

FCC RF EXPOSURE REPORT

FCC ID:UZZNSWSW42

Project No. : 1702C022
Equipment : WIRELESS SUBWOOFER
Model : NS-WSW42
Applicant : Beautiful Enterprise Co., Ltd.
Address : 27th Floor, Beautiful Group Tower, 77
Connaught Road Central, Hong Kong

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

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	AN-BT001-ID50	Printed	N/A	-1.72

TEST RESULTS

EUT :	WIRELESS SUBWOOFER	Model Name :	NS-WSW42
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz_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
-1.72	0.6730	3.74	2.3659	0.00032	1	Complies
-1.72	0.6730	3.77	2.3823	0.00032	1	Complies
-1.72	0.6730	3.76	2.3768	0.00032	1	Complies

EUT :	WIRELESS SUBWOOFER	Model Name :	NS-WSW42
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz_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
-1.72	0.6730	3.81	2.4044	0.00032	1	Complies
-1.72	0.6730	3.76	2.3768	0.00032	1	Complies
-1.72	0.6730	3.76	2.3768	0.00032	1	Complies

Note: the calculated distance is 20 cm.