

FCC Test Report

Test Report
On Behalf of
TRUSTSTONE GROUP, LLC
For
SOUND STATION
Model No.: PY-SSWCLED, PY-SSWCLED-GRY,
PY-SSWCLED-CRM

FCC ID: 2BBPLPYSSWCLED

Prepared For: TRUSTSTONE GROUP, LLC

1370 Broadway, 9th floor, New York, NY 10018 United States

Prepared By: Shenzhen HUAK Testing Technology Co., Ltd.

1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping,

Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Date of Test: Jun. 25, 2024 ~ Jul. 31, 2024

Date of Report: Jul. 31, 2024

Report Number: HK2406253354-2E

Page 2 of 24 Report No.: HK2406253354-2E

Test Result Certification

Applicant's Name.....: TRUSTSTONE GROUP, LLC

Address.....: 1370 Broadway, 9th floor, New York, NY 10018 United States

Manufacturer's Name: TRUSTSTONE GROUP, LLC

Address.....: 1370 Broadway, 9th floor, New York, NY 10018 United States

Product Description

Trade Mark: XO POPPY

Product Name SOUND STATION

Model and/or Type Reference: PY-SSWCLED, PY-SSWCLED-GRY, PY-SSWCLED-CRM

FCC Rules and Regulations Part 15 Subpart C (Section 15.209),

ANSI C63.10: 2013

This publication may be reproduced in whole or in part for non-commercial purposes as long as the Shenzhen HUAK Testing Technology Co., Ltd. is acknowledged as copyright owner and source of the material. Shenzhen HUAK Testing Technology 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.

Date of Test

Date (s) of Performance of Tests Jun. 25, 2024 ~ Jul. 31, 2024

Test Result..... Pass

Testing Engineer : Un limit

(Len Liao)

Technical Manager : Way

(Sliver Wan)

Authorized Signatory:

(Jason Zhou)



	Table of Conter	nts	Page
1 . Test Summar	ý		5
1.1 . Test Pro	cedures and Results		TESTING 5
1.2 . Informat	on of the Test Laboratory		, was 5
1.3 . Measure	ment Uncertainty		5
2. General Inform	nation		6
2.1. General I	Description of EUT		(a) HUM- 6
2.2. Carrier F	equency of Channels		7
2.3. Operation	n of EUT during Testing		Z Z
2.4. Description	on of Test Setup		HUMA TES HUMA 8
2.5. Description	on of Support Units		9
2.6. Measure	ment Instruments List		10
3. Conducted Em	ission Test		LAK TESTING
3.1. Block Dia	gram of Test Setup		11
3.2. Conducte	ed Power Line Emission Lir	nit	esting 11
3.3. Test Prod	edure		11
3.4. Test Res	ult		6 Marie 12
4. Radiated Emis	sions		14
4.1. Block Dia	gram of Test Setup		14
4.2. Rules and	d Specifications		15
4.3. Test Prod	edure		16
4.4. Test Res	ult		17
5. Antenna Requ	irement		mar Testing 21
6. Photograph of	Test		22
7. Photos of the I	EUT		24



Report No.: HK2406253354-2E Page 4 of 24

** Modified History **

Revi	ision		Description		Issue	d Data	Remark	
Revisi	on 1.0	Initial	Test Report R	elease	Jul. 3	1, 2024	Jason Zhou	í
ESTING		TING	ESTING		ESTING	SING	ST	NG.
NAK	HUAK		THAN IS	THE HUAK	100	THAK I	WAY IN	

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by HUAK,

this document cannont be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.cer-mark.com.





1. Test Summary

1.1. Test Procedures and Results

DESCRIPTION OF TEST	SECTION NUMBER	RESULT
CONDUCTED EMISSIONS TEST	15.207	COMPLIANT
RADIATED EMISSION TEST	15.209	COMPLIANT
ANTENNA REQUIREMENT	15.203	COMPLIANT

Note:

- 1. PASS: Test item meets the requirement.
- 2. Fail: Test item does not meet the requirement.
- 3. N/A: Test case does not apply to the test object.
- 4. The test result judgment is decided by the limit of test standard.

1.2. Information of the Test Laboratory

Shenzhen HUAK Testing Technology Co., Ltd.

Add.: 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Testing Laboratory Authorization:

A2LA Accreditation Code is 4781.01.

FCC Designation Number is CN1229.

Canada IC CAB identifier is CN0045.

CNAS Registration Number is L9589.

