



FCC TEST REPORT

FCC ID: 2BVP9-J25

On Behalf of

Jingxi Box(Shenzhen)Intelligent Technology Co., LTD

Smart All-Area Intercom

Model No.: J25

Prepared for : Jingxi Box(Shenzhen)Intelligent Technology Co., LTD
Address : Room 201-D3, No. 283 Taoyuan Road, Nanshan District, Shenzhen,
Guangdong, China

Prepared By : Shenzhen PSI Testing Co., Ltd.
Address : 1-2/F., Building 5, Yudafu Industrial Park, No.10, Xingye West Road,
Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

Report Number : psi2603196-C01-R04
Date of Receipt : March 24, 2026
Date of Test : March 24, 2026–April 21, 2026
Date of Report : April 21, 2026
Version Number : V0

TABLE OF CONTENTS

	Description	Page
1.	Test Result Summary	5
2.	EUT Description	6
2.1.	DESCRIPTION OF DEVICE (EUT)	6
2.2.	ACCESSORIES OF DEVICE (EUT)	7
2.3.	TESTED SUPPORTING SYSTEM DETAILS	7
2.4.	BLOCK DIAGRAM OF CONNECTION BETWEEN EUT AND SIMULATORS	7
2.5.	DESCRIPTION OF TEST MODES	8
2.6.	TEST CONDITIONS	8
2.7.	TEST FACILITY	9
2.8.	MEASUREMENT UNCERTAINTY	9
3.	Test Results and Measurement Data	10
3.1.	RF EXPOSURE TEST	10
4.	Photos of test setup	18

TEST REPORT DECLARATION

Applicant : Jingxi Box(Shenzhen)Intelligent Technology Co., LTD
Address : Room 201-D3, No. 283 Taoyuan Road, Nanshan District, Shenzhen, Guangdong, China
Manufacturer : Jingxi Box(Shenzhen)Intelligent Technology Co., LTD
Address : Room 201-D3, No. 283 Taoyuan Road, Nanshan District, Shenzhen, Guangdong, China
EUT Description : Smart All-Area Intercom
(A) Model No. : J25
(B) Trademark : N/A

Measurement Standard Used:

FCC CFR 47 PART 1, FCC CFR 47 part1, 1.1307(b), 1.1310, 2.1093

KDB 680106 D01 Wireless Power Transfer v04

Test Result: PASS

The device described above is tested by Shenzhen PSI Testing Co., Ltd. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The test results are contained in this test report and Shenzhen PSI Testing Co., Ltd. is assumed full responsibility for the accuracy and completeness test. Also, this report shows that the EUT is technically compliant with the KDB 680106 D01 requirements.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen PSI Testing Co., Ltd.

Tested by (name + signature).....:

Felix Pang
Test Engineer


.....

Approved by (name + signature).....:

Simple Guan
Project Manager


.....

Date of issue.....:

April 21, 2026

Revision History

Revision	Issue Date	Revisions	Revised By
V0	April 21, 2026	Initial released Issue	Felix Pang

1. Test Result Summary

Requirement	CFR 47 Section	Result
RF EXPOSURE	§1.1307(b)(1), §1.1310, §2.1093 & KDB680106 D01	PASS

Note:

1. PASS: Test item meets the requirement.
2. Fail: Test item does not meet the requirement.
3. N/A: Test case does not apply to the test object.
4. The test result judgment is decided by the limit of test standard.
5. Decision rules for the conclusion of this test report: decision by actual test data without considering measurement uncertainty.

2. EUT Description

2.1. Description of Device (EUT)

EUT Name : Smart All-Area Intercom
Model No. : J25
DIFF. : N/A
Power supply : Type-C input/output: 22.5W
USB-A output: DC 5V 2A
Wireless output: 10W
Battery Capacity: 3.7V, 10000mAh (37Wh)

Radio Technology : Wireless power transmission systems

Operation frequency : WPT(Phone): 115-205KHz

Modulation : MSK

Antenna Type : Coil Antenna

Software version : N/A

Hardware version : N/A

Note :
1. Antenna information is provided by applicant.
Testing lab is not responsible for the accuracy of the information.
2. When the product is only used for wireless magnetic charging of mobile phones, it is in a portable state.

