

TEST REPORT

Report No.	CISRR25111712602
Project No.	CISR251117126
FCC ID	2BSWS-F2
Applicant	Shenzhen Lanwei Technology Co., Ltd.
Address	Room 301, No. 51, Yangmen Industrial Zone, Dakan Community, Xili Street, Nanshan District, Shenzhen, Guangdong, China
Manufacturer	Shenzhen Lanwei Technology Co., Ltd.
Address	Room 301, No. 51, Yangmen Industrial Zone, Dakan Community, Xili Street, Nanshan District, Shenzhen, Guangdong, China
Product Name	Power Bank
Trademark	-
Model/Type reference	F2
Listed Model(s)	-
Standard	FCC KDB publication 680106 D01 Wireless Power Transfer v04 CFR 47 Part 1 Subpart I Section 1.1310 CFR 47 Part 2 Subpart J Section 2.1093
Test date	November 24, 2025 to December 3, 2025
Issue date	December 3, 2025
Test result	Complied

Morgan Tan

Reviewed by: Morgan Tan



Approved by: Hans Hu

The test results relate only to the tested samples.

The test report should not be reproduced except in full without the written approval of Shenzhen Bangce Testing Technology Co., Ltd.

Contents

1. REPORT VERSION	3
2. SUMMARY	4
2.1. Product Description *	4
2.2. Radio Specification Description *	4
2.3. Modification of EUT	4
2.4. Deviation from standards	4
2.5. Testing Site	5
3. TEST CONFIGURATION	6
3.1. Descriptions of test mode	6
3.2. Support unit used in test configuration	6
3.3. Test sample information	6
3.4. Environmental conditions	6
3.5. Statement of the measurement uncertainty	7
3.6. Equipment Used during the Test	7
4. TEST RESULTS	8
5. TEST SETUP PHOTOS	15

1. REPORT VERSION

Version No.	Issue date	Description
00	December 3, 2025	Original

2. SUMMARY

2.1. Product Description *

Main unit information:	
Product Name:	Power Bank
Trade mark:	-
Model No.:	F2
Listed Model(s):	-
Model difference:	-
Power supply:	Type-C Input: 5V $\Rightarrow$ 3A, 9V $\Rightarrow$ 2A 18W(MAX) Type-C Output: 5V $\Rightarrow$ 3A, 9V $\Rightarrow$ 2.22A, 12V $\Rightarrow$ 1.67A 20W(Max) Wireless Output: 5W/7.5W/10W/15W Total Output:5V $\Rightarrow$ 3A
Hardware version:	-
Software version:	-
Accessory unit information:	
Battery information:	DC 3.7V

2.2. Radio Specification Description *

Technology:	Wireless power transmission systems
Modulation:	ASK
Operation frequency:	110kHz-205kHz
Antenna type:	Coil antenna
Antenna gain:	0dBi

2.3. Modification of EUT

No modifications are made to the EUT during all test items.

2.4. Deviation from standards

None

2.5. Testing Site

Laboratory Name	Shenzhen Bangce Testing Technology Co., Ltd.
Laboratory Location	101, building 10, Yunli Intelligent Park, Shutianpu community, Matian Street, Guangming District, Shenzhen, Guangdong, China
Contact information	Tel: 86-755-2319 6848, email: service@cis-cn.net Website: http://www.cis-cn.net/
FCC registration number	736346
FCC designation number	CN1372

3. TEST CONFIGURATION

3.1. Descriptions of test mode

Test Mode:	
Mode 1	AC/DC Adapter + EUT(5W) + phone(Battery Status: <1%)
Mode 2	AC/DC Adapter + EUT(5W) + phone(Battery Status: <50%)
Mode 3	AC/DC Adapter + EUT(5W) + phone(Battery Status: <99%)
Mode 4	AC/DC Adapter + EUT(7.5W) + phone(Battery Status: <1%)
Mode 5	AC/DC Adapter + EUT(7.5W) + phone(Battery Status: <50%)
Mode 6	AC/DC Adapter + EUT(7.5W) + phone(Battery Status: <99%)
Mode 7	AC/DC Adapter + EUT(10W) + phone(Battery Status: <1%)
Mode 8	AC/DC Adapter + EUT(10W) + phone(Battery Status: <50%)
Mode 9	AC/DC Adapter + EUT(10W) + phone(Battery Status: <99%)
Mode 10	AC/DC Adapter + EUT(15W) + phone(Battery Status: <1%)
Mode 11	AC/DC Adapter + EUT(15W) + phone(Battery Status: <50%)
Mode 12	AC/DC Adapter + EUT(15W) + phone(Battery Status: <99%)
Remark: – All test modes were pre-tested, but we only recorded the worst case in this report.	

