

FCC RF EXPOSURE REPORT

FCC ID: QWHMPA200BT

Project No. : 1608C183
Equipment : Portable Speaker
Model : MPA200BT
Applicant : Music Group Services PH Corp
Address : 25th Floor Ayala Life FGU Center, 6811 Ayala Avenue, Makati City 1209, Philippines

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:

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

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	BEHRINGER	N/A	PCB	N/A	0

TEST RESULTS

BT

EUT :	Portable Speaker	Model Name :	MPA200BT
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX MODE_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
0	1.0000	2.23	1.6711	0.00033	1	Complies
0	1.0000	0.37	1.0889	0.00022	1	Complies
0	1.0000	0.09	1.0209	0.00020	1	Complies

EUT :	Portable Speaker	Model Name :	MPA200BT
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX MODE_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
0	1.0000	3.76	2.3768	0.00047	1	Complies
0	1.0000	1.93	1.5596	0.00031	1	Complies
0	1.0000	1.51	1.4158	0.00028	1	Complies

LE

EUT :	Portable Speaker	Model Name :	MPA200BT
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX MODE_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
0	1.0000	4.42	2.7669	0.00055	1	Complies
0	1.0000	4.51	2.8249	0.00056	1	Complies
0	1.0000	3.98	2.5003	0.00050	1	Complies

Note: the calculated distance is 20 cm.