

KLKO (FM) 93.7 MHZ  
ELKO, NEVADA

TRANSMITTER POWER OUTPUT  
CALCULATIONS FOR STATION LICENSE

FCC TPO POWER IS MEASURED HERE

2.68 kW

TRANSMITTER

HARMONIC FILTER

TRANSMITTER

ALL TRANSMISSION LINES (INCLUDING  
VERTICAL RUN) AND OTHER SYSTEM  
TRANSMISSION SYSTEM LOSSES

-0.588 DB = 87.34% Ef

TRANSMISSION LINE AND OTHER SYSTEM LOSES

SYSTEM POWER CALCULATIONS

2.68 kW x 87.34% x 1.92 ~ 4.5 kW

ANTENNA

4.5 kW  
MAX ERP  
GAIN 1.92

SHIVELY  
6832  
4-BAY  
FULL  
WAVE  
ANTENNA

2.344 Kw  
INPUT



KLKO (FM)

ELKO, NEVADA

SIZE  
A

FSCM NO  
N/A

DWG NO  
20141010KLKO

REV  
NONE

SCALE  
N/A

OCTOBER 2014

SHEET