

### Potential Health Hazard EM Radiation Level

The following RF Exposure information is stated in the Test Report, Section 6.5, and is repeated here.

The maximum radiation level from the unit was determined by using an W-band Standard Gain horn connected directly to a power meter. The physical aperture of this antenna is 1.869 x 2.461 cm ( $A = 4.60 \text{ cm}^2$ ). Its effective aperture at 76.5 GHz is  $2.23 \text{ cm}^2$ , based on the Gain of 22.6 dB.

For the subject DUT, we probed throughout the near-field region, rotating the probe on all axis and polarizations. The maximum power was detected at the center of the radome, co-pol with the transmit signal. We measured 0.733 mW on the power meter. For other axis and polarizations, the power was negligible.

Hence the maximum emitted power density of the device is

$$p(\text{mW}/\text{cm}^2) = P / A_{\text{eff}} = 0.733 \text{ mW} / 2.23 \text{ cm}^2 = 0.33 \text{ mW}/\text{cm}^2$$

and, hence, meets the 1.1307, 1.1310 and 2.1091 requirements.