




# TEST REPORT

FCC ID..... :	YYOTX1IN-US59	
Test Report No..... :	TCT240428E019	
Date of issue..... :	Jun. 27, 2024	
Testing laboratory .....	SHENZHEN TONGCE TESTING LAB	
Testing location/ address:	2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China	
Applicant's name..... :	Phonetone Technology (Shenzhen) Co., Ltd.	
Address..... :	Room 404, Building 12, Qianlong Garden, Minzhi Street, Bao'an District, Shenzhen, 518031 China	
Manufacturer's name ... :	Phonetone Technology (Shenzhen) Co., Ltd.	
Address..... :	Room 404, Building 12, Qianlong Garden, Minzhi Street, Bao'an District, Shenzhen, 518031 China	
Standard(s)..... :	FCC Part §1.1310	
Product Name..... :	Cell Phone Signal Booster	
Trade Mark .....	<b>ANTLENT PHONETONE INVCALL CEL5GN</b>	
Model/Type reference..... :	TX1IN-US59	
Rating(s)..... :	Adapter Information: MODEL: SK03T1-1200200U INPUT: AC 100-240V, 50/60Hz, 0.6A OUTPUT: DC 12V, 2A	
Date of receipt of test item .....	Apr. 28, 2024	
Date (s) of performance of test..... :	Apr. 28, 2024 ~ Jun. 27, 2024	
Tested by (+signature) ... :	Aaron MO	
Check by (+signature).... :	Beryl ZHAO	
Approved by (+signature):	Tomsin	



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## Table of Contents

<b>1. General Product Information .....</b>	<b>3</b>
1.1. EUT description .....	3
1.2. Model(s) list.....	3
<b>2. General Information.....</b>	<b>4</b>
2.1. Test environment and mode.....	4
2.2. Description of Support Units.....	4
<b>3. Facilities and Accreditations .....</b>	<b>5</b>
3.1. Facilities .....	5
3.2. Location .....	5
<b>4. Test Results and Measurement Data .....</b>	<b>6</b>
4.1. Requirements.....	6
4.2. MPE Calculation .....	6
4.3. Test Result .....	7

## 1. General Product Information

### 1.1. EUT description

<b>Product Name</b> .....:	Cell Phone Signal Booster
<b>Model/Type reference</b> .....:	TX1IN-US59
<b>Sample Number</b> .....:	TCT240428E018-0101
<b>Operation Frequency</b> .....	PCS Uplink: 1850MHz - 1915MHz, Downlink: 1930MHz - 1995MHz AWS Uplink: 1710MHz - 1755MHz, Downlink: 2110MHz - 2155MHz Cellular Uplink: 824MHz - 849MHz, Downlink: 869MHz - 894MHz Lower700MHz Uplink: 698MHz - 716MHz, Downlink: 728MHz - 746MHz Upper700MHz Uplink: 776MHz - 787MHz, Downlink: 746MHz - 757MHz
<b>Signal Booster Type</b> .....:	Mobile Consumer Signal Booster
<b>Emission Designator</b> .....	F9W, G7D, G7W, GXW, W7D
<b>FCC Classification</b> .....	B2W/Wideband Consumer Booster(CMRS)
<b>Rating(s)</b> .....:	Adapter Information: MODEL: SK03T1-1200200U INPUT: AC 100-240V, 50/60Hz, 0.6A OUTPUT: DC 12V, 2A

Note: The antenna gain listed in this report is provided by applicant, and the test laboratory is not responsible for this parameter.

### 1.2. Model(s) list

None.

## 2. General Information

### 2.1. Test environment and mode

Item	Normal condition
Temperature	+25°C
Voltage	DC 12V
Humidity	56%
Atmospheric Pressure:	1008 mbar
<b>Test Mode:</b>	
Engineering mode:	Keep the EUT in continuous transmitting by select channel

### 2.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
/	/	/	/	/

### 3. Facilities and Accreditations

#### 3.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations:

- FCC - Registration No.: 645098

SHENZHEN TONGCE TESTING LAB

Designation Number: CN1205

The testing lab has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

- IC - Registration No.: 10668A-1

SHENZHEN TONGCE TESTING LAB

CAB identifier: CN0031

The testing lab has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing.

#### 3.2. Location

SHENZHEN TONGCE TESTING LAB

Address: 2101 & 2201, Zhenchang Factory Renshan Industrial Zone, Fuhai Subdistrict,  
Bao'an District, Shenzhen, Guangdong, 518103, People's Republic of China

TEL: +86-755-27673339

## 4. Test Results and Measurement Data

### 4.1. Requirements

Limits For Maximum Permissible Exposure (MPE)				
Frequency range (MHz)	Electric field strength(V/m)	Magnetic field Strength(A/m)	Power density (mw/cm <sup>2</sup> )	Averaging time (minutes)
0.3-1.34	614	1.63	*100	30
1.34-30	824/f	2.19/f	*180/f <sup>2</sup>	30
30-300	27.5	0.0173	0.2	30
300-1,500			f/1500	30
1,500-100,000			1.0	30

### 4.2. MPE Calculation

Predication of MPE limit at a given distance

$$S = \frac{PG}{4\pi R^2}$$

S = Power density (In appropriate units, e.g., W/m<sup>2</sup>)

P = Power input to the antenna ( In appropriate units, e.g., W)

G = Power gain og the antenna in the direction of interest relative to an isotropic radiator, the power gain factor,

Is normally numeric gain

R =Distance to the center of radiation of the antenna(In appropriate units, e.g., m)

### 4.3. Test Result

Operation Bands	Frequency (MHz)	Max. Output power(dBm)	Cable loss (dB)	Power to Antenna(mW)	Antenna gain	
					Isotropic	Numeric
UL1850-1915	1882.50	23.28	1.03	167.88	3	2.00
UL1710-1755	1723.38	19.98	0.87	81.47	3	2.00
UL824-869	845.11	18.65	0.74	61.80	3	2.00
UL698-716	708.15	18.05	0.71	54.20	2.7	1.86
UL776-787	780.93	20.35	0.71	92.04	2.7	1.86
DL1930-1995	1963.25	6.78	1.73	3.20	8	6.31
DL2110-2155	2137.32	5.07	1.80	2.12	8	6.31
DL869-894	871.51	5.64	1.34	2.69	6	3.98
DL728-746	734.66	0.88	0.90	1.00	6	3.98
DL746-757	749.54	-1.58	0.90	0.56	6	3.98

Operation Bands	Power (mW)	Antenna gain(G)	Measure Distance(cm)	Power density (mW/cm <sup>2</sup> )	MPE limit (mW/cm <sup>2</sup> )
UL1850-1915	167.88	2.00	20	0.0666	1
UL1710-1755	81.47	2.00	20	0.0323	1
UL824-869	61.80	2.00	20	0.0245	0.56
UL698-716	54.20	1.86	20	0.0201	0.47
UL776-787	92.04	1.86	20	0.0341	0.52
DL1930-1995	3.20	6.31	20	0.0040	1
DL2110-2155	2.12	6.31	20	0.0027	1
DL869-894	2.69	3.98	20	0.0021	0.58
DL728-746	1.00	3.98	20	0.0008	0.49
DL746-757	0.56	3.98	20	0.0004	0.50

**Results: PASS**

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