



# KSIGN (Guangdong) Testing Co., Ltd.

West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park,  
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## TEST REPORT

**Report No.** ..... : **KS2011S02029E**

**FCC ID**.....: **2ABUP-FT12W09**

**Applicant**.....: Shenzhen Funpower General Technology Co., Ltd.

**Address**.....: Room 201B,Habor Venture Building, No.1041 Houhai Avenue,  
Shekou,Nanshan District,Shenzhen City, PRC.

**Manufacturer**.....: Shenzhen Funpower General Technology Co., Ltd.

**Address**.....: Room 201B,Habor Venture Building, No.1041 Houhai Avenue,  
Shekou,Nanshan District,Shenzhen City,PRC.

**Product Name** ..... : **In Wall Transmitter**

**Trade Mark** .....: N/A

**Model/Type reference**.....: FT12W09

**Listed Model(s)** .....: N/A

**Standard** ..... : **FCC CFR Title 47 Part 15 Subpart C Section 15.231**

**Date of Receipt**.....: Nov. 18, 2020

**Date of Test Date**.....: Nov. 19, 2020- Dec.05, 2020

**Date of issue**.....: Dec.05, 2020

**Test result**..... : **Pass**

Compiled by:  
(Printed name+signature) Rory Huang

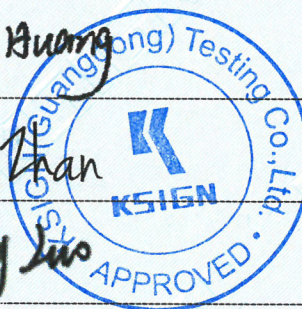
*Rory Huang*

Supervised by:  
(Printed name+signature) Eder Zhan

*Eder Zhan*

Approved by:  
(Printed name+signature) Cary Luo

*Cary Luo*



**Testing Laboratory Name** ..... : **KSIGN(Guangdong) Testing Co., Ltd.**

**Address**.....: West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu  
Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen,  
Guangdong, People's Republic of China

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## 1. TEST SUMMARY

### 1.1. Test Standards

The tests were performed according to following standards:

**FCC Rules Part 15.231:** Periodic operation in the band 40.66–40.70 MHz and above 70 MHz.

**ANSI C63.10-2013:** American National Standard for Testing Unlicensed Wireless Devices.

### 1.2. Report version

Revised No.	Date of issue	Description
01	Dec.05, 2020	Original

### 1.3. Test Description

FCC Rules Part 15.231			
Test Item	Standard Section	Result	Test Engineer
	FCC		
Antenna requirement	15.203	Pass	Rory Huang
Conducted Emissions	15.207	Pass	Rory Huang
Radiated Spurious Emissions	15.209(a)/15.231(b)	Pass	Rory Huang
Deactivation Time	15.231(a)(1)	Pass	Rory Huang
Duty Cycle	15.231	Pass	Rory Huang
Occupied Bandwidth	15.231(c)	Pass	Rory Huang

Note: 1. The measurement uncertainty is not included in the test result.

2.N/A: means this test item is not applicable

## 1.4. Test Facility

### Address of the report laboratory

#### **KSIGN(Guangdong) Testing Co., Ltd.**

West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, People's Republic of China

### Laboratory accreditation

The test facility is recognized, certified, or accredited by the following organizations:

#### **CNAS-Lab Code: L13261**

KSIGN(Guangdong) Testing Co., Ltd. has been assessed and proved to be in Compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC17025: 2017 General Requirements) for the Competence of Testing and Calibration Laboratories.

#### **A2LA-Lab Cert. No.: 5457.01**

KSIGN(Guangdong) Testing Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

#### **IC Registration No.: CN0096**

The 3m alternate test site of KSIGN(Guangdong) Testing Co., Ltd. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: CN0096

#### **FCC-Registration No.: CN1272**

KSIGN(Guangdong) Testing Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

### 1.5. 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 TR-100028-01” Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 1” and TR-100028-02 “Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 2 “ and is documented in the KSIGN(Guangdong) Testing Co., Ltd. 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. Below is the best measurement capability for KSIGN(Guangdong) Testing Co., Ltd.

Test Items	Measurement Uncertainty	Notes
Transmitter power conducted	0.42 dB	(1)
Transmitter power Radiated	2.14 dB	(1)
Conducted spurious emissions 9kHz~40GHz	1.60 dB	(1)
Radiated spurious emissions 9kHz~40GHz	2.20 dB	(1)
Conducted Emissions 9kHz~30MHz	3.20 dB	(1)
Radiated Emissions 30~1000MHz	4.70 dB	(1)
Radiated Emissions 1~18GHz	5.00 dB	(1)
Radiated Emissions 18~40GHz	5.54 dB	(1)
Occupied Bandwidth	2.80 dB	(1)

**Note (1):** This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

### 1.6. Environmental conditions

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

Temperature:	15~35°C
Relative Humidity:	30~60 %
Air Pressure:	950~1050mba

## 2. GENERAL INFORMATION

### 2.1. Client Information

Applicant:	Shenzhen Funpower General Technology Co., Ltd.
Address:	Room 201B,Habor Venture Building, No.1041 Houhai Avenue, Shekou,Nanshan District,Shenzhen City,PRC.
Manufacturer:	Shenzhen Funpower General Technology Co., Ltd.
Address:	Room 201B,Habor Venture Building, No.1041 Houhai Avenue, Shekou,Nanshan District,Shenzhen City,PRC.

### 2.2. General Description of EUT

Test Sample Number:	1-1-1(Normal Sample),1-1-2(Engineering Sample )
Product Name:	In Wall Transmitter
Model/Type reference:	FT12W09
Trademark:	N/A
Listed models:	N/A
Model Difference:	N/A
Power supply:	AC 120V/60Hz
Power supply(Battery):	N/A
Hardware version:	V1.0
Software version:	V1.0
<b>RF Specification</b>	
Operation frequency:	433.92MHz
Modulation Type:	ASK
Modulation connector:	<input checked="" type="checkbox"/> Without external <input type="checkbox"/> External
Occupied bandwidth	>25KHz
Product type:	<input checked="" type="checkbox"/> Wideband deceive <input type="checkbox"/> Narrowband deceive
Channel number:	1
Antenna type:	PCB antenna
Antenna gain:	0dBi

### 2.3. Test Mode

The EUT was operated at continuous transmitting mode that was for the purpose of the measurements. All testing shall be performed under maximum output power condition, and to measure its highest possible emissions level, more detailed description as follows:

Test Mode	Description	Remark
1	TX	AC 120V/60Hz

## 2.4. Measurement Instruments List

Tonscend JS0806-2 Test system					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
1	Spectrum Analyzer	R&S	FSV40-N	101798	04/07/2021
2	Vector Signal Generator	Agilent	N5182A	MY50142520	04/07/2021
3	Analog Signal Generator	HP	83752A	3344A00337	04/07/2021
4	Power Sensor	Agilent	E9304A	MY50390009	04/07/2021
5	Power Sensor	Agilent	E9300A	MY41498315	04/07/2021
6	Wideband Radio Communication Tester	R&S	CMW500	157282	04/07/2021
7	Climate Chamber	Angul	AGNH80L	1903042120	04/07/2021
8	Dual Output DC Power Supply	Agilent	E3646A	MY40009992	04/07/2021
9	RF Control Unit	Tonscend	JS0806-2	/	04/07/2021

