

TEST REPORT

Reference No...... : WTD25X06160930W002
FCC ID : 2BASY-NPSI588
Applicant : Alliance Sports Group., LP
Address : 700 Henrietta Creek Rd. Roanoke, TX 76262, Roanoke, Texas 76262,
United States
Manufacturer : 1.DONGGUAN PROTRONIC ELECTRONICS LTD.
2. Radix Telecom Philis., Industries INc.
1.No.1 Gongye Blvd, Shipai Town, Dongguan, Guangdong Province, P.R.
China.
Address : 2. SUNPINO BLDG BLK 6,LOT 10 PHASE II CEZ ROSARIO CAV 4106
Philippines
Product Name : Intrepid 600 Power Station
Model No...... : NPS-I588
Standards : KDB 680106 D01 V04
Date of Receipt sample : 2025-06-19
Date of Test..... : 2025-06-19 to 2025-08-08
Date of Issue : 2025-08-08
Test Report Form No. : WTX_KDB 680106_D01_V04W
Test Result..... : **Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

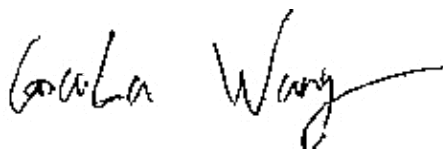
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Report version

Version No.	Date of issue	Description
Rev.00	2025-08-08	Original
/	/	/

1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

General Description of EUT	
Product Name:	Intrepid 600 Power Station
Trade Name:	 
Model No.:	NPS-I588
Adding Model(s):	/
Battery Capacity	/
<i>Note: The test data is gathered from a production sample, provided by the manufacturer.</i>	

Technical Characteristics of EUT	
Frequency Range:	112-150kHz
Modulation Type:	ASK
Antenna Type:	Coil Antenna
Antenna Gain:	0dBi
Input:	AC Input: 120VAC, 60Hz, 500W Solar Input: 11.5-60VDC, 200W Type-C PD 100W Input: (5V/9V12V/15V) 3A 20V 5A, Max 100W Total Input: 550W
Output:	AC Socket(x2) Output: 120VAC, 60Hz, 600W, each port Total 600W USB-A(x2) Output: 5V 3A, 9V 2A 12V 1.5A each port Type-C PD 30W Output: 5V 3A, 9V 3A 12V 2.5A, 15V 2A, 20V 1.5A Type-C PD 100W Output: (5V/9V12V/15V) 3A 20V 5A, Max 100W DC 5525(x2) Output: 13.5V 8A, each port, Total 108W DC Power Socket Output: 13.5V 10A, 135W Total DC Output: 328W Wireless Output: 10W; LED: 3W Total Output: 941W Max Charging Temperature: 0-40°C Discharging Temperature: -10°C-40°C
Battery Energy:	588.8Wh (25.6V, 23Ah)
<i>Note The Antenna Gain is provided by the customer and can affect the validity of results.</i>	

1.2 Auxiliary Equipment List and Details

EUT Cable List and Details

Cable Description	Length (M)	Shielded/Unshielded	With Core/Without Core
Charging Cable	2.0	Unshielded	Without Ferrite
Car Charging Cable	1.5	Unshielded	Without Ferrite
DC5525 to HPP Charging Cable	3.0	Unshielded	Without Ferrite

Auxiliary Equipment List and Details

Description	Manufacturer	Model	Serial Number
Wireless charging load	/	/	/
Adapter	Apple	MLYU3CH/A	/

Special Cable List and Details

Cable Description	Length (M)	Shielded/Unshielded	With Core/Without Core
/	/	/	/

1.3 Test Equipment List and Details

Description	Manufacturer	Model	Serial No.	Cal Date	Due Date
ELECTRIC AND MAGNETIC FIELD ANALYZER	Narda	EHP-200AC	180ZX10226	2025-03-07	2026-03-06
Note: The deviation response is 0.8dB.					

