

Shenzhen GUOREN Certification Technology Service Co., Ltd.

101#, Building K & Building T, The Second Industrial Zone, Jiazitang Community, Fenghuang Street, Guangming District, Shenzhen, China

FCC PART 15 SUBPART C TEST REPORT

FCC PART 15.231

Report Reference No.....: GRCTR250702057-02

FCC ID.....: 2AIT9-PG-A04

Compiled by

(position+printed name+signature)..: Testing Engineer Jimmy Wang

Supervised by

(position+printed name+signature)..: Project Engineer Kelley Zhang

Approved by

(position+printed name+signature)..: Manager Sam Wang

Date of issue...... Aug. 11, 2025

Testing Laboratory Name...... Shenzhen GUOREN Certification Technology Service Co., Ltd.

101#, Building K & Building T, The Second Industrial Zone,

Address.....: Jiazitang Community, Fenghuang Street, Guangming District,

Shenzhen, China

Applicant's name...... SZ PGST Co., Ltd

District, Shenzhen, Guangdong, China

Test specification....:

Standard..... FCC Part 15.231

Shenzhen GUOREN Certification Technology Service Co., Ltd. All rights reserved.

This publication may be reproduced in whole or in part for non-commercial purposes as long as the Shenzhen GUOREN Certification Technology Service Co., Ltd. is acknowledged as copyright owner and source of the material. Shenzhen GUOREN Certification Technology Service Co., Ltd. takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

Test item description.....: Alarm Host

Trade Mark..... /

Manufacturer...... SZ PGST Co., Ltd

Model/Type reference....: PG-A04

Listed Models: /

Firmware Version...... V1.0

Hardware Version.....: V1.0

Ratings..... DC 5V Powered by adapter or

3.7V === 1000mAh(By Li-ion rechargeable battery)

Modulation: FSK

Result..... PASS

TEST REPORT

Equipment under Test : Alarm Host

Model /Type : PG-A04

Listed Models : /

Applicant : SZ PGST Co., Ltd

Address . No.9 Building, Huafu Industrial Park, Huachang Road, Longhua

District, Shenzhen, Guangdong, China

Manufacturer : SZ PGST Co., Ltd

Address . No.9 Building, Huafu Industrial Park, Huachang Road, Longhua

District, Shenzhen, Guangdong, China

Test Result: PASS

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.

Contents

1 TEST STANDARDS	4
2 SUMMARY	5
2.1 General Remarks	E
2.2 Product Description	
2.3 Equipment Under Test	
2.4 Short description of the Equipment under Test (EUT)	
2.5 Block Diagram of Test Setup	
2.6 EUT configuration	
2.7 Related Submittal(s) / Grant (s)	
2.8 Modifications	
2.0 Modifications	
3 TEST ENVIRONMENT	7
3.1 Address of the test laboratory	7
3.2 Test Facility	7
3.3 Environmental conditions	
3.4 Summary of measurement results	
3.5 Statement of the measurement uncertainty	
3.6 Equipments Used during the Test	
4 TEST CONDITIONS AND RESULTS	4.0
4 IEST CONDITIONS AND RESULTS	10
4.1 AC Power Conducted Emission	
4.2 Radiated Emission	13
4.3 20dB Bandwidth	19
4.4 Deactivation Time	
4.5 Antenna Requirement	21
5 TEST SETUP PHOTOS OF THE EUT	2 2
6 PHOTOS OF THE FIIT	23

Report No.: GRCTR250702057-02 Page 4 of 23

1 TEST STANDARDS

The tests were performed according to following standards:

<u>FCC Rules Part 15.231:</u>Periodic operation in the band 40.66-40.70 MHz and above 70 MHz. <u>ANSI C63.10:2020:</u> American National Standard for Testing Unlicensed Wireless Devices

Report No.: GRCTR250702057-02 Page 5 of 23

2 **SUMMARY**

2.1 General Remarks

Date of receipt of test sample	:	Jul. 15, 2025
Testing commenced on	:	Jul. 15, 2025
Testing concluded on	:	Aug. 11, 2025

