

TEST REPORT

Report No.	CISRR25082620502
Project No.	CISR250826205
FCC ID	2BGF5-X16
Applicant	Shenzhen Jishiyu Technology Co.. Ltd.
Address	306, 3rd Floor, Building 5, Baimengian industrial Park, Shawan, NarwanStreet, LonggangDistrict, Shenzhen, China.
Manufacturer	Shenzhen Jishiyu Technology Co.. Ltd.
Address	306, 3rd Floor, Building 5, Baimengian industrial Park, Shawan, NarwanStreet, LonggangDistrict, Shenzhen, China.
Product Name	Vehicle wireless charging bracket
Trademark	N/A
Model/Type reference	X16
Listed Model(s)	X16s, X15, X15s, X14, X14s
Standard	FCC KDB publication 680106 D01 Wireless Power Transfer v04 FCC CFR 47 part1 1.1310 FCC CFR 47 part2 2.1091
Test date	August 26, 2025 to August 29, 2025
Issue date	September 1, 2025
Test result	Complied

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The test results relate only to the tested samples.

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1. REPORT VERSION

Version No.	Issue date	Description
00	September 1, 2025	Original

2. TEST DESCRIPTION

No.	Test Item	Standard Requirement	Result
1	Field Strength	FCC KDB publication 680106 D01 Wireless Power Transfer v04 FCC CFR 47 part1 1.1310 FCC CFR 47 part2 2.1091	Pass

Note:

- The measurement uncertainty is not included in the test result.

3. SUMMARY

3.1. Product Description *

Main unit information:	
Product Name:	Vehicle wireless charging bracket
Trade Mark:	N/A
Model No.:	X16
Listed Model(s):	X16s, X15, X15s, X14, X14s
Model difference:	The series model is the same product.,with only only different models and looks,and the internal principle of the motherboard is the same.
Power supply:	Input: DC 5V/2A,9V/1.67A,12V/1.67A Output power: 15W,10W,7.5W,5W
Hardware version:	N/A
Software version:	N/A
Accessory unit (AU) information:	
Battery:	N/A

3.2. Radio Specification Description *

Technology:	Wireless Charging
Modulation:	Continuous Wave
Operation frequency:	110.1kHz-205kHz
Antenna type:	Coil antenna
Antenna gain:	0dBi

3.3. Modification of EUT

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

3.4. Deviation from standards

None

3.5. 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

4. TEST CONFIGURATION

4.1. 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.	

4.2. 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	Adpater	-	SG-0501000AU
2	RX Full - function Test Module 3rd Generation	-	EESON-RX-3

4.3. Test sample information

Type	Sample No.
Normal sample	CISR250826205-1

4.4. Environmental conditions

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

4.5. 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 $k=1.96$.

4.6. 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

5. TEST RESULTS

5.1. Reference

ANSI C95.1–1999: IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.

FCC KDB publication 447498 D01 General 1 RF Exposure Guidance v06: Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies.

FCC CFR 47 part1 1.1310: Radio frequency radiation exposure limits.

FCC CFR 47 part2 2.1091: Radio frequency radiation exposure evaluation: mobile devices

FCC KDB publication 680106 D01 RF Exposure Wireless Charging Apps v04: RF Exposure Considerations for Low Power Consumer Wireless Power Transfer Applications

5.2. Limit

Limits for Maximum Permissible Exposure (MPE)/Controlled Exposure

Frequency Range(MHz)	Electric Field Strength(V/m)	Magnetic Field Strength(A/m)	Power Density (mW/cm ²)	Averaging Time (minute)
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 – 1500	/	/	f/300	6
1500–100,000	/	/	5	6