3.2. Support unit used in test configuration

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The following peripheral devices and interface cables were connected during the measurement:

Item	Equipment name	Trade Name	Model No.
1	phone	Huawei	Mate 30

3.3. Test sample information

Type	Sample No.
Normal sample	CISR251117126-1

3.4. Environmental conditions

Type	Requirement
Temperature:	15~35°C
Relative Humidity:	25~75%
Air Pressure:	860~1060mbar

3.5. Statement of the measurement uncertainty

No.	Test Items	Measurement Uncertainty
1	Field Strength	1%

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=1.96$.

3.6. Equipment Used during the Test

Item	Equipment name	Manufacturer	Model	Serial No.	Calibration date	Due date
1	Exposure Level Tester	Narda	ELT-400	N-0713	2025-1-07	2026-1-06
2	B-Field Probe	Narda	ELT-400	M-1154	2025-1-07	2026-1-06

4. TEST RESULTS

Limit

According to FCC CFR 47 S 1.1310: 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), except in the case of portable devices which shall be evaluated according to the provisions of FCC part 2.1093 of this chapter.

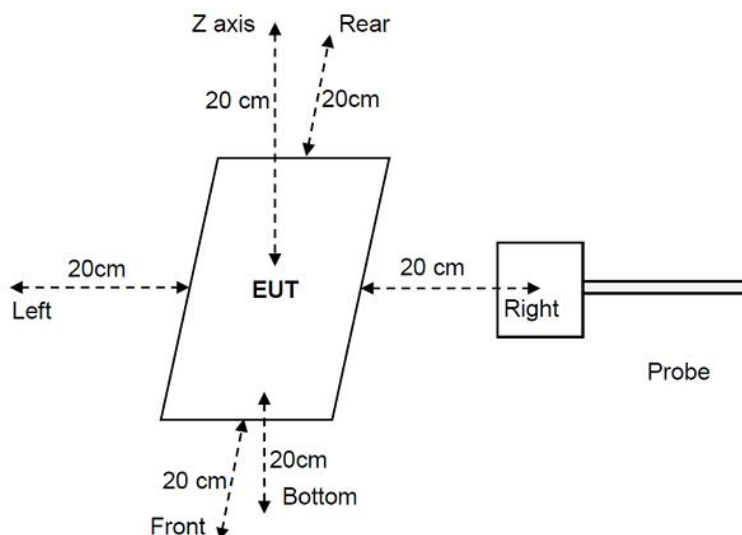
TABLE 1 TO § 1.1310(E)(1)—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(i) 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
(ii) 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

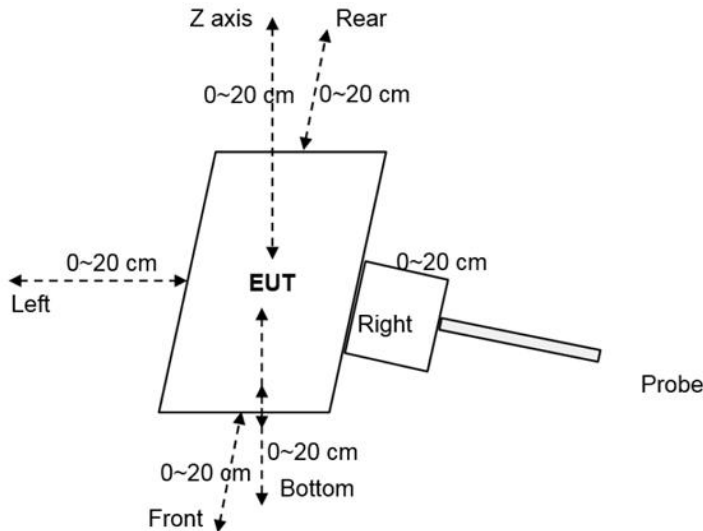
f = frequency in MHz. * = Plane-wave equivalent power density.

