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TEST REPORT

Report No. ..... :	**KS2011S01984E**
FCC ID ..... :	**2AYBN-C1001**
Applicant ..... :	**Shenzhen Toptool E-commerce co., ltd**
Address ..... :	102,Building 1,No.71 baigehu Road,Zhangkengjing community,Guanhu street,Longhua Dist.,ShenzhenCity,China
Manufacturer..... :	**Shenzhen Toptool E-commerce co., ltd**
Address..... :	102,Building 1,No.71 baigehu Road,Zhangkengjing community,Guanhu street,Longhua Dist.,ShenzhenCity,China
Product Name ..... :	**Wireless Charger**
Trade Mark ..... :	EISTAKAO
Model/Type reference..... :	C1001
Listed Model(s)..... :	/
Standard ..... :	**FCC CFR Title 47 Part 15 Subpart C** Section 15.207, 15.209, 15.203 ANSI C63.10:2013
Date of Receipt..... :	Nov.15, 2020
Date of Test Date..... :	Nov.15, 2020 - Nov.28, 2020
Date of issue ..... :	Nov.28, 2020
Test result..... :	**Pass**

Compiled by: (Printed name+signature)	Rory Huang	Rory Huang
Supervised by: (Printed name+signature)	Eder Zhan	Eder Zhan
Approved by: (Printed name+signature)	Cary Luo	Cary Luo

KSIGN(Guangdong) Testing Co., Ltd. KSIGN APPROVED

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

TABLE OF CONTENTS Page

1. TEST SUMMARY 3
1.1. Test Standards 3
1.2. Report version 3
1.3. Test Description 4
1.4. Measurement Uncertainty 5
1.5. Environmental conditions 5
2. GENERAL INFORMATION 6
2.1. Client Information 6
2.2. General Description of EUT 6
2.3. Description of Test Modes 7
2.4. Measurement Instruments List 8
2.5. Test Software 8
3. TEST ITEM AND RESULTS 9
3.1. Antenna requirement 9
3.2. Conducted Emission 10
3.3. Radiated Spurious Emissions 17
4. EUT TEST PHOTOS 44
5. PHOTOGRAPHS OF TEST SETUP 45
6. PHOTOGRAPHS OF EUT CONSTRUCTIONAL 47

1. TEST SUMMARY

1.1. Test Standards

The tests were performed according to following standards:

FCC Rules Part 15 Subpart C: Operation within the bands 110~205 KHz .

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

1.2. Report version

Revised No.	Date of issue	Description
01	Nov.28, 2020	Original

1.3. Test Description

EMC Emission			
Test Item	**FCC Rules**	**Result**	**Test Engineer**
Conducted Emission	§15.207	Pass	Rory Huang
Radiated Emission	§15.209	Pass	Rory Huang
ANTENNA APPLICATION	§15.203	Pass	Rory Huang

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

1.4. Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01" Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 2 " and is documented in the KSIGN(Guangdong) Testing Co., Ltd. system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device. Below is the best measurement capability for KSIGN(Guangdong) Testing Co., Ltd.

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

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

1.5. Environmental conditions

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

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

2. GENERAL INFORMATION

2.1. Client Information

Applicant:	Shenzhen Toptool E-commerce co., ltd
Address:	102,Building 1,No.71 baigehu Road,Zhangkengjing community,Guanhu street,Longhua Dist.,ShenzhenCity,China
Manufacturer:	Shenzhen Toptool E-commerce co., ltd
Address:	102,Building 1,No.71 baigehu Road,Zhangkengjing community,Guanhu street,Longhua Dist.,ShenzhenCity,China

2.2. General Description of EUT

Test Sample Number:	1-1-1(Normal Sample),1-1-2(Engineering Sample)
Product Name:	Wireless Charger
Trade Mark:	EISTAKAO
Model/Type reference:	C1001
Listed Model(s):	/
Model Different:	/
Power supply :	Input :DC 5V⎓ 2A or DC 9V⎓ 1.67A,12V⎓ 1A Output:15W,10W,7.5W,5W
Hardware version:	V1.0
Software version:	V1.0
Specification	
Frequency range	110.1KHz~205KHz
Modulation:	FSK
Modulation:	Induction
Test frequency:	135.5KHz
Antenna type:	Induction Coil
Antenna gain:	1.0dBi

2.3. Description of Test Modes

Operation Frequency List: The EUT has been tested under typical operating condition. The Applicant provides communication tools software to control the EUT for staying in continuous transmitting and receiving mode for testing.

Operation Frequency range: 110.1KHz~205KHz

Test mode

MODE	TEST MODE DESCRIPTION
1	Wireless charging Mode(Full load)
2	Wireless charging Mode(half load)
3	Wireless charging Mode(Null load)
Note: 1. The Mode 1 was the worst case and only the data of the worst case record in this report.	

2.4. Measurement Instruments List

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

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

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

Note:
1)The Cal. Interval was one year.
2)The cable loss has calculated in test result which connection between each test instruments.

2.5. Test Software

Software name	Model	Version
Conducted emission Measurement Software	EZ-EMC	EMC-Con 3A1.1
Radiated emission Measurement Software	EZ-EMC	FA-03A.2.RE

3. TEST ITEM AND RESULTS

3.1. Antenna requirement

Requirement

FCC CFR Title 47 Part 15 Subpart C Section 15.203:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

FCC CFR Title 47 Part 15 Subpart C Section 15.207:

(i) Systems operating in the 110KHz~205KHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

Test Result

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

Note: The antenna is permanently fixed to the EUT

3.2. Conducted Emission

Limit

Conducted Emission Test Limit

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

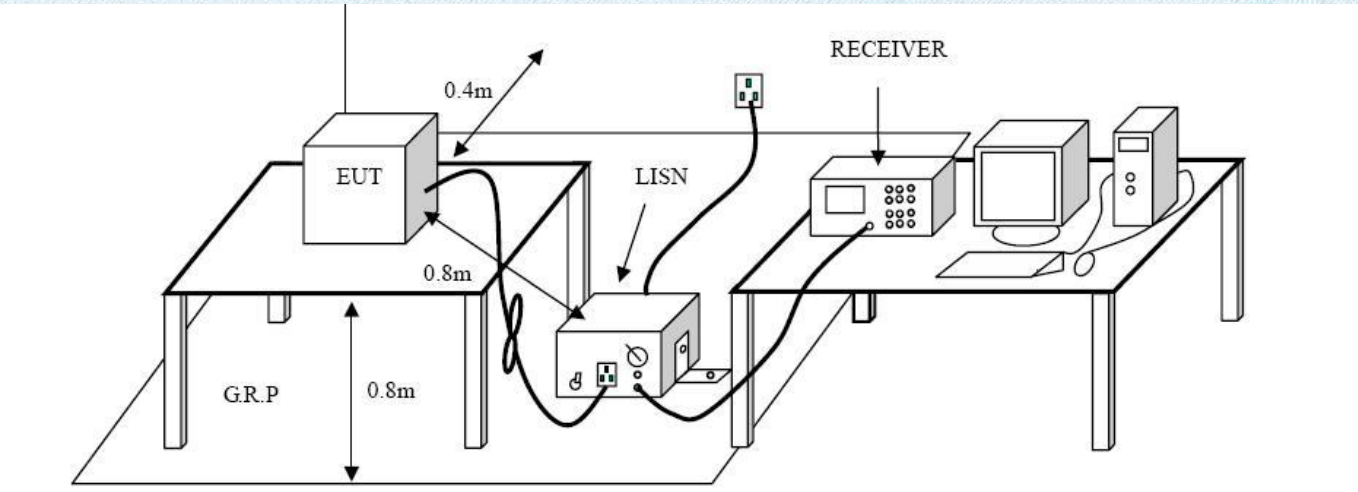
Notes:

(1) *Decreasing linearly with logarithm of the frequency.

(2) The lower limit shall apply at the transition frequencies.

(3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

Test Configuration



Test Procedure

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

Test Mode:

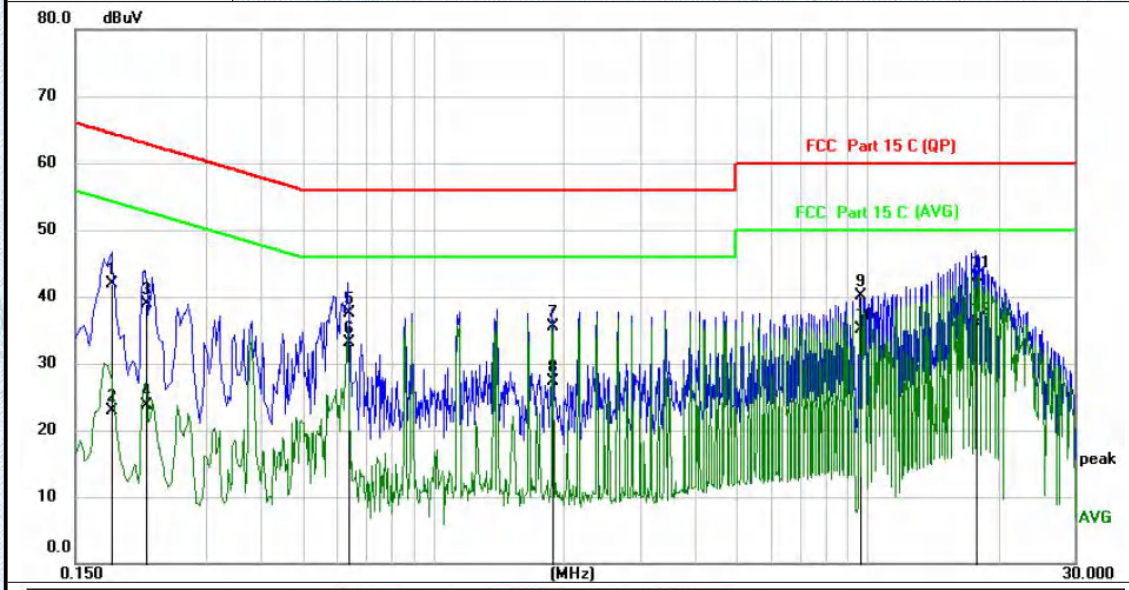
Please refer to the clause 2.3.

Test Results

Pre-scan Full load,Half load,Null load, and found Full load which it is worse case, so only show the test data for worse case.

By Adapter

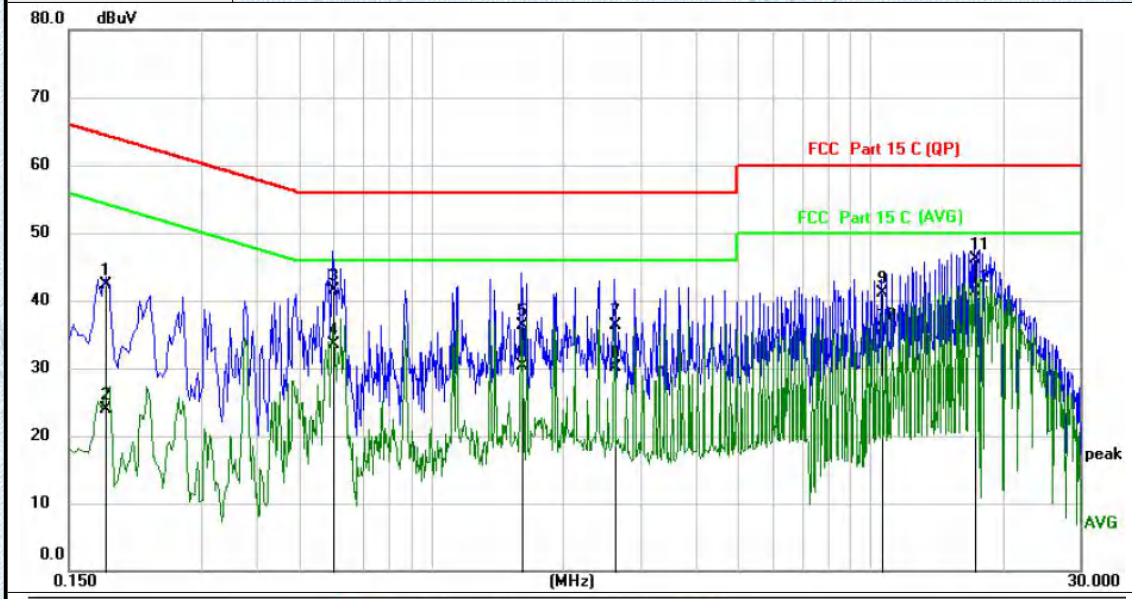
Test Voltage:	Output: DC 5V 2A,Input: Adapter AC 120V 60Hz
Terminal:	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1819	31.01	10.86	41.87	64.40	-22.53	QP
2		0.1819	12.03	10.86	22.89	54.40	-31.51	AVG
3		0.2180	28.12	10.88	39.00	62.89	-23.89	QP
4		0.2180	12.92	10.88	23.80	52.89	-29.09	AVG
5		0.6380	26.71	10.89	37.60	56.00	-18.40	QP
6	*	0.6380	22.14	10.89	33.03	46.00	-12.97	AVG
7		1.8860	24.72	10.88	35.60	56.00	-20.40	QP
8		1.8860	16.52	10.88	27.40	46.00	-18.60	AVG
9		9.6339	29.21	10.96	40.17	60.00	-19.83	QP
10		9.6339	24.16	10.96	35.12	50.00	-14.88	AVG
11		17.7778	31.65	11.16	42.81	60.00	-17.19	QP
12		17.7778	24.82	11.16	35.98	50.00	-14.02	AVG

