RF Exposure Report

Applicant	:	Kaijet Technology International Corporation
Address	:	8F., No. 109, Zhongcheng Road, Tucheng Dist., New Taipei City, Taiwan R.O.C
Equipment	:	Wood Grain 2-in-1 Magnetic Wireless Charging Stand
Model No.	:	JUPW2106，JUPW2106NP
Trade Name	:	j5create®
FCC ID.	:	2AD37JUPW2106
Standard	:	FCC CFR 47 part1, 1.1310 KDB680106 D01v03

I HEREBY CERTIFY THAT :

The sample was received on Apr. 12，2022 and the test items were conducted during Jun. 20, 2022 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

Leevin Li / Supervisor

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1. Test Configuration of Equipment under Test

1.1. Feature of Equipment under Test

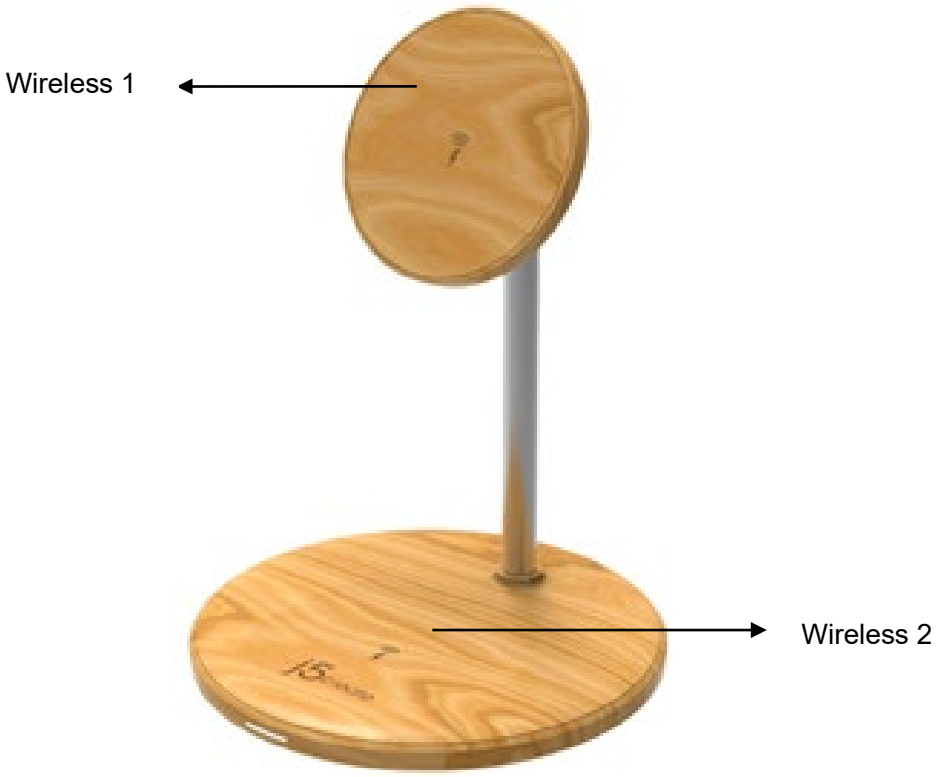
Product	Wood Grain 2-in-1 Magnetic Wireless Charging Stand
Test Model	JUPW2106，JUPW2106NP
Model Discrepancy	All models are identical except for the name. The tested model: JUPW2106
Frequency Range	110.5KHz -205KHz
Antenna Type	Wireless1： Coil antenna Wireless2： Coil antenna
Power Rating	Input:5.0V⎓3.0A, 9.0V⎓2.22A (20.0W Max) Wireless Output: Magnetic:7.5V (7.5W Max), 9.0V (10.0W Max) Stand:5.0V (5.0W Max) Total:15.0W （Max）
Temperature	Operating Temp: -10℃~+35℃

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	Wireless1 Charging for Standby+Wireless2 Charging for Standby
Mode 2	Wireless1 Charging for 5W+Wireless2 Charging for 2.5W
Mode 3	Wireless1 Charging for 10W+Wireless2 Charging for 5W

