

# **TEST REPORT**

Applicant:	SEUIC Technologies Co., Ltd.
Address:	NO.15 Xinghuo Road, Nanjing New & High Technology Industry Development Zone, 210061, Nanjing City, Jiangsu Province, China
Equipment Type:	Rugged Tablet PC
Model Name:	AUTOID Pad Air (Win)
Brand Name:	Seuic
FCC ID:	2AC68-PADAIRWIN
Test Standard:	47 CFR Part 15 Subpart C
Sample Arrival Data:	Nov. 07, 2022
Test Date:	Nov. 29, 2022 - Dec. 01, 2022
Date of Issue:	Jan. 10, 2023

### **ISSUED BY:**

Shenzhen BALUN Technology Co., Ltd.

Tested by: Fei Liu

Checked by: Xia Long

**Approved by:** Liao Jianming (Technical Director)

Fei Liu

Xia Long

min



Revision History
Version Issue Date Revisions
Rev. 01 Jan. 10, 2023 Initial Issue

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# **1 GENERAL INFORMATION**

# 1.1 Test Laboratory

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

## 1.2 Test Location

Name	Shenzhen BALUN Technology Co., Ltd.
Location	Block B, 1/F, Baisha Science and Technology Park, Shahe Xi
	Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China
	1/F, Building B, Ganghongji High-tech Intelligent Industrial Park,
	No. 1008, Songbai Road, Yangguang Community, Xili Sub-district,
	Nanshan District, Shenzhen, Guangdong Province, P. R. China
Accreditation Certificate	The laboratory is a testing organization accredited by FCC as a
	accredited testing laboratory. The designation number is CN1196.



# 2 **PRODUCT INFORMATION**

### 2.1 Applicant Information

Applicant	SEUIC Technologies Co., Ltd.
Address	NO.15 Xinghuo Road, Nanjing New & High Technology Industry
	Development Zone, 210061, Nanjing City, Jiangsu Province, China

### 2.2 Manufacturer Information

Manufacturer	SEUIC Technologies Co., Ltd.
Address	NO.15 Xinghuo Road, Nanjing New & High Technology Industry
	Development Zone, 210061, Nanjing City, Jiangsu Province, China

### 2.3 Factory Information

Factory	SEUIC Technologies Co., Ltd.
Address	3rd Floor, No.4 Building, Zhicheng Industrial Park, Zhida Road,
	Nanjing Jiangbei New Area, Nanjing City, China

# 2.4 General Description for Equipment under Test (EUT)

EUT Name	Rugged Tablet PC
Model Name Under Test	AUTOID Pad Air (Win)
Series Model Name	N/A
Description of Model	
name differentiation	N/A
Hardware Version	N/A
Software Version	N/A
Dimensions (Approx.)	N/A
Weight (Approx.)	N/A



### 2.5 Technical Information

Network and Wireless	Bluetooth, WiFi, NFC
connectivity	

The requirement for the following technical information of the EUT was tested in this report:

Modulation Type	ASK
	Mobile
Product Type	⊠ Portable
	Fix Location
Frequency Range	13.56 MHz
Receiver	
Categorization	3
Number of channel	1
Tested Channel	1
Antenna Type	Coil Antenna

# **3 SUMMARY OF TEST RESULTS**

### 3.1 Test Standards

No.	Identity Document Title			
1	47 CFR Part 15, Subpart C	Miscellaneous Wireless Communications Services		
2	ANSI C63.10-2013	American National Standard for Testing Unlicensed		
		Wireless Devices		

### 3.2 Verdict

No.	Description	FCC Part No.	Test Result	Verdict	
1	Antenna Requirement	15.203		Pass Note	
2	Emissions Bandwidth	15.215	ANNEX A.1	Pass	
3	Field Strength of	15.225(a)	ANNEX A.2	Pass	
3	Fundamental Emissions	13.223(a)	ANNEA A.2	F 855	
4	Radiated Emissions	15.225(d) / 15.209	ANNEX A.3	Pass	
5 Frequency Stability		15.225(e)	ANNEX A.4	Pass	
6 Conducted Emission 15.207 ANNEX A.5 Pa					
Note: The EUT has a permanently and irreplaceable attached antenna, which complies with					
the requirement FCC 15.203					