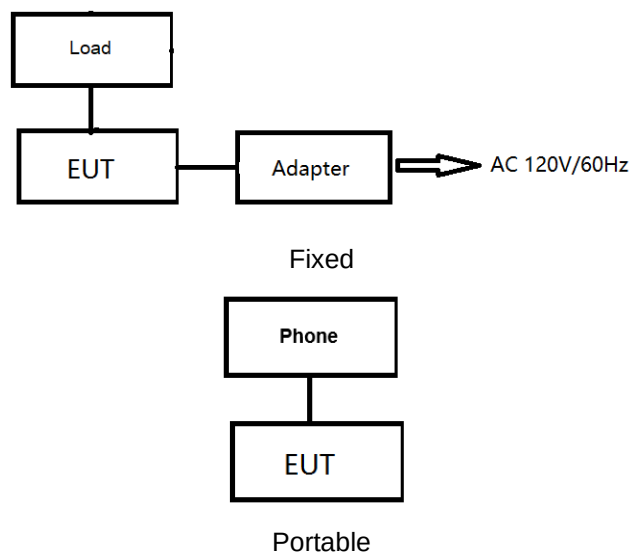
2.2. Accessories of Device (EUT)

Accessories	:	N/A
Manufacturer	:	N/A
Model	:	N/A
specifications	:	N/A

2.3. Tested Supporting System Details

No.	Description	Manufacturer	Model	Serial Number	Certification
1	Load	N/A	N/A	N/A	N/A
2	mobile phones	XIAOMI	XIAOMI 15	N/A	N/A
3	Adapter	Baseus	CCXFK65CC	N/A	N/A
4	N/A	N/A	N/A	N/A	N/A
5	N/A	N/A	N/A	N/A	N/A
6	N/A	N/A	N/A	N/A	N/A

2.4. Block Diagram of connection between EUT and simulators



2.5. Equipment Approval Considerations

The EUT does comply with KDB 680106 D01 as follow table.

Requirements of KDB 680106 D01	Yes/No	Description
Mobile Device and Portable Device Configurations	Yes	Portable Device
Equipment Authorization Procedures for Devices Operating at Frequencies Below 4 MHz	Yes	The device operate in the frequency range 115KHz~205kHz and 360kHz

2.6. Description of Test Modes

Fixed type:

Mode	Test mode description
※1	Charging + Wireless Output(Phone): 10W
2	Wireless Output(Phone): 10W

Note: The client operating modes have been tested and only display data for the worst-case scenario Mode 1 of the client battery status.

Portable type:

Mode	Test mode description
※1	Phone charging port (Battery Status:≤1%)
2	Phone charging port (Battery Status:50%)
3	Phone charging port (Battery Status:≥98%)
4	No Load

Note: The client operating modes (client battery status 1%, 50%, 99%) have been tested and only display data for the worst-case scenario Mode 1 of the client battery status.

2.7. Test Conditions

Items	Required	Actual
Temperature range:	15-35°C	26°C
Humidity range:	25-75%	54%
Pressure range:	86-106kPa	101kPa

2.8. Test Facility

Shenzhen PSI Testing Co., Ltd.

1-2/F., Building 5, Yudafu Industrial Park, No.10, Xingye West Road, Shajing Subdistrict, Bao'an District, Shenzhen, Guangdong, China

September 13, 2023 File on Federal Communication Commission

Registration Number: 916281

2.9. Measurement Uncertainty

(95% confidence levels, $k=2$)

