



EUT Specification

FCC ID: 2BCJZ-T3PRO

Characteristics	Description
Product Name	Magnetic wireless charging power bank
Model number	T3Pro
Series Model	T1, T1Pro, T2, T2Pro, T3, T4, T4Pro, T5, T5Pro, T6, T6Pro, T7, T7Pro, T8, T8Pro, T9, T9Pro, T10, T10Pro
Power Supply	DC 5V / DC 9V / Battery 3.85V
Operating Frequency Range	110-205KHz for phone charging 300-350KHz for Watch charging 110-205KHz for Earphone charging
Modulation Technique	FSK for phone charging ASK for Watch charging ASK for Earphone charging
Antenna Type	Coil Antenna
Device category	<input checked="" type="checkbox"/> Portable (<20cm separation) <input type="checkbox"/> Mobile (>20cm separation) <input type="checkbox"/> Others ____
Antenna diversity	<input checked="" type="checkbox"/> Single antenna <input type="checkbox"/> Multiple antennas <input type="checkbox"/> Tx diversity <input type="checkbox"/> Rx diversity <input type="checkbox"/> Tx/Rx diversity
Evaluation applied	<input checked="" type="checkbox"/> MPE Evaluation <input type="checkbox"/> SAR Evaluation

Applicable Standard:

FCC Part 1(1.1310) ,Part 2(2.1093) and KDB 680106 D01 RF Exposure
Wireless Charging Apps v03

Applicable Requirement:

Three different categories of transmitters are defined by the FCC in OET
Bulletin 65.

These categories are fixed installation, mobile, and portable and are defined as follows:

Fixed Installations: fixed location means that the device, including its antenna, is physically secured at a permanent location and is not able to be easily moved to another location. Additionally, distance to humans from the antenna is maintained to at least 2 meters.

Mobile Devices: a mobile device is defined as a transmitting device designed to be used in other than fixed locations and to be generally used in such a way that a separation distance of at least 20 centimeters is normally maintained between the transmitter's radiating structures and the body of the user or nearby persons. Transmitters designed to be used by consumers or workers that can be easily re-located, such as a wireless modem operating in a laptop computer, are considered mobile devices if they meet the 20 centimeter separation requirement. The FCC rules for evaluating mobile devices for RF compliance are found in 47 CFR §2.1091.

Portable Devices: a portable device is defined as a transmitting device designed to be used so that the radiating structure(s) of the device is/are within 20 centimeters of the body of the user. Portable device requirements are found in Section 2.1093 of the FCC's Rules (47 CFR§2.1093).

The FCC also categorizes the use of the device as based upon the user's awareness and ability to exercise control over his or her exposure. The two categories defined are Occupational/ Controlled Exposure and General Population/Uncontrolled Exposure.

These two categories are defined as follows:

Occupational/controlled exposure limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when a person is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure. The phrase fully aware in the context of applying these exposure limits means that an exposed person has received written and/or verbal information fully explaining the potential for RF exposure resulting from his or her employment. With the exception of transient persons, this phrase also means that an exposed person has received appropriate training regarding work practices relating to controlling or mitigating his or her exposure. Such training is not required for transient persons, but they must receive written and/or verbal information and notification (for example, using signs) concerning their exposure potential and appropriate means available to mitigate their exposure. The phrase exercise control means that an exposed person is allowed to and knows how to reduce or avoid exposure by administrative or engineering controls and work practices, such as use of personal protective equipment or time averaging of exposure.

