Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: WLQSB9000IHTRX

Project No.	**:** 1209061
Equipment	**:** SurroundBar 9000 Instant Home Theater
Model	**:** SURROUNDBAR 9000 SUBWOOFER
Applicant	**:** Polk Audio, Inc.
Address	**:** 5601 Metro Drive Baltimore, MD21215
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	N/A	N/A	Printed	N/A	3.3

TEST RESULTS

EUT：	SurroundBar 9000 Instant Home Theater	Model Name ：	SURROUNDBAR 9000 SUBWOOFER
Temperature：	25 ℃	Relative Humidity：	60 %
Pressure：	1012 hPa	Test Voltage ：	AC 120V/60Hz
Test Mode ：	CH01/CH25/CH49		

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**	**19.36**	**86.2979**	**0.03672403**	**1**	**Complies**
3.3	2.1380	18.45	69.9842	0.02978176	1	Complies
3.3	2.1380	17.91	61.8016	0.02629967	1	Complies