RF Exposure Report

Applicant	:	Kaijet Technology International Corporation
Address	:	8F., No. 109, Zhongcheng Road, Tucheng Dist., New Taipei City, Taiwan R.O.C
Equipment	:	Qi2 3-in-1 Magnetic Travel Wireless Charging Station
Model No.	:	JUPW3215, JUPW3215YPZ (All model provide with main wireless charging stand product; Y can be blank, A to Z represent different appearance colour; P can be blank, with or without for marketing purpose only; Z can be blank, A to Z, a to z, 0-9 represent non-power related accessory(s) included in box)
Trade Name	:	j5create
FCC ID.	:	2AD37JUPW3215
Standard	:	FCC CFR 47 part1, 1.1310 KDB680106 D01v04

I HEREBY CERTIFY THAT :

The sample was received on Apr. 19, 2024 and the test items were conducted during Jun. 05, 2024 at Cerpass Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of Cerpass Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Leevin Li / Supervisor

CONTENTS

1. Test Configuration of Equipment under Test

1.1. Feature of Equipment under Test

Product	Qi2 3-in-1 Magnetic Travel Wireless Charging Station	
Model No.	JUPW3215, JUPW3215YPZ (All model provide with main wireless charging stand product; Y can be blank, A to Z represent different appearance colour; P can be blank, with or without for marketting purpose only; Z can be blank, A to Z, a to z, 0-9 represent non-power related accessory(s) included in box)	
Model Discrepancy	See explanation of model designation JUPW3215YNPZ. Model JUPW3215 is the representative for final test.	
Frequency Range	Output Wireless 1	Magnetic wireless charging:360KHz
	Output Wireless 2	Wireless charging for watch:325KHz
	Output Wireless 3	Wireless charging for earphone:111~205KHz
Antenna Type	Coil Antenna	
Modulation Type	Output Wireless 1: FSK Output Wireless 2: ASK Output Wireless 3: ASK	
Input	5.0V⎓3.0A,9.0V⎓3.0A (27.0W Max)	
Magnetic wireless charging	5.0W,7.5W,10.0W,15.0W(Max)	
Wireless charging for earphone	5.0W(Max)	
Wireless charging for watch	2.5W(Max)	
Total output	15.0W+5.0W+2.5W(22.5W Max)	
Operating Temperature	0℃~+40℃	

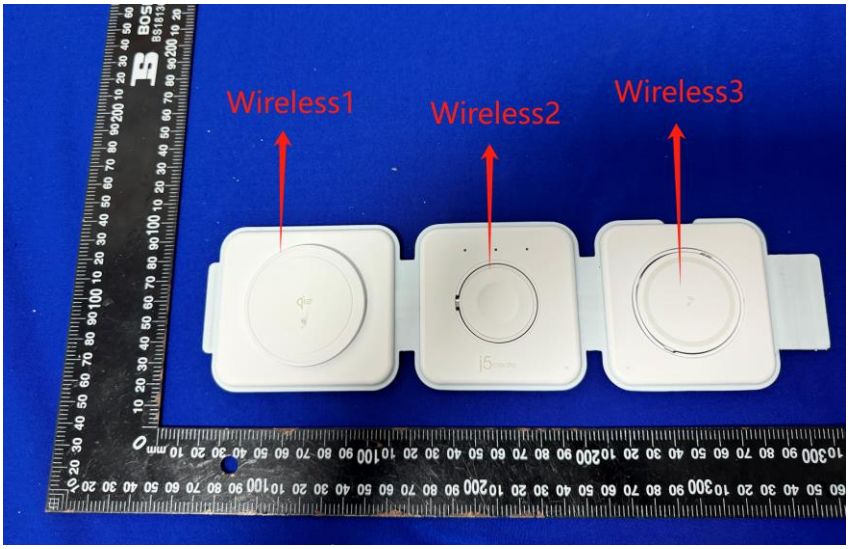
Note: For more details, please refer to the User's manual of the EUT.

1.2. Test Mode and Test Software

Test Mode	Operating Description
Mode 1	Wireless Charging for Wireless 1(Standby mode) +Wireless 2(Standby mode)+ Wireless 3(Standby mode)
Mode 2	Wireless Charging for Wireless 1(15W for Wireless Load, Operating @360KHz) +Wireless 2(5W for Apple watch 6, Operating @325KHz) +Wireless 3(5W for Wireless Load, Operating @111~205KHz)

Note: 1) For mode 2.The Watch were respectively evaluation Low, medium and high charge status evaluation.