1.3. Measurement Uncertainty

Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.71dB, k=2
Radiated emission expanded uncertainty(9kHz-30MHz) = 3.90dB, k=2
Radiated emission expanded uncertainty(30MHz-1000MHz) = 3.90dB, k=2
Radiated emission expanded uncertainty(Above 1GHz) = 4.28dB, k=2

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by HUAK, this document cannon be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.cer-mark.com.



2. General Information

2.1. General Description of EUT

SOUND STATION
PY-SSWCLED
PY-SSWCLED-GRY, PY-SSWCLED-CRM
All model's the function, software and electric circuit are the same, only with a product color and model named different. Test sample mode: PY-SSWCLED.
XO POPPY
2BBPLPYSSWCLED
Coil Antenna
0dBi
112KHz~205KHz
130KHz
1 0
ASK TESTING
Type-C Input: DC5-9V/3A Wireless Output: 15W
Type-C Input: DC5-9V/3A Wireless Output: 15W

Note:

- 1. The transfer system includes one coils, 1 coils can work individually or can work at the same time. All situations have been tested, only the worst situation was recorded in the report.
- 2. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- 3. The cable loss data is obtained from the supplier.
- 4. The test results in the report only apply to the tested sample.







2.2. Carrier Frequency of Channels

Operation Fr	requency each of channel	AK TES	HUAKTE
Channel	Frequency	(9)	
01	130KHz		

2.3. Operation of EUT during Testing

Test Item	Test mode	Description
Radiated & Conducted	Mode 1	AC/DC Adapter + EUT + Mobile Phone (Battery Status: <1%)
Test Cases	Mode 2	AC/DC Adapter + EUT + Mobile Phone (Battery Status: <50%)
	Mode 3	AC/DC Adapter + EUT + Mobile Phone (Battery Status: <95%)

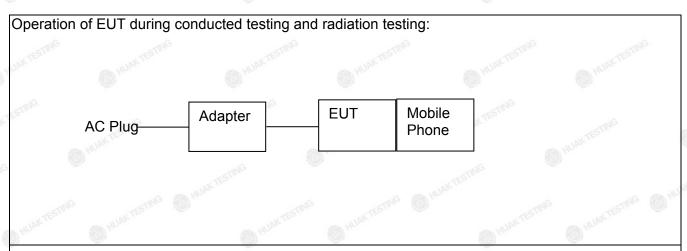
Note:

- 1. All modes and configurations above have been tested, Only the result of the worst case was recorded in the report, the worst-case configuration is Mode 1.
- 2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.
- 3. The Mobile Phone provided by Lab.
- 4. According to the manufacturer's design principle, the wireless charging power will reach its maximum when the client device's battery level is between 1% and 10%.

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by HUAK, this document cannon be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.cer-mark.com.



2.4. Description of Test Setup



The sample was placed (0.8m (30MHz~1GHz), 0.8m (9KHz~30MHz)) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. The worst case is X position.

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by HUAK, this document cannont be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.cer-mark.com.

2.5. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	· · Wark		Specification	Note
1	SOUND STATION	XO POPPY	PY-SSWCLED	N/A	EUT
2	USB Cable	N/A	N/A	Length: 1.0m	Accessory
HUAKTE	THE WARTESTING		HUAN TESTING HUAN TE	Input: AC100-240V, 50/60Hz, 2A Max USB-C1 Output: DC5V/3A, 9V3A, 12V/3A, 15V/3A, 20V/5A, 28V/5A 140W MAX	HUAY TESTING
3	Adapter	N/A N	CD289	USB-C2 Output: DC5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/5A 100W MAX USB-A Output: DC5V/4.5A, 4.5V/5A, 5V/3A, 9V/2A, 12V/1.5A 22.5W MAX Total Output: 140W Max	Peripheral
4	Mobile Phone	iPhone	iPhone 13	N/A	Peripheral
9)		(• W	

Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by HUAK, this document cannont be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.cer-mark.com.





