



May 23, 2013

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 V05

FCC ID: XTE-TRN-2012

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:	19.66	(dBm)
Maximum peak output power at antenna input terminal:	92.47	(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 ²)
Power density at prediction frequency:	0.0298	(mW/cm ²)
Power density at prediction frequency:	0.298	(W/m ²)
Margin of Compliance:	-15.25	(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