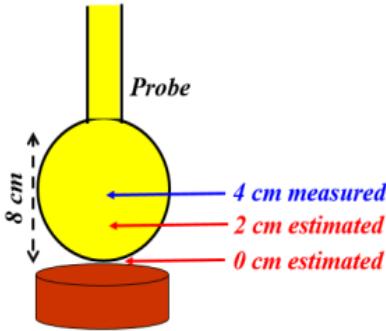
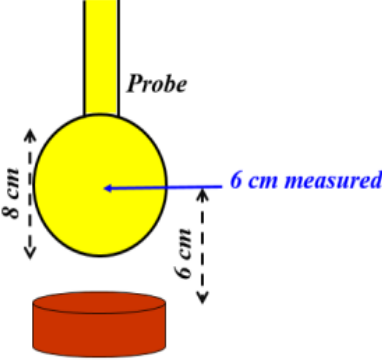
Item	Uncertainty
Uncertainty for H-Field	2.39dB
Uncertainty for E-Field	2.45dB
Uncertainty for conducted RF Power	0.65dB
Uncertainty for temperature	0.2°C
Uncertainty for humidity	1%
Uncertainty for DC and low frequency voltages	0.06%

3. Test Results and Measurement Data

3.1. RF EXPOSURE TEST

3.1.1. Test Specification

Test Requirement:	FCC Rules and Regulations KDB680106																																																																	
Test Method:	According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines. According to §1.1310 and §2.1093 RF exposure is calculated. According KDB680106 D01: KDB 680106 D01 Wireless Power Transfer v04.																																																																	
Limits:	According to the item 3 of KDB 680106 D01v04: Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF exposure evaluation. (1) Mobile Device and Portable Device Configurations (2) Equipment Authorization Procedures for Devices Operating at Frequencies Below 4 MHz (3) The aggregate H-field strengths anywhere at (0/2/4/6/8/10/12/14/16/18/20cm) surrounding the device six surfaces. 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) <table><thead><tr><th>Frequency range (MHz)</th><th>Electric field strength (V/m)</th><th>Magnetic field strength (A/m)</th><th>Power density (mW/cm²)</th><th>Averaging time (minutes)</th></tr></thead><tbody><tr><td colspan="5">(A) Limits for Occupational/Controlled Exposures</td></tr><tr><td>0.3-3.0</td><td>614</td><td>1.63</td><td>*(100)</td><td>6</td></tr><tr><td>3.0-30</td><td>1842/f</td><td>4.89/f</td><td>*(900/f²)</td><td>6</td></tr><tr><td>30-300</td><td>61.4</td><td>0.163</td><td>1.0</td><td>6</td></tr><tr><td>300-1500</td><td>/</td><td>/</td><td>f/300</td><td>6</td></tr><tr><td>1500-100,000</td><td>/</td><td>/</td><td>5</td><td>6</td></tr><tr><td colspan="5">(B) Limits for General Population/Uncontrolled Exposure</td></tr><tr><td>0.3-1.34</td><td>614</td><td>1.63</td><td>*(100)</td><td>30</td></tr><tr><td>1.34-30</td><td>824/f</td><td>2.19/f</td><td>*(180/f²)</td><td>30</td></tr><tr><td>30-300</td><td>27.5</td><td>0.073</td><td>0.2</td><td>30</td></tr><tr><td>300-1500</td><td>/</td><td>/</td><td>f/1500</td><td>30</td></tr><tr><td>1500-100,000</td><td>/</td><td>/</td><td>1.0</td><td>30</td></tr></tbody></table> F=frequency in MHz *=Plane-wave equivalent power density RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).	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 Exposures					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	300-1500	/	/	f/300	6	1500-100,000	/	/	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	300-1500	/	/	f/1500	30	1500-100,000	/	/	1.0	30
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 Exposures																																																																		
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																																																														
300-1500	/	/	f/300	6																																																														
1500-100,000	/	/	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																																																														
300-1500	/	/	f/1500	30																																																														
1500-100,000	/	/	1.0	30																																																														
Test Setup:																																																																		

