

Issued for

Shenzhen Yize Innovation Technology Co., Ltd.

201, 2nd Floor, Building 3, Yunli Smart Park, Bantian Street, Longgang District, Shenzhen, CN

Product Name: 3-in-1 charging station

Brand Name: N/A

Model Name: E8

Series Model(s): N/A

FCC ID: 2BA6N-E8

Test Standards: FCC Part 15 Subpart C

Any reproduction of this document must be done in full. No single part of this document may be reproduced without permission from CTA, all test data presented in this report is only applicable to presented test sample.



Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China



#### **TEST REPORT**

S		
Product Description		
Address:	Second floor, No. 7, Honghua Lane, Chihua Ling, Guihua Community, Guanlan Street, Longhua District, Shenzhen	
Manufacturer's Name:	Shenzhen Yuanwangxing Technology Co., LTD.	
Address:	201, 2nd Floor, Building 3, Yunli Smart Park, Bantian Street, Longgang District, Shenzhen, CN	
Applicant's Name:	Shenzhen Yize Innovation Technology Co., Ltd.	

5	Product Name:	3-in-1 charging station
	Brand:	N/A
	Model Number:	E8
	Series Model(s):	N/A CTA Y
	Test Standards	FCC Part 15 Subpart C
	Test Procedure:	ANSI C63.10-2013

This device described above has been tested by CTA, the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

This report shall not be reproduced except in full, without the written approval of CTA, this document only be altered or revised by CTA, personal only, and shall be noted in the revision of the document.

Date of Test	TEST	
Date of receipt of test item:	24 Oct. 2023	
Date (s) of performance of tests :	24 Oct. 2023 ~ 04 Nov. 2023	
Date of Issue:	04 Nov. 2023	
Test Result	Pass	
Testing Enginee	r : Zoey Card	TA TESTING
	(Zoey Cao)	
Technical Manag	ger: Anny Wan	
CTATESIN'	(Amy Wen)	
Authorized Sign	atory: Evic Wang	
	(Eric Wang)	
		CACTA

Table of Contents Page 1. SUMMARY OF TEST RESULTS 5 **1.1 TEST FACTORY** 5 **1.2 MEASUREMENT UNCERTAINTY** 5 2. GENERAL INFORMATION 6 2.1 GENERAL DESCRIPTION OF THE EUT 6 2.2 DESCRIPTION OF THE TEST MODES 7 2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED 8 2.4 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS 9 2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS 10 3. CONDUCTED EMISSION TEST RESULT (SECTION 15.207) 12 CTP12 3.1 POWER LINE CONDUCTED EMISSION LIMITS 3.2 TEST PROCEDURE 3.3 TEST SETUP 13 3.4 EUT OPERATING CONDITIONS 13 3.5 TEST RESULTS 14 4. RADIATED& FIELD EMISSION TEST RESULT (SECTIOU 15.209) 16 GM CTATESTING **4.1 LIMIT** 16 **4.2 TEST PROCEDURE** 16 4.3 TEST SETUP 17 **4.4 TEST RESULTS** 18 5. 20 DB BANDWIDTH TEST 21 **5.1 LIMIT** 21 5.2 TEST SETUP 21 5.3 TEST RESULTS 21 CTA TESTING **APPENDIX-PHOTOS OF TEST SETUP** 

Page 3 of 22

# Page 4 of 22

# Report No.: CTA231109004W02

### **Revision History**

Rev.	Issue Date	Report No.	Effect Page	Contents
00	04 Nov. 2023	CTA231109004W02	ALL	Initial Issue
		(CTA)		TESTIN
			E	GIN

#### 1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

	Standard Section	Test Item	Judgment	Remark
	15.207	Conducted Emission	PASS	
	15.209(a)	Radiated emission, Spurious Emission	PASS	G
-EST	2.1049 X	20 dB Bandwidth	PASS	

Shenzhen CTA Testing Technology Co., Ltd. CTA TESTING Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China FCC test Firm Registration Number: 517856 IC test Firm Registration Number: 27890 A2LA Certificate No.: 6534.01 IC CAB ID: CN0127

