

FCC RF EXPOSURE REPORT

FCC ID: QWHIP300

Project No. : 1705C233
Equipment : Loudspeaker System
Model : iP300
Applicant : MUSIC Group Manufacturing PH Ltd.
Address : 17A Brunswick Street Hamilton HM 10
Bermuda

According: : FCC Guidelines for Human Exposure IEEE
C95.1

B T L I N C .

No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, China.
TEL: +86-769-8318-3000 FAX: +86-769-8319-6000

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	Test Model	Antenna Type	Connector	Gain(dBi)
1	N/A	N/A	PIFA	N/A	0

TEST RESULTS

BT

EUT:	Loudspeaker System	Model Name :	iP300
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	6.84	4.8306	0.00096150	1	Complies
0	1.0000	6.58	4.5499	0.00090563	1	Complies
0	1.0000	6.21	4.1783	0.00083167	1	Complies

EUT:	Loudspeaker System	Model Name :	iP300
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	7.46	5.5719	0.00110905	1	Complies
0	1.0000	7.26	5.3211	0.00105913	1	Complies
0	1.0000	6.97	4.9774	0.00099072	1	Complies

LE

EUT :	Loudspeaker System	Model Name :	iP300
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	11.83	15.2405	0.00303354	1	Complies
0	1.0000	11.55	14.2889	0.00284414	1	Complies
0	1.0000	11.31	13.5207	0.00269123	1	Complies

Note: the calculated distance is 20 cm.