



Maximum Permissible Exposure Evaluation

FCC ID:2BQUE-NSP2

Original Grant

Report No.	:	TBR-C-202507-0061-1
Applicant	:	Shenzhen Ideaplus industrial Ltd
Equipment Under Test (EUT)		
EUT Name	:	Station P
Model No.	:	NSP2-WW
Series Model No.	:	NSP2-BF
Brand Name	:	NONSTOP
Sample ID	:	HC-C-202507-0061-01-01#
Receipt Date	:	2025-07-14
Test Date	:	2025-07-14 to 2025-08-12
Issue Date	:	2025-08-12
Test Method	:	KDB680106 D01 Wireless Power Transfer v04
Conclusions	:	PASS
In the configuration tested, the EUT complied with the standards specified above.		
Test By	:	Rick Chen Rick Chen
Reviewed By	:	Camille Li Camille Li
Approved By	:	Ivan Su Ivan Su
<p>This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.</p>		

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Revision History

Report No.	Version	Description	Issued Date
TBR-C-202507-0061-1	Rev.01	Initial issue of report	2025-08-12



1. General Information about EUT

1.1 Client Information

Applicant	:	Shenzhen Ideaplus industrial Ltd
Address	:	Building A, ChengFong Industrial Area, Huaxing road, Dalang, Longhua, Shen Zhen, China
Manufacturer	:	Foshan G-power Technology Co., Ltd.
Address	:	B4-601, 602, 603, 604, 702, 704, SXC, No. 1 Fusheng West Road, Dafuji Community, Ronggui Street, Shunde District, FOSHAN CITY, Guangdong Province 528300, China

1.2 General Description of EUT (Equipment Under Test)

EUT Name	:	Station P
Models No.	:	NSP2-WW, NSP2-BF
Model Different	:	All models are identical in the same PCB layout, interior structure and electrical circuits, the only difference is that appearance color and model name.
Product Description	:	Operation Frequency: 110KHz-205KHz
Power Rating	:	Input: 110-125V~ Output: USB-C:5V2.4A Output: USB-A:5V1A Wireless Charging: 10W(Max)
Software Version	:	1.0.0
Hardware Version	:	1.1.0
Remark: The above antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.		



2. Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report according to CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the Guangdong Asia Hongke Test Technology Limited's quality system according to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Asia Hongke laboratory is reported:

Test	Range	Measurement Uncertainty	Notes
Magnetic field expanded uncertainty	3KHz-10MHz	3.52dB	(1)
Electric Field expanded uncertainty	3KHz-10MHz	2.45dB	(1)

The report 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%



3. Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1/F., Building 6, Rundongsheng Industrial Zone, Longzhu, Xixiang, Bao'an District, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

CNAS (L5813)

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

A2LA Certificate No.: 4750.01

The laboratory has been accredited by American Association for Laboratory Accreditation(A2LA) to ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01.FCC Accredited Test Site Number: 854351. Designation Number: CN1223.

IC Registration No.: (11950A)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A. CAB identifier: CN0056.



4. RF Exposure Considerations

4.1 Measuring Standard:

KDB 680106 D01 RF Exposure Wireless Charging App v04.

4.2 Requirements:

According to the item 5.2 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) The power transfer frequency is below 1 MHz.
- (2) The output power from each transmitting element (e.g., coil) is less than or equal to 15 watts.
- (3) The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils.
- (4) Only § 2.1091-Mobile exposure conditions apply (i.e., this provision does not cover § 2.1093-Portable exposure conditions).
- (5) 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.
- (6) 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.

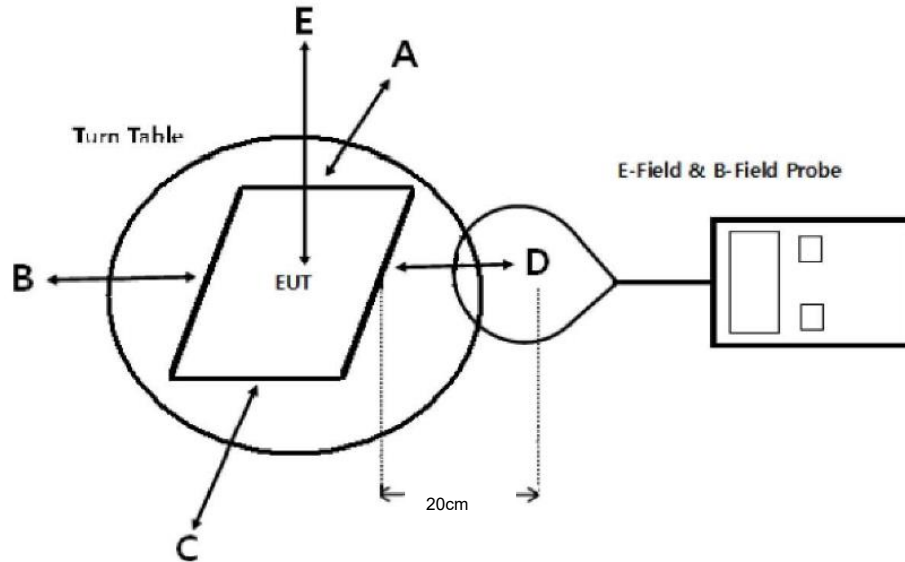
4.3 For Maximum Permissible Exposure (MPE)

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).



