

Exhibit 41 - Statement A
PROPOSED ANTENNA SYSTEM
ALLOCATION CONSIDERATIONS
prepared for
Pacific and Southern Company, Inc.
WLBZ-DT Bangor, Maine
Facility ID 39644
Ch. 25 250 kW 199 m

Pacific and Southern Company, Inc. (“*Pacific*”) is the permittee of WLBZ-DT, Channel 25, Bangor, Maine (BMPCDT-20020304ABW) and licensee of the paired analog WLBZ(TV) Channel 2 facility (BLCT-2455). Under its Construction Permit (“CP”), WLBZ-DT is authorized to operate with an effective radiated power (“ERP”) of 1000 kW at an antenna height above average terrain (“HAAT”) of 198.8 meters. WLBZ-DT is currently operating under Special Temporary Authorization (“STA”) with facilities similar to those authorized in the CP but at a reduced power level of 500 kW (BDSTA-20020417ABD). The instant application proposes to modify the CP to specify operation of WLBZ-DT with an ERP of 250 kW.

All WLBZ-DT facilities described herein specify the same transmitting location. No change in site location or overall tower height is proposed. FCC Antenna Structure Registration is not required for the existing WLBZ-DT antenna supporting structure as it is below the required notification height and is not located near an airport, according to the Commission’s “TOWAIR” computer program.

The specified antenna system is a Dielectric model TFU-32DSB-B(C). The antenna’s horizontal plane pattern, expressed in terms of relative field and power, is supplied in **Exhibit 41 - Figure 1**, properly oriented relative to True North. **Exhibit 41 - Figures 2 and 2A** graphically present the theoretical vertical plane (elevation) pattern.

A map is supplied as **Exhibit 41 - Figure 3**, which depicts the standard predicted coverage contours. This map includes the boundaries of Bangor, WLBZ-DT’s principal community. As demonstrated thereon, the proposed facility complies with §73.625(a)(1), as the entire principal community will be encompassed by the 48 dBu contour.

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The map attached as **Exhibit 41 - Figure 4** supplies a comparison of the presently authorized and proposed 41 dB μ noise-limited DTV service contour locations. No extension in contour location will result, in compliance with the Commission's August 3, 2004 "freeze" concerning expansion in service area.¹

WLBZ-DT has successfully received a tentative post-transition channel assignment of Channel 2 and will "carry over" its authorized 1000 kW, Channel 25 coverage area back to Channel 2. As shown below, the proposed facility would serve 86.4% of the target baseline service population, which satisfies the 80% population match requirement of the DTV Channel election process².

WLBZ-DT Population Match Determination³

<u>WLBZ(TV) Facility</u>	<u>ERP/HAAT</u>	<u>Interference-Free Service Population (2000 Census)</u>	<u>Percent match of Target</u>
NTSC Ch. 2 (1997 baseline facility)	51.3 kW / 192 m	310,326	--
DTV Ch. 25 Allotment	1000 kW / 192 m	336,899	--
DTV Ch. 25 Proposed	250 kW / 199 m	268,152	86.4%

Allocation Matters

Under the instant proposal, WLBZ-DT will operate at its presently authorized site with reduced ERP. The resulting coverage and interfering contour locations are wholly within those of the authorized facility. The proposal's ERP/HAAT combination (250 kW / 199 m) does not exceed that which was allotted to WLBZ-DT (1000 kW / 192 m), therefore a detailed interference study per

¹Public Notice "Freeze on the Filing of Certain TV and DTV Requests for Allotment or Service Area Changes," DA 04-2446, released August 3, 2004.

²See Report and Order, "Second Periodic Review of the Commission's Rules and Policies Affecting the Conversion to Digital Television," FCC 04-192, released September 7, 2004.

³Interference-free service population is population within contour less population subject to terrain blockage and interference per FCC OET Bulletin 69. Target population for "Percent Match" is the smaller of the 1997 NTSC facility and DTV allotment.

