

NEW FILL-IN TRANSLATOR, MILTON, FL

EXHIBIT 16 - ANSI STUDY

Formula (7) from Section II of OET 65:

$$S = (2.56) (EIRP) / (4) (PI) (R)»$$

Where:

S = Highest power density (mW/cm») at ground level

R = Distance from center antenna to ground in cm,

EIRP = 1.64 times ERP relative to dipole in mW,

Power is calculated at worst case conditions

MAX S = 1.0 mW/cm» for FM station between 88 and 108 MHz

ERP = (horizontal and vertical added times field factor».)

Station: NEW-X with antenna up 22 meters and ERP 0.3 kW

$$S = \frac{(2.56) (1.64) (1000) (250) (1.000)»}{(4) (3.14) (2,200)»}$$

S = 0.017 mW/cm», 1.7 % of Controlled Exposure allowed.

S = 0.017 mW/cm», 8.6 % of Uncontrolled Exposure allowed.

Distances from FM Table 5, OET 65-A for minimum clearance

Power 0.3 kW Worst Case height AGL is 5.2 meters

Bays 2 Best Case height AGL is 4.7 meters

Proposed height AGL is 22.0 meters Clearance +16.8 m

This ANSI study is made in accordance with OET-65. As shown this operation as proposed creates a field of RF radiation level below the level allowable under ANSI guidelines at personnel access level.

Fencing and signs are to be provided as required to prevent casual accidental exposure. The applicant will coordinate with other users to reduce power or cease operation as necessary to protect persons having access to the site, tower, or antenna from radio frequency radiation in excess of FCC guidelines.