



FCC CERTIFICATION TEST REPORT

FOR

Applicant	:	KREAFUNK APS
Address of Applicant	:	Klamsagervej 35 A, st.8230 Abyhoj,Denmark
Manufacturer	:	SHENZHEN RUNXINFENG TECHNOLOGY CO.,LTD
Address of Manufacturer	:	Building A6, 1st Floor, Nanpu Road, Xinqiao Street, Bao'an District, Shenzhen City, Guangdong Province, China
Equipment under Test	:	Wireless charger
Model No.	:	Paddy
FCC ID	:	2ACVC-PADDY
Test Standard(s)	:	FCC Rules and Regulations Part 15 Subpart C ANSI C63.10:2013
Report No.	:	DDT-RE24010331-8E01
Issue Date	:	2024/04/08
Issued By	:	Guangdong Dongdian Testing Service Co., Ltd. Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

REPORT

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Test Report Declare

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Equipment under Test	:	Wireless charger
Model No.	:	Paddy
Manufacturer	:	SHENZHEN RUNXINFENG TECHNOLOGY CO.,LTD
Address	:	Building A6, 1st Floor, Nanpu Road, Xinqiao Street, Bao'an District, Shenzhen City, Guangdong Province, China

Test Standard Used:

FCC Rules and Regulations Part 15 Subpart C

Test procedure used:

ANSI C63.10:2013

We Declare:

The equipment described above is tested by Dongguan Dongdian Testing Service Co., Ltd and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Dongguan Dongdian Testing Service Co., Ltd is assumed of full responsibility for the accuracy and completeness of these tests.

After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above FCC standards.

Report No.:	DDT-RE24010331-8E01		
Date of Receipt:	2024/02/06	Date of Test:	2024/02/06--2024/04/08

Prepared By:**Jacky Huang/Engineer****Approved By:****Damon Hu/EMC Manager**

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Guangdong Dongdian Testing Service Co., Ltd.

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	2024/04/08	

1 Summary of Test Results

Description of Test Item	Standard	Results
20 dB Bandwidth	FCC Part 15: 15.215	Pass
Radiated Emission	FCC Part 15: 15.209	Pass
Power Line Conducted Emissions	FCC Part 15: 15.207	Pass
Antenna Requirement	FCC Part 15: 15.203	Pass

2 General Test Information

2.1. Description of EUT

EUT Name	: Wireless charger
Model Number	: Paddy
EUT function description	: Please reference user manual of this device
Power Supply	: Input:5V=2A, 9V=2.5A Output: 5W, 7.5W, 10W, 15W
Wireless charging Operation frequency	: 115 kHz – 148.5 kHz
Antenna Type	: Inductive loop coil antenna
Sample Number	: S24010331-035

Note: EUT is the abbreviation of equipment under test.

In section 15.31(m), regards to the operating frequency range less than 1 MHz, only one of channel was selected to perform the test.

Channel	Frequency (kHz)
Testing channel	142.252

2.2. Accessories of EUT

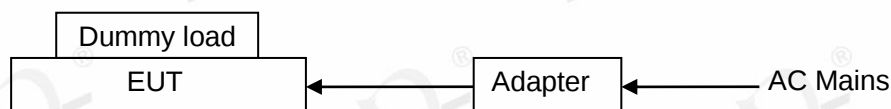
Description of Accessories	Manufacturer	Model number	Description
USB cable	N/A	N/A	N/A

2.3. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Other
Dummy load	N/A	N/A	N/A
USB-C Power Adapter	apple	A1882	Input: 100-240V~ 50/60Hz, Output: 20V/1.5A or 15V/2A or 9V/3A or 5V/3A
GaN Power Adapter	SHENZHEN EZREAL TECHNOLOGY CO.,LTD	GaN-003	Input: 100-240V~ 50/60Hz, Output: 20V/3.2.5A or 15V/3A or 12V/3A or 9V/3A or 5V/3A

2.4. Block diagram of EUT configuration for test

For mode 1: Tx mode (5W load, 7.5W load, 10W load, 15W load):



For mode 2: Standby mode:



2.5. Deviations of test standard

No deviation.

2.6. Test environment conditions

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

Temperature range:	+15°C- +35 °C
Humidity range:	20-75%
Pressure range:	86-106 kPa

2.7. Test laboratory

Guangdong Dongdian Testing Service Co., Ltd.

Add.: Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808.

Tel.: +86-0769-38826678, <http://www.dgddt.com>, Email: ddt@dgddt.com.

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, R-20155, G-20118

2.8. Measurement uncertainty

Test Item	Uncertainty
Uncertainty for Conduction emission test	3.32 dB (150 kHz - 30 MHz)
	3.72 dB (9 kHz - 150 kHz)
Uncertainty for Radiation Emission Test (9 kHz – 30 MHz)	3.44 dB
Uncertainty for Radiation Emission test (30 MHz - 1 GHz)	4.70 dB (Antenna Polarize: V)
	4.84 dB (Antenna Polarize: H)
Uncertainty for Radiation Emission test (1 GHz to 18 GHz)	4.10 dB (1-6 GHz)
	4.40 dB (6 GHz - 18 GHz)
Bandwidth	1.1%
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

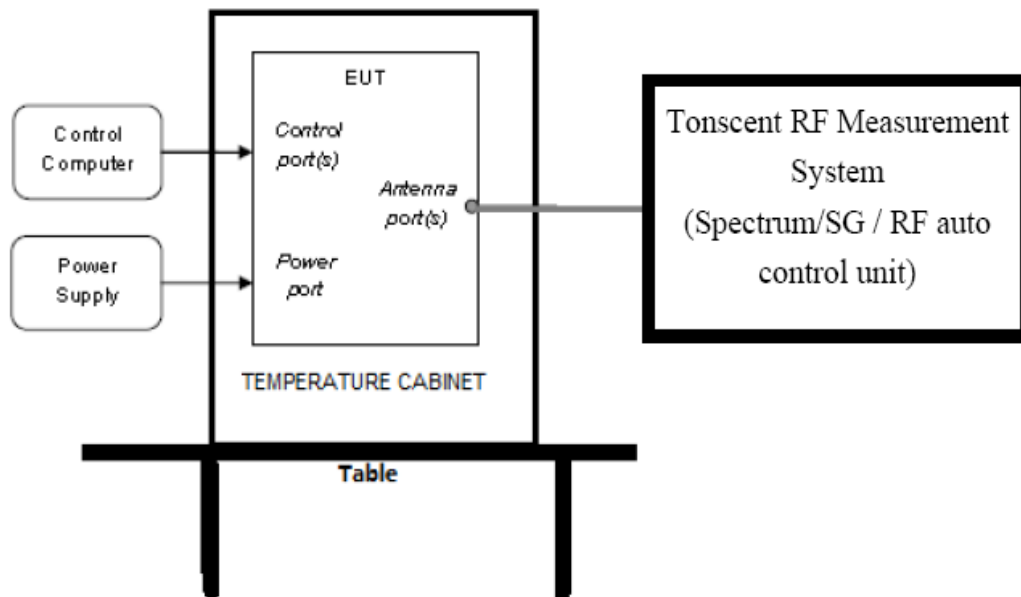
3 Equipment Used During Test

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To	Cal. Interval
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/	NA
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2024/04/23	1 Year
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2024/05/14	1 Year
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2024/05/14	1 Year
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2024/04/27	1 Year
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/	NA
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2024/07/14	1 Year
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2024/04/23	1 Year
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2024/04/26	1 Year
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2024/04/23	1 Year
Hochgewinn-Hornantenne	Schwarzbeck Mess-Elektronik	BBHA 9120 D	DDT-ZC02129	2024/09/17	1 Year
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2024/04/21	1 Year
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2024/04/20	1 Year
High Pass filter	XIANXINGBO	XBLBQ-GTA67	DDT-ZC02179	2024/05/14	1 Year
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2024/09/10	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2024/07/11	1 Year
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2024/04/23	1 Year
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2024/04/21	1 Year

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To	Cal. Interval
Artificial mains	R&S	ESH2-Z5	DDT-ZC00538	2024/07/11	1 Year
CE Cable 1	R&S	ESU8/RF2	DDT-ZC00566	2024/07/14	1 Year
Pulse Limiter	SCHWARZBECK	ESH3-Z2	DDT-ZC00539	2024/07/14	1 Year
EMI Test Receiver	R&S	ESCI	DDT-ZC00235	2024/07/10	1 Year
EMI Test Software	Audix/TW	e3	DDT-ZC01252	/	NA
Two Line V-Network	R&S	ENV216	DDT-ZC00535	2024/07/10	1 Year

4 20 dB Bandwidth

4.1. Block diagram of test setup



4.2. Limits

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in § 15.217 through 15.257 and in Subpart E of this part, 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. Test procedure

(1) Connect EUT to spectrum analyzer and use the following settings:

