



**EXHIBIT #1
ENGINEERING STATEMENT**

Board of Regents of the University of Wisconsin System

Minor Change To
WUWM
BLED-19840625dh
Channel 209 – 13.6 kW H & V
Milwaukee, Wisconsin

June 2005

CH 209B

13.6 kW H & V

This engineering statement supports the application of the Board of Regents of the University of Wisconsin System to make a minor change to NCE FM station WUWM, Milwaukee, Wisconsin to correct the transmit coordinates, decrease power and increase antenna height. There are no further changes at this time.

A 60 dBu coverage map is included as Page #3. A total of 8 evenly spaced radials were used to determine the antenna height above average terrain. The N.G.D.C. 30 arc second database was employed to determine the elevations along the radials that were averaged using the required four-point interpolation method. The resulting averaged radial antenna heights were employed using the Commission's own TVFMINT algorithm to project the distances to signal contours. A tabular listing of the distance to the one mV/m contour of the modified facility can be found on page #4 of this exhibit.

Exhibit #15 is an Allocation Report. The first page is a computer channel study of all stations having a frequency and distance relationship. The exhibit gives current operating powers, HAAT's bearings and distances. (All distances were computed according to the method described under Section 73.208 of the Commission's Rules.) The second page is a narrative of the methods and conventions used in the report. There are no pertinent I.F. relationships and the station is okay with regard to Canada, Mexico, AM stations, FCC monitoring stations, Table Mountain and the West Virginia Quiet Zone. Pages 3-8 consist of contour-to-contour maps and FMOVER tables of the proposed station's relationship to first-adjacent construction permit WVFL.C and the pending application for the same facility.

Exhibit #18 concerns protection to television channel six. WUWM is co-located with WITI, Milwaukee.

Exhibit #22 is an R.F. emissions compliance statement.

Page #5 of Exhibit #1 is a statement of the qualifications of the preparer.