### 3.3 Test Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Measurement	Value
Conducted emissions (9 kHz-30 MHz)	4.28 dB
Radiated emissions (9 kHz-30 MHz)	3.22 dB
Radiated emissions (30 MHz-1 GHz)-10m	4.80 dB
Radiated emissions (30 MHz-1 GHz)-3m	4.76 dB
Radiated emissions (1 GHz-18 GHz)-3m	4.88 dB



# **4 GENERAL TEST CONFIGURATIONS**

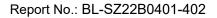
### **4.1 Test Environments**

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

Relative Humidity	30% to 60%		
Atmospheric Pressure	100 kPa to 102 kPa		
Temperature	NT (Normal Temperature)	+22°C to +25°C	
Working Voltage of the EUT	NV (Normal Voltage)	7.7 V	

### 4.2 Test Equipment List

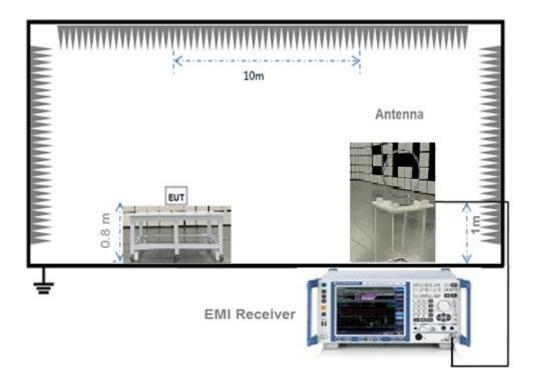
Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
EMI Receiver KEYSIGHT		N9010B	MY57110309	2022.09.09	2023.09.08
EMI Receiver	ROHDE&SCHWARZ	ESRP	101036	2022.09.09	2023.09.08
LISN	SCHWARZBECK	NSLK 8127	8127-687	2022.06.01	2023.05.31
Temperature Chamber	AHK	SP20	1412	2022.09.20	2023.09.19
Test Antenna- Loop(9 kHz-30 MHz)	SCHWARZBECK	FMZB 1519	1519-037	2021.04.16	2024.04.15
Amplifier (30-1GHz)	COM-MV	ZT30- 1000M	B2018054558	2022.09.09	2023.09.08
Test Antenna- Bi-Log	SCHWARZBECK	VULB 9168	9168-01162	2022.08.12	2023.08.11
Test Antenna- Loop	SCHWARZBECK	FMZB 1519	1519-037	2021.04.16	2024.04.15
Anechoic Chamber	EMC TECHNOLOGY LTD	20.1m*11.6 m*7.35m	N/A	2021.08.15	2024.08.14
Shielded Room	YiHeng Electronic Co., Ltd	3.5m*3.1m* 2.8m	112	2022.02.19	2025.02.18





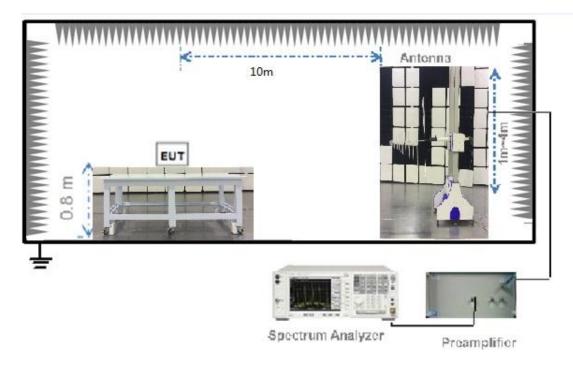
### 4.3 Description of Test Setup

4.3.1 For Radiated Test (Below 30 MHz)



(Diagram 1)

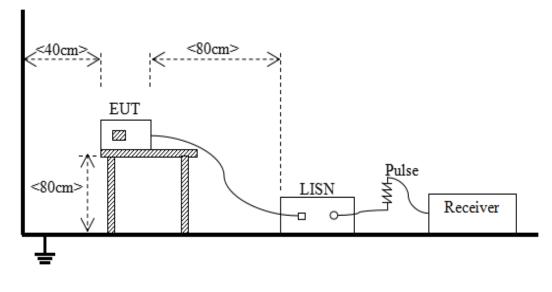
4.3.2 For Radiated Test (30 MHz-1 GHz)



### (Diagram 2)



### 4.3.3 For AC Power Supply Port Test



(Diagram 3)



# 5 TEST ITEMS

# 5.1 Antenna Requirements

### 5.1.1 Relevant Standards

### FCC §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 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.

For expediting the testing, measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below).

