RF EXPOSURE REPORT FOR CERTIFICATION
On Behalf of

Vinci Brands LLC

Power Bank With Built in Cables

Model Number: PW-405-NVY

Additional Model: PW-405-WHT

FCC ID: 2A3AX-PW405

Prepared for:	Vinci Brands LLC
	1775 Flight Way, Suite 300, Tustin, CA 92782
Prepared By:	EST Technology Co., Ltd.
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Report Number:	ESTE-R2210098
Date of Test:	Oct. 10-26, 2022
Date of Report:	Oct. 27, 2022

TABLE OF CONTENTS

EST Technology Co., Ltd.

Applicant: **Address:**	Vinci Brands LLC 1775 Flight Way, Suite 300, Tustin, CA 92782
Manufacturer: **Address:**	Vinci Brands LLC 1775 Flight Way, Suite 300, Tustin, CA 92782
Factory: **Address:**	Vinci Brands LLC 1775 Flight Way, Suite 300, Tustin, CA 92782
E.U.T:	Power Bank With Built in Cables
Model Number:	PW-405-NVY
Additional Model:	PW-405-WHT Note: They are identical except model name and appearance color.
Power Supply:	Type-C Input: 5V 2A, 9V 2A, 12V 1.5A Battery inside: DC 3.7V
Trade Name:	INCIPIO Serial No.: ------
Date of Receipt:	Oct. 09, 2022 Date of Test: Oct. 10-26, 2022
Test Specification:	FCC CFR 47 Part 1.1307(b)&1.1310 KDB 680106 D01 RF Exposure Wireless Charging Apps v03 r01
Test Result:	The device described above is tested by EST Technology Co., Ltd. The measurement results were contained in this test report and EST Technology Co., Ltd. was assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliance with the FCC CFR 47 Part 1.1307(b)&1.1310 requirements.This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd.

Date: Oct. 27, 2022

Prepared by:	Reviewed by:	Approved by:
Emily Cai / Assistant	Seven Wang / Engineer	Iceman Hu / Manager

Other Aspects:
None.

Abbreviations: OK/P=passed fail/F=failed n.a/N=not applicable E.U.T=equipment under tested

This test report is based on a single evaluation of one sample of above mentioned products ,It is not permitted to be duplicated in extracts without written approval of EST Technology Co., Ltd.

1. SUMMARY OF TEST

1.1. Summary of test result

Report Section	Description of Test Item	FCC Standard Section	Results
3	Maximum Permissible Exposure	Part 1.1307(b)&1.1310	PASS

1.2. Test Mode

Test Item	Test Mode
Maximum Permissible Exposure	Internal battery power mode& AC power in mode (Wireless Charging with Empty Load)
	Internal battery power mode& AC power in mode (Wireless Charging with Half Load)
	Internal battery power mode& AC power in mode (Wireless Charging with Full Load)

Note: AC Power Type-C input the wireless output power is limited to 5W.

1.3. Test Equipment List

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Electric and Magnetic Field Probe-Analyzer	Narda S.T.S./PMM	EHP-200A	EST-E106	June 13,22	1 Year
Simulated load	/	/	EST-306	N/A	N/A
Simulated load	/	/	EST-307	N/A	N/A
Test Software	Narda	EHP200-TS	Rel 1.92	N/A	N/A

2. MAXIMUM PERMISSIBLE EXPOSURE

2.1. Limit

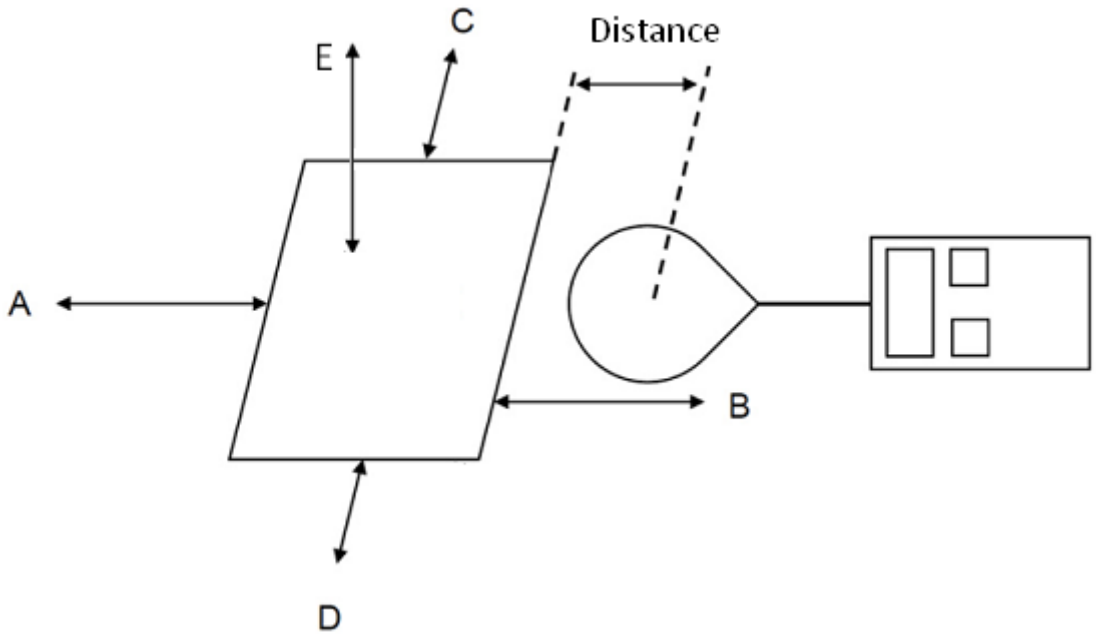
Limits for Maximum Permissible Exposure (MPE)

