

KUBT TPO

Antenna – Shively 6014-14/1-DA

ERP – 100 kW

Antenna Power Gain (From Shively Antenna Proof) 33.624

Antenna Input Power 2.974 kW

3-1/8" Rigid Line Loss = .094 dB/100 ft at 93.9 MHz

118' (100' vertical and 18' inside bldg.) Line Loss = .1109 dB

HJ11-50 TX Line Rated Loss = .111 dB/100 ft at 93.9 MHz

65 ft. – Line Loss = 0.0722 dB

Combiner Insertion Loss (Measured on-site) = 0.6635 dB

Eupen EC7-50A Rated Loss = 0.1967 dB/100 ft at 93.9 MHz

60 ft – Line Loss = 0.1180

Total Loss = 0.9646 dB

Efficiency 80.08%

TPO = 3.71 kW rounds to 3.7 kW

With -14 dBc HD 3.85 kW