

RF Exposure Report

Report Number : **6895025119101A** Date of Issue: **2025-09-10**

Model/HVIN : **BSP3300**

Product Type : Smartphone holder and charger

Applicant : Robert Bosch GmbH

Address : Markwiesenstrasse 58, 72770, Reutlingen, Germany

Manufacturer : Robert Bosch GmbH

Address : Markwiesenstrasse 58, 72770, Reutlingen, Germany

Factory : Xiamen Intretech Inc.

Address : No. 100 Dongfu West Road, Haicang District, 361027 Xiamen,
PEOPLE'S REPUBLIC OF CHINA

Test Result : ☒ **Positive** ☐ **Negative**

Total pages including
Appendices : **7**

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1. Product information

Product Type: Smartphone holder and charger

Model No.: BSP3300

FCC ID: 2AWRC-BSP3300

Rating: Input: 5VDC, 1.5A (powered by Bosch Display Socket – BDS)
Output: 5VDC, 1.5A (USB Type-C port), 5W (wireless output)

RF Transmission Frequency: 111-150kHz

Antenna Type: Integrated coil antenna

Description of the EUT: The Equipment Under Test (EUT) is a smartphone holder and charger which operate at 111-150kHz for WPT function.

Date of receipt of order: 2025-06-25

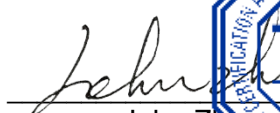
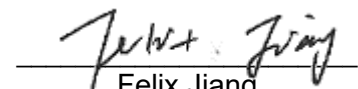
Date of receipt of test item: 2025-06-25

Date of test: 2025-06-25 to 2024-07-21

Reviewed by:

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2. Summary of Test Standard

Test Standards
FCC Part1 §1.1310 Radiofrequency radiation exposure limits.
KDB 680106 D01 Wireless Power Transfer v04 EQUIPMENT AUTHORIZATION OF WIRELESS POWER TRANSFER DEVICES

3. Test Laboratory and test Equipment List

Details about the Test Laboratory:

Company name: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park,
 Guankou Erlu, Nantou, Nanshan District,
 Shenzhen City, 518052,
 P. R. China

FCC Registration No.: 514049

FCC Designation Number: CN5009

Telephone: 86 755 8828 6998

Fax: 86 755 8828 5299

4. Equipment list

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
Electric and magnetic field probe Analyzer	NARDA	EHP-200A	68-4-27-21-001	180ZX10218	1	2026-1-22
Test software	NARDA	EHP200-TS	68-4-27-21-001-A01	02.05	N/A	N/A
Shielding Room #2	TDK	BTC	68-4-90-19-002	----	3	2025-10-15

5. Measurement Uncertainty

System Measurement Uncertainty	
Test Items	Extended Uncertainty
Uncertainty Evaluation for RF Exposure	1.45dB (Magnetic field) 1.45dB (Electric)

6. Limit and Guidelines on Exposure to Electromagnetic Fields

According to §1.1310 system operating under the provisions of this section shall be operating in a manner that the public is not exposed to radio frequency energy level in excess limit for maximum permissible exposure.

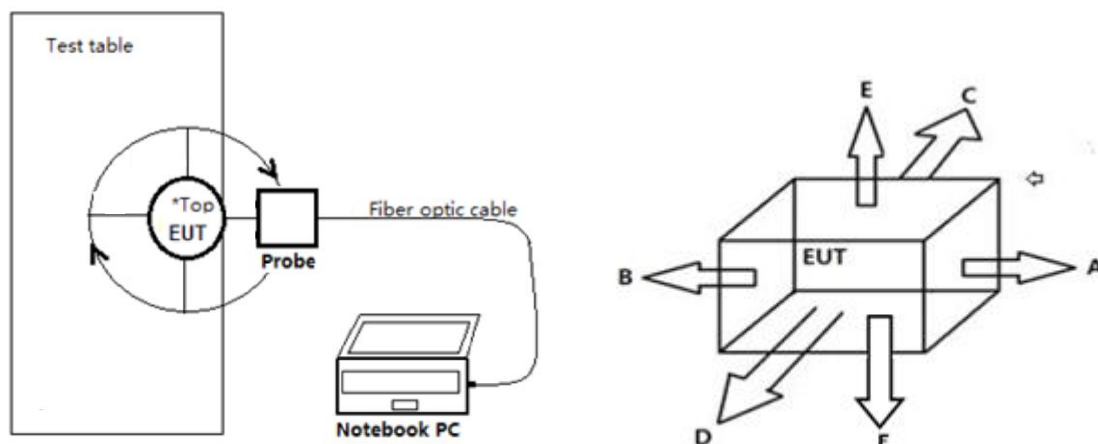
TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

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

Per the guidance of KDB 680106, the E-field and H-field limits between 100 kHz to 300 kHz are to be considered the same as those at 300 kHz in Table 1 of § 1.1310 shown in the table above, any device (both portable and mobile) operating at frequencies below 100 kHz is considered compliant for the purpose of equipment authorization when the external (unperturbed) temporal peak field strengths do not exceed the 83 V/m for the electric field strength (E) and 90 A/m for the magnetic field strength (H).

7. Test setup



The test distance between the edge of the EUT and the probe center is 20cm

8. Measurement procedure

- a) The RF exposure test was performed on the table in anechoic chamber.
- b) The measurement was investigated between the edge of the EUT and center of the field probe in the closest state.
- c) Maximum E-field and H-field measurements were made on each of six sides of the EUT that could come in contact with a user. Six sides are defined as follows: Front (A), Rear (B), Left (C), Right (D), Top (E), Bottom (F) and Bottom and Refer to the test position diagram above.
- d) According to the guidance of KDB 680106 D01 v04, test distance 20cm was the distance between the edge of the EUT and the probe center.

9. Test Result

5W wireless charging test mode:

Electric Field Emissions				
Test Position	Test Distance (cm)	Measure Value (V/m)	Limit (V/m)	Result
Front	20	0.4020	614	PASS
Rear	20	0.4403	614	PASS
Left	20	0.4225	614	PASS
Right	20	0.3947	614	PASS
Top	20	0.6039	614	PASS
Bottom	20	0.3525	614	PASS
Magnetic Field Emissions				
Test Position	Test Distance (cm)	Measure Value (A/m)	Limit (A/m)	Result
Front	20	0.0493	1.63	PASS
Rear	20	0.0506	1.63	PASS
Left	20	0.0489	1.63	PASS
Right	20	0.0508	1.63	PASS
Top	20	0.0493	1.63	PASS
Bottom	20	0.0489	1.63	PASS





Remark:

The test result compliance with §1.1310 and KDB 680106 D01 v04 requirement.

---END OF TEST REPORT---