

KEAU (FM) 104.7 MHZ
 ELKO, NEVADA
 TRANSMITTER POWER OUTPUT
 CALCULATIONS FOR STATION LICENSE

FCC TPO POWER IS MEASURED HERE

0.627 kW

TRANSMITTER

TRANSMITTER

ALL TRANSMISSION LINES (INCLUDING
 VERTICAL RUN) AND OTHER SYSTEM
 TRANSMISSION SYSTEM LOSSES
 -0.588 DB = 87.34% Ef

TRANSMISSION LINE AND OTHER SYSTEM LOSSES

SYSTEM POWER CALCULATIONS
 0.627 kW x 87.34% x 2.10 ~ 1.15 kW

ANTENNA

1.15 kW
 MAX ERP
 GAIN 2.10

SHIVELY
 6832
 4-BAY
 FULL
 WAVE
 ANTENNA

0.548 Kw
 INPUT



KEAU (FM)

ELKO, NEVADA

SIZE A	FSCM NO N/A	DWG NO 20141020KEAU	REV NONE
SCALE N/A	OCTOBER 2014		SHEET