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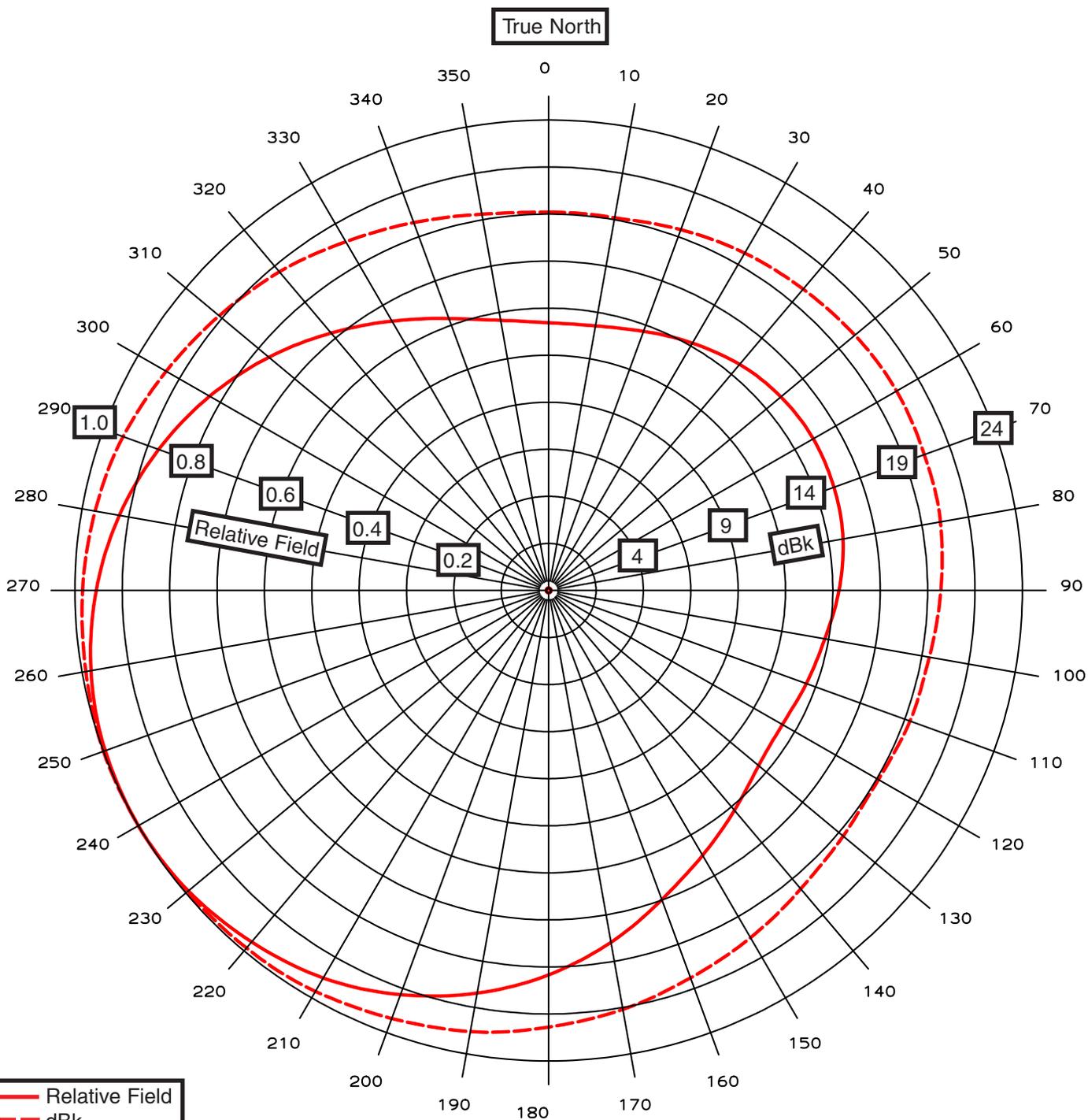
OET Bulletin 69 is not required. As a “checklist” facility, no consideration of Class A television stations is required.

The proposed facility is 112 km from the Canadian border. Since no other changes are proposed herein other than a reduction in ERP from that previously authorized, no further coordination with Canada should be required.

The nearest FCC monitoring station is 46 km distant at Belfast, Maine (N 44°26'42" W 69°04'58"). The signal level at the Belfast monitoring station will be less than that from the authorized WLBZ-DT 1000 kW facility and from the currently operating 500kW STA facility, therefore no further coordination was performed with respect to this facility.

There are no AM broadcast stations within 3.2 km (2 miles) of the proposed site, according to information extracted from the Commission’s engineering database.

This proposal is believed to be in compliance with the current Commission Rules and policy with respect to allocation matters.