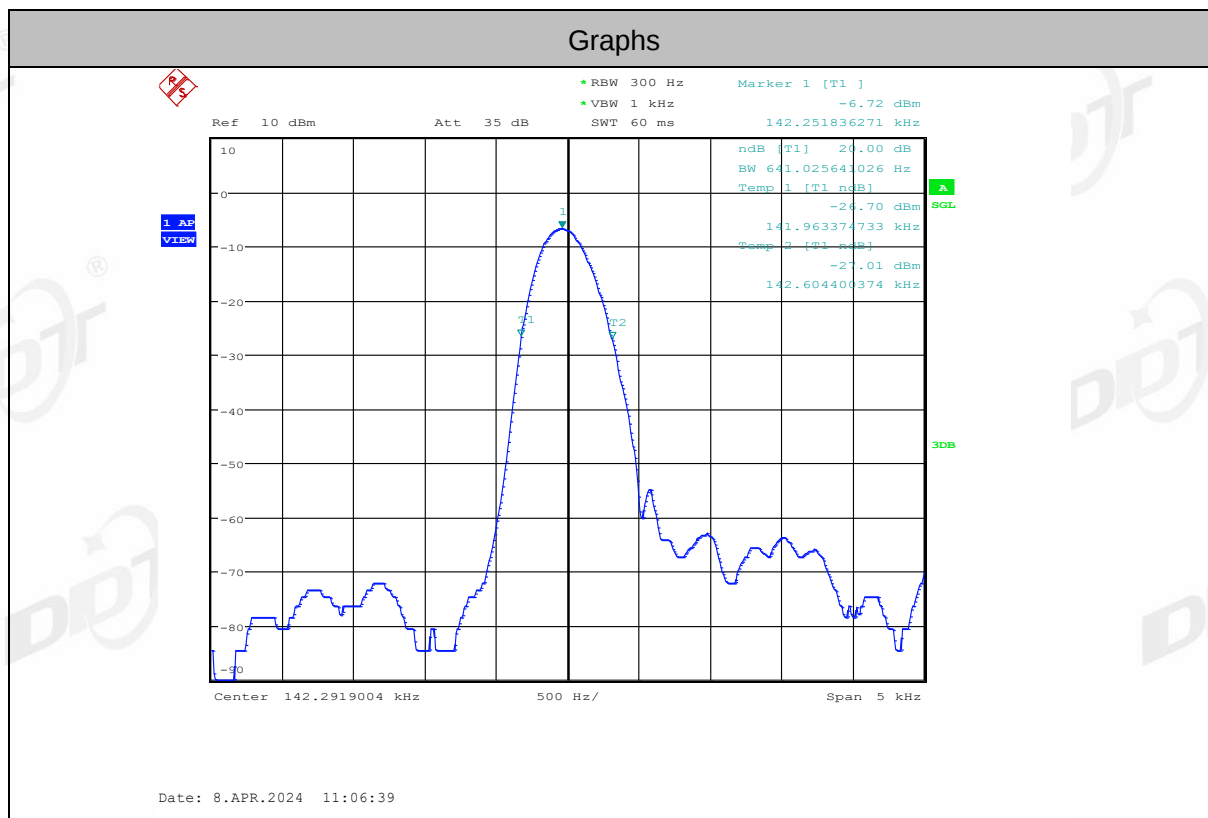
Centre Frequency	The centre frequency of the channel under test
Detector	Peak
RBW	1% to 5% of the occupied bandwidth
VBW	Approximately 3xRBW
Trace	Max hold
Sweep	Auto

(2) The 20 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20 dB.

4.4. Test result

Frequency (kHz)	20 dB bandwidth Result (Hz)	Conclusion
142.252	641.026	Pass

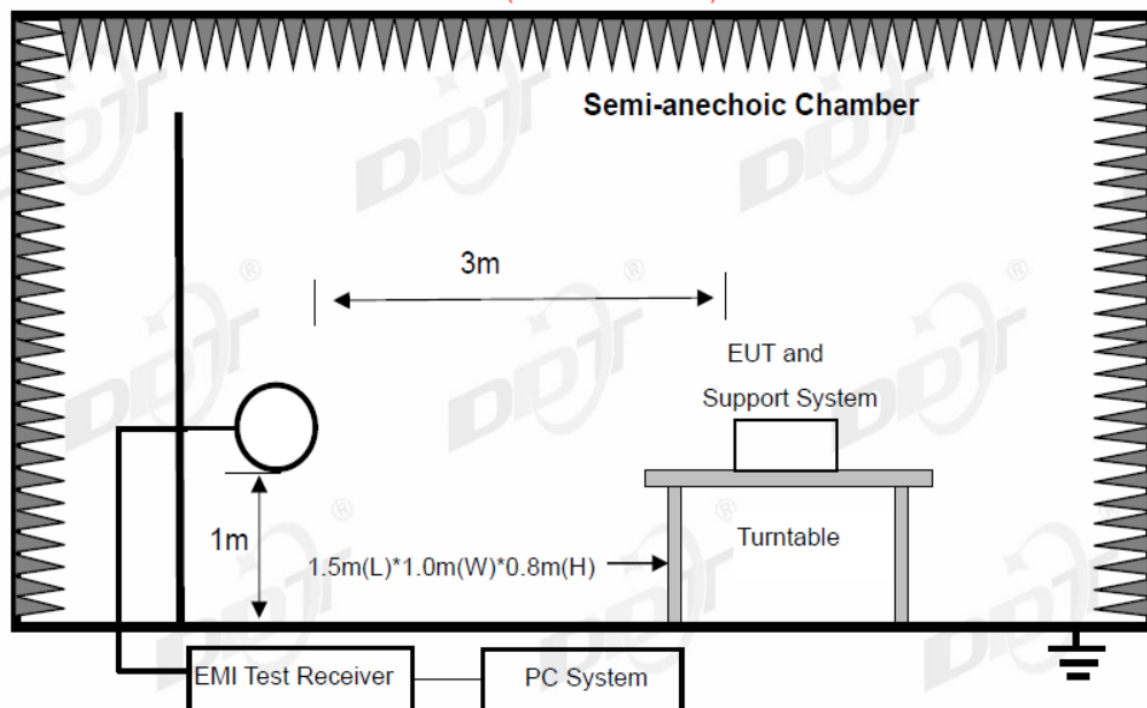
4.5. Original test data



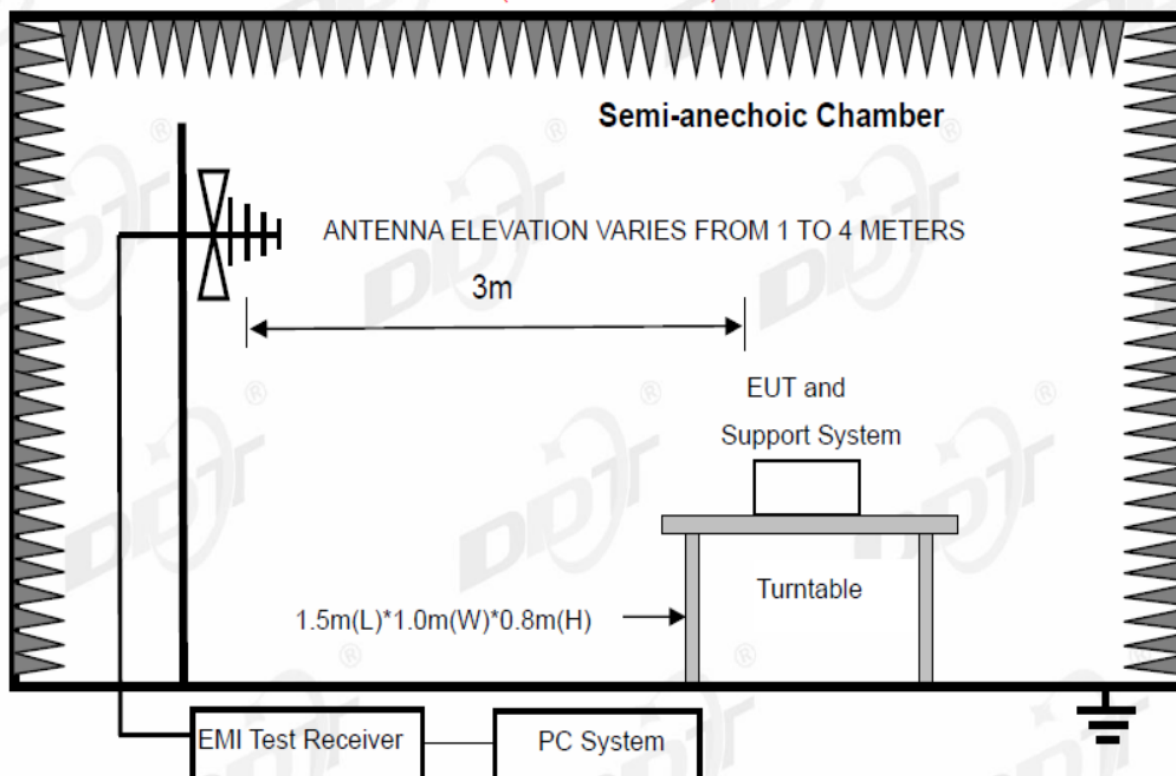
5 Radiated Emission

5.1. Block diagram of test setup

In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



In 3 m Anechoic Chamber, test setup diagram for 30 MHz - 1 GHz:



5.2. Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		$\mu\text{V/m}$	$\text{dB}(\mu\text{V})/\text{m}$
0.009 ~ 0.490	300	$2400/F(\text{kHz})$	$67.6-20\log(F)$
0.490 ~ 1.705	30	$24000/F(\text{kHz})$	$87.6-20\log(F)$
1.705 ~ 30.0	30	30	29.54
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0

Note: (1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30 MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$$\text{Limit}_{3\text{m}}(\text{dB}\mu\text{V/m}) = \text{Limit}_{300\text{m}}(\text{dB}\mu\text{V/m}) + 40\log(300\text{m}/3\text{m}) = \text{Limit}_{300\text{m}}(\text{dB}\mu\text{V/m}) + 80$$

$$\text{Limit}_{3\text{m}}(\text{dB}\mu\text{V/m}) = \text{Limit}_{30\text{m}}(\text{dB}\mu\text{V/m}) + 40\log(30\text{m}/3\text{m}) = \text{Limit}_{30\text{m}}(\text{dB}\mu\text{V/m}) + 40$$

5.3. Test procedure

(1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber.

(2) Test antenna was located 3m from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used	Test antenna distance
9 kHz - 30 MHz	Active Loop antenna	3 m
30 MHz - 1 GHz	Trilog Broadband Antenna	3 m

According ANSI C63.10:2013 clause 6.4.6 and 6.5.3, for measurements below 30 MHz, Antenna was located 3 m from EUT, the loop antenna was positioned in three antenna orientations (parallel, perpendicular, and round-parallel), for each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable, and the lowest height of the magnetic antenna shall be 1 m above the ground. For measurement above 30 MHz, the Trilog Broadband Antenna or Horn Antenna was located 3 m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 1 GHz:

(a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1 m above ground.)

(b) Change work frequency or channel of device if practicable.

(c) Change modulation type of device if practicable.

(d) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produce highest emissions. Spectrum frequency from 9 kHz to 1 GHz (tenth harmonic of fundamental frequency) was investigated.

(4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission.

Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10:2013 on Radiated Emission test.

(5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9-90 kHz, 110-490 kHz, for emissions from 9 kHz - 90 kHz, 110 kHz - 490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.

(6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW.

Frequency band	RBW
9 kHz - 150 kHz	200 Hz
150 kHz - 30 MHz	9 kHz
30 MHz - 1 GHz	120 kHz

5.4. Test result

Pass. (See below detailed test result)

Note: All output power modes have been tested and only the worst mode (15W) is recorded in this report.