Limits for Maximum Permissible Exposure (MPE)/Uncontrolled Exposure

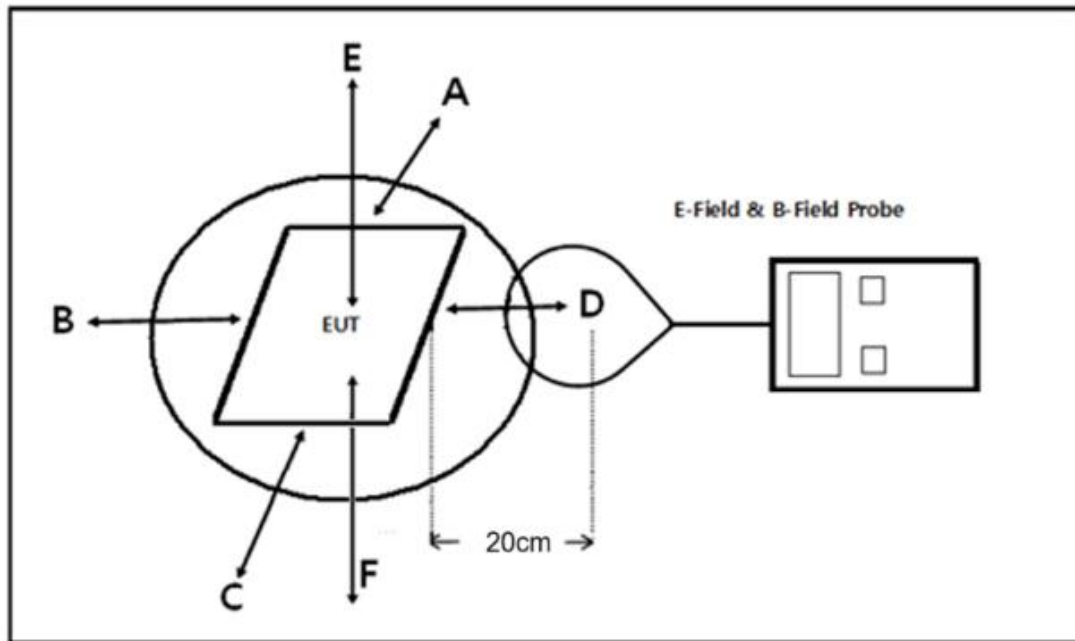
Frequency Range(MHz)	Electric Field Strength(V/m)	Magnetic Field Strength(A/m)	Power Density (mW/cm ²)	Averaging Time (minute)
Limits for Occupational/Controlled Exposure				
0.3 – 3.0	614	1.63	(100) *	30
3.0 – 30	824/f	2.19/f	(180/f ²)*	30
30 – 300	27.5	0.073	0.2	30
300 – 1500	/	/	f/1500	30
1500 – 100,000	/	/	1.0	30

F=frequency in MHz, *=Plane-wave equivalent power density

Per the guidance of KDB 680106, the E-field and H-field limits shown in the table above are extended down to 100kHz

5.3. RF Exposure evaluation for WPT

5.3.1. Test Setup Diagram



5.3.2. Measurement Procedure

- 1) The RF exposure test was performed on 360 degree turn table in anechoic chamber.
- 2) The measurement probe was placed at test distance (20cm) which is between the edges of the charger and the geometric center of probe.
- 3) The turn table was rotated 360 degree to search of highest strength.
- 4) The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E) were completed.
- 5) The EUT were measured according to the dictates of KDB 680106D01v04.

5.3.3. Equipment Approval Considerations

Requirements of KDB 680106 D01	Yes / No	Description
Power transfer frequency is less than 1 MHz	Yes	The device operate in the frequency range 110.1kHz -205kHz
The output power from each transmitting element (e.g., coil) is less than or equal to 15 watts.	Yes	The maximum output power of the primary coil is 15W.
A client device providing the maximum permitted load is placed in physical contact with the transmitter (i.e., the surfaces of the transmitter and client device enclosures need to be in physical contact)	Yes	Client device is placed directly in contact with the transmitter.
Only § 2.1091-Mobile exposure conditions apply (i.e., this provision does not cover § 2.1093-Portable exposure conditions).	Yes	EUT is a mobile device
The E-field and H-field strengths, at and beyond 20 cm surrounding the device surface, are demonstrated to be less than 50% of the applicable MPE limit, per KDB 447498, Table 1. These measurements shall be taken along the principal axes of the device, with one axis oriented along the direction of the estimated maximum field strength, and for three points per axis or until a 1/d (inverse distance from the emitter structure) field strength decay is observed. Symmetry considerations may be used for test reduction purposes. The device shall be operated in documented worst-case compliance scenarios (i.e., the ones that lead to the maximum field components), and while all the radiating structures (e.g., coils or antennas) that by design can simultaneously transmit are energized at their nominal maximum power.	Yes	Fulfil requirements
For systems with more than one radiating structure, the conditions specified in (5) must be met when the system is fully loaded (i.e., clients absorbing maximum power available), and with all the radiating structures operating at maximum power at the same time, as per design conditions. If the design allows one or more radiating structures to be powered at a higher level while other radiating structures are not powered, then those cases must be tested as well. For instance, a device may use three RF coils powered at 5 W, or one coil powered at 15 W: in this case, both scenarios shall be tested.	Yes	EUT has only one coil