#### **1.2 MEASUREMENT UNCERTAINTY**

The reported uncertainty of measurement  $\mathbf{v} \pm \mathbf{U}$ , where expended uncertainty  $\mathbf{U}$  is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

Range	Measurement Uncertainty	
30~1000MHz	4.06 dB	
1~18GHz	5.14 dB	C
18-40GHz	5.38 dB	
0.15~30MHz	2.14 dB	and the second sec
30MHz~18GHz	0.55 dB	
/	0.57 dB	
/	1.1%	
30~1000MHz	4.10 dB	
1~18GHz	4.32 dB	TATESTING
18-40GHz	5.54 dB	TAV
	30~1000MHz 1~18GHz 18-40GHz 0.15~30MHz 30MHz~18GHz / / 30~1000MHz 1~18GHz	Range Uncertainty   30~1000MHz 4.06 dB   1~18GHz 5.14 dB   18-40GHz 5.38 dB   0.15~30MHz 2.14 dB   30MHz~18GHz 0.55 dB   / 0.57 dB   / 1.1%   30~1000MHz 4.10 dB   1~18GHz 4.32 dB

#### 2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

	TING	1
Product Name	3-in-1 charging station	
Brand	N/A	
Model Number	E8	
Series Model(s)	N/A	- CTP
Model Difference	N/A	GIA
Channel List	Please refer to the Note 2.	
Antenna Type	Please refer to the Note 3.	
Equipemnt Category	Non-ISM frequency	
Operating frequency	110.5-205KHz	TING
Modulation Type	PFM	51"
Rating:	Input: 12V 3A DC Output: Output 1 for iPhone: DC 5V 3A, DC 9V 2.77A, DC 3.3-11V 2.75A Output 2 for Watch: DC 5V 0.6A Output 3 for earphone: DC 5V 1A	
Adapter	Input: 100-240V~ 50/60Hz, 1.0A MAX Output: 12V 3A	
Hardware version number	N/A	
Software version number	N/A	
Connecting I/O Port(s)	Please refer to the Note 1.	TP

## Note: CTATES

1. For a more detailed features description, please refer to the manufacturer's specifications or the User Manual.

2

•		TING
	Te	st channel list
	Coil	Frequency(KHz)
	1.00	126.7
	1	

#### 3. Table for Filed Antenna

		Test char	nnel list			
	Coil Frequency(KHz)					
	1		126.7	TE	STING	
3.	Table for	r Filed Anten	na	CTA '		
	Ant.	Brand	Model Name	Antenna Type	Connector	NOTE
	1	N/A	E8	Coil	N/A	Antenna
	<b>I</b>	6				Constant and a second se
		STING				
	TATE	STING				

#### 2.2 DESCRIPTION OF THE TEST MODES

CTATESTING

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description	
Mode 1	Watch Wireless charging+ Phone charging+earphone charging	
Mode 2	Watch Wireless charging + Phone charging	
Mode 3	Watch Wireless charging +earphone charging	
Mode 4	Watch Wireless charging only	

