

TECHNICAL SUMMARY
REQUEST FOR SPECIAL TEMPORARY AUTHORITY (STA)
CLASS A TELEVISION STATION KFOL-CD (STA)
HOUMA, LOUISIANA
CHANNEL 30 2.73 KW 36 M AMSL

1. The instant request is for Special Temporary Authority (STA) for KFOL-CD, Houma, LA, which is licensed for operation on Channel 30.* The KFOL-CD transmission facility suffered significant damage due to Hurricane Ida, which struck Louisiana on August 29, 2021. The licensee has constructed a temporary facility for KFOL-CD to restore service to the public in the Houma area.

2. The proposed STA facility is located on the rooftop of the Robert “Bobby” Bergeron Government Tower building located at 8026 Main St., Houma, LA. As indicated in the TOWAIR Study exhibit, the transmitting antenna installation is compliant with the 6.1-m (20-foot) Rule criteria.

3. The transmitting antenna consists of an array of four CO-4U/8 broadband panels pointed at the true azimuths 0°, 135°, 180° and 290°. This antenna arrangement is estimated to produce an RMS omnidirectional pattern with a gain of 5.0 dBd. Considering the transmitter power output of 1.1 kW fed into a 37 m (120 ft) length of AVA5-50 transmission line, the effective radiated power is calculated to be 2.73 kW.

4. The predicted service contour for the proposed KFOL-CD STA facility is fully contained within the predicted service contour of the licensed KFOL-CD facility in accordance with FCC requirements. This is demonstrated in the Predicted Service Contours exhibit.

* See FCC File No. BLDTA-20100111AGW (Facility ID 24978).