

FCC RF EXPOSURE REPORT

FCC ID: ZXHNNH267N

Project No. : 1410C211
Equipment : Home Gateway
Model : ZXHN H267N
Applicant : ZTE Corporation
**Address : ZTE Plaza, Hi-Tech Park, Nanshan District,
Shenzhen, Guangdong, P.R.China**

**According: : FCC Guidelines for Human Exposure IEEE
C95.1**

B T L I N C .

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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)	Note
1	N/A	W2G4-S01-Z	PIFA	N/A	2	TX/RX
2	N/A	N/A	PIFA	N/A	3	TX/RX

TEST RESULTS

EUT :	Home Gateway	Model Name :	ZXHN H267N
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX B MODE /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3	1.9953	24.23	264.8500	0.10518417	1	Complies
3	1.9953	24.03	252.9298	0.10045010	1	Complies
3	1.9953	22.6	181.9701	0.07226872	1	Complies

EUT :	Home Gateway	Model Name :	ZXHN H267N
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX G MODE /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3	1.9953	22.5	177.8279	0.07062368	1	Complies
3	1.9953	22.66	184.5015	0.07327408	1	Complies
3	1.9953	22	158.4893	0.06294342	1	Complies

EUT :	Home Gateway	Model Name :	ZXHN H267N
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-20M MODE_ Total /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3	1.9953	25.85	384.5918	0.15273915	1	Complies
3	1.9953	25.64	366.4376	0.14552928	1	Complies
3	1.9953	23.15	206.5380	0.08202578	1	Complies

EUT :	Home Gateway	Model Name :	ZXHN H267N
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-40M MODE_ Total /CH03, CH06, CH09		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3	1.9953	26.71	468.8134	0.18618744	1	Complies
3	1.9953	25.99	397.1915	0.15774310	1	Complies
3	1.9953	25.14	326.5878	0.12970310	1	Complies

Note: the calculated distance is 20 cm.