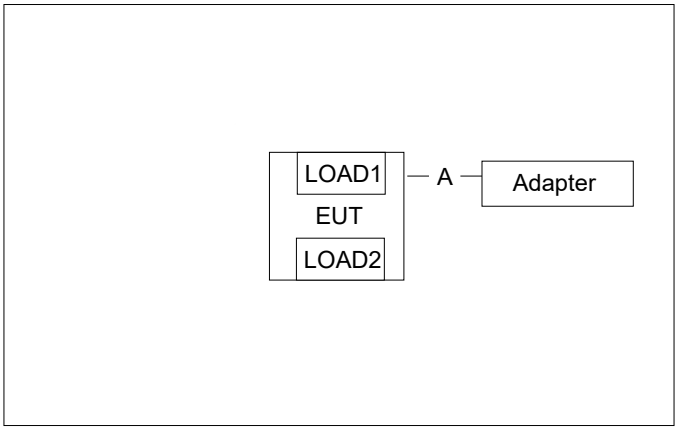
Note: The EUT Have two coils, the specific location is shown below:



1.3. Description of Test System

Product		Manufacturer	Model No.	Power Cord
1	Adapter	j5 create	20W PD	N/A
2	Load 1	YBZ	Intelligent RX full function test module	N/A
3	Load 2	YBZ	Intelligent RX full function test module	N/A

Connection Diagram



Signal Cable Type		Quantity	Signal cable Description
A	Type-C Cable	1	1.0m Non-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	3M02-DG	2022/06/17	25℃/ 50%	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 D01v03	PASS

2.2. Requirements

According to the item 5 of KDB 680106 D01v03:

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 205KHz
Output power from each primary coil is less than or equal to 15 watts	Yes	The maximum output power for each primary coil is 10W
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 two separated individual coils and each of them only allows for capable wireless power transfer between one source and one client at any given time.
Client device is inserted in or placed directly in contact with the transmitter	Yes	Client device is inserted in or placed directly in contact with the transmitter
Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion)	Yes	Mobile exposure conditions only
The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.	Yes	The EUT H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.

2.3. Duty cycle

Limits

None; for reporting purposes only.

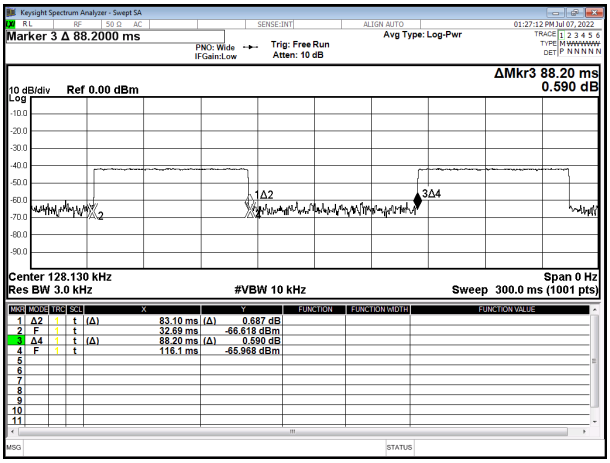
Procedure

Duty cycle zero-span mode Method

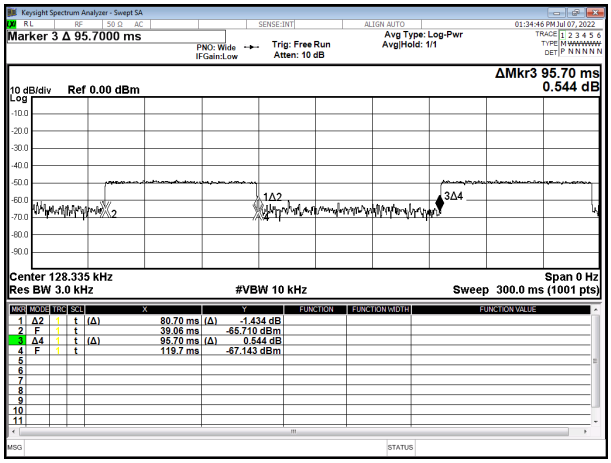
Result

Mode	On Time (msec)	Period Time (msec)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
Wireless1 Charging for Standby @ 110.5KHz -205KHz	83.10	171.30	48.51%	3.14
Wireless1 Charging for Standby @ 110.5KHz -205KHz	80.70	176.4	45.75%	3.40
Wireless1 Charging for 5W/10W @ 110.5KHz -205KHz	100.00	100.00	100.00%	0.00
Wireless2 Charging for 2.5W/5W @ 110.5KHz -205KHz	100.00	100.00	100.00%	0.00

