



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: N89-WU322HS

Project No. : 1310C077
Equipment : WLAN Module
Model : T77H479.00
Applicant : CyberTAN Technology Inc.
Address : No. 99, Park Avenue III, Science-based
Industrial Park, Hsinchu, Taiwan

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

Neutron Engineering Inc.

No.3, Jinshagang 1st Road, ShiXia, Dalang Town, Dong Guan, China.

TEL : (0769) 8318-3000 FAX : (0769) 8319-6000



Neutron Engineering Inc.

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 Field Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
0	Foxconn	425.00179.015	Integral	N/A	1.3	TX/RX
1	Foxconn	425.00178.015	Integral	N/A	1.1	TX/RX

Note:

(1) The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R).



Neutron Engineering Inc.

TEST RESULTS

EUT:	WLAN Module	Model Name	T77H479.00
Temperature:	25 °C	Relative Humidity:	58 %
Pressure:	1016 hPa	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
1.3	1.3490	21.68	147.2313	0.04644622	1	Complies
1.3	1.3490	21.51	141.5794	0.04466325	1	Complies
1.3	1.3490	21.59	144.2115	0.04549361	1	Complies

EUT:	WLAN Module	Model Name	T77H479.00
Temperature:	25 °C	Relative Humidity:	58 %
Pressure:	1016 hPa	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
1.3	1.3490	23.52	224.9055	0.07094967	1	Complies
1.3	1.3490	23.58	228.0342	0.07193668	1	Complies
1.3	1.3490	23.81	240.4363	0.07584909	1	Complies



Neutron Engineering Inc.

EUT:	WLAN Module	Model Name	T77H479.00
Temperature:	25 °C	Relative Humidity:	58 %
Pressure:	1016 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N-20M 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
1.3	1.3490	23.57	227.5097	0.07177123	1	Complies
1.3	1.3490	23.54	225.9436	0.07127716	1	Complies
1.3	1.3490	23.50	223.8721	0.07062368	1	Complies

EUT:	WLAN Module	Model Name	T77H479.00
Temperature:	25 °C	Relative Humidity:	58 %
Pressure:	1016 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N-40M MODE /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
1.3	1.3490	20.14	103.2761	0.03257995	1	Complies
1.3	1.3490	20.18	104.2317	0.03288141	1	Complies
1.3	1.3490	20.13	103.0386	0.03250501	1	Complies

Note:

1) the calculation distance is 20 cm.