



RF EXPOSURE REPORT

Applicant	:	Nimble For Good, PBC
Address of Applicant	:	1008 Briosso Drive Costa Mesa, CA 92627
Manufacturer	:	Nimble For Good, PBC
Address of Manufacturer	:	1008 Briosso Drive Costa Mesa, CA 92627
Equipment under Test	:	CHAMP Wireless 5K
Model No.	:	NB-CPC-5K20W
FCC ID	:	2AZIO-5KWHT
Test Standard(s)	:	FCC CFR 47 part1, 1.1614(b), 1.1310; KDB680106 D01v04
Report No.	:	DDT-RE25071622-2E02
Issue Date	:	2025/09/18
Issue By	:	Guangdong Dongdian Testing Service Co., Ltd. Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

REPORT

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Test Report Declare

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Test Standard Used:

FCC CFR 47 part1, 1.1614(b), 1.1310; KDB680106 D01v04

We Declare:

The equipment described above is tested by Guangdong Dongdian Testing Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangdong Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

Report No.:	DDT-RE25071622-2E02		
Date of Receipt:	2025/08/21	Date of Test:	2025/08/21~2025/09/11

Created: Johnson Huang	Reviewed: Tiger Mo	Approved: Damon Hu
Johnson Huang	Tiger Mo	 Damon Hu
2025/09/11	2025/09/18	2025/09/18

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Guangdong Dongdian Testing Service Co., Ltd.

Revision History

Version	Revision Content	Issue Date	Approved
V0	Initial issue	2025/09/18	Damon Hu

1. General Test Information

1.1. Description of EUT

EUT Name	: CHAMP Wireless 5K
Model Number	: NB-CPC-5K20W
Difference of model number	: /
EUT Function Description	: Please reference user manual of this device
Power Supply	: Battery: 3.85V, 5000mAh, 19.25Wh Input USB-C: 5V=3A, 9V=2.22A, 20W Max. : Output USB-C: 5V=3A, 9V=3A, 20W Max. Wireless Output: 15W Max. USB-C + Wireless Output: 5V=2A + 5W

Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual.

1.2. Accessories of EUT

Accessories	Manufacturer	Model number	Description
USB cable	N/A	N/A	Length: 0.75m, unshielded

1.3. Test laboratory

Guangdong Dongdian Testing Service Co., Ltd.

Add.: Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808.

Tel.: +86-0769-38826678, <http://www.dgddt.com>, Email: ddt@dgddt.com.

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

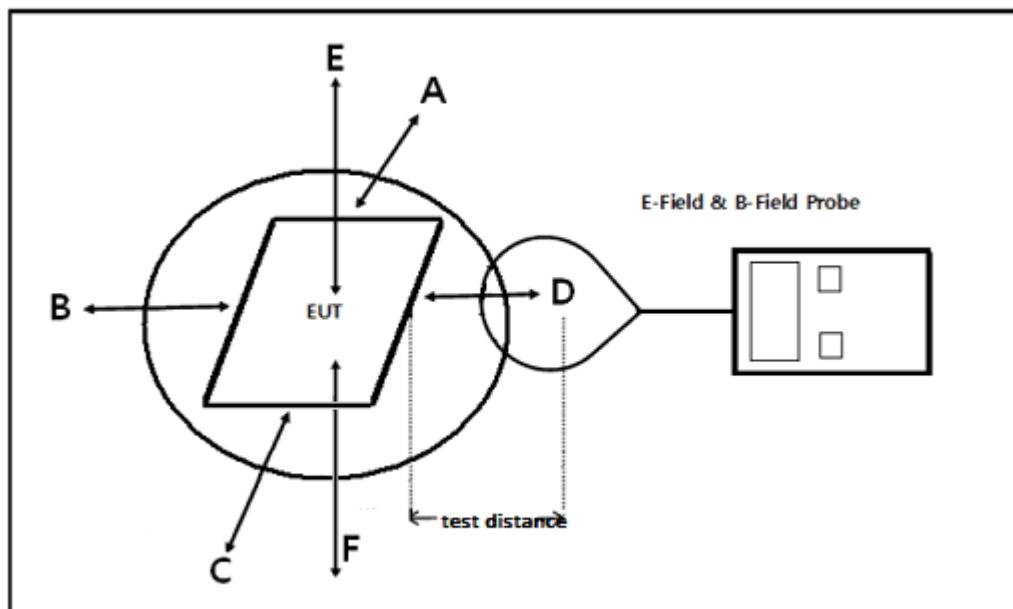
VCCI facility registration number: C-20087, T-20088, R-20123, R-20240, G-20118

2. RF Exposure evaluation for FCC

2.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Electric and Magnetic field probe - Analyze	Narda	EHP 200A	DDT-ZC04773	2026/01/12

2.2. Block diagram of test setup



2.3. Limits

According to §1.1614(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to §1.1310 and §2.1091 RF exposure is calculated. According KDB 680106 D01 Wireless Power Transfer v04.

