CG-1457
RFA-Z105

FCC/IC Exhibit

Rainforest Automation
FCC ID # YCXRFA-Z105
IC ID # 8919A-RFAZ105

RF Exposure MPE Exhibit

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = \frac{PG}{4 \Pi R^2}$$

Prediction of Maximum Permissible Exposure
Equation from page 18 of OET Bulletin 65, Edition 97-01
where: S = power density
P = power input to the antenna
G = directional power gain of the antenna relative to an isotropic radiator
R = distance to the center of radiation of the antenna

Max. peak output power at antenna terminal(dBm): **13.55**
Max. peak output power at antenna terminal(mW): **22.65**
Antenna gain for prediction(dBi): **2.55**
Antenna gain (numerical): **1.80**
Duty Cycle(%): **100**
Prediction distance(cm): **20**
Prediction frequency(MHz): **2400-2480**
Limit for uncontrolled exposure(mW/cm ²): **1.000**
S(mw/cm²) = : 0.008105 mW/cm^2

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