

FOR
FCC
USE
ONLY

FCC 301

APPLICATION FOR CONSTRUCTION PERMIT FOR COMMERCIAL BROADCAST STATION

FOR COMMISSION USE ONLY

FILE NO.

Section I - General Information

1	Legal Name of the Applicant Trignation Media, LLC		
	Mailing Address 786 WEST QUEEN STREET		
	City Southington	State or Country (if foreign address) CT	ZIP Code 06489
	Telephone Number (include area code) 8604269253		E-Mail Address (if available) dwebster@vsimedia.com
	FCC Registration Number 0025502626	Call Sign WRYM	Facility ID Number 26314

2.	Contact Representative (if other than applicant) Allan G. Moskowitz, Esq.		Firm or Company Name Allan G. Moskowitz, Esq.
	Mailing Address 10845 Tuckahoe Way		
	City North Potomac	State or Country (if foreign address) MD	ZIP Code 20878
	Telephone Number (include area code) 3019084165		E-Mail Address (if available) amoskowitz@amoskowitzlaw.com

3. If this application has been submitted without a fee, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114):

☐ Governmental Entity ☐ Other _____

4. Application Purpose.

- | | |
|--|--|
| <input type="checkbox"/> New Station | <input type="checkbox"/> Major Modification of construction permit |
| <input type="checkbox"/> New Station with Petition for Rulemaking or Counterproposal to Amend FM Table of Allotments | <input type="checkbox"/> Minor Modification of construction permit |
| <input type="checkbox"/> New Station with Petition for Rulemaking or Counterproposal to Amend FM Table of Allotments using Tribal Priority | <input type="checkbox"/> Major Amendment to pending application |
| | <input type="checkbox"/> Minor Amendment to pending application |
- ☐ Major Change in licensed facility
- ☒ Minor Change in licensed facility

a. File number of original construction permit: _____

☒ N/A

b. Service Type: ☒ AM ☐ FM ☐ TV ☐ DTV ☐ DTS

c. DTV Type: ☐ Pre-Transition ☐ Post-Transition ☐ Both

d. Community of License:

City New Britain	State CT
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e. Facility Type: ☒ Main ☐ Auxiliary

If an amendment, submit as an Exhibit a listing by Section and Question Number of the portions of the pending application that are being revised.

Exhibit No.

NOTE: In addition to the information called for in this section, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided.

Section II - Legal

1. **Certification.** Applicant certifies that it has answered each question in this application based on its review of the application instructions and worksheets. Applicant further certifies that where it has made an affirmative certification below, this certification constitutes its representation that the application satisfies each of the pertinent standards and criteria set forth in the application instructions and worksheets. ☒ Yes ☐ No

2. **Parties to the Application.**

a. List the applicant, and, if other than a natural person, its officers, directors, stockholders and other entities with attributable interests, non-insulated partners and/or members. If a corporation or partnership holds an attributable interest in the applicant, list separately its officers, directors, stockholders and other entities with attributable interests, non-insulated partners and/or members. Create a separate row for each individual or entity. Attach additional pages if necessary.

- | | |
|---|--|
| <p>(1) Name and address of the applicant and each party to the application holding an attributable interest (if other than individual also show name, address and citizenship of natural person authorized to vote the stock or holding the attributable interest). List the applicant first, officers next, then directors and, thereafter, remaining stockholders and other entities with attributable interests, and partners.</p> | <p>(2) Citizenship.
(3) Positional Interest: Officer, director, general partner, limited partner, LLC member, investor/creditor attributable under the Commission's equity/debt plus standard, etc.
(4) Percentage of votes.
(5) Percentage of total assets (equity plus debt).</p> |
|---|--|

(1)	(2)	(3)	(4)	(5)
Not Applicable				

b. Applicant certifies that equity and financial interests not set forth above are non-attributable.

☐ Yes ☐ No

☒ N/A

See Explanation in Exhibit No.

