



October 12, 2012

BABT FCB
Forsyth House,
Churchfield Road,
Walton-on-Thames,
Surrey, KT12 2TD

Attention: Director of Certification

RE: Prediction of MPE limit at a given distance as per KDB 447498 D01 Mobile Portable RF Exposure V04

IC: 10673A-280276

FCC ID: IMW280276

Equation from page 18 of OET Bulletin 65, Edition 97-01

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

where: S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to isotropic

R = distance to the center of radiation of the antenna

Maximum peak output power at antenna input terminal:	4.23	(dBm)
Maximum peak output power at antenna input terminal:	2.65	(mW)
Antenna gain (typical):	0.5	(dBi)
Maximum antenna gain:	1.122	(numeric)
Prediction distance:	20	(cm)
Source Based Time Average Duty Cycle:	100	(%)
Prediction frequency:	2402.00	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1.000	(mW/cm2)
Power density at prediction frequency:	0.0006	(mW/cm2)
Power density at prediction frequency:	0.006	(W/m2)
Margin of Compliance:	-32.28	(dB)

Since the EUT is a watch, MPE prediction distance of 1cm is also calculated:

Maximum peak output power at antenna input terminal:	4.23	(dBm)
Maximum peak output power at antenna input terminal:	2.65	(mW)
Antenna gain (typical):	0.5	(dBi)
Maximum antenna gain:	1.122	(numeric)
Prediction distance:	1	(cm)
Source Based Time Average Duty Cycle:	100	(%)
Prediction frequency:	2402.00	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1.000	(mW/cm2)
Power density at prediction frequency:	0.2365	(mW/cm2)



Power density at prediction frequency:	2.365	(W/m ²)
Margin of Compliance:	-6.26	(dB)

Sincerely,

A handwritten signature in black ink, appearing to read "Ferdie S. Custodio", is written over a horizontal line.

Ferdie S. Custodio

Name

Authorized Signatory

Title: EMC/Wireless Test Engineer