Transmitter spurious emissions & Receiver spurious emissions					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
1	EMI Test Receiver	R&S	ESR	102525	04/07/2021
2	High Pass Filter	Chengdu E-Microwave	OHF-3-18-S	0E01901038	03/27/2021
3	High Pass Filter	Chengdu E-Microwave	OHF-6.5-18-S	0E01901039	03/27/2021
4	Spectrum Analyzer	HP	8593E	3831U02087	04/07/2021
5	Ultra-Broadband logarithmic period Antenna	Schwarzbeck	VULB 9163	01230	03/29/2023
6	Loop Antenna	Beijin ZHINAN	ZN30900C	18050	03/25/2021
7	Spectrum Analyzer	R&S	FSV40-N	101798	04/07/2021
8	Horn Antenna	Schwarzbeck	BBHA 9120 D	2023	03/29/2023
9	Pre-Amplifier	Schwarzbeck	BBV 9745	9745#129	04/07/2021
10	Pre-Amplifier	EMCI	EMC051835SE	980662	04/07/2021

Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
1	LISN	R&S	ENV432	1326.6105.02	03/27/2021
2	EMI Test Receiver	R&S	ESR	102524	04/07/2021
3	Manual RF Switch	JS TOYO	/	MSW-01/002	04/07/2021

Note:

1)The Cal. Interval was one year.

2)The cable loss has calculated in test result which connection between each test instruments.

## 2.5. Test Software

Software name	Model	Version
Conducted emission Measurement Software	EZ-EMC	EMC-Con 3A1.1
Radiated emission Measurement Software	EZ-EMC	FA-03A.2.RE
Bluetooth and WIFI Test System	JS1120-3	2.5.77.0418



### 3. TEST ITEM AND RESULTS

#### 3.1. Antenna requirement

##### Requirement

##### **FCC CFR Title 47 Part 15 Subpart C Section 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, 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.

##### Test Result

The directional gain of the antenna less than 6dBi, please refer to the EUT internal photographs antenna photo.

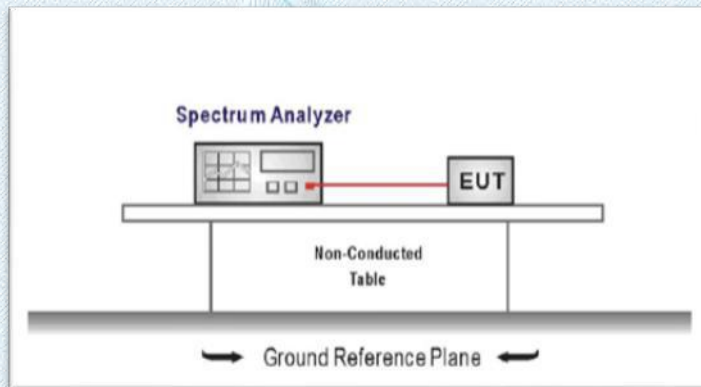
Note: The antenna is permanently fixed to the EUT

### 3.2. Occupied Bandwidth

#### Limit

The bandwidth of the emission shall be no wider than 0.25% of the center frequency

#### Test Configuration



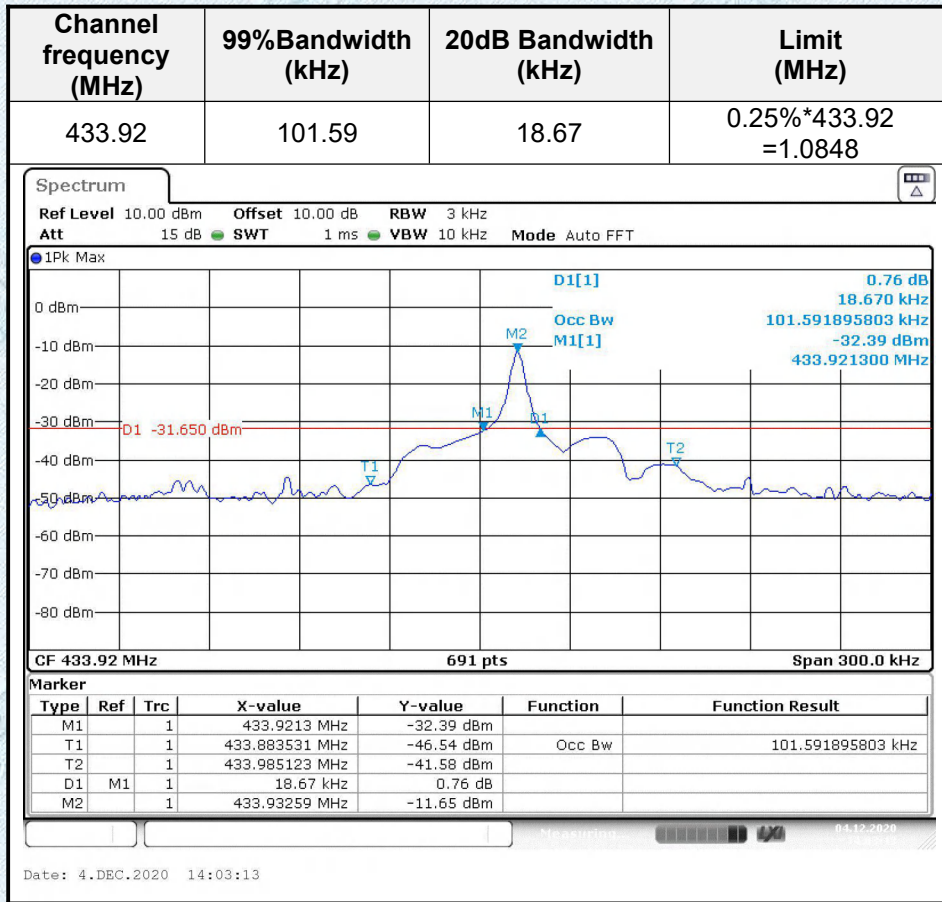
#### Test Procedure

1. The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit continuously
3. Use the following spectrum analyzer settings:  
 Span = approximately 2 to 3 times the 99% bandwidth, centered on a operation channel  
 RBW  $\geq$  1% of the 20 dB bandwidth, VBW  $\geq$  RBW  
 Sweep = auto, Detector function = peak, Trace = max hold
4. Measure and record the results in the test report.

#### Test Mode

Please refer to the clause 2.3.