3. **Other Authorizations.** List call signs, locations, and facility identifiers of all other broadcast stations in which applicant or any party to the application has an attributable interest.

Exhibit No.

☒ N/A

4. **Multiple Ownership.**

a. Is the applicant or any party to the application the holder of an attributable radio joint sales agreement or an attributable radio or television time brokerage agreement in the same market as the station subject to this application?

☐ Yes ☒ No

If "YES," radio applicants must submit as an Exhibit a copy of each such agreement for radio stations.

Exhibit No.

Section II - Legal

- b. Applicant certifies that the proposed facility complies with the Commission's multiple ownership rules.

☒ Yes ☐ No

Radio applicants only: If "Yes," submit an Exhibit providing information regarding the market, broadcast station(s), and other information necessary to demonstrate compliance with 47 C.F.R. Section 73.3555(a).

See Explanation
in Exhibit No.

All Applicants: If "No," submit as an Exhibit a detailed explanation in support of an exemption from, or waiver of, 47 C.F.R. Section 73.3555.

- c. Applicant certifies that the proposed facility:

☒ Yes ☐ No

- (1) does not present an issue under the Commission's policies relating to media interests of immediate family members;
- (2) complies with the Commission's policies relating to future ownership interests; and
- (3) complies with the Commission's restrictions relating to the insulation and non-participation of non-party investors and creditors.

See Explanation
in Exhibit No.

- d. Does the Applicant claim status as an "eligible entity," that is, an entity that qualifies as a small business under the Small Business Administration's size standards for its industry grouping (as set forth in 13 C.F.R. Section 121.201), and holds:

☐ Yes ☒ No

- (1) 30 percent or more of the stock or partnership interests and more than 50 percent of the voting power of the corporation or partnership that will own the media outlet; or
- (2) 15 percent or more of the stock or partnership interests and more than 50 percent of the voting power of the corporation or partnership that will own the media outlet, provided that no other person or entity owns or controls more than 25 percent of the outstanding stock or partnership interests; or
- (3) more than 50 percent of the voting power of the corporation that will own the media outlet (if such corporation is a publicly traded company)?

See Explanation
in Exhibit No.

All applicants: If "Yes," submit as an Exhibit a detailed showing demonstrating proof of status as an eligible entity.

5. **Character Issues.** Applicant certifies that neither applicant nor any party to the application

☒ Yes ☐ No

- a. any broadcast application in any proceeding where character issues were left unresolved or were resolved adversely against the applicant or party to the application; or
- b. any pending broadcast application in which character issues have been raised.

See Explanation
in Exhibit No.

6. **Adverse Findings.** Applicant certifies that, with respect to the applicant and any party to the application, no adverse finding has been made, nor has an adverse final action been taken by any court or administrative body in a civil or criminal proceeding brought under the provisions of any law related to the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination.

☒ Yes ☐ No

See Explanation
in Exhibit No.

7. **Alien Ownership and Control.** Applicant certifies that it complies with the provisions of Section 310 of the Communications Act of 1934, as amended, relating to interests of aliens and foreign governments.

☒ Yes ☐ No

See Explanation
in Exhibit No.

8. **Program Service Certification.** Applicant certifies that it is cognizant of and will comply with its obligations as a Commission licensee to present a program service responsive to the issues of public concern facing the station's community of license and service area.

☒ Yes ☐ No

9. **Local Public Notice.** Applicant certifies that it has or will comply with the public notice requirements of 47 C.F.R. Section 73.3580.

☒ Yes ☐ No

10. **Auction Authorization.** If the application is being submitted to obtain a construction permit for which the applicant was the winning bidder in an auction, then the applicant certifies, pursuant to 47 C.F.R. Section 73.5005(a), that it has attached an exhibit containing the information required by 47 C.F.R. Sections 1.2107(d), 1.2110(i), 1.2112(a) and 1.2112(b), if applicable.

☐ Yes ☐ No ☒ N/A

Exhibit No.

An exhibit is required unless this question is inapplicable.

