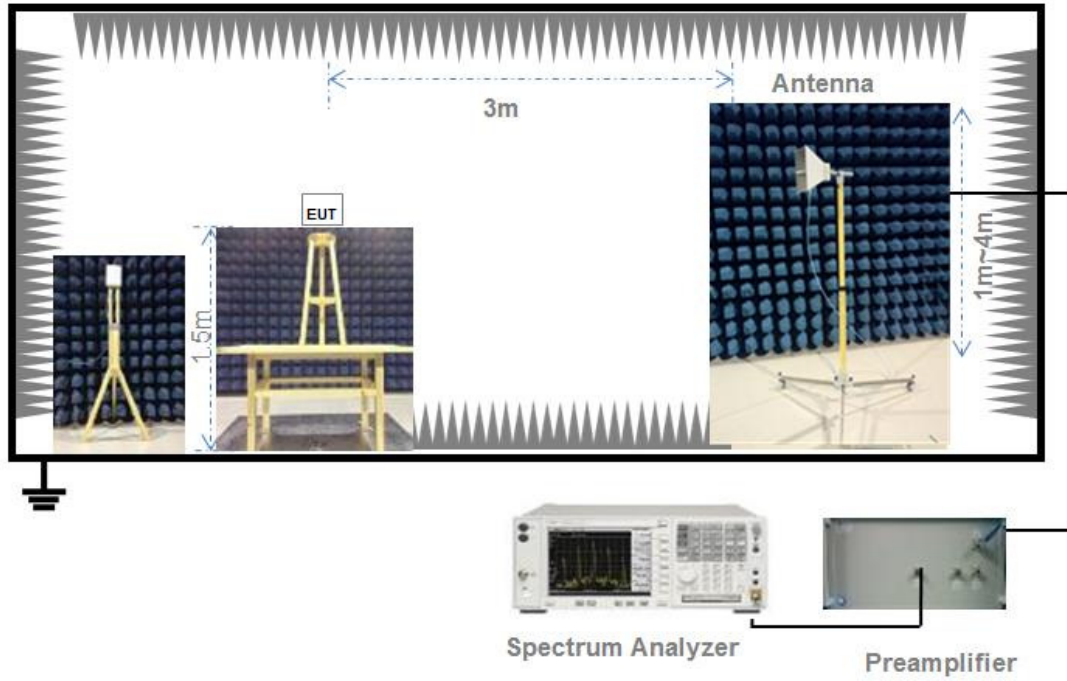
(Diagram 3)

4.3.4 For Radiated Test (30 MHz-1 GHz)



(Diagram 4)

4.3.5 For Radiated Test (Above 1 GHz)



(Diagram 5)

5 TEST ITEMS

5.1 Antenna Requirements

5.1.1 Standard Applicable

FCC §15.203 & 15.247(b); RSS-210, 5.4 (6)

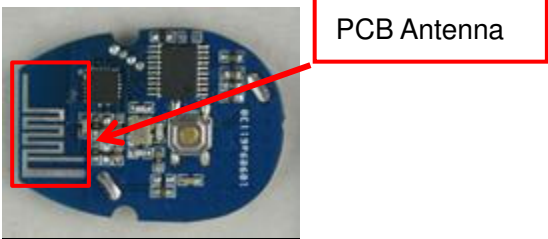
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced 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 § 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 § 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.

If directional gain of transmitting antennas is greater than 6 dBi, the power shall be reduced by the same level in dB comparing to gain minus 6 dBi. For the fixed point-to-point operation, the power shall be reduced by one dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi. 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 FCC rule.

5.1.2 Antenna Anti-Replacement Construction

The Antenna Anti-Replacement as following method:

Protected Method	Description
The antenna is An embedded-in	An embedded-in antenna design is used.

Reference Documents	Item
Photo	

5.1.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

5.2 20 dB Bandwidth and 99% Occupied Bandwidth

5.2.1 Limit

FCC §15.215(c); RSS-Gen 6.6

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.

5.2.2 Test Setups

See section 4.3.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.2.3 Test Procedure

For 20 dB Bandwidth

Use the following spectrum analyzer settings:

Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel

RBW \geq 1% of the 20 dB bandwidth

VBW \geq RBW

Sweep = auto

Detector function = peak

Trace = max hold

For 99% Occupied Bandwidth

Use the following spectrum analyzer settings:

Span = capture the emission skirts.

