



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: TN5SB300CGG

Project No. : 1009C113
Equipment : Powered soundbar
Model : SB300 CNTR
Applicant : Harman Consumer, Inc.
Address : 8500 Balboa Blvd., Northridge, CA 91329 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:

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

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 Antenna	N/A	1.5

TEST RESULTS

EUT:	Powered soundbar	Model Name :	SB300 CNTR
Temperature:	23 °C	Relative Humidity:	51 %
Pressure:	1006 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX Mode CH01/ CH02 /CH03 2412MHz/2438MHz/2464MHz		

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
1.5	1.4125	17.8300	60.6736	0.01705887	1	Complies
1.5	1.4125	18.0000	63.0957	0.01773987	1	Complies
1.5	1.4125	17.8600	61.0942	0.01717712	1	Complies