

FCC RF EXPOSURE REPORT

FCC ID: 2AERPAIWA9002

Project No. : 1605C225
Equipment : Exos-9 Portable Bluetooth Speaker
Test Model : Exos-9 9002-US
**Series Model : Exos-9 9002-UK, Exos-9 9002-XX, Exos-9
XXXX-XX(X=blank, 0~9, A~Z)**
Applicant : Hale Devices Inc
Address : 650 West Lake Street #110, Chicago, IL 60661
**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	F00030-000150	PCB	N/A	1.5

TEST RESULTS

EUT :	Exos-9 Portable Bluetooth Speaker	Model Name :	Exos-9 9002-US
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
1.5	1.4125	3.03	2.0091	0.00056487	1	Complies
1.5	1.4125	3.02	2.0045	0.00056357	1	Complies
1.5	1.4125	2.39	1.7338	0.00048747	1	Complies

EUT :	Exos-9 Portable Bluetooth Speaker	Model Name :	Exos-9 9002-US
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
1.5	1.4125	3.22	2.0989	0.00059013	1	Complies
1.5	1.4125	3.5	2.2387	0.00062943	1	Complies
1.5	1.4125	2.9	1.9498	0.00054821	1	Complies

Note: the calculated distance is 20 cm.