FCC RF EXPOSURE REPORT

FCC ID: 2AA7Y-SPATIA

Project No.	**: 1407010**
Equipment	**: WIRELESS SPEAKER SYSTEM**
Model	**: Spatia**
Applicant	**: Aevoe Inc.**
Address	**: 14F-1,No.456,Sec.4,Xinyi Rd., Taipei City, Taiwan**
According:	**: FCC Guidelines for Human Exposure IEEE C95.1**

BTL Inc.

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MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

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	M.gear	C147-510857-A (SSR-20163)	PCB Antenna	MHF	3.07	TX
2	M.gear	C147-510857-A (SSR-20163)	PCB Antenna	MHF	3.07	RX

TEST RESULTS

EUT：	WIRELESS SPEAKER SYSTEM	Model Name :	Spatia
Temperature：	22 ℃	Relative Humidity:	60 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	TX B MODE /CH01, CH06, CH11		

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
3.07	2.0277	-5.79	0.2636	0.00010640	1	Complies
3.07	2.0277	-5.49	0.2825	0.00011401	1	Complies
3.07	2.0277	-5.62	0.2742	0.00011065	1	Complies

EUT：	WIRELESS SPEAKER SYSTEM	Model Name :	Spatia
Temperature：	22 ℃	Relative Humidity:	60 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	TX G MODE /CH01, CH06, CH11		

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
3.07	2.0277	3.44	2.2080	0.00089115	1	Complies
3.07	2.0277	3.22	2.0989	0.00084713	1	Complies
3.07	2.0277	3.03	2.0091	0.00081087	1	Complies

Note: the calculated distance is 20 cm.