Emission Level= Read Level+ Correct Factor

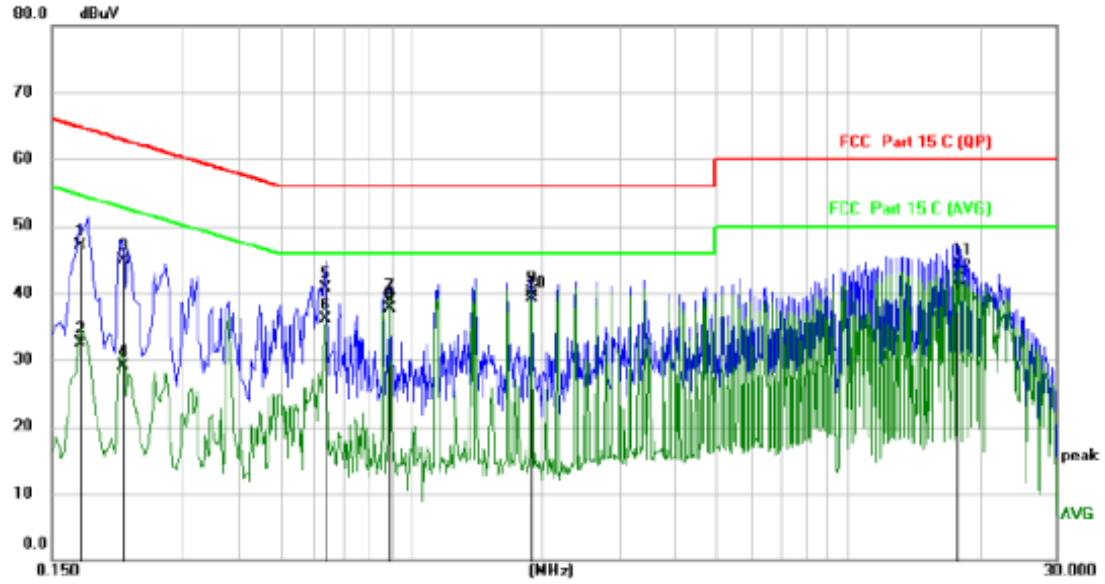
Test Voltage:	Output: DC 5V 2A,Input: Adapter AC 120V 60Hz
Terminal:	Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1819	31.47	10.87	42.34	64.40	-22.06	QP
2		0.1819	13.08	10.87	23.95	54.40	-30.45	AVG
3		0.5980	30.72	10.88	41.60	56.00	-14.40	QP
4		0.5980	22.63	10.88	33.51	46.00	-12.49	AVG
5		1.6060	25.37	10.88	36.25	56.00	-19.75	QP
6		1.6060	19.37	10.88	30.25	46.00	-15.75	AVG
7		2.6220	25.30	10.91	36.21	56.00	-19.79	QP
8		2.6220	19.21	10.91	30.12	46.00	-15.88	AVG
9		10.5818	30.27	10.91	41.18	60.00	-18.82	QP
10		10.5818	24.71	10.91	35.62	50.00	-14.38	AVG
11		17.2300	34.99	11.03	46.02	60.00	-13.98	QP
12	*	17.2300	30.33	11.03	41.36	50.00	-8.64	AVG

Emission Level= Read Level+ Correct Factor

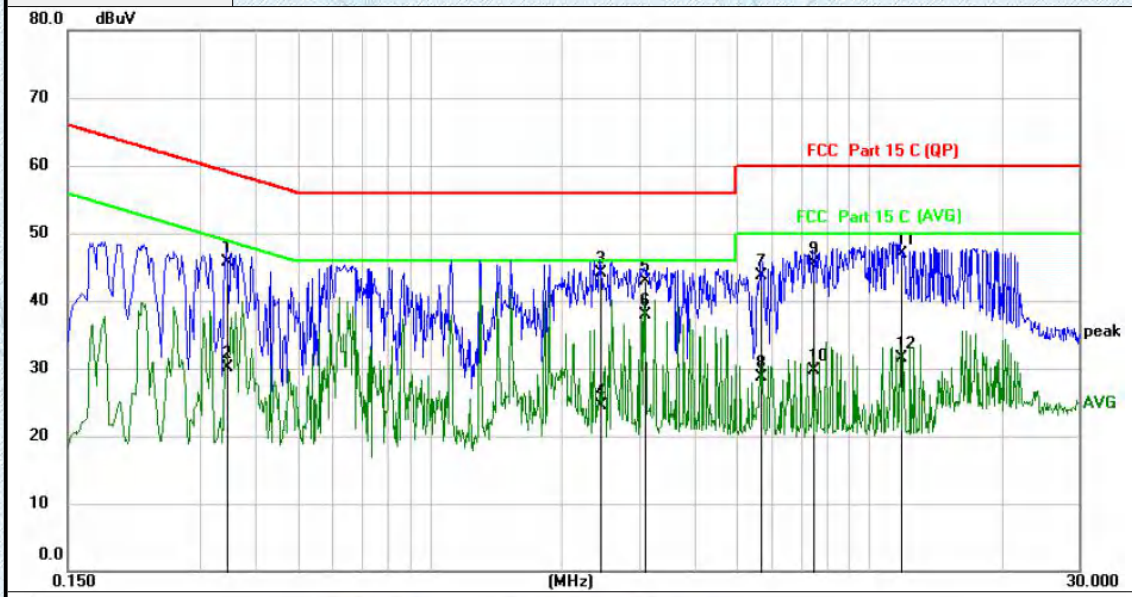
Test Voltage:	Output: DC 9V 1.67A, Input: Adapter AC 120V 60Hz
Terminal:	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1737	36.35	10.85	47.20	64.78	-17.58	QP	
2		0.1737	21.69	10.85	32.54	54.78	-22.24	AVG	
3		0.2179	33.99	10.88	44.87	62.90	-18.03	QP	
4		0.2179	18.18	10.88	29.06	52.90	-23.84	AVG	
5		0.6340	29.80	10.89	40.69	56.00	-15.31	QP	
6		0.6340	25.13	10.89	36.02	46.00	-9.98	AVG	
7		0.8940	28.06	10.88	38.94	56.00	-17.06	QP	
8		0.8940	26.73	10.88	37.61	46.00	-8.39	AVG	
9		1.8855	29.14	10.88	40.02	56.00	-15.98	QP	
10	*	1.8855	28.46	10.88	39.34	46.00	-6.66	AVG	
11		17.7774	33.15	11.16	44.31	60.00	-15.69	QP	
12		17.7774	30.72	11.16	41.88	50.00	-8.12	AVG	

Emission Level= Read Level+ Correct Factor

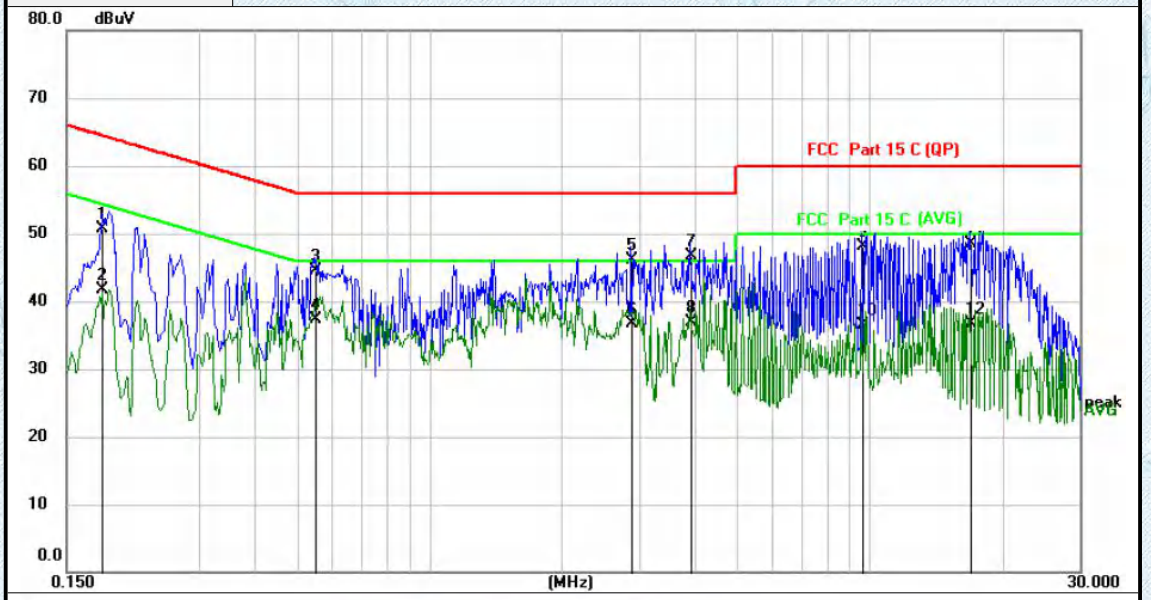
Test Voltage:	Output: DC 9V 1.67A,Input: Adapter AC 120V 60Hz
Terminal:	Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.3458	34.79	10.85	45.64	59.06	-13.42	QP
2		0.3458	19.22	10.85	30.07	49.06	-18.99	AVG
3		2.4420	33.20	10.90	44.10	56.00	-11.90	QP
4		2.4420	13.68	10.90	24.58	46.00	-21.42	AVG
5		3.0900	31.98	10.92	42.90	56.00	-13.10	QP
6	*	3.0900	27.00	10.92	37.92	46.00	-8.08	AVG
7		5.6539	32.66	10.97	43.63	60.00	-16.37	QP
8		5.6539	17.74	10.97	28.71	50.00	-21.29	AVG
9		7.4618	34.61	10.95	45.56	60.00	-14.44	QP
10		7.4618	18.69	10.95	29.64	50.00	-20.36	AVG
11		11.7700	35.93	10.90	46.83	60.00	-13.17	QP
12		11.7700	20.59	10.90	31.49	50.00	-18.51	AVG