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/f^2	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/f^2	30
30-300	27.5	0.073	0.2	30
300-1,500			f/1500	30
1,500-100,000			1.0	30

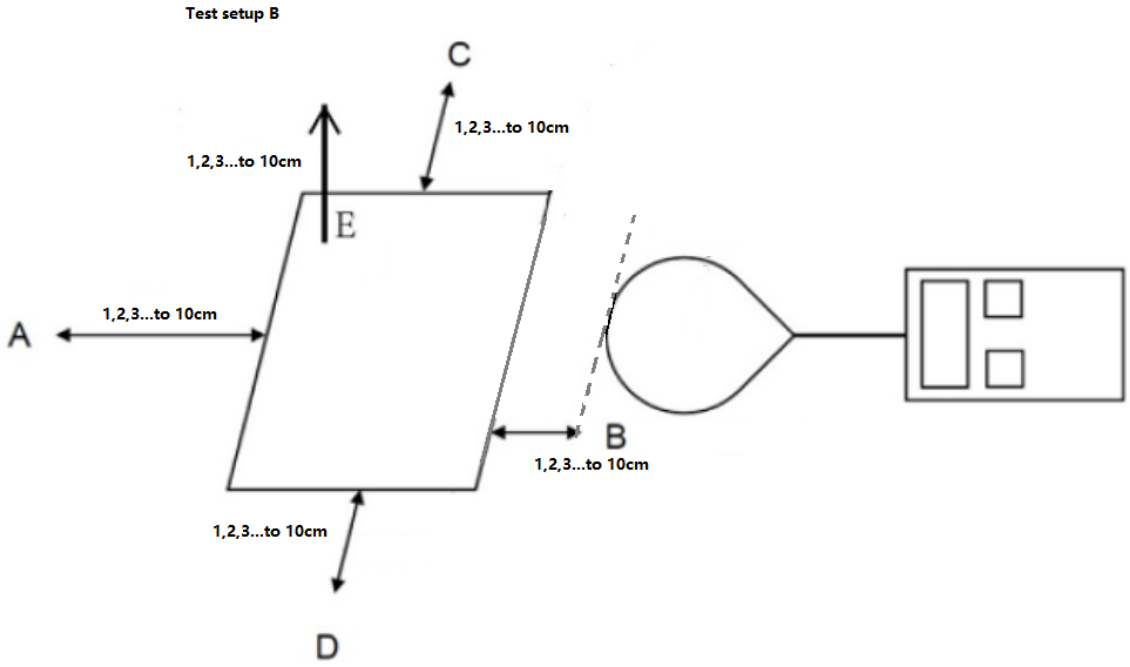
Note:

1. f = frequency in MHz * = Plane-wave equivalent power density.
2. For devices designed for typical desktop applications, such a wireless charging pads, RF exposure evaluation should be conducted assuming a user separation distance of 15 cm. E and H field strength measurements or numerical modeling may be used to demonstrate compliance. Measurements should be made from all sides and the top of the primary/client pair, with the 15 cm measured from the center of the probe(s) to the edge of the device. Emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1 of Section 1.1310: 614 V/m and 1.63 A/m. A KDB inquiry is required to determine the applicable exposure limits below 100 kHz.

2.2. Test Setup A



2.3. Test Setup B



2.4. Test Procedure

a. The test was performed on turn table in anechoic chamber with a dummy load.
b. The dummy load must be placed horizontal of the EUT at the top (Parallel to the coil).
c. Setup A :The probe was placed at 15 cm surrounding the device and 20 cm above the top of the charger and the geometric centre of the probe. Setup B: Distance from 10cm to 1cm
d. The highest emission level was recorded and compared with limit as soon as measurement of each point; A, B, C, D, E were completed.
e. Setup A distance means edge of WPT to center of probe.
f. Setup B distance means edge of WPT to edge of probe.

2.5. Equipment Approval Considerations

Inductive wireless power transfer applications with supporting field strength results and meeting all of the following requirements are not required to submit a KDB inquiry for devices approved using SDoC or a PAG for equipment approved using certification to address RF exposure compliance.

1	Power transfer frequency is less that 1 MHz
	YES; the device operated in the frequency range from 110.5-205KHz.
2	Output power from each primary coil is less than or equal to 15 watts.
	YES; the maximum output power of the primary coil is 10W.
3	The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils.
	YES; the transfer system includes only single primary and secondary coils.
4	Client device is placed directly in contact with the transmitter.
	YES; Client device is placed directly in contact with the transmitter.
5	Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).
	No.
6	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 field strength levels are 50% x MPE limts.