Test Setup Diagram

For Mobile Exposure:



For Portable Exposure:

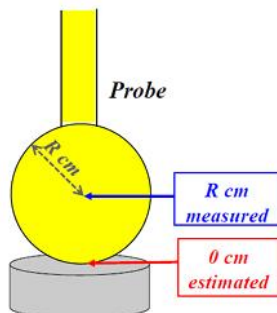


- 1) The RF exposure test was performed in anechoic chamber.
- 2) The distance of the points ((Left (A), Right (B), Rear (C), Front (D), Top (E), Bottom (F)) is 0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20cm.
- 3) The values tested by the probe are X, Y and Z on three axes perpendicular to the edge of the device. Top and bottom side coincident with the axis (Y) of the main coil.

Measurement Procedure

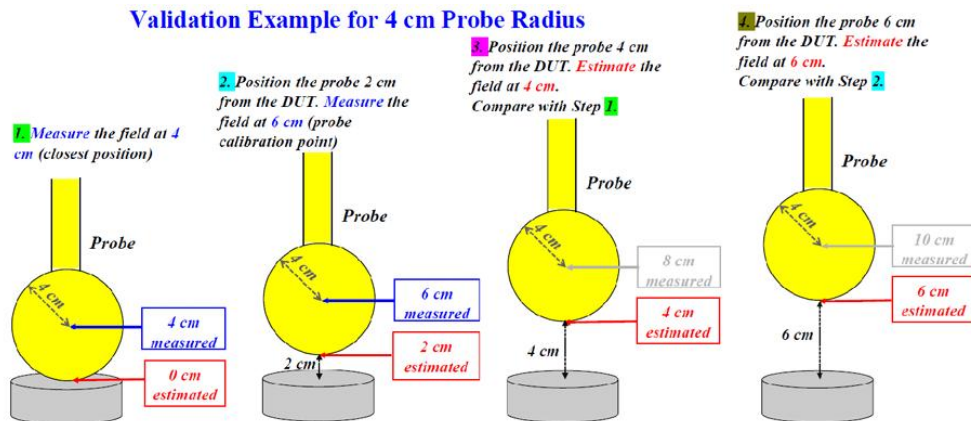
For portable Exposure conditions:

- 1) The portable test modes have covered the considerations of the mobile test, only record the test data of the portable conditions in this report.
- 2) Operating modes with client device (1%, 50%, 99% battery status of client device), have been tested, only show the data of worst case of 1% battery status of client device.
- 3) Test performed with all the radiating structures operating at maximum power at the same time.
- 4) E-field and H-field measurements are taken along all three axes the device from 0cm to 20cm in 2cm minimum increment for each edge surface of the host/client pair. If the center of the probe sensing elements is more than 5mm from the probe outer edge, the field strengths need to be estimated for the positions that are not reachable.
- 5) Validation of Field Estimates
 - a) If R is the probe radius and the probe tip is in contact with the coil, then the probe center is R cm from the coil surface as bellow picture:



- b) The probe then is measuring the field correctly at R cm from the surface, and only estimating the field at the 0 cm point of contact with the coil surface.
- c) The validation requires showing that the model used to estimate the field provides data within 30% accuracy for at least the two, 2-cm-spaced closest points to where the estimates were made.
- d) If there is only on estimated value, then a single validation point is sufficient.

e) Validation Example for 4 cm Probe Radius as following



Description of the Validation Example for 4 cm Probe Radius

- Assume that $R=4$ cm. The field at 0 cm can only be estimated, but the field at 4 cm is measured exactly (at the center of the probe)
 - Move the probe at 2 cm from the surface. The field at 2 cm can still only be estimated, but the field at 6 cm is measured exactly.
 - Compare the estimate with the values at the same positions where the field was measured exactly (i.e. 4 cm and 6 cm)
 - The difference between measurements and estimates needs to be no more than 30%. The validation of the estimates needs to be for the two closest points to the coil, but at least 2 cm apart (in this case they are). This is to avoid a validation at, say 2 cm and another on at 2.1 cm, that is essentially a repetition.
- 6) According to specification about Probe, the dimensions is 290*125mm, so the actual 0cm field strengths need to be estimated for the positions that are not reachable, only the result of test distance 2cm~20cm was measured value.

