

VIR JAMES P. C.

TIMOTHY C. CUTFORTH P.E., DIRECTOR OF ENGINEERING
BROADCAST ENGINEERING CONSULTANTS
965 S. IRVING ST. · DENVER, CO · 80219
(303) 937-1900

DIRECTIONAL ANTENNAS
AM - FM - TV
APPLICATIONS
PROOFS
FIELD MEASUREMENTS
AUDIO AND RF ENGINEERING
EMERGENCY REPAIR

PROPOSED AM
MBC GRAND BROADCASTING, Inc.
1490 kHz 0.74kW ND-U
SILT, COLORADO
JANUARY 2009

ENGINEERING STATEMENT

Concerning an application to modify the construction permit for a new AM facility on 1490 kHz to serve Silt, Colorado.

The local landowner and zoning authorities have insisted on a minimal tower presence and since the grant of the permit the FCC has approved the Valcom flagpole type antenna for use as a standard antenna in the upper AM band. This application proposes to change to the Valcom antenna and ground system as described in DA 08-448.

MBC GRAND BROADCASTING, Inc., has received a Construction Permit to construct a new station on 1490 kHz to serve Silt, CO file number BNP20070926AON. The applicant, has retained Vir James Engineers to prepare the engineering section of Form 301 for this application.

ALLOCATIONS

The proposed operation at Silt Colorado at 740 Watts is identical to the Construction Permit operation with 1kW except for the specified VALCOM antenna and ground system. The 0.74kW IDF of 246.7 mV/m at 1km with the VALCOM antenna system is essentially identical to the authorized IDF of 247.04 mV/m at 1km in the construction permit. No change in the location of coverage or interference contours results from the proposed change in antenna.

CITY GRADE COVERAGE

The proposed daytime 5 mV/m contour fully encompasses the community of Silt. The proposed nighttime 26.6 mV/m night limit encompasses more than 80% of the population of the community of Silt as shown in the prior application file number BNP 20070926AON.

The proposed operation will use a buried radial ground system with 120 radials 36.6m in length around the base of the Valcom antenna as specified in DA 08-448.

The standard tower base protective fence will fully protect the public from exposure to excessive RF power density. No employee will be allowed to climb the tower when energized. The short tower will require only minimal construction on the site and no significant environmental effect is likely. The proposed tower is not located in or near a critical location.

SUMMARY

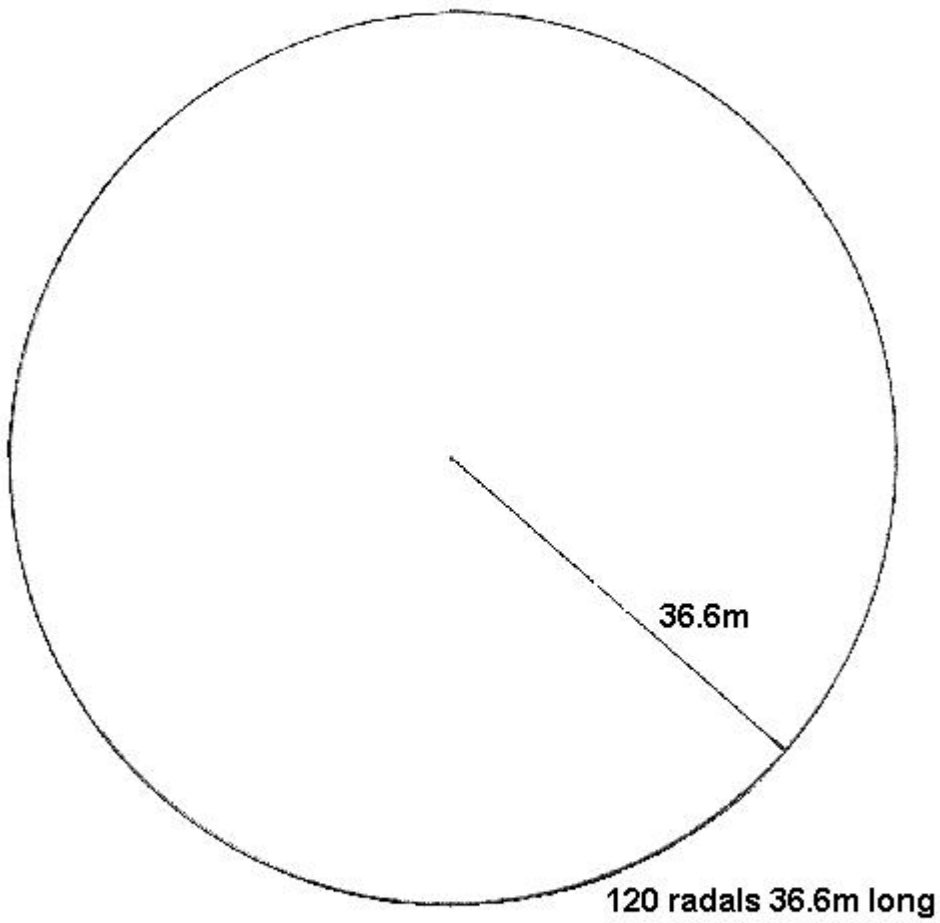
The proposed Silt AM facility will not cause interference under FCC standards and will provide a desirable service to the Silt market area.

Respectfully,

A handwritten signature in black ink that reads "Timothy C. Cutforth". The signature is written in a cursive, flowing style.

Timothy C. Cutforth P.E
5 January 2009

GROUND SYSTEM



VIR JAMES P. C.
TIMOTHY A. EUTORTH P.E. DIRECTOR OF PROFESSIONAL
BROADCAST ENGINEERING CONSULTANTS
965 S. IRVING ST. - DENVER, CO 80219
(303) 937-1900