4.4 For Maximum Permissible Exposure (MPE)



Note: The aggregate H-field strengths at 20 cm surrounding the device and 20 cm above the top surface.

4.5 Test Procedure

- (1) The RF exposure test was performed in anechoic chamber.
- (2) The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface.
- (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.



4.6 Equipment Approval Considerations

The EUT does comply with item 5.2 of KDB 680106 D01v04 as follows table;

Requirements of KDB 680106 D01	Yes / No	Description
The power transfer frequency is below 1 MHz.	Yes	The device operate in the frequency range 110.0 KHz - 205 KHz.
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 10W.
The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils.	Yes	The transfer system includes only single coil.
Only § 2.1091-Mobile exposure conditions apply (i.e., this provision does not cover § 2.1093-Portable exposure conditions).	Yes	The device Mobile exposure.
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	The EUT H-field strengths at 20 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.
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	The transfer system includes only one radiating.

In all other cases, unless excluded above, an RF exposure evaluation report must be reviewed and accepted through a KDB or PBA inquiry to enable authorization of the equipment. When evaluation is required to show compliance; for example, using field strength, power density, SAR measurements or



computational modeling etc., the specific authorization requirements will be determined based on the results of the RF exposure evaluation

4.7 Test Equipment List

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Magnetic field meter	NARDA	ELT-400	EE030	Sep. 07, 2024	Sep. 06, 2025

4.8 Mode of operation during the test / Test peripherals used

Test Modes:		
TM1	AC/DC Adapter + EUT + Mobile Phone (Battery Status: <1%)	record
TM2	AC/DC Adapter + EUT + Mobile Phone (Battery Status: <50%)	record
TM3	AC/DC Adapter + EUT + Mobile Phone (Battery Status: <99%)	record



5. Test Result

E-Filed Strength at 20 cm from the edges surrounding the EUT and 20 cm above the top surface

Charging Battery Level	Frequency Range (MHz)	Measured E-Field Strength Values (V/m)					E-Field Strength 50% Limits (V/m)	E-Field Strength Limits (V/m)
		Test Position						
		A	B	C	D	E		
99%	129.4	42.623	43.354	61.453	43.734	47.132	307.0	614.0
50%	129.4	46.736	42.975	49.375	47.121	42.973	307.0	614.0
1%	129.4	61.078	49.386	42.963	34.672	41.844	307.0	614.0

Note: V/m= A/m *377

H-Filed Strength at 20 cm from the edges surrounding the EUT and 20 cm above the top surface

Charging Battery Level	unit	Frequency Range (MHz)	Measured H-Field Strength Values (A/m)					H-Field Strength 50% Limits (A/m)	H-Field Strength Limits (A/m)
			Test Position						
			A	B	C	D	E		
99%	uT	129.4	0.1412	0.1436	0.2034	0.143	0.1566	--	--
99%	A/m	129.4	0.113	0.116	0.168	0.111	0.129	0.815	1.63
50%	uT	129.4	0.157	0.1422	0.1634	0.1558	0.1428	--	--
50%	A/m	129.4	0.124	0.112	0.133	0.126	0.114	0.815	1.63
1%	uT	129.4	0.2028	0.1636	0.1427	0.1152	0.1383	--	--
1%	A/m	129.4	0.167	0.136	0.117	0.096	0.112	0.815	1.63

