

**MINOR CHANGE APPLICATION/
DIGITAL FLASH-CUT
RAPID BROADCASTING COMPANY
K40GS LPTV STATION
CH 40 - 626-632 MHZ - 4.0 KW
RAPID CITY, SOUTH DAKOTA
May 2012**

EXHIBIT C

K40GS LPTV Proposed Transmission System Calculations

Effective Radiated Power: Horizontal	4.0 kilowatts
Antenna:	Andrew Corporation Model - ALP-24L3-HSE-40
Horizontal gain (maximum):	Power gain 46.89 (16.72 dB)
Transmission Line: (490 feet)	Dielectric FL-39 1 5/8 inch dielectric 49.0% efficiency
Required Transmitter Power Output To Reach Effective Radiated Power:	0.1741 kilowatt (174.1 watts)