Kate Michler

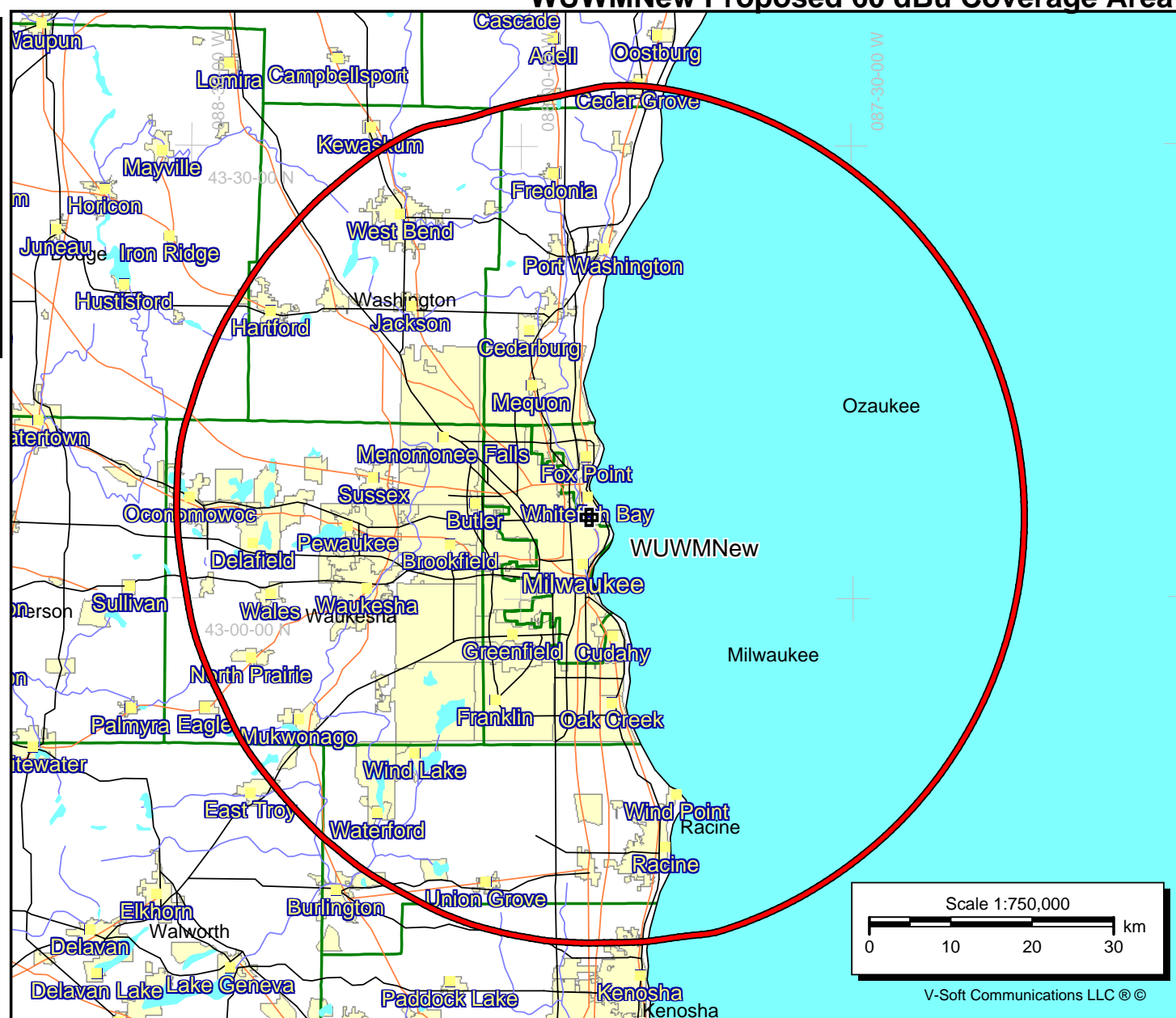
WUWMNew Proposed 60 dBu Coverage Area

WUWMNew

Latitude: 43-05-26 N
 Longitude: 087-53-50 W
 ERP: 13.60 kW
 Channel: 209
 Frequency: 89.7 MHz
 AMSL Height: 484.0 m
 HAAT: 288.98 m
 Horiz. Pattern: Omni
 Vert. Pattern: No

 Pop = 1,678,402

6/13/2005



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N. Lat. = 430526 W. Lng. = 875350
 HAAT and Distance to Contour - FCC Method - 30 Arc. Sec.
 WUWM - Minor Change

Azi.	AV EL	HAAT	ERP kW	Field	60-F5
000	189.8	294.2	13.6000	1.000	52.54
045	177.0	307.0	13.6000	1.000	53.39
090	177.0	307.0	13.6000	1.000	53.39
135	177.4	306.6	13.6000	1.000	53.37
180	194.2	289.8	13.6000	1.000	52.24
225	214.4	269.6	13.6000	1.000	50.83
270	218.1	265.9	13.6000	1.000	50.56
315	212.2	271.8	13.6000	1.000	50.99

Ave El = 195.02 M HAAT= 288.98 M AMSL= 484

Declaration:

I, Katherine A. Michler, have received a Bachelor of Science degree from the University of Northern Iowa, and;

That, I declare that I have received training as a technical consultant as a member of the staff of Doug Vernier Telecommunications Consultants, and;

That, I have apprenticed under Douglas Vernier for over seven years, and;

That, he has been active in broadcast consulting for over 30 years, and;


That, his qualifications are a matter of record with the Federal Communications Commission, and;

That, I am an Associate Member (#20792) of the Society of Broadcast Engineers, Indianapolis, Indiana, and;

That, the consulting firm of Doug Vernier Telecommunications Consultants has been retained by the Board of Regents of the University of Wisconsin System;

That, I have personally prepared these engineering showings, the technical information contained in same and the facts stated within are true to my knowledge, and;

That, under penalty of perjury, I declare that the foregoing is correct.

 Katherine A. Michler

Executed on June 13, 2005