



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: COW81000071

Project No. : 1208C068
Equipment : Portable Stereo Sound System with USB port
 : with USB port
Model : beatbox portable
Applicant : Beats Electronics, LLC
Address : 1601 Cloverfield Blvd. Suite 5000N Santa
 : Monica, CA 90404, USA

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

Neutron Engineering Inc.

No.3, Jinshagang 1st Road, ShiXia, Dalang Town, Dong Guan, China.

TEL : (0769) 8318-3000 FAX : (0769) 8319-6000



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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

Ant.	Brand name	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	PIFA Antenna	N/A	0

TEST RESULTS

EUT:	Portable Stereo Sound System with USB port	Model Name :	beatbox portable
Temperature:	25 °C	Relative Humidity:	58 %
Pressure:	1009 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH00/ CH39 /CH78 -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	2.73	1.8750	0.00037321	1	Complies
0	1.0000	3.75	2.3714	0.00047201	1	Complies
0	1.0000	3.66	2.3227	0.00046233	1	Complies

EUT:	Portable Stereo Sound System with USB port	Model Name :	beatbox portable
Temperature:	25 °C	Relative Humidity:	58 %
Pressure:	1009 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH00/ CH39 /CH78 -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	1.62	1.4521	0.00028903	1	Complies
0	1.0000	2.58	1.8113	0.00036054	1	Complies
0	1.0000	2.51	1.7824	0.00035477	1	Complies