RBW = 1% to 5% of the occupied bandwidth

VBW \geq 3RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.2.4 Test Result

Please refer to ANNEX A.1

5.3 AC Conducted Emission

5.3.1 Limit

FCC §15.207; RSS-Gen 8.8

For an intentional radiator that 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 within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

Frequency range (MHz)	Conducted Limit (dB μ V)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
0.50 - 30	60	50

5.3.2 Test Setups

See section 4.3.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.3.3 Test Procedure

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed.

Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. A device rated for 50/60 Hz operation need not be tested at both frequencies provided the radiated and line conducted emissions are the same at both frequencies.

5.3.4 Test Result

Please refer to ANNEX A.2.

5.4 Radiated Spurious Emission

5.4.1 Limit

FCC §15.249(a); RSS-210 2.5

Except as provided in paragraph (a) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Frequency (MHz)	Field Strength of Fundamental (mV/m)	Field Strength of Harmonics (µV/m)
902-928	50	500
2400-2483.5	50	500
5725-5875	50	500
24000-24250	250	2500

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (µV/m)	Measurement Distance (m)
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

Note:

1. For Above 1000 MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.
2. For above 1000 MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK).

5.4.2 Test Setups

See section 4.3.2-4.3.5 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.4.3 Test Procedure

The measurement frequency range is from 9 kHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented. The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW \geq RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.4.4 Test Result

Please refer to ANNEX A.3.

5.5 Band Edge (Restricted-band band-edge)

5.5.1 Limit

FCC §15.249(a); RSS-210 A8.5

Radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

5.5.2 Test Setups

See section 4.3.3 to 4.3.5 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

5.5.3 Test Procedure

The measurement frequency range is from 9 kHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1$ GHz, 100 kHz for $f < 1$ GHz

VBW \geq RBW

Sweep = auto

Detector function = peak

Trace = max hold

For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported, Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

5.5.4 Test Result

Please refer to ANNEX A.4.

