DEKRA Testing and Certification (Suzhou) Co., Ltd.
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Test report No:
2350173R-RF-US-P06V03

FCC TEST REPORT

Product Name	Charge Base
Trademark	Honeywell
Model and /or type reference	1962 WC Horizontal
FCC ID	HD5-1962CCBHWC
Applicant´s name / address	HONEYWELL INTERNATIONAL INC Honeywell Safety and Productivity Solutions 9680 OLD BAILES RD FORT MILL SC 29707-7539,USA
Test method requested, standard	CFR 47, FCC Part 15 C ANSI C63.10: 2013
Verdict Summary	IN COMPLIANCE
Documented by (name / position & signature)	Jun Xu/ Project Engineer
Approved by (name / position & signature)	Jack Zhang/ Manager
Date of issue	2023-06-16
Report Version	V1.0
Report template No	Template_FCC Part 15C-RF-V1.0

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COMPETENCES AND GUARANTEES

DEKRA is a testing laboratory competent to carry out the tests described in this report.
In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

GENERAL CONDITIONS

Test Location	No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China
Date(receive sample)	Apr. 27, 2023
Date (start test)	Apr. 28, 2023
Date (finish test)	May. 21, 2023

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or Competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA.

ENVIRONMENTAL CONDITIONS

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:

Ambient temperature	15 °C – 35 °C
Relative Humidity air	30% - 60%

If explicitly required in the basic standard or applied product / product family standard the climatic values are recorded and documented separately in this test report.

POSSIBLE TEST CASE VERDICTS

Test case does not apply to test object	N/A
Test object does meet requirement	P (Pass) / PASS
Test object does not meet requirement	F (Fail) / FAIL
Not measured	N/M

ABBREVIATIONS

For the purposes of the present document, the following abbreviations apply:

EUT : Equipment Under Test
QP : Quasi-Peak
CAV : CISPR Average
AV : Average
CDN : Coupling Decoupling Network
SAC : Semi-Anechoic Chamber
OATS : Open Area Test Site
BW : Bandwidth
AM : Amplitude Modulation
PM : Pulse Modulation
HCP : Horizontal Coupling Plane
VCP : Vertical Coupling Plane
U_N : Nominal voltage
*T*x : Transmitter
*R*x : Receiver
N/A : Not Applicable
N/M : Not Measured

DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
2350173R-RF-US-P06V03	V1.0	Initial issue of report.	2023-06-16

REMARKS AND COMMENTS

1. The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with CFR 47, FCC Part 15 C .
3. The measurement result is considered in conformance with the requirement if it is within the prescribed limit, It is not necessary to account the uncertainty associated with the measurement result.
4. The test results presented in this report relate only to the object tested.
5. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification (Suzhou) Co., Ltd.
6. This report will not be used for social proof function in China market.
7. DEKRA declines any responsibility with the following test data provided by customer that may affect the validity of result:
    - Chapter 1.1 General Description of the Item(s);
    - Chapter 1.2 Antenna Informaion;
    - Chapter 1.3 Channel List.

USED EQUIPMENT

AC Power Line Conducted Emission / TR1

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
EMI Test Receiver	R&S	ESR7	102086	2023.02.25	2024.02.24
Two-Line V-Network	R&S	ENV216	101190	2023.01.07	2024.01.06
Two-Line V-Network	R&S	ENV216	101044	2023.01.07	2024.01.06
Current Probe	R&S	EZ-17	100678	2023.01.13	2024.01.12
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	TR1-TH	2022.07.07	2023.07.06
Coaxial Cable	Suhner	RG 223	TR1-C1	2023.03.15	2024.03.14
Dekra test software	Dekra	-	-	-	-

Radiated Emission(9KHz-1GHz) / AC3

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
EMI Test Receiver	R&S	ESCI	100573	2022.09.17	2023.09.16
Bilog Antenna	Teseq GmbH	CBL6112D	27613	2022.08.28	2023.08.27
Temperature/Humidity Meter	RTS	RTS-8S	AC2-TH	2022.07.07	2023.07.06
Coaxial Cable	Huber+Suhner	RG 214	AC2-C	2023.03.15	2024.03.14
Loop Antenna	R&S	HFH2-Z2	833799/003	2023.02.25	2024.02.24
Dekra test software	Dekra	-	-	-	-

UNCERTAINTY

Uncertainties have been calculated according to the DEKRA internal document. The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95% .

Test item	Uncertainty
AC Power Line Conducted Emission	150kHz~30MHz: 2.40dB
Radiated Emission(9KHz~30MHz)	Horizontal: 9KHz~30MHz: 2.10 dB Vertical: 30MHz~200MHz: 2.30 dB
Radiated Emission(30MHz~1GHz)	Horizontal: 30MHz~200MHz: 3.50 dB 300MHz~1GHz: 3.60 dB Vertical: 30MHz~200MHz: 3.60 dB 300MHz~1GHz: 3.50 dB
Occupied Bandwidth	±150Hz

1 GENERAL INFORMATION

1.1 General Description of the Item(s)

Product Name ..... :	Charge Base
Model No. ..... :	1962 WC Horizontal
Trademark ..... :	Honeywell
FCC ID ..... :	HD5-1962CCBHWC
Hardware Version ..... :	1962 WC Horizontal ver01
Software Version ..... :	1962 WC Horizontal ver02
Manufacturer ..... :	HONEYWELL INTERNATIONAL INC Honeywell Safety and Productivity Solutions
Manufacturer address ..... :	9680 OLD BAILES RD FORT MILL SC 29707-7539,USA
Factory ..... :	Metro(Suzhou)Technologies Co.,Ltd
address..... :	No.221 Xinghai street China-Singapore Suzhou Industrial Park

Operating Frequency Range..... :	140-148.5KHz
Type of Modulation..... :	ASK
Number of Channel ..... :	1

Rated power supply ..... :	Voltage and Frequency	
	☐	AC: 220 – 240 V, 50 / 60 Hz,
	☐	AC: 100 – 240 V, 50 / 60 Hz
	☐	DC: 12 V
	☐	Battery: 12 Vdc
	☒	Adapter:
Adapter..... :	Model: ADS-25SGP-06 05015E	
	INPUT: 100-240V~50-60Hz Max.0.7A OUTPUT: 5.0V ,3.0A, 15.0W	
Mounting position ..... :	☒	Table top equipment
	☐	Wall/Ceiling mounted equipment
	☐	Floor standing equipment
	☐	Hand-held equipment
	☐	Other: vehicle-mounted equipment
Test perimeter ..... :	Product Name: Barcode Scanner Model: 1962	

1.2 Antenna Information

Antenna model / type number ..... :	N/A			
Antenna serial number ..... :	N/A			
Antenna Delivery ..... :	☒	1TX + 1RX		
	☐	2TX + 2RX		
	☐	Others:……		
Antenna technology ..... :	☒	SISO		
	☐	MIMO	☐	CDD
			☐	Beam-forming
Antenna Type ..... :	☐	External	☐	Dipole
			☐	Sectorized
	☒	Internal	☐	Ceramic Chip
			☐	PIFA
			☐	PCB
			☒	Others: Coil antenna
Antenna Gain ..... :	N/A			

1.3 Channel List

Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
01	141kHz	--	--	--	--	--	--

Note: The General Description of the Item , antenna information and Channel List for the EUT in clause 1 are provided and confirmed by the client.

