

TECHNICAL EXHIBIT  
APPLICATION FOR MODIFICATION OF CONSTRUCTION PERMIT  
(FCC FILE NO. BPTTL-JG0601WX)  
CLASS A STATION W17CI  
FACILITY ID 48413  
CLAREMONT, NEW HAMPSHIRE  
CH 17 1.5 KW (MAX-DA)

Technical Narrative

The technical exhibit of which this narrative is part was prepared in support of an application for modification of the construction permit of Class A TV station W17CI at Claremont, New Hampshire (Facility ID: 48413; File No. BPTTL-JG0601WX). The purpose of this instant modification is to conform the authorized facilities with the constructed facilities. As detailed below, this application is considered a "minor change" in facilities pursuant to Section 73.3572. An application for license is being concurrently filed with this instant modification application which reflects the constructed facilities.

Authorized W17CI Facilities

According to the FCC's CDBS, station W17CI is authorized by outstanding construction permit (BPTTL-JG0601WX, Facility ID 48413) to operate on channel 17 with a "minus" carrier frequency offset. A Scala model 4DR-16-2HW directional antenna system (Antenna ID 20732) is authorized to be employed with a main lobe orientation of 90° true. The visual effective radiated power (ERP) is 1.5 kilowatts (kW). The antenna center of radiation is located 948 meters above mean sea level (RCAMSL). The transmitter site coordinates are 43-26-15, 72-27-09.

Constructed W17CI Facilities

The only differences between the authorized and constructed W17CI facilities are a change in the directional antenna system, a reduction in the RCAMSL and a slight correction in the transmitter site coordinates to conform to registered tower data. Specifically, W17CI was constructed to operate on channel 17 with a "minus" carrier frequency offset. A Scala model PR-TV-17 directional antenna system (Antenna ID 23502) is utilized with a main lobe orientation of 90° true. The visual effective radiated power (ERP) is 1.5 kilowatts (kW). The antenna center of radiation is located 884 meters above mean sea level (AMSL). The transmitter site coordinates are 43-26-15, 72-27-08. The tower registration number is 1060721.

### Minor Change Application

Figure 1 depicts the authorized and herein proposed 74 dBu contours for W17CI. As indicated on Figure 1, the 74 dBu contour for the constructed facilities is located within the 74 dBu contour for the authorized facilities except for slight extensions in the null areas of the directional antennas. Therefore, the proposed modification is considered a "minor" change in facilities pursuant to Section 73.3572.

### Analog TV Broadcast Station Protection

A study has been conducted using the provisions of Section 74.705 which indicates that the proposed W17CI operation will not create prohibited interference to other existing, authorized or proposed NTSC full-power stations.

### DTV Station and DTV Table of Allotments Protection

Calculations based on OET Bulletin No. 69 indicate that the proposed W17CI operation on channel 17 complies with the FCC's 0.5% interference threshold criteria to all allotted, proposed or actual DTV operating facilities on channels 16, 17 and 18.<sup>1</sup> Figure 2 provides the output of study based on OET-69 Bulletin which demonstrates that the proposed W17CI operation complies with the FCC's DTV interference criteria.

### LPTV/TV Translator, Class A and Digital Class A Protection

A study has been conducted which indicates that the W17CI proposal will not create prohibited interference to other existing, authorized or proposed LPTV, TV Translator, Class A and Digital Class A stations with the exception of a pending application for a new LPTV station on channel 17 at Concord, New Hampshire (BNPTTL-20000828BGX).

Figure 3 is a map which depicts the protected 74 dBu contour for the proposed channel 17 operation at Concord and the interfering 46 dBu contours for the authorized and proposed W17CI operations. As indicated, the interfering 46 dBu contour for the authorized W17CI encompasses over 90% of 74 dBu contour for the proposed channel 17 operation at Concord. Thus, it is apparent that the proposed channel 17 operation at Concord has "accepted" any interference that would be caused by the

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<sup>1</sup> The du Treil, Lundin & Rackley, Inc. DTV interference analysis program is based on the program and procedures outlined by the FCC in the Sixth Report and Order; subsequent Memorandum Opinion and Order; and FCC OET Bulletin No. 69. A nominal grid size resolution of 2 km was employed. An Alpha based processor computer system was employed. The results have been found to be in very close agreement with the results of the FCC implementation of OET Bulletin No. 69.

authorized W17CI operation. Furthermore, as also indicated on Figure 3, the interfering 46 dBu contour for the proposed W17CI is less extensive than the interfering 46 dBu contour for the authorized W17CI in the direction of the 74 dBu contour for the proposed channel 17 operation at Concord. Therefore, it is believed that the proposed W17CI operation complies with the FCC's interference criteria towards the proposed channel 17 operation at Concord.

#### Land Mobile Station Protection

The proposed W17CI operation does not cause interference to land mobile radio stations (LMRS).

