

FCC RF EXPOSURE REPORT

FCC ID: UZZYAS108

Project No. : 1801C257
Equipment : FRONT SURROUND SYSTEM
Model : YAS-108, ATS-1080
Applicant : Beautiful Enterprise Co., Ltd.
**Address : 27th Floor, Beautiful Group Tower, 77
Connaught Road Central, Hong Kong, China**

**According: : FCC Guidelines for Human Exposure IEEE
C95.1 & FCC Part 2.1091**

B T L I N C .

No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, China.
TEL: +86-769-8318-3000 FAX: +86-769-8319-6000

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)	Note
1	YAMAHA	N/A	Printed Antenna	N/A	2.32	

TEST RESULTS

EUT :	FRONT SURROUND SYSTEM	Model Name :	YAS-108 ATS-1080
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		

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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
2.32	1.7061	3.85	2.4266	0.00082	1	Complies

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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
2.32	1.7061	3.10	2.0417	0.00069	1	Complies

Note: the calculated distance is 20 cm.