2. RF Exposure Test Report

2.1 Standard Applicable

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)

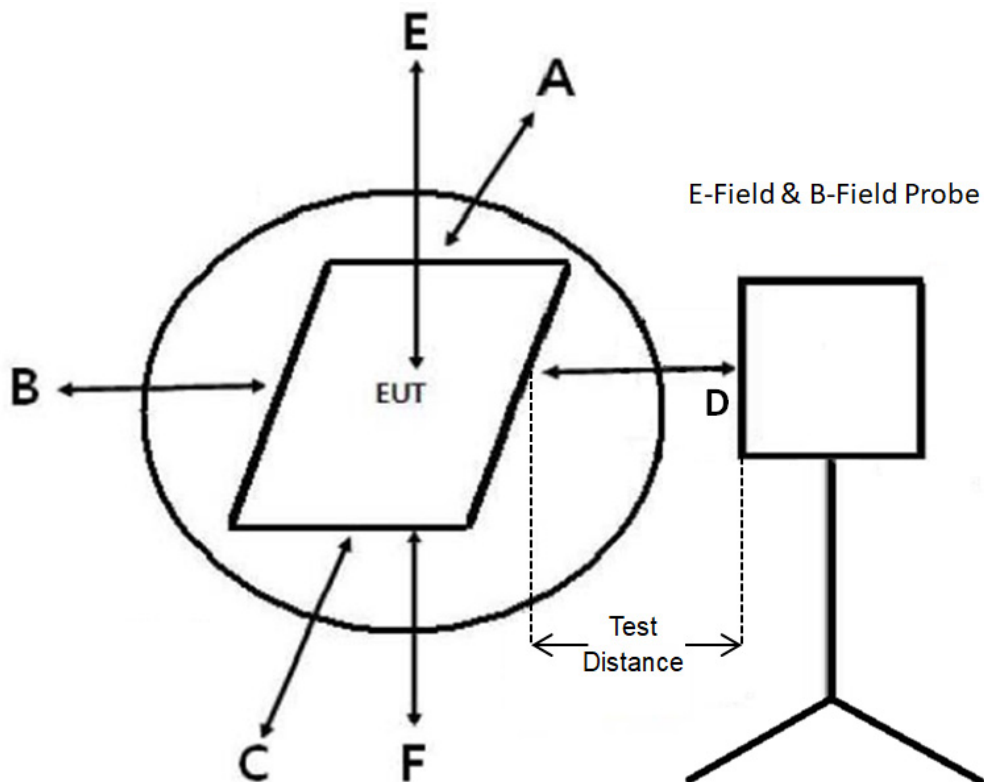
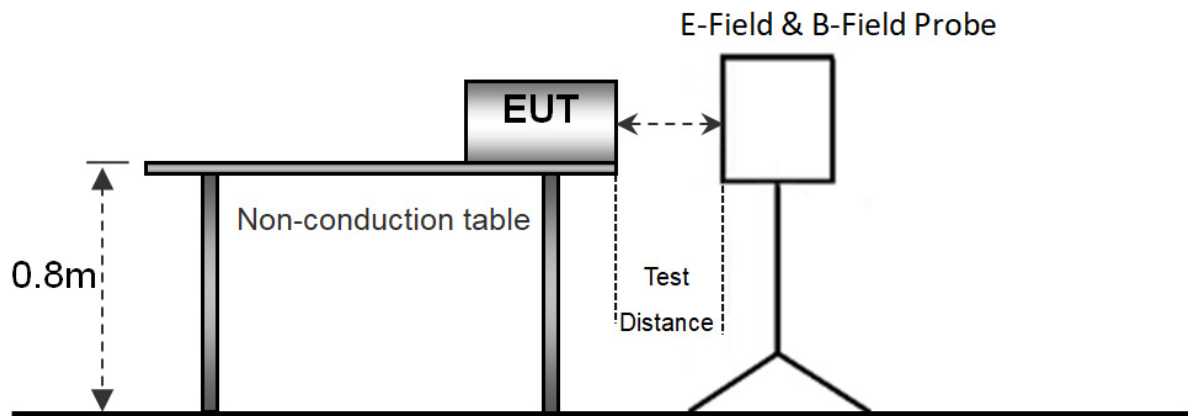
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*100	6
3.0-30	1842/f	4.89/f	*900/f ²	6
30-300	61.4	0.163	1.0	6
300-1,500			f/300	6
1,500-100,000			5	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

2.2 Test Conditions

Test Mode	Description	Remark	Power Supply Mode
TM1	Wireless Charging	AC230V/50Hz for adapter;	Input: DC 20V Wireless charging: output 10W
Note: The EUT was tested with empty load, half load, and full load, and recorded the worst mode (full load) data in the report.			
Measurement Distance:	15 cm and 20 cm		

2.3 Test Procedure



- The measurement probe was placed at test distance (15 cm for A, B, C, D, F and 20 cm for E) which is between the edge of the charger and the geometric center of probe.
- The highest emission level was recorded at the measurement points (A, B, C, D, E, F).
- The EUT was measured according to the distance of KDB 680106 D01 v04.