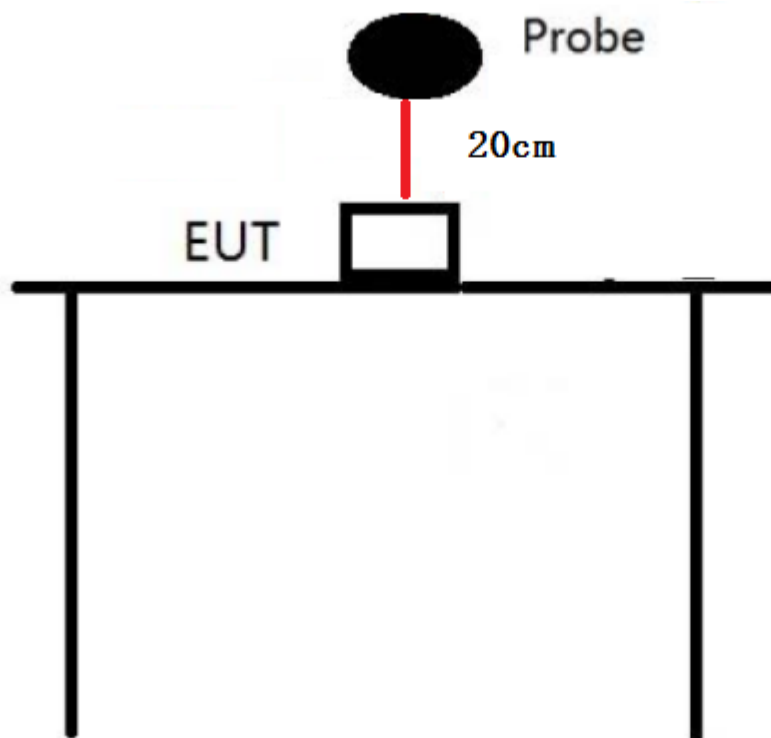
General population/uncontrolled exposure limits apply in situations in

which the general public may be exposed, or in which persons who are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

Licensees and applicants are responsible for compliance with both the occupational/controlled exposure limits and the general population/uncontrolled exposure limits as they apply to transmitters under their jurisdiction. Licensees and applicants should be aware that the occupational/controlled exposure limits apply especially in situations where workers may have access to areas in very close proximity to antennas and access to the general public may be restricted.

In lieu of evaluation with the general population/uncontrolled exposure limits, amateur licensees authorized under part 97 of this chapter and members of his or her immediate household may be evaluated with respect to the occupational/controlled exposure limits in this section, provided appropriate training and information has been provided to the amateur licensee and members of his/her household. Other nearby persons who are not members of the amateur licensee's household must be evaluated with respect to the general population/uncontrolled exposure limits.

Test Setup Block



Test Procedure

1. Connect the EUT and equipment as above diagram of test configuration.
2. EUT was placed on a table, and the measure probe was placed at a measurement distance of 20cm from the EUT to the center of the probe.
3. Power on the measuring probe, the EUT was set at the maximum field strength emission state.
4. The EUT was put in different directions (Left, Right, Front, Rear, Top and Bottom) toward to the measure probe. The distance from the top of the EUT to the probe is 20CM, and the distance from other directions is 20cm. Measure the value of field strength.
5. Record the worst data of the different directions.

Measuring Device And Test Equipment

Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
<input checked="" type="checkbox"/>	E&H-Field Probe(9kHz-30M Hz)	Narda	EHP-200A	180ZX11012	Oct. 28, 2023	1 Year

Description of Support Device

- phone : Manufacturer: Apple Inc.
M/N: A2404
S/N: N/A
- phone : Manufacturer: Xiaomi
M/N: Xiaomi 9
S/N: N/A
- phone : Manufacturer: SAMSUNG
M/N: Samsung Galaxy S9
S/N: N/A
- Adapter : Model number:580245A087
Input: AC 100-240V, 50/60Hz
- Earphone : Manufacturer: momax
M/N: X5
S/N: N/A
- Watch : Manufacturer: Apple
M/N: A1859
S/N: N/A

Limits for Maximum Permissible Exposure(MPE)

Frequency Range(MHz)	Electric Field Strength(V/m)	Magnetic Field Strength(A/m)	Power Density(mW/cm ²)	Average Time
(A) Limits for Occupational/Control Exposures				
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f)*	6
30-300	61.4	0.163	1.0	6
300-1500	--	--	F/300	6
1500-100000	--	--	5	6
(B) Limits for General Population/Uncontrol Exposures				
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	F/1500	30
1500-100000	--	--	1	30

Note: f denotes for frequency in MHz.

* denotes for plane-wave equivalent power density.

