



ENGINEERING STATEMENT

Concerning the Application of
New Hampshire Public Radio
To Construct a New FM Translator
To Serve Portsmouth, New Hampshire
Long Form – BNPFT20030317JVI

July 2003

Channel 280D

0.17 kW ERP Omni

This engineering statement supports the application filed by New Hampshire Public Radio to construct a new FM translator to serve Portsmouth, New Hampshire on Channel 280.

Page #2 is a map depicting the proposed 60 dBu contour of the proposed translator. Included on page #3 is a distance to 60 dBu contour table of the proposed facility.

Exhibit #12 is a computer generated channel study, defining the relationship between the proposed translator and adjacent stations. Page #2 is an explanation of the methods used in preparing the study. Pages 3-4 are maps depicting the contour relationship between the proposed translator and W282AB and WBCN, respectively.

Exhibit #16 is an R.F. emissions compliance statement.

Page #4 of this exhibit is a declaration made by the preparer, Kate Michler, attesting to her qualifications.

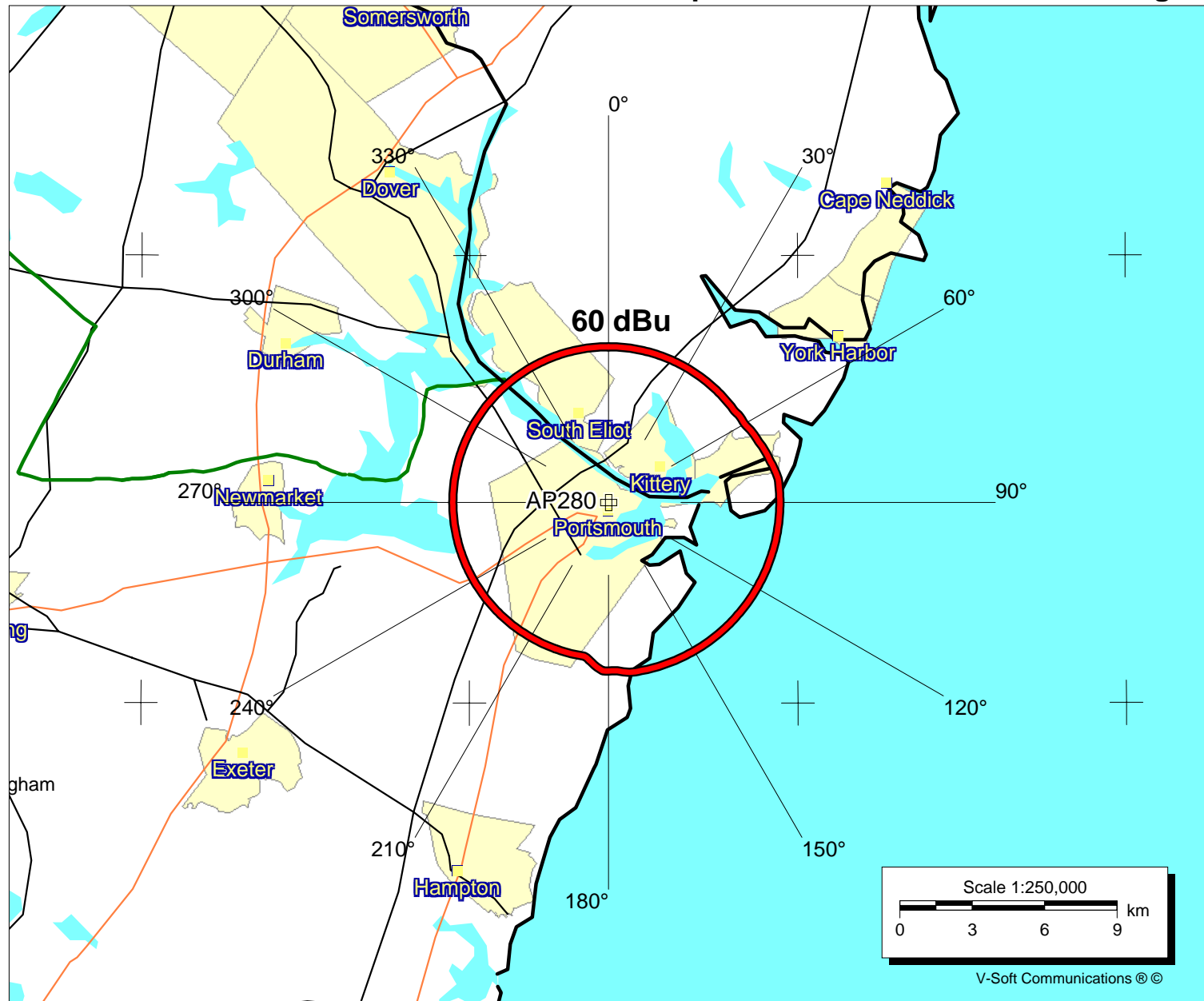
Proposed Translator 60 dBu Coverage

AP280

BNPFT20030317JV1
Latitude: 43-04-29 N
Longitude: 070-45-46 W
ERP: 0.17 kW
Channel: 280
Frequency: 103.9 MHz
AMSL Height: 37.0 m
Elevation: 7.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Pop = 35,099

July 11, 2003

V Doug Vernier
721 West 1st Street, Suite A
Cedar Falls, Iowa 50613
Telecommunications Consultants



Doug Vernier Telecommunications Consultants

BNPFT20030317JVI - Long Form

ERP = .17 kW

Channel = 280

Azimuth Deg. T.	Ave. Elev. 3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 60 dBu Contour km
0	30.9	6.1	-7.696	6.44
30	22.8	14.2	-7.696	6.44
60	6.4	30.6	-7.696	6.49
90	0.0	37.0	-7.696	7.08
120	0.0	37.0	-7.696	7.08
150	0.0	37.0	-7.696	7.08
180	1.3	35.7	-7.696	6.96
210	20.6	16.4	-7.696	6.44
240	20.9	16.1	-7.696	6.44
270	9.0	28.0	-7.696	6.44
300	9.2	27.8	-7.696	6.44
330	10.0	27.0	-7.696	6.44
Ave. = 10.9 M		26.1 M		

Antenna Radiation Center AMSL = 37

NGDC 30 Arc Sec.

Geographic Coordinates:

N. Lat. 43 04 29

W. Lng. 70 45 46

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 five years, and;

That, he has been active in broadcast consulting for over 25 years, and;

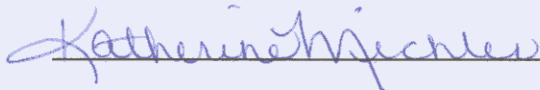
That, his qualifications are a matter of record with the Federal Communications Commission, and;

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 New Hampshire Public Radio;

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;

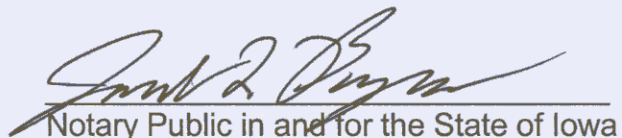
That, under penalty of perjury, I declare that the foregoing is correct.



Katherine A. Michler

Executed on July 11, 2003

Subscribed and sworn before me this 11th day of July, 2003.

A handwritten signature in black ink, appearing to read "Jacob L. Byers", written over a horizontal line.

Notary Public in and for the State of Iowa