11. **Anti-Drug Abuse Act Certification.** Applicant certifies that neither applicant nor any party to the application is subject to denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862.

☒ Yes ☐ No

12. **Equal Employment Opportunity (EEO).** If the applicant proposes to employ five or more full-time employees, applicant certifies that it is filing simultaneously with this application a Model EEO Program Report on FCC Form 396-A.

☐ Yes ☐ No ☒ N/A

13. **Petition for Rulemaking/Counterproposal to Add New FM Channel to FM Table of Allotments.** If the application is being submitted concurrently with a Petition for Rulemaking or Counterproposal to Amend the FM Table of Allotments (47 C.F.R. Section 73.202) to add a new FM channel allotment, petitioner/counter-proponent certifies that, if the FM channel allotment requested is allotted, petitioner/counter-proponent will apply to participate in the auction of the channel allotment requested and specified in this application.

☐ Yes ☐ No ☒ N/A

14. **Tribal Priority - Threshold Qualifications.** Is the Applicant applying for an FM allotment set forth in a Public Notice announcing a Tribal Threshold Qualifications window? An Applicant answering "Yes" must provide an Exhibit demonstrating that it would have been qualified to add the allotment for which it is applying using the Tribal Priority.

☐ Yes ☒ No

Exhibit No.

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith. I acknowledge that all certifications and attached Exhibits are considered material representations. I hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

Typed or Printed Name of Person Signing David Webster	Typed or Printed Title of Person Signing President
Signature 	Date 06/29/2022

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

SECTION III PREPARER'S CERTIFICATION

I certify that I have prepared Section III (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name		Relationship to Applicant (e.g., Consulting Engineer)	
Signature		Date	
Mailing Address			
City	State or Country (if foreign address)		ZIP Code
Telephone Number (include area code)		E-Mail Address (if available)	

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ENGINEERING REPORT COVERING
REQUEST FOR CONSTRUCTION PERMIT
TRIGNITION MEDIA, LLC
FOR WRYM 840 KILOHERTZ
NEW BRITAIN, CONNECTICUT

JUNE 2022

ENGINEERING REPORT COVERING
REQUEST FOR CONSTRUCTION PERMIT
TRIGNITION MEDIA, LLC
FOR WRYM 840 KILOHERTZ
NEW BRITAIN, CONNECTICUT

SUMMARY

The engineering exhibit of which this statement is part was prepared on behalf of Trignition Media, LLC., hereinafter referred to as "Trignition", in support of an application for construction permit for AM station WRYM New Britain, Connecticut. Trignition is the licensee of WRYM. WRYM is licensed to operate as a Class D station on a frequency of 840 kilohertz on an unlimited time basis utilizing a non-directional antenna system with power of 1 kilowatt daytime and a directional antenna with power of .125 kilowatts nighttime. The purpose of this application is to request a daytime power increase, convert to daytime directional operation and operate with a dual mode directional antenna system. Requested power is 3.5 kilowatts for the daytime proposal. No changes to the nighttime operation are proposed.

ALLOCATION CONSIDERATIONS

An allocation study was conducted for the proposed WRYM 3.5 kilowatt daytime operation. Figures 1-3 are allocation mappings of the co, first, second and third adjacent channels. The licensed WRYM daytime operation causes and receives prohibited overlap with first adjacent channel station WAXB Ridgefield, Connecticut. As shown on Figure 1, the proposed WYRM operation will slightly decrease the caused and received overlap with WAXB. The proposed WRYM operation will receive a small area of coastal overlap from co-channel Canadian notification NEW Amherst, Nova Scotia as shown on Figure 1. NEW is located 820 kilometers from WRYM. The overlap is wholly attributable to the extremely long salt water path between the stations across the Atlantic Ocean. The Commission has typically waived overlap resulting from long salt water paths, and if necessary, Trignition requests a waiver. Aside from NEW and WAXB, the proposed WRYM daytime operation will not cause or receive prohibited overlap with any station.