2 DESCRIPTION OF TEST SETUP

2.1 Operating mode(s) used for tests

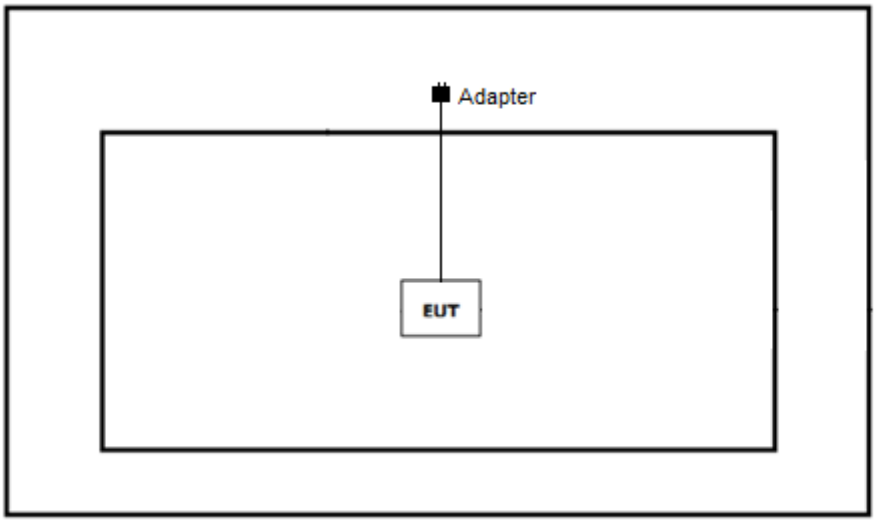
During the tests the following operating mode(s) has(have) been used.

Test Mode For WPT	Mode 1: Transmit

2.2 Auxiliary equipment / Test software for the EUT

Auxiliary equipment	Type / Version	Manufacturer	Supplied by
N/A	N/A	N/A	N/A
software	Type / Version	Manufacturer	Supplied by
N/A	N/A	N/A	N/A

2.3 Test Configuration / Block diagram used for tests

Test setup Diagram- Radiated Test


2.4 Testing process

1	Setup the EUT as shown in Section 2.3.
2	Turn on the power of equipment.
3	Verify that the EUT works properly.

Note: We use the Barcode Scanner provided by the customer as the load, we have verified the charging test under each power, and the worst state is placed in the report.

3 VERDICT SUMMARY SECTION

This chapter presents an overview of standards and results. Refer to the next chapters for details of measured test results and applied test levels.

3.1 Standards

Standard	Year	Description
CFR 47, FCC Part 15 C	2023	Intentional Radiators
ANSI C63.10	2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

3.2 Deviation(s) from the Standard(s) / Test Specification(s)

The following deviation(s) was / were made from the published requirements of the listed standards: N/A.

(Please define the deviations from the standard(s) if applicable)

3.3 Overview of results

Requirement – Test case	Basic standard(s)	Verdict	Remark
Conducted Emission	FCC CFR Title 47 Part 15 Subpart C Section 15.207	PASS	---
Field Strength of Spurious	FCC CFR Title 47 Part 15 Subpart C Section 15.209	PASS	---
Channel Bandwidth	FCC CFR Title 47 Part 15 Subpart C Section 15.215(c)	PASS	---
Antenna Requirement	FCC CFR Title 47 Part 15 Subpart C: Section 15.203	PASS	---

3.4 Test Facility

USA	**:**	**FCC Designation Number: CN1199**

4 TEST RESULTS

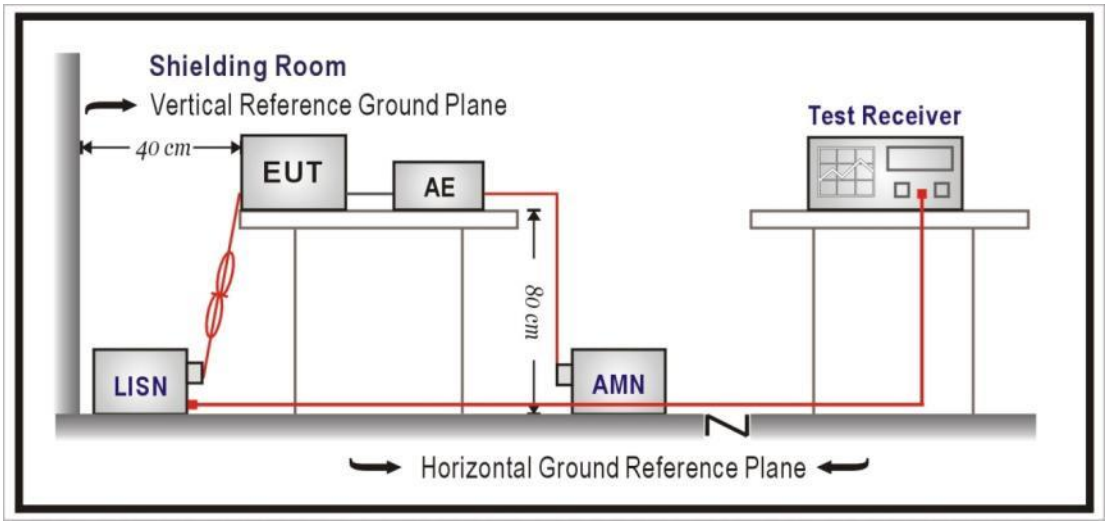
4.1 AC Power Line Conducted Emission	VERDICT: PASS

4.1.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.207	
Frequency range [MHz]	Limit: QP [dB(μV)[1)]]	Limit: AV [dB(μV) [1)]]
0,15 - 0,50	66 – 56 [2)]	56 - 46 [2)]
0,50 - 5,0	56	46
5,0 - 30	60	50

[1)] At the transition frequency, the lower limit applies.
[2)] The limit decreases linearly with the logarithm of the frequency.
NOTE 1: The exclusion band for transmitters shall be considered for transmitters operating at frequencies below 30 MHz.
NOTE 2: Where the AC output port is directly connected (or via a circuit breaker) to the AC power input port of the EUT the AC power output port need not to be tested.