When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer. The test report shall state the RF power, output power setting and spurious emission measurements with each antenna type that is used with the transmitter being tested.

For licence-exempt equipment with detachable antennas, the user manual shall also contain the following notice in a conspicuous location:

This radio transmitter [enter the device's ISED certification number] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Immediately following the above notice, the manufacturer shall provide a list of all antenna types which can be used with the transmitter, indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna type.

### 5.1.2 Antenna Anti-Replacement Construction

The Antenna Anti-Replacement as following method:



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

Reference Documents	Item
Photo	Please refer EUT internal photos.



# 5.2 Emission Bandwidth

### 5.2.1 Definition

### 15.215(c);

Intentional radiators operating under the alternative provisions to the general emission limits 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.

The following conditions shall be observed for measuring the occupied bandwidth and x dB bandwidth:

• The transmitter shall be operated at its maximum carrier power measured under normal test conditions.

• The span of the spectrum analyzer shall be set large enough to capture all products of the modulation process, including the emission skirts, around the carrier frequency, but small enough to avoid having other emissions (e.g. on adjacent channels) within the span.

• The detector of the spectrum analyzer shall be set to "Sample". However, a peak, or peak hold, may be used in place of the sampling detector since this usually produces a wider bandwidth than the actual bandwidth (worst-case measurement). Use of a peak hold (or "Max Hold") may be necessary to determine the occupied / x dB bandwidth if the device is not transmitting continuously.

• The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the actual occupied / x dB bandwidth and the video bandwidth (VBW) shall not be smaller than three times the RBW value. Video averaging is not permitted.

Note: It may be necessary to repeat the measurement a few times until the RBW and VBW are in compliance with the above requirement.

For the 99% emission bandwidth, the trace data points are recovered and directly summed in linear power level terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached, and that frequency recorded. The process is repeated for the highest frequency data points (starting at the highest frequency, at the right side of the span, and going down in frequency). This frequency is then recorded. The difference between the two recorded frequencies is the occupied bandwidth (or the 99% emission bandwidth).

### 5.2.2 Test Setup

See section 4.1.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

### 5.2.3 Test Procedure

The 20dB bandwidth is measured with a spectrum analyzer connected via a receiver antenna placed near the EUT while the EUT is operating in transmission mode.

Use the following spectrum analyzer settings:

Span = between 2 to 5 times the OBW

RBW = 1% to 5% the OBW



VBW ≥ 3RBW

Sweep = auto

Detector function = peak

Trace = max hold

The 99% emission bandwidth is measured with a spectrum analyzer connected via a receiver antenna placed near the EUT while the EUT is operating in transmission mode.

Use the following spectrum analyzer settings:

Span = between 1.5 to 5 times the OBW

RBW = 1% to 5% OBW

VBW ≥ 3RBW

Sweep = auto

Detector function = peak

Trace = max hold

5.2.4 Test Result

Please refer to ANNEX A.1

### Field Strength of Fundamental Emissions and Radiated 5.3 Emissions

5.3.1 Limit

FCC §15.225(a), (b), (c)

According to FCC section 15.225, for <30 MHz, Radiated emissions were measured according to ANSI C63.4. The EUT was set to transmit at the highest output power. The EUT was set 10 meter away from the measuring antenna. The loop antenna was positioned 1 meter above the ground from the center of the loop. The measuring bandwidth was set to 10 kHz. (Note: During testing the receive antenna was rotated about its axis to maximize the emission from the EUT)

