

Certificate of Conformity

NO.:EDG2406260072E00301C

The device bearing the trade name and model specified following has been shown to comply with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified. (Refer to test report if any modifications were made for compliance).

Applicant : ZECAT GROUP
Address : Colectora Panamericana Oeste 264, Martinez Buenos Aires, Argentina
B1640EGP

Manufacturer :

Address :
COUNTY,NINGBO CITY,ZHEJIANG PROVINCE

EUT : 3 in1 Land Charging Cable

M/N : SF063

Trade Mark : Reuseme

Report No : EDG2406260072E00301R

Test Standards : FCC CFR Title 47, Part 15, Subpart B
ANSI C63.4-2014

Version : Ver.1.0



Sam Lv(Manager)

July 05, 2024

The certificate is based on a single evaluation of five samples of above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab logo.

EMTEK (Dongguan) Co., Ltd.

Add: -1&2/F., Building 2, Zone A, Zhongda Marine Biotechnology Research and Development Base, No.9, Xincheng Avenue, Songshanhu High-technology Industrial Development Zone, Dongguan, Guangdong, China [Http://www.emtek.com.cn](http://www.emtek.com.cn) E-mail: project@emtek.com.cn



TEST REPORT

Product Name : 3 in1 Land Charging Cable
Model Number : SF063

Prepared for : ZECAT GROUP
Address : Colectora Panamericana Oeste 264, Martinez Buenos Aires,
Argentina B1640EGP

Prepared by : EMTEK (Dongguan) Co., Ltd.
Address : -1&2F., Building 2, Zone A, Zhongda Marine Biotechnology
Research and Development Base, No. 9, Xincheng Avenue,
Songshanhu High-technology Industrial Development Zone,
Dongguan, Guangdong, China

Tel : +86-0769-22807078
Fax: +86-0769-22807079

Report Number : EDG2406260072E00301R
Date(s) of Tests : July 26, 2024 to July 04, 2024
Date of issue : July 05, 2024



TABLE OF CONTENT

1. SUMMARY OF TEST RESULTS	5
2. GENERAL INFORMATION	6
2.1. Description of Device (EUT)	6
2.2. Input / Output Ports	6
2.3. Independent Operation Modes	6
2.4. Test Manner	6
2.5. Description of Test Facility	6
2.6. Test Software	7
2.7. Description of Support Device	7
2.8. Measurement Uncertainty	7
3. MEASURING DEVICE AND TEST EQUIPMENT	8
3.1. For Conducted Emission at Mains Terminals Measurement	8
3.2. For Radiated Emission Measurement	8
4. CONDUCTED EMISSION AT MAINS TERMINALS MEASUREMENT	9
4.1. Block Diagram of Test Setup	9
4.2. Limits	9
4.3. Test Procedure	9
4.4. Measuring Results	10
5. RADIATED EMISSION MEASUREMENT	11
5.1. Block Diagram of Test Setup	11
5.2. Radiated Limit	11
5.3. Test Procedure	11
5.4. Measuring Results	12
6. RADIATED EMISSION MEASUREMENT (ABOVE 1GHZ)	15
6.1 Block Diagram of Test Setup	15
6.2 Radiated Limit	15
6.3 Test Procedure	15
6.4 Measuring Results	16
7. PHOTOGRAPHS	17
7.1. Photos of Radiation Emission Measurement	17
APPENDIX A: Label Requirements	
APPENDIX B: Warning Statement	
APPENDIX C: Photos of EUT (1 pages)	

TEST REPORT DESCRIPTION

Applicant : ZECAT GROUP
Manufacturer :
Trade Mark : Reuseme
EUT : 3 in1 Land Charging Cable
Model No. : SF063
Rating : DC 5V

Measurement Procedure Used:

FCC CFR Title 47, Part 15, Subpart B
ANSI C63.4-2014

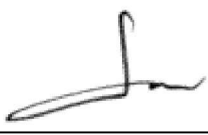

The device described above is tested by EMTEK (Dongguan) Co., Ltd. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and EMTEK (Dongguan) Co., Ltd. is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the FCC requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of EMTEK (Dongguan) Co., Ltd.