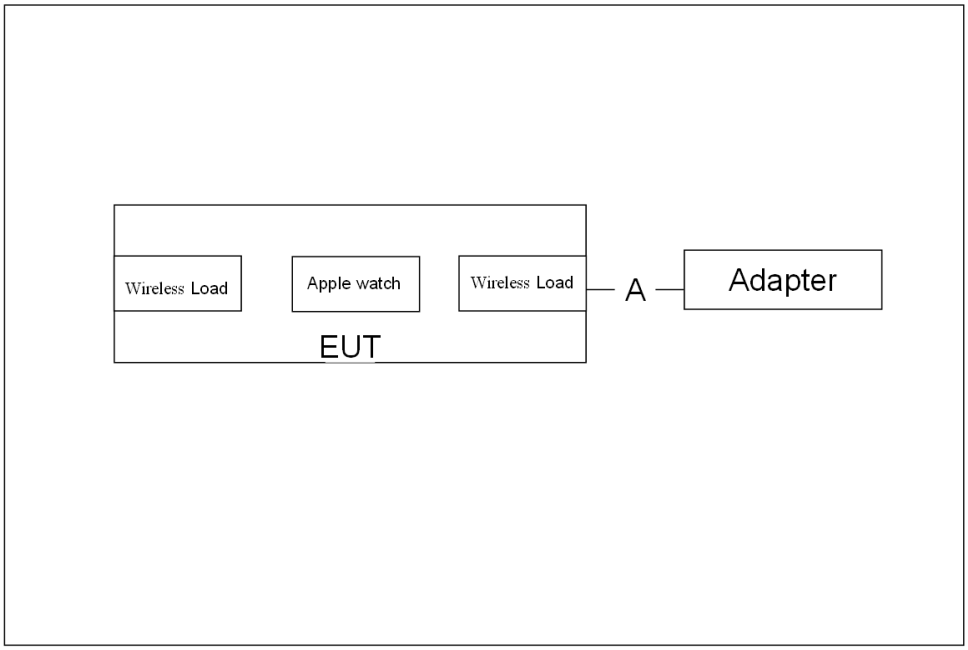
2) The EUT Have three coils, the specific location is shown below:


Wireless1
Wireless2
Wireless3

1.3. Description of Test System

Product		Manufacturer	Model No.	S/N	Power Cord
1	Adapter	XIAOMI	HA832	N/A	N/A
2	Wireless Load 1	YBZ	N/A	N/A	N/A
3	Wireless Load 2	YBZ	N/A	N/A	N/A
4	Apple watch	Apple	Apple watch 6	GY6F512JQ1RN	N/A

Connection Diagram



Signal Cable Type		Quantity	Signal cable Description
A	Type-C Cable	1	1m Shielding

1.4. General Information of Test

Test Site	**Cerpass Technology Corporation(Cerpass Laboratory)** Address: Room 102, No. 5, Xing'an Road, Chang'an Town, Dongguan City, Guangdong Province Tel: +86-769-8547-1212 Fax: +86-769-8547-1912
FCC Designation No.:	CN1288

Test Item	Test Site	Test period	Environmental Conditions	Tested By
RF Exposure	3M01-DG	2024/05/30	24°C / 52%	Amos Zhang

1.5. Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2).

Measurement Item	Uncertainty
Magnetic Field measurements	±1.60
Electric Field measurements	±1.60

2. Summary Of Standards And Results

2.1. Measuring Standard

The EUT have been tested according to the applicable standards as referenced below:

Test Item	Normative References	Remarks
RF Exposure	FCC CFR 47 part1, 1.1310 KDB680106 D01v04	PASS

2.2. Requirements

According to the item 5 of KDB 680106 D01v04:

Requirements of KDB 680106 D01 v03r01 section 5b	Yes/No	Description
Power transfer frequency is less than 1 MHz	Yes	The maximum operating frequency is 360KHz
Output power from each primary coil is less than or equal to 15 watts	Yes	The maximum output power for each primary coil is 15W≤15W
A client device providing the maximum permitted load is placed in physical contact with the transmitter	Yes	A client device providing the maximum permitted load is placed in physical contact with the transmitter
Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion)	Yes	Mobile exposure conditions only
The E-field and H-field strengths, at and beyond 20 cm surrounding the device surface, are demonstrated to be less than 50% of the applicable MPE limit	Yes	The E-field and H-field strengths, at and beyond 20 cm surrounding the device surface, are demonstrated to be less than 50% of the applicable MPE limit
The system may consist of more than one source primary coils, charging one or more clients. If more than one primary coil is present, the coil pairs may be powered on at the same time.	Yes	The transfer system includes three separated individual coils and allows for capable wireless power transfer at the same time.

