

**Radio Training Network Inc**

**Fac ID 53679**

**WVFJ-FM**

**Greenville GA**

**Calculation Of Transmitter Output Power**

**STA on Vertical Bridge Tower site**

**System ERP**

**18 Kwatts**

Antenna Make

**ERI**

Antenna Model

**LP-6E-HW-DA**

No of Bays

**6 HW**

Antenna Gain

**3.614**

**Antenna Input Power**

**4.981 Kwatts**

**4 1/16" Feed Line**

**Dielectric EHT Line**

Line Length (Ft)

**850**

Line loss per 100 ft (DB)

**0.072**

Line loss (DB)

**0.612**

**3 1/8" Feed Line**

Line Length (Ft)

**5**

Line loss per 100 ft (DB)

**0.092**

Line loss (DB)

**0.005**

**Other System Losses**

(db)

(db)

MCI Broadcast 61104 3 1/8" Switch

(db)

**0**

Total System Losses (db)

**0.617**

**Feed System Effy**

**0.868**

**Transmitter Power Output**

**5.741 Kwatts**