




TEST REPORT

FCC ID	2APU8CQL1899-B	
Test Report No	TCT220915E030	
Date of issue	Sep. 16, 2022	
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	Conquer Industry Co., Ltd	
Address	ROOM 1502-109, EASEY COMMERCIAL BUILDING, 253-261 HENNESSY ROAD, WANCHAI, HONGKONG	
Manufacturer's name ...	Conquer Industry Co., Ltd	
Address	ROOM 1502-109, EASEY COMMERCIAL BUILDING, 253-261 HENNESSY ROAD, WANCHAI, HONGKONG	
Standard(s)	FCC CFR Title 47 Part 2.1093	
Product Name	BLUETOOTH SPEAKER	
Trade Mark	Sure, ART+SOUND, SURE, POLAROID, TRAXX, SHARPER IMAGE, LIMITED TWO, DARTY, SLICK, ROOM 2 ROOM, BRILLIANT IDEAS, MAHLI	
Model/Type reference	CQL1899-B, AR1020, AR1020BK	
Rating(s)	DC 5V From Adapter	
Date of receipt of test item	Sep. 15, 2022	
Date (s) of performance of test	Jul. 27, 2022 ~ Sep. 16, 2022	
Tested by (+signature) ...	Rleo LIU	
Check by (+signature)....	Beryl ZHAO	
Approved by (+signature):	Tomsin	



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1. General Product Information

1.1. EUT description

Test item description	BLUETOOTH SPEAKER
Model/Type reference.....	CQL1899-B
Sample Number.....	TCT220915E029-0101
Operation Frequency	2402MHz~2480MHz
Modulation Type	GFSK, $\pi/4$ -DQPSK, 8DPSK
Antenna Type.....	PCB Antenna
Antenna Gain.....	-0.58 dBi
Rating(s).....	DC 5V From Adapter

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

No.	Model No.	Tested with
1	CQL1899-B	<input checked="" type="checkbox"/>
Other models	AR1020, AR1020BK	<input type="checkbox"/>

Note: CQL1899-B is tested model, other models are derivative models. The models are identical in circuit and PCB layout, only different on the model names. So the test data of CQL1899-B can represent the remaining models.

2. Facilities and Accreditations

2.1. 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.

2.2. 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

3. Test Results and Measurement Data

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b), 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 Exposures				
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
300–1500	-	-	f/300	6
1500–100,000	-	-	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
300–1500	-	-	f/1500	30
1500–100,000	-	-	1.0	30

Note: f = frequency in MHz

EVALUATION METHOD

Transmission formula: $Pd = (Pout * G) / (4 * \pi * r^2)$

Where

Pd = power density in mW/cm², **Pout** = output power to antenna in mW, **G** = gain of antenna in linear scale;

Pi = 3.1416, **R** = distance between observation point and center of the radiator in cm

Assessment Result

Passed **Not Applicable**

Frequency range (MHz)	Type	Conducted Power (dBm)	Maximum Tune-up (dBm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Result
2402-2480	BT-EDR	-2.61	-2.00	0.0001	1.0000	Pass

Note: The exposure evaluation safety distance is 20cm.

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