For validation purposes:

If the value to show a 30% agreement between the model and the (E-and/or H-Field) probe measurements for the two closest points to the device surface, and with 2cm increments.

Then this extrapolation method is reasonable.

Validation

H-Field Magnetic Field Emissions							
Test Distance (cm)	Left	Right	Front	Rear	Top	Bottom	Conclusion
6cm (Estimated) (A/m)	0.068	0.091	0.032	0.105	0.208	0.127	Compliance within 30%
6cm (Measured) (A/m)	0.073	0.086	0.037	0.113	0.217	0.135	
Agreement (%)	7.09%	-5.65%	14.49%	7.34%	4.24%	6.11%	

E-Field Magnetic Field Emissions							
Test Distance (cm)	Left	Right	Front	Rear	Top	Bottom	Conclusion
6cm (Estimated) (V/m)	1.215	1.752	0.687	1.967	3.357	1.854	Compliance within 30%
6cm (Measured) (V/m)	1.301	1.843	0.713	2.053	3.529	2.014	
Agreement (%)	6.84%	5.06%	3.71%	4.28%	5.00%	8.27%	

H-Field Magnetic Field Emissions							
Test Distance (cm)	Left	Right	Front	Rear	Top	Bottom	Conclusion
8cm (Estimated) (A/m)	0.053	0.082	0.027	0.098	0.183	0.118	Compliance within 30%
8cm (Measured) (A/m)	0.061	0.091	0.029	0.092	0.186	0.124	
Agreement (%)	14.04%	10.40%	7.14%	-6.32%	1.63%	4.96%	

E-Field Magnetic Field Emissions							
Test Distance (cm)	Left	Right	Front	Rear	Top	Bottom	Conclusion
8cm (Estimated) (V/m)	1.124	1.695	0.601	1.845	3.018	1.753	Compliance within 30%
8cm (Measured) (V/m)	1.156	1.703	0.622	1.759	3.045	1.854	
Agreement (%)	2.81%	0.47%	3.43%	-4.77%	0.89%	5.60%	

H-Field Magnetic Field Emissions							
Test Distance (cm)	Left	Right	Front	Rear	Top	Bottom	Conclusion
10cm (Estimated) (A/m)	0.047	0.071	0.02	0.092	0.174	0.109	Compliance within 30%
10cm (Measured) (A/m)	0.052	0.075	0.023	0.094	0.176	0.12	
Agreement (%)	10.10%	5.48%	13.95%	2.15%	1.14%	9.61%	

E-Field Magnetic Field Emissions							
Test Distance (cm)	Left	Right	Front	Rear	Top	Bottom	Conclusion
10cm (Estimated) (V/m)	0.98	1.527	0.529	1.764	2.895	1.691	Compliance within 30%
10cm (Measured) (V/m)	1.03	1.544	0.551	1.759	2.919	1.601	
Agreement (%)	4.98%	1.11%	4.07%	-0.28%	0.83%	-5.47%	

Result

Test distance: 0cm (Estimated value)

Test position	E-Field Level (V/m) @15W				H-Field Level (A/m) @15W			
	10% charge	50% charge	90% charge	Limit (V/m)	10% charge	50% charge	90% charge	Limit (A/m)
Left				614				1.63
Right				614				1.63
Front				614				1.63
Rear				614				1.63
Top				614				1.63
Bottom				614				1.63

Test distance: 2cm (Estimated value)

Test position	E-Field Level (V/m) @15W				H-Field Level (A/m) @15W			
	10% charge	50% charge	90% charge	Limit (V/m)	10% charge	50% charge	90% charge	Limit (A/m)
Left				614				1.63
Right				614				1.63
Front				614				1.63
Rear				614				1.63
Top				614				1.63
Bottom				614				1.63

Test distance: 4cm (Estimated value)