Emission Level= Read Level+ Correct Factor

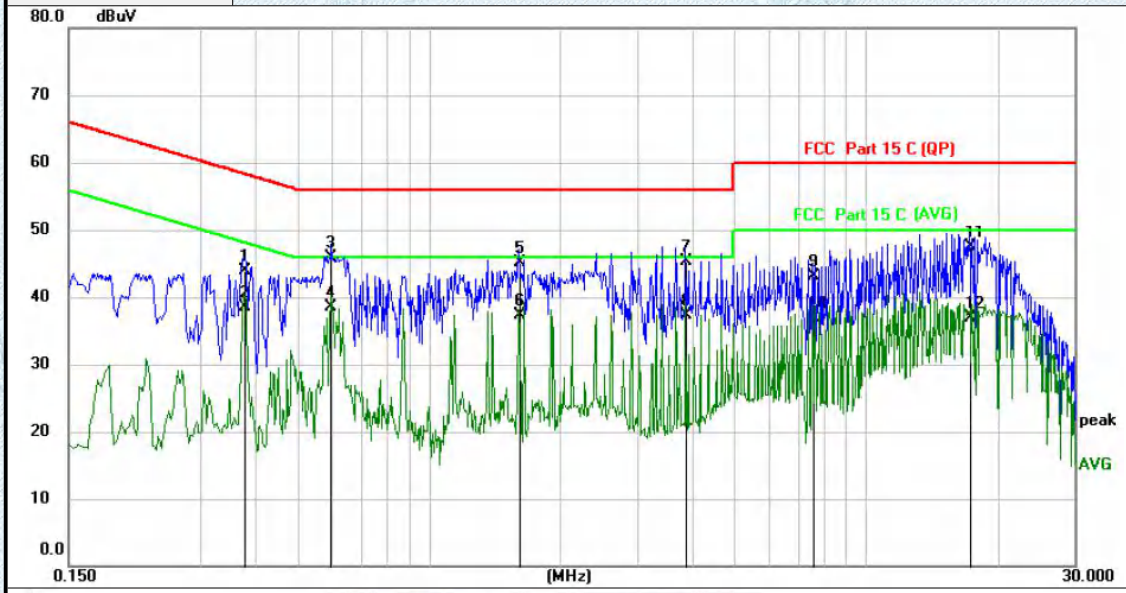
Test Voltage:	Output: DC 12V 1A,Input: Adapter AC 120V 60Hz
Terminal:	Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.1804	39.81	10.86	50.67	64.47	-13.80	QP
2		0.1804	30.81	10.86	41.67	54.47	-12.80	AVG
3		0.5500	33.54	10.90	44.44	56.00	-11.56	QP
4	*	0.5500	26.31	10.90	37.21	46.00	-8.79	AVG
5		2.8740	35.26	10.92	46.18	56.00	-9.82	QP
6		2.8740	25.75	10.92	36.67	46.00	-9.33	AVG
7		3.9180	35.85	10.95	46.80	56.00	-9.20	QP
8		3.9180	25.95	10.95	36.90	46.00	-9.10	AVG
9		9.6339	37.21	10.96	48.17	60.00	-11.83	QP
10		9.6339	25.64	10.96	36.60	50.00	-13.40	AVG
11		16.8417	37.46	11.11	48.57	60.00	-11.43	QP
12		16.8417	25.51	11.11	36.62	50.00	-13.38	AVG

Emission Level= Read Level+ Correct Factor

Test Voltage:	Output: DC 12V 1A,Input: Adapter AC 120V 60Hz
Terminal:	Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector
1		0.3780	33.11	10.86	43.97	58.32	-14.35	QP
2		0.3780	27.73	10.86	38.59	48.32	-9.73	AVG
3		0.5978	34.96	10.88	45.84	56.00	-10.16	QP
4	*	0.5978	27.68	10.88	38.56	46.00	-7.44	AVG
5		1.6060	34.26	10.88	45.14	56.00	-10.86	QP
6		1.6060	26.43	10.88	37.31	46.00	-8.69	AVG
7		3.8700	34.37	10.94	45.31	56.00	-10.69	QP
8		3.8700	26.40	10.94	37.34	46.00	-8.66	AVG
9		7.5377	32.25	10.94	43.19	60.00	-16.81	QP
10		7.5377	25.89	10.94	36.83	50.00	-13.17	AVG
11		17.2300	36.49	11.03	47.52	60.00	-12.48	QP
12		17.2300	25.83	11.03	36.86	50.00	-13.14	AVG

Emission Level= Read Level+ Correct Factor

3.3. Radiated Spurious Emissions

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.209(a) and 15.205(a)

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

15.209(a)

Frequencies (MHz)	Field Strength (micorvolts/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

15.205 Restricted bands of operation:

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			

Notes:

(1).Measurement was performed at an antenna to the closed point of EUT distance of meters.

(2).Emission level (dBuV/m)=20log Emission level (uV/m).

(3).Only spurious frequency is permitted to locate within the Restricted Bands specified in provision of 15.205, and the emissions located in restricted bands also comply with 15.209 limit.

(4) .The emission limits shown in the above table are based on measurements employing a CISPR quasi-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.

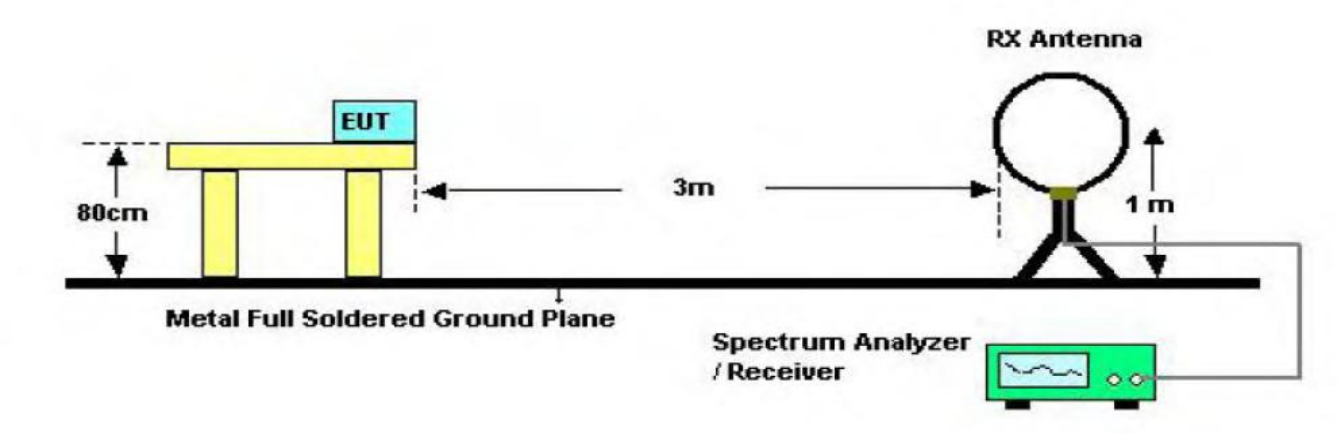
FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

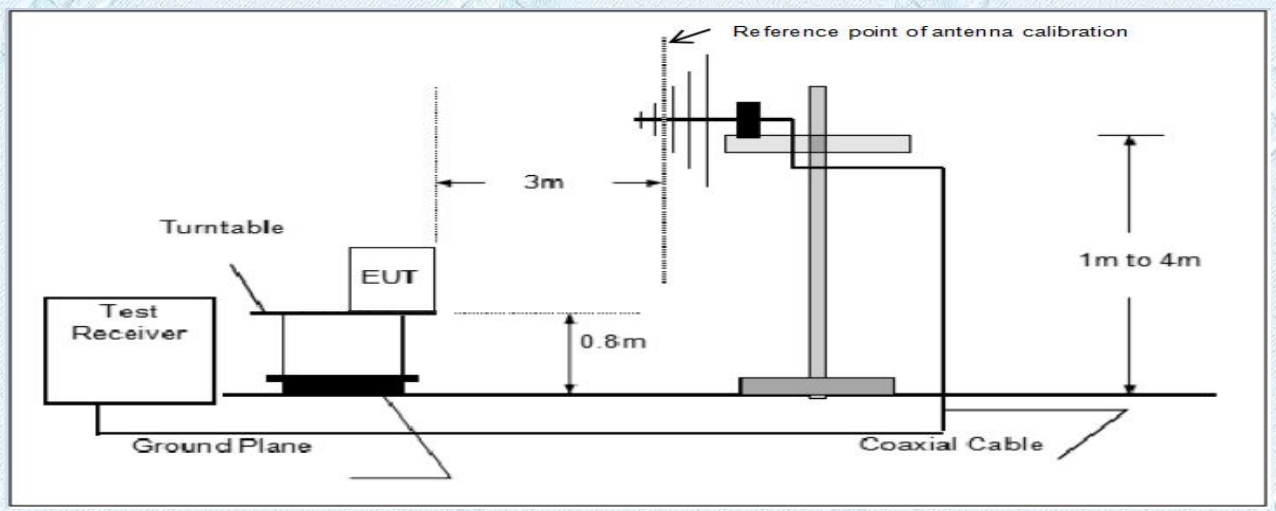
Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

Test Configuration



Below 30MHz Test Setup



Below 1GHz Test Setup

Test Procedure

1. The EUT was setup and tested according to ANSI C63.10:2013
2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
5. Set to the maximum power setting and enable the EUT transmit continuously.
6. Use the following spectrum analyzer settings

   (1) Span shall wide enough to fully capture the emission being measured;

   (2) Below 1 GHz:

   RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold;

   If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

   (3) From 1 GHz to 10th harmonic:

   RBW=1MHz, VBW=3MHz Peak detector for Peak value.

   RBW=1MHz, VBW=10Hz Peak detector for Average value.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

☒ **Passed** ☐ **Not Applicable**

9 KHz~30 MHz and 30MHz~1GHz

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

Note:

1) Final level = Reading level + Correct Factor

Correct Factor=Antenna Factor + Cable Loss -Preamplifier Factor

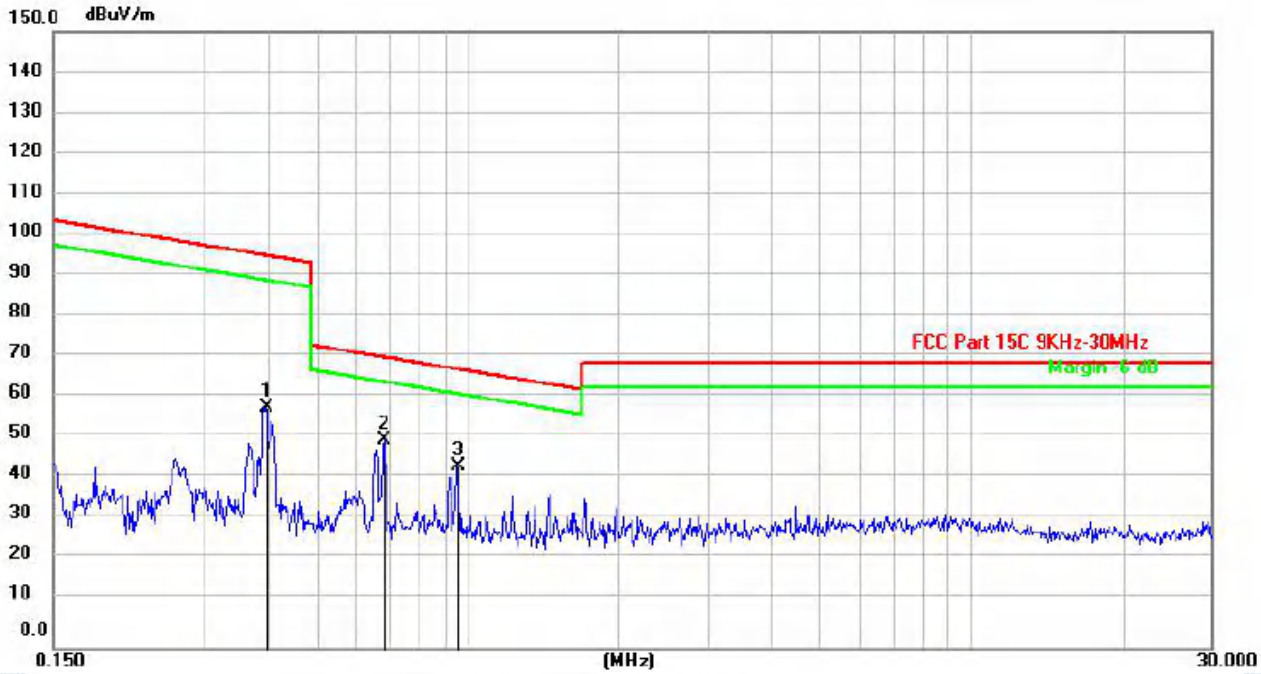
9KHz~30MHz

By Adapter

EUT :	Wireless Charger	Model Name. :	C1001
Test Mode :	Mode 1（Full load）	Polarization :	X
Test Power :	Output: DC 5V 2A,Input: Adapter AC 120V 60Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		0.0463	66.22	-8.84	57.38	114.29	-56.91	Avg
2		0.0862	58.76	-8.99	49.77	108.89	-59.12	Avg
3	*	0.1355	73.88	-9.61	64.27	104.97	-40.70	Avg