ANNEX A TEST RESULT

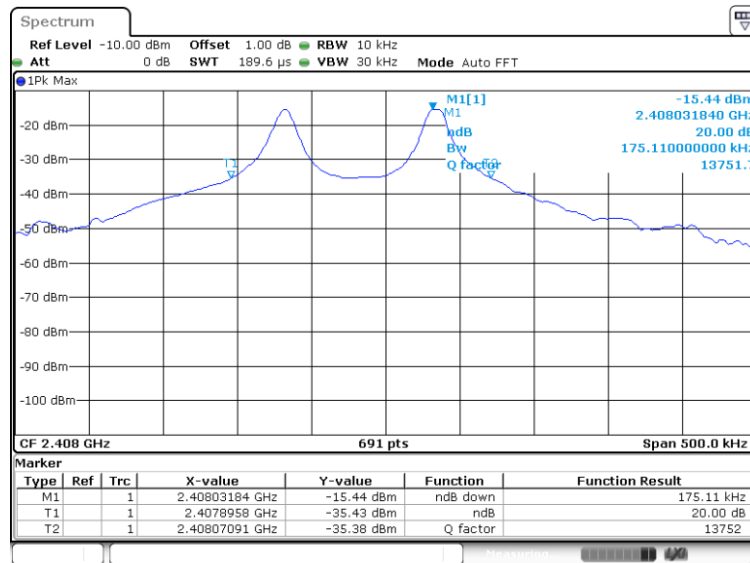
A.1 20dB bandwidth

Test Data

Frequency (MHz)	20 dB Bandwidth (KHz)	99% Bandwidth (KHz)
2480	175.11	209.12

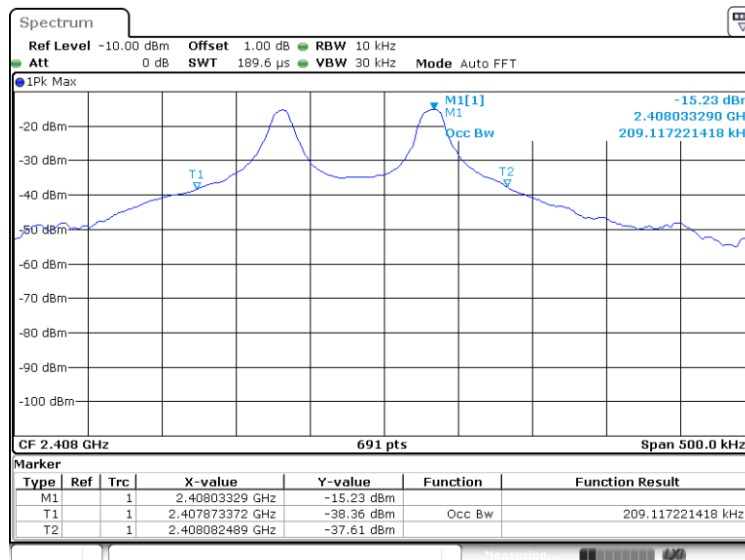
Test plots

20 dB Bandwidth



Date: 27.JUN.2016 11:07:14

99% Bandwidth



Date: 27.JUN.2016 11:03:54

A.2 AC Conducted Emission

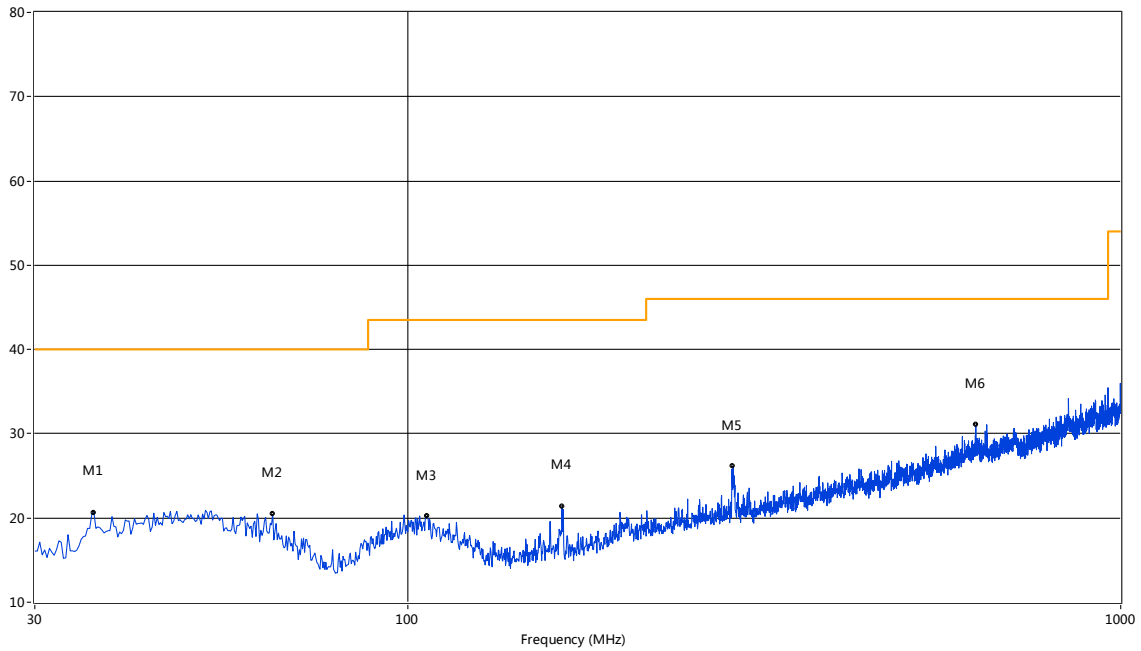
Not Applicable.

