

Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuh Street, Bao'an District, Shenzhen, China

RF Exposure evaluation

Compiled by

(position+printed name+signature) .: File administrators Joan Wu

Supervised by

(position+printed name+signature) .: Project Engineer Zoey Cao

Approved by

(position+printed name+signature) .: RF Manager Eric Wang

Date of issue Apr. 02, 2024

Testing Laboratory Name Shenzhen CTA Testing Technology Co., Ltd.

Address...... Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community,

Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name...... CONEXION VERTICAL, C.A. CORP

Obarrio, Calle 50 con 53 0este, Torre HI-TECH, Oficina4A, Ciudad

de Panama, Panama

47CFR §1.1310

Standard 47CFR §2.1093

KDB447498 D01 General RF Exposure Guidance v06

CTATES

Shenzhen CTA Testing Technology Co., Ltd. All rights reserved.

This publication may be reproduced in whole or in part for non-commercial purpses as long as the Shenzhen CTA Testing Technology Co., Ltd. is acknowledged as copyright owner and source of the material. Shenzhen CTA Testing Technology Co., Ltd. takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

Test item description Speaker

Manufacturer Shenzhen Quality Life Tech Co., Ltd.

Trade Mark N/A

Model/Type reference CMQ15W

Rating DC 3.7V From battery and DC 5.0V From external circuit

Result PASS

Report No.: CTA24032800402 Page 2 of 8

TEST REPORT

CTATEST Equipment under

Test

Speaker

CMQ15W Model /Type

CMQ50W, CMQ40W, CMQ200W, CMQ65W, CMQ 260W, CMQ60W, Listed Models

> CMQ70W, CMQ75W, CMQ80W, CMQ90W, CMQ120W, CMQ130W, PARTYBOX 140, H59, H57, H57MINI, S10, H62, H63, P54, P58PRO. H66, H67, H67 PRO, H70, H80, H150, P67, P73 PRO, P74, Tune Z5, Tune Z3, Tune Z1, Tune mini, CLICK Roam, CLICK Glow, CLICK Mini, CLICK Mini Karaoke, A80, A85, A6 CLUB, PARTYBOX CLUB, PARTY 600, A600, Burst, Burst-2, Spark, Zing, PARTYONE CLUB, A60 ULTRA, PARTY168, PARTYBOX 600, PARTYONE ULTIMATE, PARTYBOX, PARTY130, PARTY500, H63, H53PRO, H71, H72, H73, H74, H75, H80, H81, H82, H83, H85, H86, H87, H88, H89, S20, P61, P62, P58, P64PRO, P72, P71, P90, P90 MINI, P91, P92, PARTY210 MINI, PARTY220 MINI, PARTYBOX MINI, PARTYBOX 150, MINI, A60, A65, A90, A95, A70, A68, A75, A77, A87, A97, A300, PARTY130 PRO,

PARTY700 CLUB, A50 CLUB, H75 PARTY, PARTYBOX 268, PARTYBOX310, PARTYBOX 230, PARTYBOX 170, PARTYBOX 120,

PARTYBOX 180, ATT-80W BTS, ATT-120W BTS

CTA TESTING The PCB board, circuit, structure and internal of these models Model difference

are the same, Only model number and colour is different for

these model.

CONEXION VERTICAL, C.A. CORP Applicant

Obarrio, Calle 50 con 53 0este, Torre HI-TECH, Oficina4A, Address

Ciudad de Panama, Panama

Manufacturer Shenzhen Quality Life Tech Co., Ltd.

