

Technical Exhibit – License Modification

KMJB, Hudson, WY; FID # 173291

Discussion:

This application is being filed to authorize the replacement of the licensed nondirectional antenna with another nondirectional antenna within 2 meters above or 4 meters below the licensed antenna center of radiation. Licensee has replaced a 3 bay nondirectional antenna with a 4 bay nondirectional antenna, at the licensed CORAMSL. This modification includes an associated change in the transmitter power output to maintain the authorized effective radiated power.

TPO calculations:

Filter loss = 0.51 dB

Line loss = 0.343 dB

Antenna Gain = 3.2 dB (2.08 power)

TPO = 1750 watts

ERP = 3000 WATTS

TPO x SYSTEM EFFICIENCY x POWER GAIN = ERP

1750 X .825 X 2.08 = 3000 WATTS (ROUNDED)