Date of Test : July 26, 2024 to July 04, 2024

Prepared by : 
Galen Xiao /Editor

Reviewer : 
Tim Dong /Supervisor

Approved & Authorized Signer :  
Sam Lv /Manager

Modified Information

Version	Report No.	Revision Data	Summary
	EDG2406260072E00301R	/	Original Version



1. SUMMARY OF TEST RESULTS

EMISSION		
Description of Test Item	Standard & Limits	Results
Conducted Emission at Mains Terminals	FCC Part 15, Subpart B, Class B ANSI C63.4-2014	N/A
Radiated Emission	FCC Part 15, Subpart B, Class B ANSI C63.4-2014	Pass
Note: N/A is an abbreviation for Not Applicable.		



2. GENERAL INFORMATION

2.1. Description of Device (EUT)

EUT : 3 in1 Land Charging Cable

Model Number : SF063

Test Voltage : DC 5V

Applicant : ZECAT GROUP

Address : Colectora Panamericana Oeste 264, Martinez Buenos Aires, Argentina
B1640EGP

Manufacturer : _____

Address : _____
STREET, NINGHAI COUNTY, NINGBO CITY, ZHEJIANG PROVINCE

Date of Received : July 26, 2024

Date of Test : July 26, 2024 to July 04, 2024

2.2. Input / Output Ports

Port #	Name	Type*	Cable Max. >3m	Cable Shielded	Comments
0	Enclosure	N/E	--	--	None
1	--	--	--	--	--

* Note: Use abbreviations:

AC= AC Power Port

DC= DC Power Port

N/E= Non-Electrical

I/O= Signal Input or Output Port (Not Involved in Process Control)

TP= Telecommunication Ports

2.3. Independent Operation Modes

A. Normal working

2.4. Test Manner

Test Items	Test Voltage	Operation Modes	Worst case
Conducted Emission	/	/	/
Radiated Emission (Up to 1GHz)	DC 5V	Mode A	/
Radiated Emission (Above 1GHz)	/	/	/

2.5. Description of Test Facility

Site Description

EMC Lab. : Accredited by CNAS, 2020.08.27
The certificate is valid until 2024.07.05
The Laboratory has been assessed and proved to be in compliance with
CNAS/CL01:2018

The Certificate Registration Number is L3150

Recognized by FCC
Designation Number: CN1300
Test Firm Registration Number: 945551

Accredited by A2LA, April 05, 2021
The Certificate Registration Number is 4321.02

Recognized by Industry Canada
The Certificate Registration Number is CN0113

Name of Firm : EMTEK (Dongguan) Co., Ltd.
Site Location : -1&2/F., Building 2, Zone A, Zhongda Marine Biotechnology Research and Development Base, N.9, Xincheng Avenue, Songshanhu High-technology Industrial Development Zone, Dongguan, Guangdong, China

2.6. Test Software

Item : Software
Conducted Emission : EMTEK(Ver.CON-03A1)-Shenzhen
Radiated Emission : EMTEK(Ver.RA-03A1)-Shenzhen

2.7. Description of Support Device

Notebook : Model: ThinkBook 14 G2 ITL
SN: MP1WBQKG

2.8. Measurement Uncertainty

Test Item	Uncertainty
Conducted Emission Uncertainty	2.08dB(9k~150kHz Conduction 1#) 2.42dB(150k~30MHz Conduction 1#)
Radiated Emission Uncertainty (3m Chamber)	3.32dB (30M~1GHz Polarize: H) 3.34dB (30M~1GHz Polarize: V) 4.98dB (1~6GHz) 5.20dB (6~18GHz)

3. MEASURING DEVICE AND TEST EQUIPMENT

3.1. For Conducted Emission at Mains Terminals Measurement

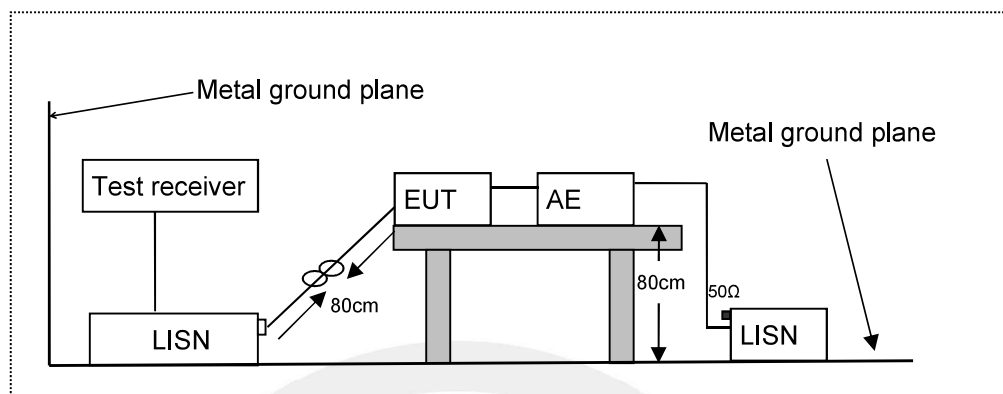
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMI Test Receiver	Rohde&Schwarz	ESCI	100137	2024/4/29	1 Year
2.	AMN	Rohde&Schwarz	ENV216	101209	2024/4/28	1 Year