There was no detected Restricted bands and Radiated spurious emission below 30MHz. The 30m limit was converted to 3m Limit using square factor(x) as it was found by measurements as follows; 3 m  $Limit(dB\mu V/m) = 20log(X)+40log(30/3)= 20log(15848)+40log(30/3) = 124dB\mu V$ 

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 range	Field Stre	ength@30m	Field Strength@10m	Field Strength@3m
(MHz)	μV/m	dBµV/m	dBµV/m	dBµV/m
Below 13.110	30	29.5	48.58	69.5
13.110 ~ 13.410	106	40.5	59.58	80.5
13.410 ~ 13.553	334	50.5	69.58	90.5
13.553 ~13.567	15848	84	103.08	124
13.567 ~ 13.710	334	50.5	69.58	90.5
13.710 ~14.010	106	40.5	59.58	80.5
Above 14.010	30	29.5	48.58	69.5

NOTE:

1. Field Strength (dB $\mu$ V/m) = 20\*log[Field Strength ( $\mu$ V/m)].

In the emission tables above, the tighter limit applies at the band edges. 2.

### FCC §15.225(d)

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 (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

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Group



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: 54dBµV/m@3m (AV) and 74dBµV/m@3m (PK).

### 5.3.2 Test Setup

See section 4.1.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

### 5.3.3 Test Procedure

The 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  $f \ge 1$  GHz, 100 kHz for f < 1 GHz VBW  $\ge$  RBW Sweep = auto Detector function = peak Trace = max hold

### 5.3.4 Test Result

Please refer to ANNEX A.2 and A.3

NOTE:

1. Results (dBµV/m) = Reading (dBµV/m) + Factor (dB/m)

The reading level is calculated by software which is not shown in the sheet

2. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Amplifier Gain (dB)

3. Over limit = Results – Limit.



# 5.4 Frequency Tolerance

### 5.4.1 Limit

FCC §15.225(e)

The frequency tolerance of the carrier signal shall be maintained within  $\pm 0.01\%$  of the operating frequency over a temperature variation of -20 degrees to +50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.

If the frequency stability limits are only met within a temperature range that is smaller than the -30°C to +50°C range specified in (a), the frequency stability requirement will be deemed to be met if the transmitter is automatically prevented from operating outside this smaller temperature range and if the published operating characteristics for the equipment are revised to reflect this restricted temperature range.

### 5.4.2 Test Setup

See section 4.1.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

### 5.4.3 Test Procedure

- 1. The test is performed in a Temperature Chamber.
- 2. The EUT is configured as MS + DC Power Supply.

### 5.4.4 Test Result

Please refer to ANNEX A.4.



# 5.5 Conducted Emission

5.5.1 Limit

### FCC §15.207

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  $50\mu$ H/50 $\Omega$  line impedance stabilization network (LISN).

Eroquonov rongo (MHz)	Conducted Limit (dBµV)		
Frequency range (MHz)	Quai-peak	Average	
0.15 - 0.50	66 to 56	56 to 46	
0.50 - 5	56	46	
0.50 - 30	60	50	

### 5.5.2 Test Setup

See section 4.1.1 for test setup description for the antenna port. The photo of test setup please refer to ANNEX B.

### 5.5.3 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. Refer to recorded points and plots below.

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.

### 5.5.4 Test Result

Please refer to ANNEX A.5.

### NOTE:

1. Results  $(dB\mu V)$  = Reading  $(dB\mu V)$  + Factor (dB)

The reading level is calculated by software which is not shown in the sheet

### 2. Factor = Insertion loss + Cable loss

### 3. Over limit = Results – Limit.



# ANNEX A TEST RESULT

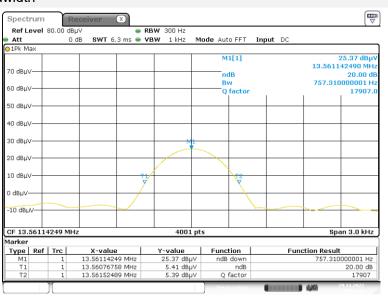
# A.1 Emission Bandwidth

#### Test Data

Frequency	Emission Bandwidth(20dB down)	Occupied Bandwidth(99%)	
(MHz)	(kHz)	(kHz)	
13.56	757.31	677.83	