2.6. Test Result for Test setup A:

Internal battery power mode :

E-field strength			
Frequency range (KHz)	110.5 to 205 kHz		
Test Mode	Full Load	Half Load	Empty Load
Position A(V/m)	1.52	1.54	1.51
Position B(V/m)	1.34	1.27	1.19
Position C(V/m)	1.43	1.21	1.17
Position D(V/m)	1.27	1.17	1.02
Position E(V/m)	5.56	5.24	3.31
Limits (V/m)	614		
50% Limits(V/m)	307		

H-field strength			
Frequency range (KHz)	110.5 to 205 kHz		
Test Mode	Full Load	Half Load	Empty Load
Position A(A/m)	0.078	0.089	0.076
Position B(A/m)	0.097	0.087	0.085
Position C(A/m)	0.076	0.098	0.085
Position D(A/m)	0.079	0.084	0.082
Position E(A/m)	0.213	0.207	0.109
Limits (A/m)	1.630		
50% Limits (A/m)	0.815		

AC power in mode :

E-field strength			
Frequency range (KHz)	110.5 to 205 kHz		
Test Mode	Full Load	Half Load	Empty Load
Position A(V/m)	1.46	1.21	1.47
Position B(V/m)	1.36	1.14	1.11
Position C(V/m)	1.19	1.11	1.13
Position D(V/m)	1.24	0.98	1.12
Position E(V/m)	4.21	4.04	3.26
Limits (V/m)	614		
50% Limits(V/m)	307		

H-field strength			
Frequency range (KHz)	110.5 to 205 kHz		
Test Mode	Full Load	Half Load	Empty Load
Position A(A/m)	0.055	0.048	0.044
Position B(A/m)	0.053	0.051	0.050
Position C(A/m)	0.047	0.041	0.039
Position D(A/m)	0.056	0.046	0.041
Position E(A/m)	0.191	0.174	0.152
Limits (A/m)	1.630		
50% Limits (A/m)	0.815		

2.7. Test Result for Test setup B:

Internal battery power mode :

Empty , Half , Full load all have been tested ,only worse case Max load (Full) is reported.

E-Filed Strength at (distance 10cm to 1cm at 1cm iteration, i.e. at a distance of 10cm, 9cm, 8cm, ……. 1cm, Which is between the edge of the charger and the edge of of probe,) surrounding the EUT (V/m)

Test distance (cm)	Position A (V/m)	Position B (V/m)	Position C (V/m)	Position D (V/m)	Position E (V/m)	Limits (V/m)
1	14.23	13.14	14.32	13.74	16.04	614
2	12.39	11.47	11.84	11.98	14.31	614
3	11.57	11.47	11.36	11.47	13.97	614
4	10.21	10.95	11.07	11.31	13.47	614
5	9.64	10.37	10.68	10.57	13.21	614
6	9.52	10.24	10.27	10.36	12.98	614
7	9.31	9.37	9.64	10.24	12.34	614
8	8.91	8.64	9.20	9.35	11.79	614
9	8.62	7.98	8.21	8.34	11.54	614
10	7.35	7.26	7.18	7.62	10.16	614

H-Filed Strength at (distance 10cm to 1cm at 1cm iteration, i.e. at a distance of 10cm, 9cm, 8cm, ……. 1cm, Which is between the edge of the charger and the edge of of probe,) surrounding the EUT (A/m)

Test distance (cm)	Position A (A/m)	Position B (A/m)	Position C (A/m)	Position D (A/m)	Position E (A/m)	Limits (A/m)
1	0.74	0.61	0.76	0.87	1.31	1.63
2	0.51	0.49	0.55	0.63	1.12	1.63
3	0.46	0.44	0.47	0.58	1.06	1.63
4	0.42	0.38	0.41	0.51	0.97	1.63
5	0.39	0.31	0.39	0.47	0.94	1.63
6	0.34	0.26	0.34	0.39	0.86	1.63
7	0.25	0.24	0.23	0.34	0.83	1.63
8	0.21	0.19	0.21	0.25	0.77	1.63
9	0.17	0.12	0.18	0.17	0.74	1.63
10	0.14	0.09	0.10	0.12	0.65	1.63

AC power in mode :

Empty , Half , Full load all have been tested ,only worse case Max load (Full) is reported.

E-Filed Strength at (distance 10cm to 1cm at 1cm iteration, i.e. at a distance of 10cm, 9cm, 8cm, ……. 1cm, Which is between the edge of the charger and the edge of of probe,) surrounding the EUT (V/m)

