Health Test Report

For

Applicant name:	Kopplen Inc.
Address:	Suite 339, 1-7357 Woodbine Ave, Markham, Ontario L3R 6L3, Canada
EUT name:	Power Bank
Brand name:	N/A
Model number:	OZONE5K-BLU
Series model number:	N/A
FCC ID:	2A9QR-OZONE5KBLU

Issued By

Company name:	**BTF Testing Lab (Shenzhen) Co., Ltd.**
Address:	Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China
Report number:	BTF260416R00902
Test standards:	47 CFR Part 1 Subpart I Section 1.1310
Test conclusion:	Pass
Date of sample receipt:	2026-04-16
Test date:	2026-04-16 to 2026-04-27
Date of issue:	2026-05-19

Prepared by: Chris Liu

Chris Liu /Project engineer

Approved by: Ryan.CJ

Ryan.CJ /EMC manager

Note: All the test results in this report only related to the testing samples. Which can be duplicated completely for the legal use with approval of applicant; it shall not be reproduced except in full without the written approval of BTF Testing Lab (Shenzhen) Co., Ltd., All the objections should be raised within thirty days from the date of issue. To validate the report, you can contact us.

Revision History		
Version	Issue date	Revisions content
R_V0	2026-05-19	Original

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1 Introduction

1.1 Laboratory Location

Test location:	BTF Testing Lab (Shenzhen) Co., Ltd.
Address:	Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China
Description:	All measurement facilities used to collect the measurement data are located at Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China
Phone number:	+86-0755-23146130
Fax number:	+86-0755-23146130

1.2 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC - Designation No.: CN1409**
  BTF Testing Lab (Shenzhen) Co., Ltd. has been accredited as a testing laboratory by FCC (Federal Communications Commission). The test firm Registration No. is 695374.
- **ISED – CAB identifier.: CN0135**
  The 3m Semi-anechoic chamber of BTF Testing Lab (Shenzhen) Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 27844.
- **CNAS - Registration No.: CNAS L17568**
  BTF Testing Lab (Shenzhen) Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L17568.
- **A2LA - Registration No.: 6660.01**
  BTF Testing Lab (Shenzhen) Co., Ltd. is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories.

1.3 Announcement

(1) The test report reference to the report template version v0.
(2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
(3) The test report is invalid if there is any evidence and/or falsification.
(4) This document may not be altered or revised in any way unless done so by BTF and all revisions are duly noted in the revisions section.
(5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
(6) The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.
(7) All entrusted information in this report is provided by the client and has been confirmed through consultation with the client; The testing items for this report have been discussed and confirmed with the client, and our company is only responsible for the content reflected in the report.

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2 Product Information

2.1 Application Information

Company name:	Kopplen Inc.
Address:	Suite 339, 1-7357 Woodbine Ave, Markham, Ontario L3R 6L3, Canada

2.2 Manufacturer Information

Company name:	Guangdong Foxsky Technology Co., Ltd
Address:	Rm101-105, Bldg 10&11, LIANDO U Valley, No.252 Hexi Road, Sanhe Village, Tonghu Town, Zhongkai District, Huizhou, Guangdong, China

2.3 Factory Information

Company name:	Guangdong Foxsky Technology Co., Ltd
Address:	Rm101-105, Bldg 10&11, LIANDO U Valley, No.252 Hexi Road, Sanhe Village, Tonghu Town, Zhongkai District, Huizhou, Guangdong, China

2.4 General Description of Equipment under Test (EUT)

EUT name	Power Bank
Under test model name	OZONE5K-BLU
Series model name	N/A
Description of model name differentiation	N/A
Hardware Version	V1.0
Software Version	V1.0
Rating:	N/A

2.5 Technical Information

Operation frequency:	125.14kHz ~ 152.86kHz
Modulation technology:	ASK
Antenna type:	Coil Antenna

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3 Test Equipment List

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Electric and Magnetic Field Analyzer	Narda	EHP-200A	180ZX11001	2025/11/21	2026/11/20

4 Applied Reference Documents

Identity	Document Title
47 CFR Part 1 Subpart I Section 1.1310	Radiofrequency radiation exposure limits.