Below 30 MHz:

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-03-11

Tested By: Junchang Du

EUT: Wireless charger;Bluetooth speaker

Model Number: Paddy

Test Mode: OPERATE

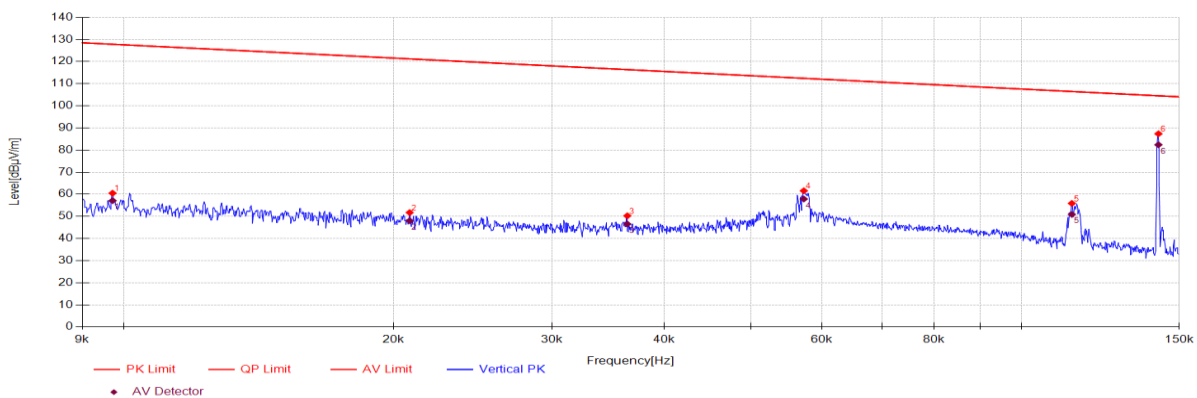
Power Supply: AC 120V/60Hz

Condition: Temp:24.9°C;Humi:66.0%

Test Site: DDT 3# Chamber

File Path: d:\ts\2024 report data\Q24010331-8E Paddy\FCC BELOW 1G 9K-30M\20240311-152450_H

Memo: Sample Number:S24010331-035 Power Setting:NA 15W X



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	0.010	69.22	20.50	0.07	-29.30	60.49	127.84	67.35	PK	X
2	0.021	60.49	20.49	0.07	-29.32	51.73	121.22	69.49	PK	X
3	0.036	59.13	20.40	0.07	-29.35	50.25	116.37	66.12	PK	X
4	0.057	70.49	20.40	0.07	-29.38	61.58	112.44	50.86	PK	X
5	0.114	65.01	20.28	0.07	-29.48	55.88	106.47	50.59	PK	X
6	0.142	96.68	20.14	0.07	-29.53	87.36	104.54	17.18	PK	X

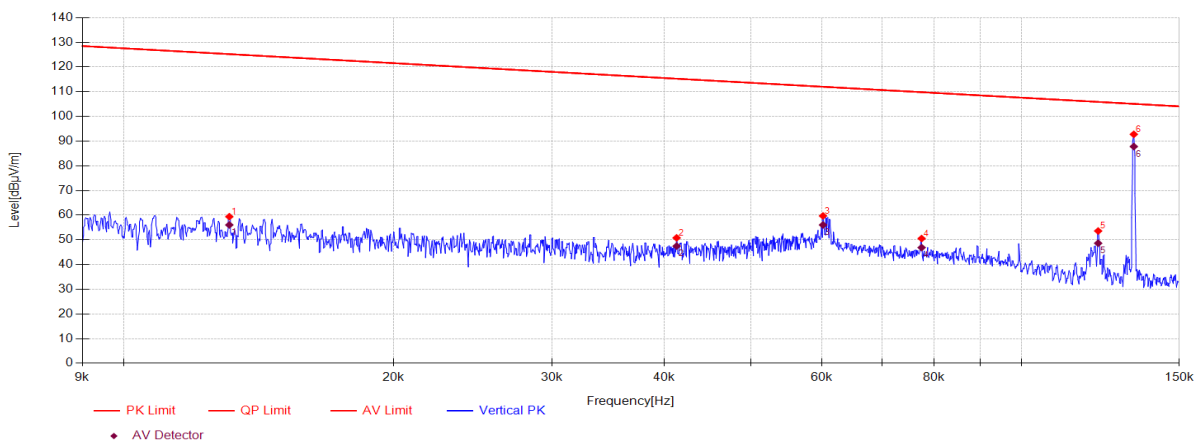
Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	0.010	65.85	20.50	0.07	-29.30	57.12	127.86	70.74	AV	X
2	0.021	56.79	20.49	0.07	-29.32	48.03	121.24	73.21	AV	X
3	0.036	55.43	20.40	0.07	-29.35	46.55	116.38	69.83	AV	X
4	0.057	66.79	20.40	0.07	-29.38	57.88	112.44	54.56	AV	X
5	0.114	60.03	20.28	0.07	-29.48	50.90	106.47	55.57	AV	X
6	0.142	91.7	20.14	0.07	-29.53	82.38	104.54	22.16	AV	X

Note:

1. Level = Reading + Cable Loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: 9kHz-150kHz RBW: 300Hz, VBW: 1 kHz, Sweep time: auto.
150kHz-30MHz RBW: 10kHz, VBW: 30kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-03-11 **Tested By:** Junchang Du
EUT: Wireless charger;Bluetooth speaker **Model Number:** Paddy
Test Mode: OPERATE **Power Supply:** AC 120V/60Hz
Condition: Temp:24.9°C;Humi:66.0% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24010331-8E Paddy\FCC BELOW 1G 9K-30M\20240311-162959_H
Memo: Sample Number: S24010331-035 Power Setting:NA 15W Y



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	0.013	68.13	20.50	0.07	-29.31	59.39	125.24	65.85	PK	Y
2	0.041	59.70	20.40	0.07	-29.36	50.81	115.28	64.47	PK	Y
3	0.060	68.63	20.40	0.07	-29.39	59.71	112.02	52.31	PK	Y
4	0.077	59.49	20.40	0.07	-29.42	50.54	109.82	59.28	PK	Y
5	0.122	62.77	20.24	0.07	-29.49	53.59	105.89	52.30	PK	Y
6	0.133	102.01	20.18	0.07	-29.51	92.75	105.09	12.34	PK	Y

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	0.013	64.79	20.50	0.07	-29.31	56.05	125.25	69.20	AV	Y
2	0.041	56.36	20.40	0.07	-29.36	47.47	115.28	67.81	AV	Y
3	0.060	64.96	20.40	0.07	-29.39	56.04	112.02	55.98	AV	Y
4	0.077	55.82	20.40	0.07	-29.42	46.87	109.81	62.94	AV	Y
5	0.122	57.82	20.24	0.07	-29.49	48.64	105.89	57.25	AV	Y
6	0.133	97.06	20.18	0.07	-29.51	87.80	105.09	17.29	AV	Y

Note:

- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
- Test setup: 9kHz-150kHz RBW: 300Hz, VBW: 1 kHz, Sweep time: auto.
150kHz-30MHz RBW: 10kHz, VBW: 30kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-03-11

Tested By: Junchang Du

EUT: Wireless charger;Bluetooth speaker

Model Number: Paddy

Test Mode: OPERATE

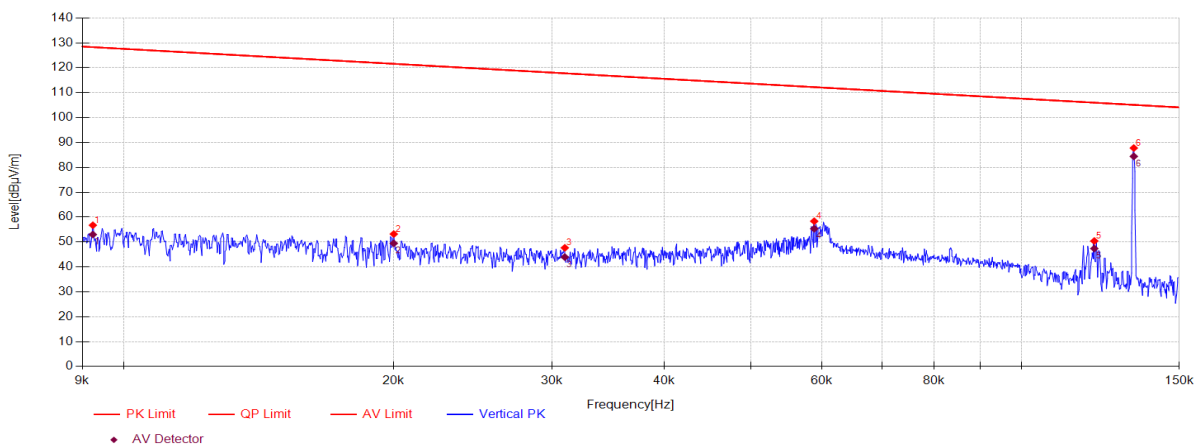
Power Supply: AC 120V/60Hz

Condition: Temp:24.9°C;Humi:66.0%

Test Site: DDT 3# Chamber

File Path: d:\ts\2024 report data\Q24010331-8E Paddy\FCC BELOW 1G 9K-30M\20240311-163026_H

Memo: Sample Number: S24010331-035 Power Setting:NA 15W Z



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	0.009	65.48	20.50	0.07	-29.30	56.75	128.28	71.53	PK	Z
2	0.020	61.95	20.50	0.07	-29.32	53.20	121.58	68.38	PK	Z
3	0.031	56.54	20.40	0.07	-29.34	47.67	117.77	70.10	PK	Z
4	0.059	67.28	20.40	0.07	-29.39	58.36	112.21	53.85	PK	Z
5	0.121	59.58	20.25	0.07	-29.49	50.41	105.97	55.56	PK	Z
6	0.133	97.01	20.18	0.07	-29.51	87.75	105.09	17.34	PK	Z

