



CTC Laboratories, Inc.

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RF Exposure Evaluation

FCC ID: 2AZ8E-ZF01

According to KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(a)

EUT Specification

EUT	zenph smart audio sunglasses
Model/Type reference:	ZF01
Listed Model(s):	/
Frequency band (Operating)	☒ BT: 2.402GHz ~ 2.480GHz ☐ BLE: 2.402GHz ~ 2.480GHz ☐ WLAN: 2.412GHz ~ 2.462GHz ☐ Others
Device category	☒ Portable (<5mm separation) ☐ Mobile (>20cm separation) ☐ fixed (>20cm separation) ☐ Others
Antenna diversity	☒ Single antenna ☐ Multiple antennas ☐ Tx diversity ☐ Rx diversity ☐ Tx/Rx diversity
Antenna gain (Max)	2.48dBi

Limit

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f_{(\text{GHz})}}] \leq 3.0$

Where

- $f_{(\text{GHz})}$ is the RF channel transmit frequency in GHz

-Power and distance are rounded to the nearest mW and mm before calculation

-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 4.1 f) is applied to determine SAR test exclusion.

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For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : <http://yz.cnca.cn>

**Measurement Result:**

Type	Channel Frequency (MHz)	Max. Measured Power (dBm)	Tune up Tolerance (dBm)	Max. Tune up Power (dBm)	Result	Limit
GFSK	2402	-4.75	-5±1	-4	0.218	3.0
	2441	-5.39	-5±1	-4	0.220	3.0
	2480	-5.97	-6±1	-5	0.176	3.0
$\pi/4$ -DQPSK	2402	-4.76	-5±1	-4	0.218	3.0
	2441	-5.32	-5±1	-4	0.220	3.0
	2480	-5.92	-6±1	-5	0.176	3.0
8-DPSK	2402	-4.61	-5±1	-4	0.218	3.0
	2441	-5.21	-5±1	-4	0.220	3.0
	2480	-5.81	-6±1	-5	0.176	3.0

Note: For a more detailed features description, please refer to the RF Test Report.

*****THE END*****