

FCC ID: 2BS5T-M26-A

Product Name:	Motorcycle phone mount
Product Model No.:	M26-A M26-A1, M26-A2, M26-A3, M23
Model Difference:	M26-A is tested model, other models are derivative models .The models are identical in circuit, only different on the model names. So the test data of M26-A can represent the remaining models.
Transmitting mode:	Keep the EUT in continuously wireless charging mode
Operation Frequency:	110.1-205kHz
Power supply:	INPUT: DC 12-24 V OUTPUT: Wireless charging: 15 W(Max) USB-C: 36 W(Max)

Test Modes:	
Mode 1	AC Adapter + Phone charging port(Battery Status: $\leq 1\%$)
Mode 2	AC Adapter + Phone charging port(Battery Status:50%)
Mode 3	AC Adapter + Phone charging port(Battery Status: $\geq 98\%$)
Mode 4	Standby
Note: All modes were tested, only the worst-case was recorded in the report. Mode 1 is the worst mode.	

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	DC POWER SUPPLY	Sophpower Electronics Co., Ltd.	DSP100-100	/	AE
E-2	Mobile phone	Xiaomi Communications Co., Ltd.	Xiaomi 13	/	AE

1 Measuring Standard

KDB 680106 D01 Wireless Power Transfer v04

2 Requirements

Requirements of section 3 of KDB 680106 D01	Yes/ No	Description
Mobile Device and Portable Device Configurations	Yes	Mobile Device
Equipment Authorization Procedures for Devices Operating at Frequencies Below 4 MHz	Yes	The device operate in the frequency range 110.1-205kHz.
RF Exposure compliance may be ensured only for a minimum conditions at smaller distances can still be considered unlikely.separation distance that is greater than 20 cm, while use	Yes	The aggregate H-field and E-field strengths anywhere at or beyond 20 cm surrounding the device, and 20 cm away from the top surface.



3 Limits

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)

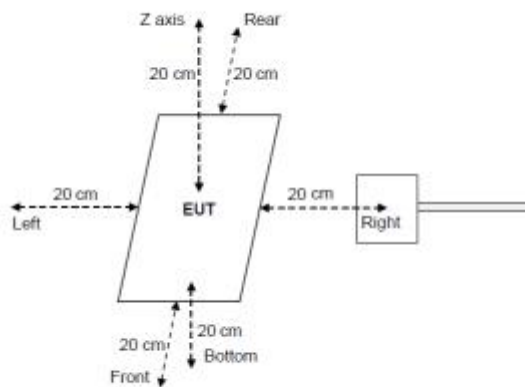
Limits for Maximum Permissible Exposure (MPE)

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

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).

4 Test Setup

For mobile exposure conditions:



5 Test Procedure

- 1) The RF exposure test was performed in anechoic chamber.
- 2) The measurement probe was placed at test distance (20 cm from all sides and 20 cm from the top) 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 points (A, B, C, D, E) were completed.
- 4) The EUT was measured according to the dictates of KDB 680106 D01 v04.

Remark: The EUT's test position A, B, C, D and E is valid for the E and H field measurements.

6 Test Instruments list

Test Equipment	Manufacturer	Model	Serial No.	Last Cal.	Next Cal.
Near-field Electric and Electric Field Sensor System	Schmid & Partner Engineering AG	MAGPy-8H3D+E3D V2	3127	September 09, 2025	September 08, 2026
Near-field Electric and Electric Field Sensor System	Schmid & Partner Engineering AG	MAGPy-DASV2	3121	September 09, 2025	September 08, 2026

7 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	H-field	$\pm 0.7\text{dB}$
2	E-field	$\pm 1.06\text{dB}$

Decision Rule

- ☒ Uncertainty is not included
☐ Uncertainty is included

**8 Test Result**

We have evaluated mode 1 to mode 4 and the worst mode 1 is showed in this report.

Charging coil	Frequency Range (MHz)	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)	50% Limits (A/m)	Limits (A/m)	test result
Phone	110.1-205	0.086	0.087	0.065	0.093	0.095	0.180	0.815	1.63	PASS

Charging coil	Frequency Range (MHz)	Test Position A (V/m)	Test Position B (V/m)	Test Position C (V/m)	Test Position D (V/m)	Test Position E (V/m)	Test Position F (V)	50% Limits (V/m)	Limits (V/m)	test result
Phone	110.1-205	0.660	0.390	0.300	0.350	0.480	2.870	307	614	PASS

9 Test Set-up Photo





