



Maximum Permissible Exposure Calculations

Date of Report:

Calculations prepared for:

Phonic Ear, Inc.
3880 Cypress Drive
Petaluma, CA. 94954-7600

Calculations prepared by:

Matthew Pettersen
CKC Laboratories, Inc.
5473A Clouds Rest Road
Mariposa, CA 95338

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 ²)	Result
32.66	3.60	0.2	Pass

$$\text{PowerDensity(mW / cm}^2\text{)} = \frac{\text{EIRP}}{4\pi d^2} \quad \text{Given: EIRP in mW and d in cm}$$

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.

5473-A Clouds Rest * Mariposa, CA 95338 * PH (209) 966-5240 * Fax (209) 742-6133

WORLDWIDE EMC – COMMERCIAL * INDUSTRIAL * MEDICAL * MILITARY * AVIONICS
BREA, CA * FREMONT, CA * HOLLISTER, CA * MARIPOSA, CA * HILLSBORO, OR * TILLAMOOK, OR * REDMOND, WA