3.2. For Radiated Emission Measurement

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMI Test Receiver	Rohde&Schwarz	ESCI	101415	2024/4/28	1 Year
2.	Bi-log Hybrid Antenna	Schwarzbeck	VULB9163	141	2024/5/5	1 Year
3.	Pre-Amplifier	HP	8447F	OPH64	2024/4/28	1 Year
4.	Signal Analyzer	R&S	FSV30	103039	2024/4/28	1 Year
5.	Horn Antenna	Schwarzbeck	BBHA9120D	1272	2024/5/5	1 Year
6.	Pre-Amplifier	LUNAR EM	PM1-18-40	J10100000081	2024/4/28	1 Year

4. CONDUCTED EMISSION AT MAINS TERMINALS MEASUREMENT

4.1. Block Diagram of Test Setup



LISN: Line Impedance Stabilization Network
AE: Associated equipment
EUT: Equipment under test

4.2. Limits

FCC Part 15, Subpart B, Class B

Frequency (MHz)	Limit (dB μ V)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66.0 ~ 56.0 *	56.0 ~ 46.0 *
0.50 ~ 5.00	56.0	46.0
5.00 ~ 30.00	60.0	50.0

NOTE1-The lower limit shall apply at the transition frequencies.

NOTE2-The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

4.3. Test Procedure

The EUT was placed on a desk 0.8 m height from the metal ground plane and 0.4 m from the conducting wall of the shielding room and it was kept at least 0.8 m from any other grounded conducting surface. The size of the table will nominally be 1.5 m x1.0 m.

The rear of the arrangement shall be flush with the back of the supporting tabletop unless that would not be possible or typical of normal use.

All units of equipment forming the system under test (includes the EUT as well as connected peripherals and associated equipment or devices) shall be arranged such that a nominal 0.1 m separation is achieved between the neighboring units.

Connect EUT to the power mains through a line impedance stabilization network (LISN). Where the mains cable supplied by the manufacturer is longer than 1 m, the excess should be folded at the centre into a bundle no longer than 0.4 m, so that its length is shortened to 1 m.

All the support units are connecting to the other LISN.

The LISN provides 50 ohm coupling impedance for the measuring instrument.

Both sides of AC line were checked for maximum conducted interference.

The frequency range from 150 kHz to 30 MHz was sweep.

Set the test-receiver system to quasi peak detect function and average detect function, and to measure the conducted emissions values.

Test results were obtained from the following equation:

Emission Level (dB μ V) = LISN Factor (dB) + Cable Loss (dB) + Reading (dB μ V)

Margin (dB) = Emission Level (dB μ V) - Limit (dB μ V)