Measurement Result

For phone

We tested 3 modes(15W load, 7.5W load,5W load) and 11 test distances(0cm, 2cm,4cm,6cm,8cm,10cm,12cm,14cm,16cm,18cm,20cm), only the worst mode and the worst 4 test distances were recorded in the report. The worst mode and test distance of 20cm were also recorded in the report.

Magnetic Field (H-Field) strength at 0cm from the boundaries of EUT.

Test Mode: Wireless Charging 15W				
		Measuring Distance(cm)	H- Field(A/m)	Limit(A/m)
Measurement Point 1	Front	0	1.116	1.63
Measurement Point 2	Back	0	1.109	
Measurement Point 3	Left	0	1.124	
Measurement Point 4	Right	0	1.056	
Measurement Point 5	Bottom	0	1.064	
Measurement Point 6	Top	0	1.242	

Note: The results of the data in the above table are calculated and evaluated.

Test Mode: Wireless Charging 15W				
		Measuring Distance(cm)	E- Field(V/m)	Limit(V/m)
Measurement Point 1	Front	0	9.68	614
Measurement Point 2	Back	0	8.29	
Measurement Point 3	Left	0	9.82	
Measurement Point 4	Right	0	8.49	
Measurement Point 5	Bottom	0	8.35	
Measurement Point 6	Top	0	10.26	

Note: The results of the data in the above table are calculated and evaluated.

Magnetic Field (H-Field) strength at 2cm from the boundaries of EUT.

Test Mode: Wireless Charging 15W				
		Measuring Distance(cm)	H- Field(A/m)	Limit(A/m)
Measurement Point 1	Front	2	0.991	1.63
Measurement Point 2	Back	2	0.964	
Measurement Point 3	Left	2	0.956	
Measurement Point 4	Right	2	0.904	
Measurement Point 5	Bottom	2	0.901	
Measurement Point 6	Top	2	1.072	

Note: The results of the data in the above table are calculated and evaluated.

Test Mode: Wireless Charging 15W				
		Measuring Distance(cm)	E- Field(V/m)	Limit(V/m)
Measurement Point 1	Front	2	8.92	614
Measurement Point 2	Back	2	9.64	
Measurement Point 3	Left	2	8.88	
Measurement Point 4	Right	2	7.05	
Measurement Point 5	Bottom	2	6.99	
Measurement Point 6	Top	2	9.78	

Note: The results of the data in the above table are calculated and evaluated.

Magnetic Field (H-Field) strength at 4cm from the boundaries of EUT.

Test Mode: Wireless Charging 15W				
		Measuring Distance(cm)	H- Field(A/m)	Limit(A/m)
Measurement Point 1	Front	4	0.861	1.63
Measurement Point 2	Back	4	0.792	
Measurement Point 3	Left	4	0.825	
Measurement Point 4	Right	4	0.815	
Measurement Point 5	Bottom	4	0.795	
Measurement Point 6	Top	4	0.933	

Test Mode: Wireless Charging 15W				
		Measuring Distance(cm)	E- Field(V/m)	Limit(V/m)
Measurement Point 1	Front	4	7.65	614
Measurement Point 2	Back	4	6.51	
Measurement Point 3	Left	4	7.82	
Measurement Point 4	Right	4	5.27	
Measurement Point 5	Bottom	4	4.29	
Measurement Point 6	Top	4	8.72	

Note: The results of the top data in the above table are calculated and evaluated.

Magnetic Field (H-Field) strength at 6cm from the boundaries of EUT.

Test Mode: Wireless Charging 15W				
		Measuring Distance(cm)	H- Field(A/m)	Limit(A/m)
Measurement Point 1	Front	6	0.759	1.63
Measurement Point 2	Back	6	0.716	
Measurement Point 3	Left	6	0.699	
Measurement Point 4	Right	6	0.644	
Measurement Point 5	Bottom	6	0.684	
Measurement Point 6	Top	6	0.776	

Test Mode: Wireless Charging 15W				
		Measuring Distance(cm)	E- Field(V/m)	Limit(V/m)
Measurement Point 1	Front	6	5.82	614
Measurement Point 2	Back	6	4.24	
Measurement Point 3	Left	6	5.68	
Measurement Point 4	Right	6	3.52	
Measurement Point 5	Bottom	6	2.64	
Measurement Point 6	Top	6	6.28	

Magnetic Field (H-Field) strength at 20cm from the boundaries of EUT.