Remark:
Correct Factor=Antenna Factor + Cable Loss -Preamplifier Factor



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		0.3966	68.12	-9.25	58.87	95.64	-36.77	Avg
2	*	0.6826	59.93	-9.17	50.76	70.92	-20.16	QP
3		0.9536	53.69	-9.11	44.58	68.02	-23.44	QP

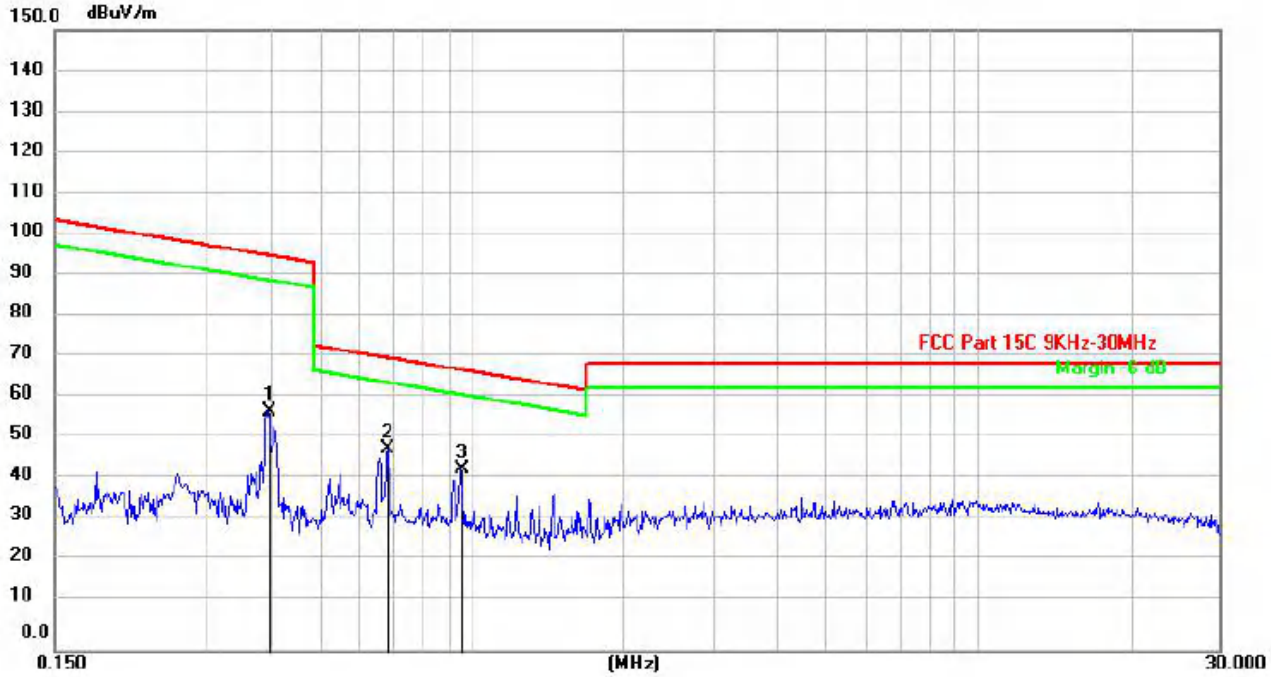
Remark:
Correct Factor=Antenna Factor + Cable Loss -Preamplifier Factor

EUT :	Wireless Charger	Model Name. :	C1001
Test Mode :	Mode 1（Full load）	Polarization :	X
Test Power :	Output: DC 9V 1.67A,Input: Adapter AC 120V 60Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		0.0463	64.72	-8.84	55.88	114.29	-58.41	Avg
2		0.0859	58.77	-9.00	49.77	108.92	-59.15	Avg
3	*	0.1355	79.38	-9.61	69.77	104.97	-35.20	Avg

Remark:

Correct Factor=Antenna Factor + Cable Loss -Preamplifier Factor



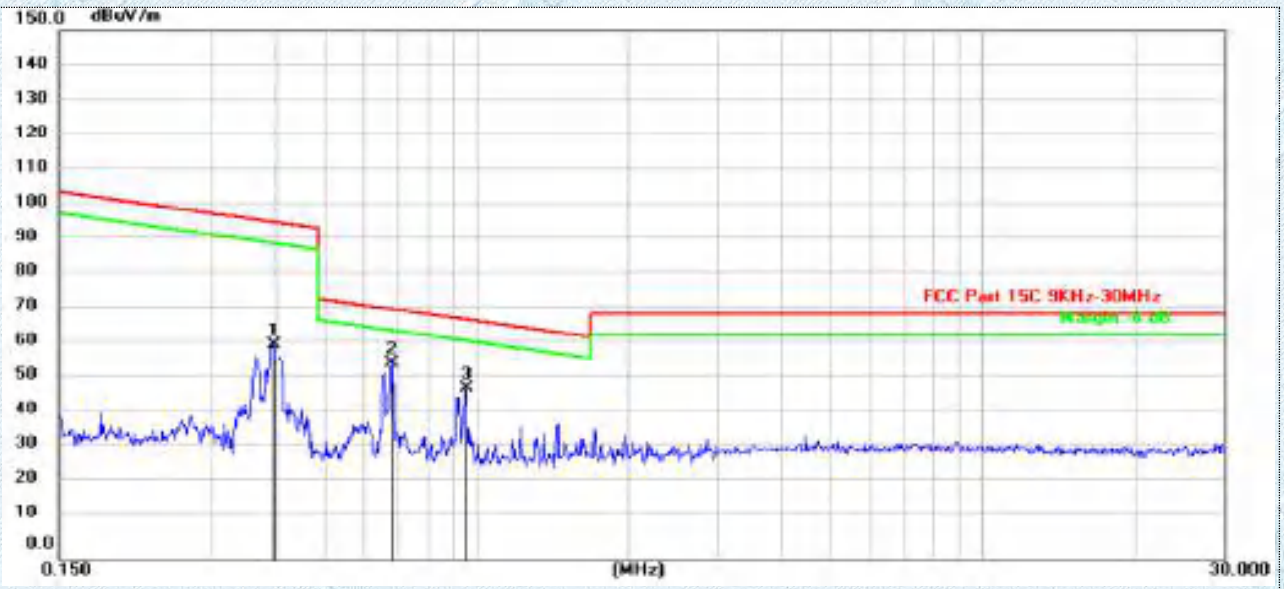
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		0.3964	67.12	-9.25	57.87	95.64	-37.77	Avg
2	*	0.6824	57.93	-9.17	48.76	70.92	-22.16	QP
3		0.9536	53.19	-9.11	44.08	68.02	-23.94	QP

Remark:
Correct Factor=Antenna Factor + Cable Loss -Preamplifier Factor

EUT :	Wireless Charger	Model Name. :	C1001
Test Mode :	Mode 1（Full load）	Polarization :	X
Test Power :	Output: DC 12V 1A,Input: Adapter AC 120V 60Hz		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		0.0463	64.72	-8.84	55.88	114.29	-58.41	Avg
2		0.0859	62.66	-9.00	53.66	108.92	-55.26	Avg
3	*	0.1355	73.88	-9.61	64.27	104.97	-40.70	Avg

Remark:
Correct Factor=Antenna Factor + Cable Loss -Preamplifier Factor



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		0.3964	67.06	-9.25	57.81	95.64	-37.83	peak
2	*	0.6824	64.93	-9.17	55.76	70.92	-15.16	peak
3		0.9536	57.69	-9.11	48.58	68.02	-19.44	peak

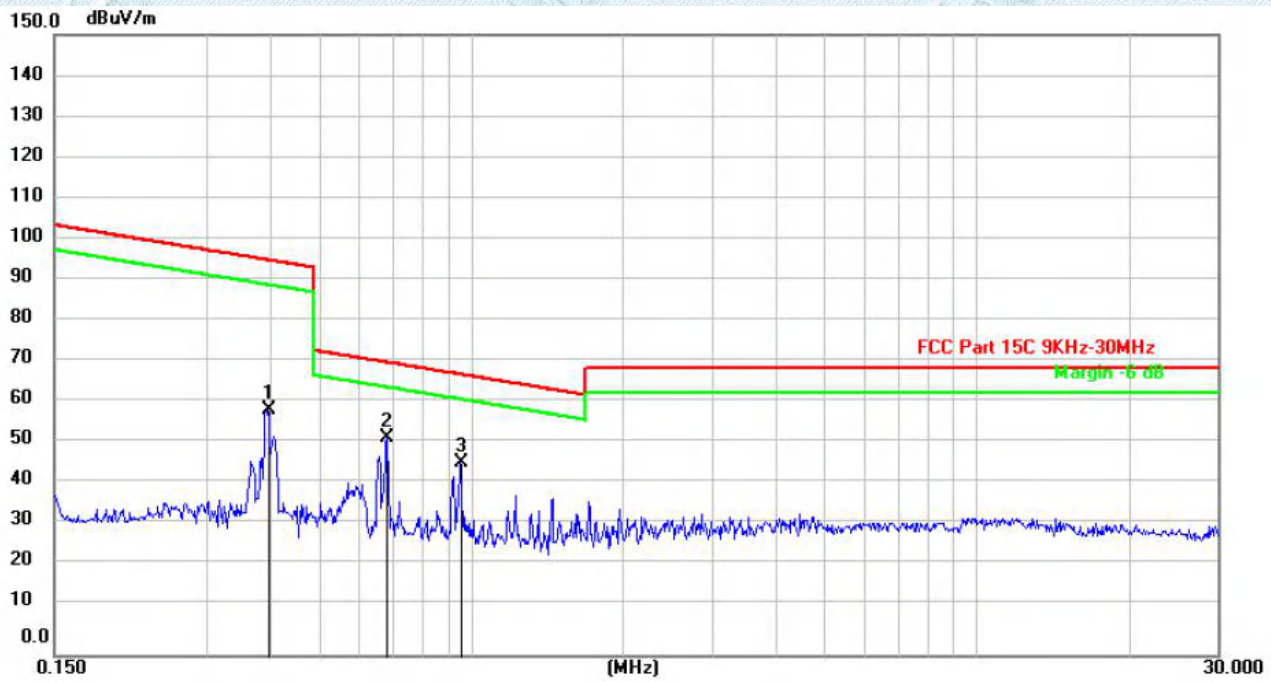
Remark:
Correct Factor=Antenna Factor + Cable Loss -Preamplifier Factor

Note:

Below 30MHz, Pre-test the X, Y, Z axis to find X axis is worst case, so only record X axis test data.