2.3. Duty cycle

Limits

None; for reporting purposes only.

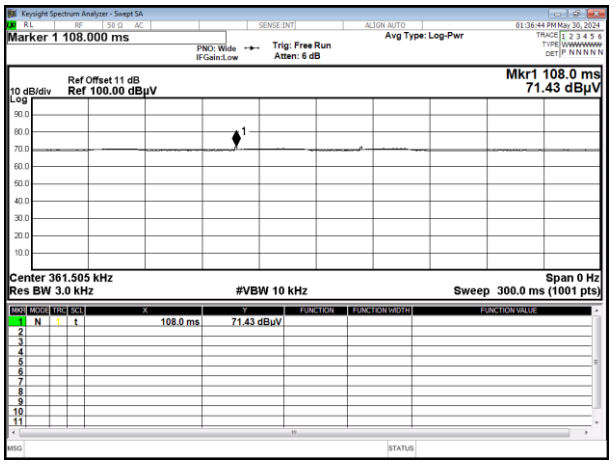
Procedure

Duty cycle zero-span mode Method

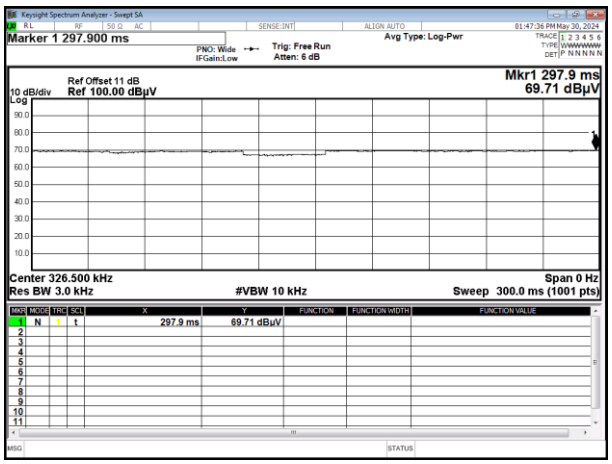
Result

Mode	On Time (msec)	Period Time (msec)	Duty Cycle (%)
Wireless 1(15W for Wireless Load, Operating @360KHz)	100	100	100.00%
Wireless 2(5W for Apple watch 3, Operating @325KHz)	100	100	100.00%
Wireless 3(5W for Wireless Load, Operating @111~205KHz)	100	100	100.00%
Wireless2, Standby	18	198.5	9.07%

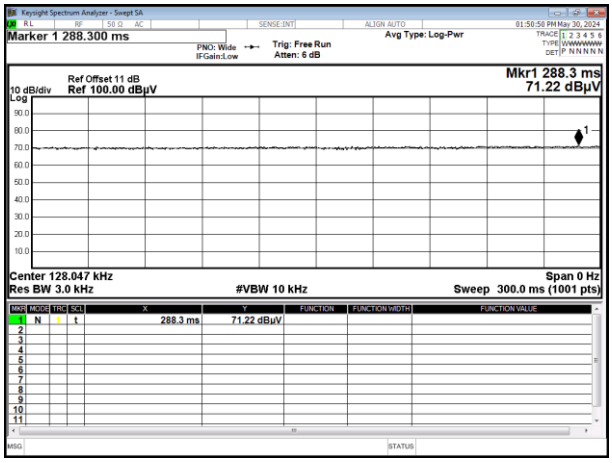
Wireless 1
15W for Wireless Load,Operating @360KHz



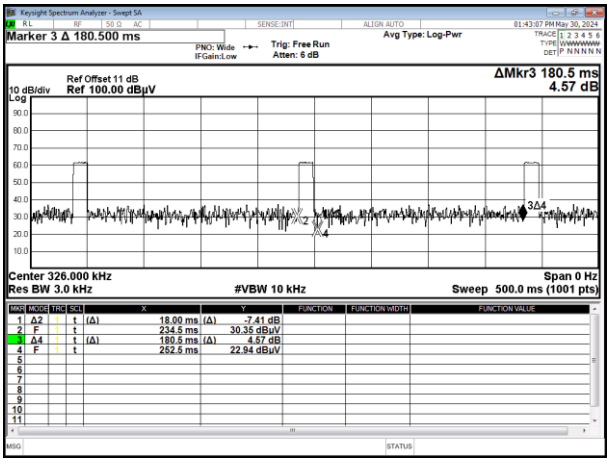
Wireless 2
5W for Apple watch 3, Operating @325KHz



