June 09, 2015

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

Attention: Director of Certification

RE: Analysis of RF Exposure for Portable and Mobile according to FCC 2.1091 and RSS-102 Issue 5 March 2015.

FCC ID: UXUPC2
IC: 7316A-PC2

1. Mobile MPE Calculation Summary using a 20cm separation distance:

Mode	Output Power (dBm)	Power Density (mW/cm^2)
BLE	-5.34	0.2064

2. Co-Located Transmitters transmission table:

Transmitter type	Transmitter type that can transmit at the same time
-	-

3. Simultaneous Transmission MPE:

Transmitter type	MPE (mw/cm^2)	Limit (mW/cm^2)	MPE ratio (MPE/Limit)
-	-	-	-
Sum of the ratios (should be <1.0)			-

4. ***Mobile MPE Calculation using a 20cm separation distance (BLE):***

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:	**-5.34**	(dBm)
Maximum peak output power at antenna input terminal:	**0.29**	(mW)
Antenna gain(typical):	**1**	(dBi)
Maximum antenna gain:	**1.259**	(numeric)
Prediction distance:	**20**	(cm)
Sourse Based Time Average Duty Cycle:	**100**	(%)
Prediction frequency:	**2440**	(MHz)
MPE limit for uncontrolled exposure at prediction frequency:	**1.000**	(mW/cm^2)
Power density at prediction frequency:	**0.2064**	(mW/cm^2)
Power density at prediction frequency:	**2.064**	(W/m^2)
Margin of Compliance:	**-6.85**	(dB)

Sincerely,

Xiaoying Zhang

Name
Authorized Signatory
Title: EMC/Wireless Test Engineer