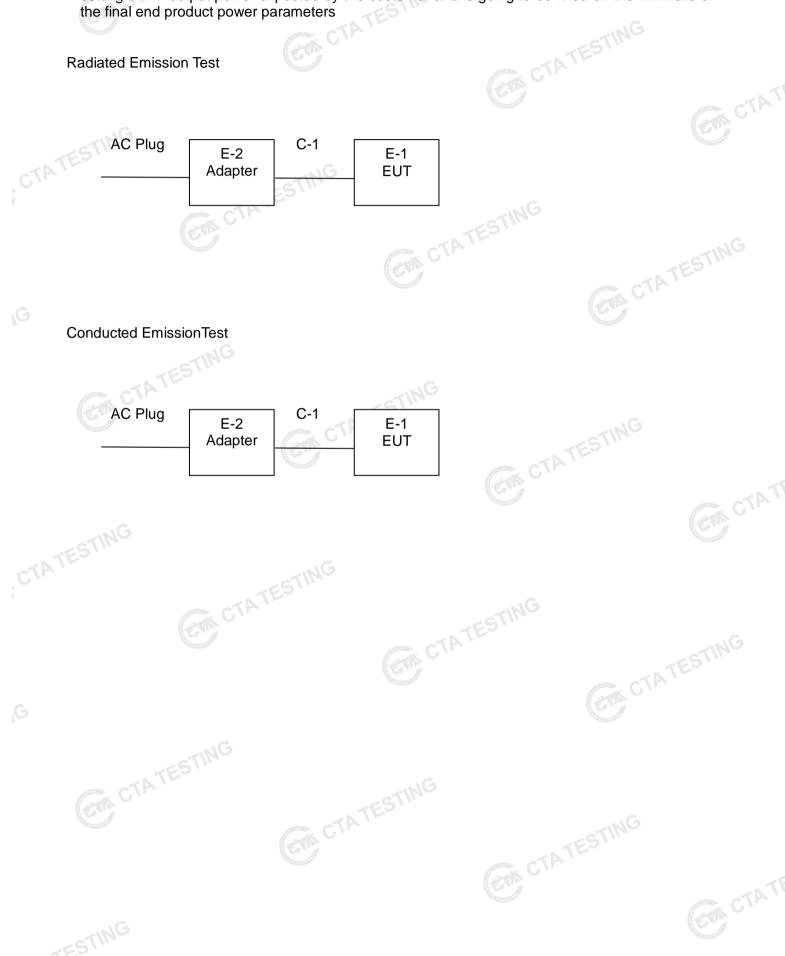
	Mode 2	Watch Wireless charging + Phone charging
	Mode 3	Watch Wireless charging +earphone charging
CTATESTING	Mode 4	Watch Wireless charging only
Ĩ	-17	E2.
		For Conducted Emission
	Final Test Mode	Description
	Mode 1	Watch Wireless charging+ Phone charging+earphone charging
G	Mode 2	Watch Wireless charging + Phone charging
	Mode 3	Watch Wireless charging +earphone charging
<i>—</i> (	Mode 4	Watch Wireless charging only
(51)		. TES''

	For Radiated Emission	
Final Test Mode	Description	
Mode 1	Watch Wireless charging+ Phone charging+earphone charging	
Mode 2	Watch Wireless charging + Phone charging	
Mode 3	Watch Wireless charging +earphone charging	
Mode 4	Watch Wireless charging only	
Gr	GA CTATESTINC	TE



#### 2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters



1G

#### Page 9 of 22

#### 2.4 DESCRIPTION OF NECESSARY ACCESSORIES AND 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. CTING . .

			Ne	cessary accessories			
	Item	Equipment	Mfr/Brand	Model/Type No.	Length	Note	
		Adapter	N/A	HH0024Z-090200-AG	N/A	N/A	
		DC Cable	N/A	N/A	100cm	NO	
		phone	Xiao mi	12 Pro	N/A	N/A	K C
	STI	Watch	Samsung	Active2(E060)	N/A	N/A	
CTATE	j.	Headphone charging box	Samsung	SM-R180	N/A	N/A	
1		1	ATE	Support units	NG		

			Support units		
ltem	Equipment	Mfr/Brand	Model/Type No.	Length	Note
N/A	N/A	N/A	N/A CTP	N/A	N/A
			G		ATES
				GIA O	
	-ING				
	TESTIN		. C		1
Note	CTA -		ESTING		

(1) For detachable type I/O cable should be specified the length in cm in <sup>C</sup>Length<sub>2</sub> column.

GTA CTATES (2) "YES" is means "with core"; "NO" is means "without core".

