

**FCC TEST REPORT**  
**FOR**  
**ALLIED TIME USA INC**  
**Fingerprint & RFID Calculating Time Recorder**  
**Test Model: AT-5500**

Prepared for : ALLIED TIME USA INC  
Address : 416 N.Orange Ave.,Deland,Florida,United States 32720

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd  
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Date of receipt of test sample : August 12, 2020  
Number of tested samples : 1  
Sample number : 200812077A  
Date of Test : August 12, 2020 ~ August 26, 2020  
Date of Report : August 26, 2020

**FCC TEST REPORT**  
**FCC CFR 47 PART 15 C**

**Report Reference No.** ..... : **LCS200812077AEA**

**Date of Issue**..... : August 26, 2020

**Testing Laboratory Name**..... : **Shenzhen LCS Compliance Testing Laboratory Ltd.**

**Address**..... : 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Shajing Street,  
Baoan District, Shenzhen, China

**Testing Location/ Procedure** ..... : Full application of Harmonised standards   
Partial application of Harmonised standards   
Other standard testing method

**Applicant's Name** ..... : **ALLIED TIME USA INC**

**Address**..... : 416 N.Orange Ave.,Deland,Florida,United States 32720

**Test Specification**

**Standard** ..... : FCC CFR 47 PART 15 C / ANSI C63.10: 2013

**Test Report Form No.**..... : LCSEMC-1.0

**TRF Originator** ..... : Shenzhen LCS Compliance Testing Laboratory Ltd.

**Master TRF** ..... : Dated 2011-03

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**Test Item Description.** ..... : Fingerprint & RFID Calculating Time Recorder

**Trade Mark** ..... : Allied Time USA, Inc.

**Test Model**..... : AT-5500

DC 7.4V By Li Battery(1800mAh)

Recharged By DC 9V, 2.5A From Adapter

**Ratings**..... : Adapter: Input: AC100-240V~50/60Hz 0.8A Max

Output: DC 9V, 2.5A

**Result** ..... : Positive

**Compiled by:**

*Cherry Chen*

Cherry Chen/ File administrators

**Supervised by:**

*Jin Wang*

Jin Wang / Technique principal

**Approved by:**

*Gavin Liang*

Gavin Liang/ Manager

## FCC -- TEST REPORT

<b>Test Report No. :</b> <b>LCS200812077AEA</b>	<u>August 26, 2020</u> Date of issue
---	---

Test Model.....	: AT-5500
EUT.....	: Fingerprint & RFID Calculating Time Recorder
<b>Applicant.....</b>	<b>: ALLIED TIME USA INC</b>
Address.....	: 416 N.Orange Ave.,Deland,Florida,United States 32720
Telephone.....	: /
Fax.....	: /
<b>Manufacturer.....</b>	<b>: SHENZHEN WANGLINFA TECHNOLOGY CORPORATION</b>
Address.....	: 2/F Block P, Shang Xia Wei Industrial Area, Sha 3, Shajing, Bao'an District, Shenzhen, Guangdong, China
Telephone.....	: /
Fax.....	: /
<b>Factory.....</b>	<b>: SHENZHEN WANGLINFA TECHNOLOGY CORPORATION</b>
Address.....	: 2/F Block P, Shang Xia Wei Industrial Area, Sha 3, Shajing, Bao'an District, Shenzhen, Guangdong, China
Telephone.....	: /
Fax.....	: /

<b>Test Result</b>	<b>Positive</b>
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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.

### Revision History

Revision	Issue Date	Revisions	Revised By
000	August 26, 2020	Initial Issue	Gavin Liang

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## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

EUT : Fingerprint & RFID Calculating Time Recorder  
 Test Model : AT-5500  
 Power Supply : DC 7.4V By Li Battery(1800mAh)  
                   Recharged By DC 9V, 2.5A From Adapter  
                   Adapter: Input: AC100-240V~50/60Hz 0.8A Max  
                   Output: DC 9V, 2.5A  
 Hardware Version : AT-5500-Main-V2.3  
 Software Version : AT5500\_200703  
 125KHz  
 Frequency Range : 125KHz  
 Channel Number : 1 channel  
 Channel Spacing : N/A  
 Modulation Type : OOK  
 Antenna Description : Coil Antenna, 0dBI(Max.)

### 1.2. Host System Configuration List and Details

Manufacturer	Description	Model	Serial Number	Certificate
DYS	SWITCHING MODE POWER SUPPLY	DYS624-090250W-1	--	sDOC

### 1.3. External I/O

I/O Port Description	Quantity	Cable
DC IN PORT	1	0.8M

### 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.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4:2014 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.