2.6. Measurement Instruments List

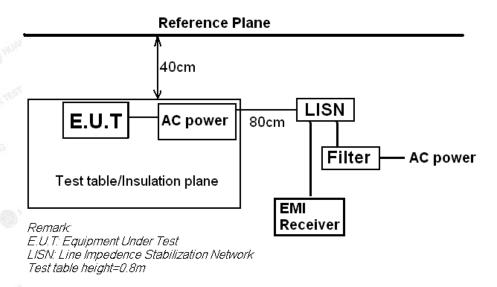
	casar cilicit ilisti t					
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	L.I.S.N.	R&S	ENV216	HKE-002	Feb. 20, 2024	1 Year
2.	L.I.S.N.	R&S	ENV216	6 HKE-059	Feb. 20, 2024	1 Year
3.	EMI Test Receiver	R&S	ESR	HKE-005	Feb. 20, 2024	1 Year
4.	Spectrum analyzer	Agilent	N9020A	HKE-048	Feb. 20, 2024	1 Year
5.	Spectrum analyzer	R&S	FSV3044	HKE-126	Feb. 20, 2024	1 Year
6.	Preamplifier	EMCI	EMC051845 S	HKE-006	Feb. 20, 2024	1 Year
7.	Preamplifier	Schwarzbeck	BBV 9743	HKE-016	Feb. 20, 2024	1 Year
8.	Preamplifier	A.H. Systems	SAS-574	HKE-182	Feb. 20, 2024	1 Year
9.	6dB Attenuator	Pasternack	6db	HKE-184	Feb. 20, 2024	1 Year
10.	EMI Test Receiver	Rohde & Schwarz	ESR-7	HKE-010	Feb. 20, 2024	1 Year
11.1	Broadband Antenna	Schwarzbeck	VULB9168	HKE-167	Feb. 21, 2024	2 Year
12.	Loop Antenna	COM-POWER	AL-130R	HKE-014	Feb. 21, 2024	2 Year
13.	Horn Antenna	Schwarzbeck	9120D	HKE-013	Feb. 21, 2024	2 Year
14.	EMI Test Software	Tonscend	JS32-CE 2.5.0.6	HKE-081	I NEST	G /
15.	EMI Test Software	Tonscend	JS32-RE 5.0.0	HKE-082	1 Harry	/
16.	10dB Attenuator	Schwarzbeck	VTSD9561F	HKE-153	Feb. 20, 2024	1 Year

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by HUAK, this document cannont be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.cer-mark.com.



3. Conducted Emission Test

3.1. Block Diagram of Test Setup



3.2. Conducted Power Line Emission Limit

According to FCC Part 15.207(a)

* DZ.*	10000	. 0		13/4/7				
F	Maximum RF Line Voltage (dBμV)							
Frequency (MHz)	CLAS	SS A	CLASS B					
(111112)	Q.P.	Ave.	Q.P.	Ave.				
0.15 - 0.50	79	66	66-56*	56-46*				
0.50 - 5.00	73	60	56	46				
5.00 - 30.0	73	60	60	50				

^{*} Decreasing linearly with the logarithm of the frequency

For intentional device, according to §15.207 Line Conducted Emission Limit is same as above table.

3.3. 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.
- 2. Support equipment, if needed, was placed as per ANSI C63.10.
- 3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
- 4. If a EUT received DC power from the USB Port of Notebook PC, the PC's adapter received AC120V/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.

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by HUAK, this document cannont be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.cer-mark.com.

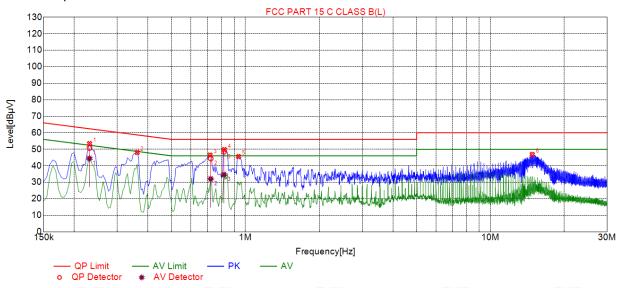


3.4. Test Result

PASS

All the test modes completed for test. Only the worst result of Full Load was reported as below:





Suspected List												
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Туре				
1	0.2310	53.44	19.83	62.41	8.97	33.61	PK	L				
2	0.3615	48.08	19.84	58.69	10.61	28.24	PK	L				
3	0.7170	46.50	19.86	56.00	9.50	26.64	PK	L				
4	0.8205	49.79	19.87	56.00	6.21	29.92	PK	L				
5	0.9375	45.58	19.87	56.00	10.42	25.71	PK	L				
6	14.8245	46.87	19.81	60.00	13.13	27.06	PK	L				

	Final	Final Data List											
,	NO.	Freq. [MHz]	Correction factor[dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	QP Reading [dBµV]	AV Value [dBµV]	ΑV Limit [dBμV]	AV Margin [dB]	AV Reading [dBµV]	Туре	
	1	0.2308	19.83	50.78	62.42	11.64	30.95	44.43	52.42	7.99	24.60	L	
	2	0.7215	19.87	44.42	56.00	11.58	24.55	32.04	46.00	13.96	12.17	L	
	3	0.8182	19.87	48.49	56.00	7.51	28.62	34.63	46.00	11.37	14.76	L	

