

# **FCC RF EXPOSURE REPORT**

**FCC ID: YWTWF7601U7MX**

**Project No. : 1511C190**  
**Equipment : 150Mbps WiFi Module**  
**Model : GWF-7M02**  
**Applicant : Shenzhen Ogemray Tech CO.,LTD**  
**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)	Note
1	N/A	N/A	Printed	N/A	2	TX/RX

## TEST RESULTS

EUT :	150Mbps WiFi Module	Model Name :	GWF-7M02
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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
2	1.5849	20.36	108.6426	0.03427286	1	Complies
2	1.5849	20.34	108.1434	0.03411539	1	Complies
2	1.5849	20.48	111.6863	0.03523306	1	Complies

EUT :	150Mbps WiFi Module	Model Name :	GWF-7M02
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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
2	1.5849	24.06	254.6830	0.08034343	1	Complies
2	1.5849	24.09	256.4484	0.08090034	1	Complies
2	1.5849	24.04	253.5129	0.07997429	1	Complies

EUT :	150Mbps WiFi Module	Model Name :	GWF-7M02
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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
2	1.5849	23.04	201.3724	0.06352583	1	Complies
2	1.5849	22.82	191.4256	0.06038796	1	Complies
2	1.5849	22.63	183.2314	0.05780300	1	Complies

EUT :	150Mbps WiFi Module	Model Name :	GWF-7M02
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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
2	1.5849	22.31	170.2159	0.05369704	1	Complies
2	1.5849	22.42	174.5822	0.05507448	1	Complies
2	1.5849	22.55	179.8871	0.05674798	1	Complies

Note: the calculated distance is 20 cm.