4.1.2 Test Setup

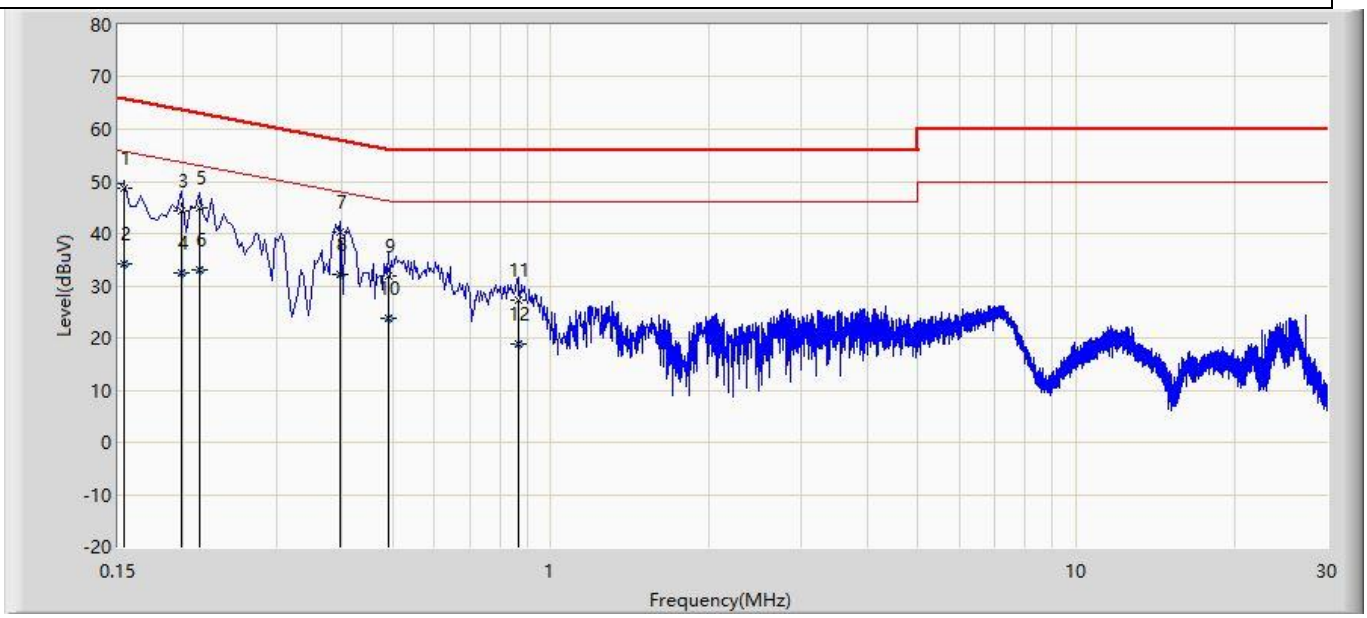


4.1.3 Test Procedure

	References Rule	Chapter	Item
☒	ANSI C63.10-2013	6.2	Standard test method for ac power-line conducted emissions from unlicensed wireless devices

4.1.4 Test Data

Profile: 2350173R	Page No.: 9
Engineer: YuLiu	
Site: TR1	Time: 2023/05/28 - 15:25
Limit: FCC-15.207	Margin: 0
Probe: ENV216_101190(0.009-30MHz)	Polarity: Line
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 1	

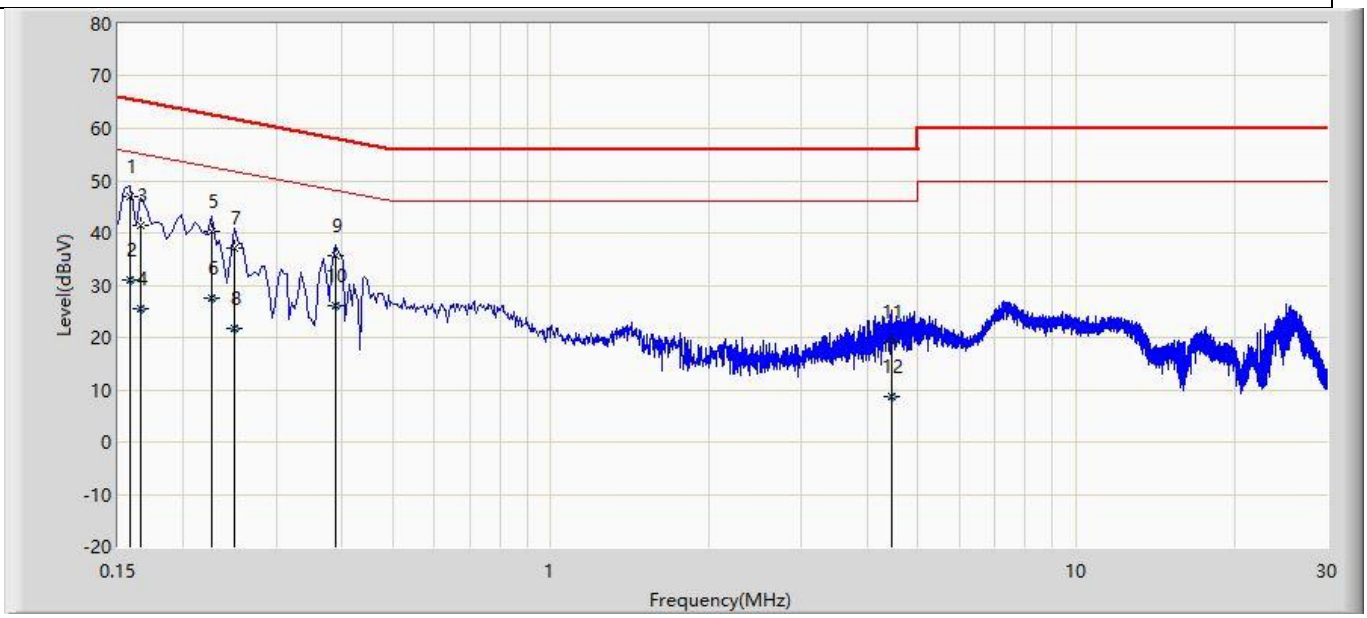


No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Probe (dB)	Cable (dB)	Amp (dB)	Type
1		0.154	48.717	39.138	-17.065	65.781	9.550	0.028	0.000	QP
2		0.154	34.068	24.490	-21.713	55.781	9.550	0.028	0.000	AV
3		0.198	44.371	34.785	-19.323	63.694	9.559	0.028	0.000	QP
4		0.198	32.324	22.737	-21.370	53.694	9.559	0.028	0.000	AV
5		0.214	44.964	35.376	-18.085	63.049	9.561	0.027	0.000	QP
6		0.214	33.118	23.530	-19.931	53.049	9.561	0.027	0.000	AV
7		0.398	40.356	30.741	-17.539	57.895	9.573	0.042	0.000	QP
8	*	0.398	32.102	22.487	-15.793	47.895	9.573	0.042	0.000	AV
9		0.490	31.966	22.343	-24.202	56.168	9.579	0.044	0.000	QP
10		0.490	23.759	14.136	-22.409	46.168	9.579	0.044	0.000	AV
11		0.866	27.353	17.702	-28.647	56.000	9.590	0.060	0.000	QP
12		0.866	18.749	9.099	-27.251	46.000	9.590	0.060	0.000	AV

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Profile: 2350173R	Page No.: 10
Engineer: YuLiu	
Site: TR1	Time: 2023/05/28 - 15:28
Limit: FCC-15.207	Margin: 0
Probe: ENV216_101190(0.009-30MHz)	Polarity: Neutral
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Probe (dB)	Cable (dB)	Amp (dB)	Type
1	*	0.158	47.079	37.509	-18.490	65.568	9.542	0.028	0.000	QP
2		0.158	31.110	21.541	-24.458	55.568	9.542	0.028	0.000	AV
3		0.166	41.352	31.779	-23.806	65.158	9.543	0.029	0.000	QP
4		0.166	25.447	15.875	-29.711	55.158	9.543	0.029	0.000	AV
5		0.226	40.397	30.815	-22.199	62.595	9.553	0.029	0.000	QP
6		0.226	27.554	17.973	-25.041	52.595	9.553	0.029	0.000	AV
7		0.250	36.968	27.381	-24.789	61.757	9.555	0.032	0.000	QP
8		0.250	21.724	12.137	-30.034	51.757	9.555	0.032	0.000	AV
9		0.390	35.724	26.115	-22.340	58.064	9.569	0.040	0.000	QP
10		0.390	25.958	16.348	-22.106	48.064	9.569	0.040	0.000	AV
11		4.446	18.997	9.212	-37.003	56.000	9.647	0.137	0.000	QP
12		4.446	8.676	-1.109	-37.324	46.000	9.647	0.137	0.000	AV

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

4.2 Radiated emission — VERDICT: PASS

4.2.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.209		
Frequency (MHz)	Field strength (μV/m)	Field strength (dBμV/m)	Measurement distance (m)
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300(Note 1)
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30(Note 1)
1.705 - 30	30	29.5	30(Note 1)
30 - 88	100	40	3(Note 2)
88 - 216	150	43.5	3(Note 2)
216 - 960	200	46	3(Note 2)
Above 960	500	54	3(Note 2)

Note 1: The tighter limits apply at the band edges.

