

**ENGINEERING EXHIBIT**  
**RADIO MULTIPLE OWNERSHIP STUDY**  
**RADIO PARTNERS OF MAINE, L.P.**  
**STATION WTHT(FM)**  
**LEWISTON, MAINE**

**ENGINEERING STATEMENT**

**INTRODUCTION**

The engineering exhibit, of which this statement is part, has been prepared on behalf of Radio Partners of Maine, L.P., (hereinafter Radio Partners), in support of a minor change application for construction permit to increase the effective radiated power (ERP) of its commercial FM station WTHT, Lewiston, Maine, from 91 kilowatts (kW) to 100 kW. Radio Partners and other commonly owned, operated, or controlled companies are also the licensees of commercial radio stations WLAM(AM), Lewiston; WMEK-FM, Auburn; WMTW-FM, North Windham; and WMTW(AM), Gorham, all Maine.<sup>1</sup> The predicted principal community contours for both the licensed and proposed WTHT facilities, as defined in Section 73.3555 of the Federal

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<sup>1</sup> Radio Partners and the licensee of WMTW-TV, Poland Spring, Maine, are commonly owned and controlled.

Communications Commission (FCC) Rules,<sup>2</sup> overlap the predicted principal community contours for the licensed WLAM(AM), WMEK-FM, WMTW-FM, and WMTW(AM) facilities. The WLAM(AM) principal community contour does not overlap the principal community contours for WMTW(AM) and WMTW-FM.

In markets of 14 or fewer commercial radio stations, Section 73.3555(a)(1)(iv) of the FCC Rules allows common ownership or control of up to five radio stations, not more than three of which are in the same service (AM or FM), provided that the commonly owned or controlled stations comprise no more than 50 percent of the radio market. In this case, two radio markets are formed: the WLAM(AM)/WMEK-FM/WTHT(FM) radio market, a three-station market formed by one AM station and two FM stations, and the WMEK-FM/WMTW-FM/WMTW(AM)/WTHT(FM) radio market, a four-station radio market formed by one AM station and three FM stations.

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<sup>2</sup> The principal community contour for AM stations is the predicted or measured 5 millivolt per meter groundwave contour computed in accordance with Section 73.183 or Section 73.186 of the FCC Rules. For FM stations, the principal community contour is the predicted 3.16 millivolt per meter (70 dB $\mu$ ) contour computed in accordance with Section 73.313 of the FCC Rules.

### STATION FACILITIES USED IN STUDY

WTHT(FM), Lewiston, Maine, is licensed (FCC File Number BLH-19960826KE) to operate on FM channel 298C1 (107.5 megahertz (MHz)) at a transmitter site located at geographic coordinates 44° 00' 12 North Latitude, 70° 25' 24" West Longitude (referenced to the 1927 North American Datum (NAD 27)) with effective radiated power (ERP) of 91 kW, circularly polarized, and antenna radiation center height above average terrain (HAAT) of 283 meters. Radio Partners proposes to increase the WTHT ERP to 100 kW with no other changes to the licensed facilities.

WLAM(AM), Lewiston, Maine, is licensed to operate unlimited time on 1470 kilohertz at a transmitter site located at geographic coordinates 44° 03' 47" North Latitude, 70° 15' 00" West Longitude (NAD 27) with power of 5.0 kW during daytime and nighttime hours using the same directional antenna for daytime and nighttime operation,

WMEK-FM, Auburn, Maine, is licensed (FCC File Number BLH-19980825KD) to operate on FM channel 260B (99.9 MHz) at a

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transmitter site located at geographic coordinates 43° 57' 07" North Latitude, 70° 17' 46" West Longitude (NAD 27) with ERP of 28.5 kW and antenna radiation center HAAT of 196 meters.

WMTW-FM, North Windham, Maine, is licensed (FCC File Number BLH-19941129KC) to operate on FM channel 294A (106.7 MHz) at a transmitter site located at geographic coordinates 43° 51' 06" North Latitude, 70° 19' 40" West Longitude (NAD 27) with maximum ERP of 0.81 kW and antenna radiation center HAAT of 190 meters.

WMTW(AM), Gorham, Maine, is licensed to operate unlimited time on 870 kilohertz at a transmitter site located at geographic coordinates 43° 39' 46" North Latitude, 70° 29' 41" West Longitude (NAD 27) with power of 10 kW during daytime hours and 1.0 kW during night hours using different directional antennas for daytime and nighttime operation.

