

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 | |