Test Mode: Wireless Charging 15W					
		Measuring Distance(cm)	H- Field(A/m)	Limit(A/m)	50% Limit(A/m)
Measurement Point 1	Front	20	0.111	1.63	0.815
Measurement Point 2	Back	20	0.105		
Measurement Point 3	Left	20	0.008		
Measurement Point 4	Right	20	0.109		
Measurement Point 5	Bottom	20	0.099		
Measurement Point 6	Top	20	0.182		

Test Mode: Wireless Charging 15W					
		Measuring Distance(cm)	E- Field(V/m)	Limit(V/m)	50% Limit(V/m)
Measurement Point 1	Front	20	0.35	614	307
Measurement Point 2	Back	20	0.18		
Measurement Point 3	Left	20	0.32		
Measurement Point 4	Right	20	0.19		
Measurement Point 5	Bottom	20	0.13		
Measurement Point 6	Top	20	0.19		

For Watch

We tested 1 modes(2.5W load) and 11 test distances(0cm,2cm,4cm,6cm,8cm, 10cm,12cm,14cm,16cm,18cm,20cm), only the worst mode and the worst 4 test distances were recorded in the report.

Magnetic Field (H-Field) strength at 0cm from the boundaries of EUT.

Test Mode: Wireless Charging 2.5W				
		Measuring Distance(cm)	H- Field(A/m)	Limit(A/m)
Measurement Point 1	Front	0	1.108	1.63
Measurement Point 2	Back	0	1.106	
Measurement Point 3	Left	0	1.116	
Measurement Point 4	Right	0	1.043	
Measurement Point 5	Bottom	0	1.058	
Measurement Point 6	Top	0	1.230	

Note: The results of the data in the above table are calculated and evaluated.

Test Mode: Wireless Charging 2.5W				
		Measuring Distance(cm)	E- Field(V/m)	Limit(V/m)
Measurement Point 1	Front	0	9.42	614
Measurement Point 2	Back	0	8.16	
Measurement Point 3	Left	0	9.62	
Measurement Point 4	Right	0	8.36	
Measurement Point 5	Bottom	0	8.12	
Measurement Point 6	Top	0	10.08	

Note: The results of the data in the above table are calculated and evaluated.

Magnetic Field (H-Field) strength at 2cm from the boundaries of EUT.

Test Mode: Wireless Charging 2.5W				
		Measuring Distance(cm)	H- Field(A/m)	Limit(A/m)
Measurement Point 1	Front	2	0.978	1.63
Measurement Point 2	Back	2	0.950	
Measurement Point 3	Left	2	0.942	
Measurement Point 4	Right	2	0.901	
Measurement Point 5	Bottom	2	0.893	
Measurement Point 6	Top	2	1.048	

Note: The results of the data in the above table are calculated and evaluated.

Test Mode: Wireless Charging 2.5W				
		Measuring Distance(cm)	E- Field(V/m)	Limit(V/m)
Measurement Point 1	Front	2	8.82	614
Measurement Point 2	Back	2	9.53	
Measurement Point 3	Left	2	8.66	
Measurement Point 4	Right	2	6.92	
Measurement Point 5	Bottom	2	6.76	
Measurement Point 6	Top	2	9.53	

Note: The results of the data in the above table are calculated and evaluated.

Magnetic Field (H-Field) strength at 4cm from the boundaries of EUT.

Test Mode: Wireless Charging 2.5W				
		Measuring Distance(cm)	H- Field(A/m)	Limit(A/m)
Measurement Point 1	Front	4	0.855	1.63
Measurement Point 2	Back	4	0.778	
Measurement Point 3	Left	4	0.814	
Measurement Point 4	Right	4	0.802	
Measurement Point 5	Bottom	4	0.788	
Measurement Point 6	Top	4	0.912	

Test Mode: Wireless Charging 2.5W				
		Measuring Distance(cm)	E- Field(V/m)	Limit(V/m)
Measurement Point 1	Front	4	7.43	614
Measurement Point 2	Back	4	6.36	
Measurement Point 3	Left	4	7.74	
Measurement Point 4	Right	4	4.98	
Measurement Point 5	Bottom	4	4.02	
Measurement Point 6	Top	4	8.38	

Note: The results of the top data in the above table are calculated and evaluated.