Test position	E-Field Level (V/m) @15W				H-Field Level (A/m) @15W			
	10% charge	50% charge	90% charge	Limit (V/m)	10% charge	50% charge	90% charge	Limit (A/m)
Left				614				1.63
Right				614				1.63
Front				614				1.63
Rear				614				1.63
Top				614				1.63
Bottom				614				1.63

Test distance: 6cm (Measure value)

Test position	E-Field Level (V/m) @15W				H-Field Level (A/m) @15W			
	10% charge	50% charge	90% charge	Limit (V/m)	10% charge	50% charge	90% charge	Limit (A/m)
Left	1.357	1.405	1.298	614	0.083	0.095	0.081	1.63
Right	2.041	2.314	1.995	614	0.107	0.12	0.101	1.63
Front	1.012	0.985	1.146	614	0.052	0.049	0.061	1.63
Rear	2.158	2.035	2.012	614	0.135	0.128	0.126	1.63
Top	4.385	3.976	3.985	614	0.241	0.218	0.223	1.63
Bottom	3.496	3.153	3.217	614	0.189	0.179	0.181	1.63

Test distance: 8cm (Measure value)

Test position	E-Field Level (V/m) @15W				H-Field Level (A/m) @15W			
	10% charge	50% charge	90% charge	Limit (V/m)	10% charge	50% charge	90% charge	Limit (A/m)
Left	1.135	1.205	1.105	614	0.067	0.079	0.072	1.63
Right	1.856	2.098	1.986	614	0.094	0.113	0.102	1.63
Front	0.871	0.917	0.842	614	0.032	0.042	0.039	1.63
Rear	2.185	2.101	1.805	614	0.108	0.116	0.093	1.63
Top	3.856	3.845	3.914	614	0.197	0.207	0.221	1.63
Bottom	2.943	3.058	2.986	614	0.164	0.174	0.168	1.63

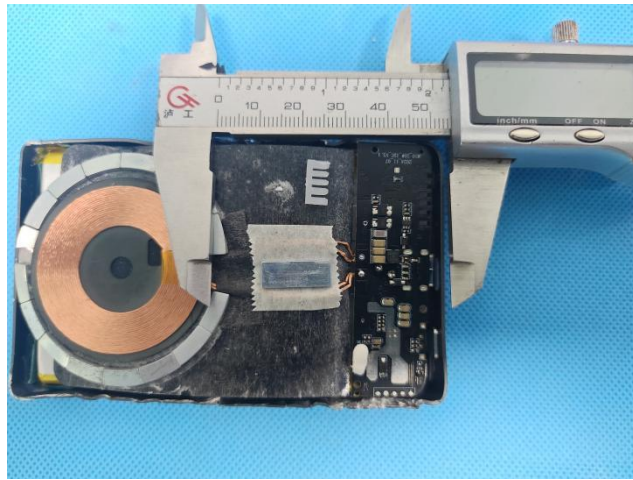
Test distance: 10cm (Measure value)

Test position	E-Field Level (V/m) @15W				H-Field Level (A/m) @15W			
	10% charge	50% charge	90% charge	Limit (V/m)	10% charge	50% charge	90% charge	Limit (A/m)
Left	0.983	1.245	1.275	614	0.046	0.063	0.065	1.63
Right	1.425	1.523	1.462	614	0.083	0.091	0.085	1.63
Front	0.895	0.845	0.795	614	0.039	0.038	0.031	1.63
Rear	1.685	1.736	1.324	614	0.093	0.104	0.082	1.63
Top	2.142	2.264	1.963	614	0.138	0.145	0.128	1.63
Bottom	1.753	1.698	1.624	614	0.108	0.103	0.095	1.63

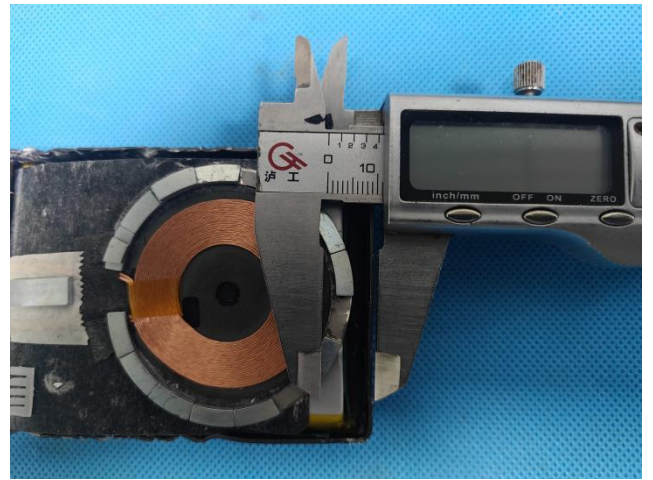
Test distance: 20cm (Measure value)