	Figure 1  Figure 2 
Test Mode:	Communication Mode (Mobile phone will be charged at zero charge, intermediate charge, and full charge.)
Test Procedure:	1) The RF exposure test was performed in anechoic chamber. 2) 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. 3) The highest emission level was recorded and compared with limit as soon as measurement of each point (A, B, C, D, E, F) were completed. 4) The EUT was measured according to the dictates of KDB 680106 D01v04. 5) Large size probes may prevent the measurement of E- and/or H-fields near the surface of the radiating structure (e.g., a WPT source coil), as in the example shown in Figure 2. These estimates shall include points spaced no more than 2 cm from each other. Thus, in the example of Figure 2, at least the estimates at 0 cm and 2 cm are required, while only one point would not be sufficient. In addition, the model needs to be validated through the probe measurements for the two closest points to the device surface, and with 2-cm increments, as indicated in Figure 2. In that example, the same model must also be applied to the 4 cm and 6 cm positions, and then compared with the measured data, for validation purposes. The validation is considered sufficient if a 30% agreement between the model and the (E- and/or H-field) probe measurements is demonstrated. If such a level of agreement cannot be shown, a more accurate model (and/or a smaller probe) shall be used.
Test Result:	PASS

3.1.2. Test Instruments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Exposure Level Tester	narda	ELT-400	O-0729	2025.05.22	1 Year
2	Magnetic field probe 100cm2	narda	ELT probe 100cm2	M-2116	2025.05.22	1 Year

Note: The probe radius is 8 cm

3.1.3. Test data

Portable type: Phone Magnet Wireless=15W

The probe radius is 8 cm.

E-Field Strength at 8/10/12/14/16/18/20cm from the edges surrounding the EUT

Charging Battery Level	Measured Distance (cm)	Measured E-Field Strength Values (V/m)						FCC E-Field Strength Limits (V/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	
99%	8	15.433	19.814	17.797	22.920	25.035	25.425	614
50%	8	18.651	19.476	20.858	23.353	25.332	24.256	614
1%	8	17.511	20.093	19.874	25.465	25.713	25.534	614
99%	10	15.013	15.765	17.771	21.097	20.659	22.139	614
50%	10	14.974	18.257	16.968	22.459	23.511	23.635	614
1%	10	17.632	17.078	18.402	22.947	25.316	22.660	614
99%	12	13.414	16.741	15.755	17.549	19.472	19.118	614
50%	12	13.702	16.532	15.397	19.855	21.714	20.800	614
1%	12	14.945	15.665	16.468	19.950	22.445	19.524	614
99%	14	12.620	13.367	14.077	16.916	18.293	16.538	614
50%	14	13.331	13.699	13.499	17.680	16.952	18.163	614
1%	14	13.261	15.121	14.540	16.084	18.572	18.869	614
99%	16	11.349	11.098	12.082	13.772	12.570	14.691	614
50%	16	10.392	12.043	11.152	15.152	13.958	15.834	614
1%	16	11.113	13.667	14.791	15.815	16.320	14.754	614
99%	18	10.373	9.379	10.121	12.373	12.030	10.002	614
50%	18	10.199	9.251	12.074	9.869	11.472	12.257	614
1%	18	11.788	9.604	10.563	11.912	15.236	13.363	614
99%	20	8.814	7.842	8.507	8.303	7.451	7.614	614
50%	20	9.857	9.573	10.496	8.730	10.388	7.945	614
1%	20	10.459	8.478	9.365	10.061	12.021	8.930	614

