

MPE

Applicant: AES Corporation

Equipment: Transceiver

Model No: 7088

MPE Calculations According to the OET Bulletin 65:

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

$$R = \sqrt{\frac{PG}{4\pi S}}$$

Where:

S=Power density (in appropriate units, e.g. mW/cm²)

P=Power input to antenna (in appropriate units, e.g., mW)

G=Power gain of the antenna in the direction of interest relative to an isotropic radiator

R=Distance to the center of radiation of the antenna (appropriate units, e.g., cm)

TX Frequency Range: 400MHz to 480 MHz

P = 36.97dBm(4.97W)

Gmax = 1.0

R=40cm

Srequirement=440/1500mW/cm²=0.293 mW/cm²

S=(4970*1.0)/4 R²=0.247 mW/cm²

Test Result: PASS