



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: COWB0514

Project No. : 1308C022
Equipment : Portable Bluetooth Speaker
Model : B0514
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.

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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	PCB	N/A	1.3

TEST RESULTS

EUT:	Portable Bluetooth Speaker	Model Name	B0514
Temperature:	25 °C	Relative Humidity:	58 %
Pressure:	1009 hPa	Test Voltage :	DC 7.2V
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
1.3	1.3490	2.51	1.7824	0.00047858	1	Complies
1.3	1.3490	5.37	3.4435	0.00092459	1	Complies
1.3	1.3490	5.82	3.8194	0.00102553	1	Complies

EUT:	Portable Bluetooth Speaker	Model Name	B0514
Temperature:	25 °C	Relative Humidity:	58 %
Pressure:	1009 hPa	Test Voltage :	DC 7.2V
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
1.3	1.3490	-1.37	0.7295	0.00019586	1	Complies
1.3	1.3490	2.27	1.6866	0.00045285	1	Complies
1.3	1.3490	2.51	1.7824	0.00047858	1	Complies