



November 15, 2008

Federal Communications Commission  
Equipment Approval Services  
P.O. Box 258315  
Pittsburgh, PA 15251-5315

Subject: RF Radiation Exposure Limits  
FCC ID: RD60PW2P0010

The limits on RF exposure are specified in Title 47 Part 1 Section 1310. For a transmitter operating at 1900MHz, the limit is 5.0 mW/cm<sup>2</sup> for Occupational/Controlled Exposures.

To calculate the minimum safe distance:

$$D = \sqrt{10^{((P+G)/10)} / (4 \cdot \pi \cdot \text{Limit})}$$

where

D = Minimum Safe Distance (cm)  
G = Antenna Gain 10 (dBi)  
P = Transmitted Power -10 (dBm)  
Limit= 5 mW/cm<sup>2</sup>

For TX power of -10dBm with an antenna gain of 10 dBi, the minimum safe distance is 0.12 cm.

This will be installed into an access limited space, set up by trained technicians, and will be connected to an external antenna that will typically be located at the top of a large tower, thereby mitigating any exposure risk.

Please contact me if you need any additional information.

Sincerely,

A handwritten signature in blue ink that reads "Byron Kubert".

Byron Kubert  
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