RF Safety Calculations:

This device is neither a Mobile Device as defined in 2.1091 nor a Portable Device as defined in 2.1093.   It is used in a fixed location in a commercial application

Thus, no calculations are required

Response: New calculation below
$S = (P \times G) / (4 \times Pie \times d2)$
where:
S = power density
P = transmitter conducted power in (W)
G = antenna numeric gain
d = distance to radiation center (m) or (.02 2) = .020 cm
S= (0.073x7.08)/(4xPie X .022) S= 0.103

Enter Data in Log Units
Gain =   7.80
Numeric   8.5   dBi
Power =   73.28   mW   18.65   dBm
EIRP =   518.80   mW
R (cm) =   6.425324532
cm   S (20 cm)=   0.103211988
R (cm) =   2.873492486   cm