#### Test Results

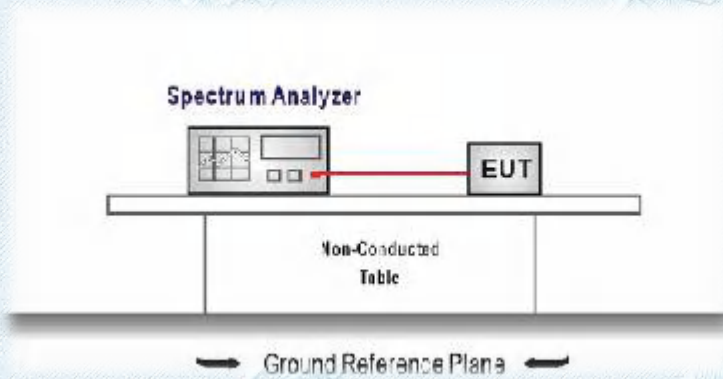


### 3.3. Deactivation Time

#### Limit

A manually operated transmitter shall employ a switch that will auto-matically deactivate the transmitter within not more than 5 seconds of being released.

#### Test Configuration



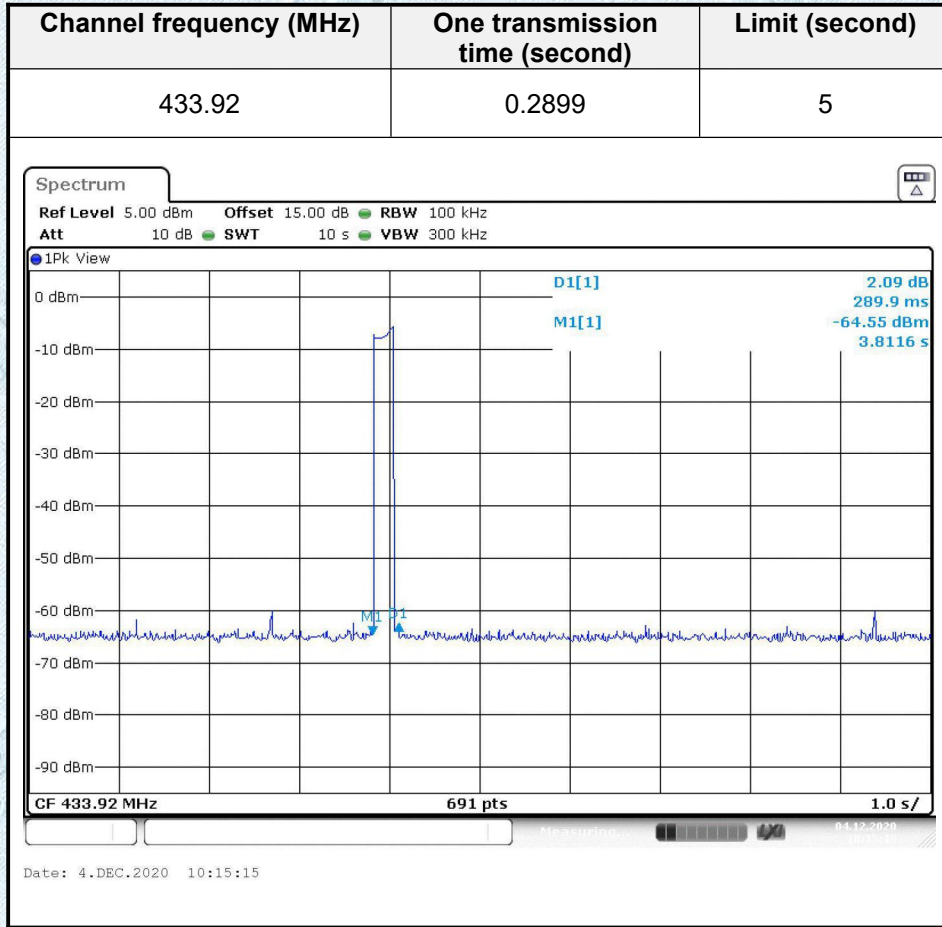
#### Test Procedure

1. The transmitter output was connected to the spectrum analyzer through an attenuator, the path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit continuously
3. Use the following spectrum analyzer settings:  
 Frequency=Center carrier frequency  
 RBW=100KHz, VBW=300KHz, Span= 0,  
 Sweep time= 10 second, Detector function = peak, Trace = single
4. Measure and record the results in the test report.

#### Test Mode

Please refer to the clause 2.3.

#### Test Results

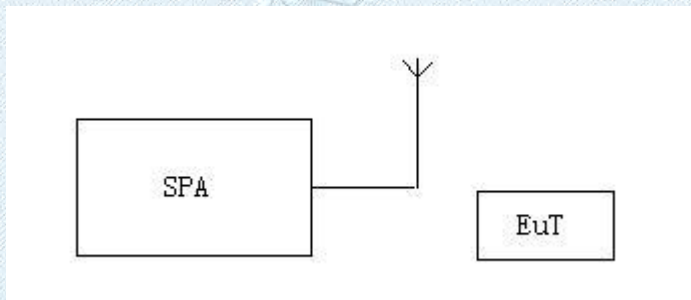


### 3.4. Duty Cycle Correction factor

#### Test Procedure

1. Set the parameters of SPA as below:  
Centre frequency = Operation Frequency  
RBW=100KHz; VBW=300KHz  
Span: 0Hz  
Sweep time: more than two pulse trains or more than each type of pulse occupancy time
2. Set the EUT to transmit by manually operated. Use the "Delta mark" function of SPA to find the period time between two pulse trains and each type of pulse occupancy time.
3. Record the plots and Reported.

