

FCC RF EXPOSURE REPORT

FCC ID: 2ABZMW185AP

Project No. : 1502C010
Equipment : 1750M 11AC High Power Ceiling Access Point
Model : W185AP
Applicant : SHENZHEN IP-COM NETWORKS CO.,LTD.
Address : Room 101, Unit A, First Floor, Tower E3, No.
1001, Zhongshanyuan Road, Nanshan District,
Shenzhen, China. 518052

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:

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

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.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)	Note
1	N/A	N/A	Internal	lpex	3.00	2.4G
2	N/A	N/A	Internal	lpex	3.00	2.4G
3	N/A	N/A	Internal	lpex	3.00	2.4G
1	N/A	N/A	Internal	lpex	3.00	5G
2	N/A	N/A	Internal	lpex	3.00	5G
3	N/A	N/A	Internal	lpex	3.00	5G

2.4G Only MPE

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
3.00	1.9953	29.96	990.8319	0.39350510	1	Complies

5G Only MPE

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
3.00	1.9953	20.95	124.4515	0.04942542	1	Complies

So for 2.4G+5G simultaneous transmission MPE:

$$0.3935/1 + 0.0494/1 = 0.4429 < 1$$

Note: the calculation distance is 20cm.