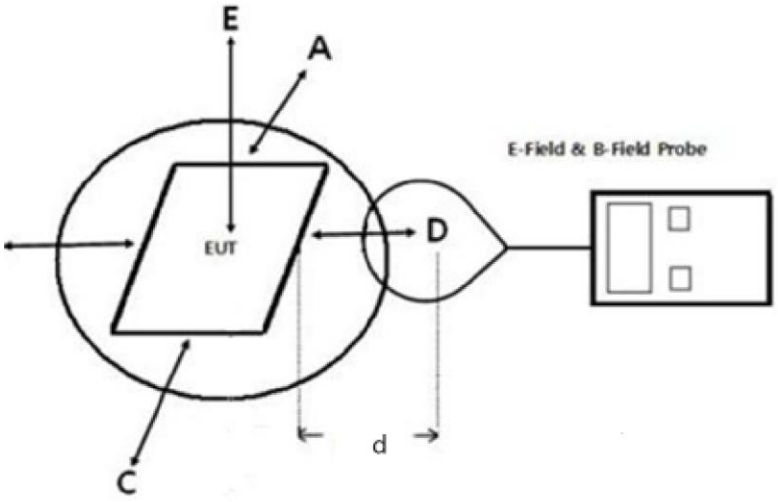
Wireless 3
5W for Wireless Load, Operating @111~205KHz



Wireless2， Standby



2.4. Typical test Setup



Note: Position A: Front of EUT; Position B: Left of EUT; Position C: back of EUT; Position D: Right of EUT; Position E: Top of EUT(20 cm measure distance);

2.5. Specification Limits

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b) Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric field strength (V/m)	Magnetic field Strength (A/m)	Power density (mW/cm2)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*100	6
3.0-30	1842/f	4.89/f	*900/f2	6
30-300	61.4	0.163	1.0	6
300-1,500			f/300	6
1,500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*100	30
1.34-30	824/f	2.19/f	*180/f2	30
30-300	27.5	0.073	0.2	30
300-1,500			f/1500	30
1,500-100,000			1.0	30

Note 1: f = frequency in MHz ; *Plane-wave equivalent power density
Note 2: For the applicable limit, see FCC 1.1310

2.6. Test Equipment List and Details

Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Electric and Magnetic field analyzer	L3HARRIS	EHP-200AC	180ZX00632	2023/08/03	2024/08/02
MXA Signal Analyzer	KEYSIGHT	N9020A	US46220290	2024/01/03	2024/01/02

2.7. Test Result

Mode 1: Wireless Charging for Wireless 1(Standby mode) +Wireless 2(Standby mode)+ Wireless 3 (Standby mode)

a) Electric Field Strength Measurement

Measured Side	Distance (cm)	Measured Value (V/m)			50% of Limit (V/m)	Limit (V/m)
		Peak	Duty Cycle %	AVG		
A	20	0.18	9.07	0.06	307	614.00
B	20	0.19	9.07	0.06	307	614.00
C	20	0.18	9.07	0.05	307	614.00
D	20	0.19	9.07	0.06	307	614.00
E	20	0.21	9.07	0.06	307	614.00
F	20	0.21	9.06	0.06	307	614.00

b) Magnetic Field Strength Measurement

Measured Side	Distance (cm)	Measured Value (A/m)			50% of Limit (A/m)	Limit (A/m)
		Peak	Duty Cycle %	AVG		
A	20	0.01	9.07	0.003	0.815	1.63
B	20	0.01	9.07	0.004	0.815	1.63
C	20	0.01	9.07	0.003	0.815	1.63
D	20	0.01	9.07	0.004	0.815	1.63
E	20	0.01	9.07	0.004	0.815	1.63
F	20	0.02	9.07	0.005	0.815	1.63

Note: 1：Peak measurements were performed. RMS values were calculated from the peak measurement. Please refer to the formula for calculating the RMS values: [Filed Strength*√Duty cycle]

2：These measurements shall be taken along the principal axes of the device, with one axis oriented along the direction of the estimated maximum field strength, and for three points per axis. Test results for the worst position (20cm) are reported.