#### Test Configuration

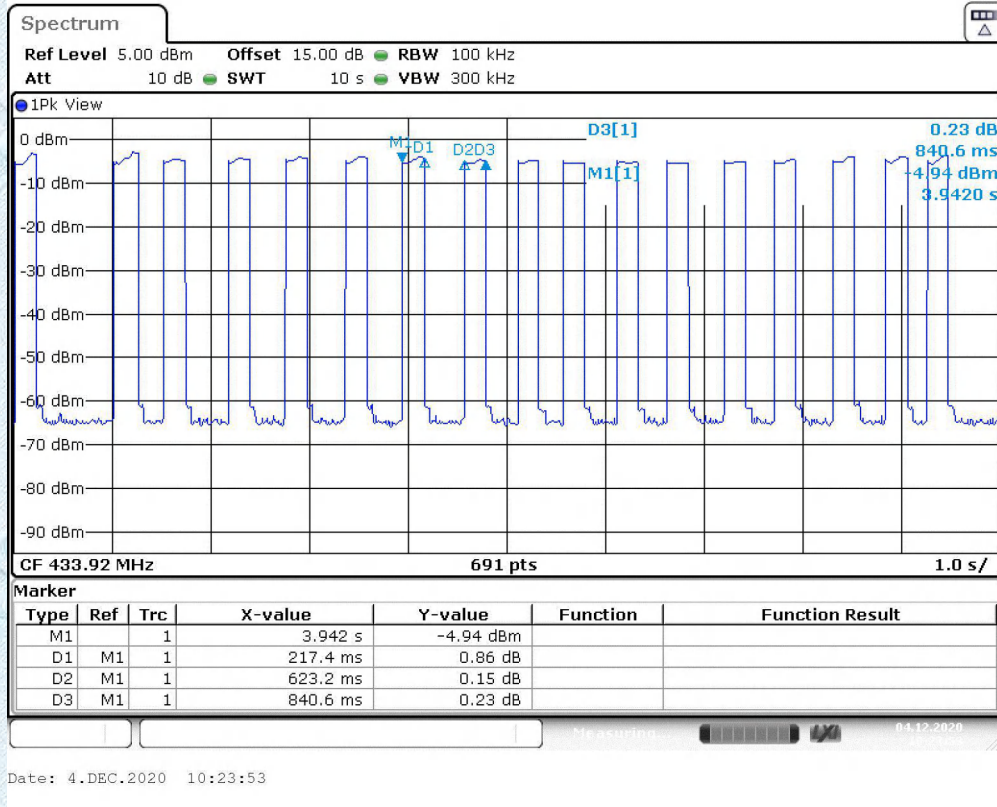


#### Test Mode

Please refer to the clause 2.3.

#### Test Results

$T_{on} (s)$	$T_{on}+T_{off} (s)$
$0.2174 \times 17 = 3.70$	10
Duty cycle factor (dB) = $20 \log (T_{on} / (T_{on} + T_{off})) (dB) = -8.64 (dB)$	



### 3.5. Spurious Emission (radiated)

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.209

Radiated Emission Limits (9 kHz~1000 MHz)

Frequency (MHz)	Field Strength (microvolt/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

**FCC CFR Title 47 Part 15 Subpart C Section 15.213(b)**

The field strength of emissions from intentional radiators operated **average value** under this section shall not exceed the following

Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)
260 - 470 MHz	3,750 to 12,500 **	375 to 1,250 **

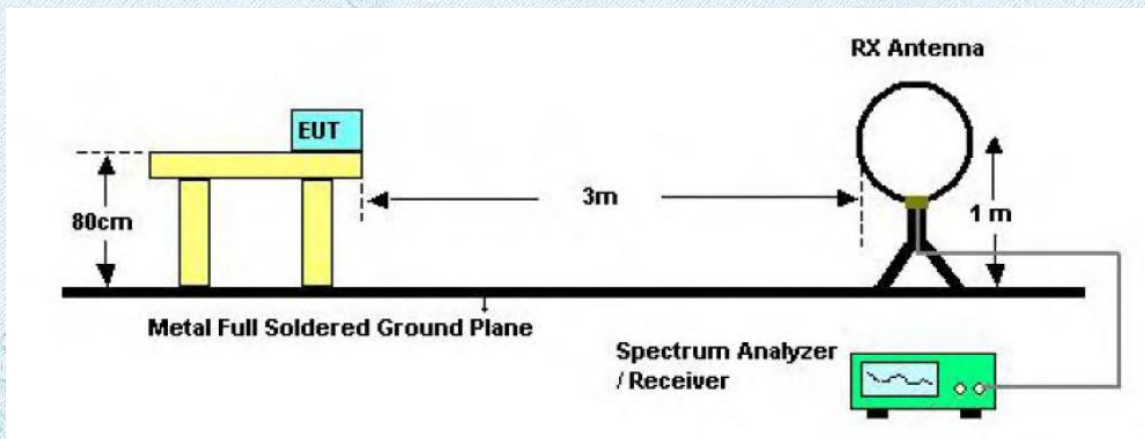
\*\* linear interpolations

F is 433.92MHz

Field strength of fundamental:  $\mu$  V/m at 3 meters = 41.6667(F) - 7083.3420

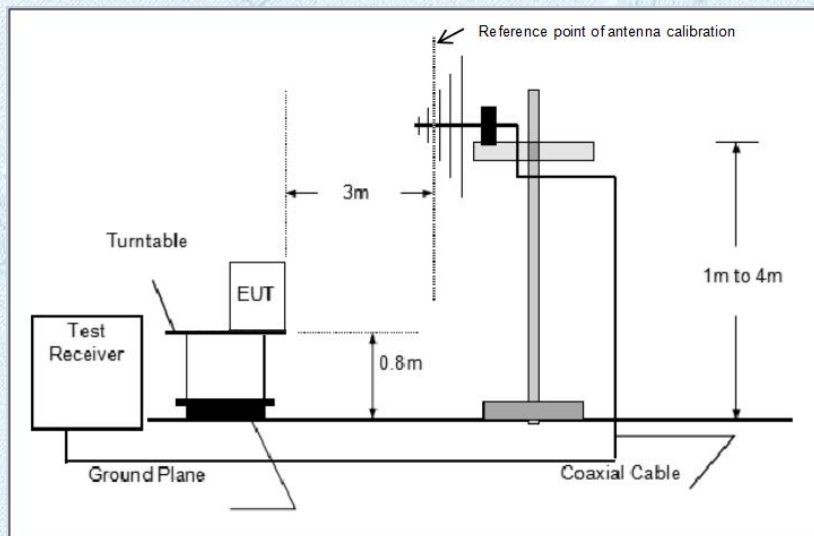
Field strength of harmonics:  $\mu$  V/m at 3 meters = 4.16667(F) - 708.3342

Test Configuration

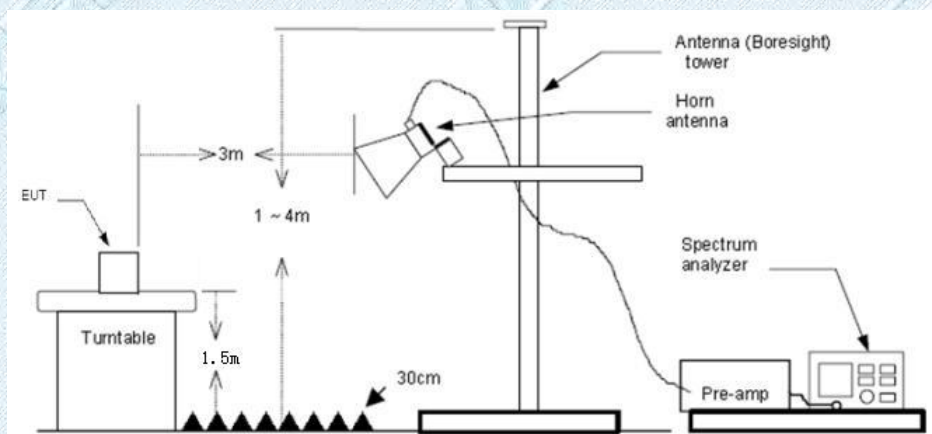


Below 30MHz Test Setup





Below 1000MHz Test Setup



Above 1GHz Test Setup

### Test Procedure

1. The EUT was setup and tested according to ANSI C63.10:2013
2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. Use the following spectrum analyzer settings
  - (1) Span shall wide enough to fully capture the emission being measured;
  - (2) Below 1 GHz:  
RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold;  
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.
  - (3) From 1 GHz to 10<sup>th</sup> harmonic:  
RBW=1MHz, VBW=3MHz Peak detector for Peak value.  
RBW=1MHz, VBW=10Hz Peak detector for Average value.