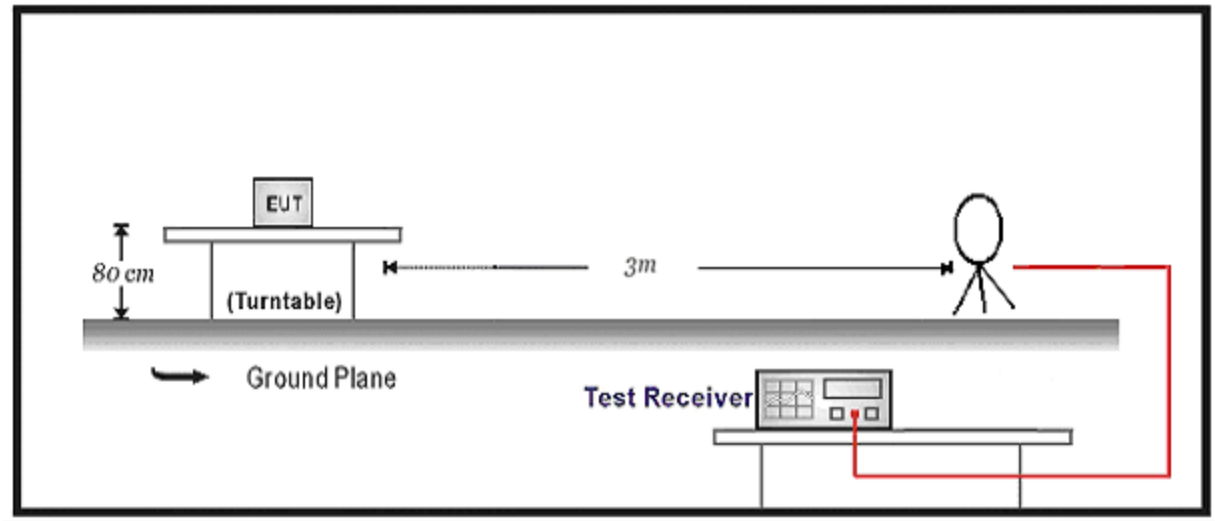
Note 2: Measurements were performed at 10m and the data was extrapolated to the specified measurement distance of 300m using the square of an inverse linear distance extrapolation factor (40 dB/decade) as specified in §15.31(f)(2). Extrapolation Factor = 40 log10(300/10) = 59dB for example.

Measurements were performed at 10m and the data was extrapolated to the specified measurement distance of 30m using the square of an inverse linear distance extrapolation factor (40 dB/decade) as specified in §15.31(f)(2). Extrapolation Factor = 40 log10(30/10) = 19dB for example.

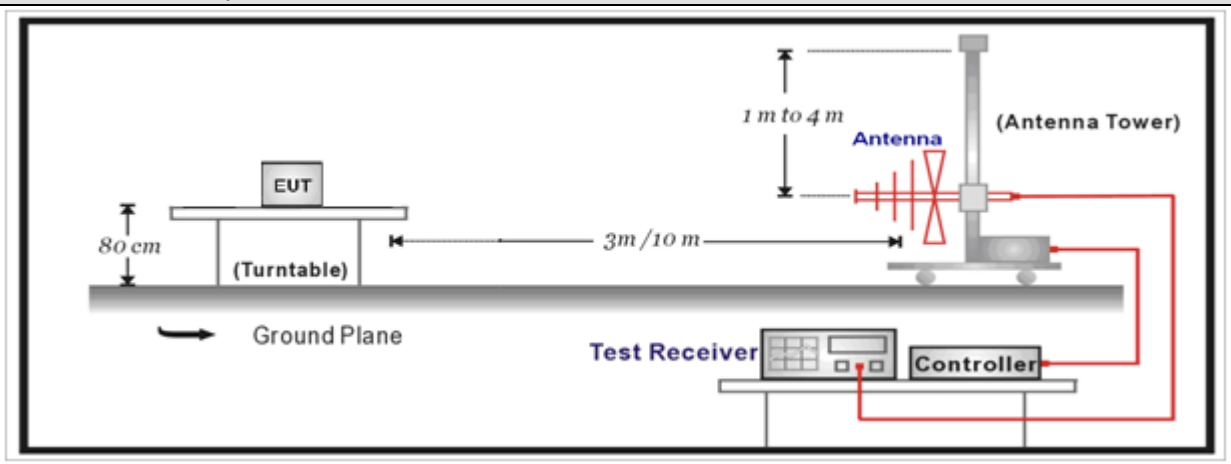
Note 3: All measurements were performed using a loop antenna. The antenna was positioned in three orthogonal positions (X front, Y side, Z top) and the position with the highest emission level was recorded.

4.2.2 Test Setup

Below 30MHz Test Setup:



30MHz-1GHz Test Setup:

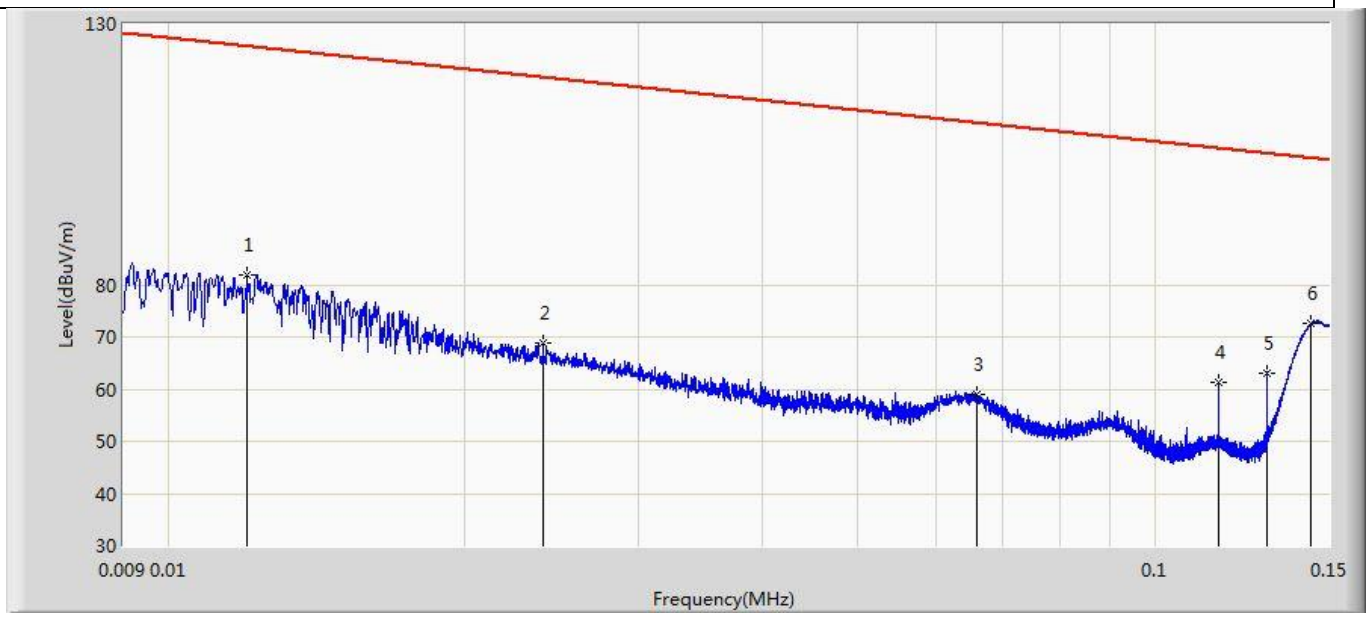


4.2.3 Test Procedure

	References Rule		Chapter	Description
☒	ANSI C63.10		11.12	Emissions in restricted frequency bands
	☒ ANSI C63.10		11.12.1	Radiated emission measurements
	☒ ANSI C63.10		11.12.2.7	Radiated spurious emission test
		☒ ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
		☒ ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
		☐ ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz

4.2.4 Test Data

Profile: 2350173R	Page No.: 1
Engineer: Yuliu	
Site: AC2	Time: 2023/05/09 - 19:15
Limit: 15.209	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: X
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode1	

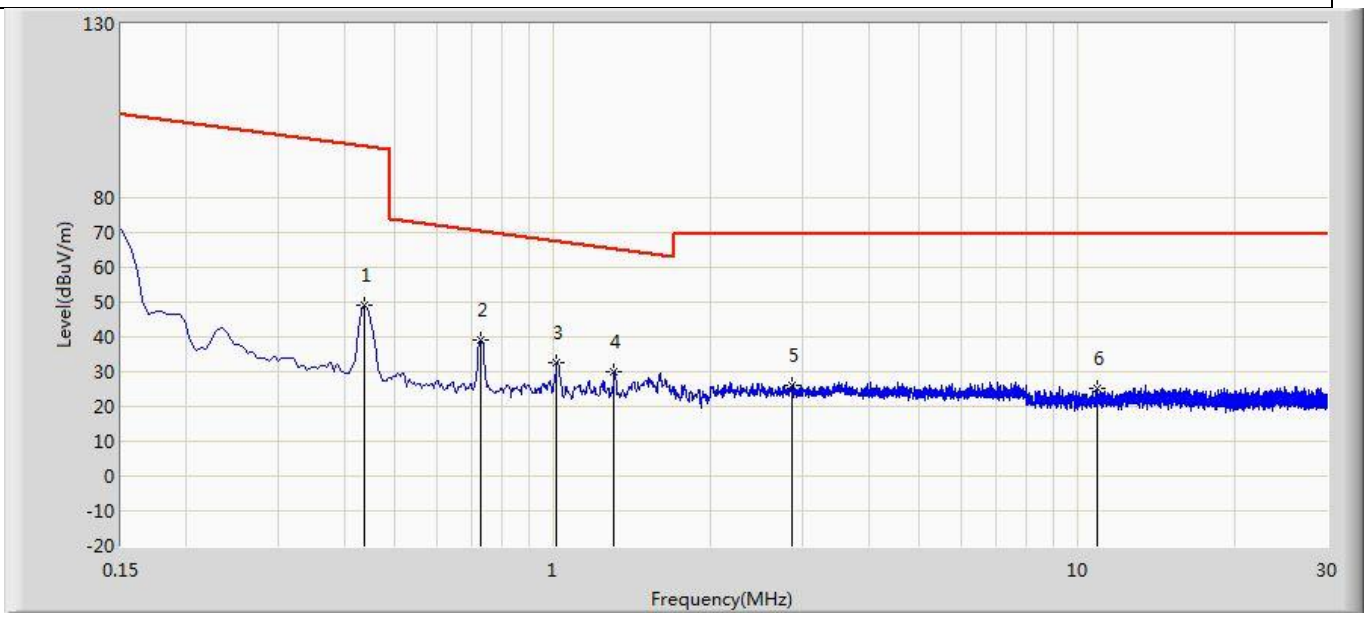


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		0.012	81.757	60.632	-44.146	125.903	21.125	PK
2		0.024	68.922	47.425	-50.963	119.885	21.497	PK
3		0.066	59.101	37.168	-52.003	111.103	21.933	PK
4		0.116	61.298	39.423	-44.910	106.208	21.875	PK
5		0.130	63.163	41.303	-42.056	105.219	21.860	PK
6	*	0.144	72.712	50.863	-31.619	104.331	21.849	PK

Note 1. Mark 6 is the fundamental emission.

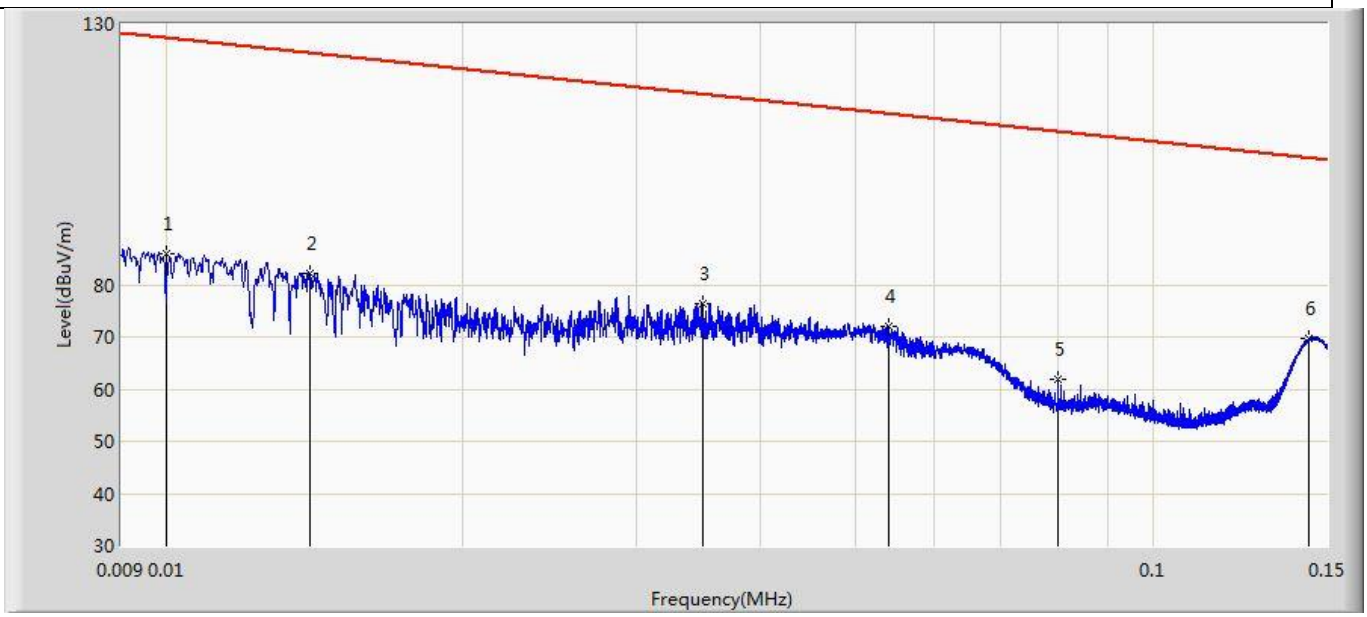
2. Except Main frequency, others are noise floor.