WRYM operates on 840 kilohertz which is a US Class A frequency and must provide critical hours protection to Class A station WHAS Louisville, Kentucky. The proposed radiation field strength toward WHAS is slightly lower than the licensed values, and accordingly, it can be safely concluded the proposed daytime operation will be compliant with FCC limits on daytime radiation during the critical hours.

TECHNICAL DATA AND EXHIBITS

WRYM is licensed to New Britain, Connecticut. Figure 4 shows the 5 mV/m contour for the proposed WRYM daytime operation covers 100% of the area of New Britain and is therefore compliant with Section 73.24(i) of the rules.

Figure 5 plots the 1000 mV/m contour. The population within the 1000 mV/m contour is 890 persons. The population within the proposed 25 mV/m contour is 243,116. The population in the 1000 mV/m is 0.37% of the population of the 25 mV/m contour. Therefore, this proposal is compliant with Section 73.24(g) of the blanketing interference rules, as the population within the 1000 mV/m contour is less than 1% of the 25 mV/m population.

FIELD STRENGTH MEASUREMENTS

All distance to contour calculations used in plotting the allocation maps were based on M-3 soil conductivity data except where measured data was obtained for WCRN and WEEI from FCC file BP20030114ABK. New measurement data was obtained for WRYM. The WRYM measurement tabulations are graphed on Figures 6-10 and the reference curve graph is shown on Figure 11. Tabulations of the field measurements are provided in Tables 1-5. The field strength meter used for the measurements was a Potomac Instruments FIM-21, serial number 1131. This meter was compared to a similar meter of recent calibration and found to be in substantial agreement on all pertinent measurement scales. The measurements were taken by Dennis Jackson, who has considerable experience taking field measurements for FCC projects, under the direction of the undersigned. A summary of the measured conductivity data is as follows:

WRYM

5° 5-2, 14.6-3, 42.5-2, 77.3-0.5

25° 1.5-2, 2.3-1.5, 11.3-1, 14-2, 33.8-1.5, 57.8-0.5, 69.9-0.1

45° 5.2-1, 13.3-2, 31.1-1.5, 67.2-0.5

65° 1.5-1, 3.5-1.5, 11.4-2, 26.5-1.5, 69-0.1

85° 5.8-1.5, 10.9-2, 14.1-1.5, 21.7-1, 33-0.5, 68.8-0.1

WEEI

200° 1.9-2, 6-5.1, 19-0.5, 108.9-0.1

220° 7-1, 25-0.5, 98.1-0.1

240° 7-1, 29-0.5, 110.3-0.1

260° 7-1.5, 19-0.5, 107.9-0.1

WCRN

180.0° 3-1, 35-0.1

195.0° 5-0.5, 19-0.1

203.5° 5.5-0.5, 19.5-0.1

223.5° 32.5-0.1

237.0° 3.3-0.5, 28.3-0.1

249.5° 5-0.5, 23.1-0.1

262.0° 6.5-0.5, 12.5-1, 34.5-0.5

287.0° 3.5-0.5, 10-1, 19-1.5, 28.5-0.5

ANSI RADIATION GUIDELINES

A study of the proposed 3.5 kilowatt two tower directional antenna facility was conducted with respect to standards set forth in FCC Bulletin OST Number 65, Edition 97-01, regarding human exposure to radiofrequency radiation. The study was based on data provided in Tables 1 and 2 of Supplement A, "Predicted Distances for Compliance with FCC Limits" and assumed a worst-case scenario where the maximum power of 3.5 kilowatts would be directed into the shorter tower. Based on Tables 1 and 2, a distance of 3.6 meters from the tower would have to be observed to achieve ANSI radiofrequency compliance.

When it is necessary for workers to be within the hazard area near the towers, an appropriate power reduction or temporary cessation of broadcasting will be implemented. Access to the towers is prevented by a fence with a locked gate. Signs, warning of an RF hazard, are conspicuously posted at the site.