**Test Mode**

Please refer to the clause 2.3.

**Test Result****9 KHz~30 MHz , 30MHz-1GHz and 1GHz~5GHz**

From 9 KHz~30 MHz, 30MHz-1GHz and 1GHz~5GHz: Conclusion: PASS

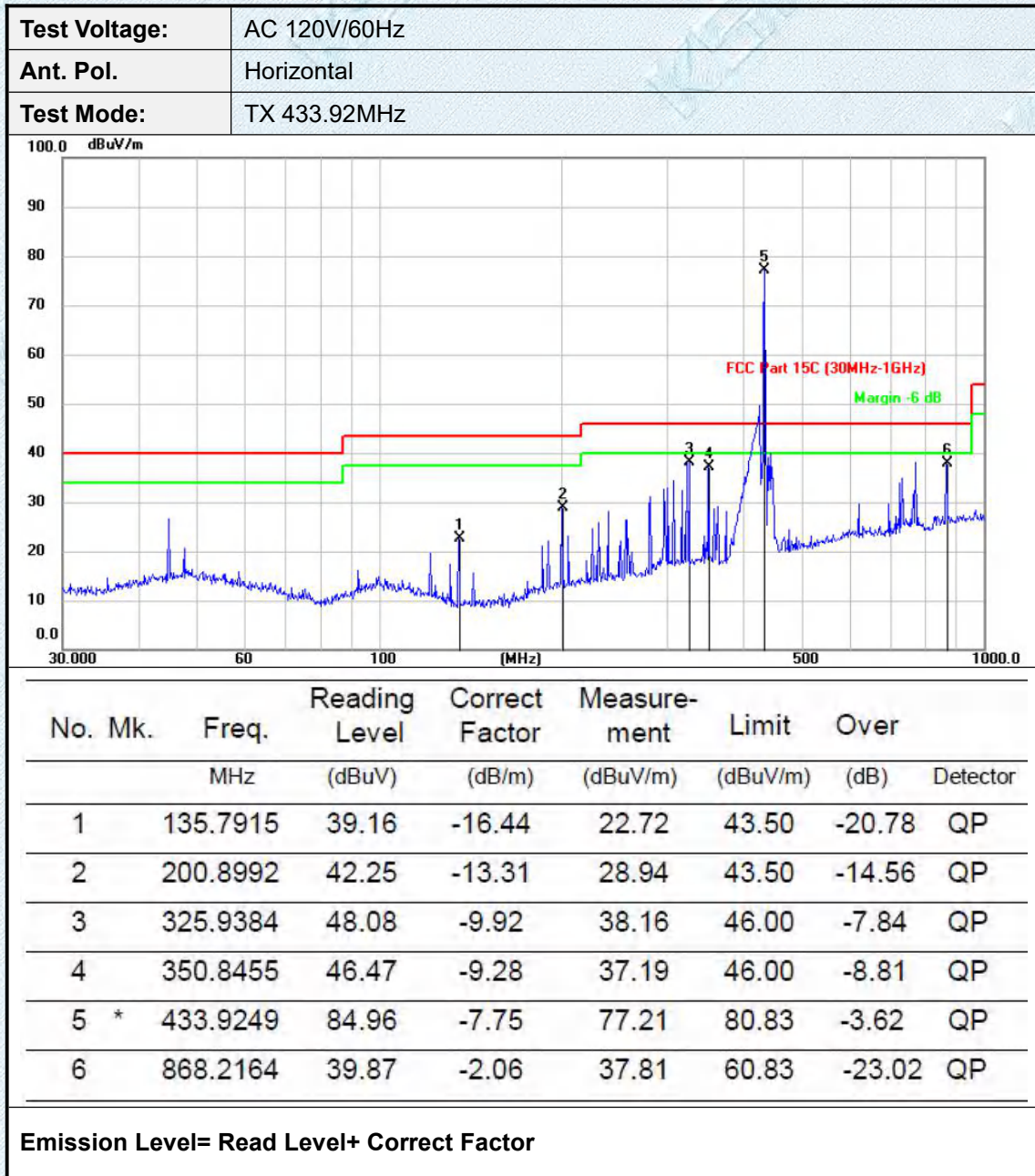
Note:

- 1) Final level = Reading level + Correct Factor  
Correct Factor=Antenna Factor + Cable Loss -Preamplifier Factor
- 2) The emission levels of other frequencies are very lower than the limit and not show in test report.
- 3) The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

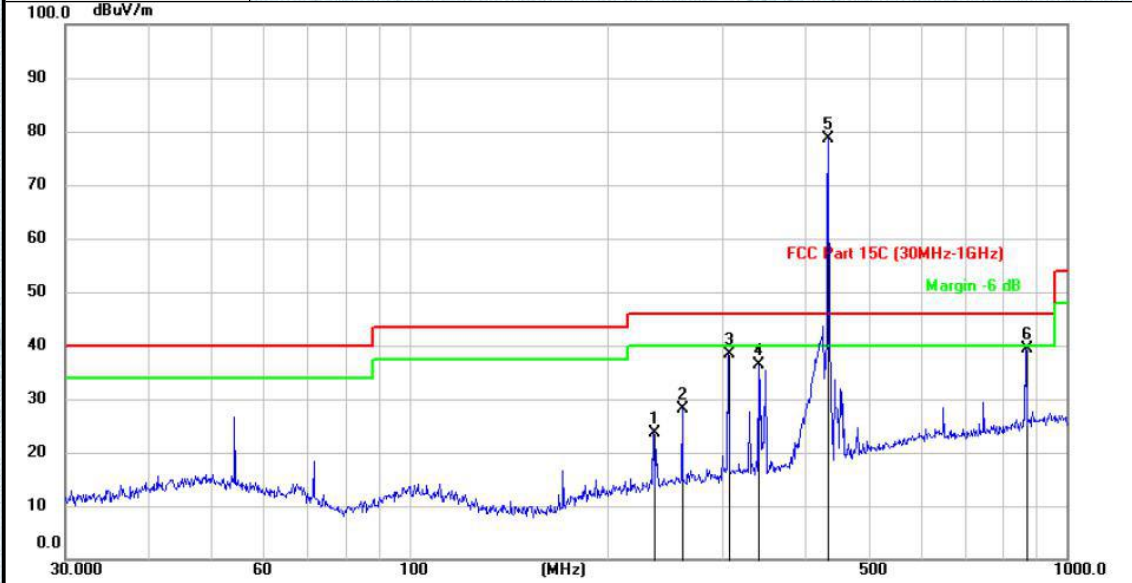
**RADIATED EMISSION BELOW 30MHZ**

No emission found between lowest internal used/generated frequencies to 30MHz.