2.2 Product Description

Product Name:	Alarm Host
Model/Type reference:	PG-A04
Listed Models:	1
Testing sample ID:	GRCTR250702057-1# (Engineer sample), GRCTR250702057-2#(Normal sample)
Power supply:	DC 5V Powered by adapter or 3.7V==-1000mAh(By Li-ion rechargeable battery)
Adapter Information:	Model:PS10UA050K2000UU Input:100-240V~ 50/60Hz, 0.5A Output:5.0V===2.0A 10.0W
Modulation:	FSK
Operation frequency:	433.9200MHz
Channel number:	1
Antenna type:	Spring antenna
Antenna gain:	-1.41dBi

2.3 Equipment Under Test

Power supply system utilised

Power supply voltage	:	0	230V / 50 Hz	0	120V / 60Hz
		0	12 V DC	0	24 V DC
		•	Other (specified in blank below)		

DC 5V Powered by adapter

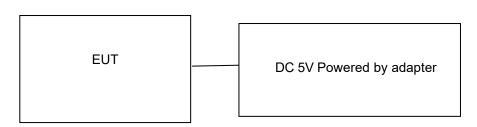
2.4 Short description of the Equipment under Test (EUT)

This is a Alarm Host.

For more details, refer to the user's manual of the EUT.

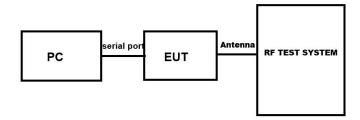
2.5 Block Diagram of Test Setup

AC Power Conducted Emission & Radiated Emissions(below 1GHz&above1GHz)&Band Edge(Radiated)



Report No.: GRCTR250702057-02 Page 6 of 23

RF Measurement



2.6 EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

- supplied by the manufacturer
- \bigcirc supplied by the lab

O /	M/N:	1
	Manufacturer:	1

2.7 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for the device filing to comply with Section 15.231 of the FCC Part 15, Subpart C Rules.

2.8 Modifications

No modifications were implemented to meet testing criteria.

Report No.: GRCTR250702057-02 Page 7 of 23

3 TEST ENVIRONMENT

3.1 Address of the test laboratory

Shenzhen GUOREN Certification Technology Service Co., Ltd.

101#, Building K & Building T, The Second Industrial Zone, Jiazitang Community, Fenghuang Street, Guangming District, Shenzhen, China

3.2 Test Facility

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

FCC-Registration No.: 920798 Designation Number: CN1304

Shenzhen GUOREN Certification Technology Service Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

A2LA-Lab Cert. No.: 6202.01

Shenzhen GUOREN Certification Technology Service Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

ISED#: 27264 CAB identifier: CN0115

Shenzhen GUOREN Certification Technology Service Co., Ltd. has been listed by Innovation, Science and Economic Development Canada to perform electromagnetic emission measurement.

CNAS-Lab Code: L15631

Shenzhen GUOREN Certification Technology Service Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories for the Competence of Testing and Calibration Laboratories.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.10 and CISPR 16-1-4:2010.

3.3 Environmental conditions

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

Normal Temperature	15-35 ℃
Relative Humidity	30-60 %
Air Pressure	950-1050mbar

Report No.: GRCTR250702057-02 Page 8 of 23

3.4 Summary of measurement results

FCC Requirements		
FCC Part 15.207	Conducted Emission	PASS
FCC Part 15.231(a)(2)	Automatically Deactivate	PASS
FCC Part 15.231(b)	Electric Field Strength of Fundamental Emission	PASS
FCC Part 15.205 &15.209& 15.231(b)	Electric Field Strength of Spurious Emission	PASS
FCC Part 15.231(c)	-20dB bandwidth	PASS

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

3.5 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 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 Shenzhen GUOREN Certification Technology Service Co., Ltd.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.