A.3 Radiated Emission

The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

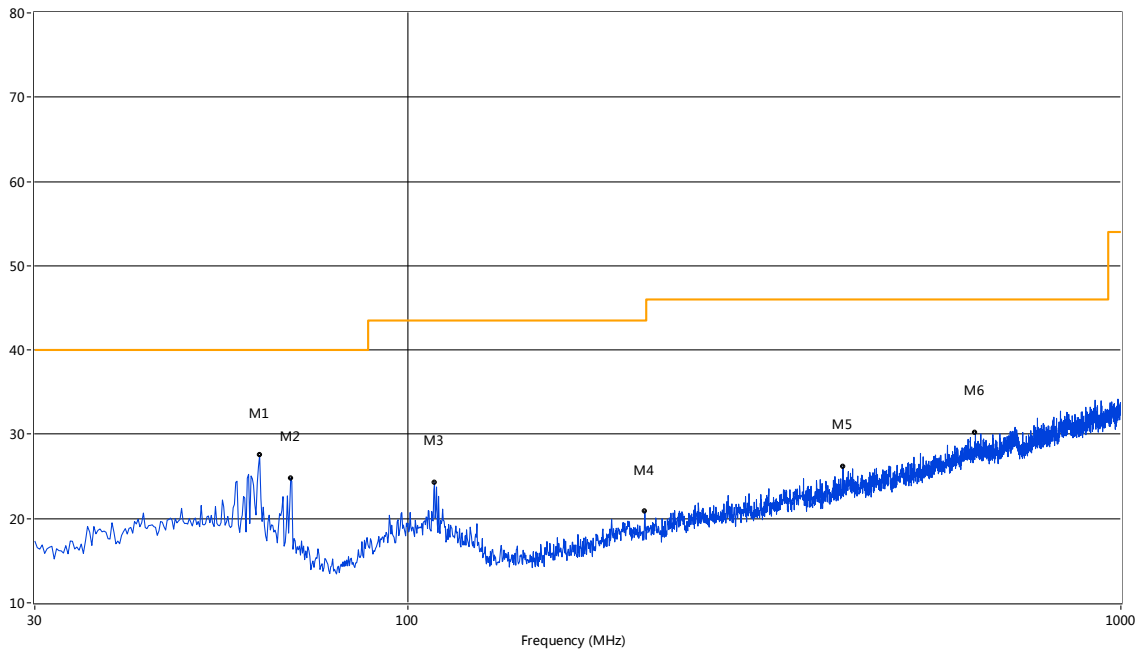
Note 1: The EUT is working in the Normal link mode below 1 GHz.

Low Channel 30 MHz to 1 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	36.30	20.65	-20.90	40.0	19.35	Peak	85.10	100	Vertical	N/A
1**	36.30	18.56	-20.90	40.0	21.44	QP	85.10	100	Vertical	Pass
2	64.67	20.44	-20.61	40.0	19.56	Peak	81.90	100	Vertical	N/A
2**	64.67	17.36	-20.61	40.0	22.64	QP	81.90	100	Vertical	Pass
3	106.37	20.18	-20.19	43.5	23.32	Peak	249.40	100	Vertical	N/A
3**	106.37	20.12	-20.19	43.5	23.38	QP	249.40	100	Vertical	Pass
4	164.55	21.30	-22.87	43.5	22.20	Peak	185.70	100	Vertical	N/A
4**	164.55	21.38	-22.87	43.5	22.12	QP	185.70	100	Vertical	Pass
5	286.02	26.12	-18.22	46.0	19.88	Peak	360.00	100	Vertical	N/A
5**	286.02	23.00	-18.22	46.0	23.00	QP	360.00	100	Vertical	Pass
6	626.16	31.01	-10.26	46.0	14.99	Peak	141.90	100	Vertical	N/A
6**	626.16	23.09	-10.26	46.0	22.91	QP	141.90	100	Vertical	Pass

Low Channel 30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	62.00	27.51	-20.38	40.0	12.49	Peak	238.70	100	Horizontal	N/A
1**	62.00	20.05	-20.38	40.0	19.95	QP	238.70	100	Horizontal	Pass
2	68.55	24.77	-22.06	40.0	15.23	Peak	238.70	100	Horizontal	N/A
2**	68.55	19.97	-22.06	40.0	20.03	QP	238.70	100	Horizontal	Pass
3	109.04	24.25	-20.23	43.5	19.25	Peak	71.30	100	Horizontal	N/A
3**	109.04	22.74	-20.23	43.5	20.76	QP	71.30	100	Horizontal	Pass
4	214.98	20.82	-20.05	43.5	22.68	Peak	111.10	100	Horizontal	N/A
4**	214.98	20.50	-20.05	43.5	23.00	QP	111.10	100	Horizontal	Pass
5	407.72	26.13	-14.95	46.0	19.87	Peak	104.40	100	Horizontal	N/A
5**	407.72	22.89	-14.95	46.0	23.11	QP	104.40	100	Horizontal	Pass
6	625.19	30.19	-10.25	46.0	15.81	Peak	268.40	100	Horizontal	N/A
6**	625.19	23.12	-10.25	46.0	22.88	QP	268.40	100	Horizontal	Pass

Test Data (1 GHz ~ 10th Harmonic)

Note 1: The marked spikes near 2408 MHz is the fundamental signal.