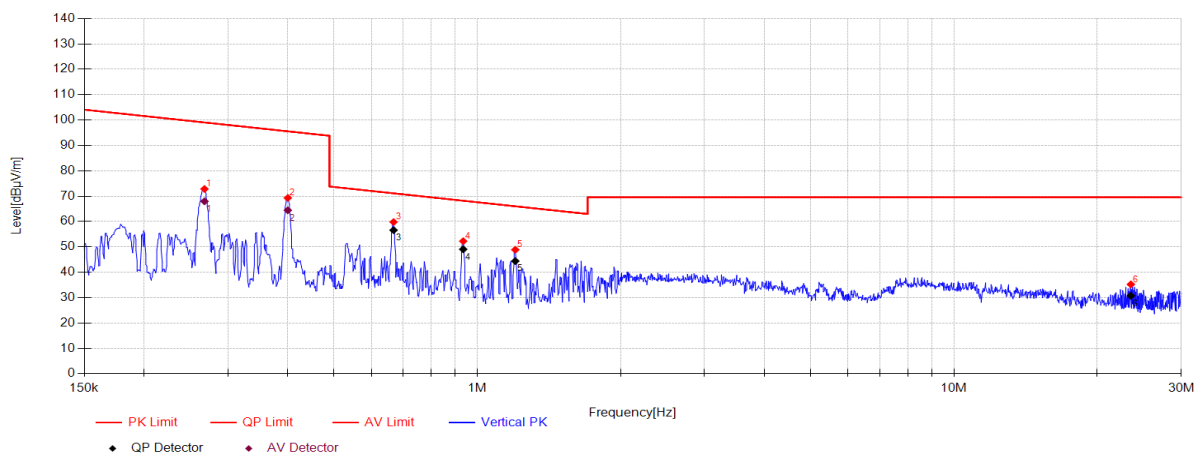
Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	0.009	61.74	20.50	0.07	-29.30	53.01	128.32	75.31	AV	Z
2	0.020	58.21	20.50	0.07	-29.32	49.46	121.58	72.12	AV	Z
3	0.031	52.8	20.40	0.07	-29.34	43.93	117.77	73.84	AV	Z
4	0.059	64.26	20.40	0.07	-29.39	55.34	112.21	56.87	AV	Z
5	0.121	56.56	20.25	0.07	-29.49	47.39	105.97	58.58	AV	Z
6	0.133	93.66	20.18	0.07	-29.51	84.40	105.09	20.69	AV	Z

Note:

1. Level = Reading + Cable Loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: 9kHz-150kHz RBW: 300Hz, VBW: 1 kHz, Sweep time: auto.
150kHz-30MHz RBW: 10kHz, VBW: 30kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-03-11 **Tested By:** Junchang Du
EUT: Wireless charger;Bluetooth speaker **Model Number:** Paddy
Test Mode: OPERATE **Power Supply:** AC 120V/60Hz
Condition: Temp:24.9°C;Humi:66.0% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24010331-8E Paddy\FCC BELOW 1G 9K-30M\20240311-163057_H
Memo: Sample Number: S24010331-035 Power Setting:NA X



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	0.268	82.31	20.17	0.08	-29.74	72.82	99.04	26.22	PK	X
2	0.401	79.02	20.24	0.08	-30.04	69.30	95.55	26.25	PK	X
3	0.668	70.07	20.33	0.08	-30.69	59.79	71.11	11.32	PK	X
4	0.935	63.09	20.39	0.11	-31.34	52.25	68.19	15.94	PK	X
5	1.202	59.85	20.40	0.12	-31.50	48.87	66.01	17.14	PK	X
6	23.514	45.99	19.83	0.50	-31.10	35.22	69.54	34.32	PK	X

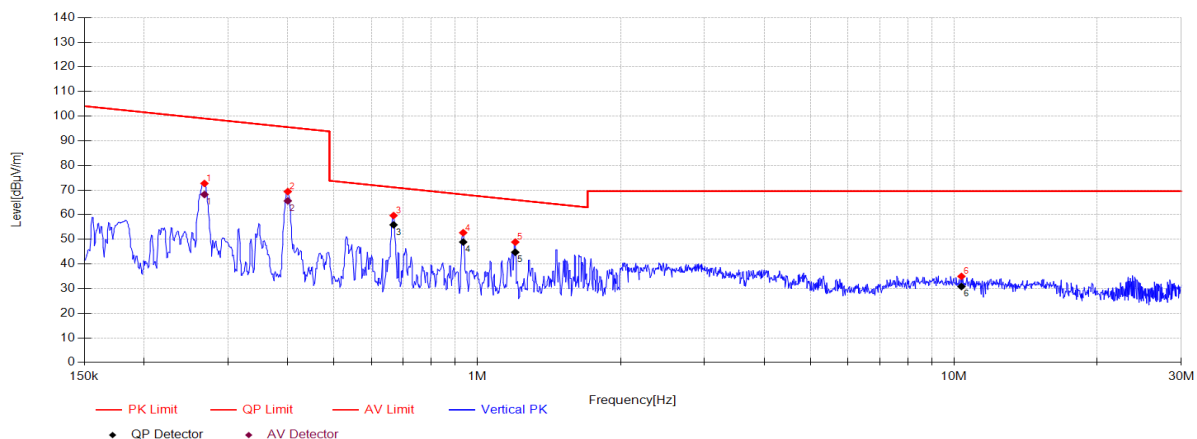
Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	0.268	77.45	20.17	0.08	-29.74	67.96	99.04	31.08	AV	X
2	0.401	74.16	20.24	0.08	-30.04	64.44	95.55	31.11	AV	X
3	0.668	N/A	20.33	0.08	-30.69	N/A	71.11	N/A	AV	X
4	0.935	N/A	20.39	0.11	-31.34	N/A	68.19	N/A	AV	X
5	1.202	N/A	20.40	0.12	-31.50	N/A	66.01	N/A	AV	X
6	23.514	N/A	19.83	0.50	-31.10	N/A	69.54	N/A	AV	X

Note:

- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
- Test setup: 9kHz-150kHz RBW: 300Hz, VBW: 1 kHz, Sweep time: auto.
150kHz-30MHz RBW: 10kHz, VBW: 30kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-03-11 **Tested By:** Junchang Du
EUT: Wireless charger;Bluetooth speaker **Model Number:** Paddy
Test Mode: OPERATE **Power Supply:** AC 120V/60Hz
Condition: Temp:24.9°C;Humi:66.0% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24010331-8E Paddy\FCC BELOW 1G 9K-30M\20240311-163129_H
Memo: Sample Number: S24010331-035 Power Setting:NA Y



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	0.268	82.16	20.17	0.08	-29.74	72.67	99.04	26.37	PK	Y
2	0.401	79.10	20.24	0.08	-30.04	69.38	95.55	26.17	PK	Y
3	0.668	69.93	20.33	0.08	-30.69	59.65	71.11	11.46	PK	Y
4	0.935	63.51	20.39	0.11	-31.34	52.67	68.19	15.52	PK	Y
5	1.202	59.85	20.40	0.12	-31.50	48.87	66.01	17.14	PK	Y
6	10.375	45.60	20.43	0.21	-31.29	34.95	69.54	34.59	PK	Y

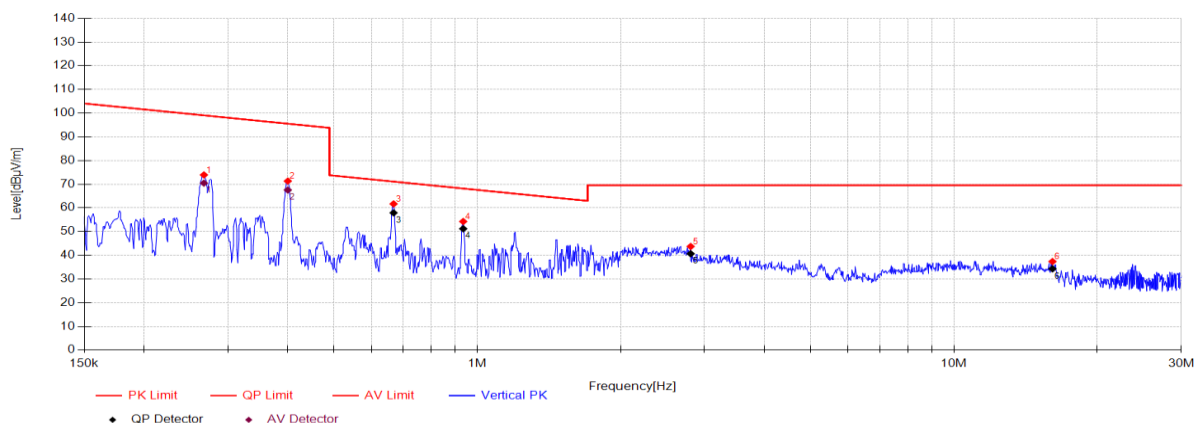
Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	0.268	77.66	20.17	0.08	-29.74	68.17	99.04	30.87	AV	Y
2	0.401	75.32	20.24	0.08	-30.04	65.60	95.55	29.95	AV	Y
3	0.668	N/A	20.33	0.08	-30.69	N/A	71.11	N/A	AV	Y
4	0.935	N/A	20.39	0.11	-31.34	N/A	68.19	N/A	AV	Y
5	1.202	N/A	20.40	0.12	-31.50	N/A	66.01	N/A	AV	Y
6	10.375	N/A	20.43	0.21	-31.29	N/A	69.54	N/A	AV	Y

Note:

- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
- Test setup: 9kHz-150kHz RBW: 300Hz, VBW: 1 kHz, Sweep time: auto.
150kHz-30MHz RBW: 10kHz, VBW: 30kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-03-11 **Tested By:** Junchang Du
EUT: Wireless charger;Bluetooth speaker **Model Number:** Paddy
Test Mode: OPERATE **Power Supply:** AC 120V/60Hz
Condition: Temp:24.9°C;Humi:66.0% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24010331-8E Paddy\FCC BELOW 1G 9K-30M\20240311-163156_H
Memo: Sample Number: S24010331-035 Power Setting:NA Z



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	0.267	83.42	20.17	0.08	-29.74	73.93	99.07	25.14	PK	Z
2	0.401	81.05	20.24	0.08	-30.04	71.33	95.55	24.22	PK	Z
3	0.668	71.98	20.33	0.08	-30.69	61.70	71.11	9.41	PK	Z
4	0.935	65.10	20.39	0.11	-31.34	54.26	68.19	13.93	PK	Z
5	2.805	54.64	20.40	0.14	-31.46	43.72	69.54	25.82	PK	Z
6	16.102	48.06	20.19	0.32	-31.21	37.36	69.54	32.18	PK	Z

Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	0.267	79.95	20.17	0.08	-29.74	70.46	99.07	28.61	AV	Z
2	0.401	77.26	20.24	0.08	-30.04	67.54	95.55	28.01	AV	Z
3	0.668	N/A	20.33	0.08	-30.69	N/A	71.11	N/A	AV	Z
4	0.935	N/A	20.39	0.11	-31.34	N/A	68.19	N/A	AV	Z
5	2.805	N/A	20.40	0.14	-31.46	N/A	69.54	N/A	AV	Z
6	16.102	N/A	20.19	0.32	-31.21	N/A	69.54	N/A	AV	Z

Note:

- Level = Reading + Cable Loss + Antenna Factor + AMP
- If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
- Test setup: 9kHz-150kHz RBW: 300Hz, VBW: 1 kHz, Sweep time: auto.
150kHz-30MHz RBW: 10kHz, VBW: 30kHz, Sweep time: auto.

