

# **FCC RF EXPOSURE REPORT**

**FCC ID: ACJ-SU-G30**

**Project No. : 1510C009A**  
**Equipment : Network Audio amplifier**  
**Model : SU-G30**  
**Applicant : Panasonic Corporation of North America**  
**Address : Two Riverfront Plaza,9th Floor Newark New Jersey**  
**United States 07102-5490**

**According: : FCC Guidelines for Human Exposure IEEE C95.1**

**B T L I N C .**

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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

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)
1	N/A	N/A	Internal	N/A	-2.76

## TEST RESULTS

EUT :	Network Audio amplifier	Model Name :	SU-G30
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX MODE_1Mbps		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
-2.76	0.5297	4.24	2.6546	0.00027987	1	Complies
-2.76	0.5297	3.89	2.4491	0.00025820	1	Complies
-2.76	0.5297	3.9	2.4547	0.00025879	1	Complies

EUT :	Network Audio amplifier	Model Name :	SU-G30
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX MODE_3Mbps		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
-2.76	0.5297	3.59	2.2856	0.00024096	1	Complies
-2.76	0.5297	3.02	2.0045	0.00021132	1	Complies
-2.76	0.5297	2.83	1.9187	0.00020228	1	Complies

Note: the calculated distance is 20 cm.