4.4.Measuring Results

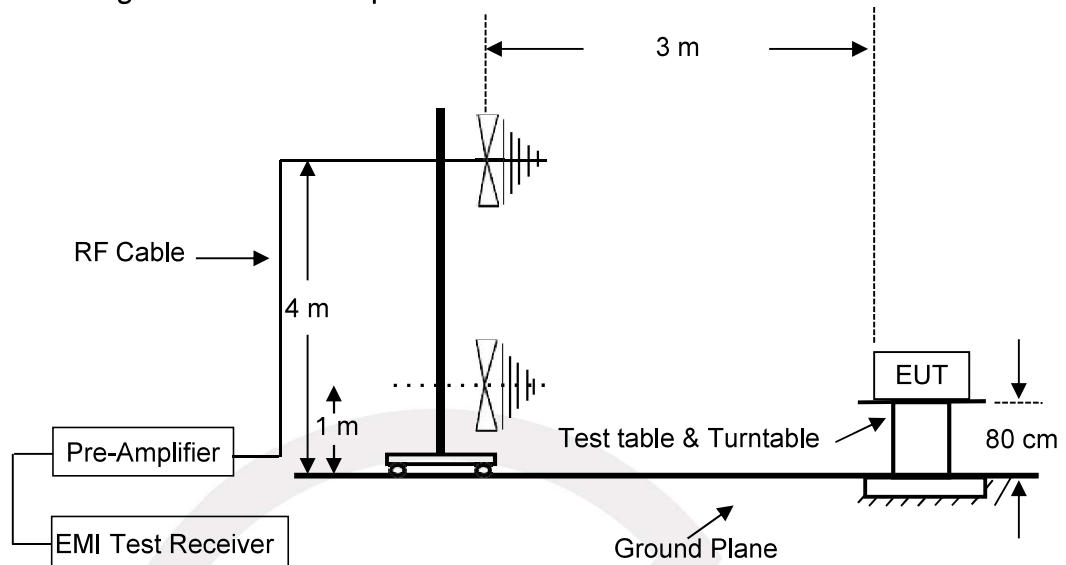
N/A.

No AC power port.



5. RADIATED EMISSION MEASUREMENT

5.1. Block Diagram of Test Setup



5.2. Radiated Limit

FCC Part 15, Subpart B, Class B

Frequency MHz	Distance Meters	Field Strengths Limit	
		$\mu\text{V}/\text{m}$	$\text{dB}(\mu\text{V})/\text{m}$
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0

5.3. Test Procedure

The EUT was placed on a non-conductive table whose total height equaled 80cm. All units of equipment forming the system under test (includes the EUT as well as connected peripherals and associated equipment or devices) shall be arranged such that a nominal 0.1 m separation is achieved between the neighboring units. Where the mains cable supplied by the manufacturer is longer than 1 m, the excess should be folded at the centre into a bundle no longer than 0.4 m, so that its length is shortened to 1 m.

The EUT was set 3 meters away from the receiving antenna that was mounted on a non-conductive mast. The antenna can move up and down between 1 to 4 meters to find out the maximum emission level.

The turntable can rotate 360 degree to determine the position of the maximum emission level.

The initial testing identified the frequency that has the highest disturbance relative to the limit while operating the EUT in typical modes of operation and cable positions in a test setup representative of typical system configuration.

The identification of the frequency of highest emission with respect to the limit was found by investigating emissions at a number of significant frequencies. The probable frequency of maximum emission had been found and that the associated cable and EUT configuration and mode of operation had been identified.

The bandwidth of the Receiver is set at 120 kHz.

Test results were obtained from the following equation:

Emission level (dB μ V/m) = Antenna Factor - Amp Factor + Cable Loss + Reading

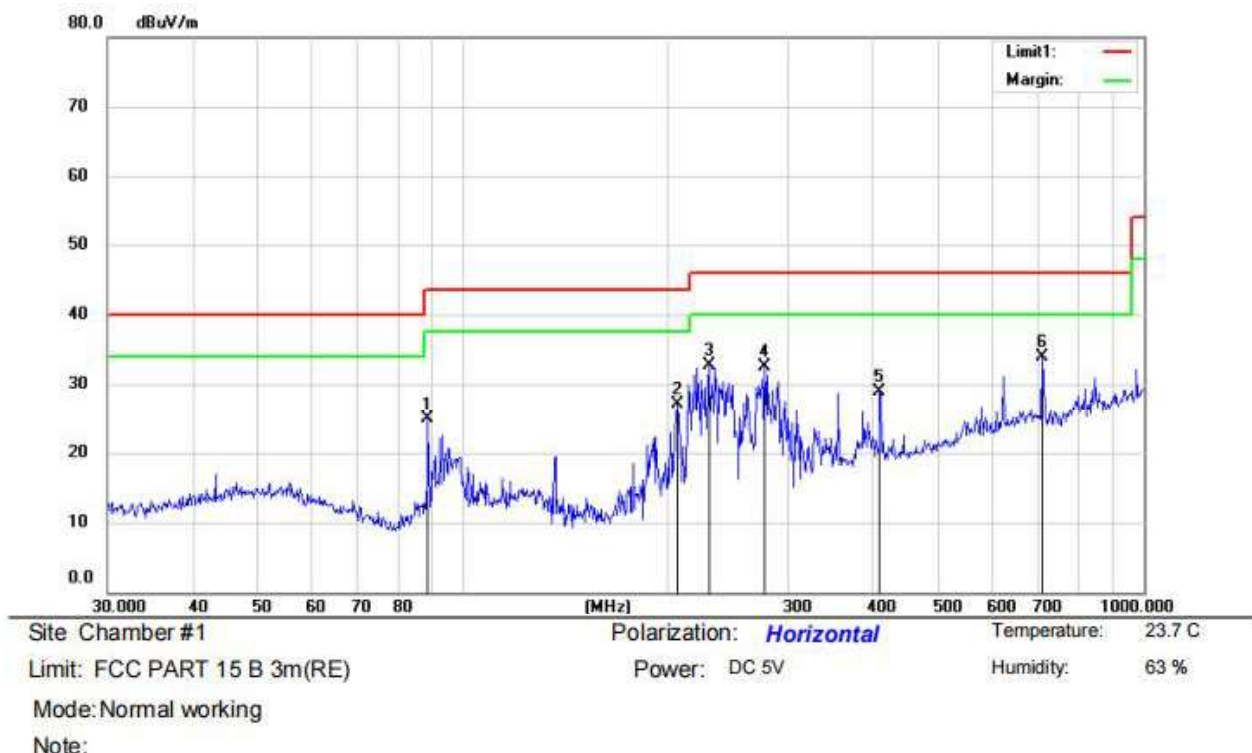
Margin (dB) = Emission Level (dB μ V/m) - Limit (dB μ V/m)

