

FCC RF EXPOSURE REPORT

FCC ID: Q78-ZXH267N11

Project No. : 2103H042
Equipment : Home Gateway
Brand Name : ZTE
Test Model : ZXHN H267N
Series Model : N/A
Applicant : ZTE Corporation
Address : ZTE Plaza, Hi-Tech Park, Nanshan District, Shenzhen, Guangdong,
518057 China
Manufacturer : ZTE Corporation
Address : ZTE Plaza, Keji Road South, Hi-Tech Industrial Park Nanshan District,
Shenzhen, Guangdong, P.R. China
Date of Receipt : Mar. 31, 2021
Date of Test : Mar. 31, 2021~Apr. 20, 2021
Issued Date : Apr. 27, 2021
Report Version : R00
Test Sample : Engineering Sample No.:SH20210331195 for radiated;
SH20210331196 for conducted; SH20210331193-4,
SH20210331193-20 for Adapter.
Standard(s) : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091
FCC Title 47 Part 2.1091, OET Bulletin 65 Supplement C

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

Maker Qi

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Apr. 27, 2021

1. MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi^2} = \frac{EIRP}{4\pi^2}$$

where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	PCB	N/A	3
2	N/A	N/A	iron	N/A	3

Note:

- (1) This EUT supports MIMO 2X2, any transmit signals are uncorrelated with each other, and the antenna gains are equal, so Directional gain = G_{ant} , that is Directional gain=3
- (2) The antenna gain provided by the manufacturer.

Operating Mode TX Mode	Ant. 1	Ant. 2	Ant. 1+2
IEEE 802.11b	✓	✓	✓
IEEE 802.11g	✓	✓	✓
IEEE 802.11n (HT20)	✓	✓	✓
IEEE 802.11n (HT40)	✓	✓	✓

2. TEST RESULTS

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. tune up Power (dBm)	Max. tune up Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3	1.99530	23	199.5262	0.0792020	1	Complies

End of Test Report