Hereafter the best measurement capability for Shenzhen GUOREN Certification Technology Service Co., Ltd.:

Test	Range	Measurement Uncertainty	Notes
Radiated Emission	30~1000MHz	4.06 dB	(1)
Radiated Emission	1~18GHz	5.14 dB	(1)
Radiated Emission	18-40GHz	5.38 dB	(1)
Conducted Disturbance	0.15~30MHz	2.14 dB	(1)

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

3.6 Equipments Used during the Test

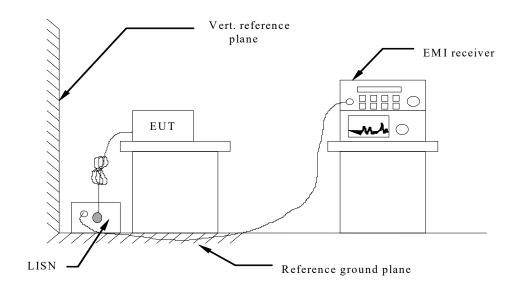
Test Equipment	Manufacturer	Model No.	Equipment No.	Calibration Date	Calibration Due Date
LISN	R&S	ENV216	GRCTEE009	2024/09/19	2025/09/18
LISN	R&S	ENV216	GRCTEE010	2024/09/19	2025/09/18
EMI Test Receiver	R&S	ESPI	GRCTEE017	2024/09/19	2025/09/18
EMI Test Receiver	R&S	ESCI	GRCTEE008	2024/09/19	2025/09/18
Spectrum Analyzer	Agilent	N9020A	GRCTEE002	2024/09/19	2025/09/18
Spectrum Analyzer	R&S	FSP	GRCTEE003	2024/09/20	2025/09/19
Vector Signal generator	Agilent	N5181A	GRCTEE007	2024/09/19	2025/09/18
Analog Signal Generator	R&S	SML03	GRCTEE006	2024/09/19	2025/09/18
Climate Chamber	QIYA	LCD-9530	GRCTES016	2024/09/19	2025/09/18
Ultra-Broadband Antenna	Schwarzbeck	VULB9163	GRCTEE018	2023/09/28	2026/09/27
Horn Antenna	Schwarzbeck	BBHA 9120D	GRCTEE019	2023/09/28	2026/09/27
Loop Antenna	Zhinan	ZN30900C	GRCTEE020	2023/10/15	2026/10/14
Horn Antenna	Beijing Hangwei Dayang	OBH100400	GRCTEE049	2023/09/28	2026/09/27
Amplifier	Schwarzbeck	BBV 9745	GRCTEE021	2024/09/19	2025/09/18
Amplifier	Taiwan chengyi	EMC051845B	GRCTEE022	2024/09/19	2025/09/18
Temperature/Humi dity Meter	Huaguan	HG-308	GRCTES037	2024/09/19	2025/09/18
Directional coupler	NARDA	4226-10	GRCTEE004	2024/09/19	2025/09/18
High-Pass Filter	XingBo	XBLBQ-GTA18	GRCTEE053	2024/09/19	2025/09/18
High-Pass Filter	XingBo	XBLBQ-GTA27	GRCTEE054	2024/09/19	2025/09/18
Automated filter bank	Tonscend	JS0806-F	GRCTEE055	2024/09/19	2025/09/18
Power Sensor	Agilent	U2021XA	GRCTEE070	2024/09/19	2025/09/18
Cable	Times	Cable-CE	GRCTEE086	2024/09/19	2025/09/18
Cable	Times	Cable-RE-1	GRCTEE087	2024/09/19	2025/09/18
Cable	Times	Cable-RE-2	GRCTEE088	2024/09/19	2025/09/18
EMI Test Software	ROHDE & SCHWARZ	ESK1-V1.71	GRCTEE060	N/A	N/A
EMI Test Software	Fera	EZ-EMC	GRCTEE061	N/A	N/A

Report No.: GRCTR250702057-02 Page 10 of 23

4 TEST CONDITIONS AND RESULTS

4.1 AC Power Conducted Emission

TEST CONFIGURATION



TEST PROCEDURE

- 1 The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10-2013.
- 2 Support equipment, if needed, was placed as per ANSI C63.10-2020
- 3 All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10-2020
- 4 The EUT received power from adapter, the adapter received AC120V/60Hz and AC 240V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5 All support equipments received AC power from a second LISN, if any.
- 6 The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7 Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
- 8 During the above scans, the emissions were maximized by cable manipulation.