#### 2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS Radiation Test equipment

Test Equipment	Manufacturer	Model No.	Equipment No.	Calibration Date	Calibration Due Date
LISN	R&S	ENV216	CTA-308	2023/08/02	2024/08/01
LISN	R&S	ENV216	CTA-314	2023/08/02	2024/08/01
EMI Test Receiver	R&S	ESPI	CTA-307	2023/08/02	2024/08/01
EMI Test Receiver	R&S	ESCI	CTA-306	2023/08/02	2024/08/01
Spectrum Analyzer	Agilent	<sup>©</sup> N9020A	CTA-301	2023/08/02	2024/08/01
Spectrum Analyzer	R&S	FSP	CTA-337	2023/08/02	2024/08/01
Vector Signal generator	Agilent	N5182A	CTA-305	2023/08/02	2024/08/01
Analog Signal Generator	R&S	SML03	CTA-304	2023/08/02	2024/08/01
WIDEBAND RADIO COMMUNICATIO N TESTER	CMW500	R&S	CTA-302	2023/08/02	2024/08/01
Temperature and humidity meter	Chigo	ZG-7020	CTA-326	2023/08/02	2024/08/01
Ultra-Broadband Antenna	Schwarzbeck	VULB9163	CTA-310	2023/10/17	2024/10/16
Horn Antenna	Schwarzbeck	BBHA 9120D	CTA-309	2023/10/13	2024/10/12
Loop Antenna	Zhinan	ZN30900C	CTA-311	2023/10/17	2024/10/16
Horn Antenna	Beijing Hangwei Dayang	OBH100400	CTA-336	2021/08/07	2024/08/06
Amplifier	Schwarzbeck	<sup>6</sup> BBV 9745	CTA-312	2023/08/02	2024/08/01
Amplifier	Taiwan chengyi	EMC051845B	CTA-313	2023/08/02	2024/08/01
Directional coupler	NARDA	4226-10	CTA-303	2023/08/02	2024/08/01
High-Pass Filter	XingBo	XBLBQ-GTA18	CTA-402	2023/08/02	2024/08/01
High-Pass Filter	XingBo	XBLBQ-GTA27	CTA-403	2023/08/02	2024/08/01
Automated filter bank	Tonscend	JS0806-F	CTA-404	2023/08/02	2024/08/01
Power Sensor	Agilent	U2021XA	CTA-405	2023/08/02	2024/08/01
Amplifier	Schwarzbeck	BBV9719	CTA-406	2023/08/02	2024/08/01

G



Test Equipment	Manufacturer	Model No.	Version number	Calibration Date	Calibration Due Date
EMI Test Software	Tonscend	TS®JS32-RE	5.0.0.2	N/A	N/A
EMI Test Software	Tonscend	TS®JS32-CE	5.0.0.1	N/A	N/A
RF Test Software	Tonscend	TS®JS1120-3	3.1.65	N/A	N/A
RF Test Software	Tonscend	TS®JS1120	3.1.46	N/A	N/A



#### 3. CONDUCTED EMISSION TEST RESULT (SECTION 15.207)

#### 3.1 POWER LINE CONDUCTED EMISSION LIMITS

The radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table.

	Class B	(dBuV)
FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

CTATESTING Note:

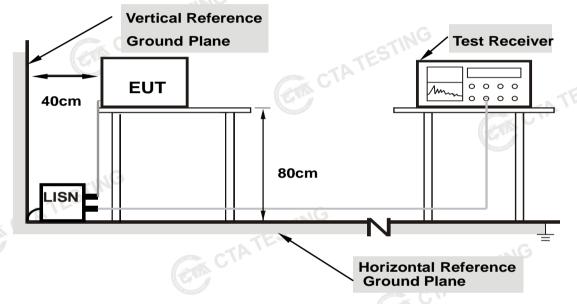
- (1) The tighter limit applies at the band edges.
- (2) The limit of "\*" marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

#### The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz
CTATES CTATES	TING

#### **3.2 TEST PROCEDURE**

- a. The EUT is 0.8 m from the horizontal ground plane and 0.4 m from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments are powered from additional LISN(s). The LISN provides 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN is at least 80 cm from the nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.
- 3.3 TEST SETUP



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes support units.