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

2.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
Dummy load	N/A	N/A	N/A	N/A
phone	Samsung	SM-G9650/DS	N/A	N/A

2.5. Test procedure

- The RF exposure test was performed in shielded chamber.
- The measurement probe was placed at test distance (0cm ,2cm, 4cm, 6cm, 8cm, 10cm,15 cm, 20 cm) which is between the edge of the charger and the geometric centre of probe.
- The measurement probe used to search of highest strength.
- The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E, F) were completed.
- The EUT were measured according to the dictates of KDB 680106 D01 Wireless Power Transfer v04.

2.6. Test result

Mobile phone has been charge at zero charge, intermediate charge, and full charge with iphone Magnetic Field Emissions(WPC)

Note:

1. During the test the phone is attached the network in WWAN traffic mode and Wifi/BT is connected.
2. Tx mode 115 kHz - 205kHz, 360kHz (5W load, 10W load, 15W load, Phone), the worst case is 147kHz TX mode by phone.

Note: Mobile phone has been charge at zero charge, intermediate charge, and full charge with mobile phone 0CM (With Magnetic Phone Stand).

Operation Mode:	Charge with mobile phone			Test Power Supply				
	Probe Measure Result (V/m)			Limits (V/m)	Probe Measure Result (A/m)			Limits (A/m)
	10% charge	50% charge	90% charge		10% charge	50% charge	90% charge	
A	2.7278	4.0521	3.3029	614	0.6389	0.3314	0.4478	1.63
B	4.8490	4.8400	2.9003	614	0.2519	0.5909	0.5709	1.63
C	5.1884	3.4159	2.2636	614	0.6441	0.6195	0.5339	1.63
D	1.3084	4.3558	3.2064	614	0.4132	0.3080	0.3582	1.63
E	17.401	11.453	6.6979	614	0.2872	0.2067	0.2151	1.63
F	28.064	19.007	14.281	614	0.2490	0.1157	0.2665	1.63

Note: Mobile phone has been charge at zero charge, intermediate charge, and full charge with mobile phone 2CM (With Magnetic Phone Stand).

Operation Mode:	Charge with mobile phone			Test Power Supply				
	Probe Measure Result (V/m)			Limits (V/m)	Probe Measure Result (A/m)			Limits (A/m)
	10% charge	50% charge	90% charge		10% charge	50% charge	90% charge	
A	1.6911	1.4905	1.4177	614	0.2244	0.1520	0.2069	1.63
B	2.5724	2.7196	2.3969	614	0.2592	0.5559	0.3669	1.63
C	2.2993	1.8348	1.1913	614	0.3551	0.3198	0.4986	1.63
D	1.2391	0.7210	0.6283	614	0.2131	0.1553	0.2346	1.63
E	8.0343	3.4818	2.5087	614	0.2530	0.2791	0.2424	1.63
F	5.2659	3.5729	4.1781	614	0.4754	0.1363	0.1395	1.63

Note: Mobile phone has been charge at zero charge, intermediate charge, and full charge with mobile phone 4CM (With Magnetic Phone Stand).

Operation Mode:	Charge with mobile phone			Test Power Supply				
	Probe Measure Result (V/m)			Limits (V/m)	Probe Measure Result (A/m)			Limits (A/m)
	10% charge	50% charge	90% charge		10% charge	50% charge	90% charge	
A	1.3868	1.2385	1.0765	614	0.1098	0.0747	0.1105	1.63
B	2.0065	1.5304	1.7291	614	0.1530	0.6002	0.1867	1.63
C	1.5930	1.0026	0.8318	614	0.1963	0.1515	0.2362	1.63
D	0.7568	0.7619	0.5915	614	0.1410	0.1050	0.1294	1.63
E	5.3419	3.1342	2.4639	614	0.1955	0.1794	0.1803	1.63
F	4.9216	2.4924	3.8743	614	0.0692	0.0849	0.0841	1.63

Note: Mobile phone has been charge at zero charge, intermediate charge, and full charge with mobile phone 6CM (With Magnetic Phone Stand).