## 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)

(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

The EUT operates at 125 KHz. 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. It was pre-tested on the positioned of each 3 axis. The worst case was found positioned on X-plane.

Mode of Operations	Transmitting Frequency (KHz)
OOK	125
For Conducted Emission	
Test Mode	TX Mode
For Radiated Emission	
Test Mode	TX Mode

Worst-case mode and channel used for 150 KHz-30 MHz power line conducted emissions was the mode and channel with the highest output power.

\*\*\*Note: Using a temporary antenna connector for the EUT when the conducted measurements are performed.

## 2. TEST METHODOLOGY

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

The radiated testing was performed at an antenna-to-EUT distance of 3 meters. All radiated and conducted emissions measurement was performed at Shenzhen LCS Compliance Testing Laboratory Ltd.

### 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 engineering mode to fix the TX frequency that was for the purpose of the measurements.

According to its specifications, the EUT must comply with the requirements of the Section 15.203, 15.205, 15.207, 15.209 and 15.201 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 6.2.1 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. 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 6.3 of ANSI C63.10-2013.



### 3. SYSTEM TEST CONFIGURATION

#### 3.1. Justification

The system was configured for testing in a continuous transmits condition. The duty cycle is 100% and the average correction factor is 0.

#### 3.2. EUT Exercise Software

Powered on the EUT then the EUT will transmit at 125 KHz signal.

#### 3.3. Special Accessories

N/A

#### 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.

#### 4. SUMMARY OF TEST RESULTS

Applied Standard: FCC Part 15 Subpart C			
FCC Rules	Description of Test	Result	Remark
§15.203	Antenna Requirements	Compliant	Note 1
§15.207(a)	AC Conducted Emissions	Compliant	Note 1
§15.201(a), §15.205(a), §15.209(a), §15.215(a)	Radiated Emissions Measurement	Compliant	Note 1
§2.1049	99% and 20dB Bandwidth	Compliant	Note 1

*Remark:*

1. Note 1 – Test results inside test report;

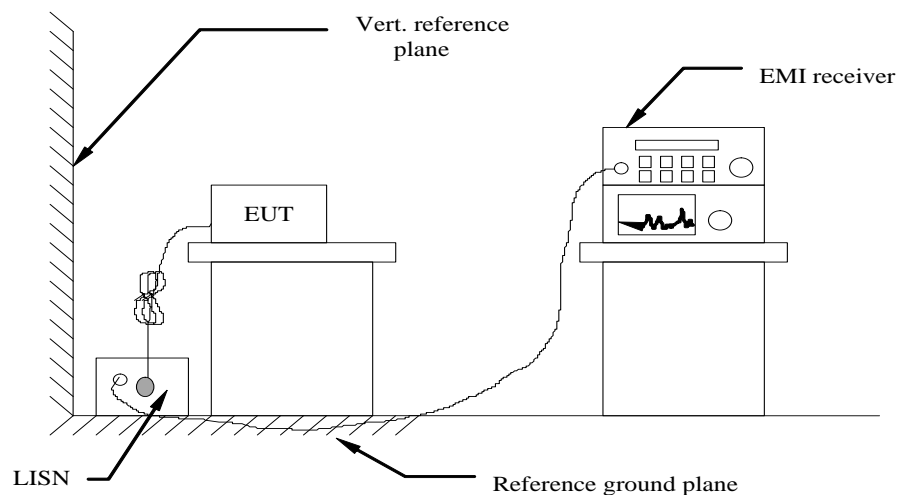
## 5. Power Line Conducted Emissions

### 5.1 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 are listed as follows:

Frequency Range (MHz)	Limits (dB $\mu$ V)	
	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