## MULTIPLE OWNERSHIP STUDY

Figure 1 of this engineering exhibit is a portion of the United States Geological Survey 1:1,000,000 scale Maine, New Hampshire, and Vermont state maps on which the locations of the predicted principal community contours for the licensed and proposed WTHT facility and for the licensed WLAM(AM), WMEK-FM, WMTW-FM, and WMTW(AM) facilities are plotted. As Figure 1 shows, the principal community contour for WLAM(AM) does not overlap the principal community contours for WMTW(AM) or WMTW-FM. Thus, as stated earlier, two separate radio markets are formed: the WLAM(AM)/WMEK-FM/WTHT(FM) radio market and the WMEK-FM/WMTW-FM/WMTW(AM)/WTHT(FM) radio market.

Figure 2 of this engineering exhibit shows the WLAM(AM)/WMEK-FM/WTHT(FM) radio market along with four other FM station transmitter site locations. As the transmitter sites for the four other stations identified in the radio market are located inside the radio market boundary, it is axiomatic that the principal community contours for those stations overlap the radio market boundary. Since there are at least four other commercial radio stations in the WLAM(AM)/WMEK-FM/WTHT(FM)

radio market, the requirement that a single party not own, operate, or control more than 50 percent of the stations in the market is satisfied.

Figure 3 of this engineering exhibit shows the WMEK-FM/WMTW-FM/WMTW(AM)/WTHT(FM) radio market along with five other FM station transmitter site locations. As the transmitter sites for the five other stations identified in the radio market are located inside the radio market boundary, it is axiomatic that the principal community contours for those stations overlap the radio market boundary. Since there are at least five other commercial radio stations in the WMEK-FM/WMTW-FM/WMTW(AM)/WTHT(FM) radio market, the requirement that a single party not own, operate, or control more than 50 percent of the stations in the market is satisfied.

### CONCLUSION

The proposed 100-kilowatt operation of WTHT would not result in a material change in the existing multiple ownership situation. As operation of WTHT at the proposed power level not change the existing multiple ownership situation, common ownership of WLAM(AM), WMEK-FM,

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WMTW-FM, WMTW(AM), and WTHT(FM) would continue to be in full compliance with Section 73.3555 of the FCC rules.

**CERTIFICATION**

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge. Executed on November 15, 2001.

A handwritten signature in blue ink, appearing to read 'R. W. Denny, Jr.', with a stylized flourish at the end.

Robert W. Denny, Jr., P.E.



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RADIO MULTIPLE OWNERSHIP STUDY  
RADIO PARTNERS OF MAINE, L.P.  
STATION WTHT(FM)  
LEWISTON, MAINE**

**FACILITIES OF PROPOSED COMMONLY OWNED, OPERATED,  
OR CONTROLLED RADIO STATIONS AND  
FOUR ADDITIONAL LICENSED COMMERCIAL RADIO STATIONS**

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|--|---|
| 1. WLAM(AM), Lewiston, ME<br>1470 kHz, 5 kW-U, DA-1<br>Facility ID: 64434<br>44° 03' 47" NL; 70° 15' 00" WL                      | 7. WBLM(FM), Portland, ME<br>Ch. 275C, 100 kW (H&V), 436 m.<br>Facility ID: 22878<br>43° 55' 28" NL; 70° 29' 28" WL   |
| 2. WMEK-FM, Auburn, ME<br>Ch. 260B, 28.5 kW (H&V), 196 m.<br>Facility ID: 24949<br>43° 57' 07" NL; 70° 17' 46" WL                | 8. WBQW(FM), Scarborough, ME<br>Ch. 292A, 3.0 kW (H&V), 91 m.<br>Facility ID: 73885<br>43° 35' 24" NL; 70° 22' 20" WL |
| 3. WMTW-FM, North Windham, ME<br>Ch. 294A, 0.81 kW (Max-DA, H&V), 190 m.<br>Facility ID: 59534<br>43° 51' 06" NL; 70° 19' 40" WL | 9. WCLZ(FM), Brunswick, ME<br>Ch. 255B, 48 kW (H&V), 122 m.<br>Facility ID: 56569<br>43° 55' 40" NL; 69° 59' 43" WL   |
| 4. WMTW(AM), Gorham, ME<br>870 kHz, 1.0 kW, 10 kW-LS, DA-2<br>Facility ID: 24994<br>43° 39' 46" NL; 70° 29' 41" WL               |   |
| 5. WTHT(FM), Lewiston, ME<br>Ch. 298C1, 91 kW (H&V), 283 m.<br>Facility ID: 65675<br>44° 00' 12" NL; 70° 25' 24" WL              |   |
| 6. WBCI(FM), Bath, ME<br>Ch. 290B, 50 kW (H&V), 152 m.<br>Facility ID: 33288<br>44° 04' 09" NL; 69° 55' 28" WL                   |   |



