Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: BOU-SHOQBOX

Project No.	**:**	1112C204
Equipment	**:**	SHOQBOX
Model	**:**	SB7100/37; SB7X##/** (“x” can be 0-9, ”##” can be 00-99, “**” can be 00-99)
Applicant	**:**	Philips Consumer Lifestyle
Address	**:**	1600 Summer Street, Stamford, Connecticut, United States
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	YAGEO	3216	Ceramic Chip Antenna	U.FL	5.0

TEST RESULTS

EUT：	SHOQBOX	Model Name ：	SB7100/37
Temperature：	22 ℃	Relative Humidity：	51 %
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
5.0	3.1623	5.1600	3.2810	0.002065	1	Complies
5.0	3.1623	5.2000	3.3113	0.002084	1	Complies
5.0	3.1623	4.9200	3.1046	0.001954	1	Complies

EUT：	SHOQBOX	Model Name ：	SB7100/37
Temperature：	22 ℃	Relative Humidity：	51 %
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
5.0	3.1623	2.16	1.6444	0.001035	1	Complies
5.0	3.1623	3.31	2.1429	0.001349	1	Complies
5.0	3.1623	1.63	1.4555	0.000916	1	Complies