### 5.2 Block Diagram of Test Setup



### 5.3 Test Results

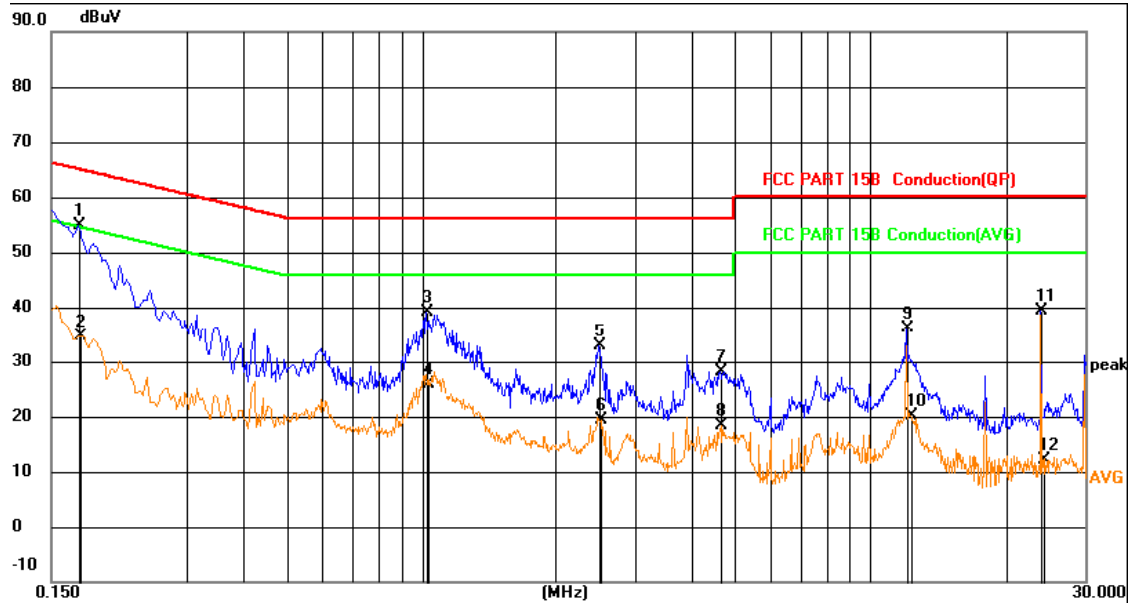
**PASS.**

Temperature	23.3°C	Humidity	53.7%
Test Engineer	Kay Hu	Configurations	/

The test data please refer to following page.

AC Conducted Emission of power adapter @ AC 120V/60Hz

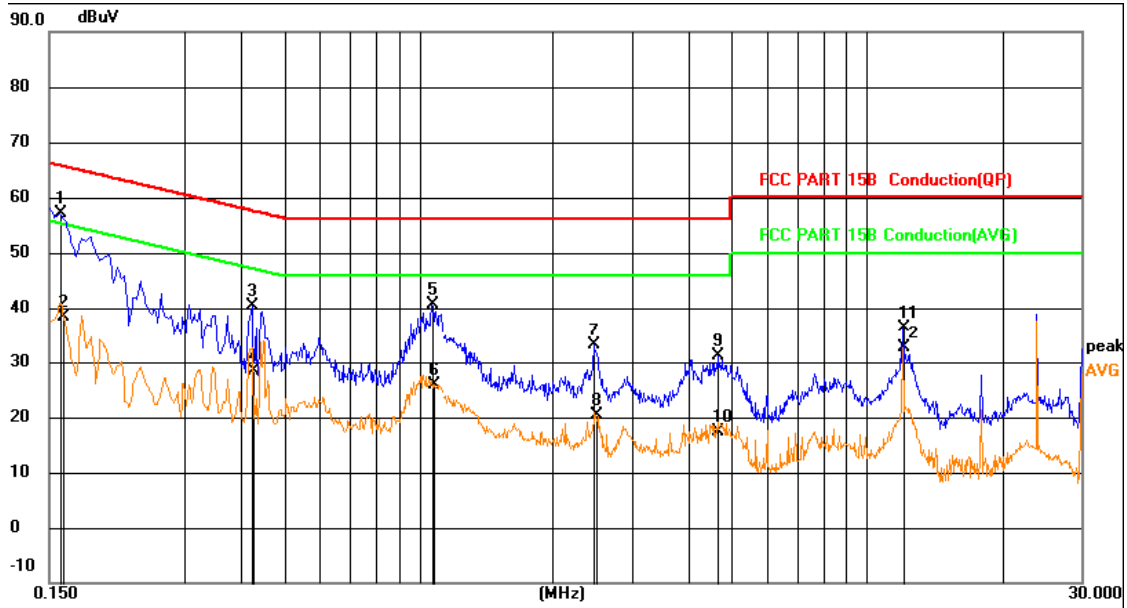
Line



Site LAB Phase: L1 Temperature: 23.3  
 Limit: FCC PART 15B Conduction(QP) Power: AC 120V/60Hz Humidity: 53.7 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1725	35.78	19.16	54.94	64.84	-9.90	QP	
2		0.1731	15.49	19.16	34.65	54.81	-20.16	AVG	
3		1.0230	19.86	19.26	39.12	56.00	-16.88	QP	
4		1.0275	6.65	19.26	25.91	46.00	-20.09	AVG	
5		2.4990	13.51	19.45	32.96	56.00	-23.04	QP	
6		2.5260	0.01	19.45	19.46	46.00	-26.54	AVG	
7		4.6275	8.63	19.49	28.12	56.00	-27.88	QP	
8		4.6680	-1.12	19.49	18.37	46.00	-27.63	AVG	
9		12.0030	16.37	19.86	36.23	60.00	-23.77	QP	
10		12.3045	0.16	19.89	20.05	50.00	-29.95	AVG	
11		24.0045	19.15	20.24	39.39	60.00	-20.61	QP	
12		24.1709	-8.22	20.24	12.02	50.00	-37.98	AVG	

