

TECHNICAL EXHIBIT
DIGITAL FLASH CUT APPLICATION
STATION WOHL-DC (FACILITY ID 68549)
LIMA, OHIO
CH 25 15 KW (MAX-DA)

Technical Narrative

This Technical Exhibit supports an application to “flash-cut” to digital operation for Class A television station WOHL-CA. Station WOHL-CA is licensed to operate on analog channel 25 with a directional antenna maximum (visual) effective radiated power (ERP) of 16.5 kW and an antenna height above mean sea level (RCAMSL) of 352 meters (BLTTL-19990716JA). WOHL-CA is proposing to flash cut to digital using its current antenna at its current transmitter site.

Proposed Facilities

This application proposes to flash-cut to digital mode on channel 25 at the current transmitter site, using the current antenna. The site coordinates remain (NAD27): 40-38-03 N, 84-12-29 W. A Kathrein-Scala (SCA), 2-panel array (CDBS lists the model as ODD980601LG) directional antenna with a maximum ERP of 15 kW and antenna RCAMSL of 453.3 meters is proposed. The tower registration number is 1012273.

Figure 1 is a map showing the licensed and proposed coverage contours. As is apparent on the map, the proposed 51 dBu digital contour will have some common contour overlap with the licensed 74 dBu contour.

Allocation Considerations

A study has been conducted to assure that the proposal will not create prohibited interference with other licensed, authorized or pending analog or digital TV, LPTV/translator and Class A TV stations. The proposal appears to comply with the FCC's OET-69 Bulletin processing procedures. If necessary, a waiver of the FCC rules is respectfully requested based on use of the FCC's OET-69 Bulletin.

The applicant understands that it must correct and/or eliminate prohibited interference that may result from its proposed operation.

Canadian Allocation Consideration

The existing WOHL transmitter site is located 166 kilometers from the U.S./Canadian border. There are no known Canadian stations of concern (i.e., co-channel within 400 kilometers or 1st-adjacent channel within 250 kilometers) for the proposed WOHL-DC operation. Thus, it is believed that the proposal complies with the U.S./Canadian Letter of Understanding (LOU). If coordination is required, it is respectfully requested.

Radiofrequency Electromagnetic Field Exposure

The proposed WOHL-DC facilities were evaluated in terms of potential radio frequency (RF) energy exposure at ground level to workers and the general public. The radiation center for the antenna is located 190 meters above ground level. The maximum proposed ERP is 15 kW. A conservative relative field value of 0.5 was assumed for the directional antenna's downward radiation. The calculated power density at a point 2 meters (6.6 feet) above ground level is 0.0035 mW/cm². This is less than 5% of the FCC's recommended limit of 0.36 mW/cm² for channel 25 for an "uncontrolled" environment.

Access to the transmitting site will be restricted and appropriately marked with warning signs. As this is a multi-user site, an agreement will control site access. In the event that workers or other authorized personnel enter restricted areas or climb the tower,

appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time, wearing "accepted" RFR protective clothing and/or RFR exposure monitors or scheduling work when the stations are at reduced power or shut down.

It is noted that this statement only addresses the potential for radiofrequency electromagnetic field exposure. All other aspects of the environmental processing analysis will be or already have been provided to the FCC by the tower owner as part of the tower registration process.

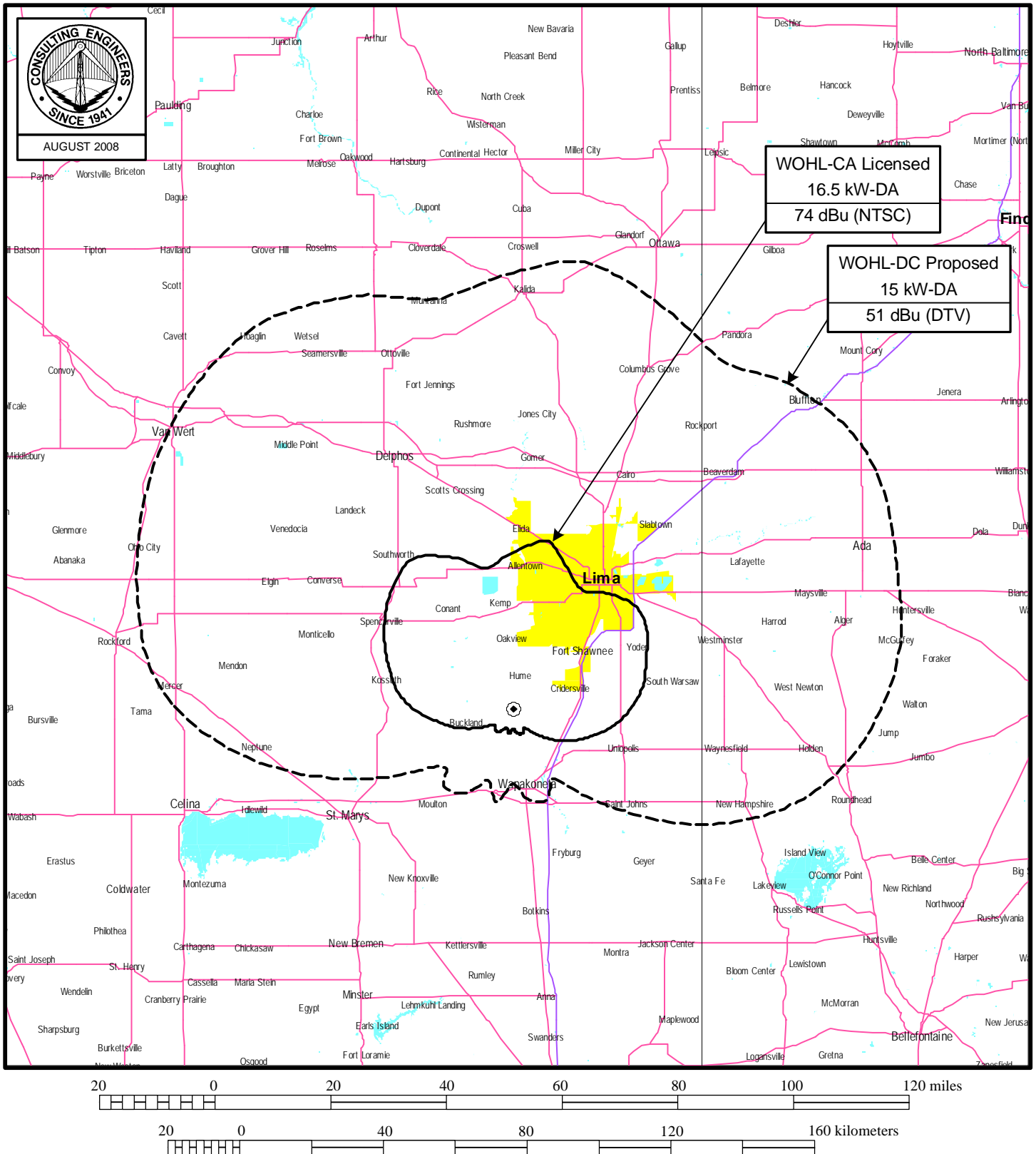


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Figure 1



PREDICTED COVERAGE CONTOURS

STATION WOHL-DC

LIMA, OHIO

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