5.4. Measuring Results

PASS.

All the modes were tested and the worst data are attached the following pages.





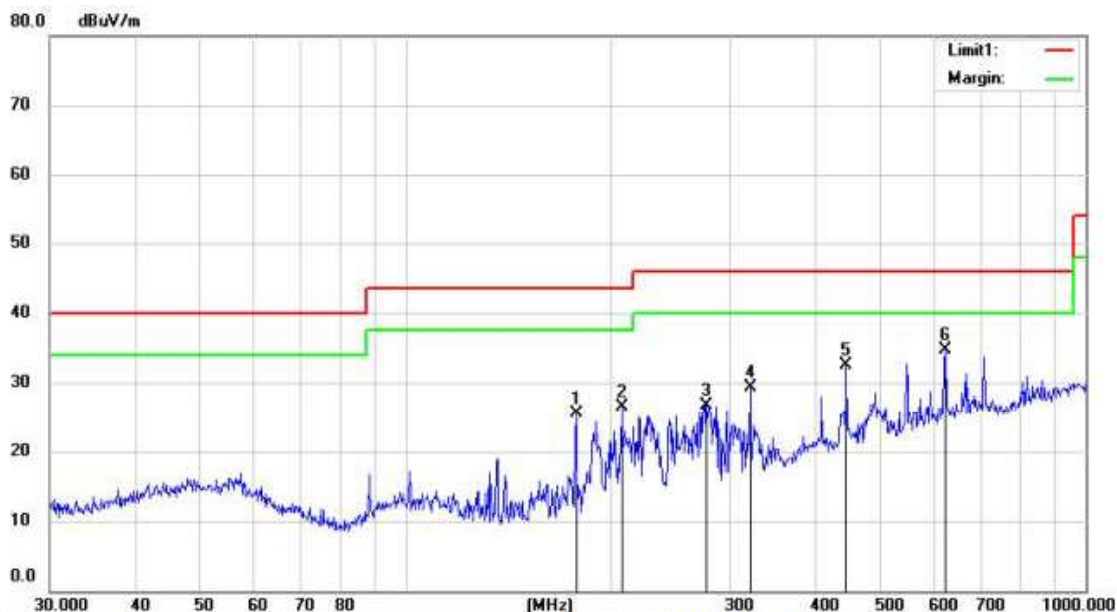
No.	Mk.	Freq. MHz	Reading Level dBuV	Ant. Factor dB/m	Pre Amp Gain dB	Cable loss dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	HI	Degree	Comment
1		88.6524	45.03	9.55	30.72	1.07	24.93	43.50	-18.57	QP		
2		206.3976	43.80	11.78	30.33	1.76	27.01	43.50	-16.49	QP		
3		229.2931	48.57	12.42	30.2	1.95	32.74	46.00	-13.26	QP		
4		277.0935	46.75	13.49	29.95	2.15	32.44	46.00	-13.56	QP		
5		408.9460	38.88	16.41	29.82	3.52	28.99	46.00	-17.01	QP		
6	*	709.1823	38.96	21.6	30.12	3.54	33.98	46.00	-12.02	QP		