5 Test Auxiliary Equipment

Description	Manufacturer	Model	Serial No.	Length	Description
Mobile phone	Apple	iphone 14	/	/	/

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6 Test Requirement

KDB 680106 D01 RF Exposure Wireless Charging App v03
According to the item 5.2 of KDB 680106 D01v03:
Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF exposure evaluation.

a) Power transfer frequency is less than 1 MHz.
Yes, the device operate in the frequency range from 125.14kHz ~ 152.86KHz
b) Output power from each primary coil is less than or equal to 15 watts.
YES, the maximum output power of the primary coil is 15W.
c) 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
d) Client device is placed directly in contact with the transmitter.
Yes, client device is placed directly in contact with the transmitter.
e) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).
Yes, the EUT is a Wireless Charging mobile.
f) 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 limit.

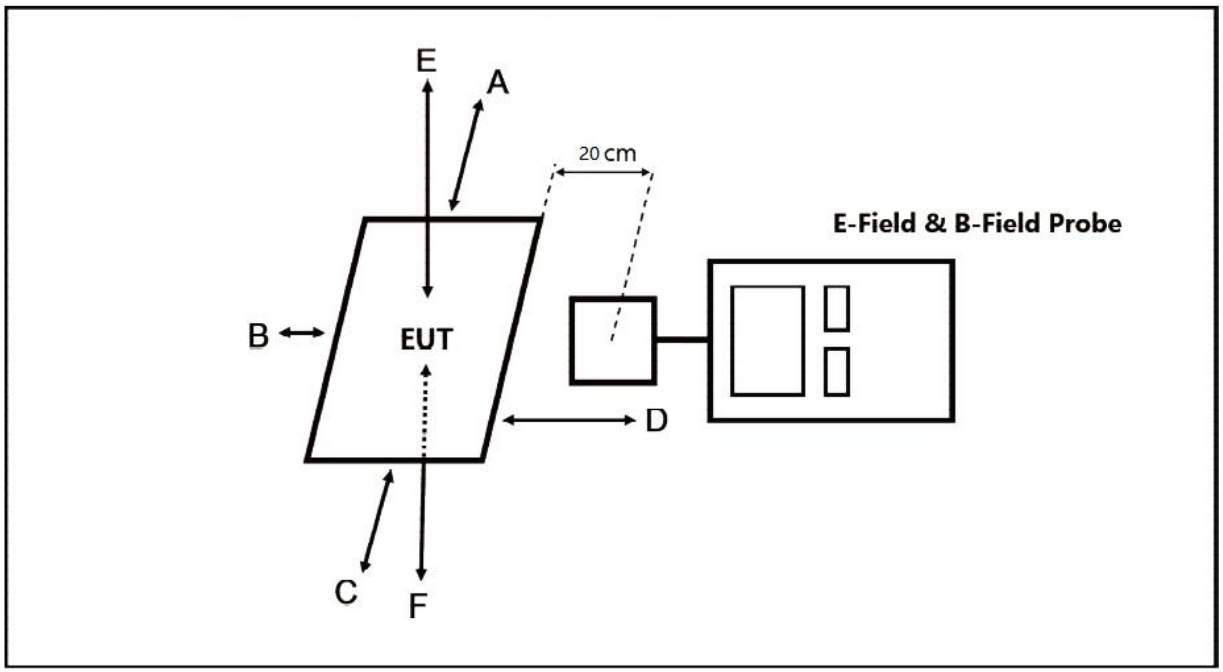
TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

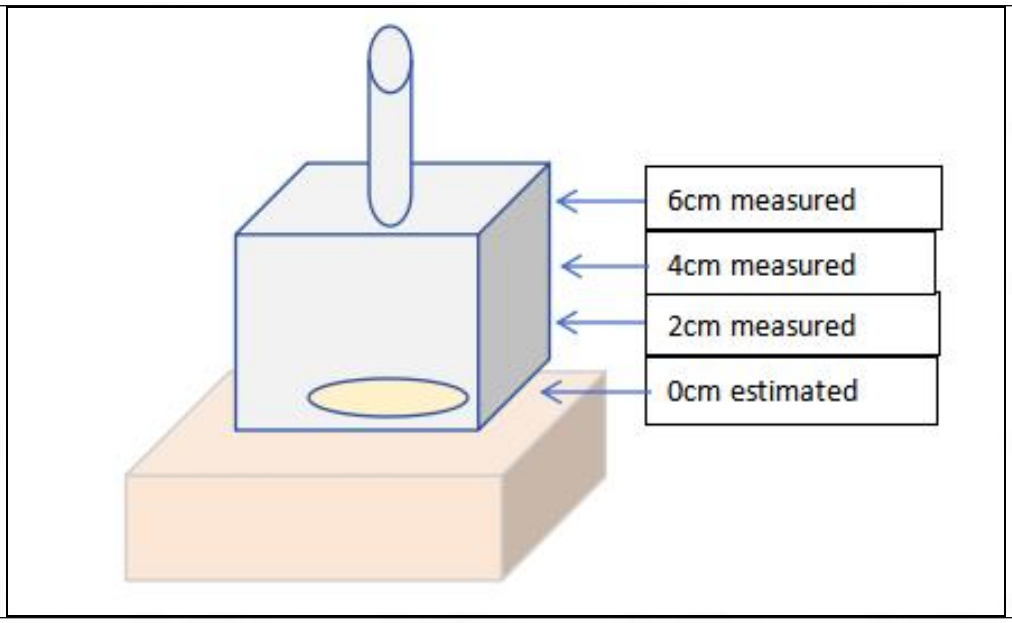
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*100	6
3.0-30	1842/f	4.89/f	*900/f^2	6
30-300	61.4	0.163	1.0	6
300-1,500			f/300	6
1,500-100,000			5	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

