

# **FCC RF EXPOSURE REPORT**

**FCC ID: WS2-WG6031**

**Project No. : 1707166**  
**Equipment : WLAN module**  
**Test Model : WG6031-00**  
**Serial Model : WG6031P00**  
**Applicant : Jorjin Technologies INC.**  
**Address : 17F, No 239, Datong Road, Sec 1, Xizhi District,  
New Taipei City, Taiwan 22161**

**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)
1	WIESON	GPOT155-002	Dipole	SMA	2

## CACULATION:

Test Mode :	TX B Mode Total / CH01, CH06, CH11
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Frequency (MHz)	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
2412	2.00	1.5849	18.62	72.7780	0.02295886	1	Complies
2437	2.00	1.5849	18.89	77.4462	0.02443151	1	Complies
2462	2.00	1.5849	18.95	78.5236	0.02477139	1	Complies

Test Mode :	TX G Mode Total / CH01, CH06, CH11
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Frequency (MHz)	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
2412	2.00	1.5849	23.75	237.1374	0.07480840	1	Complies
2437	2.00	1.5849	23.81	240.4363	0.07584909	1	Complies
2462	2.00	1.5849	23.94	247.7422	0.07815385	1	Complies

Test Mode :	TX N-20M Mode Total / CH01, CH06, CH11
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Frequency (MHz)	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
2412	2.00	1.5849	21.84	152.7566	0.04818927	1	Complies
2437	2.00	1.5849	21.94	156.3148	0.04931174	1	Complies
2462	2.00	1.5849	22.11	162.5549	0.05128028	1	Complies

Test Mode :	TX N-40M Mode Total / CH03, CH06, CH09
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Frequency (MHz)	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
2422	2.00	1.5849	22.11	162.5549	0.05128028	1	Complies
2437	2.00	1.5849	22.23	167.1091	0.05271696	1	Complies
2452	2.00	1.5849	22.14	163.6817	0.05163574	1	Complies

Note: the calculated distance is 20 cm.