



September 19, 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: 8655A-EM110100

FCC ID: XTE- EM110100

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

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

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:	21.06	(dBm)
Maximum peak output power at antenna input terminal:	127.64	(mW)
Antenna gain (typical):	2.1	(dBi)
Maximum antenna gain:	1.622	(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/cm <sup>2</sup> )
Power density at prediction frequency:	0.0412	(mW/cm <sup>2</sup> )
Power density at prediction frequency:	0.412	(W/m <sup>2</sup> )
Margin of Compliance:	-13.85	(dB)

Sincerely,

A handwritten signature in black ink, appearing to read 'Ferdie S. Custodio'.

Ferdie S. Custodio

Name

Authorized Signatory

Title: EMC/Wireless Test Engineer