5.3.4. Test Result

H-Field Strength at 20 cm from the edges surrounding the EUT and 20cm from the top surface of the EUT

Test mode	Field Strength	Measurement data / Test Position					50% Limits	Result
		A	B	C	D	E		
10	uT	0.127	0.139	0.143	0.128	0.144	-	-
	H Field Strength (A/m)	0.102	0.111	0.115	0.102	0.115	0.815	Pass
	E Field Strength (V/m)	38.886	16.197	43.288	38.402	42.865	307.0	Pass
11	uT	0.128	0.134	0.142	0.126	0.143	-	-
	H Field Strength (A/m)	0.102	0.107	0.114	0.101	0.114	0.815	Pass
	E Field Strength (V/m)	38.714	40.976	43.148	38.223	42.582	307.0	Pass
12	uT	0.123	0.134	0.141	0.123	0.141	-	-
	H Field Strength (A/m)	0.099	0.107	0.113	0.098	0.113	0.815	Pass
	E Field Strength (V/m)	37.677	40.666	42.546	37.299	42.521	307.0	Pass

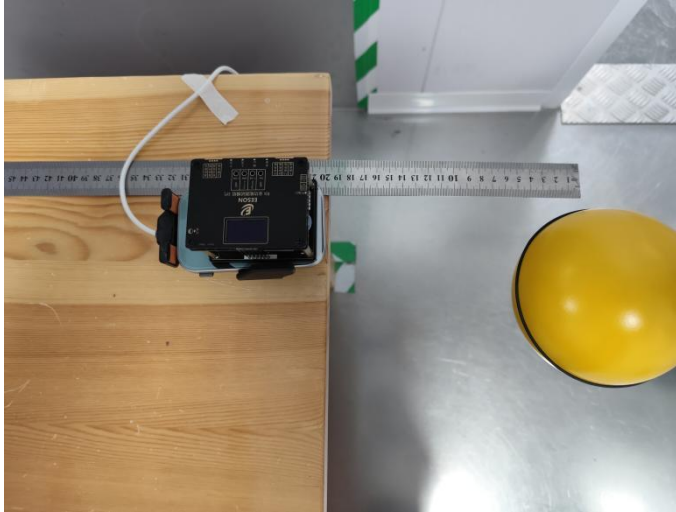
Note:

1A/m=1.25uT, 1V/m=0.00334uT

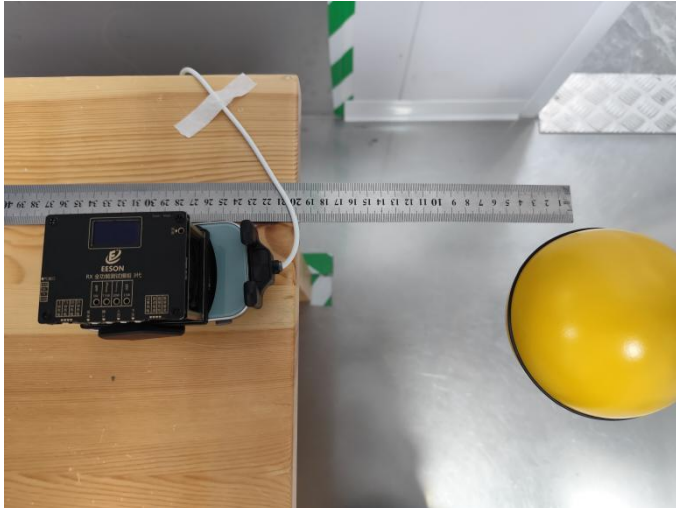
H-Field Strength at 20 cm from the edges surrounding the EUT and 20cm from the top surface of the EUT

