EVIRONMENTAL STATEMENT
K297AK LOVELAND, CO, CH 297D
MOUNTAIN COMMUNITY TRANSLATORS, LLC
FCC FORM 349
DECEMBER 2014

The applicant proposes mounting a new antenna on an existing 30 meter

registered tower, # 1271533.   The proposed Center of Radiation will be 20 meters Above

Ground Level. The ERP will be 250 watts horizontal and vertical polarization. A Scala

HDCA-5/CP/RM yagi type directional antenna is proposed. Calculations were made

using FM Model for Windows, version 2.10. The proposed antenna Center of Radiation,

above ground, was reduced by 2 meters to allow for the average height of a human on the

ground. FM Model predicts a peak exposure of 30.88 µw/cm² at a distance of 6 meters

from the base of the tower. This represents 15.4 % of the allowable Maximum

Permissible Exposure ("MPE") of 200 µw/cm² for uncontrolled environments at any

point on the ground. Since the Scala antenna is not specifically listed in the FM Model

program, the worse case "Type 1" antenna was used for the study.

The applicant will ensure that the public access to the tower is restricted by

fencing, anti-climb devices or other appropriate measures.   The site will be posted with

RF warning signs.   If climbing of the tower by authorized personnel becomes necessary,

transmitter power will be reduced to safe operating levels, or transmission even

terminated, as necessary as not to exceed the RF exposure limits to tower workers. The

licensee will cooperate with other users at the site with the scheduling of such tower or

antenna maintenance.

No modification of the existing tower is proposed, other then the proposed side

mounting of the antenna system and addition of a transmission line. The tower was

constructed prior to March 16, 2001. The National Programmatic Agreement generally

allows such a collocation without consultation or review under Section 106 and Subpart

B of 36 CFR §800. The applicant believes that it is in full compliance with the

Agreement, and that no further study is required.