

TPO Calculation - KQEZ 99.3MHz

Antenna Make = Bext
Antenna Model = TFLH0 6-Section (7/16" DIN)
Ant Gain = +7.42 dB

BPF Insertion loss = -0.17 dB

TX line Type = RFS LCF78-50JA-A7
Line loss 100ft = -0.345 dB
TX line length = 150ft
TX line Loss = -0.5175 dB

Lic ERP = 41.6136 dBW 14.499KW
TPO = 34.8811 dBW 3.027 KW

Ref:

Antenna Gain <https://bext.com/pdf/tflho/6-Bay-TFLH0-98.1MHz.pdf>
LCF78-50J <https://www.talleycom.com/images/pdf/RFSLCF78-50JA-A7.pdf>