EUT :	Wireless Charger	Model Name. :	C1001
Test Mode :	Mode 1（Full load）	Polarization :	X
Test Power :	Input: By Battery DC 5V 2A; Output:10W		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		0.0463	64.22	-8.84	55.38	114.29	-58.91	Avg
2		0.0911	56.53	-8.90	47.63	108.41	-60.78	QP
3	*	0.1355	71.38	-9.61	61.77	104.97	-43.20	Avg



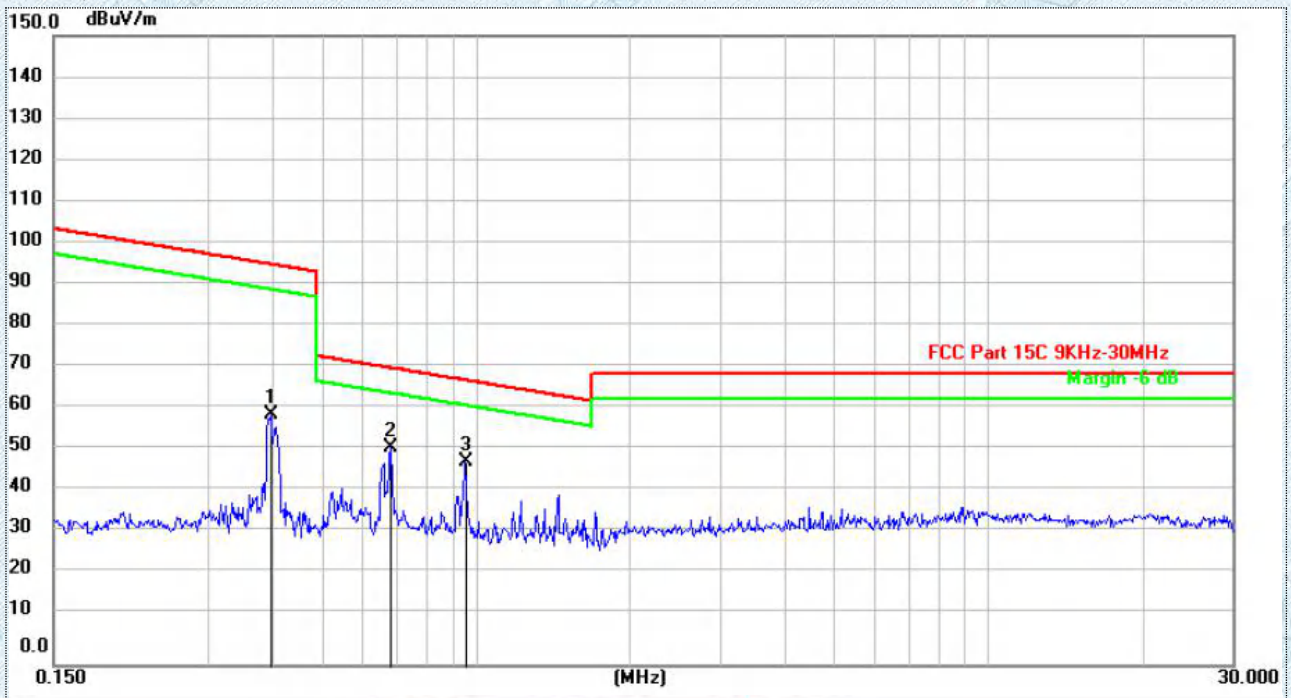
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		0.3964	68.62	-9.25	59.37	95.64	-36.27	peak
2	*	0.6825	61.93	-9.17	52.76	70.92	-18.16	peak
3		0.9536	55.69	-9.11	46.58	68.02	-21.44	peak

Remark:
Correct Factor=Antenna Factor + Cable Loss -Preamplifier Factor

EUT :	Wireless Charger	Model Name. :	C1001
Test Mode :	Mode 1（Full load）	Polarization :	X
Test Power :	Input: By Battery DC 9V 1.67A; Output:15W		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		0.0463	63.72	-8.84	54.88	114.29	-59.41	Avg
2		0.0859	59.77	-9.00	50.77	108.92	-58.15	Avg
3	*	0.1355	74.88	-9.61	65.27	104.97	-39.70	Avg

Remark:
Correct Factor=Antenna Factor + Cable Loss -Preamplifier Factor



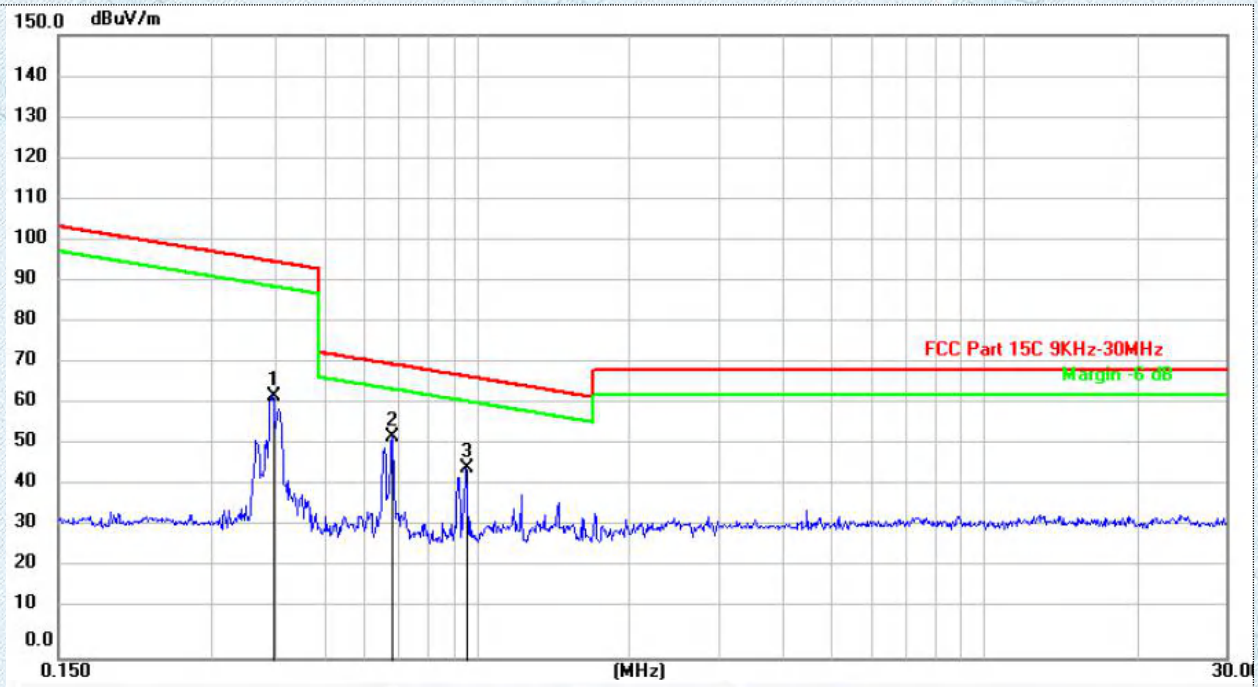
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		0.3981	68.93	-9.26	59.67	95.60	-35.93	Avg
2	*	0.6824	60.93	-9.17	51.76	70.92	-19.16	QP
3		0.9536	57.69	-9.11	48.58	68.02	-19.44	QP

Remark:
Correct Factor=Antenna Factor + Cable Loss -Preamplifier Factor

EUT :	Wireless Charger	Model Name. :	C1001
Test Mode :	Mode 1（Full load）	Polarization :	X
Test Power :	Input: By Battery DC 12V 1A; Output:12W		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		0.0463	68.72	-8.84	59.88	114.29	-54.41	Avg
2		0.0913	64.37	-8.90	55.47	108.39	-52.92	Avg
3	*	0.1355	76.69	-9.60	67.09	104.93	-37.84	Avg

Remark:
Correct Factor=Antenna Factor + Cable Loss -Preamplifier Factor



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detect
1		0.3964	72.62	-9.25	63.37	95.64	-32.27	Avg
2	*	0.6824	62.43	-9.17	53.26	70.92	-17.66	QP
3		0.9536	55.19	-9.11	46.08	68.02	-21.94	QP

Remark:

Correct Factor=Antenna Factor + Cable Loss -Preamplifier Factor

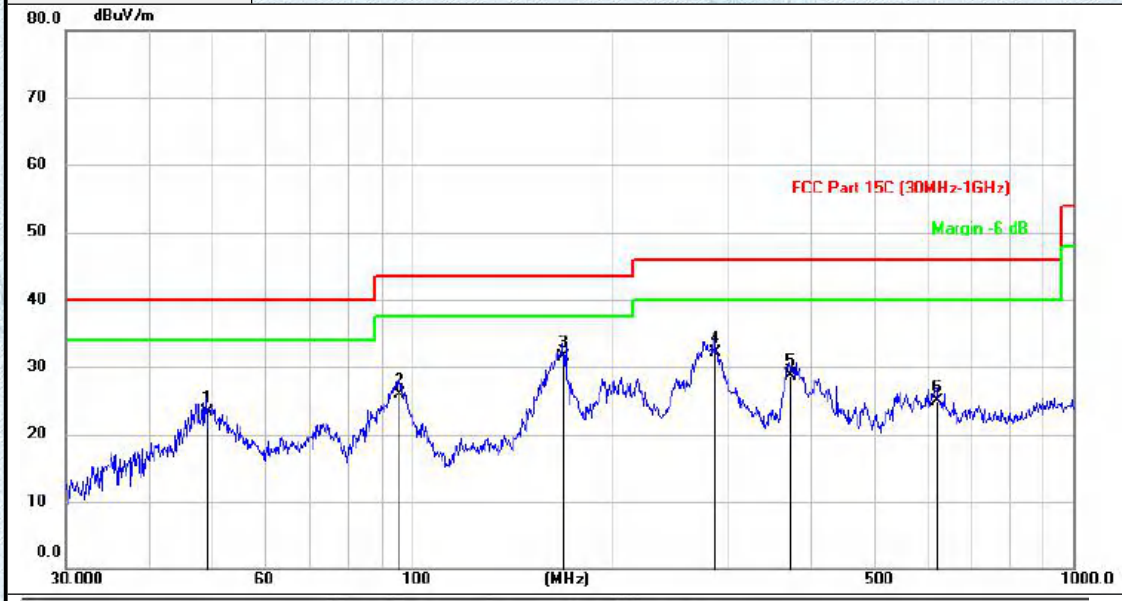
Note:

Below 30MHz, Pre-test the X, Y, Z axis to find X axis is worst case, so only record X axis test data.

30MHz-1GHz

By Adapter

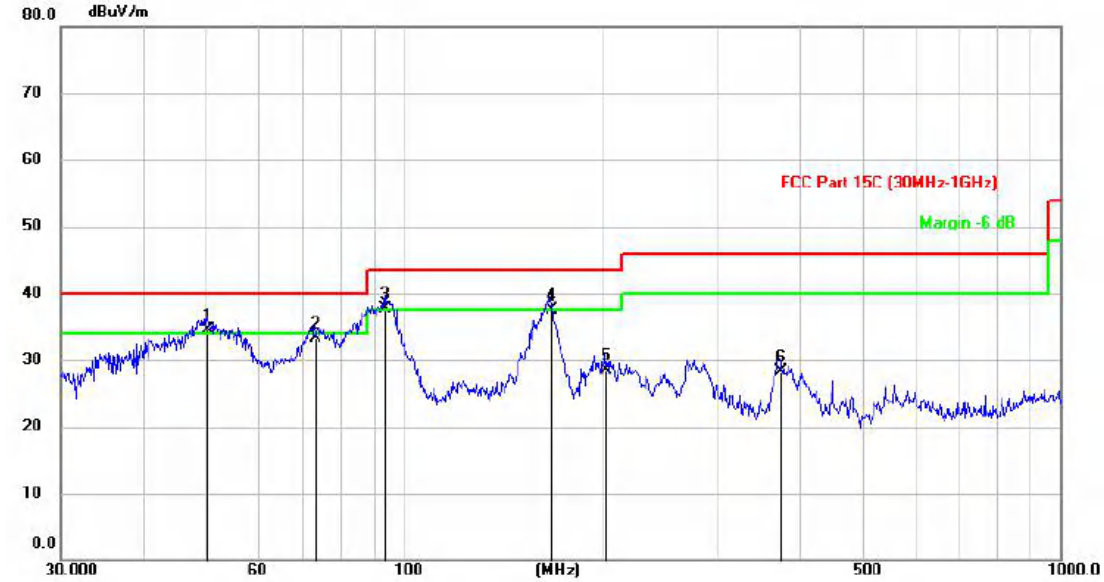
Test Voltage:	Output: DC 5V 2A,Input: Adapter AC 120V 60Hz
Ant. Pol.	Horizontal
Test Mode:	Full load



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		48.9285	38.94	-15.73	23.21	40.00	-16.79	QP
2		95.4605	44.38	-18.38	26.00	43.50	-17.50	QP
3	*	169.1832	52.11	-20.58	31.53	43.50	-11.97	QP
4		286.6806	47.15	-14.98	32.17	46.00	-13.83	QP
5		373.1804	40.57	-11.78	28.79	46.00	-17.21	QP
6		619.1879	32.43	-7.55	24.88	46.00	-21.12	QP