Address Fifth Floor, Block E, Huachuangda Science Park, 176

CTATESTING Hangcheng Avenue, Sanwei Community, Hangcheng Street,

Bao'an District, Shenzhen, China

Test Result: **PASS**

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Contents

Contents 1 TEST STANDARDS 4 2 SUMMARY 5 2.1 General Remarks 5 2.2 Product Description 5 2.3 Special Accessories 5 2.4 Modifications 5	
1 TEST STANDARDS 4 2 SUMMARY 5 2.1 General Remarks 5 2.2 Product Description 5 2.3 Special Accessories 5 2.4 Modifications 5	
1 TEST STANDARDS 4 2 SUMMARY 5 2.1 General Remarks 5 2.2 Product Description 5 2.3 Special Accessories 5 2.4 Modifications 5	
1 TEST STANDARDS 4 2 SUMMARY 5 2.1 General Remarks 5 2.2 Product Description 5 2.3 Special Accessories 5 2.4 Modifications 5	
2.1 General Remarks 5 2.2 Product Description 5 2.3 Special Accessories 5 2.4 Modifications 5	
2.1 General Remarks 5 2.2 Product Description 5 2.3 Special Accessories 5 2.4 Modifications 5	
2.2 Product Description 5 2.3 Special Accessories 5 2.4 Modifications 5	
2.2 Product Description 5 2.3 Special Accessories 5 2.4 Modifications 5	
2.2 Product Description 5 2.3 Special Accessories 5 2.4 Modifications 5	
TATESIN	
TATESIN	
TATES .	
TECT ENVIRONMENT	
3 TEST ENVIRONMENT 6	
TEST	
3.1 Address of the test laboratory 6	
3.1 Address of the test laboratory 6 3.2 Test Facility 6	
3.3 Statement of the measurement uncertainty 6	
(#IN)	
4 TEST LIMIT 7	
4.1 Requirement 7	
4.2 Conducted Power Results 7 4.3 Manufacturing tolerance 8	
4.3 Manufacturing tolerance 8 4.4 Evaluation Result 8	
4.5 Simultaneous Transmission for SAR Exclusion 8	
4.5 Cimultaneous Transmission for CAR Exclusion	
The sound was a state of the st	
5 CONCLUSION 8	
C7K	
5 CONCLUSION 8	

Report No.: CTA24032800402 Page 4 of 8

1 TEST STANDARDS

The tests were performed according to following standards:

ANSI C95.1–1999: IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.

FCC KDB 447498 D01 General RF Exposure Guidance v06: Mobile and Portable Device, RF Exposure, Equipment Authorization Procedures.

FCC CFR 47 part1 1.1310: Radiofrequency radiation exposure limits.

FCC CFR 47 part2 2.1093: Radiofrequency radiation exposure evaluation: portable devices

Page 5 of 8 Report No.: CTA24032800402

SUMMARY

General Remarks

2.1 General Remarks		ATESTING		
Date of receipt of test sample		Mar. 26, 2024		TESTILL
Testing commenced on	:	Mar. 26, 2024		CTA
Testing concluded on	:	Apr. 01, 2024	2000	

	Testing concluded on		CTAIL		
ESTIN	2.2 Product Descrip	otion	73 00 TUBE		
CTATE	Product Name:	Speaker			
	Model/Type reference:	CMQ15W			
	Power supply:	DC 3.7V From battery and DC 5.0V From external circuit			
	Adapter information (Auxiliary test supplied by test Lab):	Model: EP-TA20CBC Input: AC 100-240V 50/60Hz Output: DC 5V 2A	TING		
G	Hardware version:	V1.0			
	Software version:	V1.0			
	Testing sample ID:	CTA240328004-1# (Engineer sample) CTA240328004-2# (Normal sample)	· ·		
110	Bluetooth:				
- Carrier	Supported Type:	Bluetooth BR/EDR			
	Modulation:	GFSK, π/4DQPSK			
	Operation frequency:	2402MHz~2480MHz	TES		
	Channel number:	79	CTA		
TIN	Channel separation:	1MHz			
TATES!"	Antenna type:	PCB antenna			
CVI	Antenna gain:	0.00 dBi			

2.3 Special Accessories

The following is the EUT test of the auxiliary equipment provided by the laboratory:

Description	Manufacturer	Model	Technical Parameters	Certificate	Provided by
/	/	/	/	72 72 72 72 72 72 72 72 72 72 72 72 72 7	/

Modifications 2.4

No modifications were implemented to meet testing criteria.

Report No.: CTA24032800402 Page 6 of 8

3 TEST ENVIRONMENT

3.1 Address of the test laboratory

Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

3.2 Test Facility

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

FCC-Registration No.: 517856 Designation Number: CN1318

Shenzhen CTA Testing Technology Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

A2LA-Lab Cert. No.: 6534.01

Shenzhen CTA Testing Technology Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement. The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.10 and CISPR 16-1-4:2010.

