Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: COW81000057

Project No.	**: 1206C194**
Equipment	**: Portable Stereo Sound System**
Model	**: Pill**
Applicant	**: Beats Electronics, LLC**
Address	**: 1601 Cloverfield Blvd. Suite 5000N Santa Monica, CA 90404, USA**
According:	**: FCC Guidelines for Human Exposure IEEE C95.1**

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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	PIFA Antenna	N/A	-1.95

TEST RESULTS

EUT:	Portable Stereo Sound System	Model Name :	Pill
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1009 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH00/ CH39 /CH78 -1Mbps		

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
-1.95	**0.6383**	**6.15**	**4.1210**	**0.00052354**	**1**	**Complies**
-1.95	0.6383	5.66	3.6813	0.00046768	1	Complies
-1.95	0.6383	5.18	3.2961	0.00041875	1	Complies

EUT:	Portable Stereo Sound System	Model Name :	Pill
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1009 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH00/ CH39 /CH78 -3Mbps		

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
-1.95	**0.6383**	**5.37**	**3.4435**	**0.00043747**	**1**	**Complies**
-1.95	0.6383	4.75	2.9854	0.00037927	1	Complies
-1.95	0.6383	4.00	2.5119	0.00031912	1	Complies