Emission Level= Read Level+ Correct Factor

Test Voltage:	Output: DC 5V 2A,Input: Adapter AC 120V 60Hz
Ant. Pol.	Vertical
Test Mode:	Full load



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1	*	50.2324	50.11	-15.68	34.43	40.00	-5.57	QP
2		73.2051	53.36	-20.03	33.33	40.00	-6.67	QP
3	!	93.6699	56.56	-18.83	37.73	43.50	-5.77	QP
4	!	167.6478	58.27	-20.75	37.52	43.50	-5.98	QP
5		203.2375	46.46	-17.87	28.59	43.50	-14.91	QP
6		374.4911	39.97	-11.74	28.23	46.00	-17.77	QP

Emission Level= Read Level+ Correct Factor

Test Voltage:	Output: DC 9V 1.67A,Input: Adapter AC 120V 60Hz
Ant. Pol.	Horizontal
Test Mode:	Full load

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		75.2878	50.54	-20.27	30.27	40.00	-9.73	QP
2		95.4603	45.88	-18.38	27.50	43.50	-16.00	QP
3		169.1827	49.61	-20.58	29.03	43.50	-14.47	QP
4		276.8992	44.41	-15.21	29.20	46.00	-16.80	QP
5	*	380.0473	48.21	-11.56	36.65	46.00	-9.35	QP
6		545.3736	39.22	-8.99	30.23	46.00	-15.77	QP

Emission Level= Read Level+ Correct Factor

Test Voltage:	Output: DC 9V 1.67A,Input: Adapter AC 120V 60Hz
Ant. Pol.	Vertical
Test Mode:	Full load

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1	*	33.9887	51.87	-18.82	33.05	40.00	-6.95	QP
2		73.2051	52.36	-20.03	32.33	40.00	-7.67	QP
3		93.6696	53.06	-18.83	34.23	43.50	-9.27	QP
4		167.6476	55.77	-20.75	35.02	43.50	-8.48	QP
5		274.3860	52.42	-15.25	37.17	46.00	-8.83	QP
6		374.4911	42.13	-11.74	30.39	46.00	-15.61	QP

Emission Level= Read Level+ Correct Factor

Test Voltage:	Output: DC 12V 1A,Input: Adapter AC 120V 60Hz
Ant. Pol.	Horizontal
Test Mode:	Full load

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		48.9285	38.94	-15.73	23.21	40.00	-16.79	QP
2		95.4603	48.45	-18.38	30.07	43.50	-13.43	QP
3	!	170.8523	58.74	-20.39	38.35	43.50	-5.15	QP
4		207.7041	52.72	-17.67	35.05	43.50	-8.45	QP
5	*	279.8274	56.04	-15.14	40.90	46.00	-5.10	QP
6		373.1802	42.06	-11.78	30.28	46.00	-15.72	QP

Emission Level= Read Level+ Correct Factor

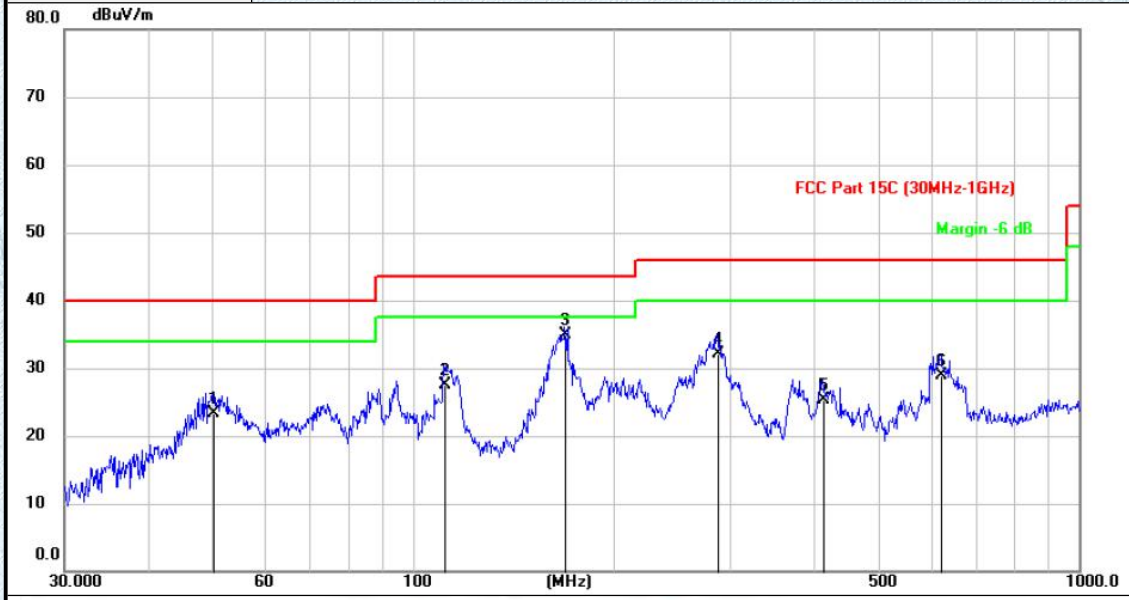
Test Voltage:	Output: DC 12V 1A,Input: Adapter AC 120V 60Hz
Ant. Pol.	Vertical
Test Mode:	Full load

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1	*	50.2324	50.11	-15.68	34.43	40.00	-5.57	QP
2		73.2051	53.36	-20.03	33.33	40.00	-6.67	QP
3	!	93.6699	56.56	-18.83	37.73	43.50	-5.77	QP
4	!	167.6478	58.27	-20.75	37.52	43.50	-5.98	QP
5		203.2375	46.46	-17.87	28.59	43.50	-14.91	QP
6		374.4911	39.97	-11.74	28.23	46.00	-17.77	QP

Emission Level= Read Level+ Correct Factor

By Battery

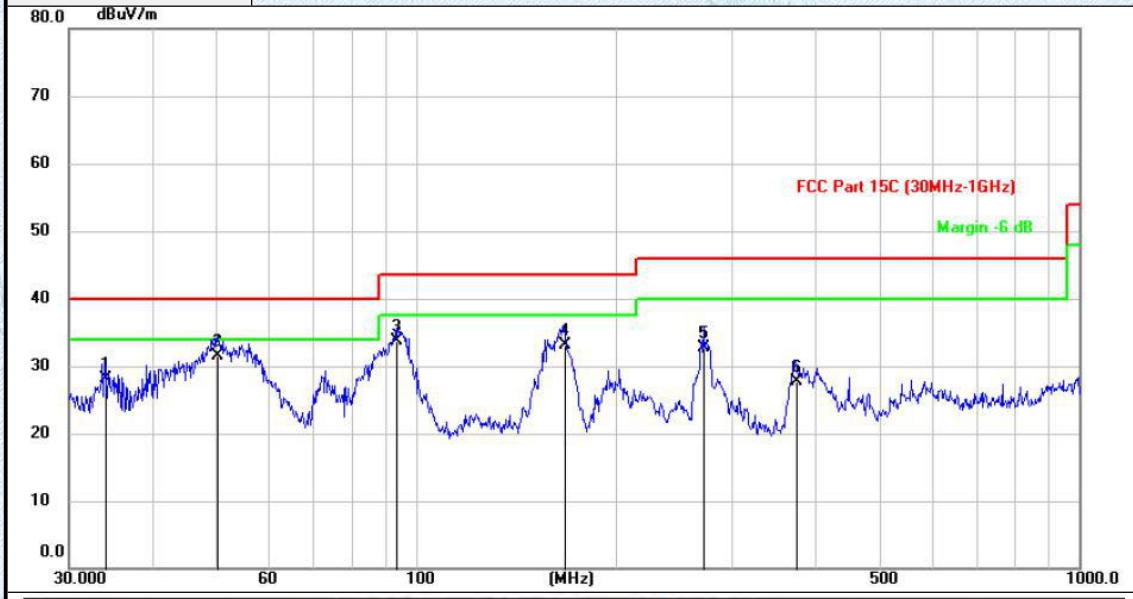
Test Voltage:	Input: By Battery DC 5V 2A; Output:10W
Ant. Pol.	Horizontal
Test Mode:	Full load



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		50.2146	39.00	-15.68	23.32	40.00	-16.68	QP
2		111.4248	46.13	-18.54	27.59	43.50	-15.91	QP
3	*	169.1827	55.39	-20.58	34.81	43.50	-8.69	QP
4		286.6804	47.15	-14.98	32.17	46.00	-13.83	QP
5		412.4019	36.08	-10.76	25.32	46.00	-20.68	QP
6		619.1879	36.43	-7.55	28.88	46.00	-17.12	QP

Emission Level= Read Level+ Correct Factor

Test Voltage:	Input: By Battery DC 5V 2A; Output:10W
Ant. Pol.	Vertical
Test Mode:	Full load



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		33.9887	46.87	-18.82	28.05	40.00	-11.95	QP
2	*	50.2323	47.11	-15.68	31.43	40.00	-8.57	QP
3		93.6696	52.56	-18.83	33.73	43.50	-9.77	QP
4		167.6476	53.78	-20.75	33.03	43.50	-10.47	QP
5		271.8004	48.01	-15.31	32.70	46.00	-13.30	QP
6		374.4911	39.47	-11.74	27.73	46.00	-18.27	QP

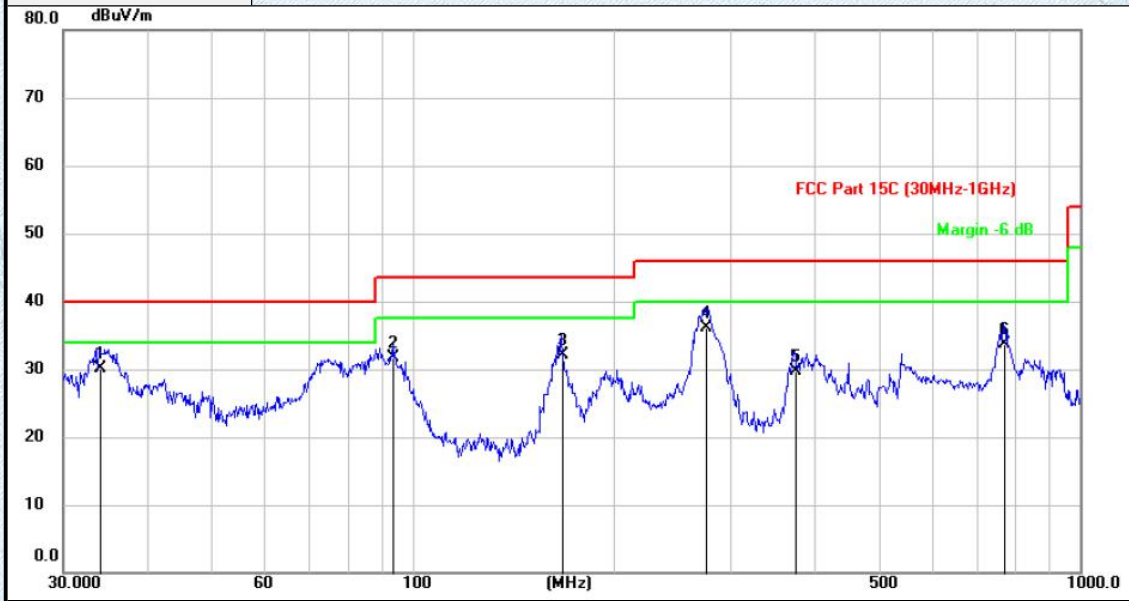
Emission Level= Read Level+ Correct Factor

Test Voltage:	Input: By Battery DC 9V 1.67A; Output:15W
Ant. Pol.	Horizontal
Test Mode:	Full load

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		75.2878	52.04	-20.27	31.77	40.00	-8.23	QP
2		95.4603	49.38	-18.38	31.00	43.50	-12.50	QP
3		169.1827	55.11	-20.58	34.53	43.50	-8.97	QP
4		219.0749	47.64	-17.15	30.49	46.00	-15.51	QP
5		276.8992	46.91	-15.21	31.70	46.00	-14.30	QP
6	*	380.0473	50.72	-11.56	39.16	46.00	-6.84	QP

