

NVIS High-Angle Magnetic Loop Antenna

3.0 m Vertical Loop at 5 m Height • Peak Radiation at Zenith • 0–500 km Regional Coverage

NVIS RADIATION PATTERN — OVER GROUND

DETAILED PERFORMANCE DATA

Magnetic Loop Antenna — 80 m & 40 m Maximum Efficiency Design

Based on standard small-loop theory (Kraus, *Antennas*; Straw, *ARRL Antenna Book*).

All values are theoretical — actual performance depends on construction quality and environment.

github.com/Asteriskman2020/Magnetic-Loop-Antennas