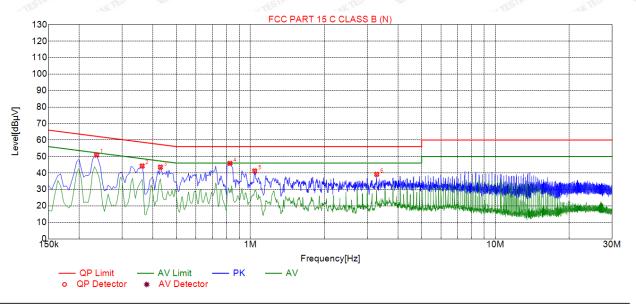
Remark: Margin = Limit – Level

Correction factor = Cable lose + LISN insertion loss Level=Test receiver reading + correction factor

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by HUAK, this document cannont be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.cer-mark.com.



Test Specification: Neutral



Sus	Suspected List														
NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Reading [dBµV]	Detector	Type							
1	0.2355	50.87	19.73	62.25	11.38	31.14	PK	N							
2	0.3615	44.24	19.73	58.69	14.45	24.51	PK	N							
3	0.4290	43.55	19.74	57.27	13.72	23.81	PK	N							
4	0.8250	45.86	19.74	56.00	10.14	26.12	PK	N							
5	1.0410	41.23	19.75	56.00	14.77	21.48	PK	N							
6	3.2775	39.20	19.95	56.00	16.80	19.25	PK	N							

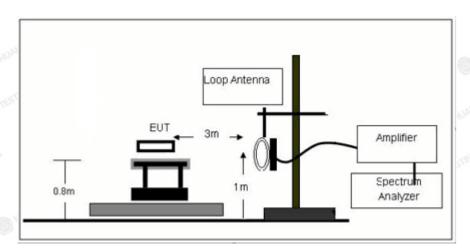
Remark: Margin = Limit – Level

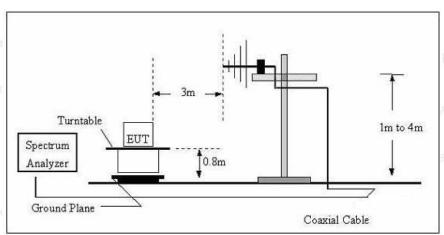
Correction factor = Cable lose + LISN insertion loss Level=Test receiver reading + correction factor



4. Radiated Emissions

4.1. Block Diagram of Test Setup





The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by HUAK, this document cannon be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.cer-mark.com.



4.2. Rules and Specifications

CFR 47 Part 15, section 15.205

Only spurious emissions are permitted in any of the frequency bands listed the tables in these sections.

MHz	MHz	MHz	GHz	
 0.090-0.110	16.42-16.423	399.9-410	4.5-5.15	
\1\ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46	
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75	
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5	
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2	
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5	
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7	
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4	
6.31175-6.31225	123-138	2200-2300	14.47-14.5	
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2	
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4	
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12	
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0	
12.29-12.293.	167.72-173.2	3332-3339	31.2-31.8	
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5	
12.57675-12.57725	322-335.4	3600-4400	(\2\)	
 13.36-13.41				

CFR 47 Part 15, section 15.209

The emissions from an intentional radiator shall not exceed the limits in the tables in these sections using an average detector.

Frequency (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

Limit calculation and transfer to 3m distance as showed in the following table:

Frequency	Limit	Distance
(MHz)	(dBuV/m)	(m)
0.009-0.490	20log(2400/F(KHz))+40log(300/3)	3
0.490-1.705	20log(24000/F(KHz))+40log(30/3)	3
1.705-30.0	69.5	3
30-88	40.0	3
88-216	43.5	3
216-960	46.0	3
Above 960	54.0	3

CFR 47 Part 15, section 15.35

When average radiated emission measurements are specified, the limit on the peak level of the radio Frequency emission is 20dB above the maximum permitted average emission limit.

	Transmitter Spurious Emissions 9KHz-30MHz									
STING TESTING () I'M	9-150KHz	150-490KHz	490KHz-30MHz							
Resolution Bandwidth	200Hz	9KHz	9KHz 30KHz Peak							
Video Bandwidth	600Hz	30KHz								
Detector	Peak	Peak								
Trace Mode	Max Hold	Max Hold	Max Hold							
Sweep Time	Auto	Auto	Auto							

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by HUAK, this document cannont be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.cer-mark.com.



