

FCC RF EXPOSURE REPORT

FCC ID: EMOVIB72IM

Project No. : 1606C160
Equipment : Iron Man Helmet 1 to 2 Scale Speaker
Model Name : Vi-B72IM
Applicant : SDI TECHNOLOGIES INC.
Address : 1299 Main Street, Rahway, NJ 07065, U.S.A

**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:

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

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.	Manufacturer	Model Name	Antenna Type	Connector	Gain(dBi)
1	N/A	N/A	Printed	N/A	0

TEST RESULTS

EUT :	Iron Man Helmet 1 to 2 Scale Speaker	Model Name :	Vi-B72IM
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	3.97	2.4946	0.00049654	1	Complies
0	1.0000	3.51	2.2439	0.00044663	1	Complies
0	1.0000	4.13	2.5882	0.00051517	1	Complies

EUT :	Iron Man Helmet 1 to 2 Scale Speaker	Model Name :	Vi-B72IM
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	4.04	2.5351	0.00050460	1	Complies
0	1.0000	3.51	2.2439	0.00044663	1	Complies
0	1.0000	4.09	2.5645	0.00051045	1	Complies

Note: the calculated distance is 20 cm.