2.4 Test Result

The EUT complies with item 5.2 of KDB 680106 D01V04

- (1) The power transfer frequency is below 1 MHz.
Yes, the device operate in the frequency range from 112kHz to 150kHz.
- (2) 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 less than 10W.
- (3) 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.
- (4) Only § 2.1091-Mobile exposure conditions apply (i.e., this provision does not cover § 2.1093-Portable exposure conditions).
Yes, It is mobile exposure conditions only.
- (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.
Yes, The EUT field strength levels are less than 50% of the MPE limit, refer to test TM1 list.
- (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.
Yes, The EUT field strength levels are less than 50% of the MPE limit, refer to test list; and the coils can't transmitted simultaneous.

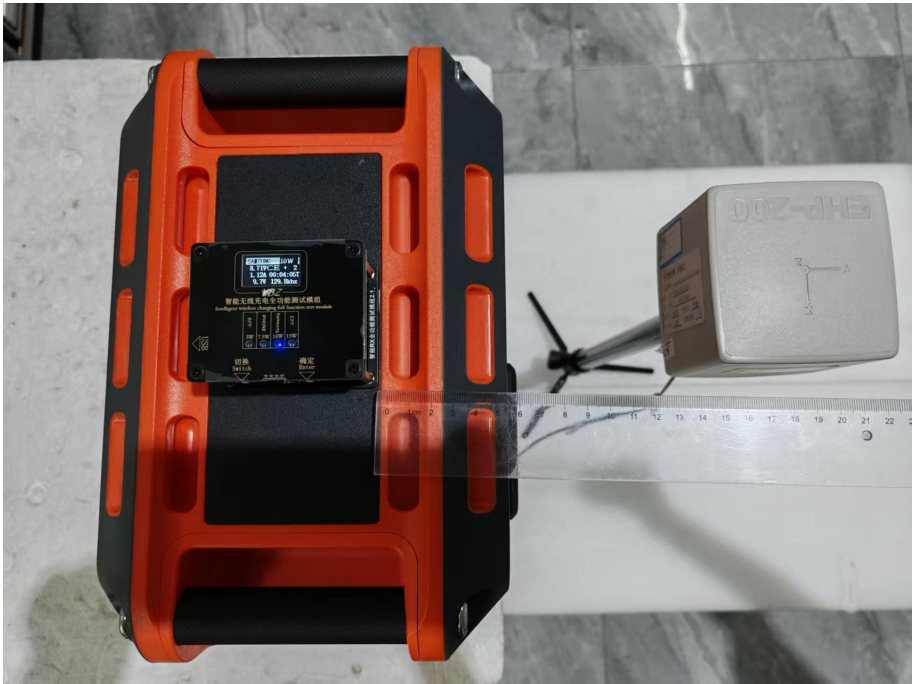
Test Mode: TM1

Electric Field Emissions			
Test Position	Measure Value (V/m)	Limit(V/m)	50% Limit (V/m)
Point E	4.32	614	307
Point F	2.32	614	307
Point A	2.35	614	307
Point B	4.45	614	307
Point C	2.32	614	307
Point D	3.56	614	307
Magnetic Field Emissions			
Test Position	Measure Value (A/m)	Limit(A/m)	50% Limit (A/m)
Point E	0.30	1.63	0.815
Point F	0.34	1.63	0.815
Point A	0.29	1.63	0.815
Point B	0.28	1.63	0.815
Point C	0.21	1.63	0.815
Point D	0.19	1.63	0.815

2.5 Measurement Uncertainty

Measurement uncertainty		
Parameter	Conditions	Uncertainty
Electric Field Emissions	Radiated	± 1.56 (V/m)
Magnetic Field Emissions	Radiated	± 0.08 (A/m)

2.6 Test Photos



APPENDIX PHOTOGRAPHS

Please refer to “ANNEX”

***** END OF REPORT *****