*:Maximum data x:Over limit !:over margin

Operator: Ccyf

Remark:

1. Measurement (dB μ V/m) = Antenna Factor(dB) -Amp Factor(dB) +Cable Loss(dB) + Reading(dB μ V/m)
2. Over (dB) = Measurement (dB μ V/m) - Limit (dB μ V/m)



Site Chamber #1 Polarization: **Vertical** Temperature: 23.7 C
Limit: FCC PART 15 B 3m(RE) Power: DC 5V Humidity: 63 %
Mode: Normal working
Note:

No.	Mk.	Freq.	Reading	Ant.	Pre Amp	Cable	Measure-	Limit	Over	HI	Degree	
		MHz	Level	Factor	Gain	loss	ment			Detector	cm	deg.
			dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			Comment
1		178.1327	44.72	9.66	30.48	1.59	25.49	43.50	-18.01	QP		
2		207.8501	43.25	11.82	30.32	1.77	26.52	43.50	-16.98	QP		
3		277.0935	40.99	13.49	29.95	2.15	26.68	46.00	-19.32	QP		
4		321.0608	42.47	14.36	29.83	2.25	29.25	46.00	-16.75	QP		
5		444.8514	42.60	16.84	29.82	2.79	32.41	46.00	-13.59	QP		
6	*	620.7096	41.11	20.37	29.99	3.24	34.73	46.00	-11.27	QP		

*:Maximum data x:Over limit !:over margin

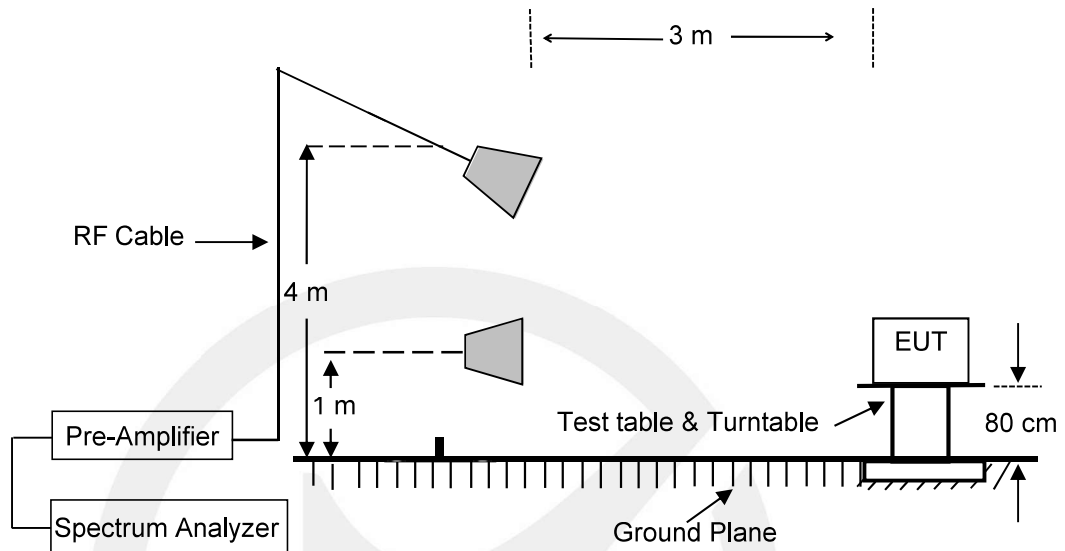
Operator: Ccyf

Remark:

1. Measurement (dB μ V/m) = Antenna Factor(dB) -Amp Factor(dB) +Cable Loss(dB) + Reading(dB μ V/m)
2. Over (dB) = Measurement (dB μ V/m) - Limit (dB μ V/m)

6. RADIATED EMISSION MEASUREMENT (ABOVE 1GHZ)

6.1 Block Diagram of Test Setup



6.2 Radiated Limit

FCC Part 15, Subpart B, Class B

Frequency range GHz	Average limit dB(μ V/m)	Peak limit dB(μ V/m)
Above 1000	54	74

Note: The highest internal source of an EUT is defined as the highest frequency generated or used in the device or on which the EUT operates or tunes. If the highest frequency of the internal sources of the EUT is less than 1.705 MHz, the measurement shall only be made up to 30 MHz. If the highest frequency of the internal sources of the EUT is between 1.705 MHz and 108 MHz, the measurement shall only be made up to 1 GHz. If the highest frequency of the internal sources of the EUT is between 108 MHz and 500 MHz the measurement shall only be made up to 2 GHz. If the highest frequency of the internal sources of the EUT is between 500 MHz and 1 GHz, the measurement shall only be made up to 5 GHz. If the highest frequency of the internal sources of the EUT is above 1 GHz, the measurement shall be made up to 5 times the highest frequency or 40 GHz, whichever is less.