AC Power Conducted Emission Limit

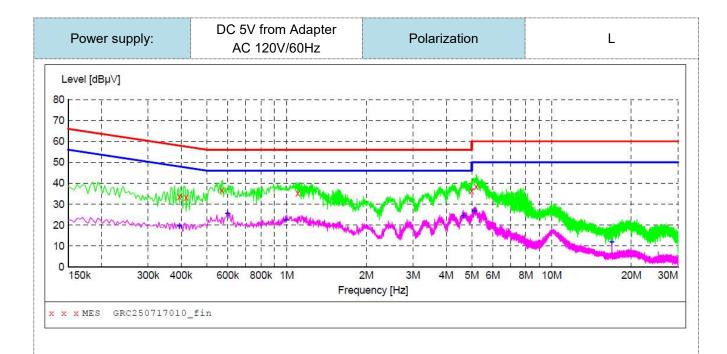
For intentional device, according to § 15.207(a) AC Power Conducted Emission Limits is as following:

Fraguency range (MHz)	Limit (dBuV)			
Frequency range (MHz)	Quasi-peak	Average		
0.15-0.5	66 to 56*	56 to 46*		
0.5-5	56	46		
5-30	60	50		
* Decreases with the logarithm of the frequency.				

TEST RESULTS

Remark:

1. Both 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz power supply have been tested, only the worst result of 120 VAC, 60 Hz was reported as below:



MEASUREMENT RESULT: "GRC250717010 fin"

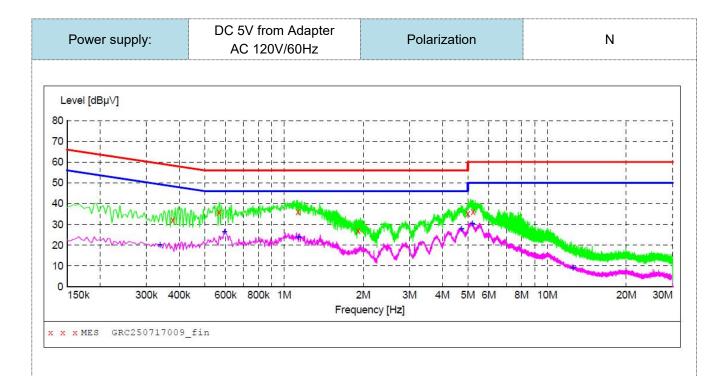
7/17/2025 3:1	7PM						
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
		- 242			121 ES	12712	72020748
0.394000	33.60	10.3	58	24.4	QP	L1	GND
0.418000	33.40	10.3	58	24.1	QP	L1	GND
0.570000	36.60	10.4	56	19.4	QP	L1	GND
1.102000	35.40	10.3	56	20.6	QP	L1	GND
4.998000	36.30	10.2	56	19.7	QP	L1	GND
5.190000	38.30	10.2	60	21.7	QP	L1	GND

MEASUREMENT RESULT: "GRC250717010 fin2"

7/17/2025 3:	17PM						
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dΒμV	dB	dBµV	dB			
0.394000	19.60	10.3	48	28.4	AV	L1	GND
0.598000	25.50	10.5	46	20.5	AV	L1	GND
0.994000	22.40	10.2	46	23.6	AV	L1	GND
4.642000	24.40	10.3	46	21.6	AV	L1	GND
5.114000	26.60	10.2	50	23.4	AV	L1	GND
16.874000	11.80	10.5	50	38.2	AV	L1	GND

Note:1).Level (dBμV)= Reading (dBμV)+ Transducer (dB)

- 2). Transducer (dB)=insertion loss of LISN (dB) + Cable loss (dB)
- 3). Margin(dB) = Limit (dB μ V) Level (dB μ V)



MEASUREMENT RESULT: "GRC250717009_fin"

