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Radio Frequency Engineering

Antenna Parameters for W228EK, Anniston, AL

Transmitter

Antenna: Progressive Concepts Circularly Polarized PCP-1                      loss = 3.0 dBd

FeedLine: Andrew LDF-4-50 60 Feet                      Loss = 0.378 dB

Connectors (2) type N                      Loss = 0.20 dB

Lightning Arrestor PolyPhasor                      Loss = 0.20 dB

Total loss = 3.778 dB

TPO to reach 250 W ERP = 597 Watts