Figure 1

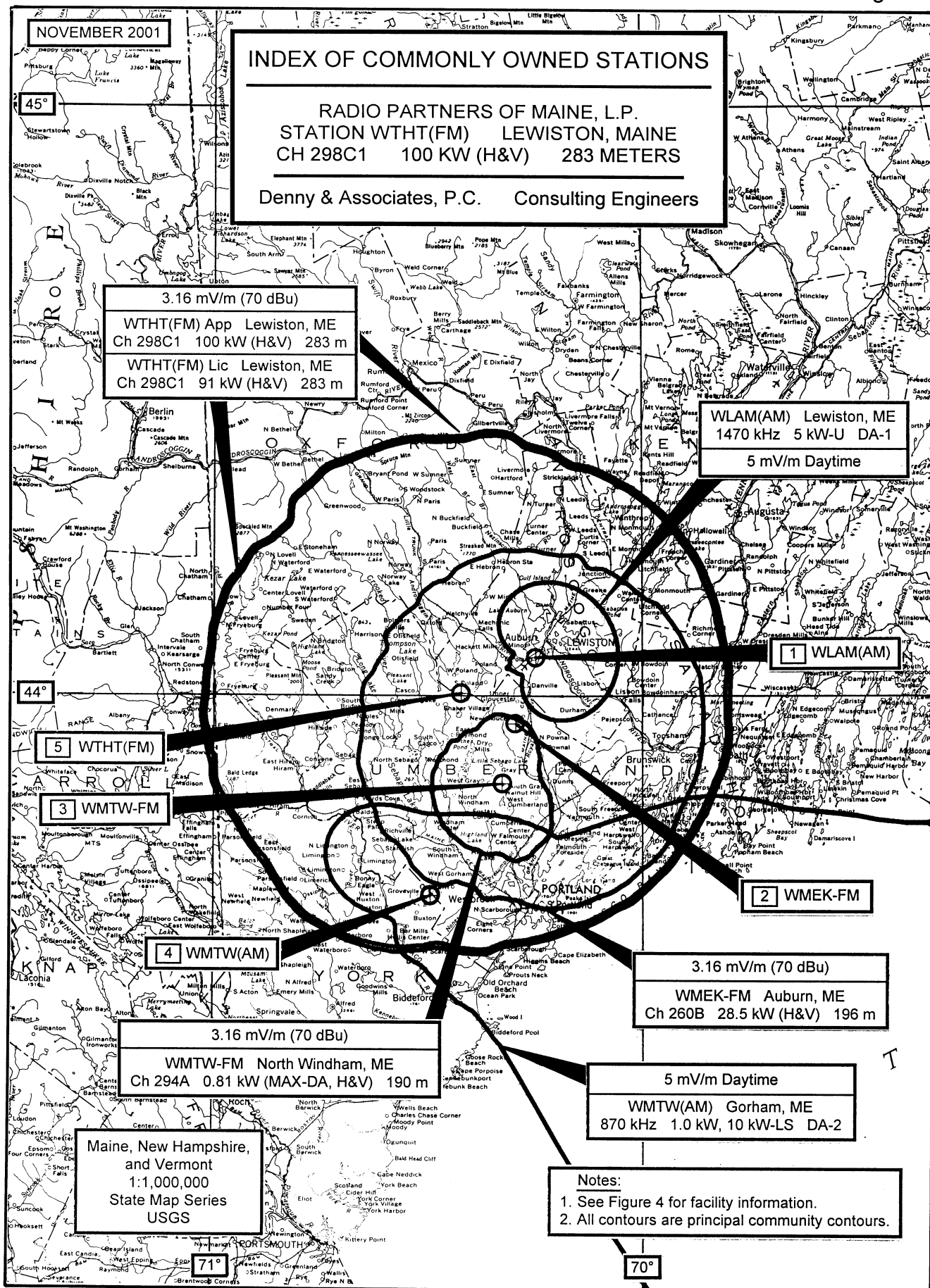