7/17/2025 3:1	4PM						
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dΒμV	dB	dΒμV	dB			
0 270000	20.00	10 4	F.0	06.1	0.0		CIMID
0.378000	32.20	10.4	58	26.1	QP	N	GND
0.566000	35.80	10.4	56	20.2	QP	N	GND
1.130000	36.20	10.4	56	19.8	QP	N	GND
1.914000	26.90	10.6	56	29.1	QP	N	GND
4.998000	35.20	10.2	56	20.8	QP	N	GND
5.230000	36.20	10.2	60	23.8	QP	N	GND

MEASUREMENT RESULT: "GRC250717009 fin2"

7	/17/2025 3:1 Frequency MHz	4PM Level dBμV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
	0.338000	20.10	10.3	49	29.2	AV	N	GND
	0.594000	26.40	10.5	46	19.6	AV	N	GND
	1.134000	24.00	10.4	46	22.0	AV	N	GND
	4.726000	27.80	10.3	46	18.2	AV	N	GND
	5.198000	30.40	10.2	50	19.6	AV	N	GND
	12.542000	9.20	10.6	50	40.8	AV	N	GND

Note:1).Level ($dB\mu V$)= Reading ($dB\mu V$)+ Transducer (dB)

- 2). Transducer (dB)=insertion loss of LISN (dB) + Cable loss (dB)
- 3). Margin(dB) = Limit (dB μ V) Level (dB μ V)

Report No.: GRCTR250702057-02 Page 13 of 23

4.2 Radiated Emission

Limit

For intentional device, according to 15.209(a) the general requirement of field strength of radiated emission

from intentional radiators at a distance of 3 meters shall not exceed the following table.

Frequency (MHz)	Distance (Meters)	Radiated (dBµV/m)	Radiated (µV/m)
0.009-0.49	3	20log(2400/F(KHz))+40log(300/3)	2400/F(KHz)
0.49-1.705	3	20log(24000/F(KHz))+ 40log(30/3)	24000/F(KHz)
1.705-30	3	20log(30)+ 40log(30/3)	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

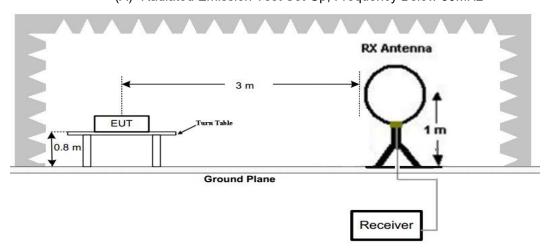
In addition to the provisions of 15.231(b), the field strength of emissions from intentional radiators operated under this section shall not exceed the following:

Funda- mental fre- quency (MHz)	Field strength of funda- mental (microvolts/ meter)	Field strength of spurious emissions (microvolts/meter)
40.66– 40.70.	2,250	225
70-130	1,250	125
130-174	11,250 to 3,750	1 125 to 375
174-260	3,750	375
260-470	13,750 to 12,500	1375 to 1,250
Above 470	12,500	1,250

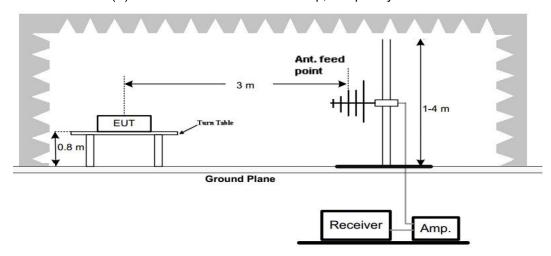
¹ Linear interpolations.

TEST CONFIGURATION

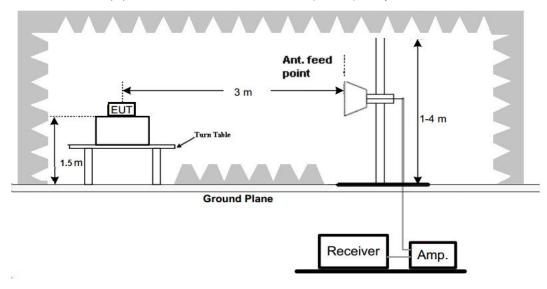
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz