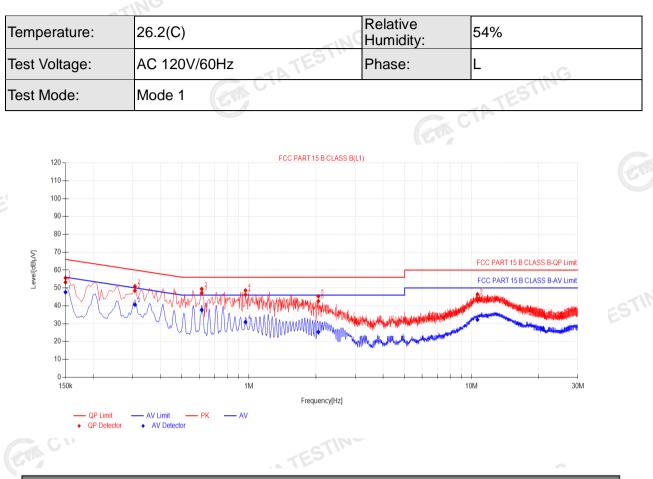
#### 3.4 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

#### Page 14 of 22



#### 3.5 TEST RESULTS

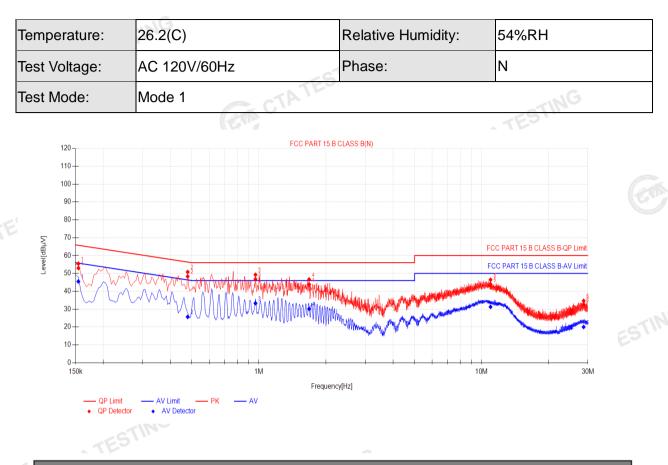


Fi	Final Data List												
N	NO.	Freq. [MHz]	Factor (dB)	QP Readingid <u>B</u>	QP Value IdBuVJ	QP Limit IdBuVJ	QP Margin [dB]	AV Reading IdBu\J	AV Value IdBuVJ	AV Limit IdBu\J	AV Margin (dB)	Verdict	
	1	0.15	10.50	42.67	53.17	66.00	12.83	37.12	47.62	56.00	8.38	PASS	C.TP
	2	0.3075	10.50	38.01	48.51	60.04	11.53	30.12	40.62	50.04	9.42	PASS	
	3	0.6135	10.50	38.56	47.06	56.00	8.94	27.23	37.73	46.00	8.27	PASS	2 Martin State
-ES	4	0.9645	10.50	35.68	46.18	56.00	9.82	20.39	30.89	46.00	15.11	PASS	
TATES	5	2.049	10.50	32.10	42.60	56.00	13.40	14.83	25.33	46.00	20.67	PASS	
	6	10.6215	10.50	32.96	43.45	60.00	16.54	21.73	32.23	50.00	17.77	PASS	

Note:1).QP Value ( $dB\mu V$ )= QP Reading ( $dB\mu V$ )+ Factor (dB)

- 2). Factor (dB)=insertion loss of LISN (dB) + Cable loss (dB)
- 3). QPMargin(dB) = QP Limit (dB $\mu$ V) QP Value (dB $\mu$ V)
- 4). AVMargin(dB) = AV Limit (dB $\mu$ V) AV Value (dB $\mu$ V)
- 5). All modes have been tested, only show the worst case.





۶ í	Final Data List												
N.	NO.	Freq. [MHz]	Factor (dB)	QP Readingid <u>B</u> UV	QP Value IdBUVJ	QP Limit IdBuVJ	QP Margin (dB)	AV Reading IdBuVJ	AV Value IdBUVJ	AV Limit IdBuVJ	AV Margin (dB)	Verdict	
	1	0.1545	10.50	42.49	52.99	65.75	12.76	34.99	45.49	55.75	10.26	PASS	
	2	0.4785	10.50	37.82	48.32	56.37	8.05	15.16	25.66	46.37	20.71	PASS	1
	3	0.9645	10.50	36.28	46.78	56.00	9.22	22.80	33.30	45.00	12.70	PASS	AT
	4	1.68	10.50	33.35	43.85	56.00	12.15	19.65	30.15	46.00	15.85	PASS	CTA'
	5	10.968	10.50	33.47	43.97	60.00	16.03	20.76	31.26	50.00	18.74	PASS	
	6	28.7115	10.50	22.07	32.57	60.00	27.43	9.51	20.01	50.00	29.99	PASS	a second second

