

FCC RF EXPOSURE REPORT

FCC ID: 2AGB6-SWSERIES

Project No. : 1707C304
Equipment : Shockwafe Sound Bar with Wireless Subwoofer
Model : PRO 7.1, ULTRA 9.2, ELITE 7.2, PLUS 5.2, PRO 5.1
Applicant : WOW Technologies (Singapore) Pte Ltd
Address : 62 Burn Road #06-01 TSH Centre Singapore

**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

BT:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)
1	N/A	N/A	PCB	N/A	2.12

2.4G SRD:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)
1	N/A	N/A	Internal	N/A	1.44
2	N/A	N/A	Internal	N/A	1.44

TEST RESULTS

EUT :	Shockwafe Sound Bar with Wireless Subwoofer	Model Name :	PRO 7.1
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		

BT

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
2.12	1.6293	3.68	2.3335	0.00076	1	Complies

2.4G SRD

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
1.44	1.3932	7.82	6.0534	0.00168	1	Complies

Note: the calculated distance is 20 cm.