Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: BOU-AEA7100

Project No. : **1208C253**
Equipment : **Bluetooth Docking Speaker**
Model : **AEA7100/17,AEA7000/07,AEA7000/37,AEA7100/37**
Applicant : **Philips Consumer Lifestyle**
Address : **5/F, Philips Electronics Building,Shatin, New Territories, Hong Kong, China**

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	-0.32

TEST RESULTS

EUT:	Bluetooth Docking Speaker	Model Name :	AEA7100/17
Temperature:	25 ℃	Relative Humidity:	60 %
Pressure:	1012 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
-1.462	**0.9290**	**3.39**	**2.1827**	**0.00040360**	**1**	**Complies**
-1.462	0.9290	3.33	2.1528	0.00039806	1	Complies
-1.462	0.9290	2.97	1.9815	0.00036640	1	Complies

EUT:	Bluetooth Docking Speaker	Model Name :	AEA7100/17
Temperature:	25 ℃	Relative Humidity:	60 %
Pressure:	1012 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
-1.462	0.9290	2.75	1.8836	0.00034830	1	Complies
-1.462	**0.9290**	**2.77**	**1.8923**	**0.00034991**	**1**	**Complies**
-1.462	0.9290	2.06	1.6069	0.00029713	1	Complies