

FCC RF EXPOSURE REPORT

FCC ID: RJE178874

Project No. : 1512C103
Equipment : SUPTERSTAR HOTSHOT
Model : 178874
Applicant : Monster, LLC
Address : 3837 Bay Lake Trail, Suite 103, North Las Vegas, NV 89030 United States
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	N/A	N/A	Printed	N/A	1.29

TEST RESULTS

EUT :	SUPTERSTAR HOTSHOT	Model Name :	178874
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
1.29	1.3459	5.61	3.6392	0.00097488	1	Complies
1.29	1.3459	5.82	3.8194	0.00102318	1	Complies
1.29	1.3459	5.56	3.5975	0.00096372	1	Complies

EUT :	SUPTERSTAR HOTSHOT	Model Name :	178874
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
1.29	1.3459	6.17	4.1400	0.00110905	1	Complies
1.29	1.3459	6.36	4.3251	0.00115864	1	Complies
1.29	1.3459	6.14	4.1115	0.00110141	1	Complies

Note: the calculated distance is 20 cm.