

DIGITAL FLASH-CUT APPLICATION
TRI-STATE BROADCASTING, L.L.C.
KKAX-LP LPTV STATION
CH 36 - 602 - 608 MHZ - 0.022 KW (DA)
HILLTOP, ARIZONA
August 2011

EXHIBIT C

KKAX-LP Proposed Transmission System Calculations

Effective Radiated Power:	
Horizontal	0.022 kilowatt (maximum)
Antenna:	Scala Antenna Model SL-8-36
Horizontal gain (maximum):	Power gain 13.4 (11.8 dB)
Transmission Line:	Andrew Corporation LDF5-50
(100 feet)	7/8 inch foam dielectric 79.8% efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.0021 kilowatt (2.1 watts)