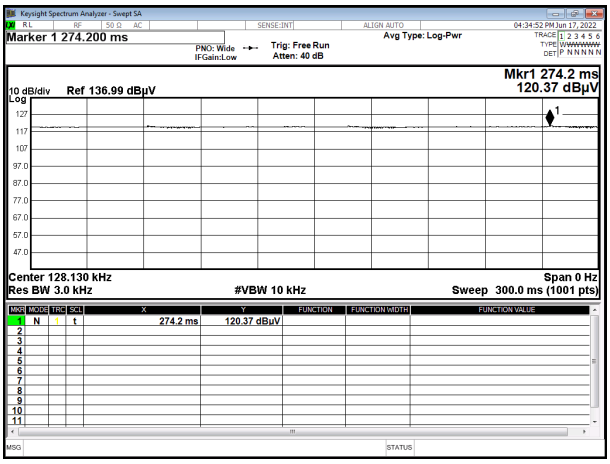
Wireless1 Charging for Standby @ 110.5KHz -205KHz



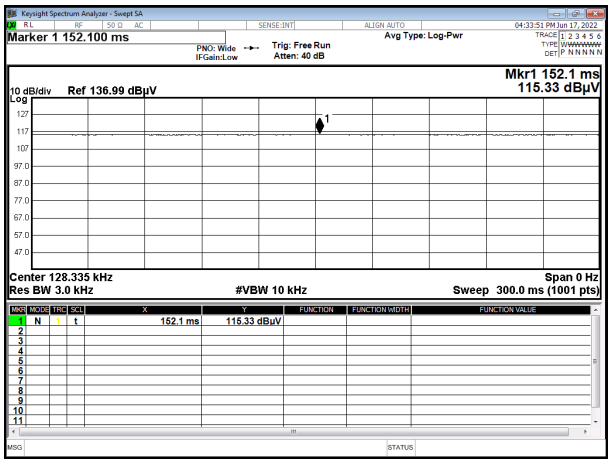
Wireless1 Charging for Standby @ 110.5KHz -205KHz



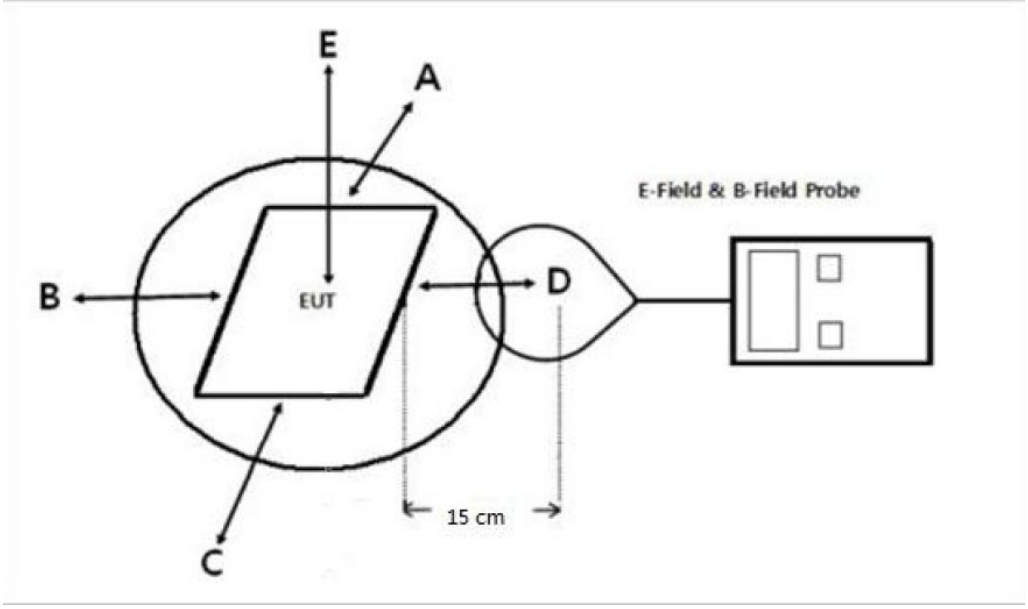
Wireless1 Charging for 5W/10W @ 110.5KHz -205KHz