Operation Mode:	Charge with mobile phone			Test Power Supply				
	Probe Measure Result (V/m)			Limits (V/m)	Probe Measure Result (A/m)			Limits (A/m)
	10% charge	50% charge	90% charge		10% charge	50% charge	90% charge	
A	1.2107	0.8664	0.8381	614	0.0601	0.0590	0.0721	1.63
B	1.4597	1.4414	1.5794	614	0.0991	0.1506	0.1188	1.63
C	1.2036	0.8797	0.6979	614	0.1279	0.1461	0.1258	1.63
D	0.7471	0.7106	0.4948	614	0.0977	0.0764	0.0792	1.63
E	0.9815	1.8723	1.0774	614	0.1194	0.1113	0.0784	1.63
F	0.9335	1.5503	1.2415	614	0.0721	0.0767	0.0543	1.63

Note: Mobile phone has been charge at zero charge, intermediate charge, and full charge with mobile phone 8CM (With Magnetic Phone Stand).

Operation Mode:	Charge with mobile phone			Test Power Supply				
	Probe Measure Result (V/m)			Limits (V/m)	Probe Measure Result (A/m)			Limits (A/m)
	10% charge	50% charge	90% charge		10% charge	50% charge	90% charge	
A	0.7847	0.8656	0.6268	614	0.0547	0.0578	0.0560	1.63
B	1.1639	1.2962	1.4088	614	0.0601	0.0955	0.0774	1.63
C	0.8979	0.8785	0.5285	614	0.0921	0.0909	0.0740	1.63
D	0.5614	0.5187	0.4248	614	0.0674	0.0644	0.0648	1.63
E	0.7764	0.9870	0.7935	614	0.0703	0.0713	0.0827	1.63
F	0.7026	0.9015	0.6789	614	0.0543	0.0563	0.0560	1.63

Note: Mobile phone has been charge at zero charge, intermediate charge, and full charge with mobile phone 10CM (With Magnetic Phone Stand).

Operation Mode:	Charge with mobile phone			Test Power Supply				
	Probe Measure Result (V/m)			Limits (V/m)	Probe Measure Result (A/m)			Limits (A/m)
	10% charge	50% charge	90% charge		10% charge	50% charge	90% charge	
A	0.6476	0.7047	0.5741	614	0.0560	0.0543	0.0581	1.63
B	1.1619	1.1752	1.0586	614	0.0751	0.0851	0.0756	1.63
C	0.7312	0.5690	0.4762	614	0.0610	0.0721	0.0629	1.63
D	0.4914	0.4273	0.3487	614	0.0591	0.0578	0.0663	1.63
E	0.6268	0.7709	0.6416	614	0.0564	0.0660	0.0697	1.63
F	0.5540	0.5997	0.5688	614	0.0580	0.0580	0.0547	1.63

Note: Mobile phone has been charge at zero charge, intermediate charge, and full charge with mobile phone 20CM (With Magnetic Phone Stand).

Operation Mode:	Charge with mobile phone			Test Power Supply				
	Probe Measure Result (V/m)			Limits (V/m)	Probe Measure Result (A/m)			Limits (A/m)
	10% charge	50% charge	90% charge		10% charge	50% charge	90% charge	
A	0.4542	0.6254	0.4531	614	0.0562	0.0580	0.0520	1.63
B	0.7599	0.6098	0.5931	614	0.0597	0.0560	0.0560	1.63
C	0.4817	0.4574	0.4389	614	0.0578	0.0560	0.0543	1.63
D	0.3340	0.3843	0.3466	614	0.0544	0.0580	0.0563	1.63
E	0.4515	0.4703	0.4651	614	0.0560	0.0563	0.0562	1.63
F	0.4793	0.3909	0.4020	614	0.0578	0.0563	0.0560	1.63

The distance from the probe measuring point to the EUT surface is 2mm
(Estimated value) =2cm (actual value) *4cm (actual value) /6cm (actual value)
According to the following table, when we backward derivation 0cm, it should be 27.76(V/m), with a deviation from the actual test value of -1.08%.

Measure Result V/m			
0cm	2cm	4cm	6cm
28.064	5.2659	4.9216	0.9335

According to the following table, when we backward derivation 0cm, it should be 0.545(A/m), with a deviation from the actual test value of -15.4%.

Measure Result A/m			
0cm	2cm	4cm	6cm
0.6441	0.3551	0.1963	0.1279