Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: BOU-AEA7100MIC

Project No. : **1208C254**
Equipment : **Wireless microphone**
Model : **AEA7100MIC/17,AEA7000MIC/07, AEA7000MIC/37,AEA7100MIC/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:	Wireless microphone	Model Name :	AEA7100MIC/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
-0.32	0.9290	2.01	1.5885	0.00022581	1	Complies
-0.32	0.9290	1.94	1.5631	0.00022220	1	Complies
-0.32	0.9290	1.44	1.3932	0.00019804	1	Complies

EUT:	Wireless microphone	Model Name :	AEA7100MIC/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
-0.32	0.9290	1.50	1.4125	0.00026119	1	Complies
-0.32	0.9290	1.86	1.5346	0.00028376	1	Complies
-0.32	0.9290	0.72	1.1803	0.00021825	1	Complies