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ENGINEERING REPORT

KMRZ-FM Superior, WY, Auxiliary Application (294C1)

ENGINEERING STATEMENT

This proposal for a 0.95 kW ERP non-directional auxiliary facility has a predicted 60 dBu F50,50 contour that is completely inside of the main facility's 60 dBu F50,50 contour. All auxiliary rule requirements are met by this proposal.

Environmental Statement

A Nicom BKG-77 single bay circularly-polarized transmit antenna will be used. (This is an EPA Type 2 antenna.)

When the auxiliary antenna is transmitting, the uncontrolled power density limit (200 $\mu\text{W}/\text{cm}^2$ for FM) will be exceeded within 16 meters (52 feet) of the base of the pole that supports the transmit antenna. This area around the antenna will be marked with warning signs to be an area that is off limit to the general public when the auxiliary service is in use.