

Central States Communications
Channel 19, plus offset

EXHIBIT 6, PART 5
Analog station protection and
Low power TV and TV translator protection

The LPONE program supplied via telnet by Jeremy Lansman was used to search for potential interference to analog, LPTV and TV translators. The results of this program are attached as A part of this exhibit. No problems were noted by LPONE with the exception of a channel 16 CP for Flagstaff which has never been constructed and appears to have been abandoned when checking the FCC database. Thus the application is clear for Analog Low Power and translator stations. A copy of the LPONE program output is attached (as run with the SL-8 antenna).

AMENDMENT to the above: We have been informed by fcc staff that there was a problem with the application as originally filed that was not shown to us by LPONE. There is a station KPHE that has recently received a CP with no offset requiring 46 dB QRM protection. This station is 150.31 km away at 178.16 degrees. Staff informed us that we had 34.1 dB QRM with the Scala SL-8 antenna, requiring an additional 11.9 dB attenuation to comply. Thus we are amending the application using the Andrews AL8, W pattern antenna.

Added Notes to show that 19+ is clear relative to KPHE with the Andrews AL8-W Antenna:

KPHE's CP states that their ERP is 13.8 kW and that at their location the HAAT is 1669 ft (508 meters). Using the FCC contour program the 74 dBu F50/50 contour is 33.695 km away from KPHE.

As KPHE is 150.31 km away from 19+ at 178.16 degrees, then the distance to the 74dBu contour from 19+ is 116.62 km. In the direction towards KPHE from 19+, 178.16 degrees, the HAAT is 637 meters with a power in that direction of -6.9 dBk. (See Exhibit 2).

Using the FCC contour program the F50/10 signal strength in the direction of KPHE (178.16 degrees) at 116.62 km is 27.758 dBu.

As at the edge of KPHE's 74 dBu contour the signal strength from the proposed channel 19+ will be 27.758 dBu, the QRM will be 74 minus 27.758 or 46.24 dB. As we are allowed to be no less than 45 dB, we are Thus clear for Analog Low Power, and Translator stations.