Wireless2 Charging for 2.5W/5W @ 110.5KHz -205KHz



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 probe-analyzer	Narda	EHP-200AC	180ZX00632	2021.08.19	2022.08.18
MXA Signal Analyzer	KEYSIGHT	N9020A	US46220290	2022.05.07	2023.05.06

2.7. Test Result

Mode 1: Wireless1 Charging for Standby+Wireless2 Charging for Standby

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	15	2.14	45.75	1.45	307	614
B	15	2.34	45.75	1.58	307	614
C	15	2.32	45.75	1.57	307	614
D	15	3.18	45.75	2.15	307	614
E	20	4.02	45.75	2.72	307	614

Note: 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]

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	15	0.38	45.75	0.26	0.815	1.63
B	15	0.34	45.75	0.23	0.815	1.63
C	15	0.18	45.75	0.12	0.815	1.63
D	15	0.20	45.75	0.14	0.815	1.63
E	20	0.32	45.75	0.22	0.815	1.63

Note: 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]

Mode 2: Wireless1 Charging for 5W+Wireless2 Charging for 2.5W

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	15	2.85	100	2.85	307	614
B	15	2.95	100	2.95	307	614
C	15	2.57	100	2.57	307	614
D	15	3.74	100	3.74	307	614
E	20	4.52	100	4.52	307	614

Note: 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]

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	15	0.42	100	0.42	0.815	1.63
B	15	0.35	100	0.35	0.815	1.63
C	15	0.22	100	0.22	0.815	1.63
D	15	0.23	100	0.23	0.815	1.63
E	20	0.37	100	0.37	0.815	1.63

Note: 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]

Mode 3: Wireless1 Charging for 10W+Wireless2 Charging for 5W

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	15	2.76	100	2.76	307	614
B	15	3.01	100	3.01	307	614
C	15	2.27	100	2.27	307	614
D	15	3.72	100	3.72	307	614
E	20	4.45	100	4.45	307	614

Note: 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]