Profile: 2350173R	Page No.: 2
Engineer: Yuliu	
Site: AC2	Time: 2023/05/09 - 19:19
Limit: 15.209	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: X
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		0.437	49.249	27.696	-45.444	94.694	21.553	PK
2	*	0.728	38.951	18.176	-31.320	70.271	20.774	PK
3		1.016	32.461	12.504	-34.923	67.384	19.957	PK
4		1.310	29.913	9.666	-35.270	65.183	20.246	PK
5		2.851	25.919	5.069	-43.481	69.400	20.850	PK
6		10.900	25.175	4.477	-44.225	69.400	20.698	PK

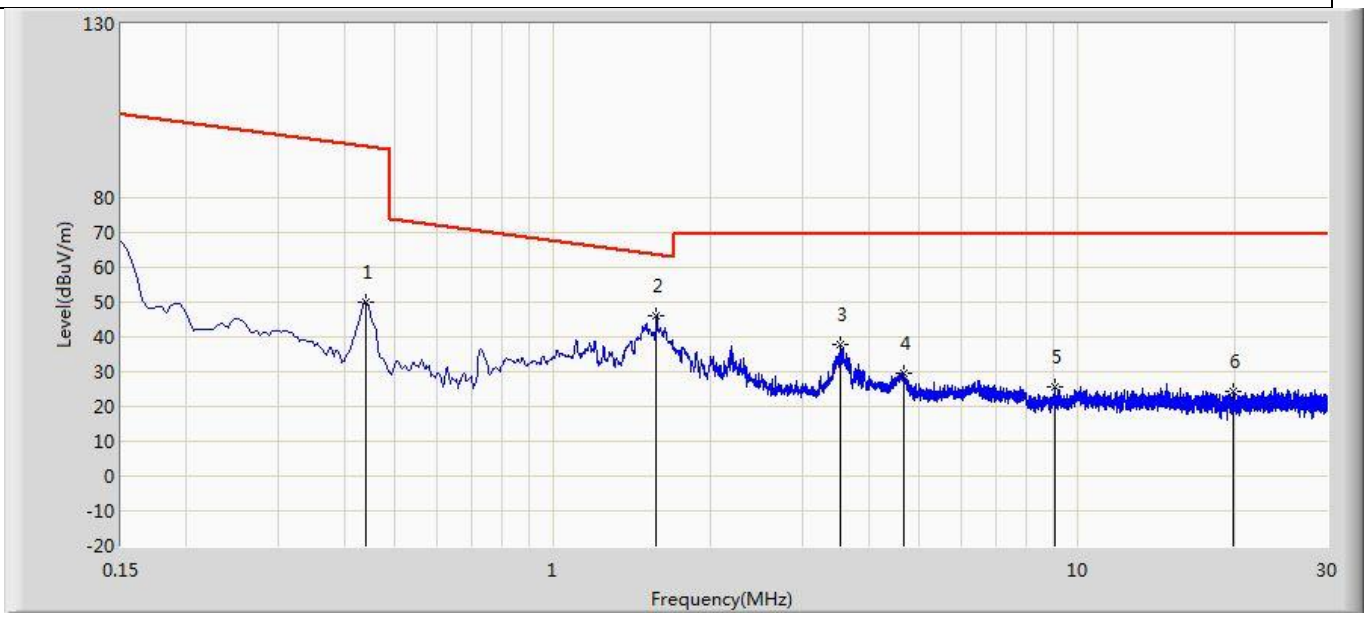
Profile: 2350173R	Page No.: 3
Engineer: Yuliu	
Site: AC2	Time: 2023/05/09 - 19:22
Limit: 15.209	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Y
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		0.010	85.799	65.237	-41.686	127.485	20.562	PK
2		0.014	82.253	61.566	-42.312	124.564	20.687	PK
3		0.035	76.445	55.107	-40.165	116.610	21.338	PK
4		0.054	72.146	50.700	-40.700	112.846	21.446	PK
5		0.080	61.909	40.492	-47.525	109.433	21.416	PK
6	*	0.144	69.629	48.280	-34.702	104.331	21.349	PK

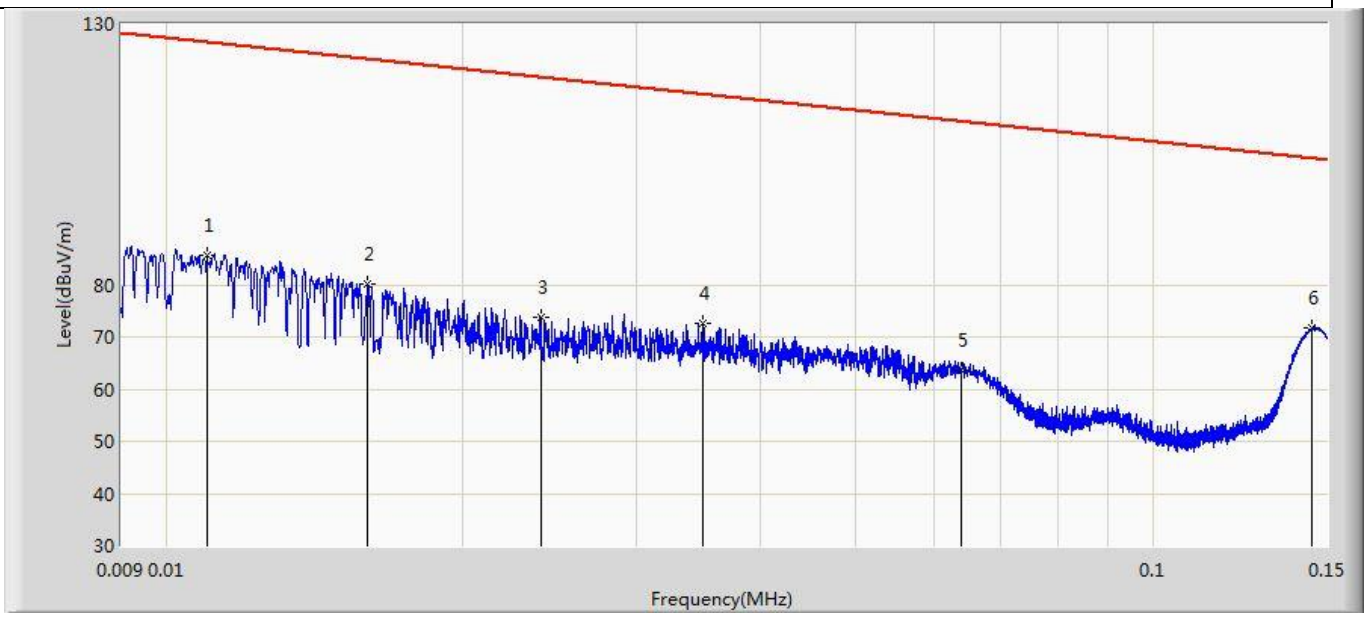
Note 1. Mark 6 is the fundamental emission.
2. Except Main frequency, others are noise floor.

