

**TPO Claculation
Oct 2021**

Radio Training Network Inc

Fac ID 81924

**W265AZ
Franklin, NC**

Calculation Of Transmitter Output Power

| | |
|----------------------------|-----------------------------|
| System ERP | 0.2 Kwatts |
| Antenna Make | Scala |
| Antenna Model | CA2-FM/CP Yagi Array |
| No of Bays | 2 |
| Antenna Gain (PWR) | 1.45 |
| Antenna Input Power | 0.138 Kwatts |

| | |
|----------------------------|------------------------|
| Main Feed Line Type | Andrew LDF4-50A |
| Line Length (Ft) | 60 |
| Line loss per 100 ft (DB) | 0.664 |
| Line loss (DB) | 0.398 |

| | |
|---------------------------|---------------|
| Inside Jumper | RG-214 |
| Line Type | |
| Line Length (Ft) | 5 |
| Line loss per 100 ft (DB) | 2.100 |
| Line loss (DB) | 0.105 |

Other System Losses

| | |
|------|----------|
| (db) | 0 |
|------|----------|

| | |
|--------------------------|--------------|
| Total System Losses (db) | 0.503 |
| Feed System Effy | 0.891 |

| | |
|---------------------------------|---------------------|
| Transmitter Power Output | 0.155 Kwatts |
|---------------------------------|---------------------|