

RADIO LICENSE HOLDING CBC, LLC.
KNEV (FM) RADIO STATION
CH 238C - 95.5 MHZ - 71.0 KW
RENO, NEVADA
February 2017

EXHIBIT A

KNEV Transmission System Calculations

Effective Radiated Power:	71.0 Kilowatts (Horizontal/Vertical)
Antenna:	ERI SHPX-6AC 6 bay full wavelength spaced antenna
Power Gain:	3.261
db Gain:	5.1335 dB
Transmission Line:	Andrew HJ8-50B
(256 feet)	3 inch air dielectric
Efficiency:	92.08 %
dB Loss:	-0.3584 dB
Bandpass Filter:	ERI 963-2
Efficiency:	96.85 %
dB Loss:	-0.139 dB
Transmission Line (15 feet):	Myat 3 1/8" Rigid
Efficiency:	99.69%
dB Loss:	-0.01362 dB
Total System Gain:	4.62248 dB
Required Transmitter Power Output To Reach Effective Radiated Power:	24.5 Kilowatts

Geographic Coordinates:	North Latitude	39° 15' 34"
	West Longitude	119° 42' 16"
Antenna Center of Radiation:	AMSL	1339.0 meters
	HAAT	695.0 meters
	AGL	71.0 meters
ASRN:	1009893	