Profile: 2350173R	Page No.: 4
Engineer: Yuliu	
Site: AC2	Time: 2023/05/09 - 19:23
Limit: 15.209	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Y
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		0.441	49.850	28.801	-44.764	94.615	21.050	PK
2	*	1.575	46.202	26.186	-17.385	63.587	20.015	PK
3		3.538	37.751	17.484	-31.649	69.400	20.267	PK
4		4.687	29.447	9.323	-39.953	69.400	20.124	PK
5		9.090	25.626	5.541	-43.774	69.400	20.085	PK
6		19.855	24.203	4.385	-45.197	69.400	19.818	PK

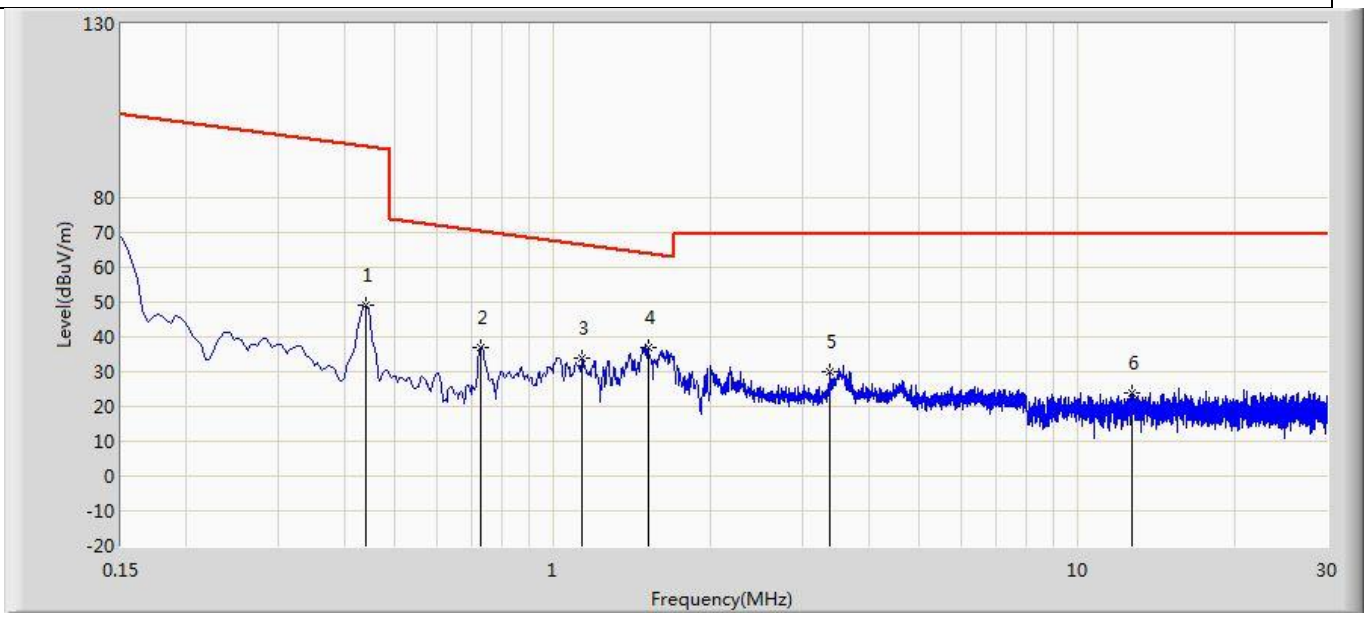
Profile: 2350173R	Page No.: 5
Engineer: Yuliu	
Site: AC2	Time: 2023/05/09 - 19:25
Limit: 15.209	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Z
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode1	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		0.011	85.747	65.154	-40.910	126.658	20.594	PK
2		0.016	80.009	59.260	-43.397	123.405	20.748	PK
3		0.024	73.675	52.678	-46.210	119.885	20.997	PK
4		0.035	72.741	51.403	-43.869	116.610	21.338	PK
5		0.064	63.632	42.197	-47.739	111.371	21.435	PK
6	*	0.145	71.790	50.442	-32.481	104.271	21.348	PK

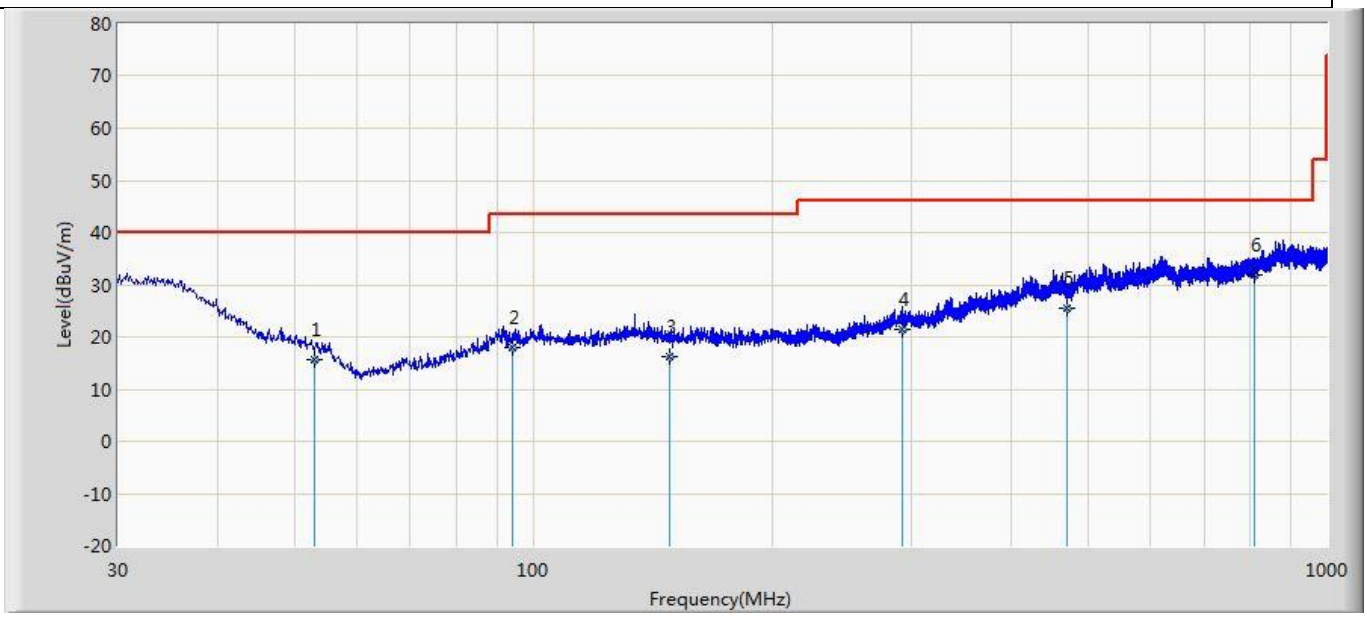
Note 1. Mark 6 is the fundamental emission.
2. Except Main frequency, others are noise floor.

Profile: 2350173R	Page No.: 6
Engineer: Yuliu	
Site: AC2	Time: 2023/05/09 - 19:28
Limit: 15.209	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Z
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode1	