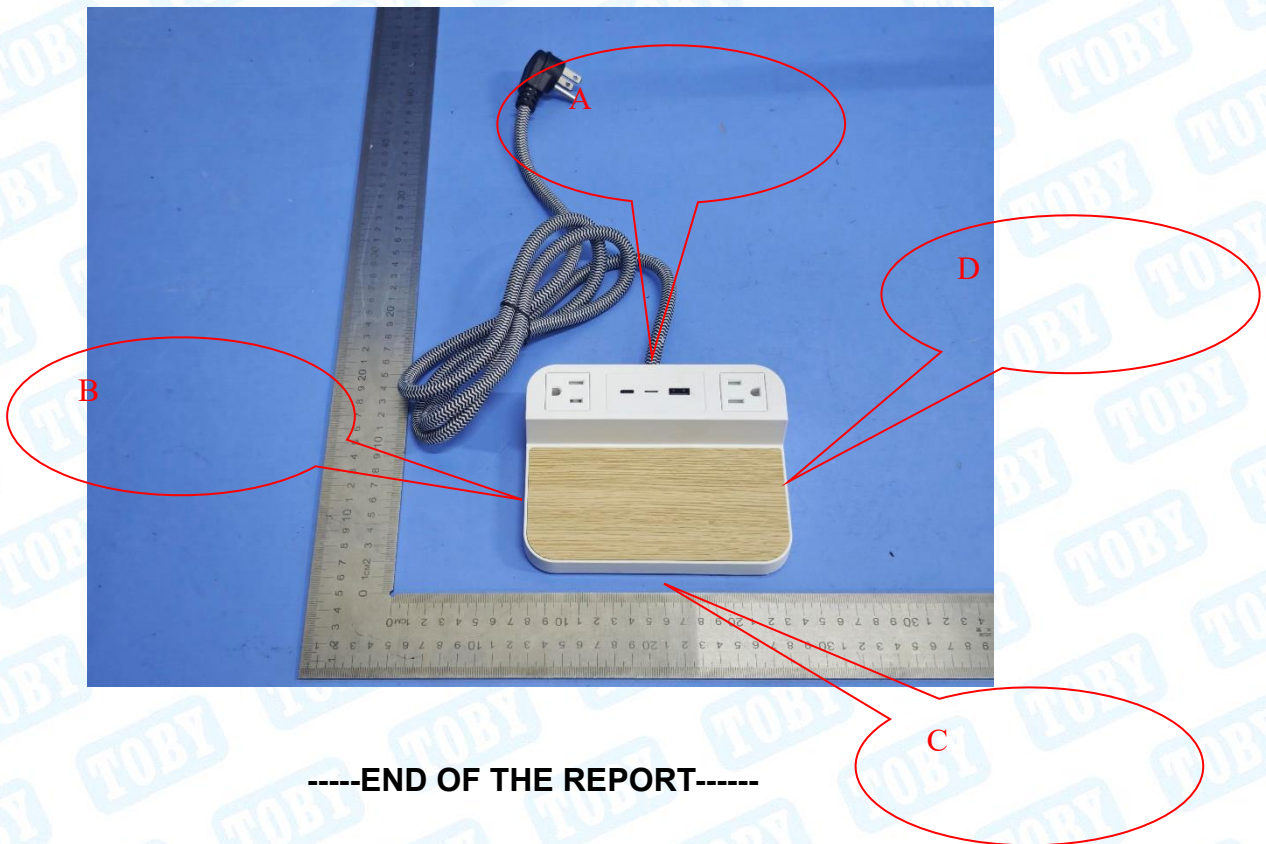
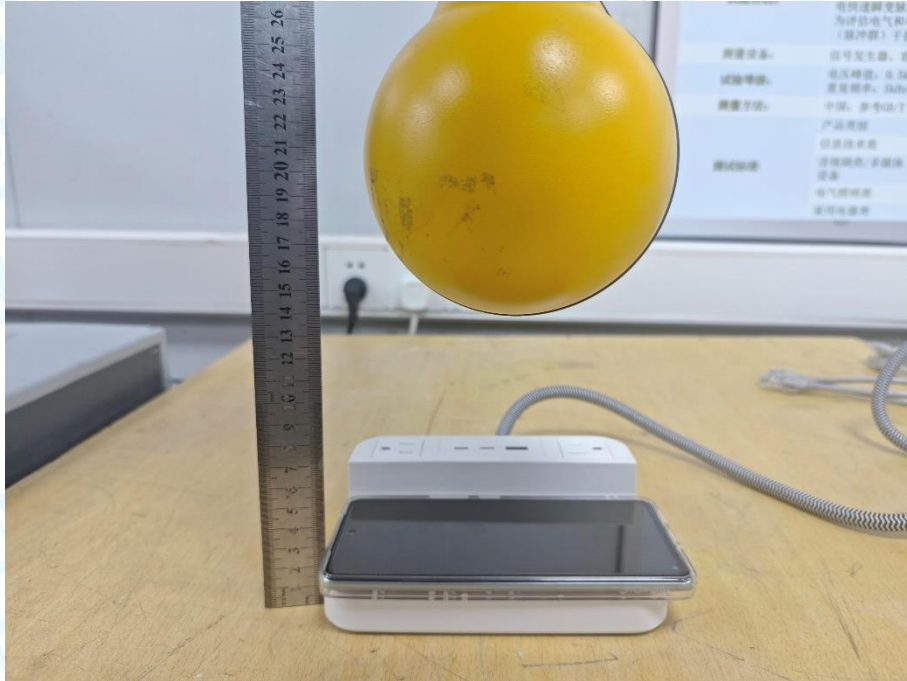
H-Field Strength at 20cm from the top surface of the EUT

Charging Battery Level	Unit	Frequency Range (MHz)	Measured H-Field Strength Values (A/m)	FCC H-Field Strength 50% Limits (A/m)	FCC H-Field Strength Limits (A/m)
			Test Position E		
99%	uT	129.4	0.1337	--	--
99%	A/m	129.4	0.104	0.815	1.63
50%	uT	129.4	0.1228	--	--
50%	A/m	129.4	0.097	0.815	1.63
1%	uT	129.4	0.1377	--	--
1%	A/m	129.4	0.15	0.815	1.63

Note: A/m=uT/1.25



6. Test Photo



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