Magnetic Field (H-Field) strength at 6cm from the boundaries of EUT.

Test Mode: Wireless Charging 2.5W				
		Measuring Distance(cm)	H- Field(A/m)	Limit(A/m)
Measurement Point 1	Front	6	0.722	1.63
Measurement Point 2	Back	6	0.694	
Measurement Point 3	Left	6	0.682	
Measurement Point 4	Right	6	0.626	
Measurement Point 5	Bottom	6	0.665	
Measurement Point 6	Top	6	0.753	

Test Mode: Wireless Charging 2.5W				
		Measuring Distance(cm)	E- Field(V/m)	Limit(V/m)
Measurement Point 1	Front	6	5.56	614
Measurement Point 2	Back	6	4.12	
Measurement Point 3	Left	6	5.43	
Measurement Point 4	Right	6	3.36	
Measurement Point 5	Bottom	6	2.46	
Measurement Point 6	Top	6	6.04	

For Earphone

We tested 1 modes(3W load) and 11 test distances(0cm,2cm,4cm,6cm,8cm, 10cm,12cm,14cm,16cm,18cm,20cm), only the worst mode and the worst 4 test distances were recorded in the report.

Magnetic Field (H-Field) strength at 0cm from the boundaries of EUT.

Test Mode: Wireless Charging 3W				
		Measuring Distance(cm)	H- Field(A/m)	Limit(A/m)
Measurement Point 1	Front	0	1.110	1.63
Measurement Point 2	Back	0	1.103	
Measurement Point 3	Left	0	1.118	
Measurement Point 4	Right	0	1.045	
Measurement Point 5	Bottom	0	1.056	
Measurement Point 6	Top	0	1.228	

Note: The results of the data in the above table are calculated and evaluated.

Test Mode: Wireless Charging 3W				
		Measuring Distance(cm)	E- Field(V/m)	Limit(V/m)
Measurement Point 1	Front	0	9.59	614
Measurement Point 2	Back	0	8.22	
Measurement Point 3	Left	0	9.75	
Measurement Point 4	Right	0	8.38	
Measurement Point 5	Bottom	0	8.26	
Measurement Point 6	Top	0	10.14	

Note: The results of the data in the above table are calculated and evaluated.

Magnetic Field (H-Field) strength at 2cm from the boundaries of EUT.

Test Mode: Wireless Charging 3W				
		Measuring Distance(cm)	H- Field(A/m)	Limit(A/m)
Measurement Point 1	Front	2	0.983	1.63
Measurement Point 2	Back	2	0.956	
Measurement Point 3	Left	2	0.948	
Measurement Point 4	Right	2	0.899	
Measurement Point 5	Bottom	2	0.896	
Measurement Point 6	Top	2	1.052	

Note: The results of the data in the above table are calculated and evaluated.

Test Mode: Wireless Charging 3W				
		Measuring Distance(cm)	E- Field(V/m)	Limit(V/m)
Measurement Point 1	Front	2	8.74	614
Measurement Point 2	Back	2	9.56	
Measurement Point 3	Left	2	8.72	
Measurement Point 4	Right	2	6.95	
Measurement Point 5	Bottom	2	6.86	
Measurement Point 6	Top	2	9.62	

Note: The results of the data in the above table are calculated and evaluated.

Magnetic Field (H-Field) strength at 4cm from the boundaries of EUT.

Test Mode: Wireless Charging 3W				
		Measuring Distance(cm)	H- Field(A/m)	Limit(A/m)
Measurement Point 1	Front	4	0.856	1.63
Measurement Point 2	Back	4	0.784	
Measurement Point 3	Left	4	0.816	
Measurement Point 4	Right	4	0.803	
Measurement Point 5	Bottom	4	0.783	
Measurement Point 6	Top	4	0.934	

Test Mode: Wireless Charging 3W				
		Measuring Distance(cm)	E- Field(V/m)	Limit(V/m)
Measurement Point 1	Front	4	7.53	614
Measurement Point 2	Back	4	6.44	
Measurement Point 3	Left	4	7.73	
Measurement Point 4	Right	4	5.21	
Measurement Point 5	Bottom	4	4.24	
Measurement Point 6	Top	4	8.58	

Note: The results of the top data in the above table are calculated and evaluated.

