



October 11, 2007

Calculations FCC Form 302

KRTO FM

Guadalupe, CA

Transmission Line: Andrew HJ7-50A 1-5/8" air dielectric

Length of Line: 77 Feet

Loss in dB/100 Ft. At 97.1 MHz: .20 dB

Line Efficiency At 97.1 MHz: 88.22%

Max. Average Power Rating of Line: 16.51 KW

Loss in dB at 77 feet : .154dB

Power Dissipated In Line: 48 Watts

Power At Input To Antenna: .36 KW

Antenna Make/Model: Antenna Concepts ACT2M

Max. Antenna Input Power Rating: 10 KW

Antenna Power Gain: 1.00db

Transmitter Output: .408 KW

System E. R. P.: .36 KW

Submitted,

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