



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: BOU-SB3700

Project No. : 1210C081
Equipment : SoundRing Bluetooth speaker
Model : SB3700/37
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

Neutron Engineering Inc.

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MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

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

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	2.12

TEST RESULTS

EUT:	SoundRing Bluetooth speaker	Model Name :	SB3700/37
Temperature:	25 °C	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
2.12	1.6293	2.58	1.8113	0.00058742	1	Complies
2.12	1.6293	0.53	1.1298	0.00036640	1	Complies
2.12	1.6293	-1.58	0.6950	0.00022540	1	Complies

EUT:	SoundRing Bluetooth speaker	Model Name :	SB3700/37
Temperature:	25 °C	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
2.12	1.6293	1.86	1.5346	0.00049768	1	Complies
2.12	1.6293	-0.14	0.9683	0.00031401	1	Complies
2.12	1.6293	-2.33	0.5848	0.00018965	1	Complies