

Transmitter Power Output Calculation

Transmitter Power Output

AUTHORIZED ERP: 100 KW

SHIVELY 6510-10-FW ANTENNA POWER GAIN: 5.74

465 FEET ANDREW HJ8-50B 3 INCH COAX EFFICIENCY: 0.857

TPO: 20.3286 KW

CONFIRMATION: $20.3286 \times 5.74 \times .857 = 100.0000$ KW

NOTE: TPO SHOWN AS 20.33 KW DUE TO ROUNDING AND THE RESOLUTION OF THE FORM.