Page 16 of 24 Report No.: HK2406253354-2E

4.3. Test Procedure

Measurement distance 3m

For the measurement range up to 30MHz in the following plots the field strength result from 3m Distance measurement are extrapolated to 300m and 30m distance respectively, by 40dB/decade, According to part 15.31(f)(2), per antenna factor scaling.

Measurements below 1000MHz are performed with a peak detector and compared to average limits, Measurements with an average detector are not required.

Note:

For battery operated equipment, the equipment tests shall be performed using a new battery.

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by HUAK, this document cannon be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.cer-mark.com.

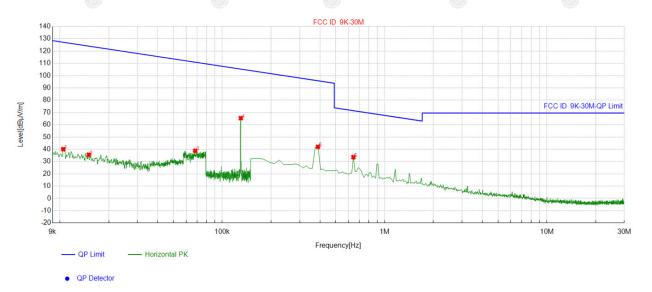


4.4. Test Result

PASS

Note: All the test modes completed for test. Only the worst result Full Load was reported as below:

For 9KHz - 30MHz Coaxial:



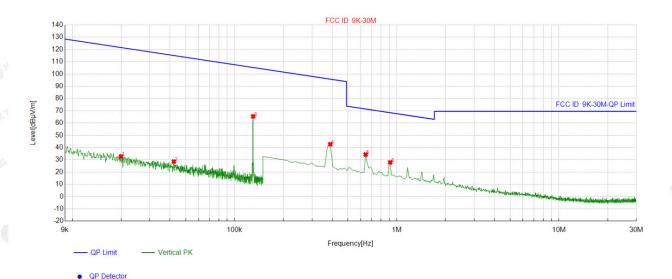
	Suspe	Suspected List									
	NO.	Freq.	Factor	Reading	Level	Limit	Margin				
1887		[MHz]	[dB]	[dBµV/m]	[dBµV/m]	[dBµV/m]	[dB]				
	1	0.010481	-10.78	50.91	40.13	127.18	87.05				
	2	0.015066	-10.78	46.35	35.57	124.03	88.46				
Y	3	0.068109	-10.53	49.33	38.80	110.93	72.13				
	4	0.130109	-10.60	76.01	65.41	105.31	39.90				
3	5	0.388919	-11.19	53.22	42.03	95.81	53.78				
	6	0.642771	-10.95	44.59	33.64	71.45	37.81				

Remark: Factor = Cable loss + Antenna factor - Preamplifier; Level = Reading + Factor; Margin = Limit - Level

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by HUAK, this document cannont be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.cer-mark.com.



Coplanar:



Suspected List

•						
3	Freq.	Factor	Reading	Level	Limit	Margin
NO.	[MHz]	[dB]	[dBµV/m]	[dBµV/m]	[dBµV/m]	[dB]
1	0.019933	-10.77	43.55	32.78	121.60	88.82
2	0.042222	-10.38	38.94	28.56	115.08	86.52
3	0.130109	-10.60	76.08	65.48	105.31	39.83
4	0.388919	-11.19	53.86	42.67	95.81	53.14
5	0.642771	-10.95	45.28	34.33	71.45	37.12
6	0.911556	-10.89	38.78	27.89	68.42	40.53

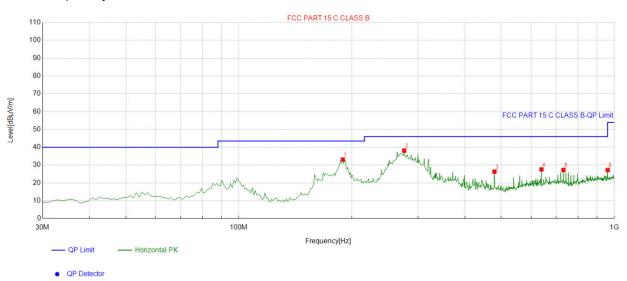
Remark: Factor = Cable loss + Antenna factor – Preamplifier; Level = Reading + Factor; Margin = Limit – Level