f = frequency in MHz * = Plane-wave equivalent power density

7 Test Settings

Test Setup





Note1: The sensitive elements are located approximately 8mm below the exxternal surface

Note2: Measurements should be made from all sides and the top of the primary/client pair, with the 0/2/4/6/8/10/12/14/16/18/20cm measured from the center of the probe(s) to the edge of the device.

The RF exposure test was performed in anechoic chamber.

The measurement probe was placed at test distance (0/2/4/6/8/10/12/14/16/18/20cm) which is between the edge of the charger and the geometric center of probe.

The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E, F) were completed.

The EUT was measured according to the dictates of KDB 680106 D01 v04.

8 Exposure Assessment

8.1 E-Field Strength Test Date

➢ **E-Field Strength at 20cm from the edges surrounding the EUT:**

Charging Battery Level	Measured E-Field Strength Values (V/m)							FCC E-Field Strength Limits (V/m)
	Measured Distance (cm)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	
1%	20	0.64	0.52	0.46	0.51	0.67	0.65	614
50%	20	0.64	0.50	0.42	0.50	0.67	0.64	614
99%	20	0.62	0.50	0.42	0.47	0.64	0.60	614

8.2 H-Field Strength Test Date:

➢ **H-Field Strength at 20cm from the edges surrounding the EUT**

Charging Battery Level	Measured E-Field Strength Values (V/m)								FCC H-Field Strength Limits (A/m)
	Measured Distance (cm)	Unit	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	
1%	20	A/m	0.036	0.034	0.021	0.033	0.060	0.058	1.63
50%	20	A/m	0.032	0.032	0.020	0.030	0.058	0.054	1.63
99%	20	A/m	0.035	0.032	0.021	0.030	0.060	0.058	1.63

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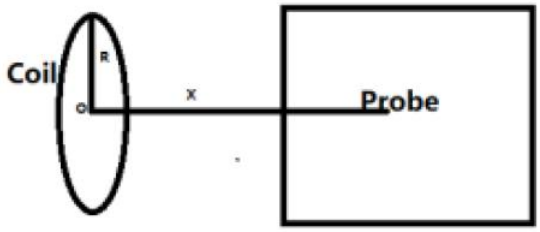
8.3 Estimated Model

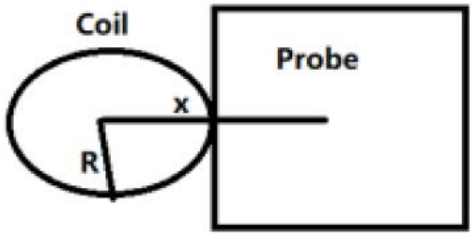
Use **Biot-Savart Law**, the value of 0 cm can be estimated through the results of 2 cm, according to the formula:

Top & Bottom Side:



$$B = \frac{\mu_0 * I * N * R^2}{2 * (R^2 + x^2)^{3/2}}$$

Front, left, right & rear Side:



$$B = \frac{\mu_0 * I * N}{2 * x}$$

Remark:
B: H-field(Unit: T)
u_0: Space permeability=4*pi*10^{-7}
I (Unit: A): The current element passing through a radiated coil.
R: Radius of radiated coil, according to the coil specification: R=0.019m
X: The distance from the sensing elements of the probe to the edge of the radiated coil (the dimensions of EUT and load are take into account) (Unit: m)
A: 0.03m, B: 0.035m, C: 0.08m, D: 0.035m, E: 0.001m, F: 0.005m, Phone: 0.016m
N: Turns of the radiated coil, according to the coil specification: N=20.

