

FCC RF EXPOSURE REPORT

FCC ID: QWHMPA30BT

Project No. : 1606C181
Equipment : Portable Speaker
Model : MPA30BT
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:

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

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)
1	N/A	N/A	Printed	N/A	2.3

TEST RESULTS

EUT :	Portable Speaker	Model Name :	MPA30BT
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
2.3	1.6982	-2.49	0.5636	0.00019	1	Complies
2.3	1.6982	-0.67	0.8570	0.00029	1	Complies
2.3	1.6982	1.15	1.3032	0.00044	1	Complies

EUT :	Portable Speaker	Model Name :	MPA30BT
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
2.3	1.6982	-0.51	0.8892	0.00030	1	Complies
2.3	1.6982	1.79	1.5101	0.00051	1	Complies
2.3	1.6982	3.01	1.9999	0.00068	1	Complies

Note: the calculated distance is 20 cm.