Above 30 MHz:

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-03-16

Tested By: Junchang Du

EUT: Wireless charger;Bluetooth speaker

Model Number: Paddy

Test Mode: OPERATE

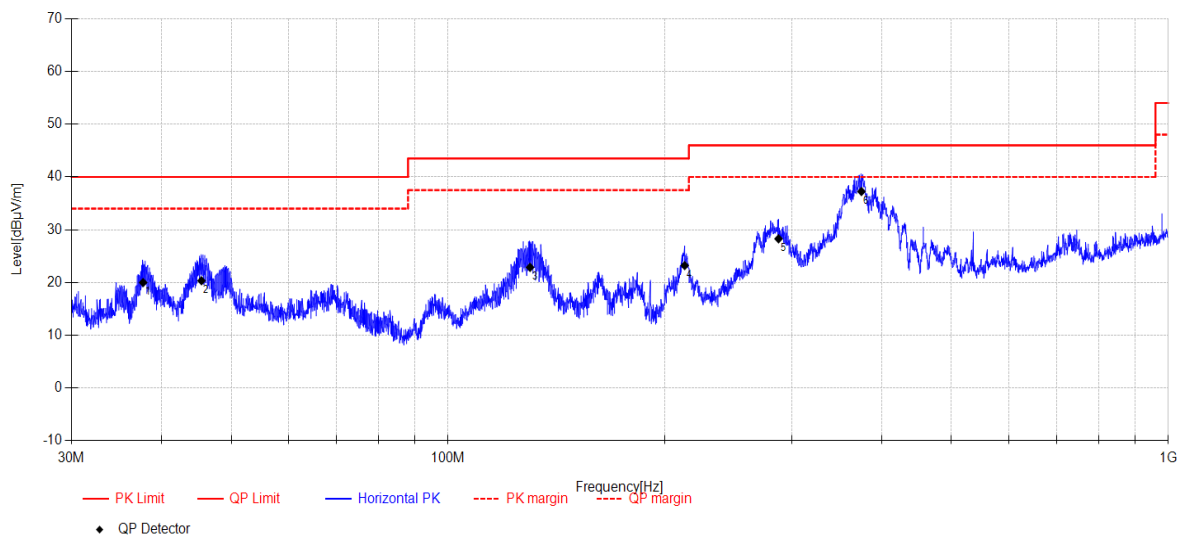
Power Supply: AC 120V/60Hz

Condition: Temp:24.9°C;Humi:66.0%

Test Site: DDT 3# Chamber

File Path: d:\ts\2024 report data\Q24010331-8E Paddy\FCC BELOW 1G\20240316-021017_H

Memo: Sample Number:S24010331-017 Power Setting:NA



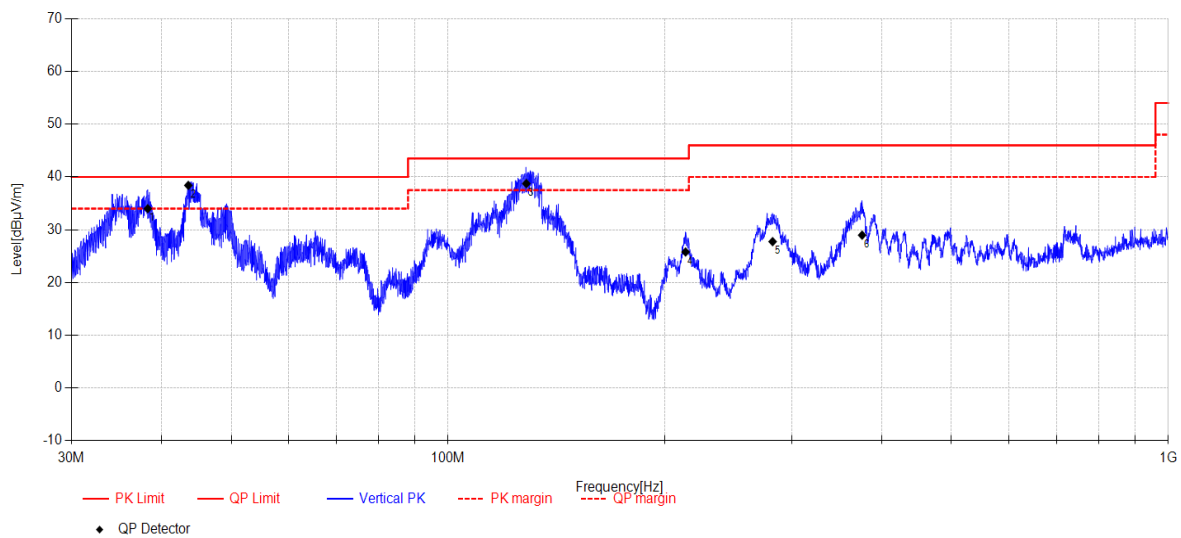
Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	AMP [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	37.73	34.82	11.48	4.57	-30.88	19.99	40.00	20.01	QP	Horizontal
2	45.47	33.65	12.78	4.67	-30.77	20.33	40.00	19.67	QP	Horizontal
3	129.98	39.28	9.18	5.22	-30.81	22.87	43.50	20.63	QP	Horizontal
4	213.08	37.37	10.62	5.78	-30.56	23.21	43.50	20.29	QP	Horizontal
5	287.66	39.79	12.73	6.10	-30.34	28.28	46.00	17.72	QP	Horizontal
6	374.96	45.43	15.40	6.56	-30.15	37.24	46.00	8.76	QP	Horizontal

Note:

1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-03-16
EUT: Wireless charger;Bluetooth speaker
Test Mode: OPERATE
Condition: Temp:24.9°C;Humi:66.0%
File Path: d:\ts\2024 report data\Q24010331-8E Paddy\FCC BELOW 1G\20240316-021109_V
Tested By: Junchang Du
Model Number: Paddy
Power Supply: AC 120V/60Hz
Test Site: DDT 3# Chamber
Memo: Sample Number:S24010331-017 Power Setting:NA



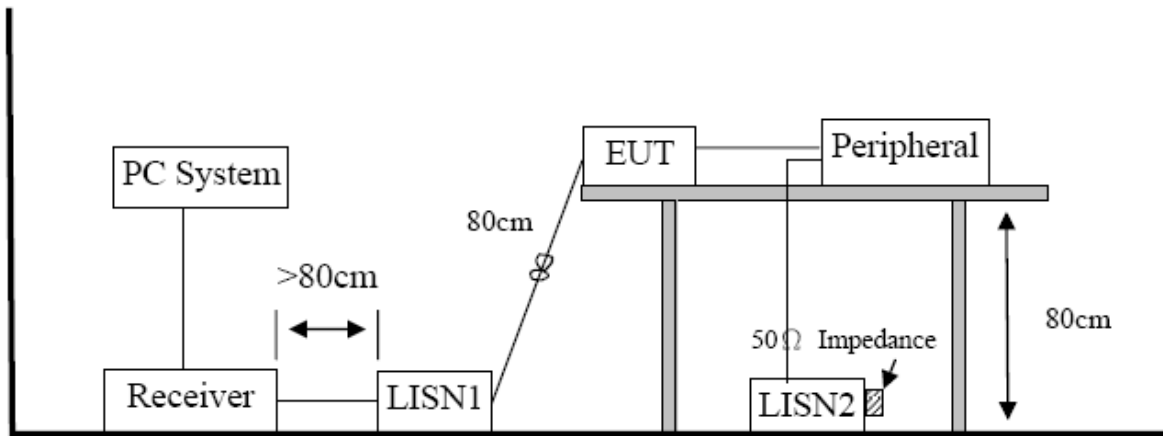
Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	AMP [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	38.29	48.86	11.43	4.58	-30.88	33.99	40.00	6.01	QP	Vertical
2	43.59	51.63	12.92	4.65	-30.80	38.40	40.00	1.60	QP	Vertical
3	128.44	55.68	8.67	5.21	-30.81	38.75	43.50	4.75	QP	Vertical
4	213.68	39.9	10.65	5.79	-30.56	25.78	43.50	17.72	QP	Vertical
5	282.26	39.71	12.31	6.08	-30.35	27.75	46.00	18.25	QP	Vertical
6	375.75	37.14	15.41	6.57	-30.15	28.97	46.00	17.03	QP	Vertical

Note:

1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

6 Power Line Conducted Emission

6.1. Block diagram of test setup



6.2. Power line conducted emission limits

Frequency	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150 kHz ~ 500 kHz	66 ~ 56*	56 ~ 46*
500 kHz ~ 5 MHz	56	46
5 MHz ~ 30 MHz	60	50

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

6.3. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80 cm above the ground plane.