■ 30MHz~ 1000MHz



<b>Test Voltage:</b>	AC 120V/60Hz
<b>Ant. Pol.</b>	Vertical
<b>Test Mode:</b>	TX 433.92MHz



No.	Mk.	Freq. MHz	Reading Level (dBuV)	Correct Factor (dB/m)	Measure- ment (dBuV/m)	Limit (dBuV/m)	Over (dB)	Detector
1		235.4858	35.50	-11.91	23.59	46.00	-22.41	QP
2		260.4181	39.19	-11.17	28.02	46.00	-17.98	QP
3		306.6460	48.72	-10.41	38.31	46.00	-7.69	QP
4		339.7078	45.83	-9.56	36.27	46.00	-9.73	QP
5	*	433.9249	86.35	-7.75	78.60	80.83	-2.23	QP
6		868.2164	41.52	-2.06	39.46	60.83	-21.73	QP

**Emission Level= Read Level+ Correct Factor**

Correct Factor=Antenna Factor + Cable Loss -Preamplifier Factor

Field Strength of Fundamental, Harmonic

Frequency (MHz)	Peak Level (dBuV/m)	Peak Level Limit (dBuV/m)	Margin (dB)	Polarization
433.9200	78.60	100.83	-22.23	Vertical
868.2164	39.46	80.83	-50.01	Vertical
433.9200	77.21	100.83	-23.62	Horizontal
868.2164	37.81	80.83	-51.66	Horizontal

Frequency (MHz)	Peak Level (dBuV/m)	Duty cycle factor (dB)	AV Level (dBuV/m)	AV Level Limit (dBuV/m)	Margin (dB)	Polarization
433.9200	78.60	-8.64	69.96	80.83	-10.87	Vertical
868.2164	39.46	-8.64	30.82	60.83	-30.01	Vertical
433.9200	77.21	-8.64	68.57	80.83	-12.26	Horizontal
868.2164	37.81	-8.64	29.17	60.83	-31.66	Horizontal

Note:

Duty cycle factor =  $20 \log(\text{Duty cycle})$ , Duty cycle =  $T_{on} / (T_{on} + T_{off})$

AV Level = Peak Level + Duty cycle factor

■ 1GHz~ 5GHz

Field Strength of Harmonic

Test Channel				433.92MHz			
Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Final level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization	Test value
2169.656	63.321	-10.198	53.123	80.83	-27.707	Vertical	Peak
2603.750	65.002	-10.550	54.452	80.83	-26.378	Vertical	
3471.761	51.945	-9.183	42.762	80.83	-38.068	Vertical	
2170.035	65.267	-10.298	54.969	80.83	-25.861	Horizontal	
2604.185	70.751	-9.935	60.816	80.83	-20.014	Horizontal	
3471.853	59.471	-9.096	50.375	80.83	-30.455	Horizontal	

Correct Factor=Antenna Factor + Cable Loss -Preamplifier Factor

Frequency (MHz)	Peak Level (dBuV/m)	Duty cycle factor	AV Level (dBuV/m)	FCC Limit (dBuV/m)	Margin (dB)	Polarization
2169.656	53.123	-8.64	44.483	60.83	-16.347	Vertical
2603.750	54.452	-8.64	45.812	60.83	-15.018	Vertical
3471.761	42.762	-8.64	34.122	60.83	-26.708	Vertical
2170.035	54.969	-8.64	46.329	60.83	-14.501	Horizontal
2604.185	60.816	-8.64	52.176	60.83	-8.654	Horizontal
3471.853	50.375	-8.64	41.735	60.83	-19.095	Horizontal

Spurious Emission

Test Channel				433.92MHz			
Frequency (MHz)	Reading Level (dBuV/m)	Correct Factor (dB)	Final level (dBuV/m)	Limit Line (dBuV/m)	Margin (dB)	Polarization	Test value
1302.281	62.941	-11.110	51.831	74.00	-22.169	Vertical	Peak
1736.440	53.290	-10.908	42.382	74.00	-31.618	Vertical	
3038.012	55.669	-9.895	45.774	74.00	-28.226	Vertical	
1302.344	71.431	-11.451	59.98	74.00	-14.02	Horizontal	
1736.032	57.550	-10.692	46.858	74.00	-27.142	Horizontal	
3037.733	60.929	-9.944	50.985	74.00	-23.015	Horizontal	

Correct Factor=Antenna Factor + Cable Loss -Preamplifier Factor

Frequency (MHz)	Peak Level (dBuV/m)	Duty cycle factor	AV Level (dBuV/m)	FCC Limit (dBμV/m)	Margin (dB)	Polarization
1302.281	51.831	-8.64	43.191	54.00	-10.809	Vertical
1736.440	42.382	-8.64	33.742	54.00	-20.258	Vertical
3038.012	45.774	-8.64	37.134	54.00	-16.866	Vertical
1302.344	49.98	-8.64	41.34	54.00	-12.66	Horizontal
1736.032	46.858	-8.64	38.218	54.00	-15.782	Horizontal
3037.733	50.985	-8.64	42.345	54.00	-11.655	Horizontal

Note:

Duty cycle factor = 20log (Duty cycle), Duty cycle = Ton / (Ton + Toff)

AV Level=Peak Level +Duty cycle factor

### 3.6. Conducted Emission

**Limit**

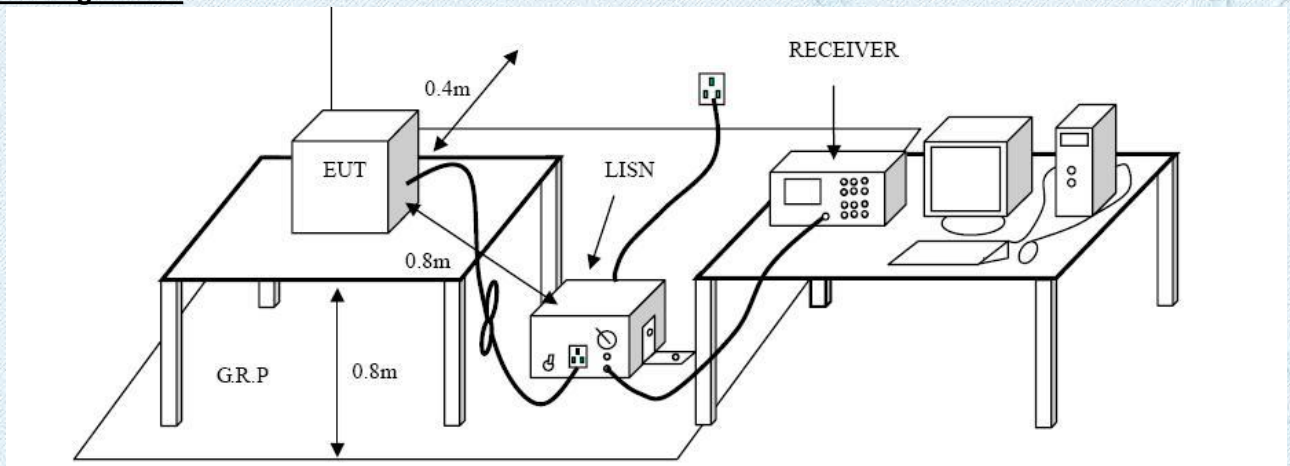
**Conducted Emission Test Limit**

Frequency	Maximum RF Line Voltage (dB $\mu$ V)	
	Quasi-peak Level	Average Level
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
500kHz~5MHz	56	46
5MHz~30MHz	60	50

Notes:

- (1) \*Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

**Test Configuration**



**Test Procedure**

1. The EUT was setup according to ANSI C63.10:2013 requirements.
2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
3. The EUT and simulators are connected to the main power through a line impedances stabilization network (LISN). The LISN provides a 50ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
4. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
5. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
6. Conducted Emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
7. During the above scans, the emissions were maximized by cable manipulation.