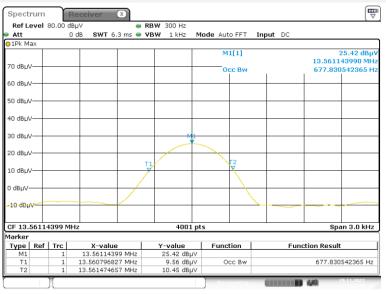
#### Test plots

#### **Emission Bandwidth**



Date: 29.NOV.2022 19:37:41

#### 99% Occupied Bandwidth



Date: 29.NOV.2022 19:37:10



# A.2 Field Strength of Fundamental Emissions

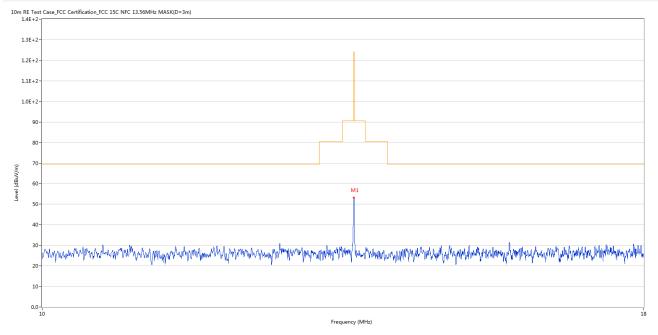
Note: Field Strength of Fundamental Emissions tests were performed in X, Y, Z axis direction of EUT. And only the worst axis test condition was recorded in this test report.

#### Test Data

Field Strength of Fundamental Emissions Value					
Frequency (MHz)	EUT	Margin (dB)			
13.562	PEAK	52.32	124.0	Y axis	103.14

#### Test Plot

#### Test Antenna-LOOP, EUT Y axis

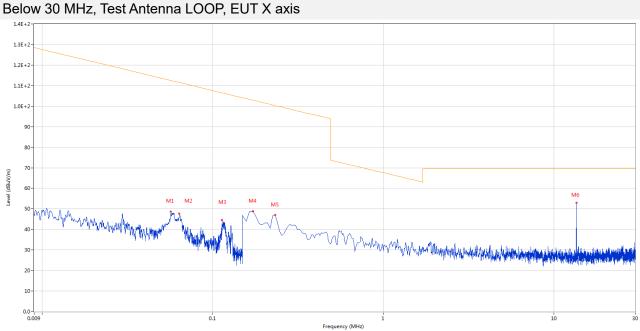




# A.3 Radiated Emissions

Note 1: This frequency which near 13.560 MHz with circle should be ignored because they are NFC carrier frequency.

Note 2: All Radiated Emissions tests were performed in X, Y, Z axis direction of EUT. And only the worst axis test condition was recorded in this test report.



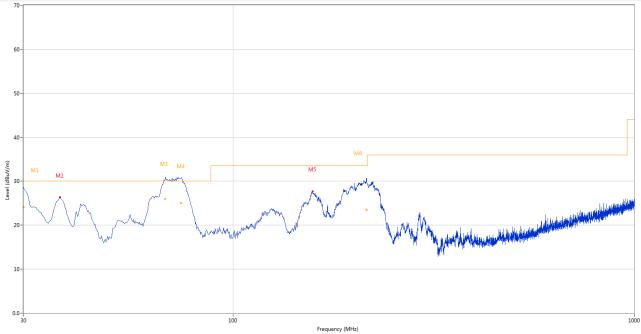
The Data and Plots (9 kHz ~ 30 MHz)(at 10m chamber)

No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	0.057	49.23	20.20	112.5	63.27	Peak	360.00	100	Vertical	Pass
2	0.064	48.56	20.18	111.4	62.84	Peak	360.00	100	Vertical	Pass
3	0.114	49.43	20.16	106.5	57.07	Peak	360.00	100	Vertical	Pass
4	0.172	48.90	20.10	102.9	54.00	Peak	360.00	100	Vertical	Pass
5	0.232	46.94	20.12	100.3	53.36	Peak	360.00	100	Vertical	Pass
6	13.560	52.20	20.86	69.5	17.3	Peak	360.00	100	Vertical	N/A