8.4 Comparison of evaluation data and test data

- **Internal battery power mode.**

<1%, 50%, >99% load all have been tested, only worse case Max load (<1%) is reported.

H-Filed Strength at (distance 0cm to 20cm at 2cm iteration, i.e. at a distance of 20cm, 18cm, 16cm, ……. 0cm, Which is between the edge of the charger and the edge of of probe,) surrounding the EUT (A/m)

Test distance (cm)	Test Position A(A/m)	Test Position B(A/m)	Test Position C(A/m)	Test Position D(A/m)	Test Position E(A/m)	Test Position F(A/m)	Limits (A/m)
2	0.271	0.255	0.212	0.258	0.357	0.363	1.63
4	0.125	0.120	0.116	0.118	0.144	0.125	1.63
6	0.116	0.112	0.102	0.110	0.128	0.117	1.63
8	0.108	0.103	0.072	0.106	0.122	0.114	1.63
10	0.084	0.079	0.063	0.080	0.119	0.102	1.63
12	0.058	0.055	0.045	0.056	0.112	0.098	1.63
14	0.048	0.046	0.044	0.049	0.094	0.085	1.63
16	0.040	0.040	0.032	0.035	0.078	0.067	1.63
18	0.039	0.037	0.026	0.035	0.066	0.060	1.63
20	0.036	0.034	0.021	0.033	0.060	0.058	1.63

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Use the Biot-Savart Law to estimated the results of 2cm through 4 cm.

Test position	Measure Value(A/m)	Estimated Value (A/m)	Agreement Ratio	Limits
A	0.271	0.196	-27.68%	30%
B	0.212	0.155	-26.89%	30%
C	0.255	0.184	-27.84%	30%
D	0.258	0.181	-29.84%	30%
E	0.357	0.433	21.29%	30%
F	0.363	0.471	29.75%	30%

As the model is sufficient, the value of 0cm can be estimated through the results of 2 cm

Test position	Estimated Value (A/m)	Limits(A/m)
A	0.632	1.63
B	0.318	
C	0.546	
D	0.553	
E	1.545	
F	1.482	

➢ **Conclusion:**

A minimum safety distance of 0 cm to the antenna is required when the device is charging a smart phone for mobile exposure. The detected emissions are below the limitations according FCC KDB 680106.
The model was established with a 30% agreement, so it was considered to be approved.
The estimated test distances of 0cm are reliable.

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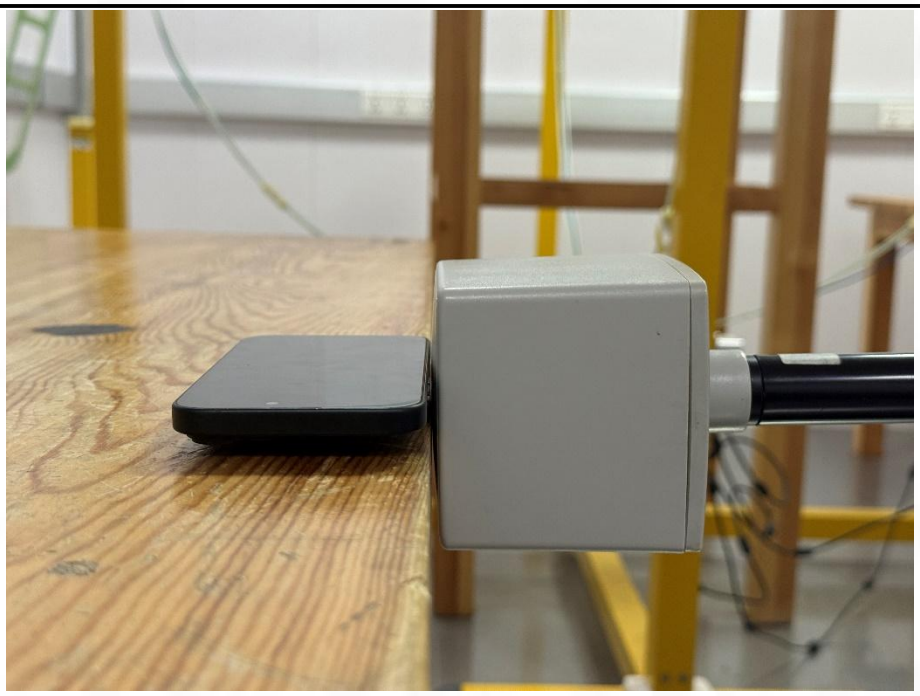
9 Test Setup Photos



