TECHNICAL EXHIBIT
DIGITAL FLASH-CUT APPLICATION FOR
CLASS A TV STATION WVUP-CA (FACILITY ID 3032)
TALLAHASSEE, FLORIDA
CH 45 1.1 KW

Technical Narrative

This Technical Exhibit supports a flash-cut application for Class A television station WVUP-CA. Station WVUP-CA is licensed to operate on analog channel 45 with a non-directional maximum (visual) effective radiated power (ERP) of 150 kW and an antenna height above mean sea level (RCAMSL) of 305.2 meters (BLTTA-20040727AEJ).

Proposed Facilities

This application proposes digital operation on the currently licensed channel (45), at the authorized transmitter site, antenna height and antenna system. The transmitter site coordinates remain (NAD27): 30-34-27 N, 84-12-09 W. A non-directional antenna, with a maximum ERP of 1.1 kW and antenna RCAMSL of 305.2 meters is proposed. The FCC Tower Registration Number for the existing tower is 1031203.

Figure 1 is a map showing the licensed 74 dBu (analog) and proposed 51 dBu (digital) coverage contours. As can be seen on the map, there is common area where both contours overlap. In addition, since WVUP-CA is a Class A station, the proposed digital contour is completely within the analog contour, complying with the current FCC 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 WVUP-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 261 meters above ground level. The proposed ERP is 1.1 kW. Based on a worst case vertical relative field of 1.0, the calculated power density at two meters above ground level at the base of the tower is 0.0005 milliwatt per square centimeter (mW/cm^2), or 0.11 percent of the Commission's recommended limit applicable to general population/uncontrolled exposure areas (0.44 mW/cm^2 for TV channel 45). Therefore, the facility complies with the FCC's RF emission rules.

Access to the transmitting site will be restricted and appropriately marked with warning signs. Furthermore, as this is a multi-user site, an agreement will be in effect to control access to the site. In the event that workers or other authorized personnel enter the restricted area appropriate measures shall be taken to limit RF energy exposure. Such measures include limiting the exposure time, wearing protective clothing, reducing power to an acceptable level or termination of transmitter output power all together until workers leave the restricted area.

It is noted that this statement only addresses the potential for radiofrequency electromagnetic field exposure.

If there are questions concerning the technical portion of this application, please contact the office of the undersigned.

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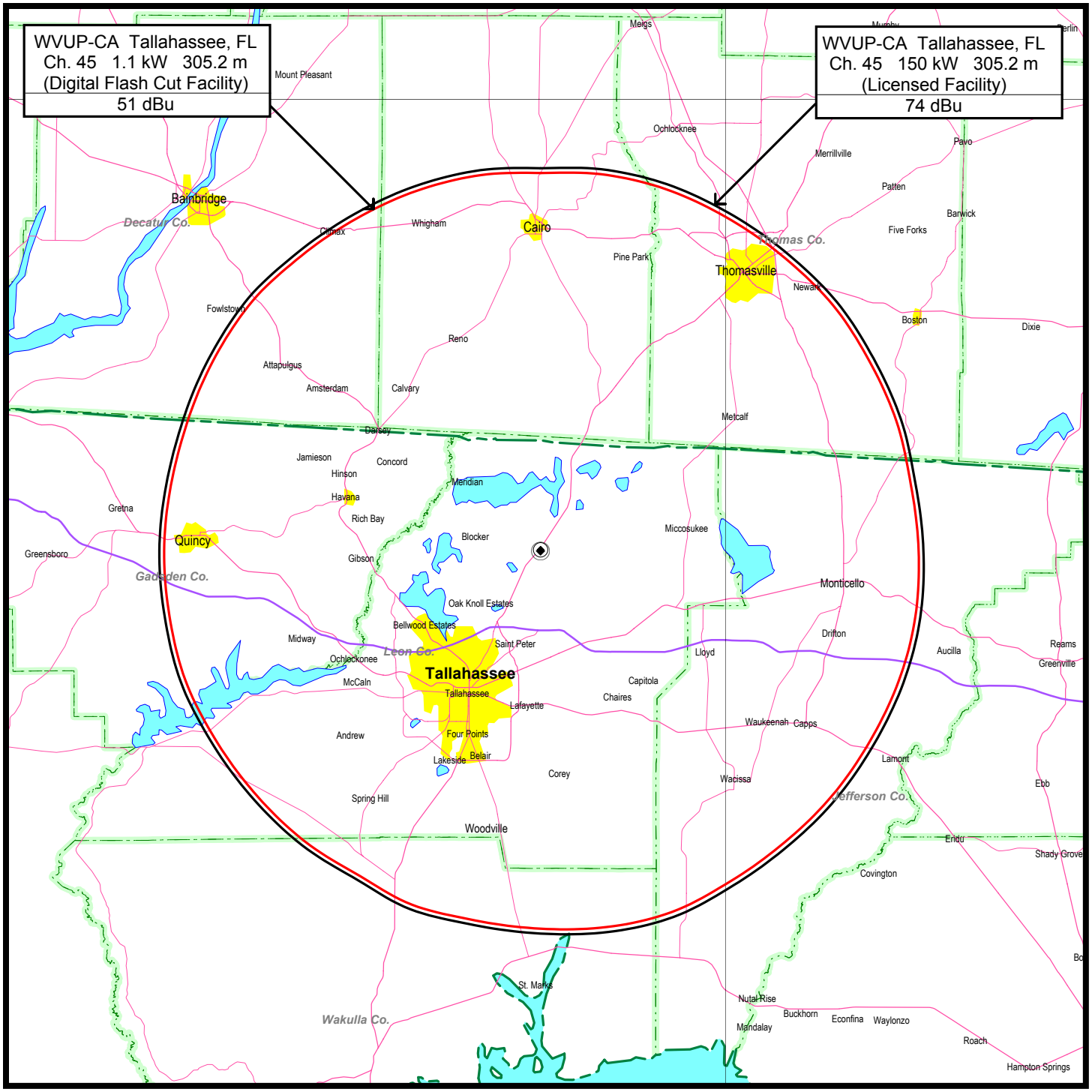

15 0 15 30 45 60 75 90

Kilometers

FCC PREDICTED COVERAGE CONTOURS

CLASS A STATION WVUP-CA
TALLAHASSEE, FLORIDA
CH 45 1.1 KW 305.2 m (RCAMSL)

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