September 5, 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
IC: 8655A-ULPD100
FCC ID: XTE-ULPD100

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:	20.89	(dBm)
Maximum peak output power at antenna input terminal:	122.74	(mW)
Antenna gain (typical):	2	(dBi)
Maximum antenna gain:	1.585	(numeric)
Prediction distance:	20	(cm)
Source Based Time Average Duty Cycle:	100	(%)
Prediction frequency:	2475.63	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1.000	(mW/cm2)
Power density at prediction frequency:	0.0387	(mW/cm2)
Power density at prediction frequency:	0.387	(W/m2)
Margin of Compliance:	-14.12	(dB)

Sincerely,

[signature]

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