(B) Radiated Emission Test Set-Up, Frequency below 1000MHz



(C) Radiated Emission Test Set-Up, Frequency above 1000MHz

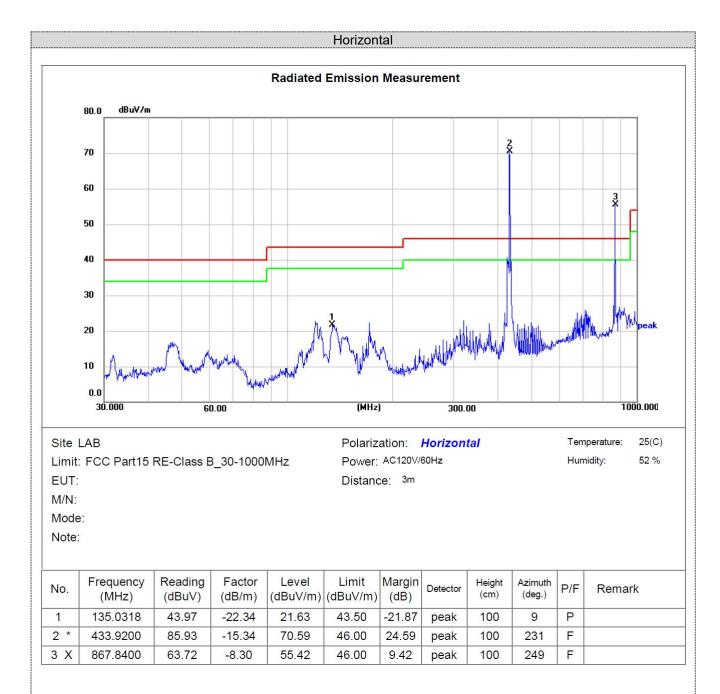


Test Procedure

- 1. Below 1GHz measurement the EUT is placed on a turntable which is 0.8m above ground plane, and above 1GHz measurement EUT was placed on a low permittivity and low loss tangent turn table which is 1.5m above ground plane.
- 2. Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0° to 360° to acquire the highest emissions from EUT
- 3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 4. Repeat above procedures until all frequency measurements have been completed.

TEST RESULTS

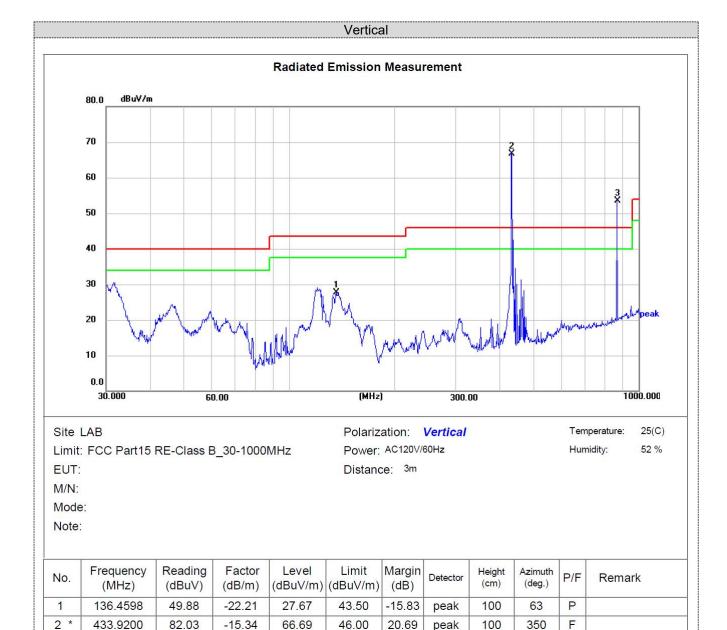
The emissions from 30MHz to 5GHz are measured peak and average level, below 1 GHz measured QP level, detailed test data please see below. Besides, we tested 3 directions and recorded the worst data.