Note: V/m= A/m *377

H-Field Strength at 8/10/12/14/16/18/20cm from the edges surrounding the EUT

Charging Battery Level	Measured Distance (cm)	Unit	Measured H-Field Strength Values (A/m)						FCC H-Field Strength Limits (A/m)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	
99%	8	uT	0.209	0.152	0.113	0.261	0.252	0.247	--
99%	8	A/m	0.167	0.121	0.091	0.209	0.201	0.197	1.63
50%	8	uT	0.198	0.277	0.175	0.131	0.128	0.140	--
50%	8	A/m	0.158	0.221	0.140	0.105	0.102	0.112	1.63
1%	8	uT	0.153	0.180	0.191	0.293	0.286	0.224	--
1%	8	A/m	0.123	0.144	0.153	0.234	0.228	0.179	1.63
99%	10	uT	0.225	0.175	0.192	0.258	0.280	0.165	--
99%	10	A/m	0.180	0.140	0.153	0.207	0.224	0.132	1.63
50%	10	uT	0.141	0.250	0.183	0.168	0.208	0.157	--
50%	10	A/m	0.113	0.200	0.147	0.134	0.166	0.126	1.63
1%	10	uT	0.242	0.161	0.161	0.214	0.211	0.236	--
1%	10	A/m	0.194	0.129	0.129	0.171	0.169	0.189	1.63
99%	12	uT	0.274	0.217	0.175	0.296	0.225	0.327	--
99%	12	A/m	0.219	0.174	0.140	0.237	0.180	0.262	1.63
50%	12	uT	0.318	0.186	0.154	0.255	0.248	0.191	--
50%	12	A/m	0.254	0.149	0.123	0.204	0.199	0.153	1.63
1%	12	uT	0.140	0.235	0.291	0.139	0.121	0.146	--
1%	12	A/m	0.112	0.188	0.233	0.111	0.096	0.117	1.63
99%	14	uT	0.224	0.231	0.226	0.185	0.190	0.262	--
99%	14	A/m	0.179	0.184	0.181	0.148	0.152	0.209	1.63
50%	14	uT	0.128	0.243	0.102	0.300	0.248	0.174	--
50%	14	A/m	0.102	0.194	0.082	0.240	0.199	0.140	1.63
1%	14	uT	0.160	0.174	0.281	0.246	0.168	0.198	--
1%	14	A/m	0.128	0.139	0.225	0.196	0.135	0.159	1.63
99%	16	uT	0.209	0.187	0.159	0.121	0.178	0.268	--
99%	16	A/m	0.167	0.150	0.127	0.097	0.143	0.214	1.63
50%	16	uT	0.294	0.262	0.191	0.173	0.229	0.209	--
50%	16	A/m	0.235	0.209	0.153	0.138	0.183	0.167	1.63
1%	16	uT	0.195	0.252	0.201	0.290	0.184	0.277	--
1%	16	A/m	0.156	0.202	0.161	0.232	0.147	0.221	1.63
99%	18	uT	0.243	0.162	0.186	0.337	0.218	0.160	--
99%	18	A/m	0.194	0.130	0.149	0.269	0.175	0.128	1.63
50%	18	uT	0.212	0.154	0.307	0.151	0.125	0.136	--
50%	18	A/m	0.170	0.123	0.246	0.121	0.100	0.109	1.63
1%	18	uT	0.263	0.170	0.204	0.196	0.221	0.144	--
1%	18	A/m	0.210	0.136	0.164	0.156	0.177	0.115	1.63
99%	20	uT	0.129	0.121	0.253	0.177	0.201	0.185	--
99%	20	A/m	0.103	0.096	0.202	0.141	0.161	0.148	1.63
50%	20	uT	0.193	0.260	0.155	0.195	0.176	0.265	--
50%	20	A/m	0.154	0.208	0.124	0.156	0.141	0.212	1.63

1%	20	uT	0.167	0.124	0.184	0.247	0.308	0.212	--
1%	20	A/m	0.134	0.099	0.147	0.197	0.246	0.170	1.63

Note: $A/m = uT/1.25$

According to the formula:

The formula for the magnetic field strength at a distance r from the coil is

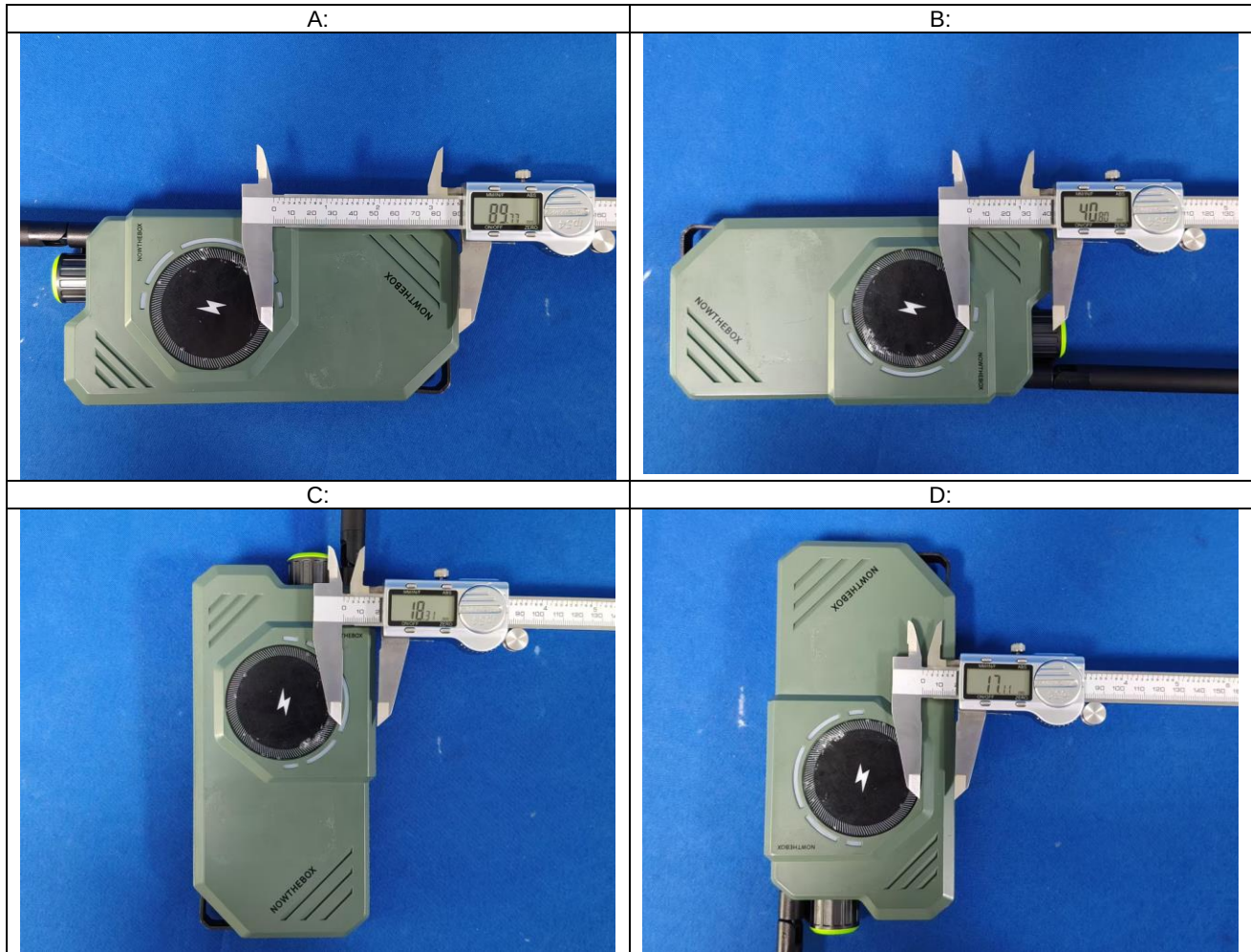
$$H = I/(2\pi r) * \mu$$

H is A/m

I is the current intensity

μ is the permeability, and its value depends on the medium.

The other parameters are fixed, so H is inversely proportional to r .



ABCDEF direction The actual distance(r) to the antenna coil.

measured distance(cm)	Actual distance r to the antenna (cm)					
	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F
20	24.610	24.805	21.331	21.281	21.049	23.128
18	22.921	22.882	19.260	19.303	18.787	21.028
16	20.916	20.836	16.975	17.241	16.728	18.869
14	18.816	18.985	15.339	15.070	14.686	16.666
12	16.603	16.692	13.135	13.089	12.741	15.106
10	14.869	15.008	11.052	11.294	10.905	13.080
8	12.650	12.628	9.029	8.972	8.682	10.734
6	10.833	10.804	7.095	7.129	6.942	8.821
4	8.605	8.816	5.141	5.268	4.900	6.749
2	6.970	7.036	2.927	3.096	2.797	4.959
0	4.930	4.878	1.172	1.270	0.855	3.008

Note: The phone is 8.35mm thick.

