TECHNICAL STATEMENT
KDCO, GOLDEN, COLORADO, 1550 KHZ, 5 KW D-ND, 0.35 KW DA-N
ADVANCED MODULATION BROADCASTING, LLC
FCC FORM 301
FEBRUARY 2015

The Technical Statement supports minor change application to the licensed station (BMML-20140131ART) for KDCO, a Class B station on 1550 kHz at Golden, Colorado, facility ID 161314. KDCO seeks to increase its daytime power from 0.99 KW to 5 KW and remain non-directional during the daytime hours of operation. The new increased daytime operation of KDCO will not cause any new prohibitive overlap with any other same or adjacent channel AM stations. No changes are being proposed to the current licensed nighttime operation of KDCO. It will remain operating with 0.35 KW with a two tower directional system. No changes are being made to the current licensed antenna system. Only a proposed increase in the daytime transmitter power.

Blanketing

There are zero persons residing within the 1000 mV/m contour based on the 2010 U.S. Census data. A map is attached showing the 1000 mV/m coverage area for the new daytime operations. Since there are no occupied homes within the immediate area around the tower site, no blanketing interference issues are anticipated.

Community Coverage

The proposed daytime field strength contours are attached with an exhibit. As indicated, the proposed daytime 5 mV/m contour will completely encompass the city limits of Golden. FCC M-3 ground conductivity data was used in determining the extent of the coverage contours. They current non-directional licensed operation of KDCO is

990 watts (0.99 KW). Since the new operation of KDCO will also be non-directional, but is proposing a daytime power of 5,000 watts (5 KW), it can be assumed that the city grade coverage over Golden, Colorado will only be improved.

Daytime Allocation Study

A daytime allocation study was made utilizing FCC figure M-3. Daytime field strength contours for the proposed 5 KW daytime non-directional operation were calculated in accordance with Section 73.183. Based on this analysis, the proposed facility will comply with all relevant allocation criteria. A exhibit is attached showing all of the pertinent co-channel and adjacent channel stations of interest.

Ground Level Radiofrequency Electromagnetic Field Exposure and Environmental Statement

A fence restricting access will be installed at the base of the tower to assure that persons on the property outside the fenced area will not be exposed to radiofrequency field levels in excess of those recommended by ANSI. Using Figures 2 and 3 of Supplement A to OET Bulletin 65, the worse case interpolated distance at which the electric and magnetic fields would fall below ANSI guidelines is less then 5 meters. A fence will be 5 meters (16 feet) square centered around the base of the tower. RF radiation signed will be posted on each face of the fencing. This is in compliance with the standards specified in Section 1.1307(b) for human exposure to radiofrequency radiation. The station will cease operation when maintenance work is performed on the tower to insure safety to tower personnel.

No new tower construction is being proposed. The only proposed change is an increase of daytime non-directional power from 0.99 KW to 5 KW. The night power

will remain the same or 0.35 KW with a two tower directional antenna. The two existing towers both received local zoning and NEPA approvals before construction. Thus, remain in compliance with environmental concerns.