#### Canadian Coordination

As shown on Figure 4, the proposed 19 dBu, F(50,10), interfering contour will not extend into Canada. Furthermore, the proposed 19 dBu, F(50,10), interfering contour for the proposed operation is entirely within the authorized W17CI 19 dBu, F(50,10) interfering contour in the direction of the Canadian border. Therefore, it is believed that the proposal can be authorized without referral or notification to Canada.

#### Environmental Considerations

The proposed W17CI television facilities were evaluated in terms of potential radiofrequency radiation exposure at ground level in accordance with OST Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation". The calculated power density at the base of the tower was calculated using the appropriate equation on Page 13 of the Bulletin. As shown on Figure 5, the vertical plane field values at depression angles toward the tower base ( $-60^{\circ}$  to  $-90^{\circ}$  elevation) are less than 0.06. Therefore, using a greater than expected vertical relative field value of 0.06, a maximum visual effective radiated power of 1.5 kilowatts and 10 percent aural power, the calculated power density at 2 meters above ground level at the base of the tower is 0.0009 milliwatt per square centimeter ( $\text{mW}/\text{cm}^2$ ), or less than 5 percent of the Commission's recommended limit applicable to general population/uncontrolled exposure areas ( $0.33 \text{ mW}/\text{cm}^2$  for TV channel 17). Therefore, based on the responsibility threshold of 5%, the proposal will comply with the 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 in the event that workers or other authorized personnel enter the restricted area or climb the tower to ensure that 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.

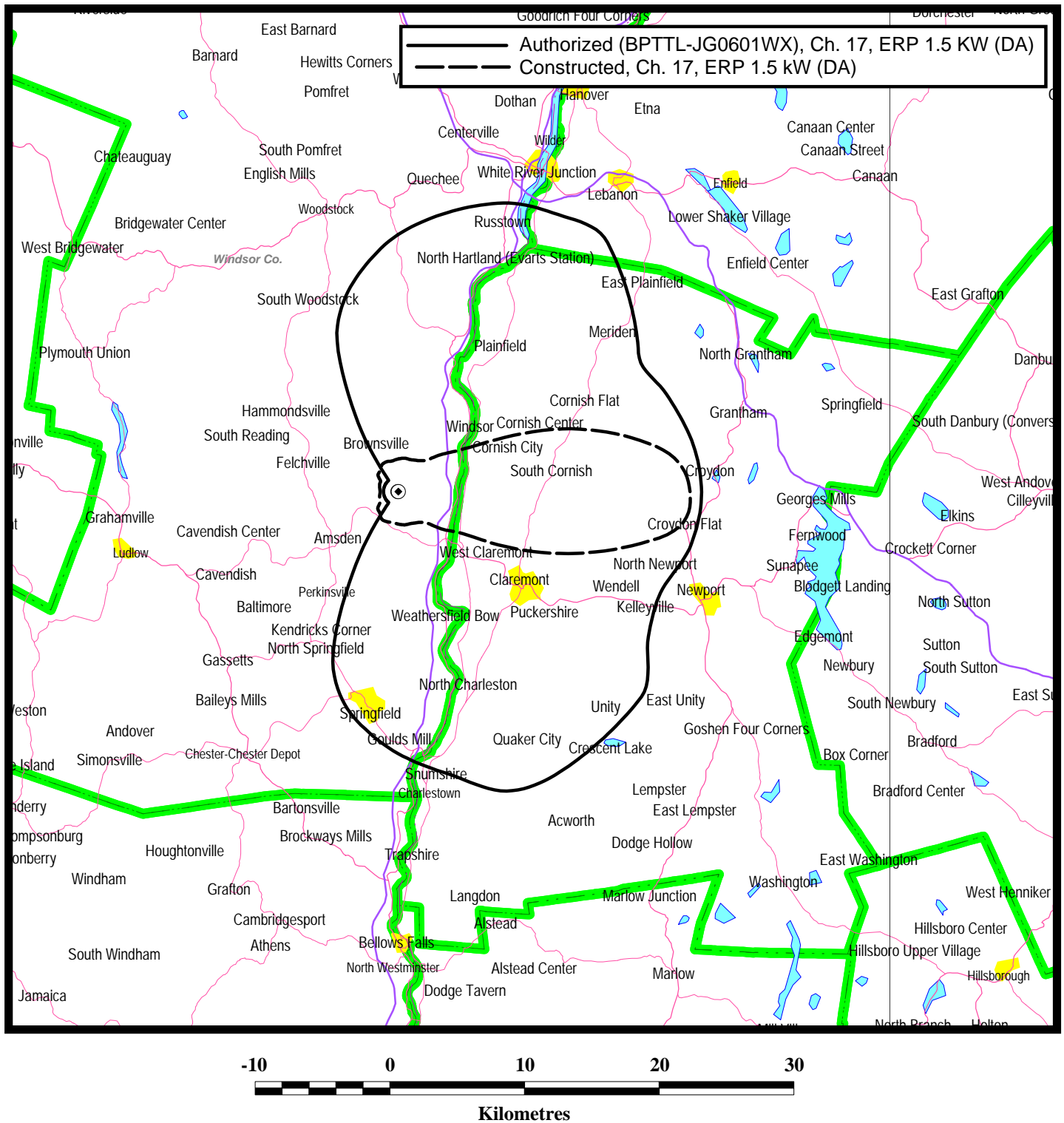
In addition, it appears that the existing tower is otherwise excluded from environmental processing as it complies with all the criteria for such an exclusion in Section 1.1306.

