

	TEST REP	OR ⁻	Γ		
FCC ID::	2AON7-8782				
Test Report No::	TCT220725E022			(
Date of issue::	Aug. 10, 2022				
Testing laboratory:	SHENZHEN TONGCE TE	STING	LAB		
Testing location/ address:	TCT Testing Industrial Pa Street, Bao'an District She Republic of China				
Applicant's name:	TZUMI Electronics, LLC				
Address::	16 EAST 34TH STREET 16TH FLOOR, NEW YORK, New York 10016, United States				
Manufacturer's name:	Shenzhen Qi'Ao Communication Tech Co., Ltd				
Address::	16/F, Block C, 2nd Phase of Central Avenue, Baoan District, Shenzhen, China				
Standard(s):	FCC CFR Title 47 Part 1.1307 KDB 447498 D04 Interim General RF Exposure Guidance v01				
Test item description:	37inch WIRELESS SOUNDBAR				
Trade Mark::	Tzumi				
Model/Type reference:	8782	(0)			
Rating(s):	Adapter Information: MODEL: M120300-A010U INPUT: AC 100 – 240V, 5 OUTPUT: DC 12.0V, 3.0A	0/60Hz		(
Date of receipt of test item:	Jul. 25, 2022				
Date (s) of performance of test:	Jul. 25, 2022 - Aug. 10, 20	022			
Tested by (+signature):	Rleo LIU		Rreo Cu	TONGCE	
Check by (+signature):	Beryl ZHAO		Boy 26	(TCT)	
Approved by (+signature):	Tomsin	(C)	Tomsin	As By	

General disclaimer:

This report shall not be reproduced except in full, without the written approval of SHENZHEN TONGCE TESTING LAB. This document may be altered or revised by SHENZHEN TONGCE TESTING LAB personnel only, and shall be noted in the revision section of the document. The test results in the report only apply to the tested sample.

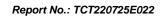




Table of Contents

1.1. 1.2. 2. Ge 2.1. 2.2. 3. Fac 3.1. 3.2.	EUT desc. Model(s) neral Info Test envi Descripti Cilities ar Facilities Location	listormation armation of Sup	and mode. port Units	ent Data		
4. Te:	st Kesult	s and Me	easureme	ent Data .	 (c)	 0



1. General Product Information

1.1. EUT description

Test item description:	37inch WIRELESS SOUNDBAR	(c)
Model/Type reference:	8782	
Sample Number:	TCT220725E021-0101	
Operation Frequency:	2402MHz~2480MHz	
Modulation Type:	GFSK, π/4-DQPSK, 8DPSK	
Antenna Type:	PCB Antenna	
Antenna Gain:	-0.58dBi	
Rating(s):	Adapter Information: MODEL: M120300-A010US INPUT: AC 100 – 240V, 50/60Hz, 0.8A OUTPUT: DC 12.0V, 3.0A, 36.0W	

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



2. General Information

2.1. Test environment and mode

Item	Normal condition				
Temperature	+25°C				
Voltage	AC 120V/60Hz				
Humidity	56%				
Atmospheric Pressure:	1008 mbar				
Test Mode:					
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
			1	1

Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
- 3. For conducted measurements (Output Power, 20dB Occupied Bandwidth, Carrier Frequencies Separation, Hopping Channel Number, Dwell Time, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.





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





Test Results and Measurement Data

According to §1.1307(b), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

- Remark: 1) The maximum output power for antenna is -0.39dBm (0.91mW) at 2480MHz, -0.58dBi antenna gain (with 0.87 numeric antenna gain.)
 - 2) For mobile or fixed location transmitters, no SAR consideration applied. The minimum separation generally be used is at least 20cm, even if the calculation indicate that the MPE distance would be lesser.

Calculation:

Given

$$E = \frac{\sqrt{30*P*G}}{d}$$
 & $S = \frac{E^2}{3770}$

Where E = Field strength in Volts / meter

P = Power in Watts

G = Numeric antenna gain

d = Distance in meters

 $S = Power\ density\ in\ milliwatts\ /\ square\ centimeter$

Maximum Permissible Exposure result

Output power= 0.91mW

Numeric Antenna gain= 0.87

Substituting the MPE safe distance using d=20cm into above equation.

Yields:

S=0.000199*P*G

Where P=Power in mW

G=Numeric antenna gain

S=Power density in mW/cm²

Power density= 0.000158mW/cm²

(For mobile or fixed location transmitters, the maximum power density is 1.0 mW/cm² even if the calculation indicates that the power density would be larger.)

*****END OF REPOR

Page 6 of 6

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com