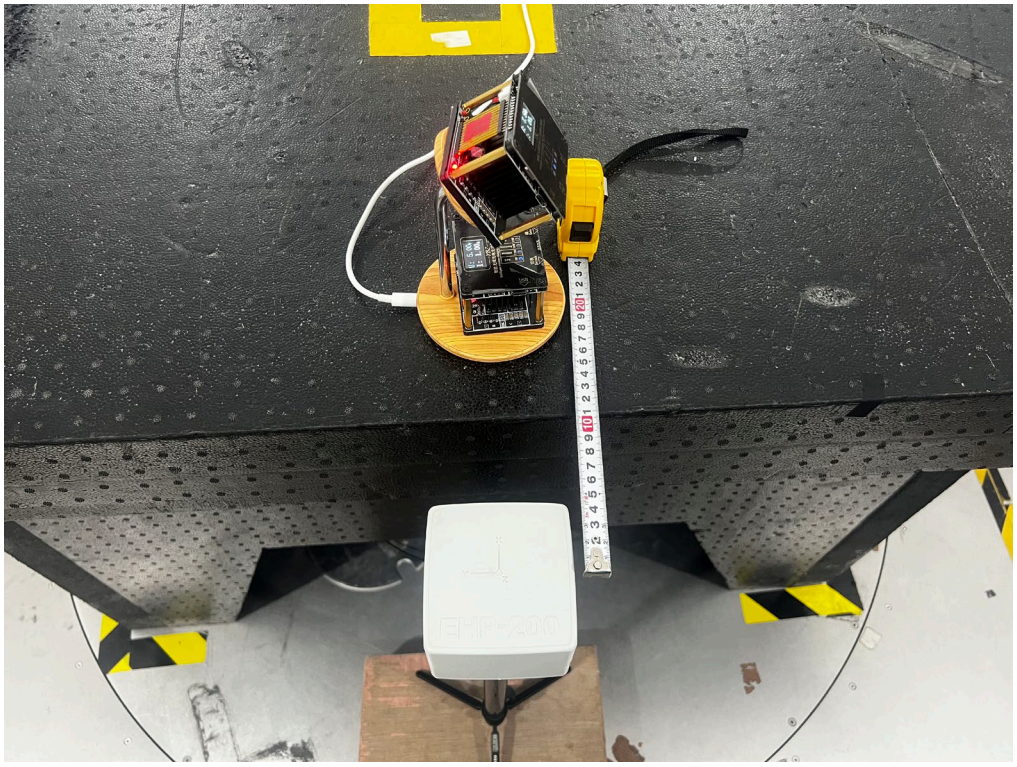
b) Magnetic Field Strength Measurement

Measured Side	Distance (cm)	Measured Value (A/m)			50% of Limit (A/m)	Limit (A/m)
		Peak	Duty Cycle %	AVG		
A	15	0.41	100	0.41	0.815	1.63
B	15	0.32	100	0.32	0.815	1.63
C	15	0.16	100	0.16	0.815	1.63
D	15	0.24	100	0.24	0.815	1.63
E	20	0.34	100	0.34	0.815	1.63

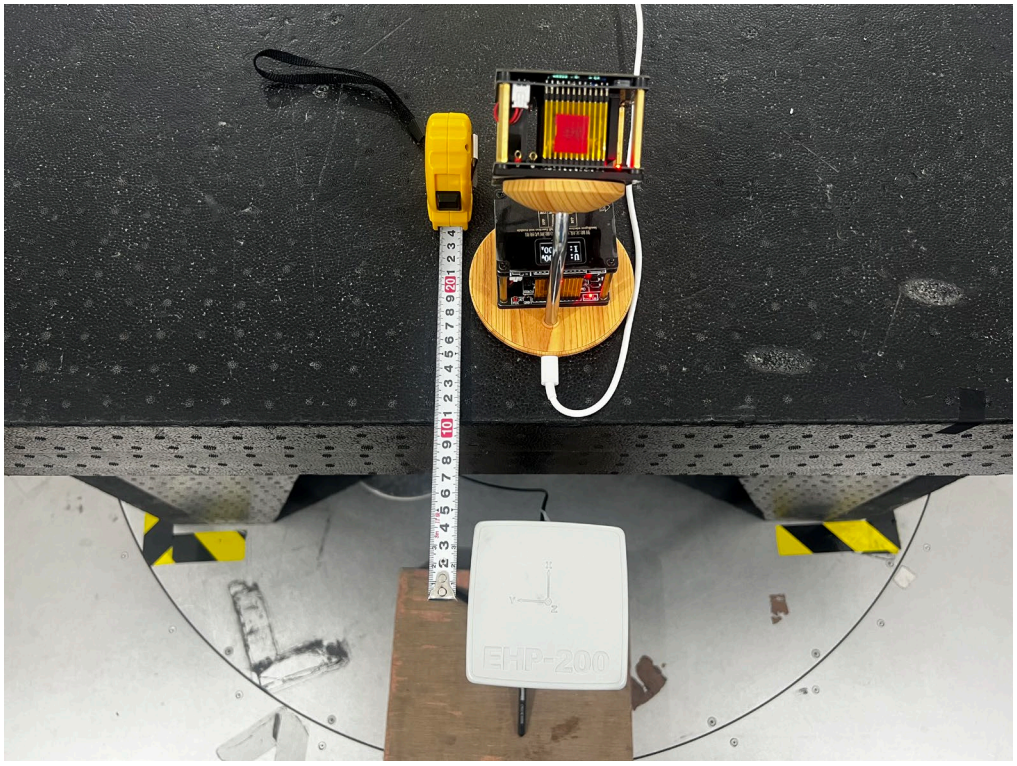
Note: Peak measurements were performed. RMS values were calculated from the peak measurement.
Please refer to the formula for calculating the RMS values: [Filed Strength*√Duty cycle]

