Maximum Permissible Exposure (MPE) Requirement

Applicant: CaptionCall   Job Number / NEX # 293209-5
Model No.: 67T

This document was prepared in by Nemko-CCL on behalf of the applicant using data collected during testing and information provided by the applicant. The maximum power density requirements for the General Public (Uncontrolled Environtment) listed in FCC Part 1.1310 were used. The power density is calculated using the following equation. This module is also capable of asynchronous Wi-Fi transmission in addition to the Bluetooth transmission covered in this application. The Wi-Fi transmissions represent worst case and is likewise covered herein.

$$P_d = \frac{P_t\ G^*\ \text{-}}{4\pi r^2}$$

P_d = power density in watts
P_t = transmit power in milliwatts
G = numeric antenna gain
r = distance between body and transmitter in centimeters
∗ $P_t\ G$ = EIRP

The calculated power density of the EUT listed in this application is calculated below.

Max Transmit Power ERP (mW):	2.46E+02	Max Antenna Gain (dBi):	5.4
Operating Frequency (MHz):	2437	(Numeric Antenna Gain):	3.47
Min Operating Distance (cm):	20	Duty Cycle (%):	100
Power Density (mW/cm^2):		1.70E-01	
Limit (mW/cm^2):		1.00E+00	
Delta:		-8.30E-01	