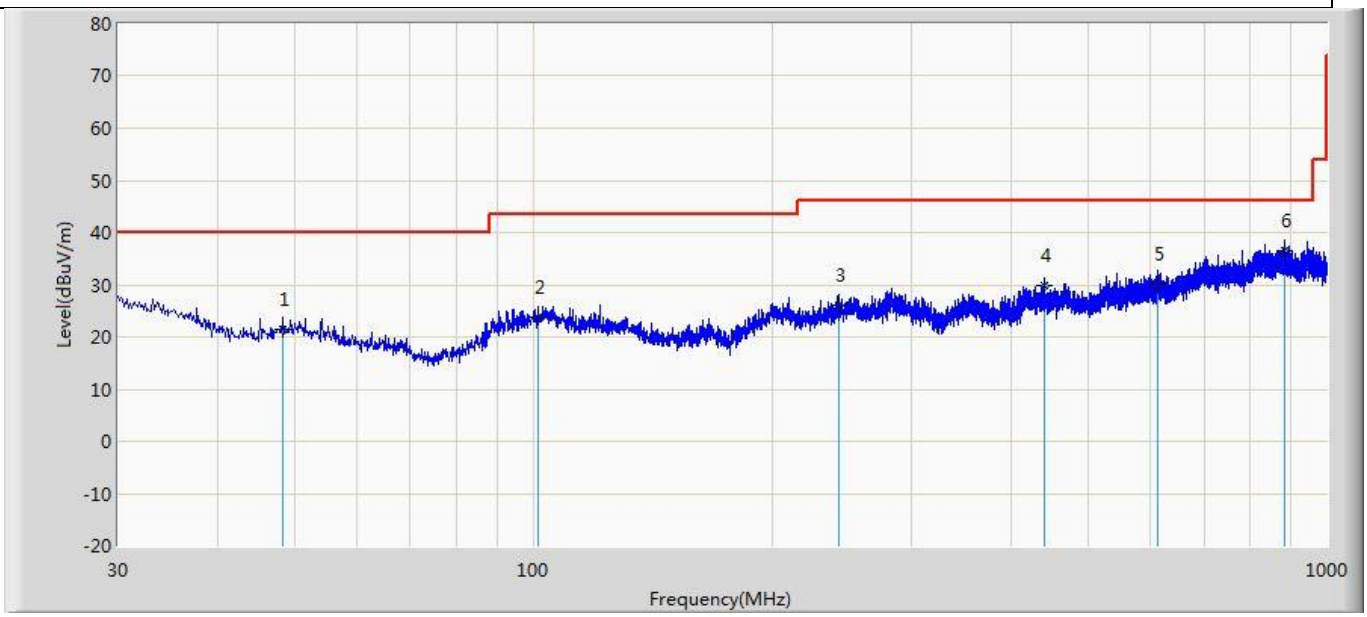
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		0.441	49.214	28.165	-45.400	94.615	21.050	PK
2		0.728	36.873	16.598	-33.398	70.271	20.274	PK
3		1.135	34.083	14.506	-32.341	66.425	19.577	PK
4	*	1.519	37.167	17.206	-26.733	63.901	19.961	PK
5		3.385	29.879	9.592	-39.521	69.400	20.287	PK
6		12.777	23.894	3.444	-45.506	69.400	20.450	PK

Profile: 2350173R	Page No.: 3
Engineer: Yuliu	
Site: AC2	Time: 2023/05/19 - 16:12
Limit: FCC_Part 15.109_RE (3m)_Class B	Margin: 0
Probe: AC2_3M (30-1000M)	Polarity: Horizontal
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 1: Transmit	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		53.037	15.637	1.214	-24.363	40.000	14.423	QP
2		94.262	17.934	3.123	-25.566	43.500	14.811	QP
3		148.583	16.147	-0.728	-27.353	43.500	16.875	QP
4		291.779	21.307	0.749	-24.693	46.000	20.558	QP
5		470.259	25.379	-1.073	-20.621	46.000	26.452	QP
6	*	809.638	31.913	2.083	-14.087	46.000	29.831	QP

Profile: 2350173R	Page No.: 4
Engineer: Yuliu	
Site: AC2	Time: 2023/05/19 - 16:12
Limit: FCC_Part 15.109_RE (3m)_Class B	Margin: 0
Probe: AC2_3M (30-1000M)	Polarity: Vertical
EUT: Charge Base	Power: 120 Vac / 60 Hz
Note: Mode 1: Transmit	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		48.430	21.418	2.365	-18.582	40.000	19.053	QP
2		101.537	23.639	1.591	-19.861	43.500	22.049	QP
3		243.158	26.116	2.562	-19.884	46.000	23.554	QP
4		439.946	29.773	3.664	-16.227	46.000	26.110	QP
5		612.000	30.158	2.077	-15.842	46.000	28.081	QP
6	*	884.570	36.604	2.910	-9.396	46.000	33.694	QP

Note 1: " * ", means this data is the worst emission level.
Note 2: Measurement Level = Reading Level + Factor(Probe+Cable-Amp).
Note 3: dBμA/m = dBμV/m – 51.5

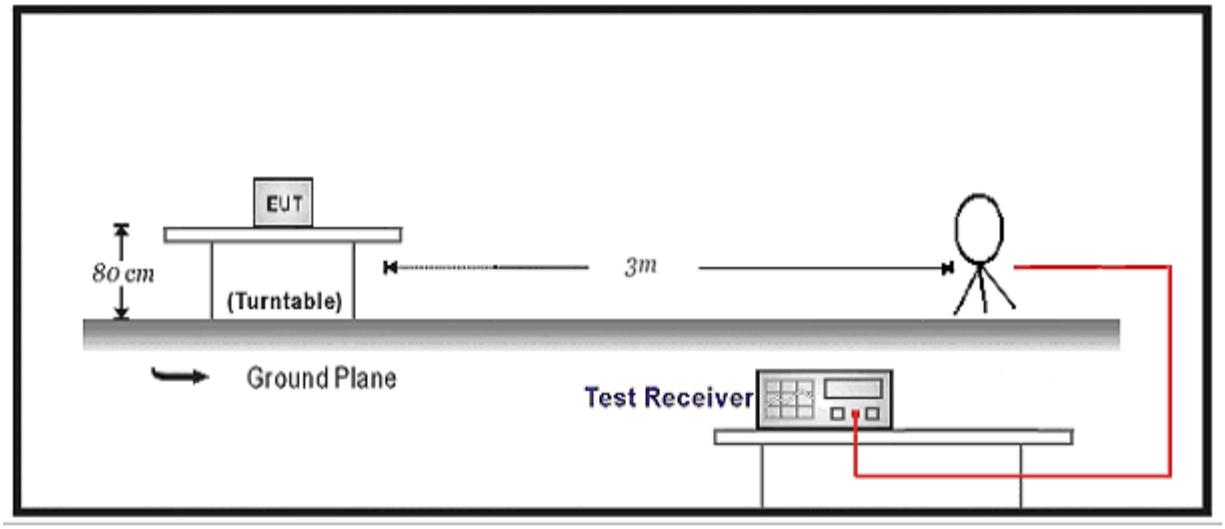
4.3 20dB Bandwidth	VERDICT: PASS

4.3.1 Limit

Standard	FCC Part 15 Subpart C

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.215(c), must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

4.3.2 Test Setup



4.3.3 Test Procedure

The bandwidth of the fundamental frequency was measured by spectrum analyzer with the RBW 1%~5% of 20dBc bandwidth and the VBW three times of the RBW. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

4.3.4 Test Data

Mode	Test Freq. (kHz)	20dB Occupied Bandwidth (Hz)	99% Occupied Bandwidth (Hz)	Result
1	141	80	158	Pass

4.4 Antenna Requirement	VERDICT: PASS

4.4.1 Limit:	
Standard	FCC Part 15 Subpart C Paragraph 15.203
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsibby LE 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 shall be considered sufficient to comply with the provisions of this section. 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 eby LEctrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally instalby LEd, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the instalby LEr shall be responsibby LE for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.	

4.4.2 Antenna Connector Construction:	
☒	The use of a permanently attached antenna
☐	The antenna use of a unique coupling to the intentional radiator
☐	The use of a nonstandard antenna jack or eby LEctrical connector
Pby LEase refer to the attached document “Internal Photograph” to show the antenna connector.	

5 TEST SETUP PHOTO AND EUT PHOTO

Remark: The test setup photo and EUT Photo please see appendix.

The End