December 13, 2013

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

Attention: Director of Certification

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

IC: 1846A-WVA
FCC ID: MCQ-WVA

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

Maximum peak output power at antenna input terminal:	16.72	(dBm)
Maximum peak output power at antenna input terminal:	46.99	(mW)
Antenna gain (typical):	0.1	(dBi)
Maximum antenna gain:	1.023	(numeric)
Prediction distance:	20	(cm)
Source Based Time Average Duty Cycle:	100	(%)
Prediction frequency:	2412	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	1.000	(mW/cm2)
Power density at prediction frequency:	0.0096	(mW/cm2)
Power density at prediction frequency:	0.096	(W/m2)
Margin of Compliance:	-20.19	(dB)

Sincerely,

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