6.3 Test Procedure

The EUT was placed on a non-conductive table whose total height equaled 80cm. All units of equipment forming the system under test (includes the EUT as well as connected peripherals and associated equipment or devices) shall be arranged such that a nominal 0.1 m separation is achieved between the neighboring units. Where the mains cable supplied by the manufacturer is longer than 1 m, the excess should be folded at the centre into a bundle no longer than 0.4 m, so that its length is shortened to 1 m.

The EUT was set 3 meters away from the receiving antenna that was mounted on a non-conductive mast. The antenna can move up and down between 1 to 4 meters to find out the

maximum emission level.

The turntable can rotate 360 degree to determine the position of the maximum emission level.

The initial testing identified the frequency that has the highest disturbance relative to the limit while operating the EUT in typical modes of operation and cable positions in a test setup representative of typical system configuration.

The identification of the frequency of highest emission with respect to the limit was found by investigating emissions at a number of significant frequencies. The probable frequency of maximum emission had been found and that the associated cable and EUT configuration and mode of operation had been identified.

The frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with peak detector for peak values, and use RBW=1 MHz and VBW=10 Hz with peak detector for Average Values.

Test results were obtained from the following equation:

Emission level (dB μ V/m) = Antenna Factor - Amp Factor + Cable Loss + Reading

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

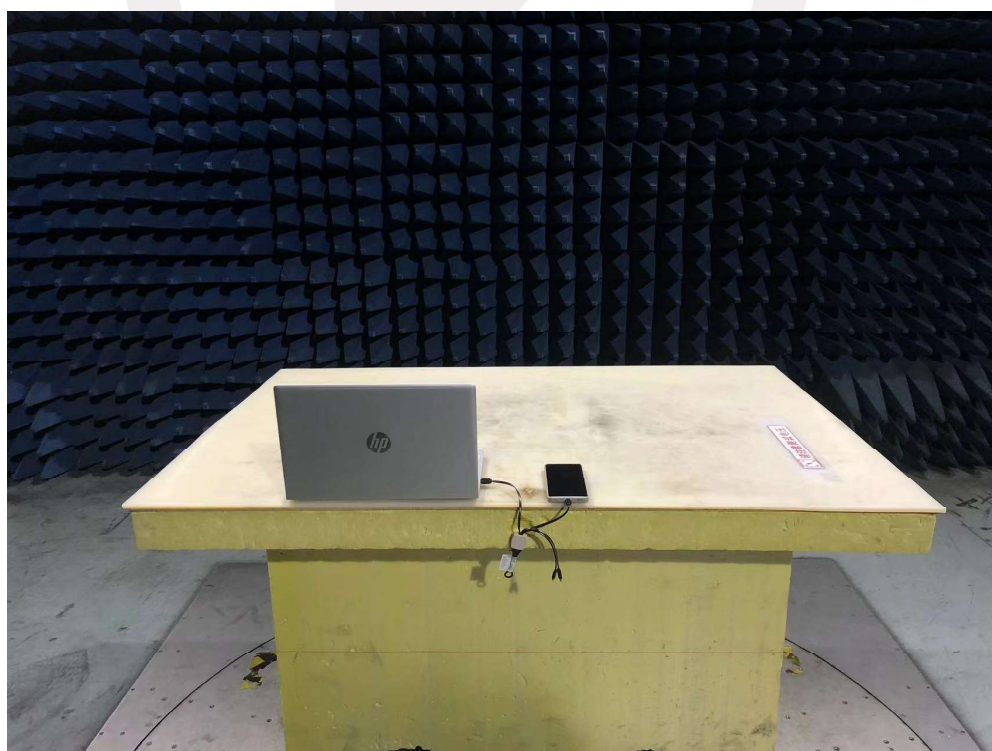
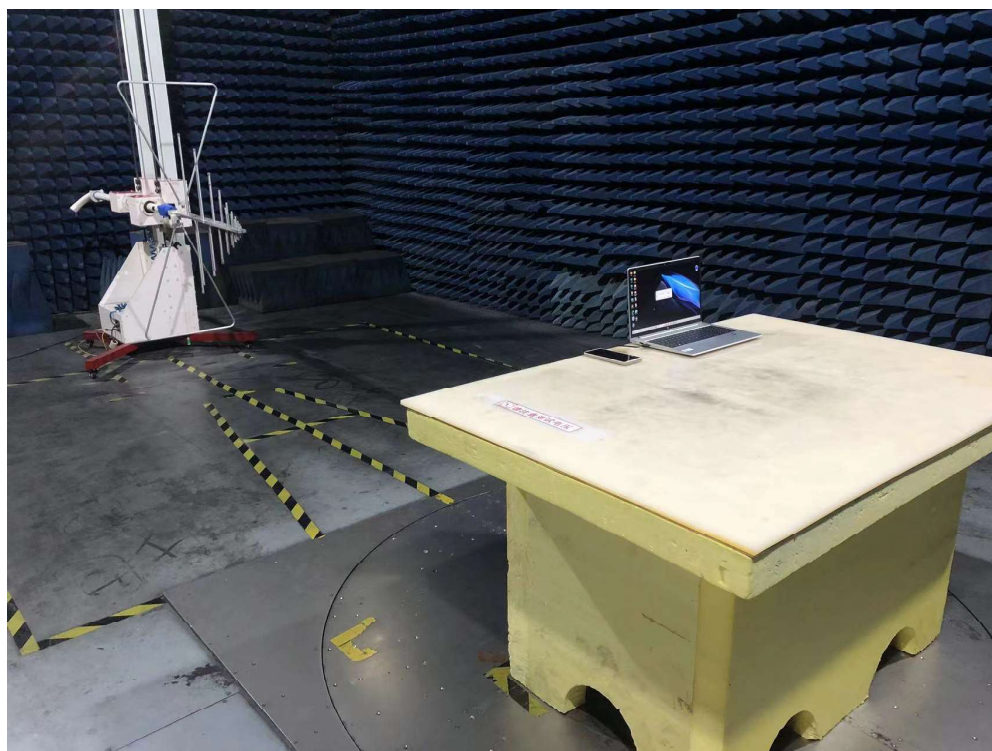
6.4 Measuring Results