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Sarasota, Florida 34237  
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JEFF@DLR.COM

August 21, 2002

Figure 1



## PREDICTED 74 DBU CONTOURS

CLASS A STATION W17CI  
CLAREMONT, NEW HAMPSHIRE  
CH 17 1.5 KW (MAX-DA)

OET-69 DTV INTERFERENCE CAUSED STUDY

CELL SIZE : 2.00  
Using offset in determining thresholds  
Per 6th Report & Order and FCC OET-69 Bulletin

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WVNY 44-31-40 072-48-58 16(N) 817.000 kw 1238 m 90.0 % 38.9 dBu  
BURLINGTON VT 27349 485 DTVSERVICE: 485000 NTSCSERVICE: 444000  
APP BPCDT19991027ACA

Using DEFAULT vertical antenna pattern

	Area	Pop
within Noise Limited Contour	56238.39	764122
not affected by terrain losses	48960.57	638098

\*\*\*\*\*

W17CI 43-26-15 072-27-08 17(-) 1.500 kw 884 m DA 10.0 % 72.0

CLAREMONT NH

Proposed

1.00	0.81	0.43	0.17	0.09	0.06	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.09	0.17	0.43	0.81

Ref Az: 90.0

Using DEFAULT vertical antenna pattern

D/U Baseline: -49.00

	Area	Pop
Interference	0	0

\*\*\*\*\*

DWVNY 44-31-40 072-48-58 16(0) 50.000 kw 1264 m DA 90.0 % 38.9 dBu  
BURLINGTON VT 27349 485 DTVSERVICE: 485000 NTSCSERVICE: 444000  
DTVALT DTV ALLOTMENT

0.99	0.98	0.96	0.95	0.93	0.93	0.94	0.96	0.97	0.98	0.98	0.98
0.99	0.99	0.99	0.97	0.96	0.94	0.91	0.93	0.95	0.97	0.98	0.99
0.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.99	0.99

(298.0 1.00)(299.0 1.00)

Ref Az: 0.0

Using DEFAULT vertical antenna pattern

USING NTSC GRADE B FOR SERVICE AREA

	Area	Pop
within Noise Limited Contour	32597.12	540642
not affected by terrain losses	27925.47	487878

\*\*\*\*\*

W17CI 43-26-15 072-27-08 17(-) 1.500 kw 884 m DA 10.0 % 72.0

CLAREMONT NH

Proposed

1.00	0.81	0.43	0.17	0.09	0.06	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.09	0.17	0.43	0.81

Ref Az: 90.0

Using DEFAULT vertical antenna pattern

D/U Baseline: -49.00

	Area	Pop
Interference	0	0

\*\*\*\*\*

WCBB 44-09-15 070-00-37 17(N) 29.700 kw 366 m DA 90.0 % 39.0 dBu  
AUGUSTA ME 26947 791 DTVSERVICE: 791000 NTSCSERVICE: 739000  
LIC BLEDT19991129AAR

0.98	0.90	0.73	0.79	0.97	0.97	0.79	0.73	0.90	0.99	0.97	0.87
0.74	0.58	0.42	0.28	0.17	0.08	0.05	0.08	0.17	0.28	0.42	0.58
0.74	0.87	0.97	0.99	0.90	0.73	0.79	0.97	0.97	0.79	0.73	0.90

( 93.0 1.00)(267.0 1.00)

Ref Az: 135.0

Using DEFAULT vertical antenna pattern

	Area	Pop
within Noise Limited Contour	14203.23	615154
not affected by terrain losses	13678.96	602429

\*\*\*\*\*

W17CI 43-26-15 072-27-08 17(-) 1.500 kw 884 m DA 10.0 % 72.0  
CLAREMONT NH

Proposed

1.00	0.81	0.43	0.17	0.09	0.06	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.09	0.17	0.43	0.81

Ref Az: 90.0

Using DEFAULT vertical antenna pattern

D/U Baseline: 2.00

	Area	Pop
Interference	0	0

\*\*\*\*\*

DWCBB 44-09-16 070-00-37 17(0) 628.900 kw 389 m DA 90.0 % 39.0 dBu  
AUGUSTA ME 26947 791 DTVSERVICE: 791000 NTSCSERVICE: 739000  
DTVALT DTV ALLOTMENT