**EXHIBIT 41 - FIGURE 1
ANTENNA HORIZONTAL PLANE
RADIATION PATTERN**

prepared June 2006 for

Pacific and Southern Company, Inc.
WLBZ-DT Bangor, Maine

Ch. 25 250 kW 199 m

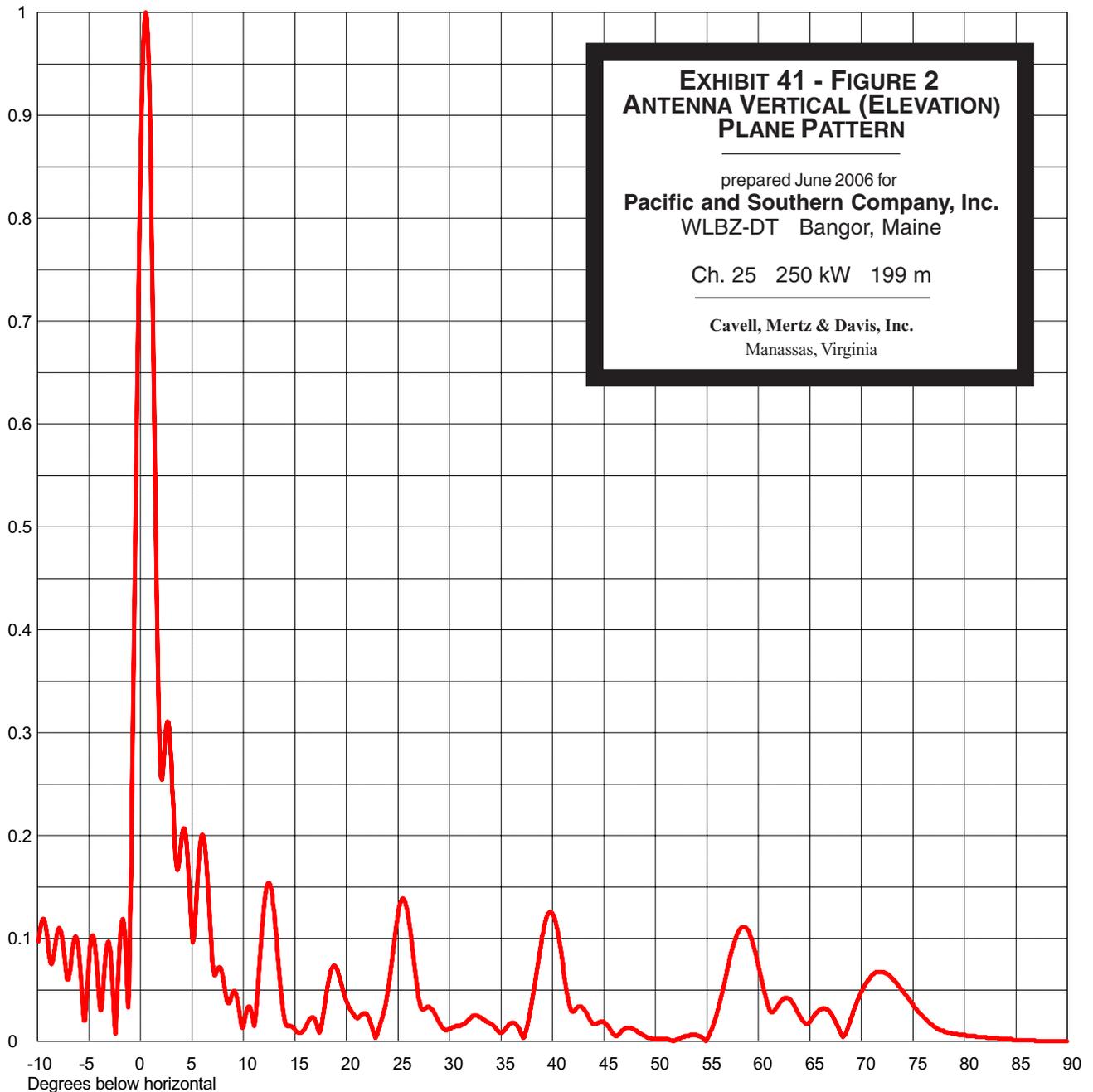
Cavell, Mertz & Davis, Inc.
Manassas, Virginia



Proposal Number
Date **08 Jan 2002**
Call Letters **WLBZ-DT** Channel **25**
Location **Bangor, ME**
Customer
Antenna Type **TFU-32DSB-B (C)**

ELEVATION PATTERN

RMS Gain at Main Lobe	31.0 (14.91 dB)	Beam Tilt	0.50 Degrees
RMS Gain at Horizontal	21.9 (13.40 dB)	Frequency	539.00 MHz
Calculated / Measured	Calculated	Drawing #	32B310050



