



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: W5DIRA002

Project No. : 1008C322
Equipment : Internet Raido
Model : IRA;BT-H20XXG(XX=01-10)
Applicant : Myine Electronics LLC
Address : 3136 Hilton Ferndale, MI 48220 USA

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:

$$S = \frac{PG}{4\pi^2} = \frac{EIRP}{4\pi^2}$$

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

Ant.	Brand name	Model Name	Antenna Type	Connector	Gain (dBi)
1	Airgain	N2420	Embedded Antenna	N/A	3.8

TEST RESULTS

EUT:	Internet Radio	Model Name :	IRA
Temperature:	25 °C	Relative Humidity:	60 %
Pressure:	1012 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
3.80	2.3988	17.24	52.9663	0.02529009	1	Complies
3.80	2.3988	17.66	58.3445	0.02785803	1	Complies
3.80	2.3988	16.81	47.9733	0.02290606	1	Complies



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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
3.80	2.3988	20.47	111.4295	0.05320475	1	Complies
3.80	2.3988	21.06	127.6439	0.06094672	1	Complies
3.80	2.3988	20.81	120.5036	0.05753742	1	Complies