DECLARATION

The foregoing was prepared by or under the immediate supervision of Charles A. Hecht of Charles A. Hecht & Associates, Inc., Freehold, New Jersey, whose qualifications are a matter of record with the Federal Communications Commission. All statements herein are true and correct of his knowledge except such statements made on information and belief, and as to those statements, he believes them to be true and correct under the penalty of perjury.

Respectfully submitted,

Charles A. Hecht

Charles A. Hecht
Charles A. Hecht & Associates, Inc.
19 Mackenzie Court
Freehold, New Jersey 07728
(732) 577-0711
June 27, 2022

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith. I acknowledge that all certifications and attached Exhibits are considered material representations. I hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

Typed or Printed Name of Person Signing	Typed or Printed Title of Person Signing
Signature	Date

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SECTION III PREPARER'S CERTIFICATION

I certify that I have prepared Section III (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name	Relationship to Applicant (e.g., Consulting Engineer)	
Charles A. Hecht	Technical Consultant	
Signature	Date	
	6/27/22	
Mailing Address		
Charles A Hecht & Associates, Inc. 19 Mackenzie Court		
City	State or Country (if foreign address)	ZIP Code
Freehold	New Jersey	07728
Telephone Number (include area code)	E-Mail Address (if available)	
732 577-0711	hechtassoc@sprintmail.com	

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

SECTION III - A AM Engineering

TECHNICAL SPECIFICATIONS Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

TECH BOX

1. Frequency: 840 kHz
2. Class: ☐ A ☐ B ☐ C ☒ D
3. Hours of Operation: ☒ Unlimited ☐ Limited ☐ Daytime ☐ Share Time ☐ Specified Hours: _____
4. Daytime Operation: ☒ Yes ☐ No
- a. Power: 3.5 kW
- b. Antenna Location Coordinates: (NAD 27)
- 41° 41' 10" ☒ N ☐ S Latitude
72° 43' 47" ☐ E ☒ W Longitude
- c. Nondirectional: ☐ Yes ☒ No

If "Yes," complete the following items. If additional space is needed, please provide the information requested below in an Exhibit.

Exhibit No.

Theoretical _____ mV/m per kW at 1 km

Tower	
Overall height above ground (include obstruction lighting) (meters)	
Antenna structure registration	<div>Number</div> <div><input type="checkbox"/> Notification filed with FAA</div> <div><input type="checkbox"/> Not applicable</div>
Height of radiator above base insulator, or above base, if grounded (meters)	
Electrical height of radiator (degrees)	
Top-Loaded/Sectionalized apparent height (degrees)	
A	
B	
C	
D	

TECH BOX - DAYTIME OPERATION

d. Directional:

☒ Yes ☐ No

If "Yes," complete the following items. If additional space is needed, please provide the information requested below in an Exhibit.

Exhibit No. Theoretical 564.7 Theo 593.3 Std mV/m at 1 km

Standard RMS: _____ mV/m at 1 km

Towers	1	2	3	4
Overall height above ground (include obstruction lighting) (meters)	60.5	77.7		
Antenna structure registration	<u> </u> <input type="checkbox"/> Number Notification filed with FAA <input checked="" type="checkbox"/> Not applicable	<u>1040394</u> <input type="checkbox"/> Number Notification filed with FAA <input type="checkbox"/> Not applicable	<u> </u> <input type="checkbox"/> Number Notification filed with FAA <input type="checkbox"/> Not applicable	<u> </u> <input type="checkbox"/> Number Notification filed with FAA <input type="checkbox"/> Not applicable
Height of radiator above base insulator, or above base, if grounded (meters)	60.5	76.8		
Electrical height of radiator (degrees)	61.0	77.5		
Field ratio	.61	1		
Phase (degrees)	134.9	0		
Spacing (degrees)	0	54.7		
Tower orientation (degrees)	0	68.1		
Tower reference switch	0	0		
Top-Loaded/Sectionalized apparent height (degrees)				
A				
B				
C				
D				