CTATES Note:1).QP Value ( $dB\mu V$ )= QP Reading ( $dB\mu V$ )+ Factor (dB)

- 2). Factor (dB)=insertion loss of LISN (dB) + Cable loss (dB)
- $\sqrt{2}$  Value (dBµV)  $\sqrt{2}$  Value (dBµV)  $\sqrt{2}$  Value (dBµV) 5). All modes have been tested, only show the worst case.

#### Page 16 of 22

#### RADIATED& FIELD EMISSION TEST RESULT (SECTIOU 15.209)

**4.1 LIMIT** 

Frequency [MHz]	Field Strength [uV/m]	Measurement Distance [Meters]	
0.009 ~ 0.490	2400/F (kHz)	300	
0.490 ~ 1.705	24000/F (kHz)	30	
1.705 ~ 30	30	30	
30 ~ 88	100	3	
88 ~ 216	150	3	
216 ~ 960	200	3	K G'V
Above 960	500	3	

# Note:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m)

(3) Emission level (dBuV/m)=20log Emission level (uV/m).						
Receiver Parameter	Setting					
Attenuation	Auto					
Start ~ Stop Frequency	9kHz~90kHz / RB 200Hz for AV					
Start ~ Stop Frequency	90kHz~110kHz / RB 200Hz for QP					
Start ~ Stop Frequency	110kHz~490kHz / RB 200Hz for AV					
Start ~ Stop Frequency	490kHz~30MHz / RB 9kHz for QP					
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP					

§ 15.209(d)The emission limits shown in the above table are based on measurements employing a CISPR guasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

#### 4.2 TEST PROCEDURE

- a. The measuring distance of at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz.
- b. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- d. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.

e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

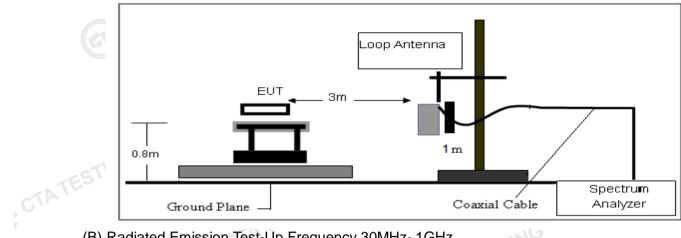
Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