Neutral



Site LAB Phase: **N** Temperature: 23.3  
 Limit: FCC PART 15B Conduction(QP) Power: AC 120V/60Hz Humidity: 53.7 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1590	37.94	19.15	57.09	65.52	-8.43	QP	
2		0.1615	19.19	19.15	38.34	55.39	-17.05	AVG	
3		0.4245	21.06	19.32	40.38	57.36	-16.98	QP	
4		0.4260	9.09	19.32	28.41	47.33	-18.92	AVG	
5		1.0680	21.46	19.26	40.72	56.00	-15.28	QP	
6		1.0770	6.54	19.26	25.80	46.00	-20.20	AVG	
7		2.4675	13.64	19.43	33.07	56.00	-22.93	QP	
8		2.4900	0.90	19.43	20.33	46.00	-25.67	AVG	
9		4.6320	11.55	19.48	31.03	56.00	-24.97	QP	
10		4.6320	-2.07	19.48	17.41	46.00	-28.59	AVG	
11		12.0030	16.49	19.86	36.35	60.00	-23.65	QP	
12		12.0030	12.84	19.86	32.70	50.00	-17.30	AVG	

\*\*\*Note: 1). Pre-scan all modes and recorded the worst case results in this report (RFID in 125kHz).

2). Margin=Reading level + Correct - Limit

## 6. RADIATED EMISSION MEASUREMENT

### 6.1. Standard Applicable

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. 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) and 15.215 limit in the table below has to be followed.

Fundamental Frequency	Field Strength of fundamental (millivolts/meter)	Field Strength of harmonics (microvolts/meter)
902-928MHz	50	500
2400-2483.5MHz	50	500
5725-5875MHz	50	500
24.0-24.25GHz	250	2500

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

### 6.2. Instruments Setting

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

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

## 6.3. Test Procedure

### 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 0.8 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.

## 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:

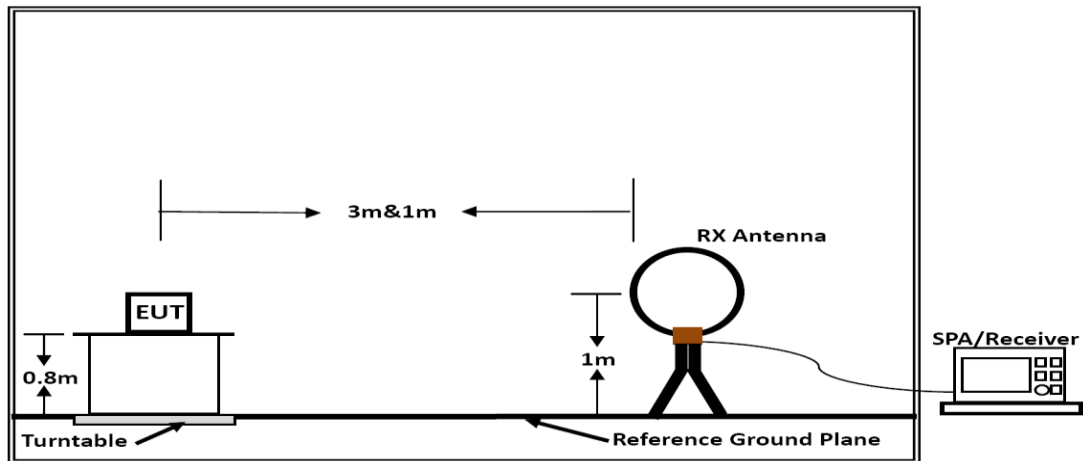
- The turntable rotates from 0° to 315° using 45° steps.
- The antenna is polarized vertical and horizontal.
- The antenna height changes from 1 to 3 meter.
- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.

