



FCC RF EXPOSURE REPORT

FCC ID: Q78-ZXHNH560N

Project No. : 1405C045
Equipment : Mini Wireless Router
Model : H560N
Applicant : ZTE Corporation
**Address : ZTE Plaza, Hi-Teck Park, Nanshan District,
Shenzhen, Guangdong, P.R. China**

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

BTL Inc.

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MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

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

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.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Internal	N/A	1.6
2	N/A	N/A	Internal	N/A	1.6

Note:

(1 The EUT incorporates a MIMO function. Physically, the EUT provides two completed two transmitters and two receivers (2T2R).

Operating Mode TX Mode	1TX	2TX
802.11b	V (ANT 1 or ANT 2)	-
802.11g	V (ANT 1 or ANT 2)	-
802.11n(20MHz)	-	V (ANT 1 + ANT 2)
802.11n(40MHz)	-	V (ANT 1 + ANT 2)

TEST RESULTS

EUT :	Mini Wireless Router	Model Name :	H560N
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
1.6	1.4454	17.25	53.0884	0.01527391	1	Complies
1.6	1.4454	17.07	50.9331	0.01465380	1	Complies
1.6	1.4454	17.1	51.2861	0.01475538	1	Complies

EUT :	Mini Wireless Router	Model Name :	H560N
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
1.6	1.4454	17.58	57.2796	0.01647974	1	Complies
1.6	1.4454	19.27	84.5279	0.02431926	1	Complies
1.6	1.4454	19.21	83.3681	0.02398559	1	Complies

EUT :	Mini Wireless Router	Model Name :	H560N
Temperature :	25 °C	Relative Humidity :	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-20M Mode_Total		

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
1.6	1.4454	26.09	406.4433	0.11693657	1	Complies
1.6	1.4454	25.49	353.9973	0.10184750	1	Complies
1.6	1.4454	22.95	197.2423	0.05674798	1	Complies

EUT :	Mini Wireless Router	Model Name :	H560N
Temperature :	25 °C	Relative Humidity :	60 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-40M Mode_Total		

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
1.6	1.4454	23.97	249.4595	0.07177123	1	Complies
1.6	1.4454	25.28	337.2873	0.09703991	1	Complies
1.6	1.4454	21.97	157.3983	0.04528458	1	Complies

Note: the calculated distance is 20 cm.