



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: N89-NU260HS

Project No. : 1310C111
Equipment : 2.4G Module
Model : M26H003.00
Applicant : CyberTAN Technology, Inc.
**Address : 99 Park Avenue III, Science park, Hsinchu 308
Taiwan ,R.O.C**

According: : FCC Guidelines for Human Exposure IEEE C95.1

Neutron Engineering Inc.

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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 Field Antenna:

WIFI

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	N/A	N/A	PCB	N/A	2.89	WIFI
2	N/A	N/A	PCB	N/A	2.87	WIFI

BT

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
3	N/A	N/A	Printed Antenna	N/A	N/A	BT
4	N/A	N/A	Metal Antenna	N/A	-2.11	BT



TEST RESULTS

EUT:	2.4G Module	Model Name	M26H003.00
Temperature:	24 °C	Relative Humidity:	60 %
Pressure:	1016 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX B MODE /CH01, CH06, CH11- ANT 1 + ANT 2		

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
2.89	3.1623	27.32	539.5106	0.33958646	1	Complies
2.89	3.1623	27.67	584.7901	0.36808691	1	Complies
2.89	3.1623	27.42	552.0774	0.34749645	1	Complies

EUT:	2.4G Module	Model Name	M26H003.00
Temperature:	24 °C	Relative Humidity:	60 %
Pressure:	1016 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX G MODE /CH01, CH06, CH11- ANT 1 + ANT 2		

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
2.89	3.1623	29.91	979.4900	0.61652454	1	Complies
2.89	3.1623	30.44	1106.6238	0.69654691	1	Complies
2.89	3.1623	29.69	931.1079	0.58607119	1	Complies



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EUT:	2.4G Module	Model Name	M26H003.00
Temperature:	24 °C	Relative Humidity:	60 %
Pressure:	1016 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N-20M MODE /CH01, CH06, CH11 – ANT 1 + ANT 2		

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
2.89	3.1623	29.76	946.2372	0.59559408	1	Complies
2.89	3.1623	30.34	1081.4340	0.68069157	1	Complies
2.89	3.1623	29.98	995.4054	0.62654226	1	Complies

EUT:	2.4G Module	Model Name	M26H003.00
Temperature:	24 °C	Relative Humidity:	60 %
Pressure:	1016 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N-40M MODE /CH03, CH06, CH09 – ANT 1 + ANT 2		

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
2.89	3.1623	28.88	772.6806	0.48635162	1	Complies
2.89	3.1623	29.14	820.3515	0.51635736	1	Complies
2.89	3.1623	28.75	749.8942	0.47200910	1	Complies

Note:

- 1) **Peak Output Power= Peak Output Power for WIFI+ Max Output Power for BT (4.81 dBm)**
- 2) the calculation distance is 20 cm.