3.3 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01" Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 2 " and is documented in the Shenzhen CTA Testing Technology Co., Ltd. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen CTA Testing Technology Co., Ltd.:

Test	Range	Measurement Uncertainty	Notes	
Radiated Emission	9KHz~30MHz	3.02 dB	(1)	
Radiated Emission	30~1000MHz	4.06 dB	(1)	
Radiated Emission	1~18GHz	5.14 dB	(1)	TING
Radiated Emission	18-40GHz	5.38 dB	(1)	ES !!
Conducted Disturbance	0.15~30MHz	2.14 dB	(1)	
Output Peak power	30MHz~18GHz	0.55 dB	(1)	
Power spectral density	/	0.57 dB	(1)	
Spectrum bandwidth	/	1.1%	(1)	
Radiated spurious emission (30MHz-1GHz)	30~1000MHz	4.10 dB	(1)	
Radiated spurious emission (1GHz-18GHz)	1~18GHz	4.32 dB	(1)	
Radiated spurious emission (18GHz-40GHz)	18-40GHz	5.54 dB	(1)	
GIR C.		TATEST CTATEST	11.2	

Report No.: CTA24032800402 Page 7 of 8

4 Test limit

4.1 Requirement

According to KDB447498 D01 General RF Exposure Guidance v06 Section 4.3.1 Standalone SAR test exclusion considerations: "Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Test Exclusion Threshold condition, listed below, is satisfied. These test exclusion conditions are based on source-based time-averaged maximum conducted output power of the RF channel requiring evaluation, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions.22 The minimum test separation distance is determined by the smallest distance from the antenna and radiating structures or outer surface of the device, according to the host form factor, exposure conditions and platform requirements, to any part of the body or extremity of a user or bystander (see 5) of section 4.1). To qualify for SAR test exclusion, the test separation distances applied must be fully explained and justified by the operating configurations and exposure conditions of the transmitter and applicable host platform requirements, typically in the SAR measurement or SAR analysis report, according to the required published RF exposure KDB procedures. When no other RF exposure testing or reporting is required, a statement of justification and compliance must be included in the equipment approval, in lieu of the SAR report, to qualify for the SAR test exclusion. When required, the device specific conditions described in the other published RF exposure KDB procedures must be satisfied before applying these SAR test exclusion provisions; for example, handheld PTT two-way radios, handsets, laptops & tablets etc.23 '

[(max. power of channel, including tune-up tolerance, mW)/ (min. test separation distance, mm)] \cdot [\sqrt{f} (GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

- f (GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

4.2 Conducted Power Results

Ch	Type Channel		Output power (dBm)	
23333		0	-1.11	
	GFSK	39	-1.35	
		78	-1.14	
		0	-2.42	
	π /4DQPSK	39	-2.63	
TESTIN		78	-2.72	
CTATESTING	CAN CT	ATESTING		
			CTATES	

Page 8 of 8 Report No.: CTA24032800402

Manufacturing tolerance

	GFSK (P	'eak)		
Channel	Channel 00	Channel 39	Channel 78	
Target (dBm)	-1.0	-1.0	-1.0	
Tolerance ±(dB)	1.0	1.0	1.0	
· ·	π /4DQPSK	(Peak)		
Channel	Channel 00	Channel 39	Channel 78	
Target (dBm)	-2.0	-2.0	-2.0	
Tolerance ±(dB)	1.0	1.0	1.0	7A7
4.4 Evaluation Re	sult			GW CIN

4.4 Evaluation Result

Evaluation Results

Band/Mode	f (GHz)	Antenna Distance	RF output power (including tune-up tolerance)		SAR Test Exclusion Threshold	SAR Test Exclusion	1G	
		(mm)	dBm	mW	Threshold		71190	
BLE	2.480	5	0.0	1.0000	0.315<3.0	Yes	O .	
4.5 Simultaneous Transmission for SAR Exclusion								

Simultaneous Transmission for SAR Exclusion

N/A

5 Conclusion

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 D01v06