N/A.

The highest frequency of the internal sources of the EUT is less than 108 MHz.

7. PHOTOGRAPHS

7.1. Photos of Radiation Emission Measurement



APPENDIX A: Label Requirements

- (1) Receivers associated with the operation of a licensed radio service, e.g., FM broadcast under part 73 of this chapter, land mobile operation under part 90 of this chapter, etc., shall bear the following statement in a conspicuous location on the device:
This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.
- (2) A stand-alone cable input selector switch, shall bear the following statement in a conspicuous location on the device:
This device complies with part 15 of the FCC Rules for use with cable television service.
- (3) All other devices shall bear the following statement in a conspicuous location on the device:
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



APPENDIX B: Warning Statement

(a) For a Class A digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

(b) For a Class B digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

APPENDIX C: Photos of EUT



*** End of Report ***

声明 Statement

1. 本报告无授权批准人签字及“检验报告专用章”无效；

This report will be void without authorized signature or special seal for testing report.

2. 未经许可本报告不得部分复制；

This report shall not be copied partly without authorization.

3. 本报告的检测结果仅对送测样品有效，委托方对样品的代表性和资料的真实性负责；

The test results or observations are applicable only to tested sample. Client shall be responsible for representativeness of the sample and authenticity of the material.

4. 本检测报告中检测项目标注有特殊符号则该项目不在资质认定范围内，仅作为客户委托、科研、教学或内部质量控制等目的使用；

The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.

5. 本检测报告以实测值进行符合性判定，未考虑不确定度所带来的风险，本实验室不承担相关责任，特别约定、标准或规范中有明确规定的除外；

The test results or observations are provided in accordance with measured value, without taking risks caused by uncertainty into account. Without explicit stipulation in special agreements, standards or regulations, EMTEK shall not assume any responsibility.

6. 对本检测报告若有异议，请于收到报告之日起 20 日内提出；

Objections shall be raised within 20 days from the date receiving the report.