

WYTJ - New Antenna Information

New Antenna: ERI model 101-4F
1.92 power gain (2.833 db)
4 bay, full wave spacing

Center of Radiation: 49.6m (162.74 ft)

Feed line Type: Andrew LDF5-50A
.34 db loss / 100 FT @89 MHz

Feed line Length: 175 ft (.595 db loss)

Connector Loss: 7 type N connectors @ .1db = .7db loss

Total System Gain: +2.833 db (ant gain)

- .595 db (feed line loss)

- .7 db (connector loss)

+1.538 Total System Gain (1.425 power gain)

Transmitter: 1000 watts (licensed ERP) / 1.425 (power gain)
Power Output = 701.75 watts