



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: W5DIRA003

Project No. : 1008C323
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 | 16.98 | 49.8884 | 0.02382047 | 1 | Complies |
| 3.80 | 2.3988 | 17.11 | 51.4044 | 0.02454428 | 1 | Complies |
| 3.80 | 2.3988 | 17.61 | 57.6766 | 0.02753914 | 1 | Complies |



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| | | | |
|--------------|--------------------------|--------------------|--------------|
| EUT: | Internet Radio | Model Name : | IRA |
| Temperature: | 25 °C | Relative Humidity: | 60 % |
| Pressure: | 1012 hPa | Test Voltage : | AC 120V/60Hz |
| Test Mode : | TX G MODE CH00/CH07/CH14 | | |

| 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 | 20.67 | 116.6810 | 0.05571221 | 1 | Complies |
| 3.80 | 2.3988 | 21.45 | 139.6368 | 0.06667306 | 1 | Complies |
| 3.80 | 2.3988 | 21.75 | 149.6236 | 0.07144147 | 1 | Complies |