5.3.5. Test Setup Photos

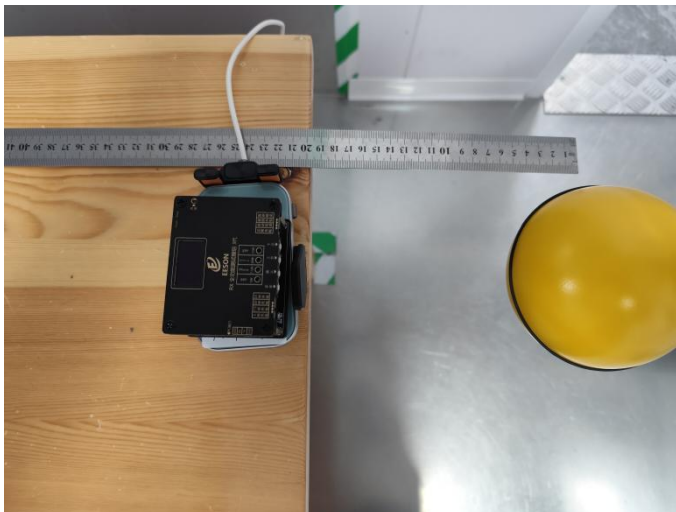
Test Position A - Exposure photo from side edge surface-Rear (20cm)



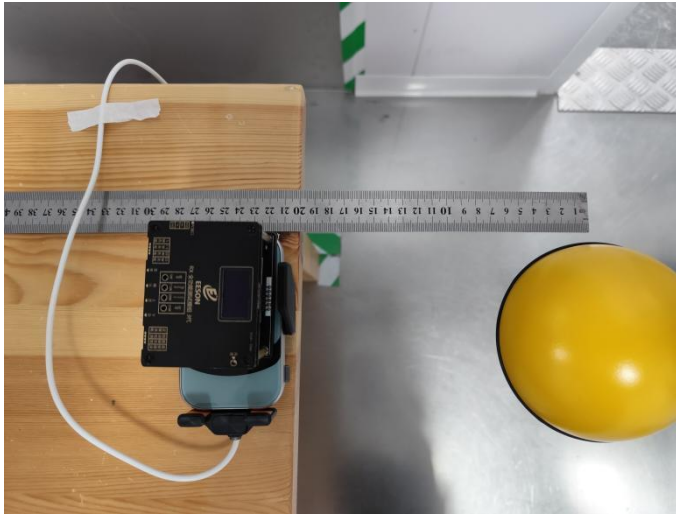
Test Position B - Exposure photo from side edge surface-Left (20cm)



Test Position C - Exposure photo from side edge surface-Front (20cm)



Test Position D - Exposure photo from side edge surface-Right (20cm)



Test Position E- Exposure photo from top surface (20cm)



5.4. RF Exposure evaluation for simultaneous transmission

Either SAR-based or MPE-based exemption may be considered for test exemption for fixed, mobile, or portable device exposure conditions; therefore, the contributions from each exemption in conjunction with the measured SAR (Evaluated_k term) should be used to determine exemption for simultaneous transmission according to Formula (C.1) [repeated from §1.1307(b)(3)(ii)(B)].

$$\sum_{i=1}^a \frac{P_i}{P_{th,i}} + \sum_{j=1}^b \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^c \frac{Evaluated_k}{Exposure Limit_k} \leq 1$$

Type	E Field Strength (V/m)	Limit (V/m)	E Field Strength / Limit	Limit	Result
WPT	43.288	307	0.141	1.0	Pass

The measurement results comply with the FCC Limit per 47 CFR 2.1091 for the uncontrolled RF Exposure of mobile device.

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