Emission Level= Read Level+ Correct Factor

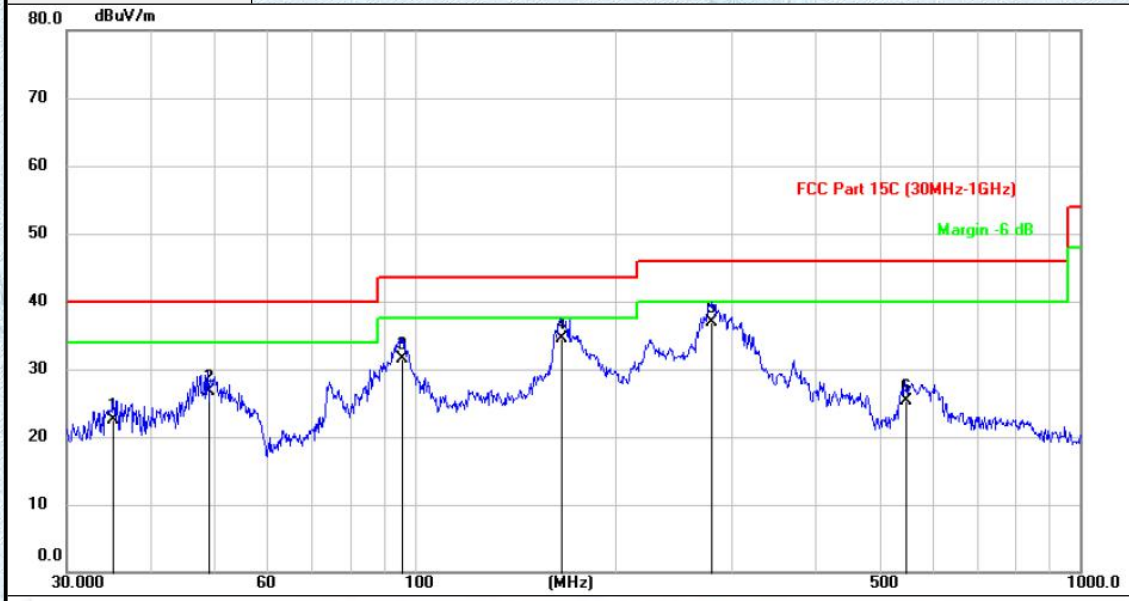
Test Voltage:	Input: By Battery DC 9V 1.67A; Output:15W
Ant. Pol.	Vertical
Test Mode:	Full load



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		33.9887	48.87	-18.82	30.05	40.00	-9.95	QP
2		93.6696	50.56	-18.83	31.73	43.50	-11.77	QP
3		167.6476	52.77	-20.75	32.02	43.50	-11.48	QP
4	*	274.3860	51.42	-15.25	36.17	46.00	-9.83	QP
5		374.4911	41.50	-11.74	29.76	46.00	-16.24	QP
6		770.9076	40.09	-6.42	33.67	46.00	-12.33	QP

Emission Level= Read Level+ Correct Factor

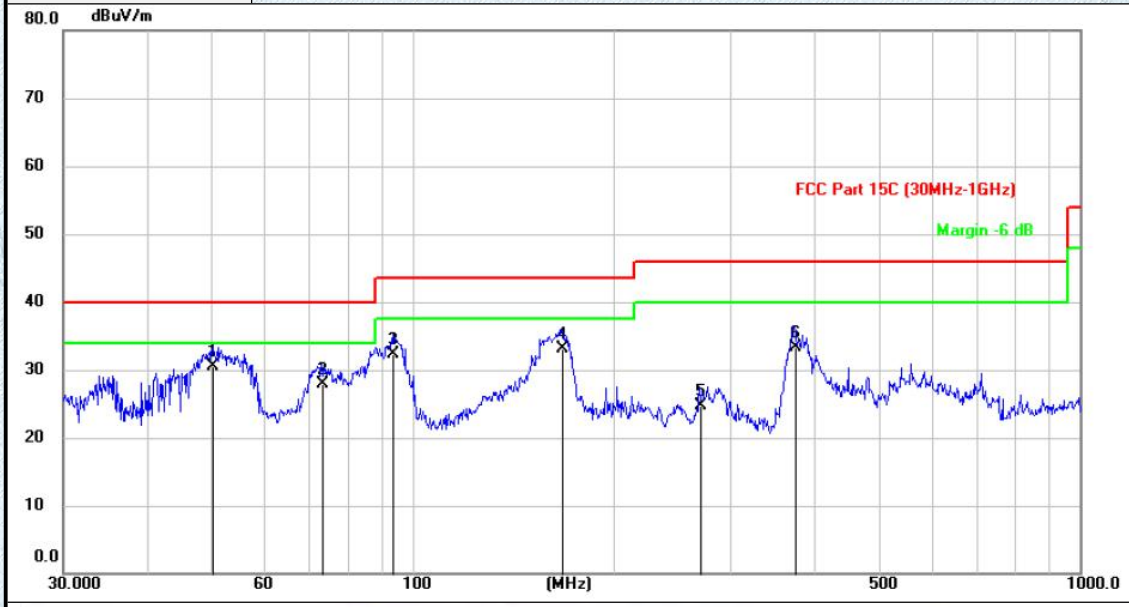
Test Voltage:	Input: By Battery DC 12V 1A; Output:12W
Ant. Pol.	Horizontal
Test Mode:	Full load



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1		35.2511	41.26	-18.69	22.57	40.00	-17.43	QP
2		48.9285	42.44	-15.73	26.71	40.00	-13.29	QP
3		95.4603	49.88	-18.38	31.50	43.50	-12.00	QP
4	*	165.8934	55.39	-20.93	34.46	43.50	-9.04	QP
5		279.8274	52.04	-15.14	36.90	46.00	-9.10	QP
6		545.3736	34.22	-8.99	25.23	46.00	-20.77	QP

Emission Level= Read Level+ Correct Factor

Test Voltage:	Input: By Battery DC 12V 1A; Output:12W
Ant. Pol.	Vertical
Test Mode:	Full load



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	Detector
1	*	50.2323	46.11	-15.68	30.43	40.00	-9.57	QP
2		73.2051	47.89	-20.03	27.86	40.00	-12.14	QP
3		93.6696	51.10	-18.83	32.27	43.50	-11.23	QP
4		167.6476	53.77	-20.75	33.02	43.50	-10.48	QP
5		270.2800	40.12	-15.33	24.79	46.00	-21.21	QP
6		374.4911	44.97	-11.74	33.23	46.00	-12.77	QP

Emission Level= Read Level+ Correct Factor

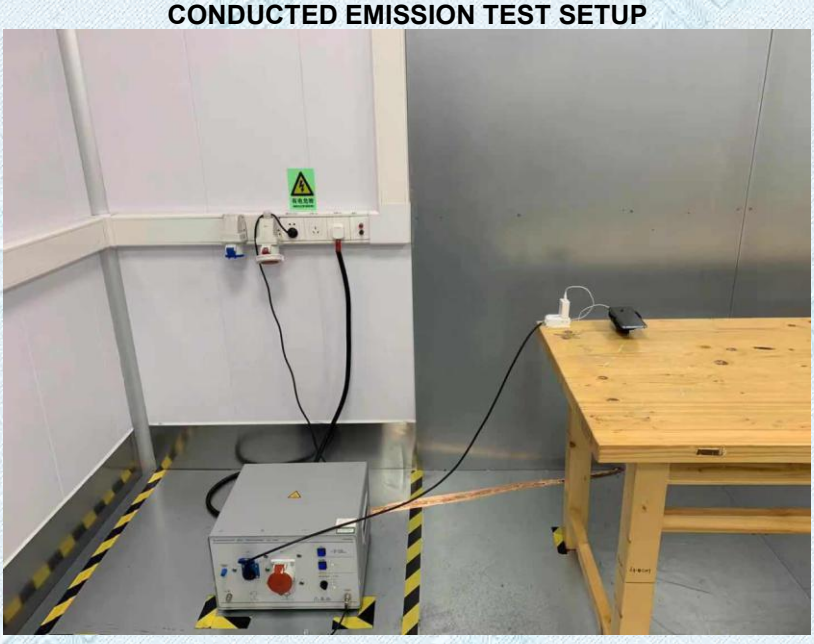
4.EUT TEST PHOTOS

Radiated measurements:

9KHz-30MHz,30MHz-1GHz For the actual test configuration, please refer to Appendix I : Photographs of the Test Configuration.