0.90	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.90
0.90	0.90	0.91	0.91	0.92	0.93	0.94	0.93	0.93	0.92	0.91	0.92
0.92	0.94	0.95	0.96	0.97	0.98	0.99	1.00	0.98	0.95	0.92	0.91

(316.0 1.00)

Ref Az: 0.0

Using DEFAULT vertical antenna pattern

	Area	Pop
within Noise Limited Contour	28798.90	812903
not affected by terrain losses	27018.72	792547

\*\*\*\*\*

W17CI 43-26-15 072-27-08 17(-) 1.500 kw 884 m DA 10.0 % 72.0  
CLAREMONT NH

Proposed

1.00	0.81	0.43	0.17	0.09	0.06	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.09	0.17	0.43	0.81

Ref Az: 90.0

Using DEFAULT vertical antenna pattern

D/U Baseline: 2.00

	Area	Pop
Interference	0	0

\*\*\*\*\*

WPXQ 41-34-22 071-37-55 17(N) 200.000 kw 304 m 90.0 % 39.0 dBu  
BLOCK ISLAND RI 11722 0 DTVSERVICE: 0 NTSCSERVICE: 0

APP BPCDT19991022AAT

Using DEFAULT vertical antenna pattern

	Area	Pop
within Noise Limited Contour	19270.20	2657225
not affected by terrain losses	19096.74	2594815

\*\*\*\*\*

W17CI 43-26-15 072-27-08 17(-) 1.500 kw 884 m DA 10.0 % 72.0

CLAREMONT NH

Proposed

1.00	0.81	0.43	0.17	0.09	0.06	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.09	0.17	0.43	0.81

Ref Az: 90.0

Using DEFAULT vertical antenna pattern

D/U Baseline: 2.00

	Area	Pop
Interference	0	0

\*\*\*\*\*

DWOSTT 41-29-41 071-47-05 17(0) 50.000 kw 280 m DA 90.0 % 39.0 dBu  
BLOCK ISLAND RI 11722 0 DTVSERVICE: 0 NTSCSERVICE: 0

DTVALT DTV ALLOTMENT

0.92	0.89	0.87	0.85	0.85	0.85	0.86	0.88	0.91	0.94	0.98
1.00	0.99	0.93	0.82	0.68	0.52	0.36	0.23	0.16	0.14	0.17
0.15	0.14	0.15	0.22	0.35	0.51	0.67	0.80	0.90	0.96	0.97

Ref Az: 0.0

Using DEFAULT vertical antenna pattern

USING NTSC GRADE B FOR SERVICE AREA

	Area	Pop
within Noise Limited Contour	11861.68	1652935
not affected by terrain losses	11789.84	1646811

\*\*\*\*\*

W17CI 43-26-15 072-27-08 17(-) 1.500 kw 884 m DA 10.0 % 72.0

CLAREMONT NH

Proposed

1.00	0.81	0.43	0.17	0.09	0.06	0.05	0.05	0.05	0.05	0.05	0.05
0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04
0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.09	0.17	0.43	0.81

Ref Az: 90.0

Using DEFAULT vertical antenna pattern

D/U Baseline: 2.00

	Area	Pop
Interference	0	0

\*\*\*\*\*

WIXT-T 42-56-42 076-01-28 17(N) 108.200 kw 1058.5 m DA 90.0 % 39.0 dBu  
SYRACUSE NY 23696 1289 DTVSERVICE: 1289000 NTSCSERVICE: 1205000

CP BPCDT19991101AGL

0.82	0.79	0.70	0.57	0.46	0.49	0.64	0.82	0.95	1.00	0.95	0.82
0.64	0.49	0.46	0.57	0.70	0.79	0.82	0.79	0.70	0.57	0.46	0.49



0.64 0.82 0.95 1.00 0.95 0.82 0.64 0.49 0.46 0.57 0.70 0.79

Ref Az: 0.0

Using DEFAULT vertical antenna pattern

	Area	Pop
within Noise Limited Contour	33865.32	1814408
not affected by terrain losses	31614.63	1628425

\*\*\*\*\*

W17CI 43-26-15 072-27-08 17(-) 1.500 kw 884 m DA 10.0 % 72.0

CLAREMONT

NH

Proposed

1.00 0.81 0.43 0.17 0.09 0.06 0.05 0.05 0.05 0.05 0.05 0.05  
0.05 0.04 0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04  
0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.06 0.09 0.17 0.43 0.81

Ref Az: 90.0

Using DEFAULT vertical antenna pattern

D/U Baseline: 2.00

	Area	Pop
Interference	0	0

\*\*\*\*\*

DWIXT 42-56-42 076-01-28 17(0) 108.200 kw 767 m DA 90.0 % 39.0 dBu

SYRACUSE NY 23696 1289 DTVSERVICE: 1289000 NTSCSERVICE: 1205000

DTVALT DTV ALLOTMENT

0.63 0.64 0.69 0.84 0.96 1.00 0.97 0.88 0.72 0.61 0.59 0.63  
0.78 0.89 0.92 0.89 0.81 0.69 0.63 0.61 0.65 0.80 0.95 1.00  
0.95 0.85 0.69 0.60 0.63 0.73 0.83 0.91 0.92 0.87 0.78 0.67

