

FCC RF EXPOSURE REPORT

FCC ID: QWHIP3000

Project No. : 1704C067
Equipment : Portable Speaker
Model : iP3000
Applicant : MUSIC Group Manufacturing PH Ltd.
Address : 17A Brunswick Street Hamilton HM 10
Bermuda

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:

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

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	N/A	N/A	PCB	N/A	0	N/A

TEST RESULTS

BT

EUT :	Portable Speaker	Model Name :	iP3000
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
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	8.9	7.7625	0.00155	1	Complies
0	1.0000	8.62	7.2778	0.00145	1	Complies
0	1.0000	8.27	6.7143	0.00134	1	Complies

EUT :	Portable Speaker	Model Name :	iP3000
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
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	9.53	8.9743	0.00179	1	Complies
0	1.0000	9.25	8.4140	0.00167	1	Complies
0	1.0000	8.94	7.8343	0.00156	1	Complies

BT LE

EUT :	Portable Speaker	Model Name :	iP3000
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
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	8.41	6.9343	0.00138	1	Complies
0	1.0000	8.15	6.5313	0.00130	1	Complies
0	1.0000	7.76	5.9704	0.00119	1	Complies

Note: the calculated distance is 20 cm.