



## Maximum Permissible Exposure Calculations

Date of Report:

Calculations prepared for:

*Phonic Ear, Inc.*  
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Calculations prepared by:

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Model Number: Easy Listener-2 330-  
216MHz  
FCC Identification: Pending

Fundamental Operating Frequency (MHz): 216.025 - 216.975

Maximum Rated Output Power: 20.00dBm  
Measured Output Power: 15.14dBm

Power Output and Operating Frequency Information used for these calculations were from:  
CKC Laboratories, Test Report #

MPE Limit in accordance with 1.1310(b): Limits for general population/uncontrolled exposure

$$\text{MPE Limit} = 0.2 \text{ (mW/cm}^2\text{)}$$

EIRP (mW)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Result
32.66	3.60	0.2	Pass

$$\text{PowerDensity(mW / cm}^2\text{)} = \frac{\text{EIRP}}{4\pi d^2}$$

Given: **EIRP** in *mW* and **d** in *cm*

**EIRP calculated with antenna gain.**

**Max Rated Output Power based on 95.639(e) for LPRS stations**

Under normal operating conditions, the antenna is designed to maintain a separation distance of 3.60cm from all persons. As can be seen from the MPE results, this device passes the limits specified in 1.1310 at a distance of 3.60cm and at an output power of 32.66mW.

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