Mode 2: Wireless Charging for Wireless 1(15W for Wireless Load, Operating @360KHz) +Wireless 2(5W for Wireless Load, Operating @111~205KHz) +Wireless 3(5W for Apple watch 3, Operating @325KHz)

Wireless 1(15W for Wireless Load, Operating @360KHz)

a) Electric Field Strength Measurement

Measured Side	Distance (cm)	Measured Value (V/m)			50% of Limit (V/m)	Limit (V/m)
		Peak	Duty Cycle %	AVG		
A	20	1.84	100	1.84	307	614
B	20	1.94	100	1.94	307	614
C	20	1.59	100	1.59	307	614
D	20	1.72	100	1.72	307	614
E	20	2.07	100	2.07	307	614
F	20	1.84	100	1.84	307	614

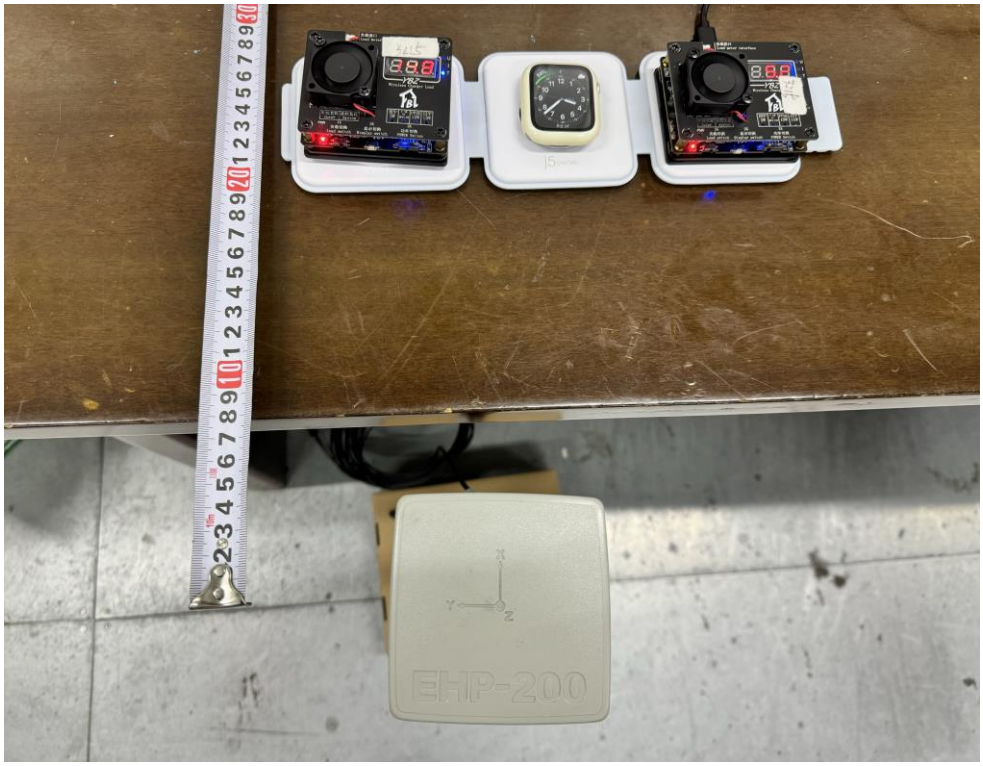
b) Magnetic Field Strength Measurement

Measured Side	Distance (cm)	Measured Value (A/m)			50% of Limit (A/m)	Limit (A/m)
		Peak	Duty Cycle %	AVG		
A	20	0.06	100	0.06	0.815	1.63
B	20	0.05	100	0.05	0.815	1.63
C	20	0.05	100	0.05	0.815	1.63
D	20	0.05	100	0.05	0.815	1.63
E	20	0.06	100	0.06	0.815	1.63
F	20	0.06	100	0.06	0.815	1.63

Note: 1：Peak measurements were performed. RMS values were calculated from the peak measurement. Please refer to the formula for calculating the RMS values: [Filed Strength*√Duty cycle]

2：These measurements shall be taken along the principal axes of the device, with one axis oriented along the direction of the estimated maximum field strength, and for three points per axis. Test results for the worst position (20cm) are reported.

2.8. Photographs of test setup



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