September 29, 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-5959A-RC03
FCC ID: TC2-RC03

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:	5.60	(dBm)
Maximum peak output power at antenna input terminal:	3.63	(mW)
Antenna gain (typical):	4.9	(dBi)
Maximum antenna gain:	3.090	(numeric)
Prediction distance:	20	(cm)
Source Based Time Average Duty Cycle:	100	(%)
Prediction frequency:	5745.00	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1.000	(mW/cm2)
Power density at prediction frequency:	0.0022	(mW/cm2)
Power density at prediction frequency:	0.022	(W/m2)
Margin of Compliance:	-26.51	(dB)

Sincerely,

Ferdie S. Custodio
Name
Authorized Signatory
Title: EMC/Wireless Test Engineer