
Project 12116-10

Prepared for:
Alert Technologies, Inc.
16441 Space Center Blvd.
Bldg. D-500
Houston, Texas 77058

By

Professional Testing (EMI), Inc.
1601 N. A.W. Grimes Blvd., Suite B
Round Rock, Texas 78665

April 19, 2011

MPE / RF Exposure Report
Easy Assist Call Button
Y5JEA1103

Table of Contents

Title Page	1
Table of Contents	2
Certificate of Compliance.....	4
1.0 MPE Prediction.....	4
1.1 Evaluation Procedure	4
1.2 Evaluation Criteria	4

NOTICE: (1) This Report must not be used to claim product endorsement, by NVLAP, NIST, the FCC or any other Agency. This report also does not warrant certification by NVLAP or NIST.

(2) This report shall not be reproduced except in full, without the written approval of Professional Testing (EMI), Inc.

(3) The significance of this report is dependent on the representative character of the test sample submitted for evaluation and the results apply only in reference to the sample tested. The manufacturer must continuously implement the changes shown herein to attain and maintain the required degree of compliance.



Applicant: Alert Technologies, Inc.
Applicant's Address: 16441 Space Center Blvd., Bldg. D-500
Houston, Texas 77058
FCC ID: Y5JEA1103
Project Number: 12116-10
Test Dates: January 27, 2011; February 8 & 10, April 15, 2011

I, Layne Lueckemeyer, for Professional Testing (EMI), Inc., being familiar with the FCC rules and test procedures have reviewed the test setup, measured data and this report. I believe them to be true and accurate.

A handwritten signature in black ink, appearing to read "Layne Lueckemeyer", written in a cursive style.

Layne Lueckemeyer
Product Development Engineer

This report has been reviewed and accepted by Alert Technologies, Inc. The undersigned is responsible for ensuring that this device will continue to comply with the FCC and IC rules.

1.0 MPE Prediction

Prediction of MPE limit at a given distance was made by using equation from page 18 of OET Bulletin 65, Edition 97-01.

In order to prove that SAR is not required we used the MPE calculation of the Easy Assist Call Button. The data is contained in the worksheet below.

1.1 Evaluation Procedure

$$S = PG / 4\pi R^2$$

Where: S = power density

P= power input to 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

1.2 Evaluation Criteria

MPE limit for uncontrolled exposure at prediction frequency (mW/cm²): 1.0

MPE Prediction Calculation

PROJECT #	DATE	RULE	DISTANCE	ANTENNA	RBW	VBW	DETECTOR
12116-10	April 19, 2011	Part 90	N/A	N/A	N/A	N/A	N/A

Calculations

$$S = \frac{PG}{4\pi R^2}$$

Where: S = power density

P= power input to 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

MPE Easy Assist Call Button

Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Prediction Distance (cm)	Max Antenna Gain (dBi)	Max Antenna Gain (numeric)	Power Density at 20.0 cm (mW/cm ²)
464.5	17.42	55.21	20	.85	1.216	.01336

NOTE: Antenna Gain is estimated worst case scenario.

$$.01336 \text{ mW/cm}^2 < 1.0 \text{ mW/cm}^2$$