



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: BOU-AEA3100

Project No. : 1209C190
Equipment : wireless receiver
Model : AEA3100/17;AEA3000/07;AEA3000/37;AEA3100/37
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	0.18

TEST RESULTS

EUT:	Wireless receiver	Model Name :	AEA3100/17
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
0.18	1.0423	0.99	1.2560	0.00026059	1	Complies
0.18	1.0423	1.06	1.2764	0.00026482	1	Complies
0.18	1.0423	1.31	1.3521	0.00028051	1	Complies

EUT:	Wireless receiver	Model Name :	AEA3100/17
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
0.18	1.0423	1.62	1.4521	0.00030127	1	Complies
0.18	1.0423	2.58	1.8113	0.00037579	1	Complies
0.18	1.0423	2.51	1.7824	0.00036979	1	Complies