Configuration EUT to simulate typical usage as described in clause 2.4 and test setup as described in clause 6.1 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

6.4. Test result

Pass. (See below detailed test result)

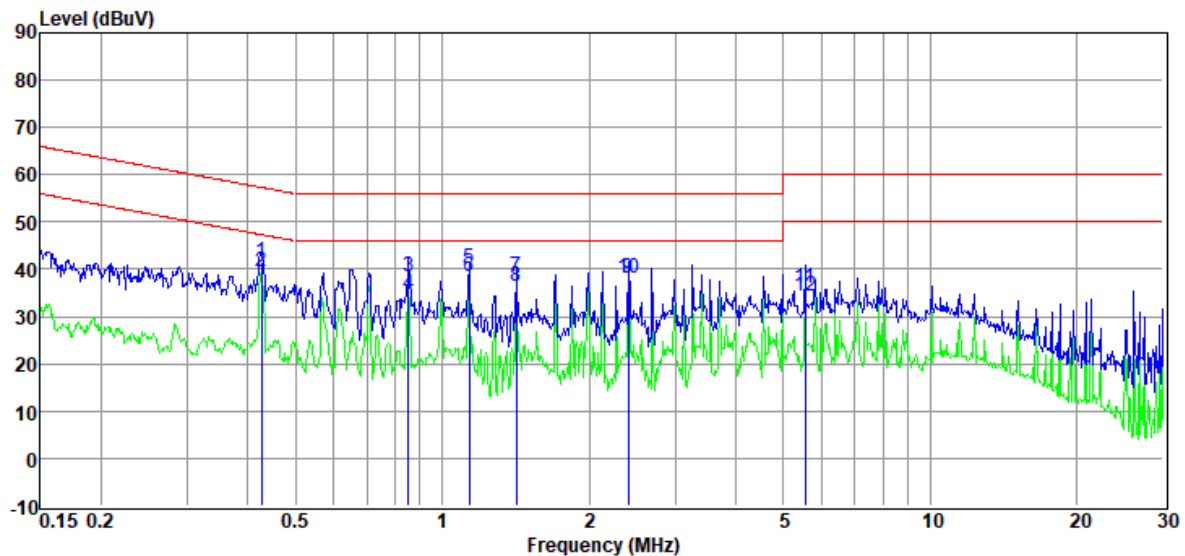
Note1: All emissions not reported below are too low against the prescribed limits.

Note2: "----" means Peak detection; "----" means Average detection.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room **D:\2024 CE report data\Q24010331-8E\FCC CE.EM6**
Test Date : 2024-03-19 **Tested By** : Junchang Du
EUT : Wireless charger **Model Number** : Paddy
Power Supply : AC 120V/60Hz **Test Mode** : 5W lode mode
Condition : TEMP:22.3°C, RH:56.5% **LISN** : 2023 1# ENV216/NEUTRAL
Memo : Sample Number:S24010331-035

Data: 2



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.43	21.13	9.74	0.85	9.71	41.43	57.33	-15.90	QP	NEUTRAL
2	0.43	19.14	9.74	0.85	9.71	39.44	47.33	-7.89	Average	NEUTRAL
3	0.85	18.37	9.81	0.71	9.73	38.62	56.00	-17.38	QP	NEUTRAL
4	0.85	14.39	9.81	0.71	9.73	34.64	46.00	-11.36	Average	NEUTRAL
5	1.14	20.10	9.71	0.66	9.73	40.20	56.00	-15.80	QP	NEUTRAL
6	1.14	18.37	9.71	0.66	9.73	38.47	46.00	-7.53	Average	NEUTRAL
7	1.42	18.49	9.73	0.65	9.74	38.61	56.00	-17.39	QP	NEUTRAL
8	1.42	16.10	9.73	0.65	9.74	36.22	46.00	-9.78	Average	NEUTRAL
9	2.41	18.13	9.74	0.62	9.76	38.25	56.00	-17.75	QP	NEUTRAL
10	2.41	17.91	9.74	0.62	9.76	38.03	46.00	-7.97	Average	NEUTRAL
11	5.54	16.16	9.76	0.50	9.80	36.22	60.00	-23.78	QP	NEUTRAL
12	5.54	14.21	9.76	0.50	9.80	34.27	50.00	-15.73	Average	NEUTRAL

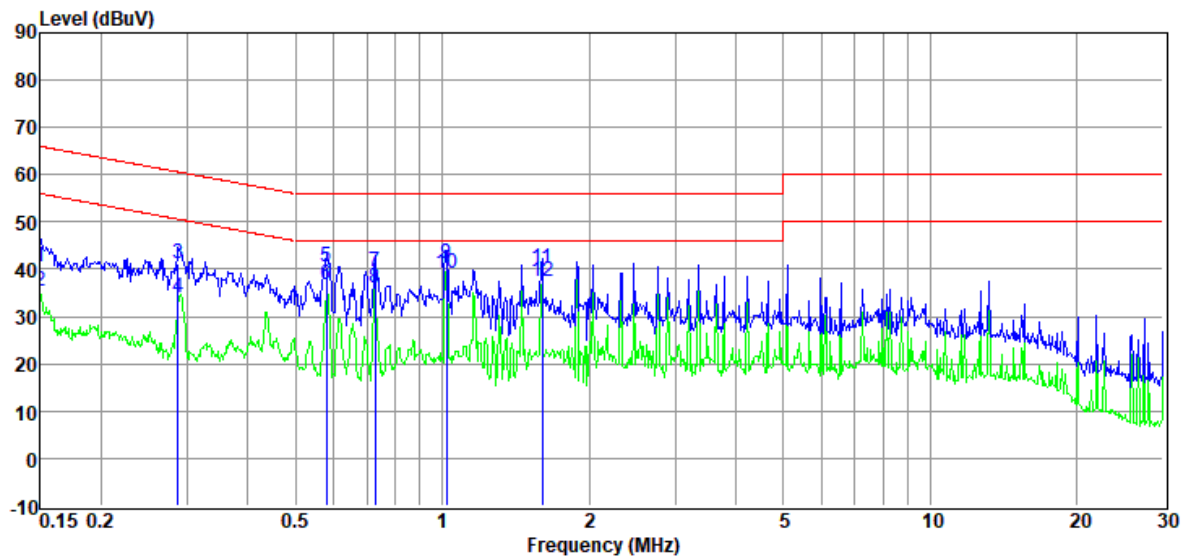
Note:

- Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
- If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
- Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room **D:\2024 CE report data\Q24010331-8E\FCC CE.EM6**
Test Date : 2024-03-19 **Tested By** : Junchang Du
EUT : Wireless charger **Model Number** : Paddy
Power Supply : AC 120V/60Hz **Test Mode** : 5W load mode
Condition : TEMP:22.3°C, RH:56.5% **LISN** : 2023 1# ENV216/LINE
Memo : Sample Number:S24010331-035

Data: 4



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.15	20.03	9.85	0.92	9.68	40.48	66.00	-25.52	QP	LINE
2	0.15	14.82	9.85	0.92	9.68	35.27	56.00	-20.73	Average	LINE
3	0.29	20.82	9.80	0.88	9.70	41.20	60.59	-19.39	QP	LINE
4	0.29	13.57	9.80	0.88	9.70	33.95	50.59	-16.64	Average	LINE
5	0.58	20.16	9.80	0.83	9.72	40.51	56.00	-15.49	QP	LINE
6	0.58	16.55	9.80	0.83	9.72	36.90	46.00	-9.10	Average	LINE
7	0.73	19.09	9.76	0.76	9.72	39.33	56.00	-16.67	QP	LINE
8	0.73	15.71	9.76	0.76	9.72	35.95	46.00	-10.05	Average	LINE
9	1.02	21.02	9.64	0.67	9.73	41.06	56.00	-14.94	QP	LINE
10	1.02	19.08	9.64	0.67	9.73	39.12	46.00	-6.88	Average	LINE
11	1.60	20.01	9.67	0.65	9.75	40.08	56.00	-15.92	QP	LINE
12	1.60	17.44	9.67	0.65	9.75	37.51	46.00	-8.49	Average	LINE

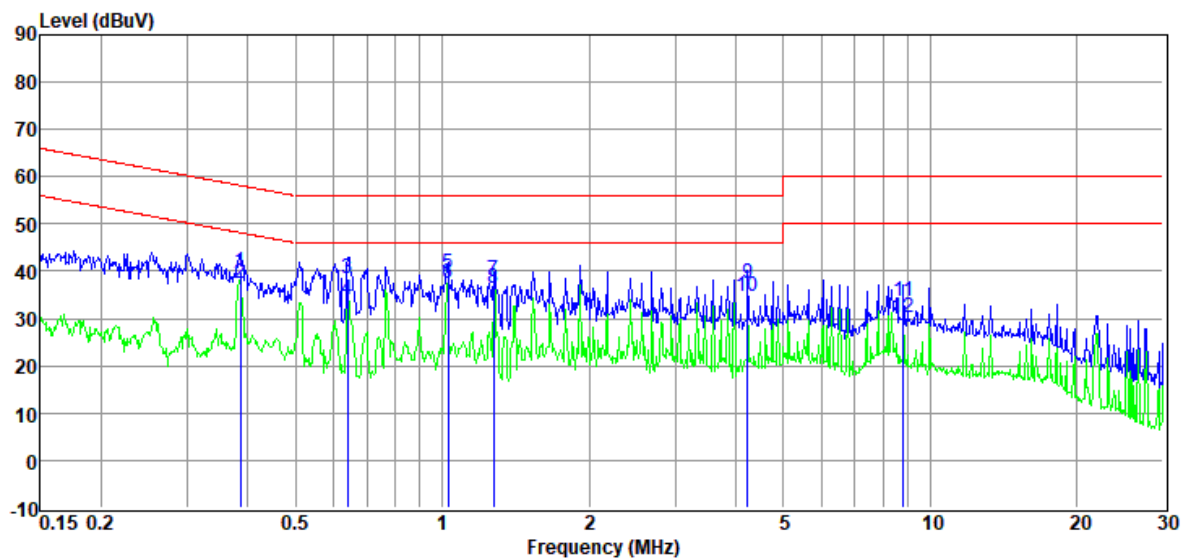
Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room **D:\2024 CE report data\Q24010331-8E\FCC CE.EM6**
Test Date : 2024-03-19 **Tested By** : Junchang Du
EUT : Wireless charger **Model Number** : Paddy
Power Supply : AC 120V/60Hz **Test Mode** : 7.5W load mode
Condition : TEMP:22.3°C, RH:56.5% **LISN** : 2023 1# ENV216/LINE
Memo : Sample Number:S24010331-035