Note:1).Level $(dB\mu V/m)$ = Reading $(dB\mu V)$ + Factor (dB/m)

2). Factor(dB/m)=Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

3). Margin(dB) = Level (dB μ V/m) - Limit (dB μ V/m)



Note:1).Level ($dB\mu V/m$)= Reading ($dB\mu V$)+ Factor (dB/m)

61.79

-8.30

867.8400

3 X

2). Factor(dB/m)=Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

46.00

53.49

peak

peak

7.49

100

100

63

F

3). Margin(dB) = Level (dB μ V/m) - Limit (dB μ V/m)

Report No.: GRCTR250702057-02

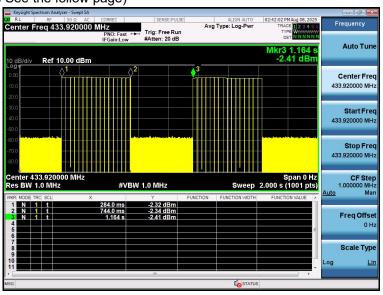
Emission Styles	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Direction (H/V)
Fundamental	433.9200	85.93	-15.34	70.59	100.83	30.24	PK	Н
Harmonics	867.8400	63.72	-8.30	55.42	80.83	25.41	PK	Н
Harmonics	1301.7600	68.08	-27.66	40.42	74	33.58	PK	Н
Fundamental	433.9200	82.03	-15.34	66.69	100.83	34.14	PK	V
Harmonics	867.8400	61.79	-8.30	53.49	80.83	27.34	PK	V
Harmonics	1301.7600	67.98	-27.66	40.32	74	33.68	PK	V

Emission Styles	Frequency (MHz)	PK Level (dBuV/m)	AV Factor (dB/m)	AV Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Direction (H/V)
Fundamental	433.9170	70.59	-6.38	64.21	80.83	16.62	Н
Harmonics	867.8340	36.08	-6.38	29.70	60.83	31.13	Н
Harmonics	1301.7510	40.42	-6.38	34.04	54.00	19.96	Н
Fundamental	433.9170	66.69	-6.38	60.31	80.83	20.52	V
Harmonics	867.8340	35.46	-6.38	29.08	60.83	31.75	V
Harmonics	1301.7510	40.32	-6.38	33.94	54.00	20.06	V

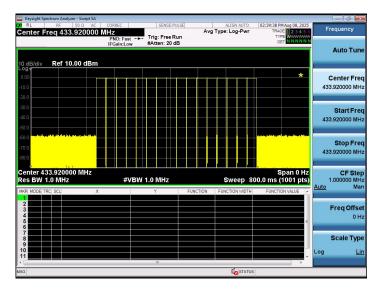
Note:

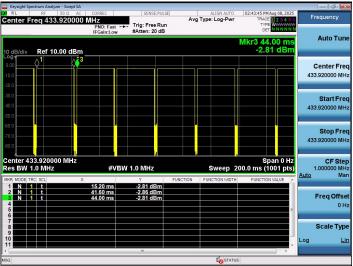
- Level (dBuV/m)= Reading (dBuV)+Factor(dB/m)
- 2. AV Level (dBuV/m)= PK Level (dBuV/m)+ AV Factor(dB)
- 3. Duty Cycle=(26.4*16)/880=422.4/880=0.48 AV Factor=20*log(Duty Cycle)=20*log(0.48)=-6.38

(The plot of Duty Cycle See the follow page)



(Transmit cycle 880ms)





(Time per burst: 26.4ms*16pcs)

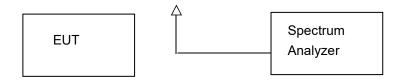
Report No.: GRCTR250702057-02 Page 19 of 23

4.3 20dB Bandwidth

<u>Limit</u>

According to 47 CFR 15.231(c) The bandwidth of the emission shall be no wider than 0.25% of the centre frequency for devices operating above 70MHz and below 900MHz. Bandwidth is determined at the points 20dB down from the modulated carrier.

Test Configuration



Test Procedure

The 20dB bandwidth and 99% bandwidth is measured with a spectrum analyzer connected via a receive antenna placed near the EUT while the EUT is operating in transmission mode.

