

TECHNICAL EXHIBIT
DIGITAL FLASH-CUT APPLICATION FOR
CLASS A TV STATION KJUN-CA (FACILITY ID 24979)
MORGAN CITY, LOUISIANA
CH 7 0.0001 KW (MAX-DA)

Technical Narrative

This Technical Exhibit supports a flash-cut digital television (DTV) application for Class A television (TV) station KJUN-CA at Morgan City, Louisiana (Facility ID 24979). Station KJUN-CA is licensed (BLTVA-20050607AAM) to operate on analog channel 7(0) with a directional antenna (DA) maximum visual effective radiated power (ERP) of 0.013 kilowatt (kW). The antenna radiation center height (RCAMSL) is 101.5 meters above mean sea level (AMSL). The FCC antenna structure registration number is 1058836 and the site coordinates are 29-45-15, 91-10-26 (NAD-27).

Proposed Facilities

This application proposes digital operation on the current channel (7), at the current transmitter site, at the same antenna height, and with the same antenna system. The current Scala model HDCA-10 composite directional antenna system (FCC model ODD950810JG) will be used. The major lobe remains oriented toward 200 degrees True. The proposed maximum DTV ERP is 0.0001 kW and the antenna RCAMSL will remain 101.5 meters AMSL. The low proposed ERP is because of the FCC's current freeze on TV/DTV/Class A TV applications that constrain KJUN-CA's DTV operation so that its DTV coverage does not exceed the present analog coverage (see Figure 1).

Figure 1 is a map showing the licensed 68 dBu (analog) and proposed 48 dBu (digital) coverage contours. As can be seen on the map, there is common area where both contours overlap. In addition, since KJUN-CA is a Class A station, the proposed DTV contour is completely within the analog contour, complying with the FCC's current freeze.

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. Using the procedures outlined in the FCC's OET-69 Bulletin, a 1 kilometer grid, and 1990 U.S. Census, the proposal complies with the current FCC policy (i.e., less than 0.5% new interference caused to other pertinent assignments). If necessary, a waiver of the FCC rules is respectfully requested based on use of the procedures outlined in 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.

Radiofrequency Electromagnetic Field Exposure

The proposed KJUN-CA 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 100 meters above ground level. The proposed maximum ERP is 0.0001 kW. Based on a downward relative field of 1.0, the calculated power density at a point 2 meters (6.6 feet) above ground level will not exceed 1% of the FCC's recommended limit of 0.2 mW/cm^2 for channel 7 for an "uncontrolled" environment.

Access to the transmitting site will be restricted and appropriately marked with warning signs. 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.

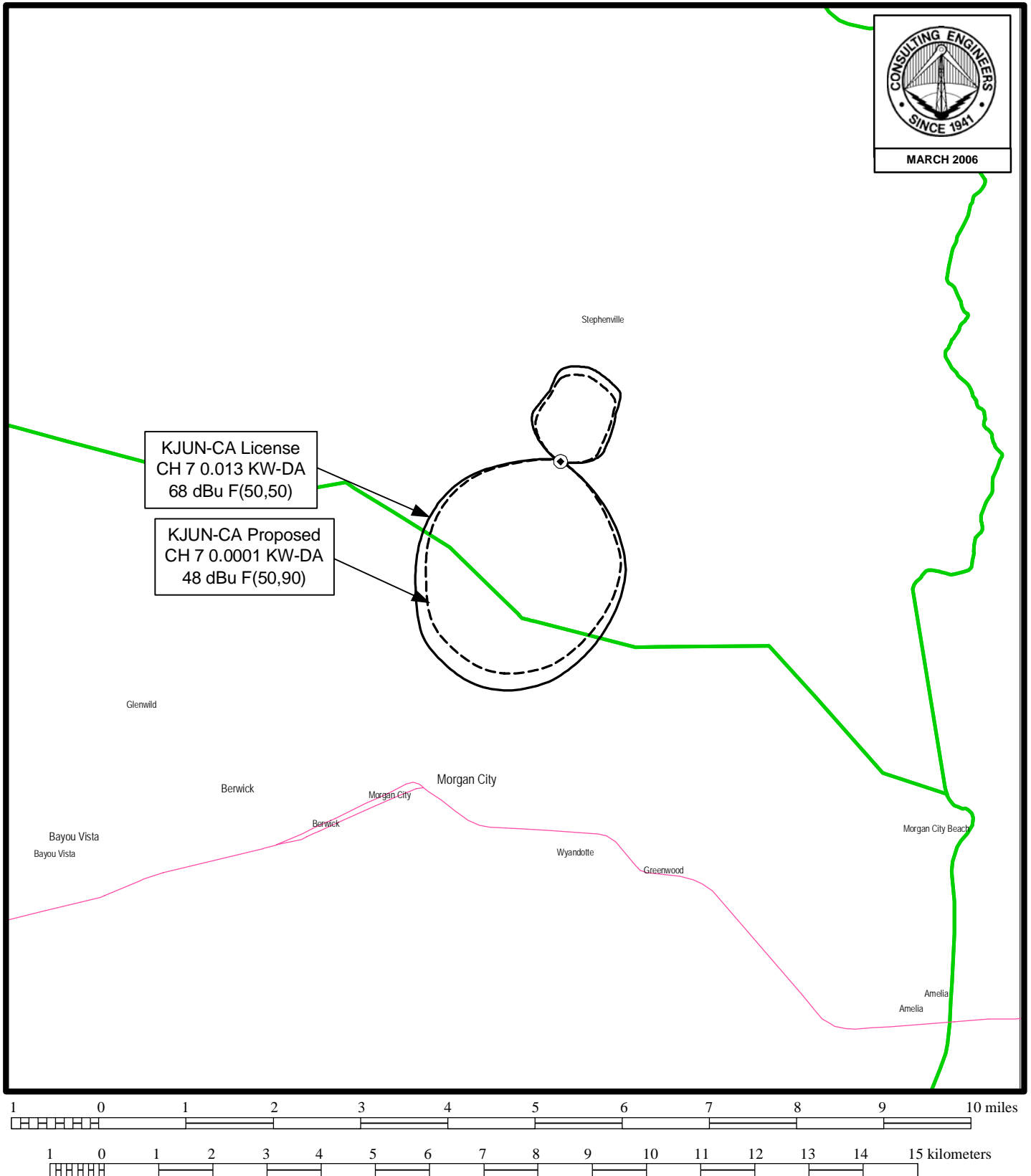


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Figure 1



PREDICTED COVERAGE CONTOURS

STATION KJUN-CA
MORGAN CITY, LOUISIANA

du Treil, Lundin & Rackley, Inc. Sarasota, Florida