Data: 6



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.39	19.64	9.75	0.85	9.71	39.95	58.17	-18.22	QP	LINE
2	0.39	16.97	9.75	0.85	9.71	37.28	48.17	-10.89	Average	LINE
3	0.64	18.31	9.77	0.80	9.72	38.60	56.00	-17.40	QP	LINE
4	0.64	13.73	9.77	0.80	9.72	34.02	46.00	-11.98	Average	LINE
5	1.03	19.44	9.64	0.67	9.73	39.48	56.00	-16.52	QP	LINE
6	1.03	17.49	9.64	0.67	9.73	37.53	46.00	-8.47	Average	LINE
7	1.28	18.12	9.68	0.66	9.74	38.20	56.00	-17.80	QP	LINE
8	1.28	16.32	9.68	0.66	9.74	36.40	46.00	-9.60	Average	LINE
9	4.22	17.34	9.67	0.55	9.79	37.35	56.00	-18.65	QP	LINE
10	4.22	14.52	9.67	0.55	9.79	34.53	46.00	-11.47	Average	LINE
11	8.82	13.77	9.77	0.28	9.82	33.64	60.00	-26.36	QP	LINE
12	8.82	10.20	9.77	0.28	9.82	30.07	50.00	-19.93	Average	LINE

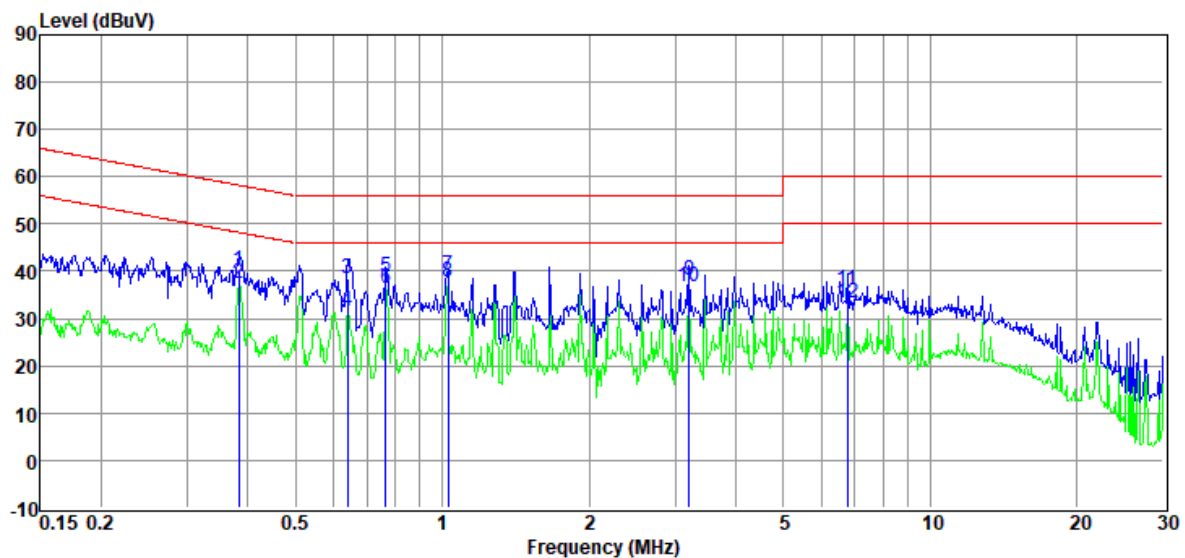
Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room **D:\2024 CE report data\Q24010331-8E\FCC CE.EM6**
Test Date : 2024-03-19 **Tested By** : Junchang Du
EUT : Wireless charger **Model Number** : Paddy
Power Supply : AC 120V/60Hz **Test Mode** : 7.5W load mode
Condition : TEMP:22.3°C, RH:56.5% **LISN** : 2023 1# ENV216/NEUTRAL
Memo : Sample Number:S24010331-035

Data: 8



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.38	19.77	9.71	0.85	9.71	40.04	58.21	-18.17	QP	NEUTRAL
2	0.38	17.04	9.71	0.85	9.71	37.31	48.21	-10.90	Average	NEUTRAL
3	0.64	17.96	9.83	0.80	9.72	38.31	56.00	-17.69	QP	NEUTRAL
4	0.64	11.10	9.83	0.80	9.72	31.45	46.00	-14.55	Average	NEUTRAL
5	0.77	18.38	9.82	0.75	9.72	38.67	56.00	-17.33	QP	NEUTRAL
6	0.77	16.06	9.82	0.75	9.72	36.35	46.00	-9.65	Average	NEUTRAL
7	1.03	19.06	9.76	0.67	9.73	39.22	56.00	-16.78	QP	NEUTRAL
8	1.03	17.60	9.76	0.67	9.73	37.76	46.00	-8.24	Average	NEUTRAL
9	3.21	18.12	9.72	0.58	9.78	38.20	56.00	-17.80	QP	NEUTRAL
10	3.21	16.56	9.72	0.58	9.78	36.64	46.00	-9.36	Average	NEUTRAL
11	6.77	15.82	9.81	0.46	9.80	35.89	60.00	-24.11	QP	NEUTRAL
12	6.77	13.17	9.81	0.46	9.80	33.24	50.00	-16.76	Average	NEUTRAL

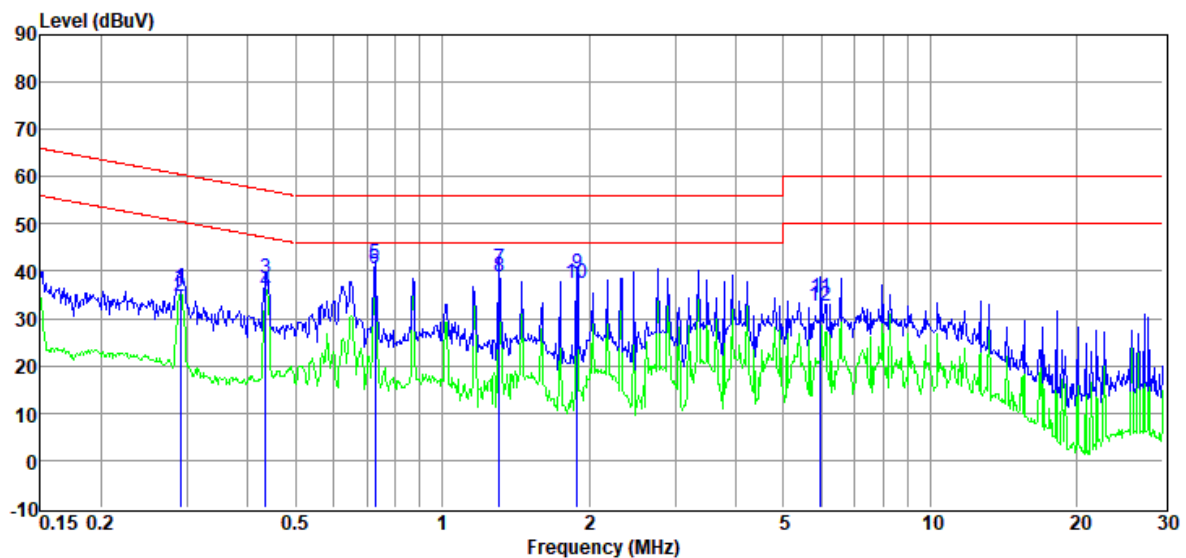
Note:

- Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
- If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
- Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room **D:\2024 CE report data\Q24010331-8E\FCC CE.EM6**
Test Date : 2024-03-19 **Tested By** : Junchang Du
EUT : Wireless charge **Model Number** : Paddy
Power Supply : AC 120V/60Hz **Test Mode** : 10W load mode
Condition : TEMP:22.3°C, RH:56.5% **LISN** : 2023 1# ENV216/NEUTRAL
Memo : Sample Number:S24010331-035

Data: 10



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.29	16.11	9.72	0.88	9.70	36.41	60.50	-24.09	QP	NEUTRAL
2	0.29	14.37	9.72	0.88	9.70	34.67	50.50	-15.83	Average	NEUTRAL
3	0.44	18.19	9.75	0.85	9.71	38.50	57.15	-18.65	QP	NEUTRAL
4	0.44	15.47	9.75	0.85	9.71	35.78	47.15	-11.37	Average	NEUTRAL
5	0.73	21.07	9.84	0.76	9.72	41.39	56.00	-14.61	QP	NEUTRAL
6	0.73	20.09	9.84	0.76	9.72	40.41	46.00	-5.59	Average	NEUTRAL
7	1.31	20.52	9.71	0.66	9.74	40.63	56.00	-15.37	QP	NEUTRAL
8	1.31	18.53	9.71	0.66	9.74	38.64	46.00	-7.36	Average	NEUTRAL
9	1.89	19.13	9.80	0.64	9.75	39.32	56.00	-16.68	QP	NEUTRAL
10	1.89	17.12	9.80	0.64	9.75	37.31	46.00	-8.69	Average	NEUTRAL
11	5.96	14.35	9.78	0.48	9.80	34.41	60.00	-25.59	QP	NEUTRAL
12	5.96	12.70	9.78	0.48	9.80	32.76	50.00	-17.24	Average	NEUTRAL

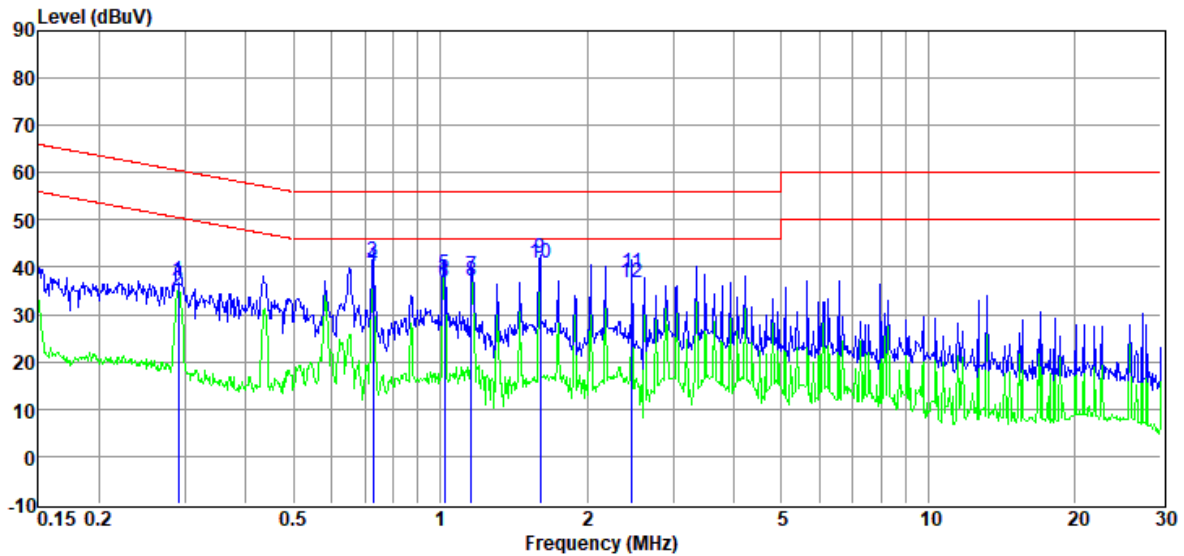
Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room **D:\2024 CE report data\Q24010331-8E\FCC CE.EM6**
Test Date : 2024-03-19 **Tested By** : Junchang Du
EUT : Wireless charger **Model Number** : Paddy
Power Supply : AC 120V/60Hz **Test Mode** : 10W load mode
Condition : TEMP:22.3°C, RH:56.5% **LISN** : 2023 1# ENV216/LINE
Memo : Sample Number:S24010331-035