### Final measurement:

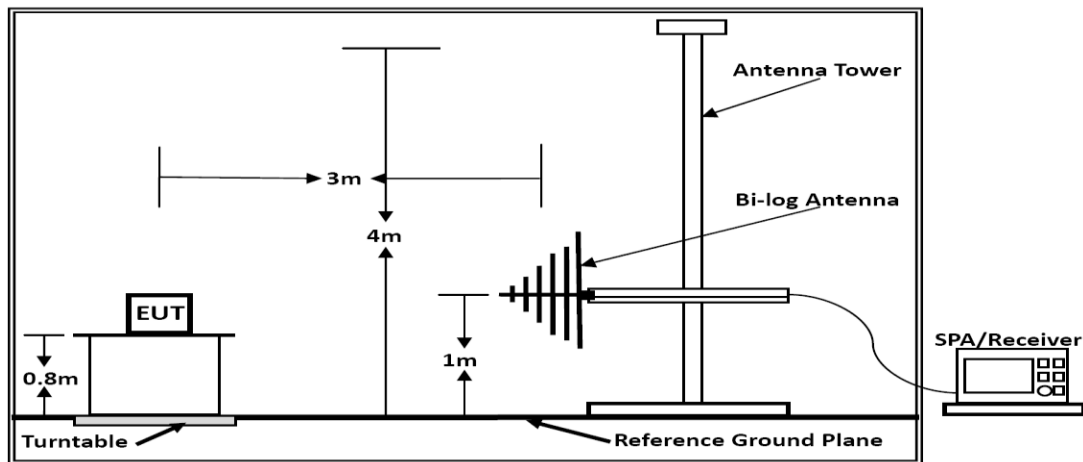
- The final measurement will be performed with minimum the six highest peaks.
- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position ( $\pm 45^\circ$ ) and antenna movement between 1 and 4 meter.
- The final measurement 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.



### 6.4. Block Diagram of Test Setup



**Below 30MHz**

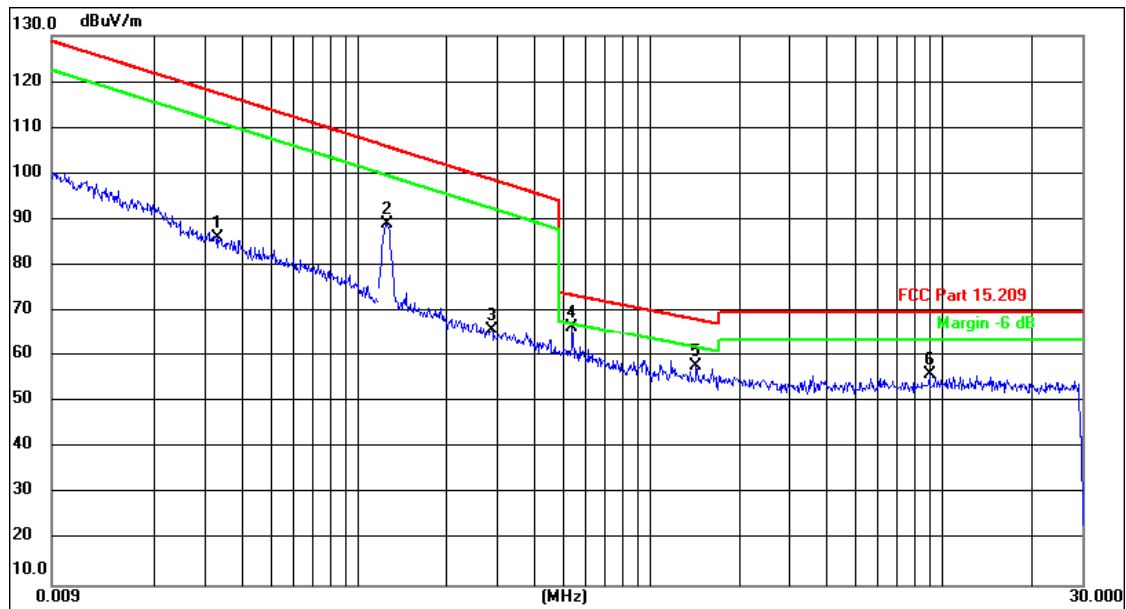


**Below 1GHz**

### 6.5. Test Results

Results of Radiated Emissions (9 kHz~30MHz)

Temperature	24.6°C	Humidity	54.1%
Test Engineer	Kay Hu	Configurations	Transmit



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0332	65.23	20.70	85.93	117.17	-31.24	QP
2	0.1257	68.66	20.47	89.13	105.61	-16.48	QP
3	0.2874	45.64	20.28	65.92	98.43	-32.51	QP
4	0.5411	46.31	20.28	66.59	73.26	-6.67	QP
5	1.4323	37.47	20.26	57.73	67.95	-10.22	QP
6	9.0310	35.84	20.22	56.06	69.50	-13.44	QP