#### Test Data and Plots (30 MHz ~ 10th Harmonic)

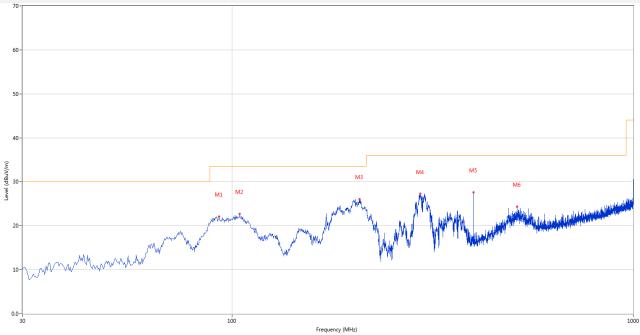




No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	30.000	25.95	-29.33	30.0	4.05	Peak	0.00	117	Vertical	N/A
1*	30.000	24.15	-29.33	30.0	5.85	QP	0.00	117	Vertical	Pass
2	37.031	26.32	-28.00	30.0	3.68	Peak	90.00	100	Vertical	Pass
3	67.743	27.60	-29.20	30.0	2.40	Peak	103.00	100	Vertical	N/A
3*	67.743	25.96	-29.20	30.0	4.04	QP	103.00	100	Vertical	Pass
4	74.184	26.86	-31.62	30.0	3.14	Peak	130.00	192	Vertical	N/A
4*	74.184	25.03	-31.62	30.0	4.97	QP	130.00	192	Vertical	Pass
5	157.766	27.68	-31.21	33.5	5.82	Peak	0.00	100	Vertical	Pass
6	214.644	25.76	-27.86	33.5	7.74	Peak	0.00	108	Vertical	N/A
6*	214.644	23.50	-27.86	33.5	10.00	QP	0.00	108	Vertical	Pass



#### 30 MHz to 1 GHz, Test Antenna Horizontal, EUT X axis



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	92.792	22.08	-29.12	33.5	11.42	Peak	322.00	200	Horizontal	Pass
2	104.429	22.69	-27.71	33.5	10.81	Peak	143.00	200	Horizontal	Pass
3	207.951	26.10	-28.00	33.5	7.40	Peak	295.00	200	Horizontal	Pass
4	294.744	27.24	-25.22	36.0	8.76	Peak	87.00	200	Horizontal	Pass
5	399.963	27.60	-22.54	36.0	8.40	Peak	220.00	200	Horizontal	Pass
6	512.939	24.30	-20.22	36.0	11.70	Peak	291.00	200	Horizontal	Pass



# A.4 Frequency Stability

Note 1: Because the 115% (8.855V)of the rated supply voltage value exceeds the cut-off voltage lower(8.4V) limit of the manufacturer, the cut-off voltage of EUT is test here.

Note 2: The operating temperature range of the EUT is 0°C to 45°C.

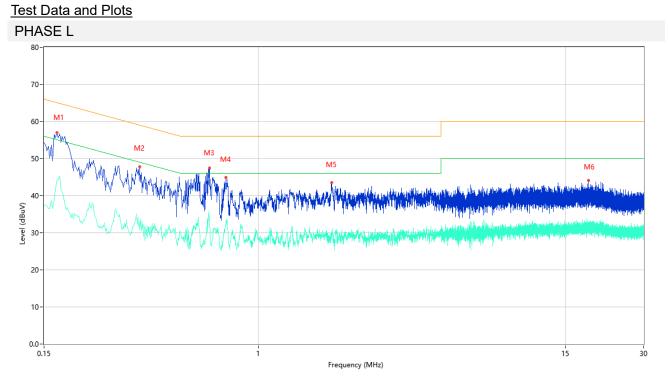
OPERATING FREQUENCY:	13560000 Hz
REFERENCE VOLTAGE:	7.7 V
DEVIATION LIMIT:	±0.01%