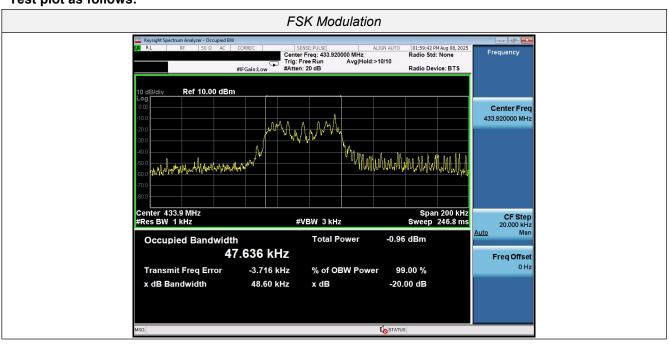
The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

The occupied bandwidth (OBW), that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission.

Test Results

Modulation	Channel Frequency (MHz)	99% OBW (KHz)	20dB bandwidth (KHz)	Limit (KHz)	Result
FSK	433.9200	47.636	48.60	0.0025*433920=1084.800	Pass

Test plot as follows:



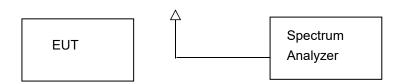
Report No.: GRCTR250702057-02 Page 20 of 23

4.4 Deactivation Time

<u>Limit</u>

According to FCC §15.231(a)(2), A transmitter activated automatically shall cease transmission within 5 seconds after activation.

Test Configuration



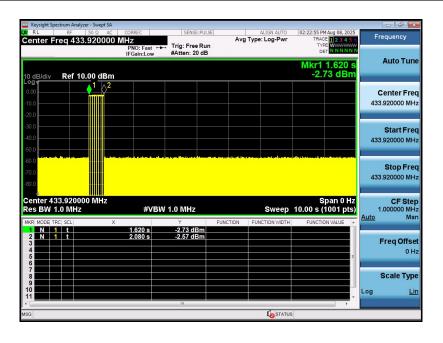
Test Procedure

- 1. The EUT was placed on a wooded table which is 0.8m height and close to receiver antenna of spectrum analyzer.
- 2. The spectrum analyzer resolution bandwidth was set to 1 MHz and video bandwidth was set to 1 MHz to encompass all significant spectral components during the test. The spectrum analyzer was operated in linear scale and zero span mode after tuning to the transmitter carrier frequency.

TEST RESULTS

Note: The transmitter was automatically activated, and the carrier frequency 433.9200MHz:

Frequency (MHz)	One transmission time (S)	Limit(S)	Result
433.9200	0.46	5	Pass



Report No.: GRCTR250702057-02 Page 21 of 23

4.5 Antenna Requirement

Standard Applicable

According to FCC Part 15C 15.203

- a) An intentional radiator shall be de-signed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.
- b) 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.

Refer to statement below for compliance.

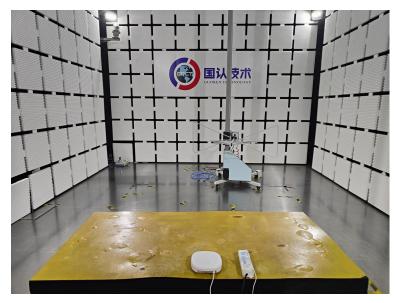
The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

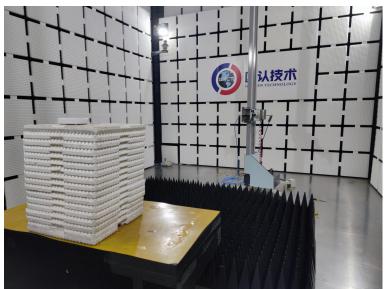
Antenna Connected Construction

The maximum gain of antenna was -1.41 dBi.

Remark: The antenna gain is provided by the customer, if the data provided by the customer is not accurate, Shenzhen GUOREN Certification Technology Service Co., Ltd. does not assume any responsibility.

5 Test Setup Photos of the EUT







Report No.: GRCTR250702057-02 Page 23 of 23

6 Photos of the EUT

Reference to the test	report No. GRC1R2507	02057-02.	
	******	Fnd of Report	******