Note 2: Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Note 3: 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 §15.209, whichever is the lesser attenuation.

Note 4: Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin>20 dB from the applicable limit) and considered that's already beyond the background noise floor.

Note 5: Radiated emissions measured in frequency above 1000 MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.

CHANNEL 1 GHz to 25 GHz, ANT V

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2408.15	82.28	-0.15	114.0	31.72	Peak	304.40	150	Vertical	Pass
2	3639.59	47.72	10.08	74.0	26.28	Peak	307.90	150	Vertical	Pass
3	4707.32	52.11	13.34	74.0	21.89	Peak	345.20	150	Vertical	Pass
4	6426.79	51.40	18.46	74.0	22.60	Peak	150.7	150	Vertical	Pass
5	17585.69	42.78	9.02	74.0	31.22	Peak	159	150	Vertical	Pass
6	19918.47	46.55	11.96	74.0	27.45	Peak	171	150	Vertical	Pass

CHANNEL 1 GHz to 25 GHz, ANT H

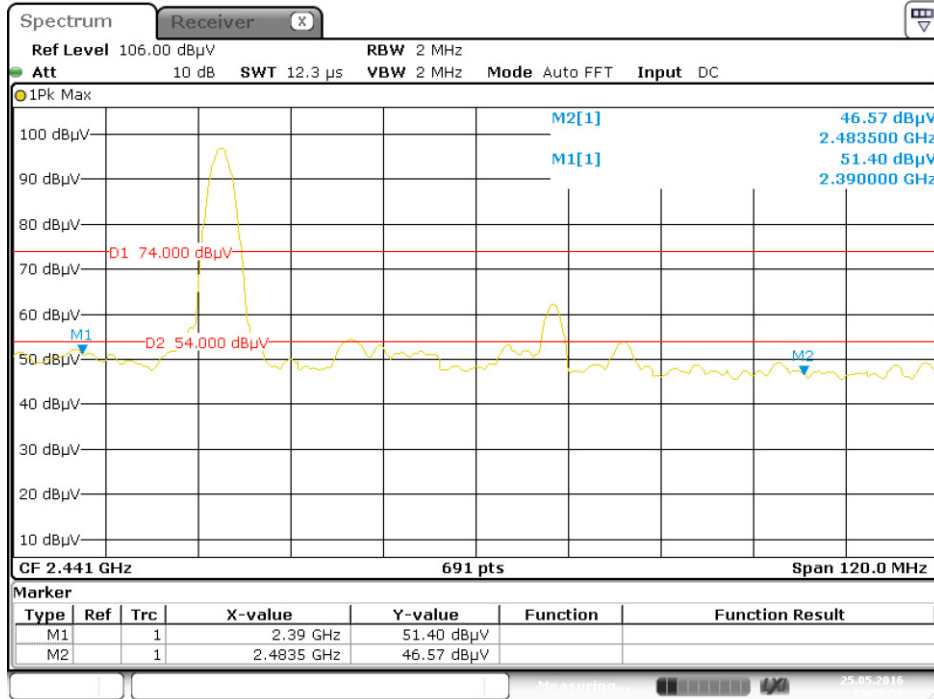
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2408.15	78.51	-0.15	114.0	35.49	Peak	39.20	150	Horizontal	Pass
2	3767.81	47.97	10.42	74.0	26.03	Peak	155.50	150	Horizontal	Pass
3	4690.08	51.43	13.22	74.0	22.57	Peak	99.50	150	Horizontal	Pass
4	9740.02	46.04	15.51	74.0	27.96	Peak	182.9	150	Horizontal	Pass
5	15037.85	46.84	9.13	74.0	27.16	Peak	34.1	150	Horizontal	Pass
6	20118.14	47.08	8.28	74.0	26.92	Peak	107.3	150	Horizontal	Pass

A.4 Band Edge (Restricted-band band-edge)

Test Data

The channel is tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

Test Plots



Date: 25.MAY.2016 18:39:58

ANNEX B TEST SETUP PHOTOS

Please refer the document "BL-SZ1660345-AR.PDF".

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document "BL- SZ1660345-AW.PDF".

ANNEX D EUT INTERNAL PHOTOS

Please refer the document "BL- SZ1660345-AI.PDF".

--END OF REPORT--