Magnetic Field (H-Field) strength at 6cm from the boundaries of EUT.

Test Mode: Wireless Charging 2.5W				
		Measuring Distance(cm)	H- Field(A/m)	Limit(A/m)
Measurement Point 1	Front	6	0.720	1.63
Measurement Point 2	Back	6	0.692	
Measurement Point 3	Left	6	0.678	
Measurement Point 4	Right	6	0.624	
Measurement Point 5	Bottom	6	0.662	
Measurement Point 6	Top	6	0.748	

Test Mode: Wireless Charging 2.5W				
		Measuring Distance(cm)	E- Field(V/m)	Limit(V/m)
Measurement Point 1	Front	6	5.52	614
Measurement Point 2	Back	6	4.10	
Measurement Point 3	Left	6	5.42	
Measurement Point 4	Right	6	3.28	
Measurement Point 5	Bottom	6	2.42	
Measurement Point 6	Top	6	6.02	

PHOTOGRAPHS OF TEST SETUP

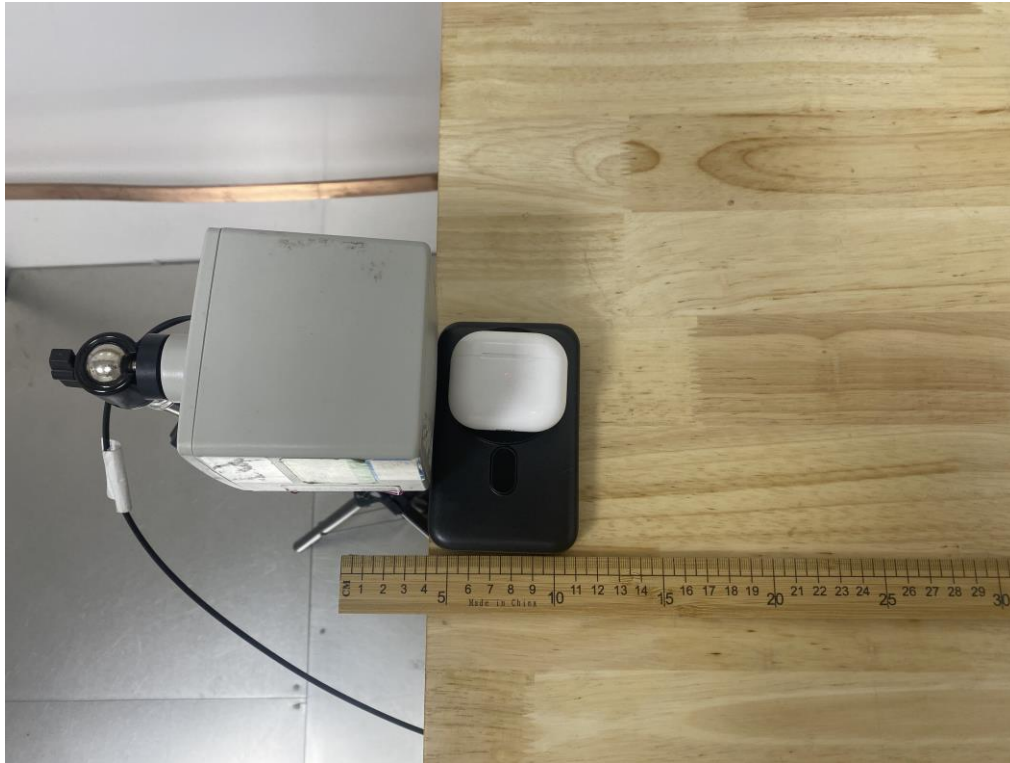
For phone



For Watch



For Earphone



Signature

Shawn Wen

Shawn Wen
General Manager
Date: 2024-05-30