Ref Az: 0.0

Using DEFAULT vertical antenna pattern

	Area	Pop
within Noise Limited Contour	26127.52	1400115
not affected by terrain losses	24627.84	1322281

\*\*\*\*\*

W17CI 43-26-15 072-27-08 17(-) 1.500 kw 884 m DA 10.0 % 72.0

CLAREMONT

NH

Proposed

1.00 0.81 0.43 0.17 0.09 0.06 0.05 0.05 0.05 0.05 0.05 0.05  
0.05 0.04 0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04  
0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.06 0.09 0.17 0.43 0.81

Ref Az: 90.0

Using DEFAULT vertical antenna pattern

D/U Baseline: 2.00

	Area	Pop
Interference	0	0

\*\*\*\*\*

WVTB 44-34-16 071-53-39 18(N) 200.000 kw 1023 m 90.0 % 39.1 dBu

ST. JOHNSBURY VT 17041 177 DTVSERVICE: 177000 NTSCSERVICE: 146000

APP BPEDT20000427ACK

Using DEFAULT vertical antenna pattern

	Area	Pop
within Noise Limited Contour	36659.01	514100
not affected by terrain losses	26688.11	287426

\*\*\*\*\*

W17CI 43-26-15 072-27-08 17(-) 1.500 kw 884 m DA 10.0 % 72.0

CLAREMONT NH  
Proposed  
1.00 0.81 0.43 0.17 0.09 0.06 0.05 0.05 0.05 0.05 0.05 0.05  
0.05 0.04 0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04  
0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.06 0.09 0.17 0.43 0.81  
Ref Az: 90.0  
Using DEFAULT vertical antenna pattern

D/U Baseline: -48.00

Interference	Area 0	Pop 0
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DWVTB 44-34-16 071-53-39 18(0) 50.000 kw 1023 m DA 90.0 % 39.1 dBu  
ST. JOHNSBURY VT 17041 177 DTVSERVICE: 177000 NTSCSERVICE: 146000  
DTVALT DTV ALLOTMENT  
0.80 0.72 0.69 0.72 0.74 0.76 0.81 0.83 0.81 0.79 0.79 0.83  
0.86 0.85 0.81 0.80 0.83 0.89 0.91 0.88 0.88 0.92 1.00 0.98  
0.97 0.93 0.86 0.86 0.85 0.84 0.84 0.81 0.79 0.77 0.80 0.82  
Ref Az: 0.0  
Using DEFAULT vertical antenna pattern  
USING NTSC GRADE B FOR SERVICE AREA

	Area	Pop
within Noise Limited Contour	22045.89	242807
not affected by terrain losses	17587.71	184693

\*\*\*\*\*  
W17CI 43-26-15 072-27-08 17(-) 1.500 kw 884 m DA 10.0 % 72.0  
CLAREMONT NH  
Proposed  
1.00 0.81 0.43 0.17 0.09 0.06 0.05 0.05 0.05 0.05 0.05 0.05  
0.05 0.04 0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04  
0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.06 0.09 0.17 0.43 0.81  
Ref Az: 90.0  
Using DEFAULT vertical antenna pattern

D/U Baseline: -48.00

Interference	Area 0	Pop 0
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WMFP 42-18-27 071-13-28 18(N) 1000.000 kw 433 m DA 90.0 % 39.1 dBu  
LAWRENCE MA 6861 3440 DTVSERVICE: 3440000 NTSCSERVICE: 4377000  
APP BPCDT19991101AFC  
0.93 0.91 0.90 0.90 0.89 0.90 0.90 0.91 0.93 0.96 0.99 1.00  
0.99 0.94 0.86 0.74 0.60 0.44 0.31 0.22 0.20 0.22 0.23 0.22  
0.20 0.22 0.31 0.44 0.60 0.74 0.86 0.94 0.99 1.00 0.99 0.96  
Ref Az: 0.0  
Using DEFAULT vertical antenna pattern

	Area	Pop
within Noise Limited Contour	32522.87	6824100
not affected by terrain losses	31326.38	6745181

\*\*\*\*\*  
W17CI 43-26-15 072-27-08 17(-) 1.500 kw 884 m DA 10.0 % 72.0  
CLAREMONT NH  
Proposed  
1.00 0.81 0.43 0.17 0.09 0.06 0.05 0.05 0.05 0.05 0.05 0.05

0.05 0.04 0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04  
0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.06 0.09 0.17 0.43 0.81  
Ref Az: 90.0  
Using DEFAULT vertical antenna pattern