Side(C)

Side(A)

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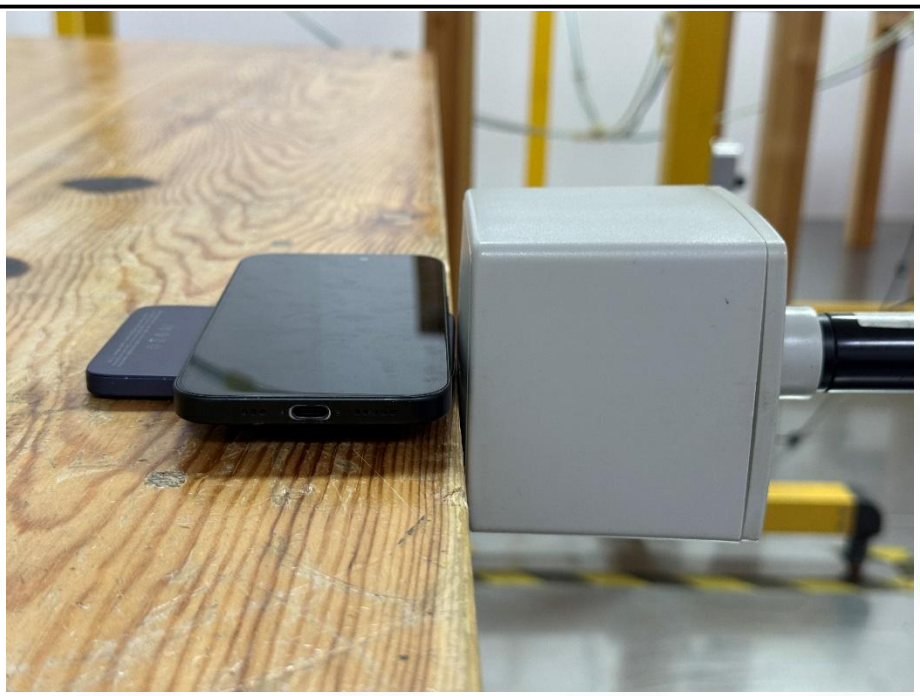
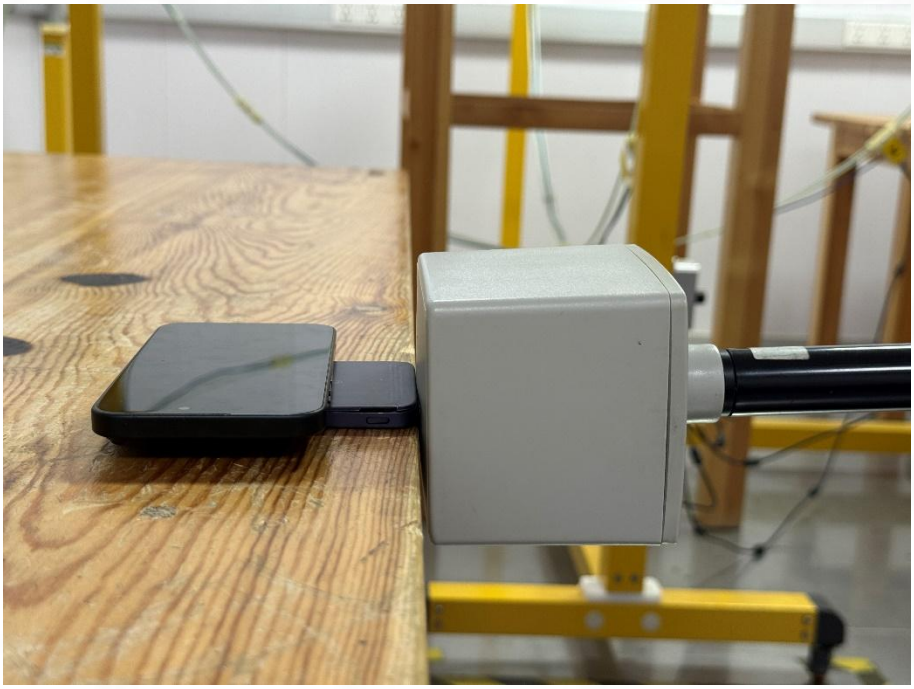


Side(B)



Side(D)

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Top(E)

Bottom(F)

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