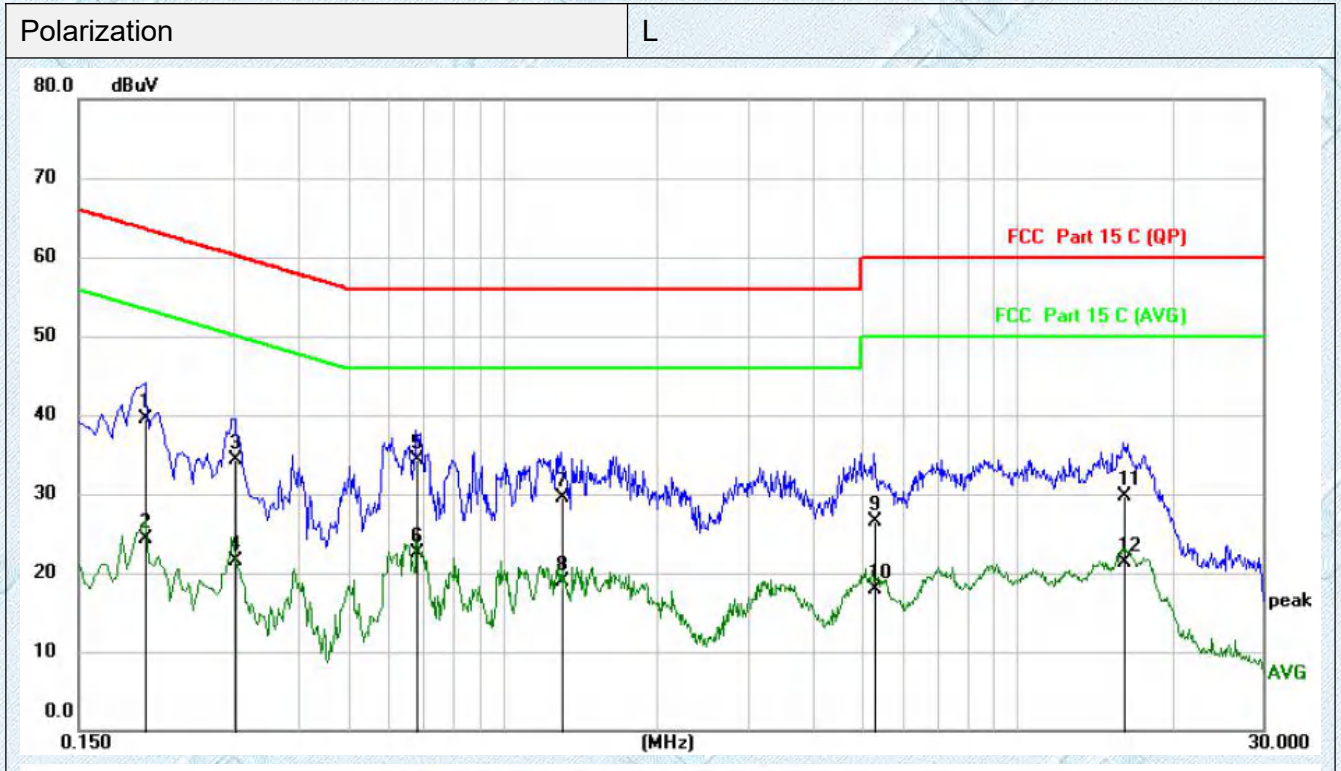
**Test Mode:**

Please refer to the clause 2.3.

**Test Results**

- Passed**                       **Not Applicable**





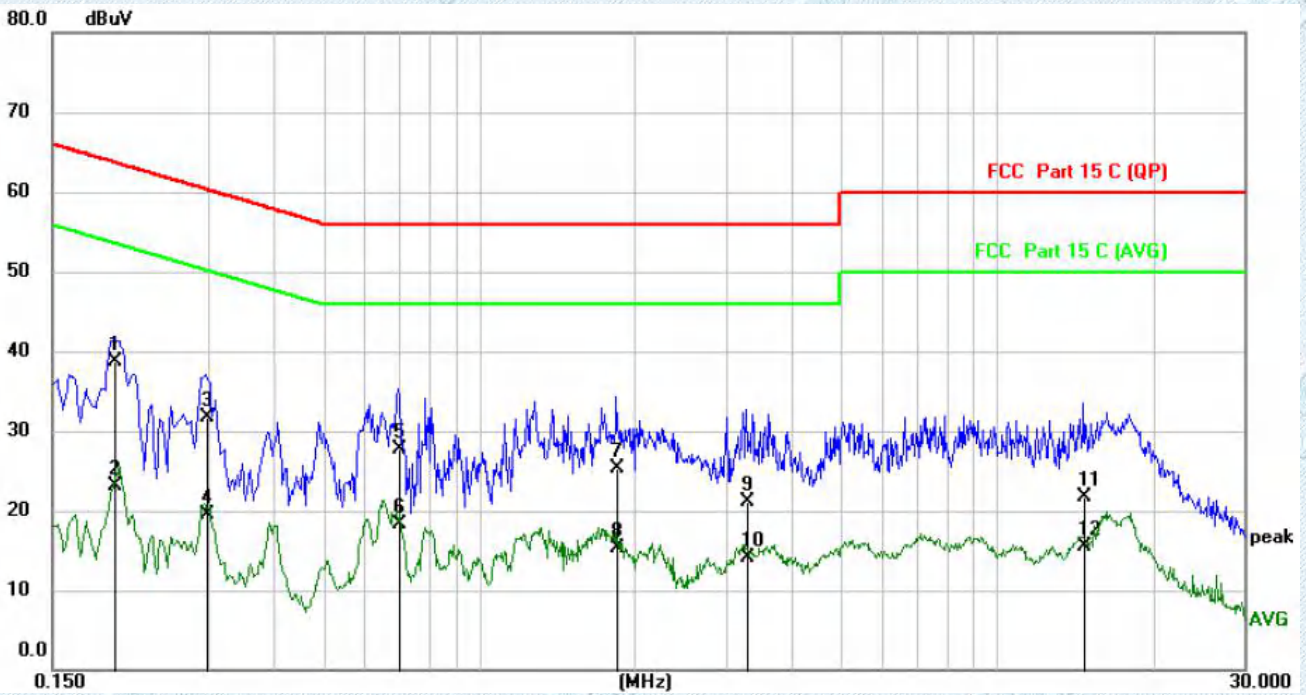
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1		0.2020	28.64	10.88	39.52	63.53	-24.01	QP
2		0.2020	13.44	10.88	24.32	53.53	-29.21	AVG
3		0.3020	23.36	10.89	34.25	60.19	-25.94	QP
4		0.3020	10.61	10.89	21.50	50.19	-28.69	AVG
5	*	0.6820	23.46	10.88	34.34	56.00	-21.66	QP
6		0.6820	11.72	10.88	22.60	46.00	-23.40	AVG
7		1.3020	18.58	10.88	29.46	56.00	-26.54	QP
8		1.3020	8.04	10.88	18.92	46.00	-27.08	AVG
9		5.2700	15.49	10.99	26.48	60.00	-33.52	QP
10		5.2700	6.84	10.99	17.83	50.00	-32.17	AVG
11		16.0659	18.56	11.06	29.62	60.00	-30.38	QP
12		16.0659	10.34	11.06	21.40	50.00	-28.60	AVG