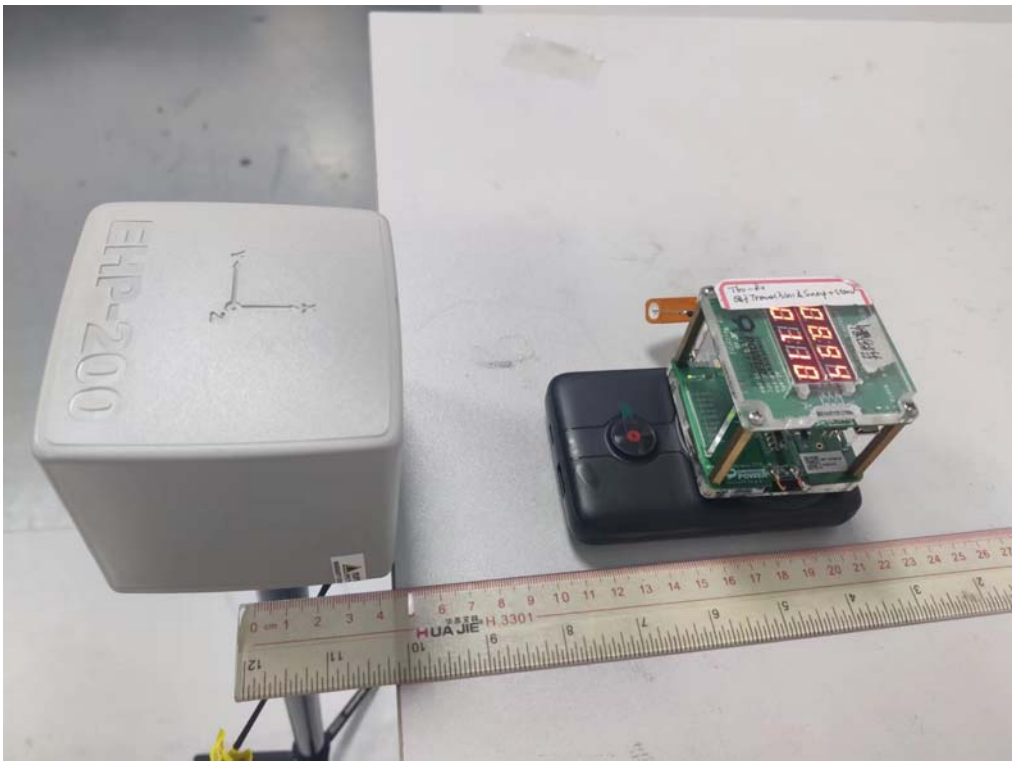
Test distance (cm)	Position A (V/m)	Position B (V/m)	Position C (V/m)	Position D (V/m)	Position E (V/m)	Limits (V/m)
1	12.34	12.76	12.37	13.21	15.63	614
2	10.78	11.42	11.38	10.95	14.07	614
3	10.24	11.05	11.27	10.16	13.86	614
4	9.35	10.24	10.32	9.74	13.44	614
5	8.64	9.76	9.67	9.31	13.19	614
6	8.31	9.35	9.34	8.61	12.76	614
7	7.96	8.63	8.57	8.23	12.29	614
8	7.54	8.21	8.32	7.69	11.64	614
9	6.95	7.35	7.39	7.37	11.34	614
10	6.24	6.95	6.34	6.74	8.36	614

H-Filed Strength at (distance 10cm to 1cm at 1cm iteration, i.e. at a distance of 10cm, 9cm, 8cm, ……. 1cm, Which is between the edge of the charger and the edge of of probe,) surrounding the EUT (A/m)

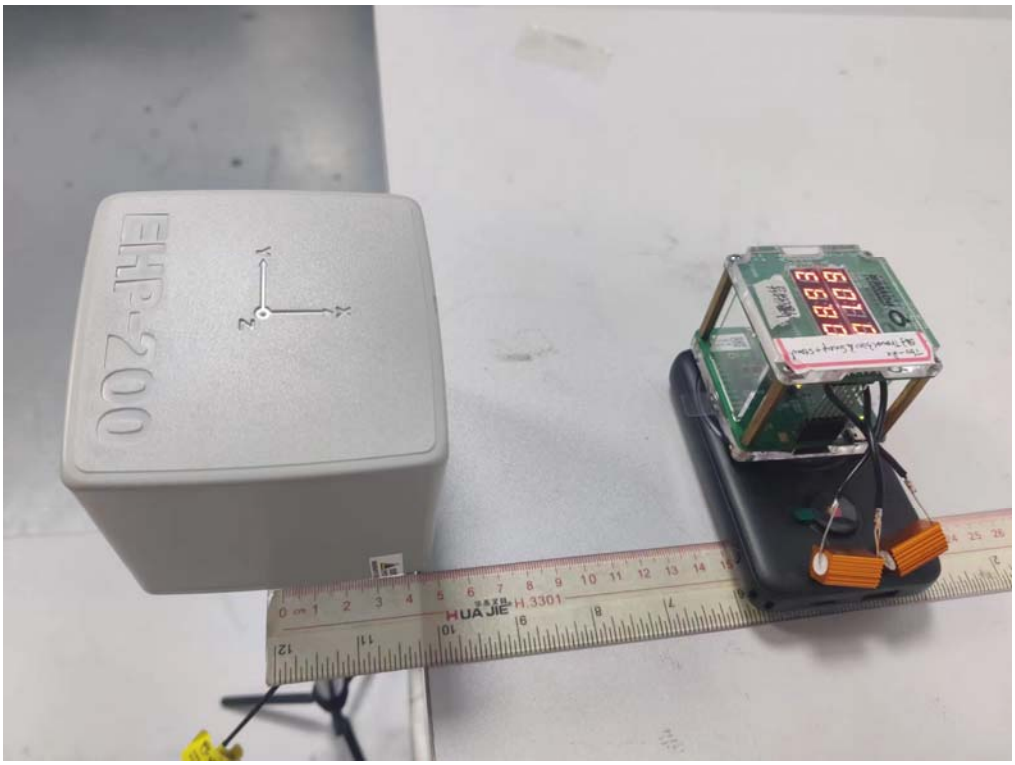
Test distance (cm)	Position A (A/m)	Position B (A/m)	Position C (A/m)	Position D (A/m)	Position E (A/m)	Limits (A/m)
1	0.69	0.59	0.62	0.69	1.27	1.63
2	0.49	0.44	0.48	0.51	1.08	1.63
3	0.43	0.41	0.42	0.46	1.02	1.63
4	0.40	0.32	0.33	0.38	0.92	1.63
5	0.37	0.30	0.29	0.31	0.89	1.63
6	0.31	0.27	0.21	0.27	0.74	1.63
7	0.22	0.23	0.17	0.23	0.69	1.63
8	0.19	0.18	0.16	0.16	0.61	1.63
9	0.16	0.15	0.11	0.14	0.56	1.63
10	0.15	0.13	0.09	0.11	0.47	1.63