Augmented:

☐ Yes ☒ No

If "Yes," complete the following:

Augmented RMS: _____ mV/m at 1 km

Azimuth

Span

Augmentation radiation
(mV/m at 1 km)

TECH BOX - NIGHTTIME OPERATION

5. Nighttime Operation:

☒ Yes ☐ No

a. Power: .125 kW

b. Antenna Location Coordinates: (NAD 27)

41 ° 41 ' 10 " ☒ N ☐ S Latitude
72 ° 43 ' 47 " ☐ E ☒ W Longitude

c. Nondirectional:

☐ Yes ☒ No

If "Yes," complete the following items. If additional space is needed, please provide the information requested below in an Exhibit.

Exhibit No.

Theoretical _____ mV/m per kW at 1 km

Tower	
Overall height above ground (include obstruction lighting) (meters)	
Antenna structure registration	<p>_____ Number</p> <p><input type="checkbox"/> Notification filed with FAA</p> <p><input type="checkbox"/> Not applicable</p>
Height of radiator above base insulator, or above base, if grounded (meters)	
Electrical height of radiator (degrees)	
Top-Loaded/Sectionalized apparent height (degrees)	
A	
B	
C	
D	

TECH BOX - NIGHTTIME OPERATION

d. Directional:

If "Yes," complete the following items. If additional space is needed, please provide the information requested below in an Exhibit.

☒ Yes ☐ No

Exhibit No.

Theoretical 105.3 mV/m at 1 km
Standard RMS: 111.1 mV/m at 1 km

Towers	1	2	3	4
Overall height above ground (include obstruction lighting) (meters)	60.5	77.7		
Antenna structure registration	<div style="border-bottom: 1px solid black; text-align: center;">Number</div> <input type="checkbox"/> Notification filed with FAA <input checked="" type="checkbox"/> Not applicable	<div style="border-bottom: 1px solid black; text-align: center;">1040394</div> <div style="border-bottom: 1px solid black; text-align: center;">Number</div> <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable	<div style="border-bottom: 1px solid black; text-align: center;">Number</div> <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable	<div style="border-bottom: 1px solid black; text-align: center;">Number</div> <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable
Height of radiator above base insulator, or above base, if grounded (meters)	60.5	76.8		
Electrical height of radiator (degrees)	61.0	77.5		
Field ratio	.988	1		
Phase (degrees)	134.9	0		
Spacing (degrees)	0	54.7		
Tower orientation (degrees)	0	68.1		
Tower reference switch	0	0		
Top-Loaded/Sectionalized apparent height (degrees)				
A				
B				
C				
D				

Augmented:

☐ Yes ☒ No

If "Yes," complete the following:

Augmented RMS: _____ mV/m at 1 km
Azimuth _____ Span _____ Augmentation radiation _____

TECH BOX - CRITICAL HOURS OPERATION

6. Critical Hours Operation:

☐ Yes ☒ No

a. Power: _____ kW

b. Antenna Location Coordinates: (NAD 27)

_____ ° _____ ' _____ " ☐ N ☐ S Latitude
 _____ ° _____ ' _____ " ☐ E ☐ W Longitude

c. Nondirectional:

☐ Yes ☐ No

If "Yes," complete the following items. If additional space is needed, please provide the information requested below in an Exhibit.

Exhibit No.

Theoretical _____ mV/m per kW at 1 km

Tower	
Overall height above ground (include obstruction lighting) (meters)	
Antenna structure registration	<div style="text-align: center;"> _____ Number </div> <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable
Height of radiator above base insulator, or above base, if grounded (meters)	
Electrical height of radiator (degrees)	
Top-Loaded/Sectionalized apparent height (meters)	
A	
B	
C	
D	

TECH BOX - CRITICAL HOURS OPERATION

d. Directional:

☐ Yes ☐ No

if "Yes," complete the following items. If additional space is needed, please provide the information requested below in an Exhibit.

Exhibit No.