D/U Baseline: -48.00

	Area	Pop
Interference	0	0

\*\*\*\*\*

DWMFP 42-21-29 071-03-40 18(0) 52.600 kw 202 m DA 90.0 % 39.1 dBu  
LAWRENCE MA 6861 3440 DTVSERVICE: 3440000 NTSCSERVICE: 4377000  
DTVALT DTV ALLOTMENT

0.70 0.66 0.59 0.50 0.39 0.28 0.19 0.19 0.27 0.34 0.37 0.32  
0.24 0.17 0.19 0.28 0.38 0.49 0.58 0.64 0.68 0.71 0.75 0.81  
0.88 0.94 0.97 0.99 1.00 0.99 0.97 0.94 0.89 0.83 0.77 0.73

Ref Az: 0.0

Using DEFAULT vertical antenna pattern

	Area	Pop
within Noise Limited Contour	12230.95	4900998
not affected by terrain losses	12166.49	4883650

\*\*\*\*\*

W17CI 43-26-15 072-27-08 17(-) 1.500 kw 884 m DA 10.0 % 72.0  
CLAREMONT NH

Proposed

1.00 0.81 0.43 0.17 0.09 0.06 0.05 0.05 0.05 0.05 0.05 0.05  
0.05 0.04 0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.04 0.04  
0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.06 0.09 0.17 0.43 0.81