2.8. Photographs of test setup

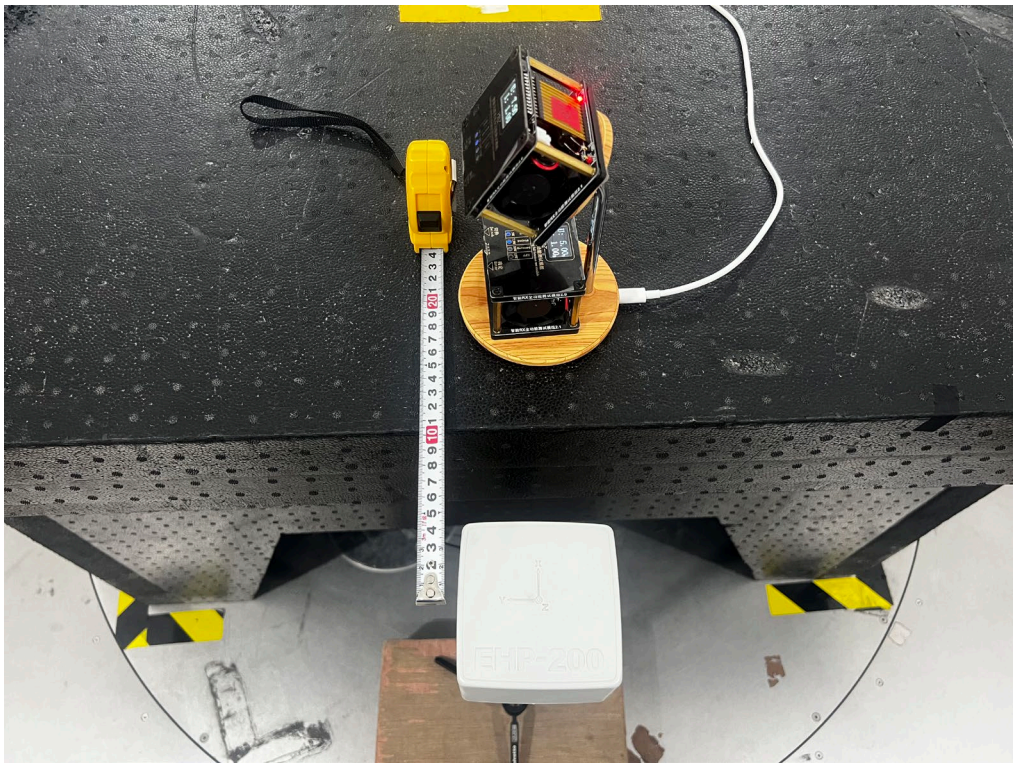
Measured Side A



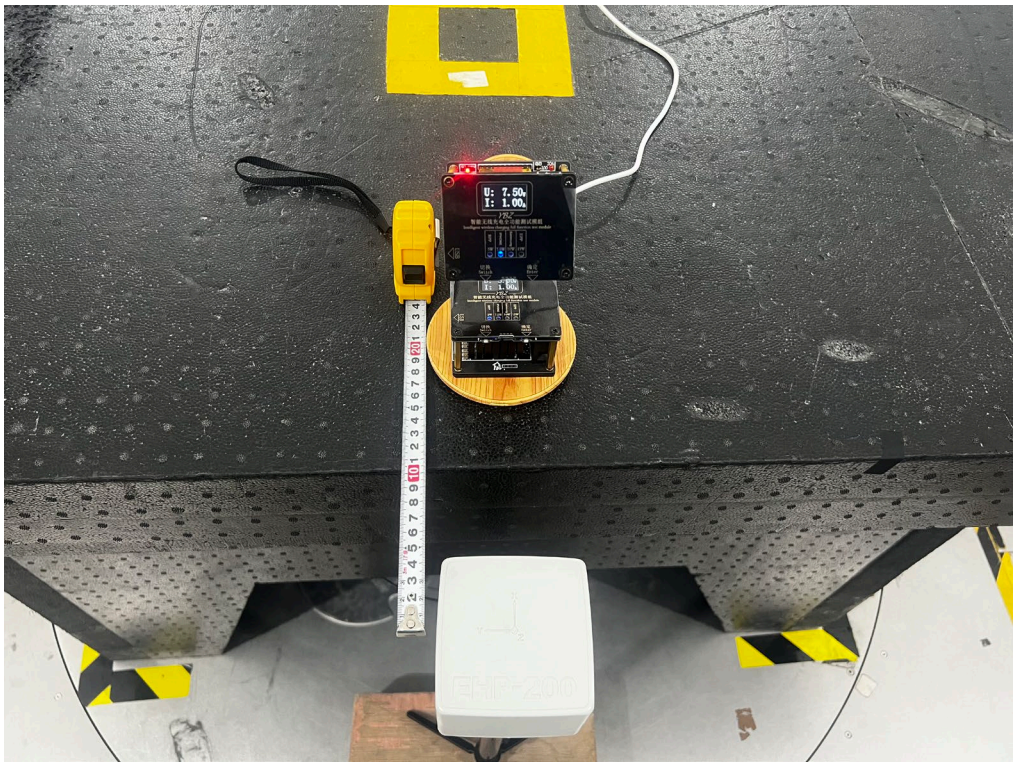
Measured Side B



