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LSM RADIO PARTNERS LLC
APPLICATION FOR CONSTRUCTION PERMIT
WAVK(FM) 249C1 - MARATHON, FL

EXHIBIT 29 - RF EXPOSURE STUDY

The proposed facility was examined for its compliance with F.C.C. Guidelines regarding human exposure to non-ionizing radiation. The WAVK(FM) facility will utilize a Shively 6810-8-SS-DA antenna. The antenna has an element spacing of 0.5 wavelength with a center of radiation 65 meters above ground. The facility ERP is 100 kW in both the vertical and horizontal polarization planes.

The above parameters were entered into the F.C.C. OET FMMODEL computer program. The predicted maximum RF field density at two meters above ground is 10.4 $\mu\text{W}/\text{cm}^2$ at a horizontal distance of 502 meters from the antenna. This field density is well below the guideline limit of 200 $\mu\text{W}/\text{cm}^2$.

The applicant understands that RF levels in excess of the guidelines exist on the tower near the antenna elements. The tower will be fenced to prevent unauthorized access. The applicant, in cooperation with other users, will limit exposure of workers to RF fields through reduction of power or cessation of transmission as necessary.