

MPE REPORT

Report No.: SRTC2021-9004(F)-21081202(I)

Product Name: ZTE True Wireless In-Ear Headphone

Product Model: EB66G

Applicant: ZTE Corporation

Manufacturer: ZTE Corporation

Specification: FCC Part §2.1091, §2.1093, §1.1307(b), §1.1310 (2019)

FCC ID: SRQ-EB66G

The State Radio_monitoring_center Testing Center (SRTC)

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1 GENERAL INFORMATION

1.1 Notes of the test report

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1.2 Information about the testing laboratory

Company:	The State Radio_monitoring_center Testing Center (SRTC)
Address:	15th Building, No.30 Shixing Street, Shijingshan District, P.R.China
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1.3 Applicant's details

Company:	ZTE Corporation
Address:	ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong Province 518057, P. R. China
City:	Shenzhen
Country or Region:	China
Contacted person:	Wenge Wang
Tel:	86 15999501007
Email:	wang.wenge@zte.com.cn

1.4 Manufacturer's details

Company:	ZTE Corporation
Address:	ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong Province 518057, P. R. China
City:	Shenzhen
Country or Region:	China
Contacted person:	Wenge Wang
Tel:	86 15999501007
Email:	wang.wenge@zte.com.cn

2 DESCRIPTION OF THE DEVICE UNDER TEST

2.1 Final Equipment Build Status

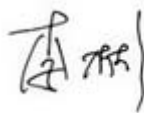
Frequency Bands	BT/BLE: 2400MHz – 2483.5MHz
Mode	BT:GFSK/ π /4DQPSK/8DPSK BLE: GFSK
Power Supply	DC Adapter
Hardware Version	V1
Software Version	V1.0
IMEI or Sample	#1

3 REFERENCE SPECIFICATION

Specification	Version	Title
2.1091	2019	Radio frequency radiation exposure evaluation: mobile devices.
2.1093	2019	Radio frequency radiation exposure evaluation: portable devices.
1.1307(b)	2019	Actions that may have a significant environmental effect, for which Environmental Assessments (EAs) must be prepared.
1.1310	2019	Radio frequency radiation exposure limits.
KDB447498	October 23, 2015	RF exposure procedures and equipment authorization policies for mobile and portable devices

4 RESULT SUMMARY

No.	Test case	FCC reference
1	MPE Calculation	FCC Part §2.1091, FCC Part §2.1093, FCC Part §1.1307(b) FCC Part §1.1310 KDB 447498

This Test Report Is Issued by: Mr. Peng Zhen 	Checked by: Mr. Li Bin 
Tested by: Mr. DuWei 	Issued date: 20210820

5 TEST RESULTS

5.1 Average Power Output Test Result

Bluetooth

Modulation type	Conducted Average Power(dBm)			Tuneup tolerance (dBm)
	2402MHz	2441MHz	2480MHz	
GFSK	4.33	4.42	4.30	4.5
$\pi/4$ DQPSK	1.24	1.34	1.27	1.5
8DPSK	1.26	1.38	1.30	1.5

BLE

Modulation type	Conducted Average Power(dBm)			Tuneup tolerance (dBm)
	2402MHz	2441MHz	2480MHz	
GFSK (LE 1Mbps)	0.13	0.27	0.28	0.5

5.2 SAR Test Exclusion Thresholds

According to the KDB447498 4.3.1(a)

For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR, 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 result is rounded to one decimal place for comparison

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.

Summary of Transmitters

Mode/Band	Freq (GHz)	Max. power of channel, including tune-up tolerance, (dBm)	Max. power of channel, including tune-up tolerance, (mW)	Min. test separation distance, (mm)	The calculation results (1g)	SAR test exclusion Threshold (1g)	SAR Required
BT	2.441	4.5	2.82	5	0.361	≤ 3.0	No
BLE	2.48	0.5	1.12	5	0.142	≤ 3.0	No

---End of Test Report---