3. TEST SETUP PHOTO

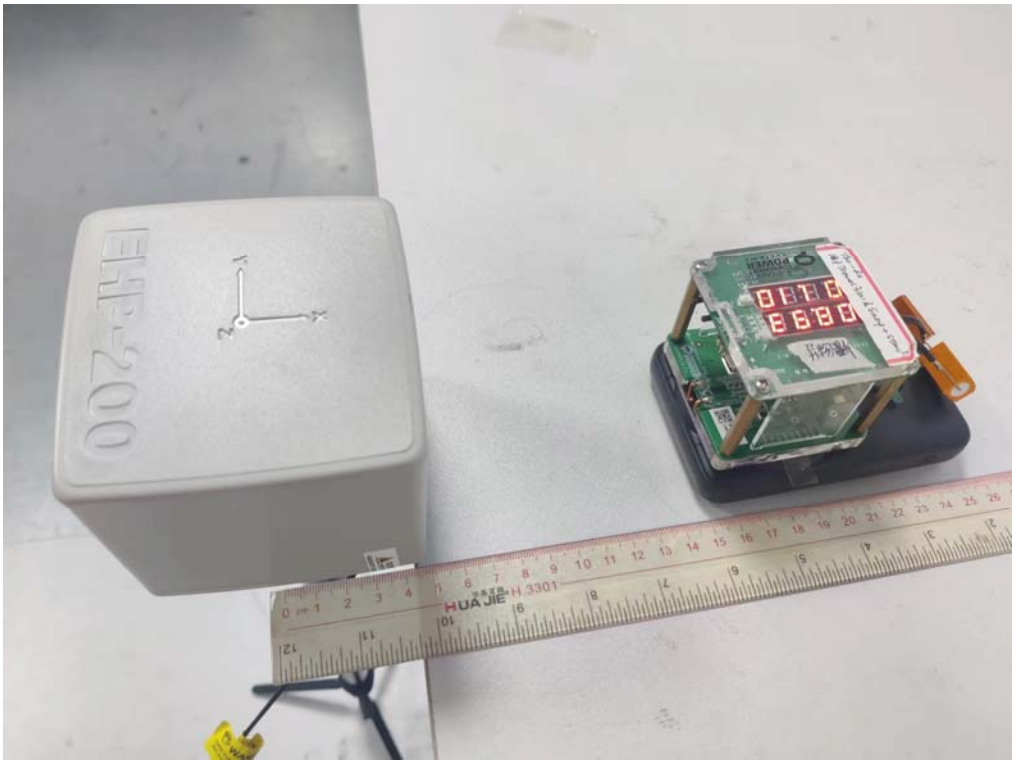
Internal battery power
Position A



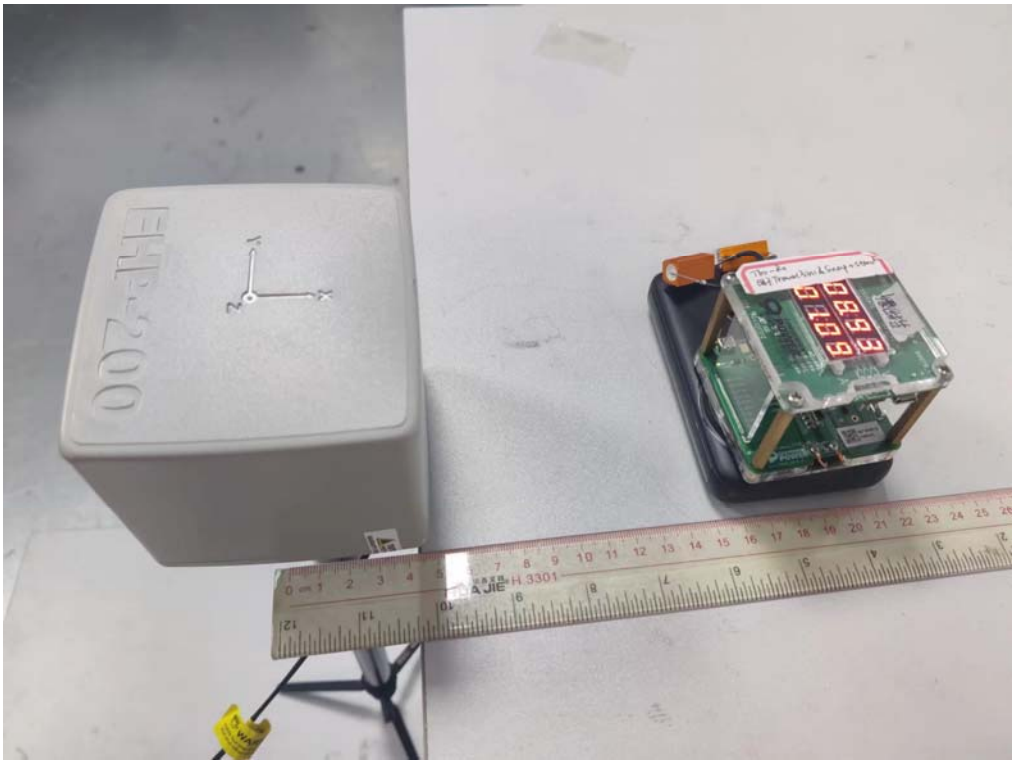
