

FCC RF EXPOSURE REPORT

FCC ID: QMPM505PLUS

Project No. : 1707C123
Equipment : ADSL2+/Ethernet WAN,Broadband Gateway
Model : M505+
Applicant : DQ Technology, Inc.
Address : 1343 Columbia Dr. suite 415, Richardson,
Texas, United States 75081

According: : FCC Guidelines for Human Exposure IEEE
C95.1 & FCC Part 2.1091

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)
1	N/A	N/A	PCB Antenna	N/A	3.3
2	N/A	N/A	PCB Antenna	N/A	3.3

TEST RESULTS

EUT :	ADSL2+/Ethernet WAN,Broadband Gateway	Model Name :	M505+
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		

2.4G WIFI

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
3.3	2.1380	29.82	959.4006	0.40827	1	Complies

Note: the calculated distance is 20 cm.