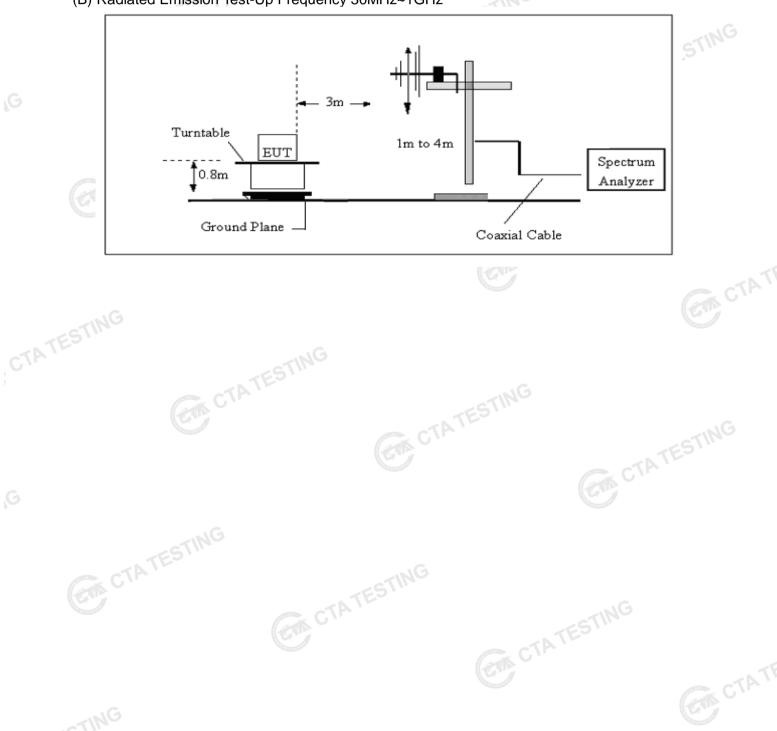


#### 4.3 TEST SETUP

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



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



#### Page 18 of 22

#### Report No.: CTA231109004W02

ESTING

#### 4.4 TEST RESULTS

Г

Temperature :	<b>23.1</b> ℃	Relative Humidity :	60%
Test Voltage :	AC 120V/60Hz	Test Mode :	Mode 1

4.4.1 Spurious Radiated Emission Below 30 MHz

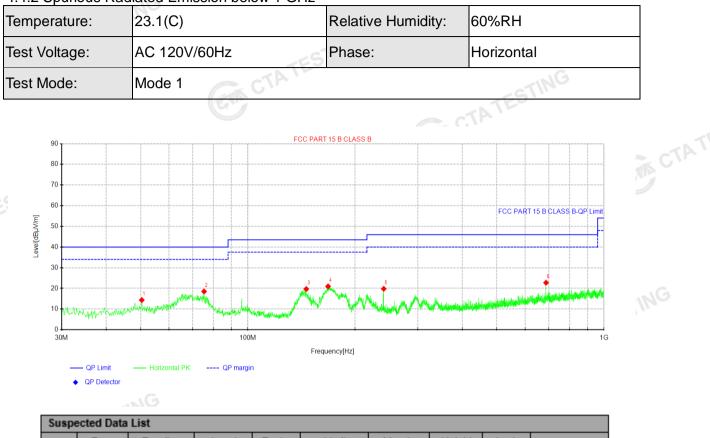
9KHz-150KHz

	No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark	
		(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)		CTAT
	1	0.0170	6.17	19.88	26.05	123.00	-96.95	AVG	C
~0	2	0.0331	6.29	19.84	26.13	117.21	-91.08	AVG	
CTATES	3	0.0518	13.61	19.45	33.06	113.32	-80.26	AVG	
	4	0.0706	11.89	18.92	30.81	110.63	-79.82	AVG	
,	5	0.1280	43.39	17.54	60.93	9105.46	-44.53	peak Fundamental	GIG
	6	0.1444	19.73	17.51	37.24	104.41	-67.17	AVG	LIVe -
				150KHz	-30MHz		G	CTA	

#### 150KHz-30MHz

						723 434	1
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1.1	0.2396	18.75	19.83	38.58	100.01	-61.43	AVG
2	0.5081	12.18	20.20	32.38	73.48	-41.10	QP
3	2.0007	14.07	20.40	34.47	69.50	-35.03	QP
4	3.1350	10.98	20.14	31.12	69.50	-38.38	QP
5	7.9706	8.36	20.32	28.68	69.50	-40.82	QP
6	19.9404	6.41	22.49	28.90	69.50	-40.60	QP
TING							





- 1	Suspe	ected Data	List							
	NO.	Freq.	Reading	Level	Factor	Limit	Margin	Height	Angle	Polarity
	NO.	[MHz]	[dBµ∨]	[dBµ∨/m]	[dB/m]	[dBµ∖//m]	[dB]	[cm]	[°]	Polarity
۲Ľ	1	50.37	30.51	14.37	-16.14	40.00	25.63	100	359	Horizontal
	2	75.3475	39.64	18.52	-21.12	40.00	21.48	100	10	Horizontal
	3	145.915	41.47	19.70	-21.77	43.50	23.80	100	342	Horizontal
	4	167.982	42.12	20.96	-21.16	43.50	22.54	100	327	Horizontal
	5	240.732	38.06	19.81	-18.25	46.00	26.19	100	138	Horizontal
	6	687.538	34.50	22.76	-11.74	46.00	23.24	100	342	Horizontal

Note:1).Level (dBµV/m)= Reading (dBµV)+ Factor (dB/m) 2). Factor(dB/m)=Antenna Factor (dB/m)