Position B



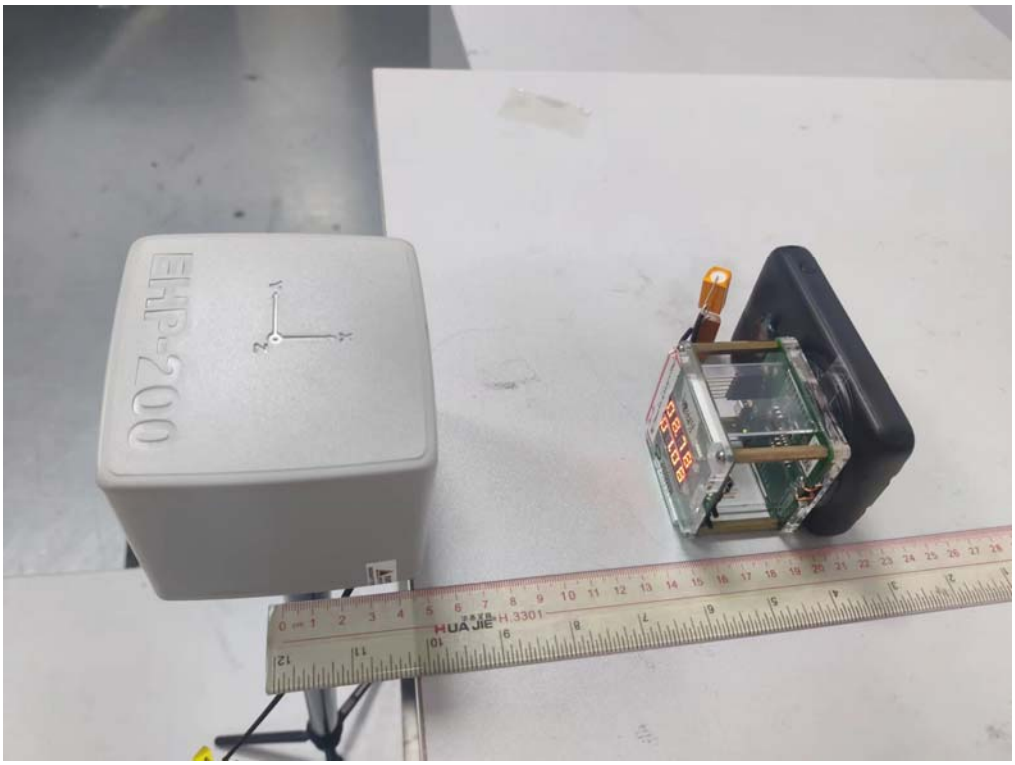
Position C



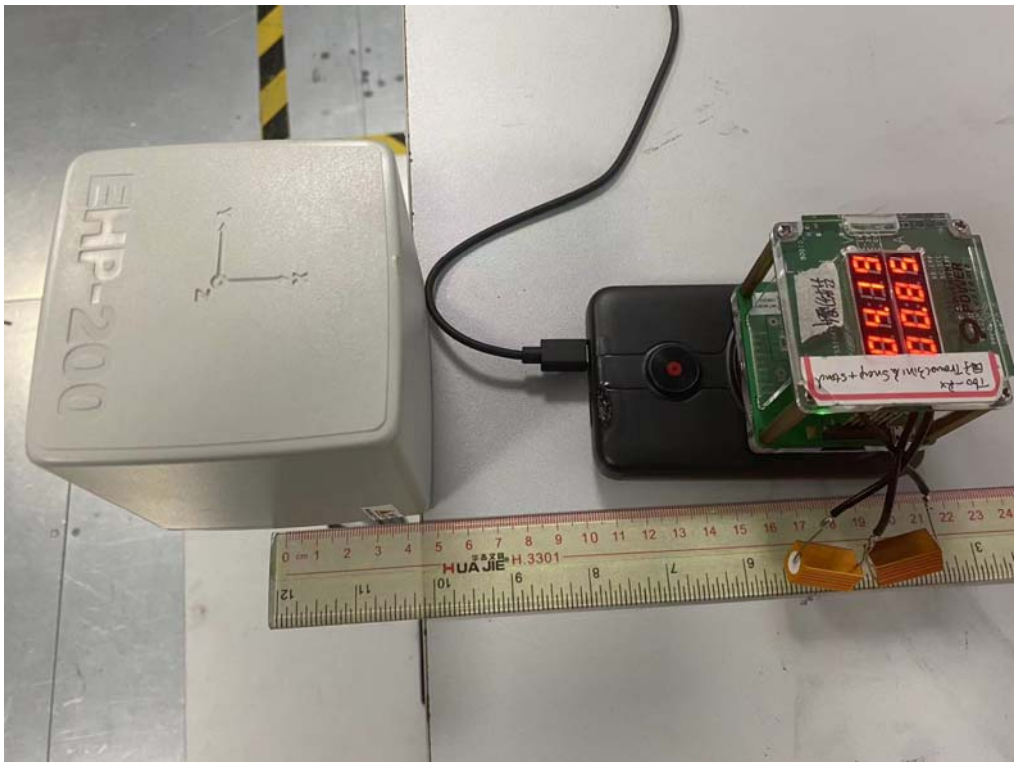
Position D