The result is calculated by the above formula:

H-Field Strength at 0/2/4/6cm from the edges surrounding the EUT

Charging Battery Level	Measured Distance (cm)	Unit	Measured H-Field Strength Values (A/m)						FCC H-Field Strength Limits (A/m)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	
1%	0	A/m	0.270	0.759	0.928	0.387	1.263	1.268	1.63
50%	0	A/m	0.322	0.716	0.697	0.547	1.037	1.129	1.63
99%	0	A/m	0.317	0.483	0.789	0.373	0.757	0.732	1.63
1%	2	A/m	0.120	0.482	0.325	0.092	0.294	0.249	1.63
50%	2	A/m	0.229	0.425	0.362	0.224	0.426	0.335	1.63
99%	2	A/m	0.331	0.380	0.406	0.220	0.284	0.310	1.63
1%	4	A/m	0.250	0.249	0.444	0.317	0.382	0.211	1.63
50%	4	A/m	0.334	0.334	0.293	0.201	0.246	0.087	1.63
99%	4	A/m	0.250	0.269	0.271	0.234	0.339	0.286	1.63
1%	6	A/m	0.094	0.197	0.286	0.286	0.218	0.180	1.63
50%	6	A/m	0.195	0.315	0.250	0.092	0.316	0.088	1.63
99%	6	A/m	0.178	0.158	0.168	0.108	0.151	0.228	1.63

Fixed type: Phone Wireless(Out) = 5W:

E-Field Strength at 20 cm for position A, B, C, D, E from the edges surrounding the EUT (V/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Limits Test (V/m)
0.115-0.205	3.98	4.51	4.37	4.65	3.98	614

H-Filed Strength at 20 cm for position A, B, C, D, E from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Limits Test (A/m)
0.115-0.205	0.42	0.35	0.27	0.43	0.36	1.63
uT	0.52	0.39	0.34	0.58	0.42	/

Note: uT to A/m: $A/m = uT/1.25$ **3.1.4. Conclusion****Portable type:**

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.

Fixed type:

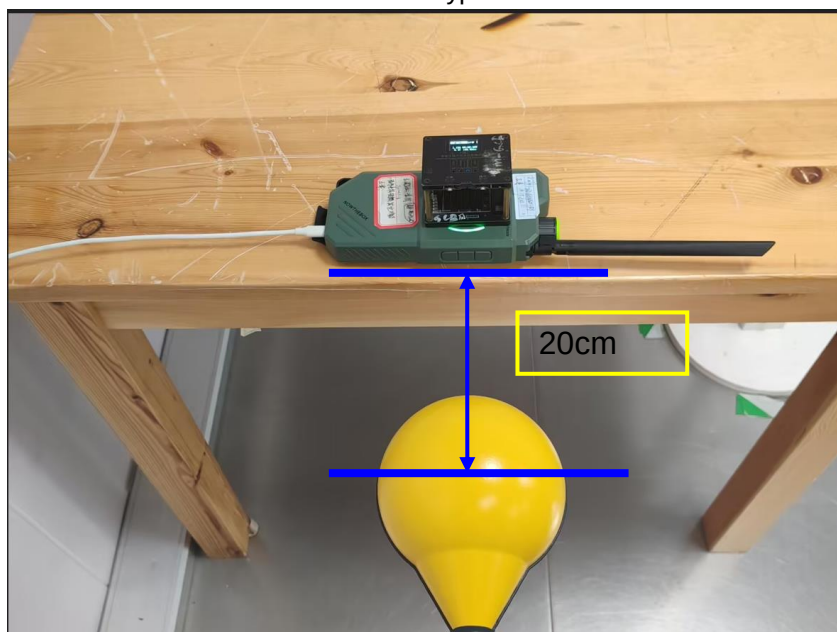
The detected emissions are below the limitations according FCC KDB 680106. The E-field and H-field strengths at 10 cm surrounding the device from all simultaneous transmitting coils are demonstrated to be less than 30% of the MPE limit.

4. Photos of test setup

Portable type



Fixed type



-----END OF REPORT-----