



Table 1

Antenna / Line System Gains and Losses

prepared for

Midessa Broadcasting Limited Partnership

KTXC(FM) Lamesa, TX

Construction Permit File Number: BPH-20130606AAG

Authorized Effective Radiated Power: 100 kW

Antenna System

Phelps Dodge CFM HP-10 Power Gain: 5.50
10 elements, 1 wavelength spacing

Antenna Input Power: 18.18 kW

Line and Other Losses

Transmission Line Efficiency: 80.2%
4-inch, Andrew HJ11-50 (810 ft length)

Other Losses
None

Transmitter Power Output: 22.67 kW

Rounded per §73.212: 22.5 kW