Remarks:

1. Correct Factor= Lism Factor+Cable Factor

2. Over=Measurement -Limit

Polarization	N
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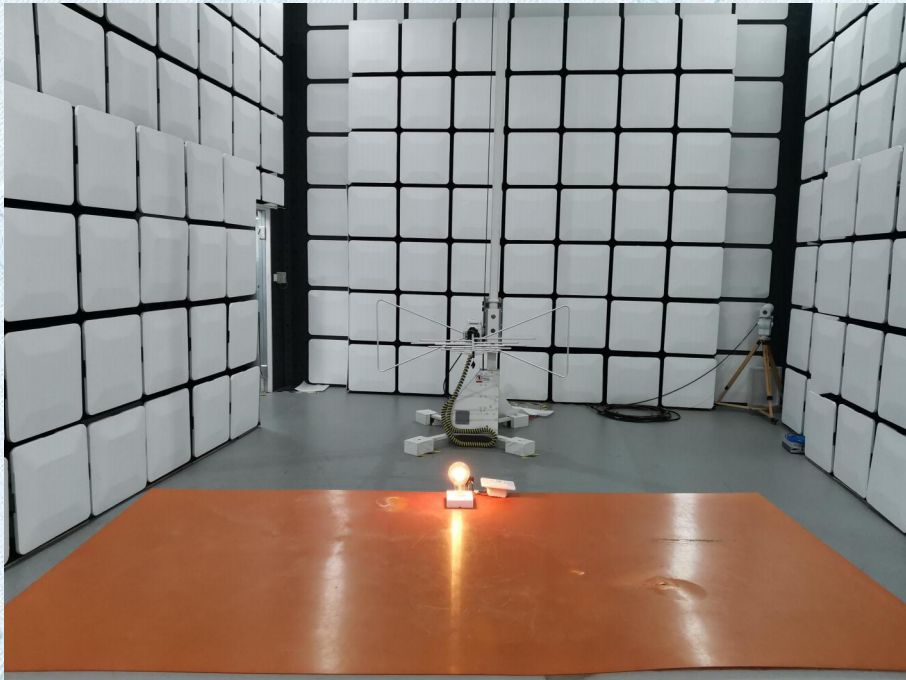
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector
1	*	0.1980	27.83	10.88	38.71	63.69	-24.98	QP
2		0.1980	12.14	10.88	23.02	53.69	-30.67	AVG
3		0.2980	20.96	10.84	31.80	60.30	-28.50	QP
4		0.2980	8.57	10.84	19.41	50.30	-30.89	AVG
5		0.6980	16.89	10.87	27.76	56.00	-28.24	QP
6		0.6980	7.45	10.87	18.32	46.00	-27.68	AVG
7		1.8420	14.43	10.88	25.31	56.00	-30.69	QP
8		1.8420	4.48	10.88	15.36	46.00	-30.64	AVG
9		3.2780	10.24	10.93	21.17	56.00	-34.83	QP
10		3.2780	3.27	10.93	14.20	46.00	-31.80	AVG
11		14.6860	10.76	10.91	21.67	60.00	-38.33	QP
12		14.6860	4.64	10.91	15.55	50.00	-34.45	AVG

Remarks:

1. Correct Factor= Lism Factor+Cable Factor
2. Over=Measurement -Limit

## 4.EUT TEST PHOTOS

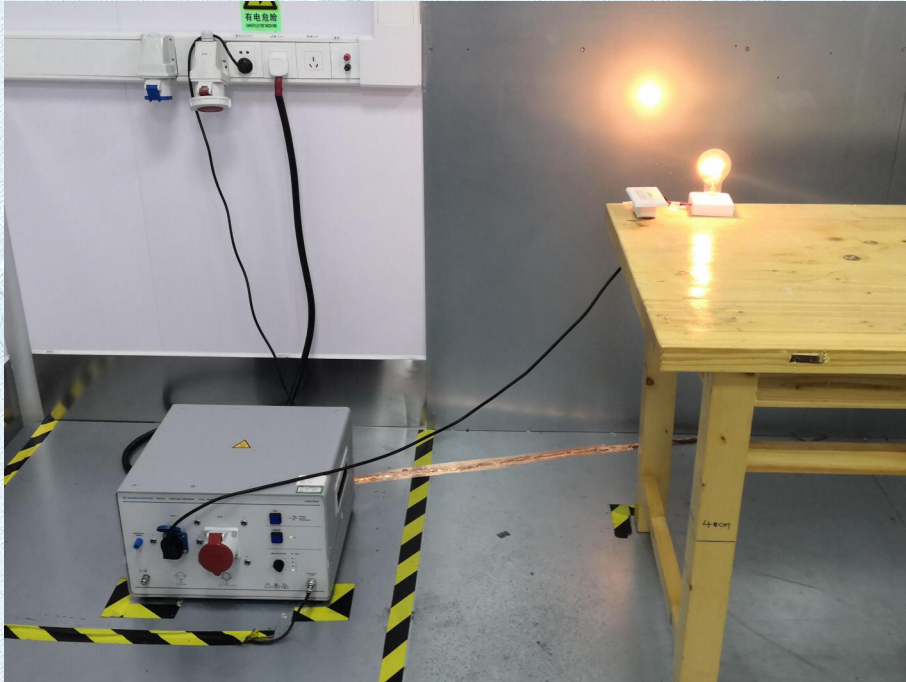
Radiated Measurement (Below 1GHz)



Radiated Measurement (Above 1GHz)



Conducted Emission



## 5. PHOTOGRAPHS OF EUT CONSTRUCTIONAL

Reference to the document No.: External Photos and Internal Photos.

\*\*\*\*\*THE END\*\*\*\*\*