	Test	Conditions			
VOLTAGE (%)	Power	Temperature	Frequency(Hz)	Deviation(%)	
	(VDC)	(°C)			
100		-30	13561212	0.0089	
100		-20	13561052	0.0078	
100		-10	13561212	0.0089	
100		0	13560984	0.0073	
100	7.7	+10	13561194	0.0088	
100	1.1	+20	13561268	0.0094	Verdict
100		+25	13561280	0.0094	
100		+30	13561298	0.0096	
100		+40	13561284	0.0095	
100		+50	13561266	0.0093	
MAX(Battery	7.2	+20	13559976	-0.0002	
End Point, 85)	1.2	+20	13559970	-0.0002	
MIN(Battery	8.4	+20	13559978	-0.0002	
End Point, 115)	0.4	720	1999910	-0.0002	



# A.5 Conducted Emissions

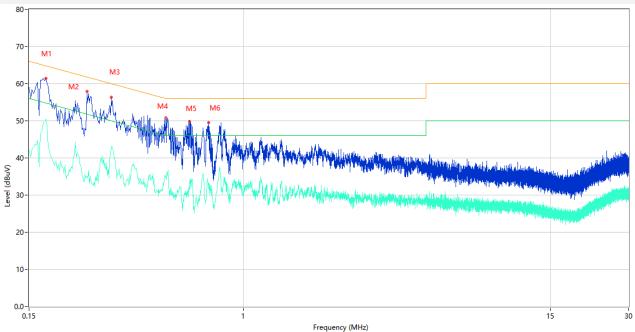
Note 1: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.



No.	Frequency	Results	Factor	Limit	Margin	Detector	Line	Verdict
	(MHz)	(dBuV)	(dB)	(dBuV)	(dB)			
1	0.168	57.02	10.08	65.06	8.04	Peak	L	Pass
1**	0.168	44.32	10.08	55.06	10.74	AV	L	Pass
2	0.350	47.81	10.97	58.96	11.15	Peak	L	Pass
2**	0.350	30.66	10.97	48.96	18.30	AV	L	Pass
3	0.648	47.46	10.37	56.00	8.54	Peak	L	Pass
3**	0.648	33.09	10.37	46.00	12.91	AV	L	Pass
4	0.748	44.93	10.34	56.00	11.07	Peak	L	Pass
4**	0.748	33.10	10.34	46.00	12.90	AV	L	Pass
5	1.904	43.45	10.77	56.00	12.55	Peak	L	Pass
5**	1.904	29.29	10.77	46.00	16.71	AV	L	Pass
6	18.396	44.07	10.52	60.00	15.93	Peak	L	Pass
6**	18.396	31.50	10.52	50.00	18.50	AV	L	Pass



### PHASE N



No.	Frequency	Results	Factor	Limit	Margin	Detector	Line	Verdict
	(MHz)	(dBuV)	(dB)	(dBuV)	(dB)			
1	0.174	61.50	10.07	64.77	3.27	Peak	N	Pass
1**	0.174	50.40	10.07	54.77	4.37	AV	N	Pass
2	0.250	58.02	10.02	61.76	3.74	Peak	N	Pass
2**	0.250	35.04	10.02	51.76	16.72	AV	N	Pass
3	0.310	56.34	10.18	59.97	3.63	Peak	N	Pass
3**	0.310	42.81	10.18	49.97	7.16	AV	N	Pass
4	0.502	50.74	10.17	56.00	5.26	Peak	N	Pass
4**	0.502	35.18	10.17	46.00	10.82	AV	N	Pass
5	0.618	49.79	10.35	56.00	6.21	Peak	N	Pass
5**	0.618	33.63	10.35	46.00	12.37	AV	N	Pass
6	0.734	49.46	10.48	56.00	6.54	Peak	N	Pass
6**	0.734	33.22	10.48	46.00	12.78	AV	N	Pass



# ANNEX B TEST SETUP PHOTOS

Please refer the document "BL-SZ22B0401-AE-2.PDF".

# ANNEX C EUT EXTERNAL PHOTOS

Please refer the document "BL-SZ22B0401-AW.PDF".

# ANNEX D EUT INTERNAL PHOTOS

Please refer the document "BL-SZ22B0401-AI.PDF".



# Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.

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--END OF REPORT--