



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: NFL-SWR2012

Project No. : 1202C171
Equipment : Wireless Receiver
Model : SW-R
Applicant : Niles Audio Corporation
Address : 1969 Kellogg Avenue Carlsbad, CA 92008 United States

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

Ant.	Brand name	Model Name	Antenna Type	Connector	Gain (dBi)
1	TEXAS	SERU120B	PCB Antenna	N/A	3.3

TEST RESULTS

EUT:	Wireless Receiver	Model Name :	SW-R
Temperature:	25 °C	Relative Humidity:	58 %
Pressure:	1009 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH2406/CH2442/CH2474		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm²)	Limit of Power Density (S) (mW/cm²)	Test Result
3.3	2.1380	12.92	19.5884	0.00833586	1	Complies
3.3	2.1380	12.86	19.3197	0.00822149	1	Complies
3.3	2.1380	12.46	17.6198	0.00749809	1	Complies