

TECHNICAL SUMMARY
APPLICATION FOR AN AUXILIARY OPERATION
CLASS A STATION W30CV-D
HILTON HEAD ISLAND, SOUTH CAROLINA
CHANNEL 30 0.45 KW (ND)

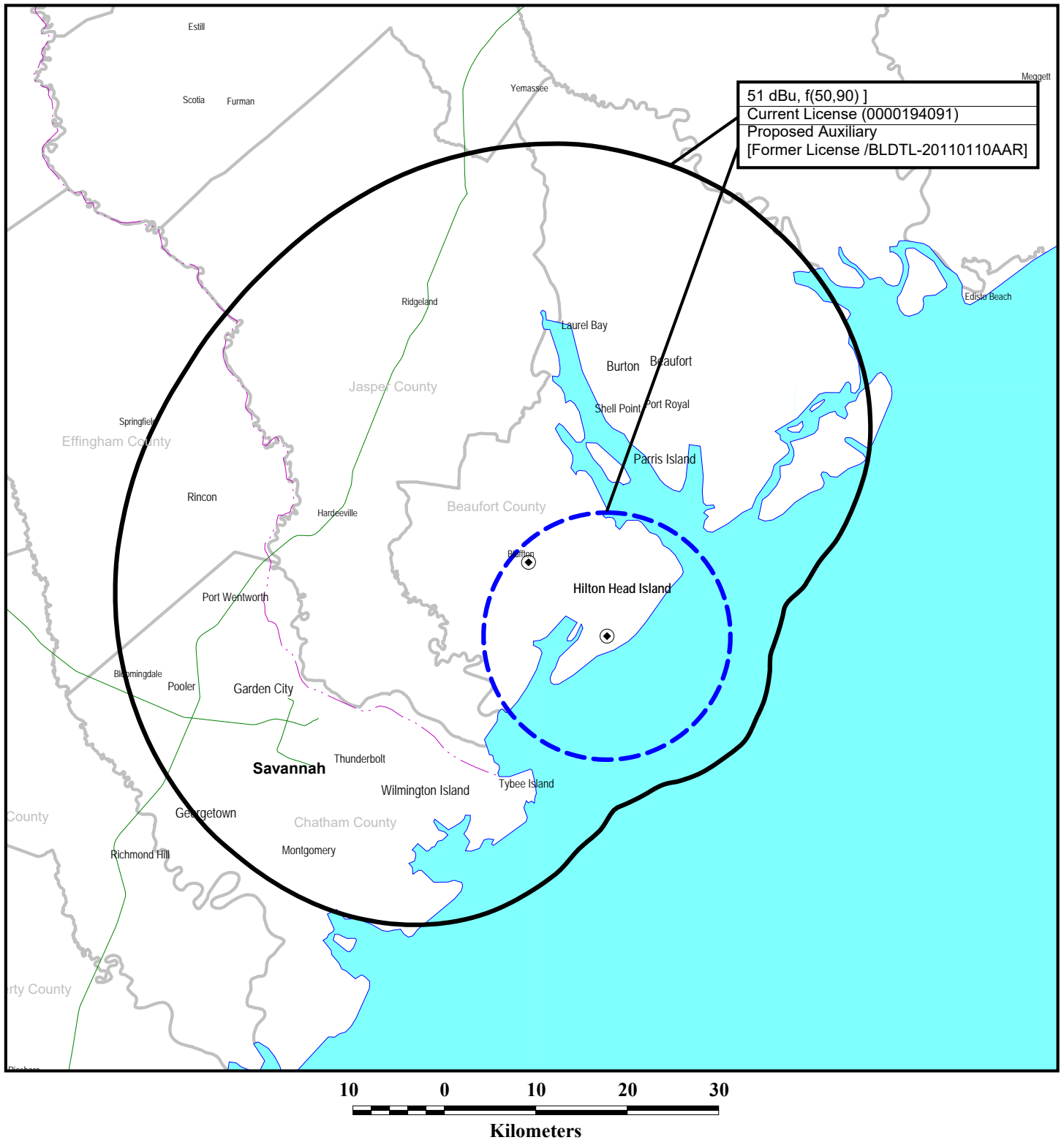
1. The instant application is for an auxiliary operation for digital Class A (DCA) station W30CV-D on channel 30 at Hilton Head Island, South Carolina. Specifically, W30CV-D proposes to use its formerly licensed main facility (FCC File No. BLDLTL-20110110AAR) as an auxiliary facility pursuant to Section 73.1675(c)(1). The proposed W30CV-D auxiliary facility will operate on channel 30 from its formerly licensed main site location with a maximum ERP of 0.45 kW using an existing Scala SL8 nondirectional antenna side-mounted at a height of 15 meters above ground level on the supporting structure.

2. As indicated by Figure 1, there will be no extension of the 51 dBu, f(50,90) predicted service contour of the auxiliary facility beyond that of the licensed main facility (FCC File No. 0000194091) which complies with Section 73.1675(a)(1)(iv).