Data: 12



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.29	16.65	9.80	0.88	9.70	37.03	60.50	-23.47	QP	LINE
2	0.29	14.79	9.80	0.88	9.70	35.17	50.50	-15.33	Average	LINE
3	0.73	20.93	9.76	0.76	9.72	41.17	56.00	-14.83	QP	LINE
4	0.73	19.86	9.76	0.76	9.72	40.10	46.00	-5.90	Average	LINE
5	1.02	18.33	9.64	0.67	9.73	38.37	56.00	-17.63	QP	LINE
6	1.02	16.56	9.64	0.67	9.73	36.60	46.00	-9.40	Average	LINE
7	1.16	18.03	9.69	0.66	9.74	38.12	56.00	-17.88	QP	LINE
8	1.16	16.91	9.69	0.66	9.74	37.00	46.00	-9.00	Average	LINE
9	1.60	21.78	9.67	0.65	9.75	41.85	56.00	-14.15	QP	LINE
10	1.60	20.83	9.67	0.65	9.75	40.90	46.00	-5.10	Average	LINE
11	2.47	18.65	9.75	0.61	9.77	38.78	56.00	-17.22	QP	LINE
12	2.47	16.61	9.75	0.61	9.77	36.74	46.00	-9.26	Average	LINE

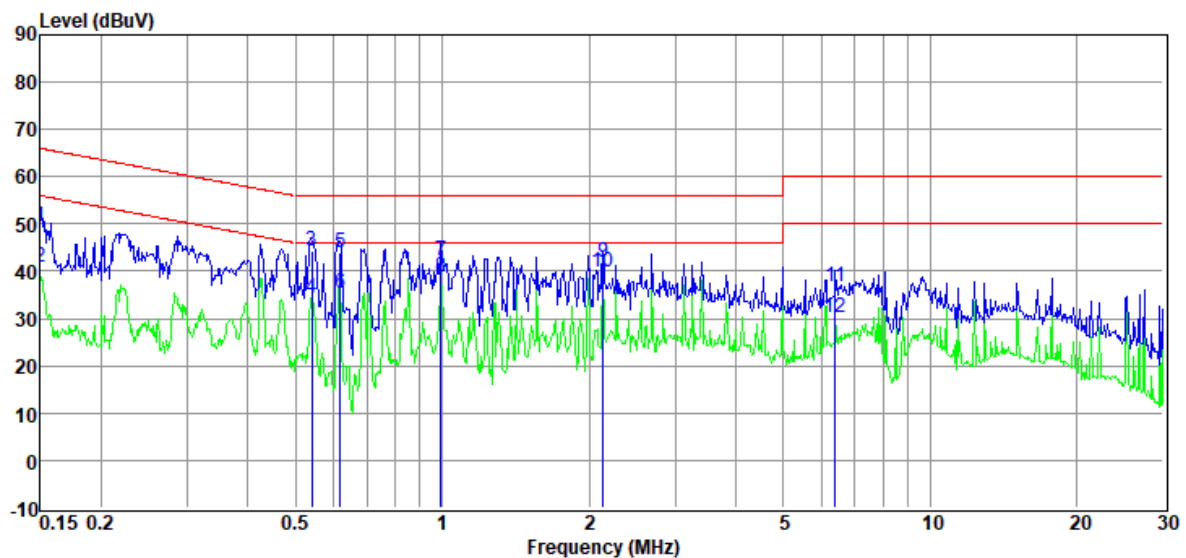
Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room **D:\2024 CE report data\Q24010331-8E\FCC CE.EM6**
Test Date : 2024-03-19 **Tested By** : Junchang Du
EUT : Wireless charger **Model Number** : Paddy
Power Supply : AC 120V/60Hz **Test Mode** : 15W load mode
Condition : TEMP:22.3°C, RH:56.5% **LISN** : 2023 1# ENV216/LINE
Memo : Sample Number:S24010331-035

Data: 14



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.15	28.97	9.85	0.92	9.68	49.42	66.00	-16.58	QP	LINE
2	0.15	20.33	9.85	0.92	9.68	40.78	56.00	-15.22	Average	LINE
3	0.54	24.07	9.81	0.84	9.71	44.43	56.00	-11.57	QP	LINE
4	0.54	14.10	9.81	0.84	9.71	34.46	46.00	-11.54	Average	LINE
5	0.62	23.67	9.78	0.81	9.72	43.98	56.00	-12.02	QP	LINE
6	0.62	15.06	9.78	0.81	9.72	35.37	46.00	-10.63	Average	LINE
7	0.99	22.14	9.63	0.67	9.73	42.17	56.00	-13.83	QP	LINE
8	0.99	18.70	9.63	0.67	9.73	38.73	46.00	-7.27	Average	LINE
9	2.13	21.82	9.82	0.63	9.76	42.03	56.00	-13.97	QP	LINE
10	2.13	19.51	9.82	0.63	9.76	39.72	46.00	-6.28	Average	LINE
11	6.39	16.71	9.69	0.47	9.80	36.67	60.00	-23.33	QP	LINE
12	6.39	10.34	9.69	0.47	9.80	30.30	50.00	-19.70	Average	LINE

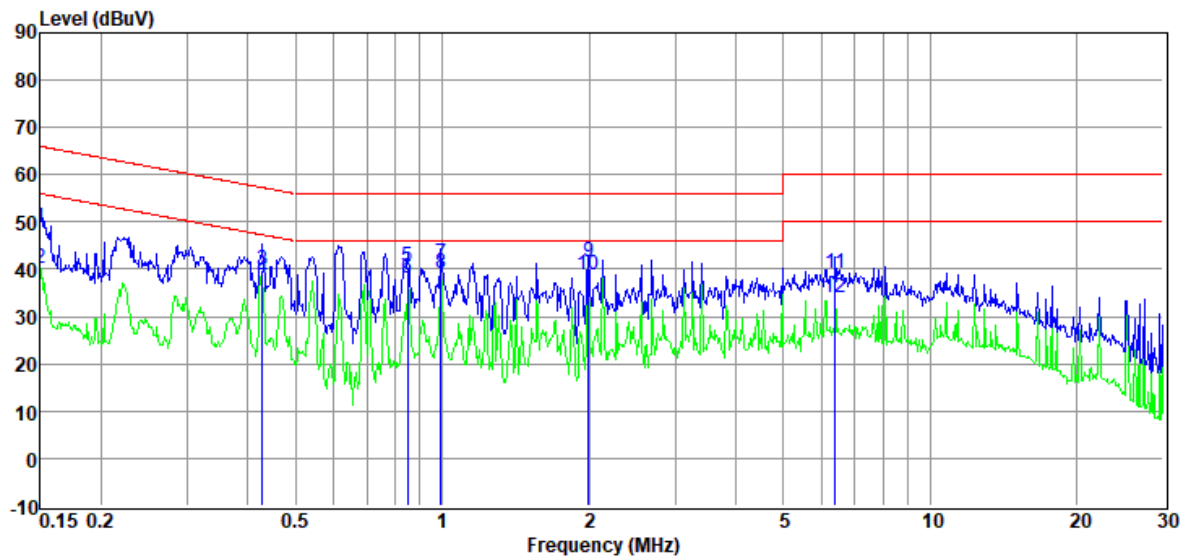
Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room **D:\2024 CE report data\Q24010331-8E\FCC CE.EM6**
Test Date : 2024-03-19 **Tested By** : Junchang Du
EUT : Wireless charger **Model Number** : Paddy
Power Supply : AC 120V/60Hz **Test Mode** : 15W load mode
Condition : TEMP:22.3°C, RH:56.5% **LISN** : 2023 1# ENV216/NEUTRAL
Memo : Sample Number:S24010331-035

Data: 16



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.15	28.22	9.83	0.92	9.68	48.65	66.00	-17.35	QP	NEUTRAL
2	0.15	19.66	9.83	0.92	9.68	40.09	56.00	-15.91	Average	NEUTRAL
3	0.43	19.55	9.74	0.85	9.71	39.85	57.29	-17.44	QP	NEUTRAL
4	0.43	17.72	9.74	0.85	9.71	38.02	47.29	-9.27	Average	NEUTRAL
5	0.85	20.12	9.80	0.72	9.73	40.37	56.00	-15.63	QP	NEUTRAL
6	0.85	17.74	9.80	0.72	9.73	37.99	46.00	-8.01	Average	NEUTRAL
7	0.99	20.91	9.77	0.67	9.73	41.08	56.00	-14.92	QP	NEUTRAL
8	0.99	18.98	9.77	0.67	9.73	39.15	46.00	-6.85	Average	NEUTRAL
9	1.99	21.19	9.82	0.64	9.76	41.41	56.00	-14.59	QP	NEUTRAL
10	1.99	18.70	9.82	0.64	9.76	38.92	46.00	-7.08	Average	NEUTRAL
11	6.39	19.00	9.80	0.47	9.80	39.07	60.00	-20.93	QP	NEUTRAL
12	6.39	13.93	9.80	0.47	9.80	34.00	50.00	-16.00	Average	NEUTRAL

Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

7 Antenna Requirements

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. 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 electrical connector is prohibited.

Conclusion: The antenna used for this product is inductive loop coil antenna and that no antenna other than that furnished by the responsible party shall be used with the device.

9 Photos of the EUT

Please refer to DDT-Q24010331-9E appendix I.

END OF REPORT