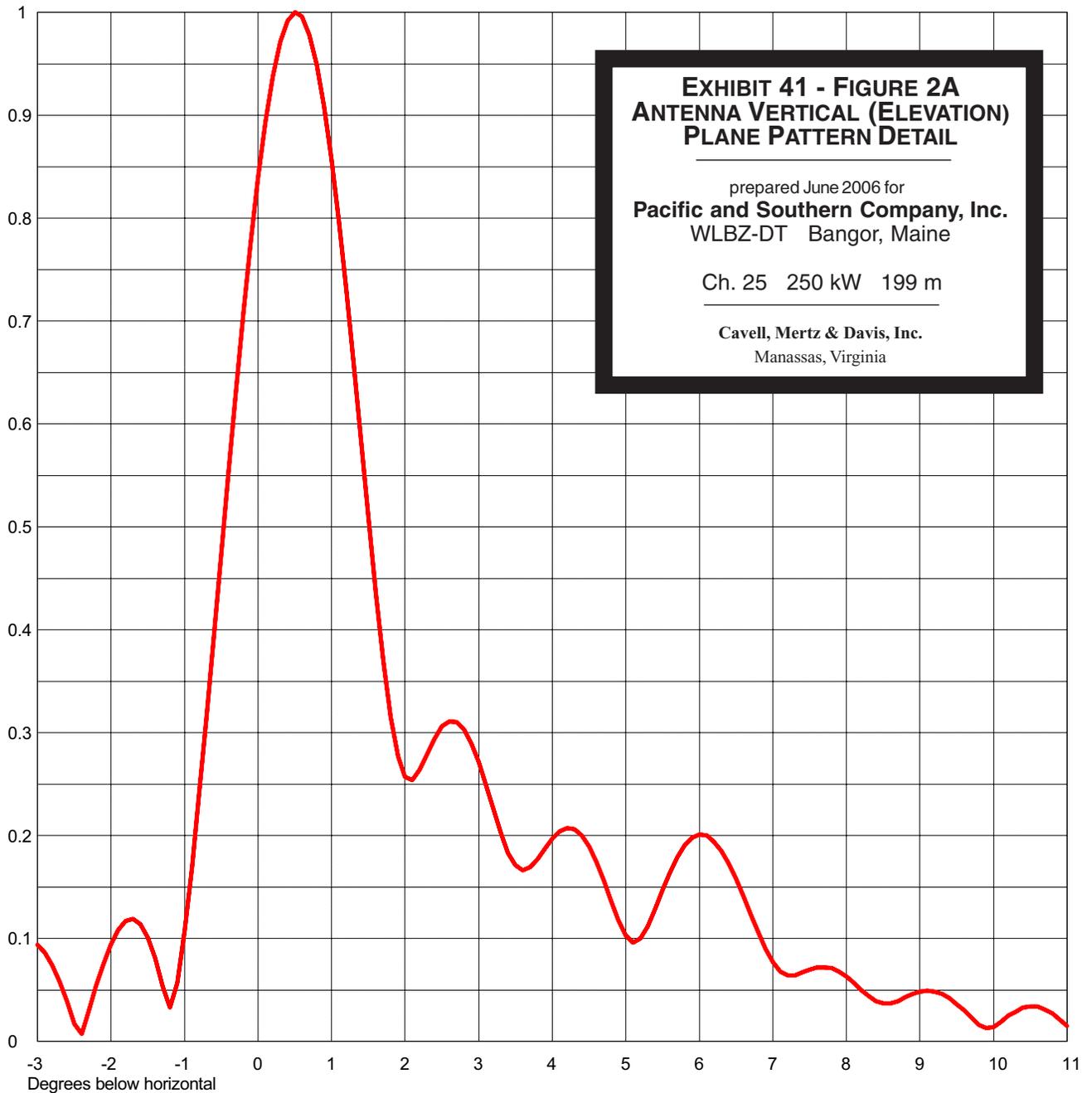
Remarks:



Proposal Number
Date **08 Jan 2002**
Call Letters **WLBZ-DT** Channel **25**
Location **Bangor, ME**
Customer
Antenna Type **TFU-32DSB-B (C)**

ELEVATION PATTERN

RMS Gain at Main Lobe	31.0 (14.91 dB)	Beam Tilt	0.50 Degrees
RMS Gain at Horizontal	21.9 (13.40 dB)	Frequency	539.00 MHz
Calculated / Measured	Calculated	Drawing #	32B310050

