

ERP / TPO calculations for:

W208BA Myrtle Beach, SC

Entered by: Ray GorneyDate: 2/22/2006

Calculations:

Final**MHz:****89.5**

Qty/Lgth (or disc)

db@ (or spacing)

dBd

Watts

ERP:Ant. Gain¹

FSJ type Ant jumper

LDF type Ant. Jumper

LDF4

Connectors

Polyphaser Loss

FSJ Tx jumper

other FSJ jumper(s)³

LDF6-50

Filter(s)⁴Combiner⁴

Isolator

TPO:

| | | | |
|-----------|--------|---------|------------|
| | | 12.7875 | 19 |
| SWR FMEC1 | | 3.37 | ERP |
| 0 | 0.0097 | 0.0000 | |
| 0 | 0.0062 | 0.0000 | |
| 0 | 0.0062 | 0.0000 | |
| 4 | 0.0150 | 0.0600 | |
| 1 | 0.1000 | 0.1000 | |
| 0 | 0.0097 | 0.0000 | |
| 10 | 0.0180 | 0.1800 | |
| 325 | 0.0024 | 0.7800 | |
| (Model #) | 0 | 0.0000 | |
| SP15499 | 0 | 0.0000 | |
| T-1030 | 0 | 0.0000 | TPO |
| | | 17.2775 | 53 |

Enter desired ERP in Blue Box and other variables in the Gray boxes; ¹ Enter antenna gain as a negative number² Enter either distance between bays or from tower; ³ Enter Total lengths; ⁴ Enter Total loss**TPO determined via the direct method using the Translator Power Meter**