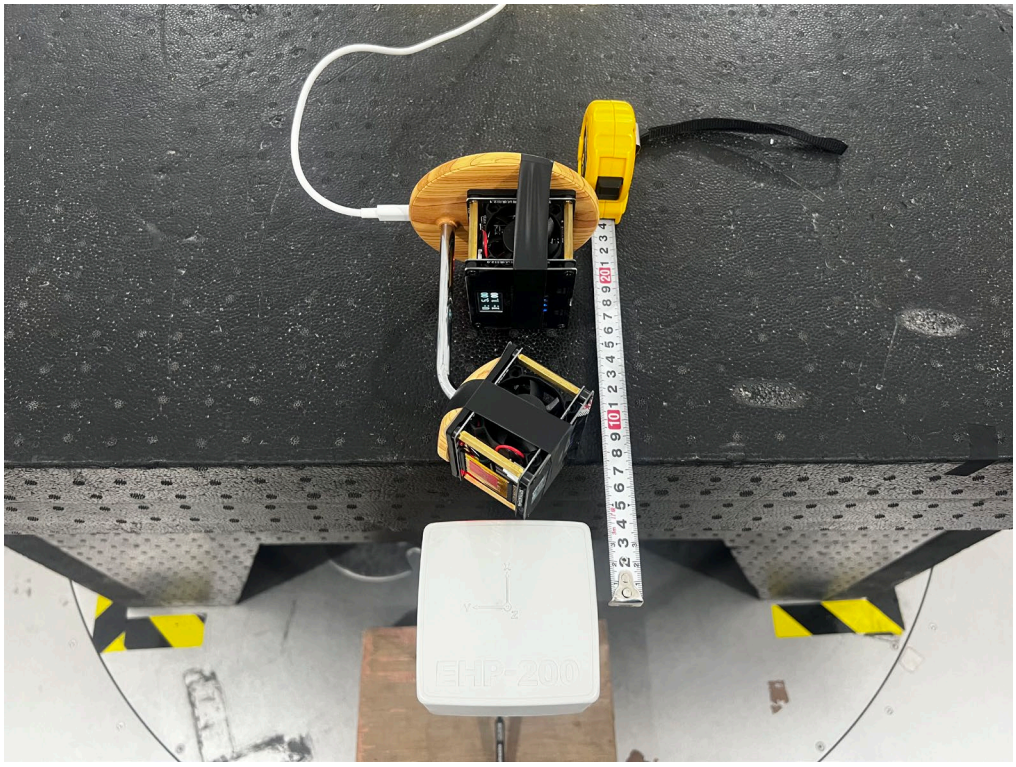
Measured Side C



Measured Side D



Measured Side E



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