5.PHOTOGRAPHS OF TEST SETUP

CONDUCTED EMISSION TEST SETUP



RADIATED EMISSION TEST SETUP

9KHz-30MHz

30MHz-1GHz

6.PHOTOGRAPHS OF EUT CONSTRUCTIONAL

All VIEW OF EUT

TOP VIEW OF EUT

BOTTOM VIEW OF EUT

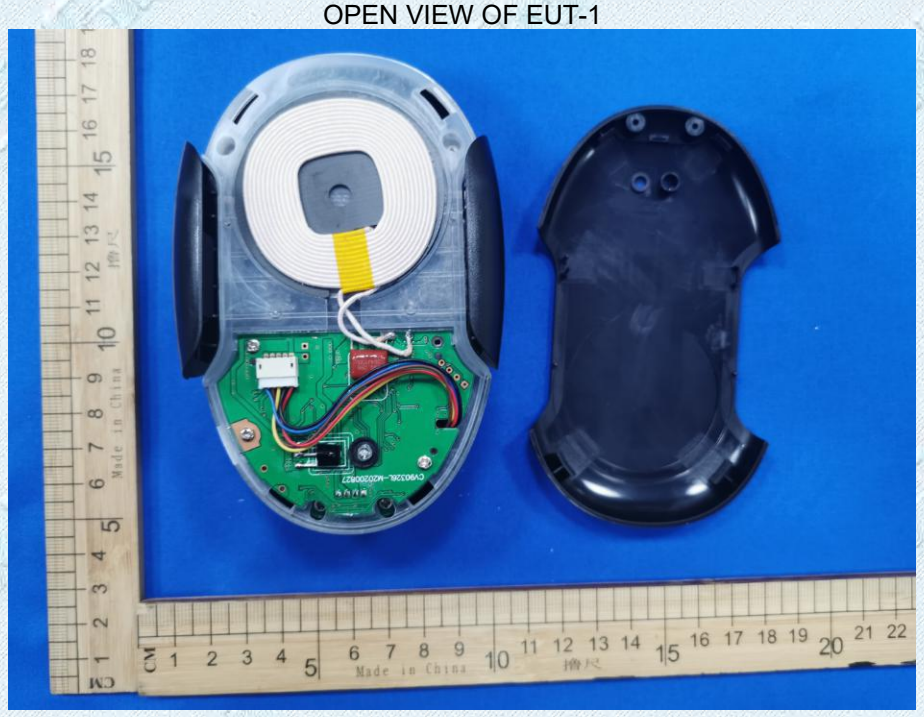
FRONT VIEW OF EUT

BACK VIEW OF EUT

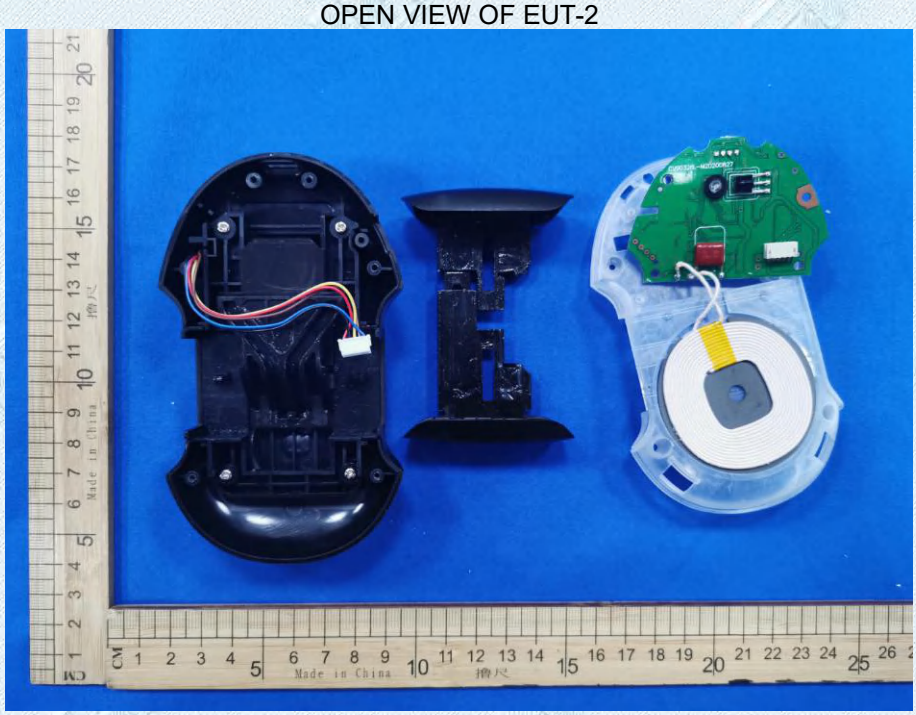
LEFT VIEW OF EUT

RIGHT VIEW OF EUT

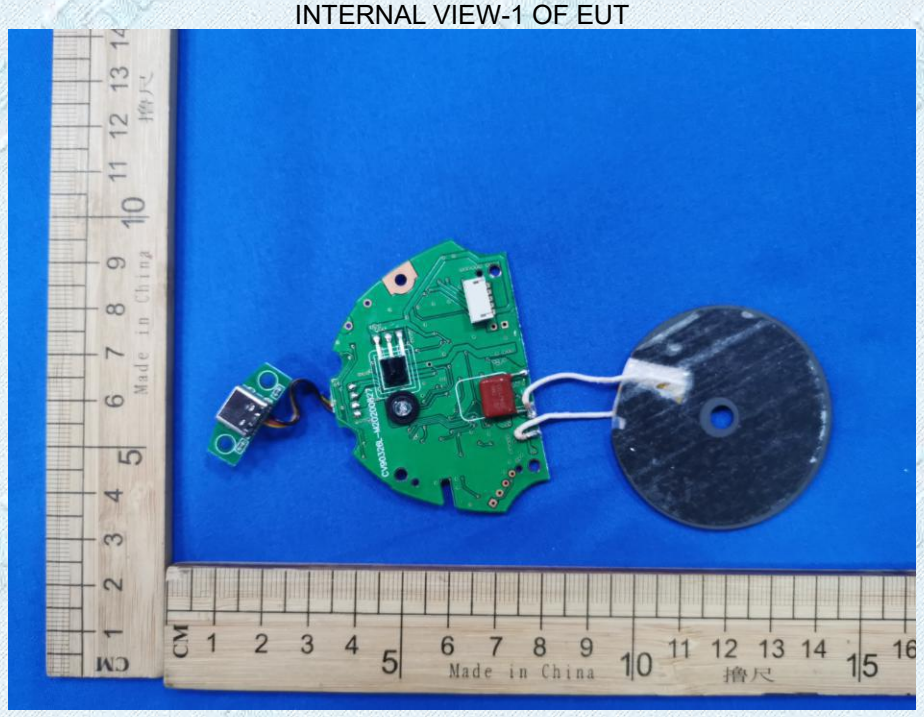
OPEN VIEW OF EUT-1



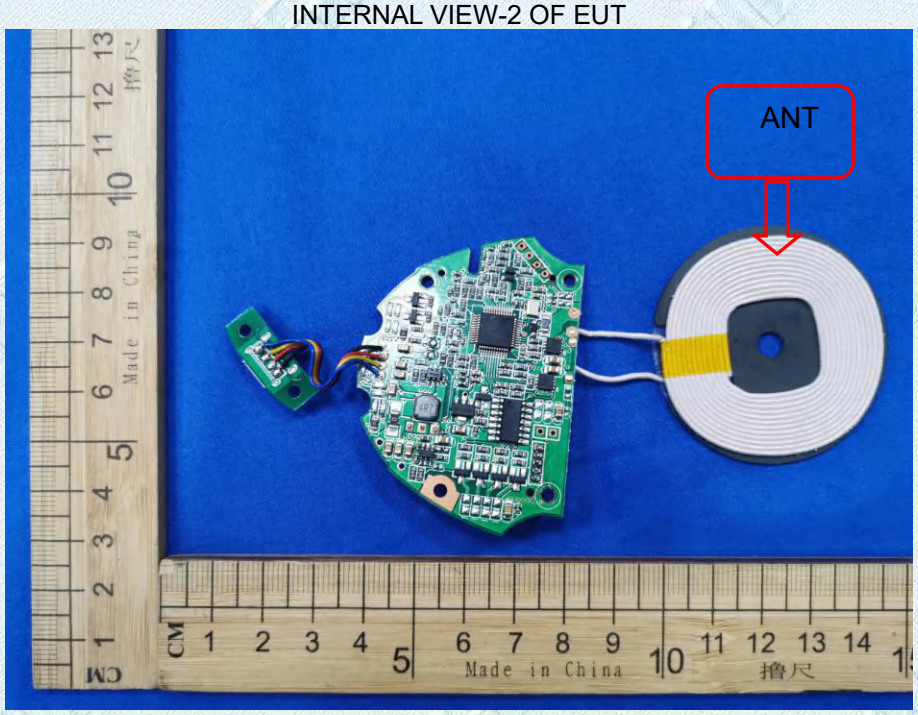
OPEN VIEW OF EUT-2



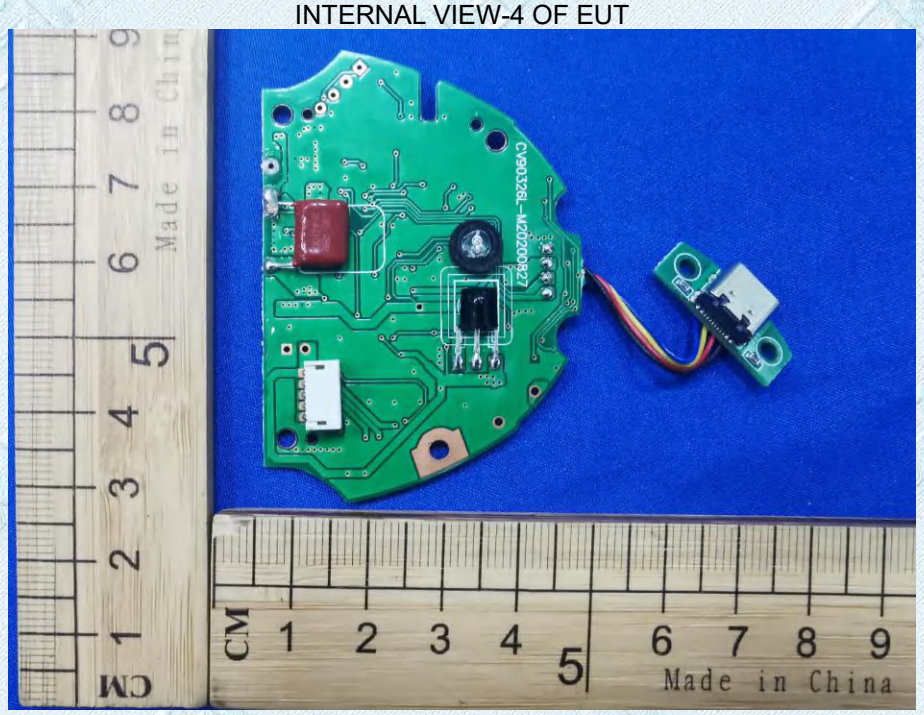
INTERNAL VIEW-1 OF EUT



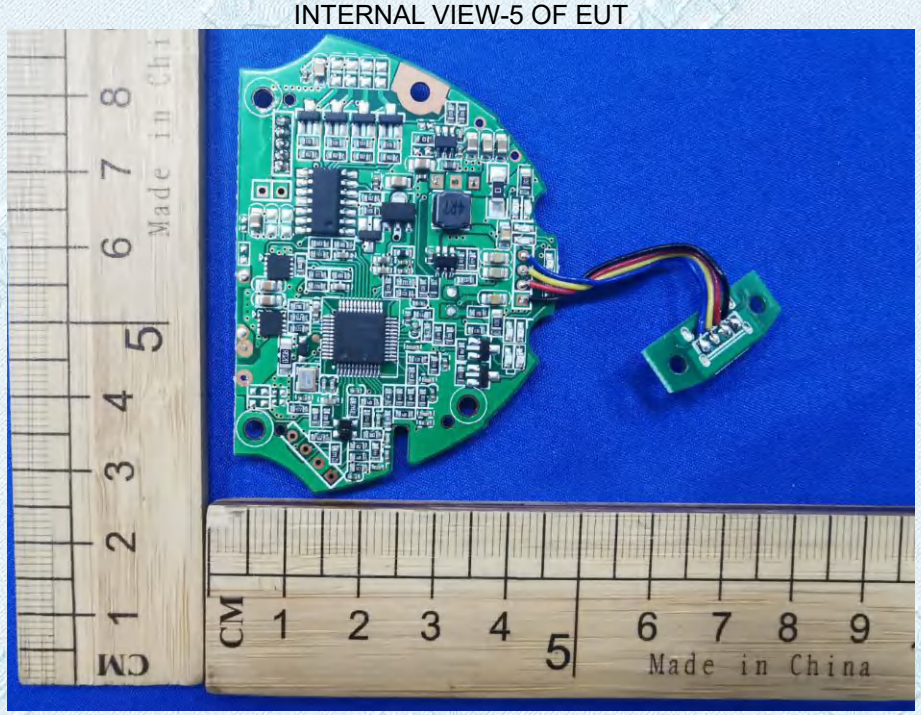
INTERNAL VIEW-2 OF EUT



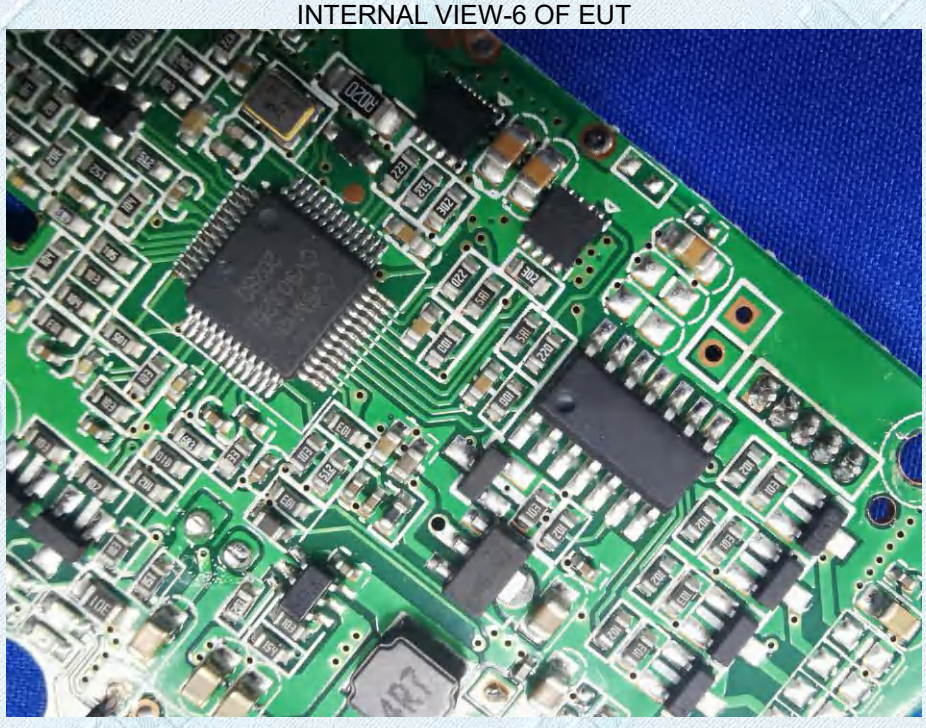
INTERNAL VIEW-4 OF EUT



INTERNAL VIEW-5 OF EUT



INTERNAL VIEW-6 OF EUT



**********THE END**********