March 19, 2014

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

Attention: Director of Certification

RE: Prediction of MPE limit at a given distance as per KDB 447498 D01 Mobile Portable RF Exposure V04 using a SMA-Female (rubber pad) with 0dBi gain antenna.

FCC ID: SGWIPS2010M800
IC: 11583A-IPS2010M800

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

ISM/SRD 400MHz Band Transceiver:

Maximum peak output power at antenna input terminal:	**-43.73**	(dBm)
Maximum peak output power at antenna input terminal:	**0.00**	(mW)
Antenna gain(typical):	**0**	(dBi)
Maximum antenna gain:	**1.000**	(numeric)
Prediction distance:	**20**	(cm)
Sourse Based Time Average Duty Cycle:	**100**	(%)
Prediction frequency:	**430**	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	**0.28666667**	(mW/cm^2)
Power density at prediction frequency:	**0.000000008**	(mW/cm^2)
Power density at prediction frequency:	**0.00000008**	(W/m^2)
Margin of Compliance:	**-75.32**	(dB)

Sincerely,

Alex Chang
Name
Authorized Signatory
Title: EMC/Wireless Test Engineer