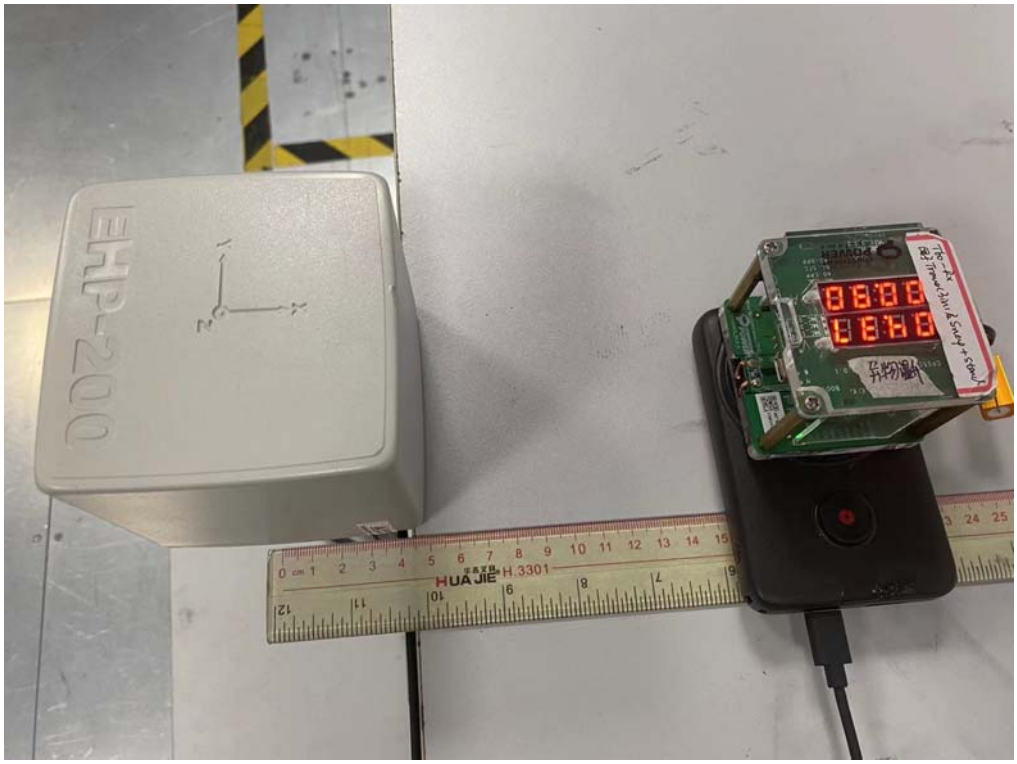
Position E



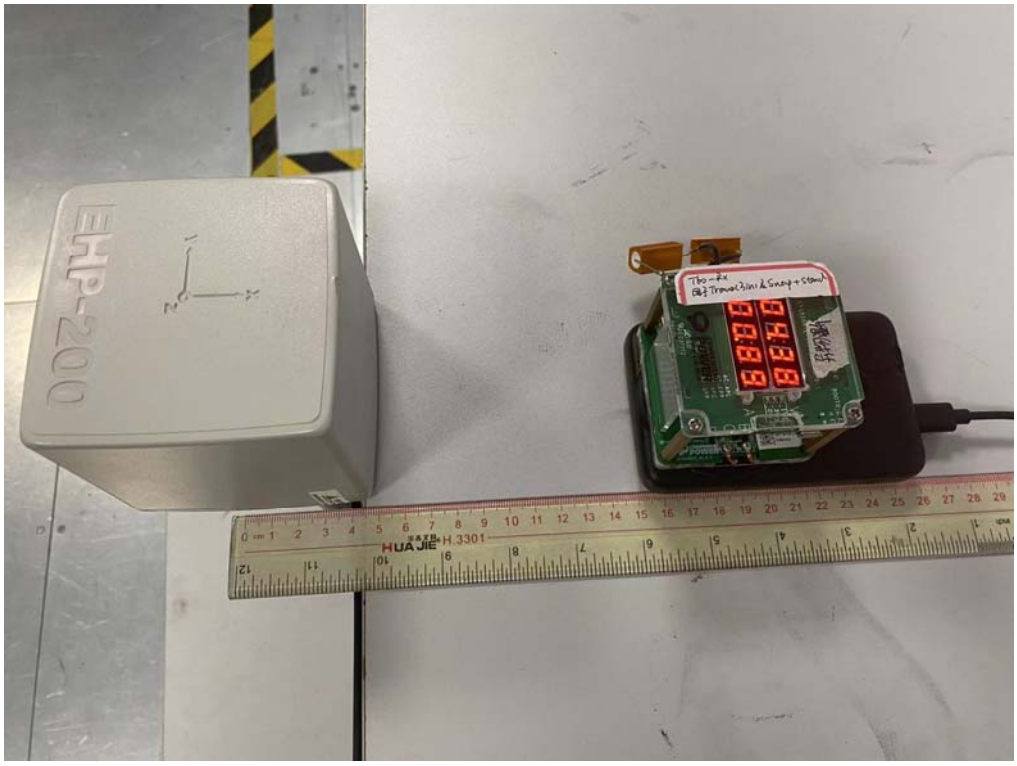
AC power in
Position A



