



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: 2AB3G-SNPRFM001

Project No. : 1402C179
Equipment : RF wireless Module
Model : NA
Applicant : AIC-MTN Corporation SDN BHD
Address : Lot 1, Persiaran Kemajuan, Seksyen 16, Shah Alam, Selangor Darul Ehsan, Malaysia 40200

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

Neutron Engineering Inc.

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MPE CALCULATION METHOD:

Cal $S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$ thod of RF Safety Distance:

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
A	N/A N/A		PCB N	/A	3.0	TX/RX
B	N/A N/A		PCB N	/A	3.0	TX/RX

Note: Only “one” antenna is selected for use at any one time, through the on-board Transmit-Receive / Diversity RF switch.



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TEST RESULTS

EUT:	RF wireless Module	Model Name :	N/A
Temperature: 25	°C	Relative Humidity:	60 %
Test Voltage :	120V/50Hz		
Test Mode :	TX Mode /CH01, CH02, CH03		

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
3 1.9953		16.6	45.7088	0.01815308	1	Complies
3 1.9953		16.43	43.9542	0.01745623	1	Complies
3 1.9953		15.16	32.8095	0.01303018	1	Complies

Note: The calculation distance is 20 cm.