



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: NFL-SWT2012

Project No. : 1202C170
Equipment : Wireless transmitter
Model : SW-T
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.

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

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

TEST RESULTS

EUT:	Wireless transmitter	Model Name :	SW-T
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/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3.3	2.1380	12.28	16.9044	0.00719367	1	Complies
3.3	2.1380	12.34	17.1396	0.00729374	1	Complies
3.3	2.1380	12.16	16.4437	0.00699762	1	Complies