Subject: RF Exposure Evaluation

To Whom It May Concern,

With the following explanation, we would like to show that our product with the FCC ID HQY BHT-7500S do not exceed the applicable SAR requirements.

Using equation 4 of OET Bulletin 65 :

$R = (EIRP / 4\pi S)^{1/2}$

Where R = distance to the center of radiation of the antenna in cm
EIRP = output power (mW) x numeric gain of xmit antenna
      = 52 mW (17.1 dBm) x 1.1 (0.44 dBi gain antenna)= 57.2 mW
$S = 1$ mW/cm^2 (power density requirement for general population/uncontrolled exposure in 2-3 GHz range)

$R = (57.2 / 4\pi)^{1/2}$

R = 2.1 cm = MPE distance

R = 1.5 cm = MPE distance if you consider 50% duty cycle

OET Bulletin 65 Supplement C Section 3 recommends the following:

For cordless phone handsets and most other transmitters (as well as our bar code scanner) using monopole or dipole type antennas as an integral part of the spread spectrum transmitter, operating with EIRP of less than 200 mW at 2.45 GHz, these transmitters generally are not expected to exceed MPE limits of 1 mW/ cm^2; special instructions or warnings are normally not necessary to ensure compliance.

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Name and signature