Figure 2

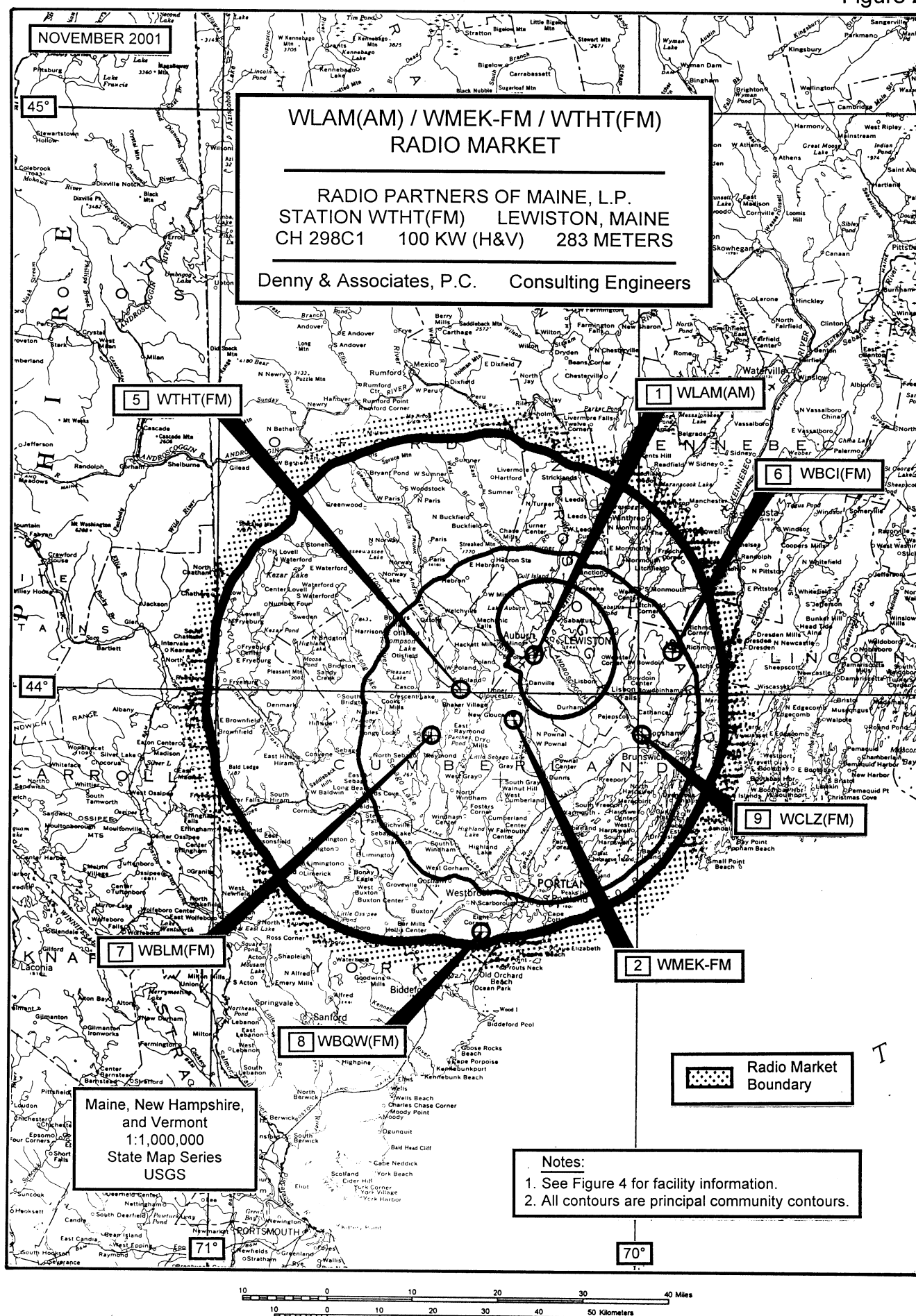


Figure 3

