



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: BOU-SBT75

Project No. : 1201C112A
Equipment : Bluetooth Speaker
Model : SBT75XXX/zz (where X=A-W or Nil (different cabinet colour) and zz=07,17,37(different country))
Applicant : Philips Consumer Lifestyle
Address : 1600 Summer Street ,Stamford, CT 06905,United States

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	PIFA	N/A	-1.462

TEST RESULTS

EUT:	Bluetooth Speaker	Model Name :	SBT75BLK/37
Temperature:	25 °C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH00/CH39/CH78		

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	0.7142	6.50	4.4668	0.00063497	1	Complies
-1.462	0.7142	5.42	3.4834	0.00049517	1	Complies
-1.462	0.7142	3.88	2.4434	0.00034734	1	Complies

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-1.462	0.7142	5.77	3.7757	0.00053672	1	Complies
-1.462	0.7142	4.73	2.9717	0.00042243	1	Complies
-1.462	0.7142	3.14	2.0606	0.00029292	1	Complies