3. RFR Compliance: The proposed facilities were evaluated in terms of potential radiofrequency radiation (RFR) exposure at ground level to workers and the general public. The radiation center for the proposed DTV antenna will be located 15 meters above ground level. The total DTV ERP is 0.45 kW (horizontal polarization). A greater than expected vertical plane relative field value of 0.25 is presumed for the antenna's downward radiation (for angles below 60 degrees downward, see vertical plane relative field pattern attached as Figure 2). The calculated power density at a point 2 meters above ground level is 5.6 uW/cm² which is only 1.48% of the FCC's recommended limit of 379.3 uW/cm² for channel 30 for an uncontrolled environment.

Access to the transmitting site is restricted and appropriately marked with RFR warning signs. Furthermore, a formal RFR protection protocol will be in effect in the event that workers or other authorized personnel enter the restricted area or climb the tower to ensure that appropriate measure will be taken to assure worker safety with respect to RFR 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.

Figure 1

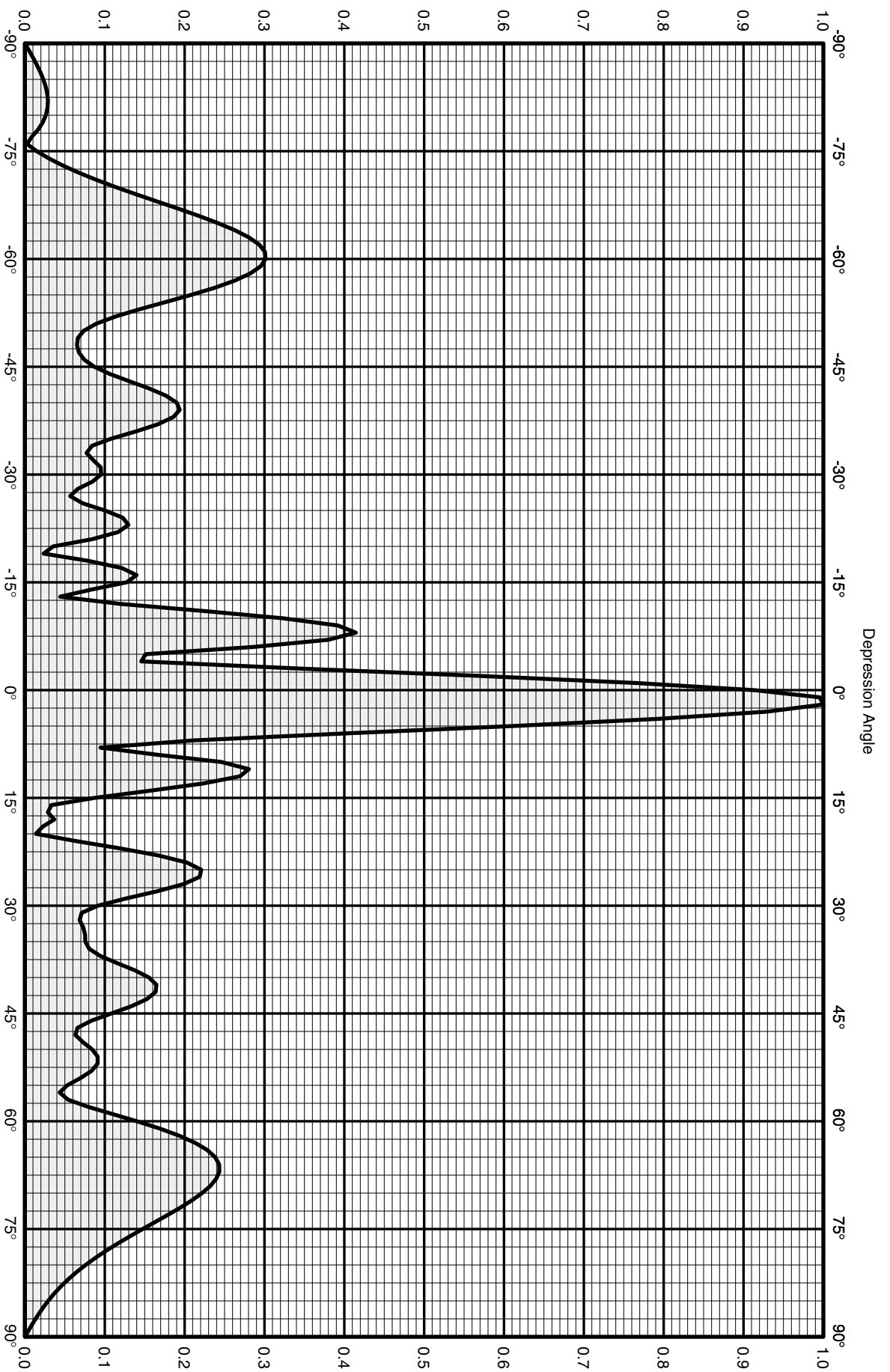


FCC PREDICTED COVERAGE CONTOURS

AUXILIARY APPLICATION
CLASS A STATION W30CV-D
HILTON HEAD ISLAND, SOUTH CAROLINA
CH 30 0.45 KW (ND)

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

Figure 2



KATHREIN
SCALA DIVISION

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Phone: (541) 779-6500 Fax: (541) 779-3991
<http://www.kathrein-scala.com>

SL-8 Paraslot UHF-TV Antenna
With 1.75 deg electrical downtilt
Maximum gain: 11.4 dBd
Power multiplier: 13.8

Horizontal polarization
Vertical radiation pattern