Note:

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

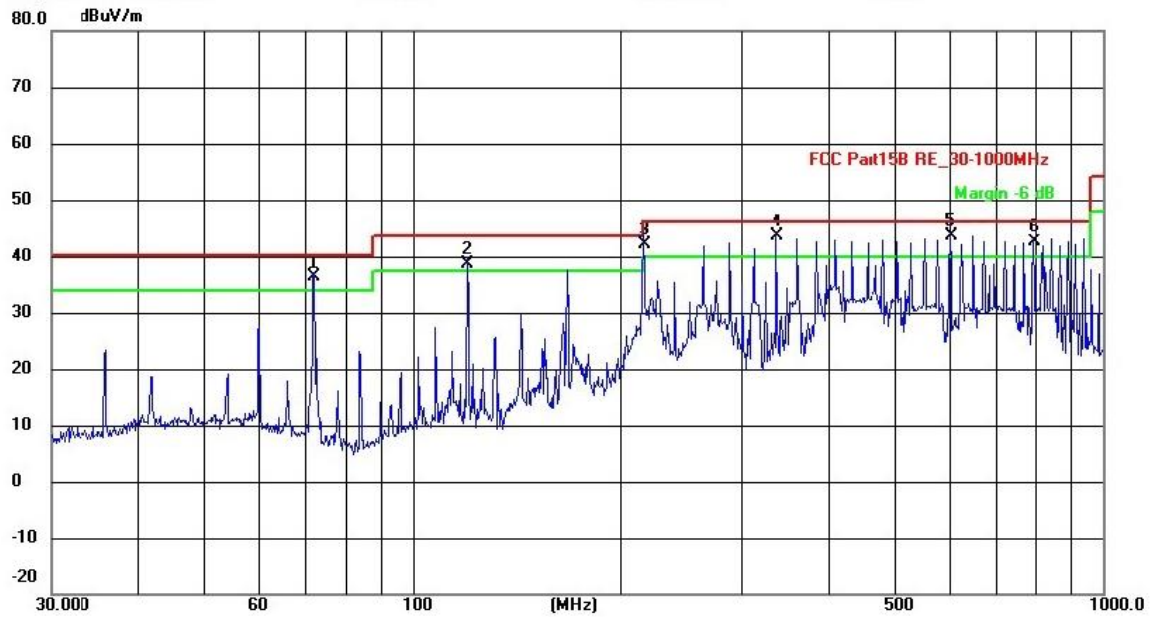
Distance extrapolation factor =  $40 \log(\text{specific distance} / \text{test distance})$  (dB);

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

Measured at both 90 degree and 0 degree, recorded worst case at 90 degree.

Results of Radiated Emissions (30MHz~1GHz)

Horizontal



Site 966 chamber #1

Polarization: **Horizontal**

Temperature: 24.6 (C)