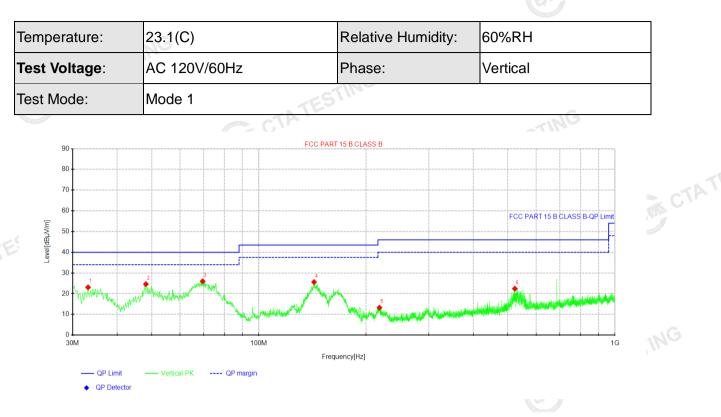
2). Factor(dB/m)=Antenna Factor (dB/m) + Cable loss (dB) - Pre Amplifier gain (dB)

- 3). Margin(dB) = Limit (dBµV/m) Level (dBµV/m)
- GTA TESTING 4). All modes have been tested, only show the worst case.

## GI

Page 20 of 22

Report No.: CTA231109004W02



	Suspe	ected Data	List							
	NO.	Freq.	Reading	Level	Factor	Limit	Margin	Height	Angle	Polarity
	NO.	[MHz]	[dBµV]	[dBµ∨/m]	[dB/m]	[dBµ∖//m]	[dB]	[cm]	[°]	Polarity
١Ľ	1	33.1525	41.25	23.07	-18.18	40.00	16.93	100	257	Vertical
í E	2	48.1875	40.82	24.61	-16.21	40.00	15.39	100	2	Vertical
	3	69.5275	46.75	25.99	-20.76	40.00	14.01	100	172	Vertical
	4	142.883	47.39	25.61	-21.78	43.50	17.89	100	215	Vertical
	5	218.058	32.11	13.25	-18.86	46.00	32.75	100	283	Vertical
	6	523.366	36.34	22.42	-13.92	46.00	23.58	100	0	Vertical

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) = Limit (dBµV/m) Level (dBµV/m)
- 4). All modes have been tested, only show the worst case.

#### 5. 20 DB BANDWIDTH TEST

5.1 Limit

#### 5.2 TEST SETUP

FCC Part 2.1049, Only a	pplicable to report.		
.2 TEST SETUP	CTA I		
Spectrum Parameter	Sett	ing	
Span Frequency	approximately 2 to 3 time	es the 20 dB bandwidth	
RB	greater than 1 % of th	ne 20 dB bandwidth,	-17
VB	equal to t	he RBW	CIA
Detector	Pea	ak	
Trace	Max I	Hold	
Sweep Time	Au	to	

CTATES The test program and configuration, Refer to 4.2 and 4.3 CTATESTING

#### **5.3 TEST RESULTS**

OperatingFrequency (kHz)

20 dB Bandwhidth (Kz)

126.7

4.522

STING

₩ RL RF 50Ω AC Center Freq 126.700 kHz		SENSE:INT Center Freq: 128.4 Trig: Free Run	ALIGN AUTO 100 kHz Avg Hold:>10/10	05:15:37 PM Oct 28, 2023 Radio Std: None	
	#IFGain:Low	#Atten: 10 dB	Arghield. In the	Radio Device: BTS	
					G
10 dB/div Ref -3.00 dBm			<u> </u>		
-13.0					
-23.0					
-33.0					
-43.0					
-53.0					
-63.0					
-73.0					
-83.0					
-93.0					
Center 126.7 kHz #Res BW 200 Hz		#VBW 62	0 Hz	Span 20 kHz Sweep 24.73 ms	
Occupied Bandwidth		Total Power	-23.0 dBm		
	522 kHz				CTP
Transmit Freq Error	-949 Hz	OBW Power	99.00 %		
x dB Bandwidth	3.203 kHz	x dB	-20.00 dB		-
					Ara

### APPENDIX-PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

\* \* \* \* \* END OF THE REPORT \* \* \* \*