



August 23, 2013

TUV SUD BABT
Octagon House, Concorde Way
Segensworth Rd N, Fareham
PO15 5RL

Attention: Director of Certification

RE: Analysis of RF Exposure for Portable use per KDB 447498 D01 Mobile Portable RF Exposure v05r01 and RSS-102 Issue 4 March 2010

IC: 5123A-BGTWT32AE
FCC ID: QOQWT32AE

Mobile MPE Calculation using a 20cm separation distance:

Using Power Density formula:

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

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

Measured radiated level @ 3 meters	94.9	(dBμV/m)
Measured radiated level converted to V/m:	0.0556	(V/m)
Maximum peak output power –Radiated	0.000927089	(Watt)
Antenna gain (typical):	0	(dBi)
Maximum antenna gain:	1	(numeric)
Prediction distance:	20	(cm)
Prediction frequency:	2441.00	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1.000	(mW/cm2)
Power density at prediction frequency:	0.00018444	(mW/cm2)
Power density at prediction frequency:	0.0018444	(W/m2)
Margin of Compliance:	-37.34	(dB)

Sincerely,

Ferdie S. Custodio

Name

Authorized Signatory

Title: Senior EMC/Wireless Test Engineer