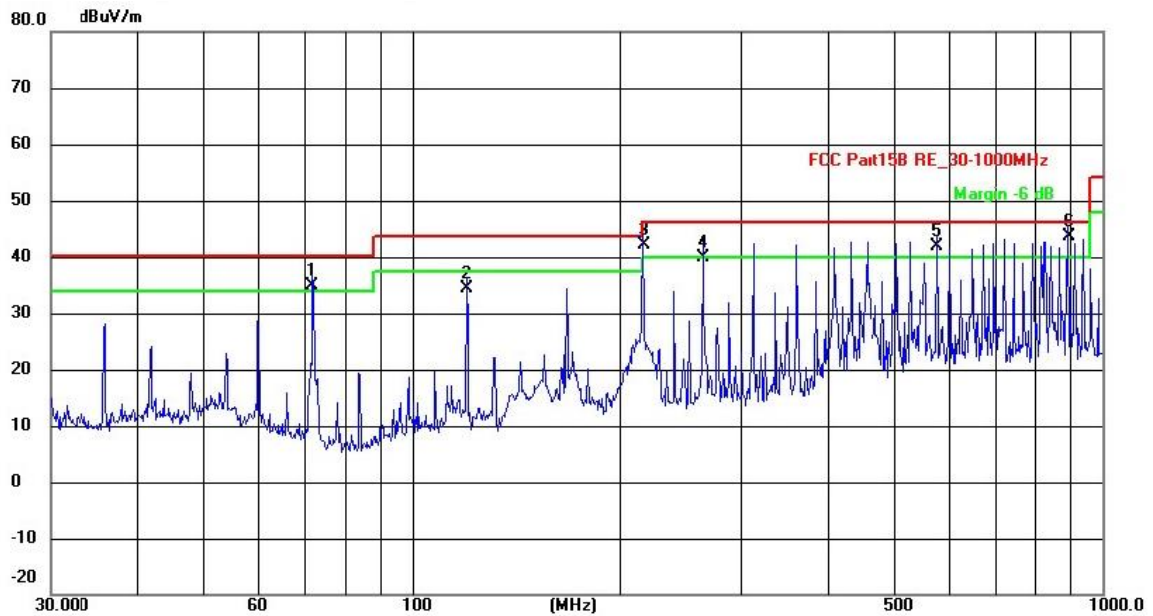
Limit: FCC Part15B RE\_30-1000MHz

Power: AC 120V/60Hz

Humidity: 54.1 %RH

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	72.0843	56.81	-20.21	36.60	40.00	-3.40	QP
2	119.8556	58.12	-19.57	38.55	43.50	-4.95	QP
3	216.0240	63.02	-16.68	45.34	46.00	-2.66	QP
4	336.0352	61.56	-13.74	45.82	46.00	-2.18	QP
5	601.4265	56.08	-8.28	45.80	46.00	-2.20	QP
6	793.3960	53.74	-7.11	44.63	46.00	-3.37	QP

Vertical



Site 966 chamber #1

Polarization: **Vertical**

Temperature: 24.6 (C)

Limit: FCC Part15B RE\_30-1000MHz

Power: AC 120V/60Hz

Humidity: 54.1 %RH

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	71.8320	55.06	-20.16	34.90	40.00	-5.10	QP
2	119.8556	54.07	-19.57	34.50	43.50	-9.00	QP
3	216.0240	60.25	-16.68	43.57	46.00	-2.43	QP
4	263.8190	55.32	-15.32	40.00	46.00	-6.00	QP
5	576.6443	50.93	-8.93	42.00	46.00	-4.00	QP
6	890.7278	49.41	-5.89	43.52	46.00	-2.48	QP

Note:

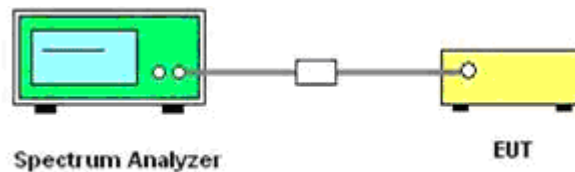
- 1). Pre-scan all modes and recorded the worst case results in this report.
- 2). Emission level (dBuV/m) = 20 log Emission level (uV/m).
- 3). Corrected Reading: Antenna Factor + Cable Loss + Read Level = Level.

## 7. 99% and 20dB Bandwidth Measurement

### 7.1. Standard Applicable

According to §15.215, device 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.

### 7.2. Block Diagram of Test Setup



### 7.3. Test Procedure

Use the following spectrum analyzer settings:

Span = 5 KHz

RBW = 1 KHz

VBW = 3 KHz

Sweep = auto

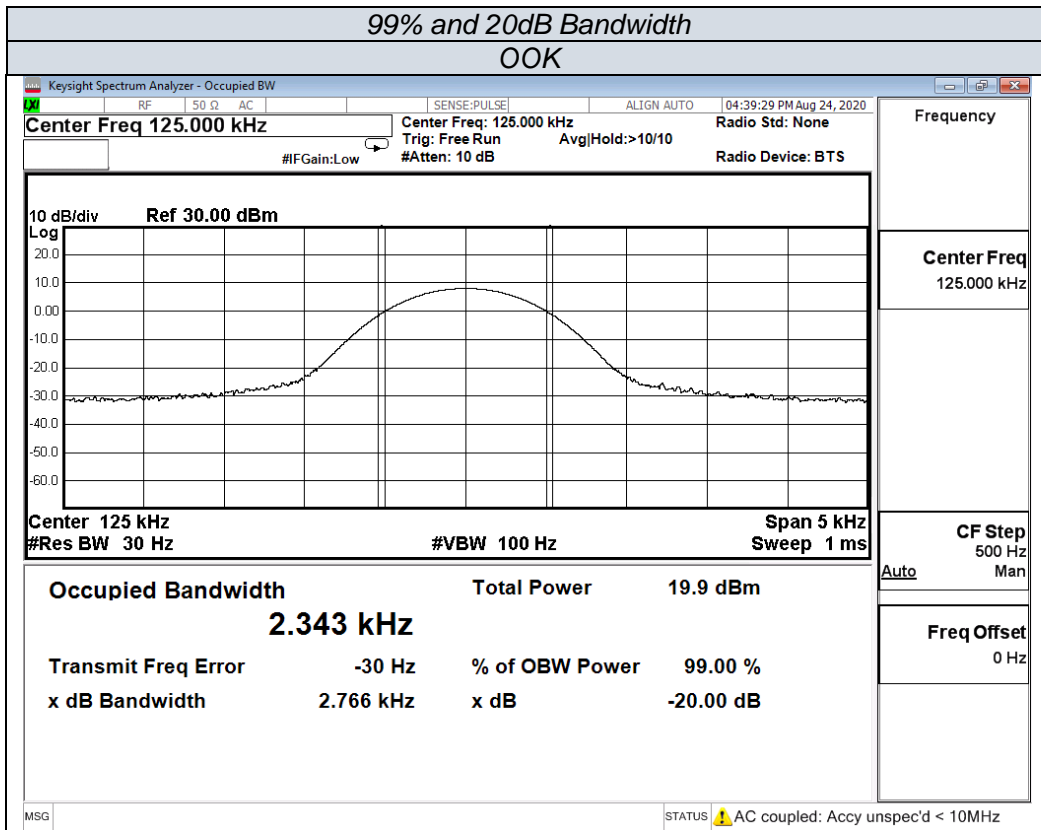
Detector function = peak

Trace = max hold

The EUT should be transmitting at its maximum data rate. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure 20 dB down one side of the emission. Reset the marker-delta function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is the 20 dB bandwidth of the emission. If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s).

### 7.4. Test Results

99% and 20dB Bandwidth Measurement			
Test Frequency (KHz)	99% Occupied Bandwidth (KHz)	20dB Bandwidth (Hz)	Limit (KHz)
125	2.343	2.766	No Limit



## 8. Antenna Requirements

### 8.1 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.

### 8.2 Antenna Connected Construction

#### 8.2.1. 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.

#### 8.2.2. Antenna Connector Construction

The antenna gain used for transmitting is 0dBi, the antenna is an coil antenna connect to PCB board and no consideration of replacement. Please see EUT photo for details.

### 8.3. Results: Compliance.

## 9. LIST OF MEASURING EQUIPMENTS

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Power Meter	R&S	NRVS	100444	2020-06-11	2021-06-10
2	Power Sensor	R&S	NRV-Z81	100458	2020-06-11	2021-06-10
3	Power Sensor	R&S	NRV-Z32	10057	2020-06-11	2021-06-10
4	Test Software	Tonscend	JS1120-2	/	N/A	N/A
5	RF Control Unit	Tonscend	JS0806-2	N/A	2020-06-11	2021-06-10
6	MXA Signal Analyzer	Agilent	N9020A	MY50510140	2019-11-22	2020-11-21
7	DC Power Supply	Agilent	E3642A	N/A	2019-11-14	2020-11-13
8	EMI Test Software	AUDIX	E3	/	N/A	N/A
9	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2020-06-11	2021-06-10
10	Positioning Controller	MF	MF-7082	N/A	2020-06-11	2021-06-10
11	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2018-07-26	2021-07-25
12	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2018-07-26	2021-07-25
13	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2018-07-02	2021-07-01
14	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2017-09-21	2020-09-20
15	Broadband Preamplifier	SCHWARZBECK	BBV 9719	9719-025	2020-06-11	2021-06-10
16	EMI Test Receiver	R&S	ESR 7	101181	2020-06-11	2021-06-10
17	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2019-11-14	2020-11-13
18	Broadband Preamplifier	/	BP-01M18G	P190501	2020-06-11	2021-06-10
19	RF Cable-R03m	Jye Bao	RG142	CB021	2020-06-11	2021-06-10
20	RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	2020-06-11	2021-06-10
21	6dB Attenuator	/	100W/6dB	1172040	2020-06-11	2021-06-10
22	3dB Attenuator	/	2N-3dB	/	2020-06-11	2021-06-10
23	EMI Test Receiver	R&S	ESPI	101840	2020-06-11	2021-06-10
24	Artificial Mains	R&S	ENV216	101288	2020-06-11	2021-06-10
25	10dB Attenuator	SCHWARZBECK	MTS-IMP-136	261115-001-0032	2020-06-11	2021-06-10

Note: All equipment is calibrated through CHINA CEPREI LABORATORY and GUANGZHOU LISAI CALIBRATION AND TEST CO., LTD.



## **10. TEST SETUP PHOTOGRAPHS OF EUT**

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

## **11. EXTERIOR PHOTOGRAPHS OF THE EUT**

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

## **12. INTERIOR PHOTOGRAPHS OF THE EUT**

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

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