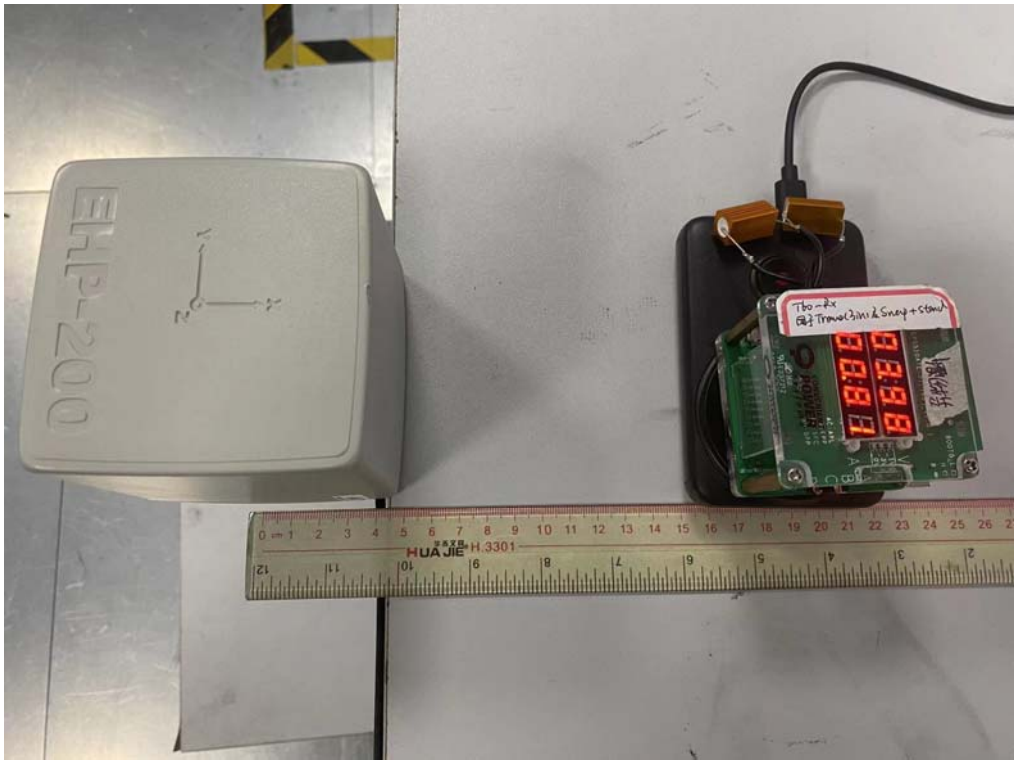
Position B



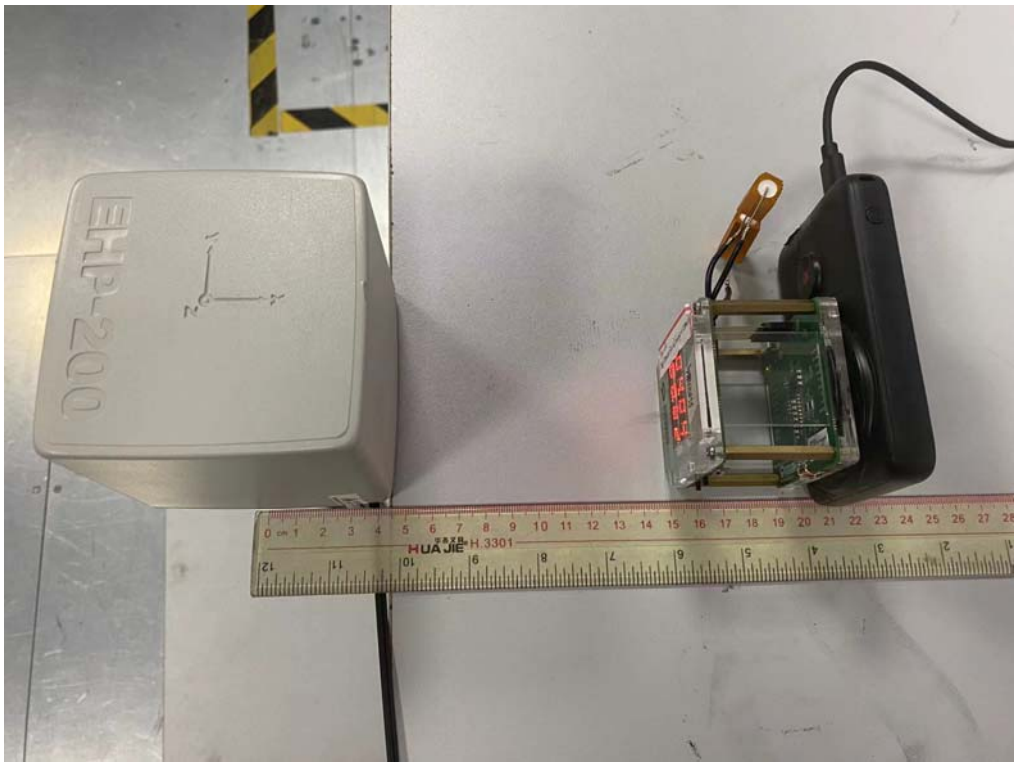
Position C



Position D



Position E



End of Test Report