For 30MHz-1GHz

Antenna polarity: H



A	Suspe	Suspected List										
4	NO	Freq.	Factor	Reading	Level	Limit	Margin	Height	Angle	Delecito		
	NO.	[MHz]	[dB]	[dBµV/m]	[dBµV/m]	[dBµV/m]	[dB]	[cm]	[°]	Polarity		
3	1	189.23923	-15.52	48.64	33.12	43.50	10.38	100	92	Horizontal		
	2	275.65565	-12.70	50.81	38.11	46.00	7.89	100	330	Horizontal		
	3	479.55956	-8.27	34.59	26.32	46.00	19.68	100	96	Horizontal		
	4	639.76977	-5.26	32.88	27.62	46.00	18.38	100	208	Horizontal		
6	5	732.01201	-3.49	30.76	27.27	46.00	18.73	100	106	Horizontal		
	6	960.19019	-0.54	27.78	27.24	54.00	26.76	100	1	Horizontal		

Remark: Factor = Cable loss + Antenna factor – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by HUAK, this document cannont be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.cer-mark.com.



Antenna polarity: V



	Suspe	cted List								
ł		Freq.	Factor	Reading	Level	Limit	Margin	Height	Angle	
<	NO.	[MHz]	[dB]	[dBµV/m]	[dBµV/m]	[dBµV/m]	[dB]	[cm]	[°]	Polarity
	1	95.055055	-15.40	47.14	31.74	43.50	11.76	100	165	Vertical
	2	186.32632	-15.96	43.68	27.72	43.50	15.78	100	39	Vertical
3	3	275.65565	-12.70	46.97	34.27	46.00	11.73	100	43	Vertical
	4	299.92993	-11.71	44.51	32.80	46.00	13.20	100	0	Vertical
	5	399.93994	-9.84	37.66	27.82	46.00	18.18	100	4	Vertical
	6	479.55956	-8.27	36.18	27.91	46.00	18.09	100	284	Vertical

Remark: Factor = Cable loss + Antenna factor – Preamplifier; Level = Reading + Factor; Margin = Limit – Level



5. Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR 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.

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 antenna used in this product is a Coil Antenna, which permanently attached. It conforms to the standard requirements. The directional gains of antenna used for transmitting is 0dBi.

Antenna

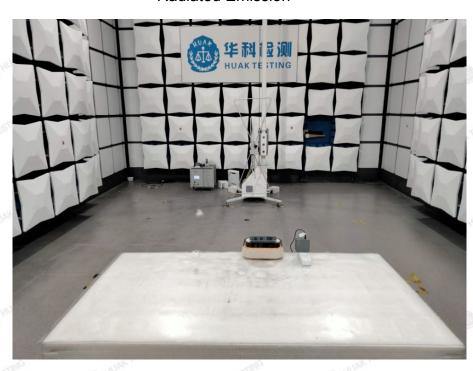


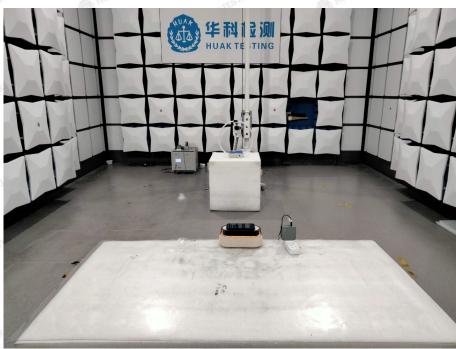
The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by HUAK, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.cer-mark.com.



6. Photograph of Test

Radiated Emission

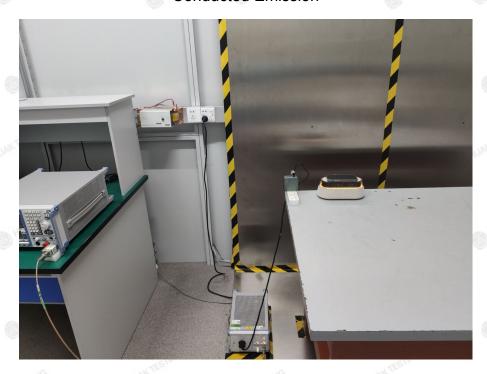




The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by HUAK, this document cannon be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.cer-mark.com.



Conducted Emission



The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by HUAK, this document cannon be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.cer-mark.com.



7. Photos of the EUT

Reference to the report: ANNEX A of external photos and ANNEX B of internal photos.

-----End of test report-----