Ref Az: 90.0

Using DEFAULT vertical antenna pattern

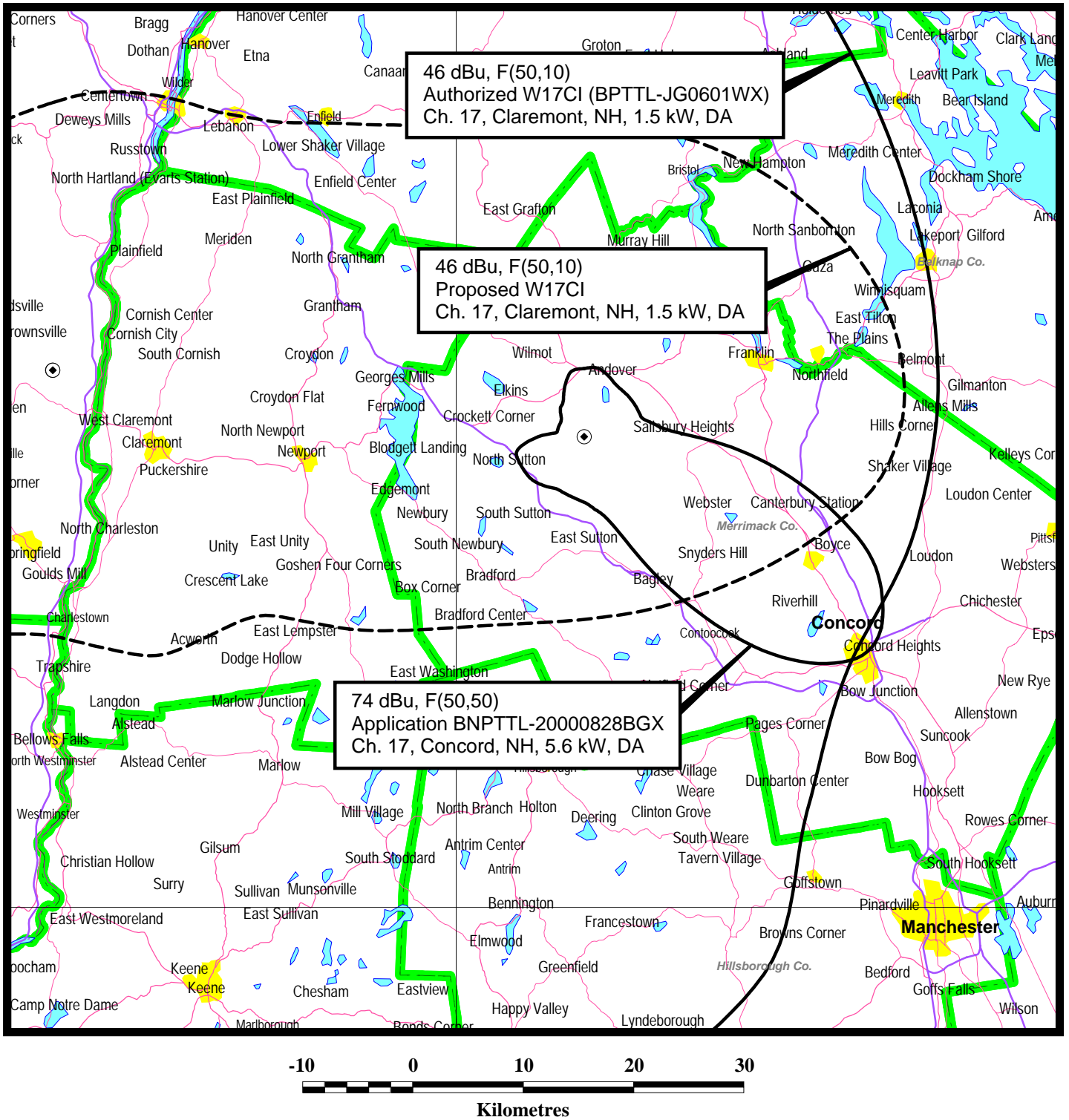
D/U Baseline: -48.00

	Area	Pop
Interference	0	0

### Summary of Calculations

Facility	Channel	Type	Baseline	Permissible	IX	%Base
WVNY, BURLINGTON, VT	16	DTV	485000	0.5	0	0.00
DWVNY, BURLINGTON, VT	16	DTV	485000	0.5	0	0.00
WCBB, AUGUSTA, ME	17	DTV	791000	0.5	0	0.00
DWCBB, AUGUSTA, ME	17	DTV	791000	0.5	0	0.00
WPXQ, BLOCK ISLAND, RI	17	DTV	0	0.5	0	0.00
DWOSTT, BLOCK ISLAND, R	17	DTV	0	0.5	0	0.00
WIXT-T, SYRACUSE, NY	17	DTV	1289000	0.5	0	0.00
DWIXT, SYRACUSE, NY	17	DTV	1289000	0.5	0	0.00
WVTB, ST. JOHNSBURY, VT	18	DTV	177000	0.5	0	0.00
DWVTB, ST. JOHNSBURY, V	18	DTV	177000	0.5	0	0.00
WMFP, LAWRENCE, MA	18	DTV	4377000	0.0	0	0.00
DWMFP, LAWRENCE, MA	18	DTV	4377000	0.0	0	0.00

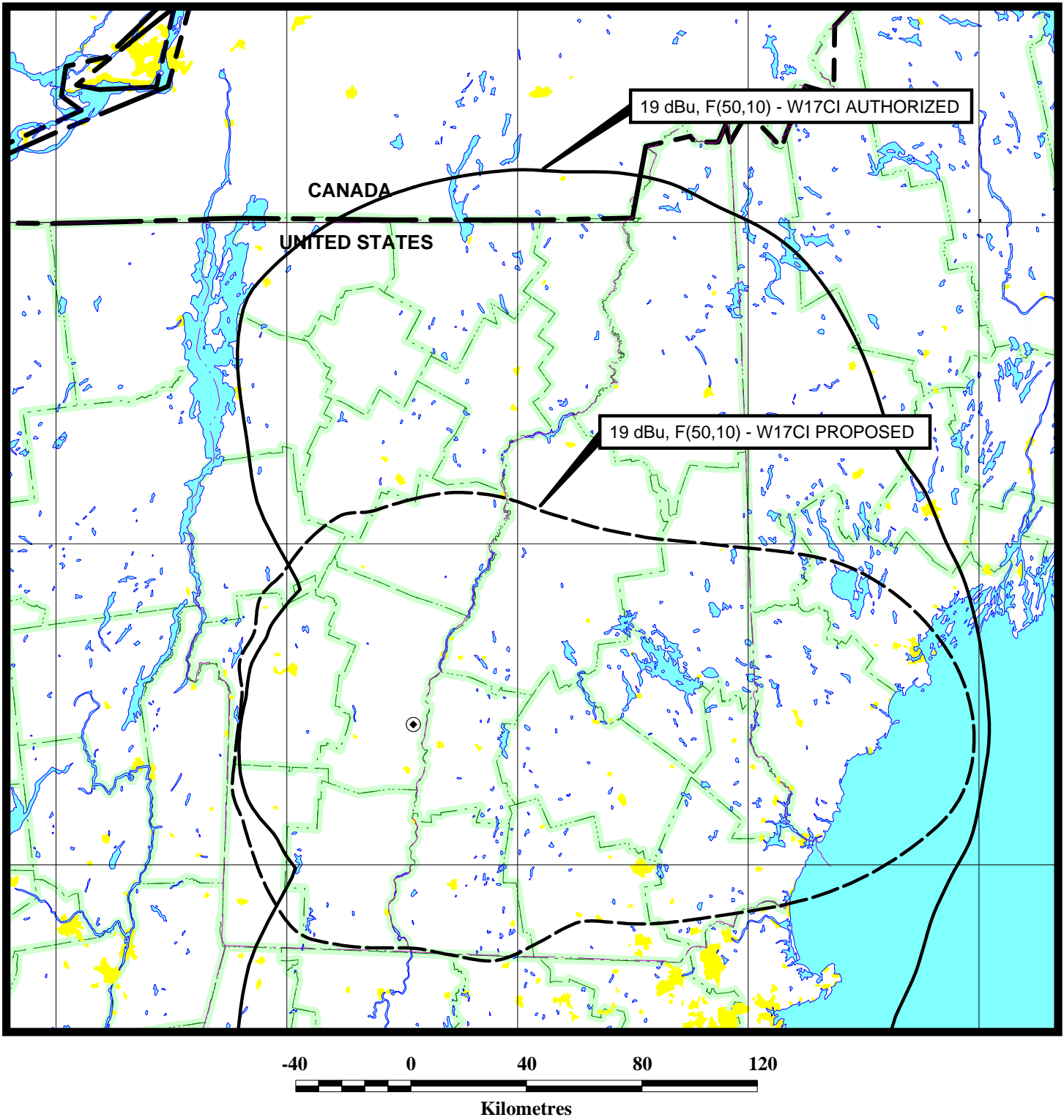
Figure 3



## SECTION 74.707 ALLOCATION STUDY

CLASS A STATION W17CI  
CLAREMONT, NEW HAMPSHIRE  
CH 17 1.5 KW (MAX-DA)