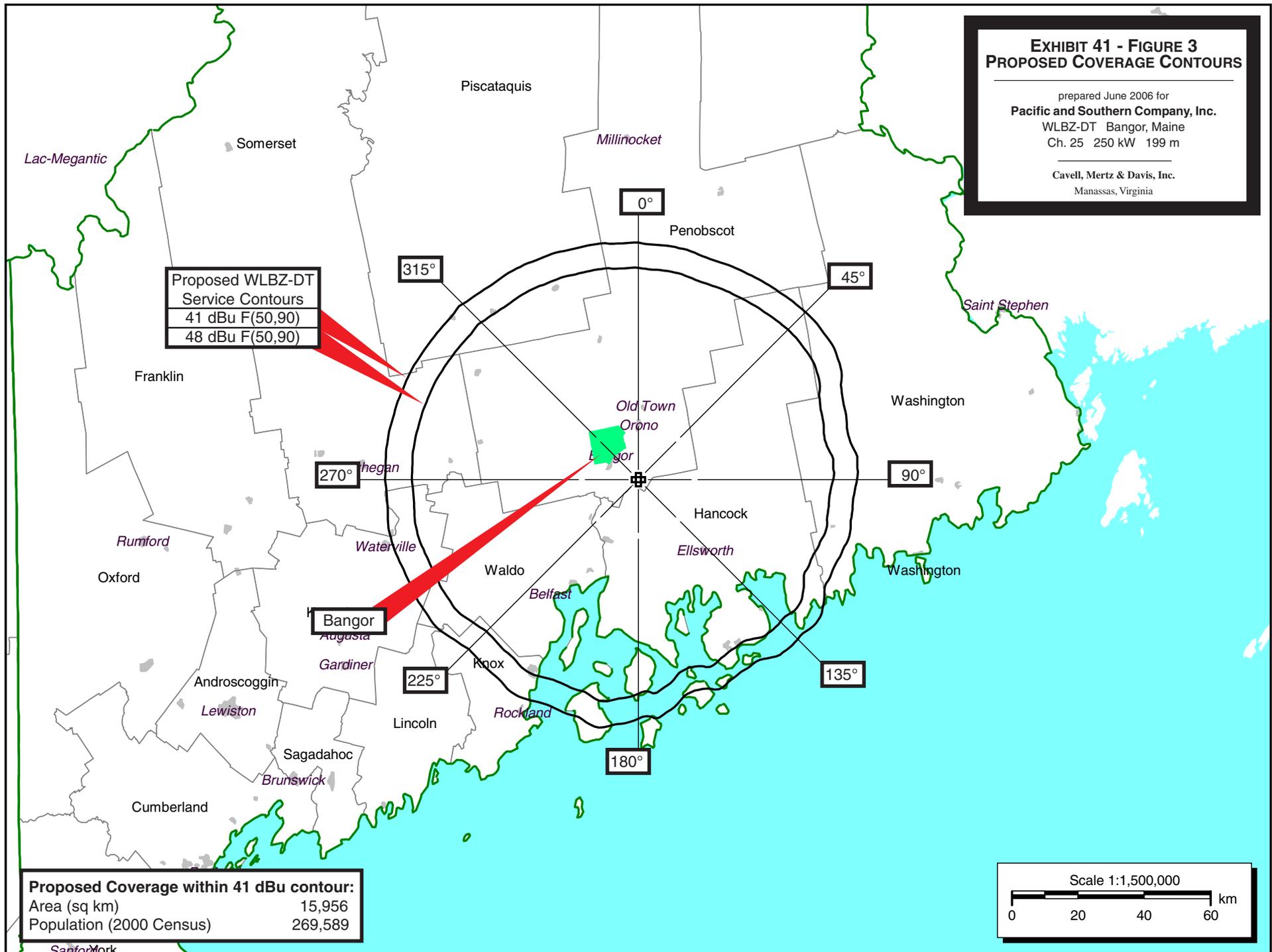


Remarks:

**EXHIBIT 41 - FIGURE 3
PROPOSED COVERAGE CONTOURS**

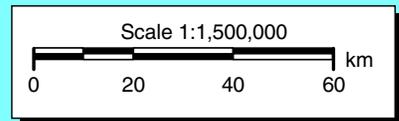
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Proposed WLBZ-DT
 Service Contours
 41 dBu F(50,90)
 48 dBu F(50,90)

Proposed Coverage within 41 dBu contour:
 Area (sq km) 15,956
 Population (2000 Census) 269,589



**EXHIBIT 41 - FIGURE 4
PROPOSED COVERAGE COMPARISON**

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