

ANTENNA / LINE SYSTEM GAINS AND LOSSES

prepared May 2018 for

40 Below Broadcasting

New(FM) Nenana, AK

Facility ID 199595

Ch. 236 0.0012 kW 21 m

Proposed Effective Radiated Power: 0.0012 kW -29.21 dBk

Antenna System

Jampro JFWD Folded Dipole

Max Power Gain: 1.9100 kW 2.81 dB

Antenna Input Power: 0.0006 kW -32.02 dBk

Line and Other Losses

25 feet RG-213 coax 6.86dB/100' Loss: 1.72 dB

Total Loss: 1.72 dB

Transmitter Post-Mask Power Output: 0.0009 kW -30.30 dBk