Figure 4

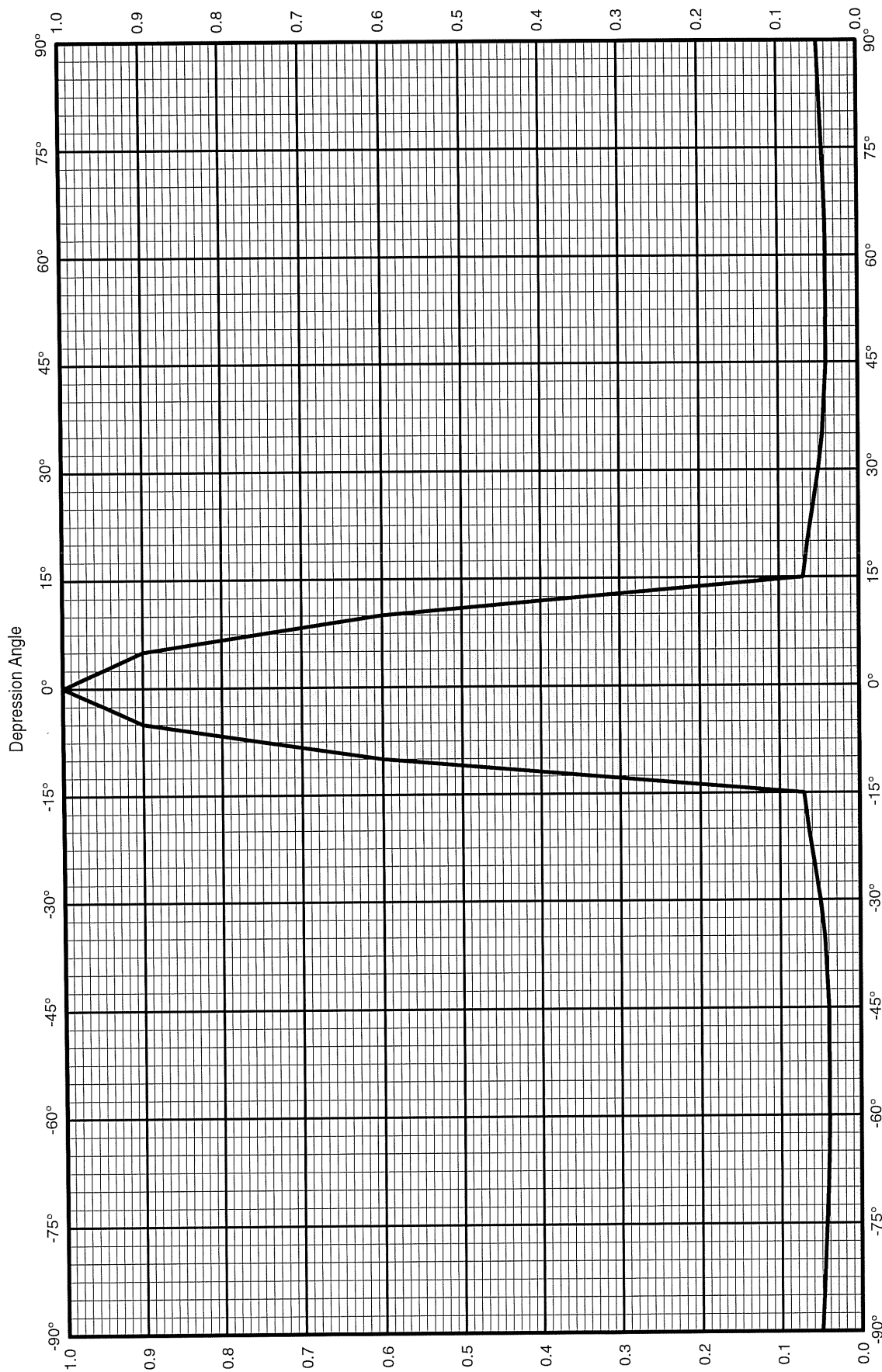


## CANADIAN ALLOCATION STUDY

CLASS A STATION W17CI  
CLAREMONT, NEW HAMPSHIRE  
CH 17 1.5 KW (MAX-DA)

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

Figure 5



Power multiplier: 36.3  
Horizontal polarization  
Vertical radiation pattern

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