

FCC RF EXPOSURE REPORT

FCC ID: YWTWF55724MX

Project No. : 1511C223
Equipment : WiFi Module
Model : GWF-4M02
Applicant : Shenzhen Ogemray Technology Co.
Address : 3/F~4/F,NO.5 Bldg, Dongwu Industrial Park,
Donghuan 1st Road, Longhua Town,
Shenzhen,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)
1	N/A	N/A	Printed	N/A	2
2	N/A	N/A	Printed	N/A	2

TEST RESULTS

EUT :	WiFi Module	Model Name :	GWF-4M02
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
2	1.5849	17.05	50.6991	0.01599375	1	Complies
2	1.5849	17.21	52.6017	0.01659397	1	Complies
2	1.5849	17.14	51.7607	0.01632865	1	Complies

EUT :	WiFi Module	Model Name :	GWF-4M02
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
2	1.5849	11.58	14.3880	0.00453890	1	Complies
2	1.5849	11.72	14.8594	0.00468760	1	Complies
2	1.5849	11.28	13.4276	0.00423595	1	Complies

EUT :	WiFi Module	Model Name :	GWF-4M02
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
2	1.5849	10.66	11.6413	0.00367240	1	Complies
2	1.5849	10.81	12.0504	0.00380146	1	Complies
2	1.5849	10.65	11.6145	0.00366396	1	Complies

EUT :	WiFi Module	Model Name :	GWF-4M02
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
2	1.5849	10.82	12.0781	0.00381022	1	Complies
2	1.5849	10.67	11.6681	0.00368087	1	Complies
2	1.5849	10.84	12.1339	0.00382781	1	Complies

Note: the calculated distance is 20 cm.