

# FCC RF EXPOSURE REPORT

**FCC ID: SEP-CORE**

**Project No. : 1503C019**  
**Equipment : Wireless Speaker System**  
**Model : Core**  
**Applicant : MASS FIDELITY**  
**Address : 326 Adeliade Street West suite 400 Toronto ON**  
**M5V 1R3 Canada**

**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:

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

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.	Manufacturer	Model Name	Antenna Type	Connector	Gain(dBi)
1	N/A	N/A	Printed	N/A	3.2
2	N/A	N/A	Printed	N/A	3.2

# TEST RESULTS

EUT :	Wireless Speaker System	Model Name :	Core
Temperature :	28 °C	Relative Humidity:	60 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX Mode_Total		

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
3.2	2.0893	6.36	4.3251	0.00179867	1	Complies
3.2	2.0893	5.95	3.9355	0.00163663	1	Complies
3.2	2.0893	6.34	4.3053	0.00179040	1	Complies

Note: the calculated distance is 20 cm.