

ERP / TPO calculations for:

Marshalltown, IA K218CE

Entered by: Jerry jDate: 9/20/2006

Calculations:

Predicted

Qty/Lgth (or disc)

db@ (or spacing)

dBd

Watts

ERP:Ant. Gain¹

ANT90

none

19.0309

80**ERP**

FSJ type Ant jumper

0

0.0098

0.0000

LDF type Ant. Jumper

0

0.0064

0.0000

LDF4

130

0.0064

0.8320

Connectors

4

0.0150

0.0600

Polyphaser Loss

1

0.1500

0.1500

FSJ Tx jumper

5

0.0098

0.0490

other FSJ jumper(s)³

0

0.0098

0.0000

Filter(s)⁴

(Model #)

0

0.0000

Combiner⁴

SP15499

0

0.0000

Isolator

T-1030

0

0.0000

TPO**103****TPO:**

20.1219

Notes:Enter desired ERP in Blue Box and other variables in the Gray boxes; ¹ Enter any antenna gain as a negative number² Enter either distance between bays or from tower; ³ Enter Total lengths; ⁴ Enter Total loss