Test position	E-Field Level (V/m) @15W				H-Field Level (A/m) @15W			
	10% charge	50% charge	90% charge	Limit (V/m)	10% charge	50% charge	90% charge	Limit (A/m)
Left	0.815	0.867	0.798	614	0.038	0.039	0.037	1.63
Right	0.789	0.808	0.768	614	0.036	0.037	0.036	1.63
Front	0.712	0.734	0.737	614	0.033	0.034	0.034	1.63
Rear	0.753	0.761	0.775	614	0.035	0.036	0.035	1.63
Top	0.813	0.814	0.801	614	0.038	0.038	0.037	1.63
Bottom	0.808	0.816	0.783	614	0.037	0.038	0.036	1.63

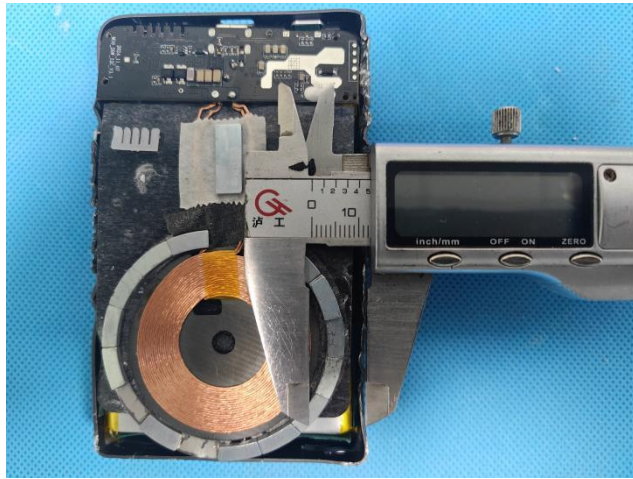
A:54mm



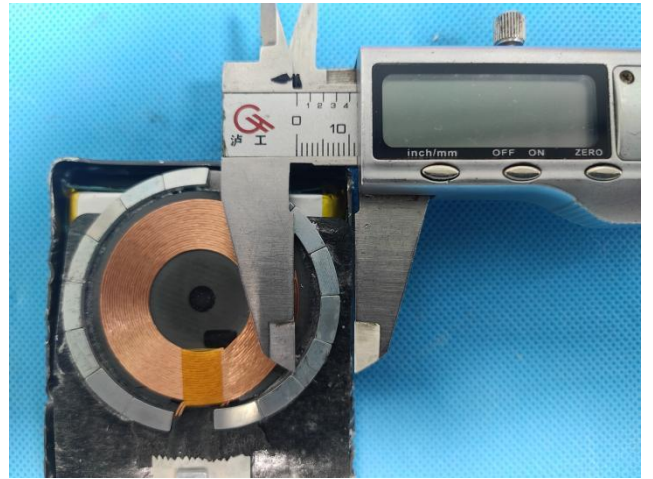
B:11mm



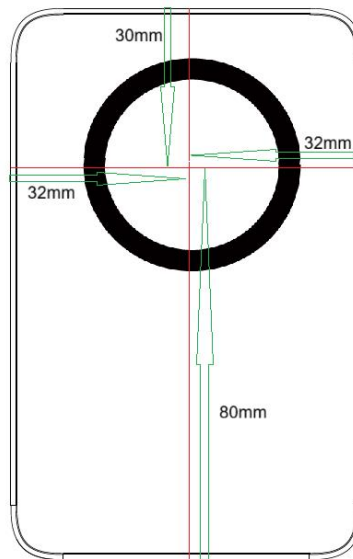
C:12mm



D:12mm



5. TEST SETUP PHOTOS



-----End of report -----