Theoretical mV/m at 1 km

Standard RMS: mV/m at 1 km

Towers	1	2	3	4
Overall height above ground (include obstruction lighting) (meters)				
Antenna structure registration	<div style="border-bottom: 1px solid black; text-align: center;">Number</div> <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable	<div style="border-bottom: 1px solid black; text-align: center;">Number</div> <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable	<div style="border-bottom: 1px solid black; text-align: center;">Number</div> <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable	<div style="border-bottom: 1px solid black; text-align: center;">Number</div> <input type="checkbox"/> Notification filed with FAA <input type="checkbox"/> Not applicable
Height of radiator above base insulator, or above base, if grounded (meters)				
Electrical height of radiator (degrees)				
Field ratio				
Phase (degrees)				
Spacing (degrees)				
Tower orientation (degrees)				
Tower reference switch				
Top-Loaded/Sectionalized apparent height (degrees)				
A				
B				
C				
D				

Augmented:

☐ Yes ☐ No

If "Yes," complete the following:

Augmented RMS: mV/m at 1 km

Azimuth

Span

Augmentation radiation

NOTE: In addition to the information called for in this section, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided.

CERTIFICATION

7. **Broadcast Facility.** The proposed facility complies with the engineering standards and assignment requirements of 47 C.F.R. Sections 73.24(e), 73.24(g), 73.33, 73.45, 73.150, 73.152, 73.160, 73.182(a)-(i), 73.186, 73.189, 73.1650. **Exhibit Required.**

☒ Yes ☐ No

Exhibit No.
Comp. Eng.

See Explanation
in Exhibit No.
8. **Community Coverage.** The proposed facility complies with community coverage requirements of 47 C.F.R. Section 73.24(i).

☒ Yes ☐ No

Exhibit No.

See Explanation
in Exhibit No.
9. **Main Studio Location.** The proposed main studio location complies with requirements of 47 C.F.R. Section 73.1125.

☒ Yes ☐ No

Exhibit No.

See Explanation
in Exhibit No.
10. **Interference.** The proposed facility complies with all of the following applicable rule sections. Check all those that apply. An exhibit is required for each applicable section.

Groundwave.

a. ☒ 47 C.F.R. Section 73.37

Exhibit No.
Comp. Eng.

Skywave.

b. ☐ 47 C.F.R. Section 73.182.

Exhibit No.

Critical Hours.

c. ☐ 47 C.F.R. Section 73.187.

Exhibit No.
11. **Environmental Protection Act.** The proposed facility is excluded from environmental processing under 47 C.F.R. Section 1.1306 (i.e., the facility will not have a significant environmental impact and complies with the maximum permissible radio frequency electromagnetic exposure limits for controlled and uncontrolled environments). Unless the applicant can determine compliance through the use of the RF worksheets in Appendix A, an **Exhibit is required.**

☒ Yes ☐ No

See Explanation
in Exhibit No.

By checking "Yes" above, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radio frequency electromagnetic exposure in excess of FCC guidelines.
12. **Community of License Change - Section 307(b).** If the application is being submitted to change the facility's community of license, then the applicant certifies that it has attached an exhibit containing information demonstrating that the proposed community of license change constitutes a preferential arrangement of assignments under Section 307(b) of the Communications Act of 1934, as amended (47 U.S.C. Section 307(b)).

☐ Yes ☐ No ☒ N/A

Exhibit No.

An exhibit is required unless this question is not applicable.
13. **Dispositive Section 307(b) Preference**
 - a. Was the AM facility that is the subject of this application awarded on the basis of a dispositive Section 307(b) preference?

☐ Yes ☒ No
 - b. If yes to 13(a), applicant certifies that: (i) the community of license proposed in the subject application is the same as that on which the Section 307(b) preference was based, or (ii) as shown in the attached Exhibit, the service area proposed in the subject application is substantially equivalent to the service area on which the Section 307(b) preference was based.

☐ Yes ☐ No ☒ N/A

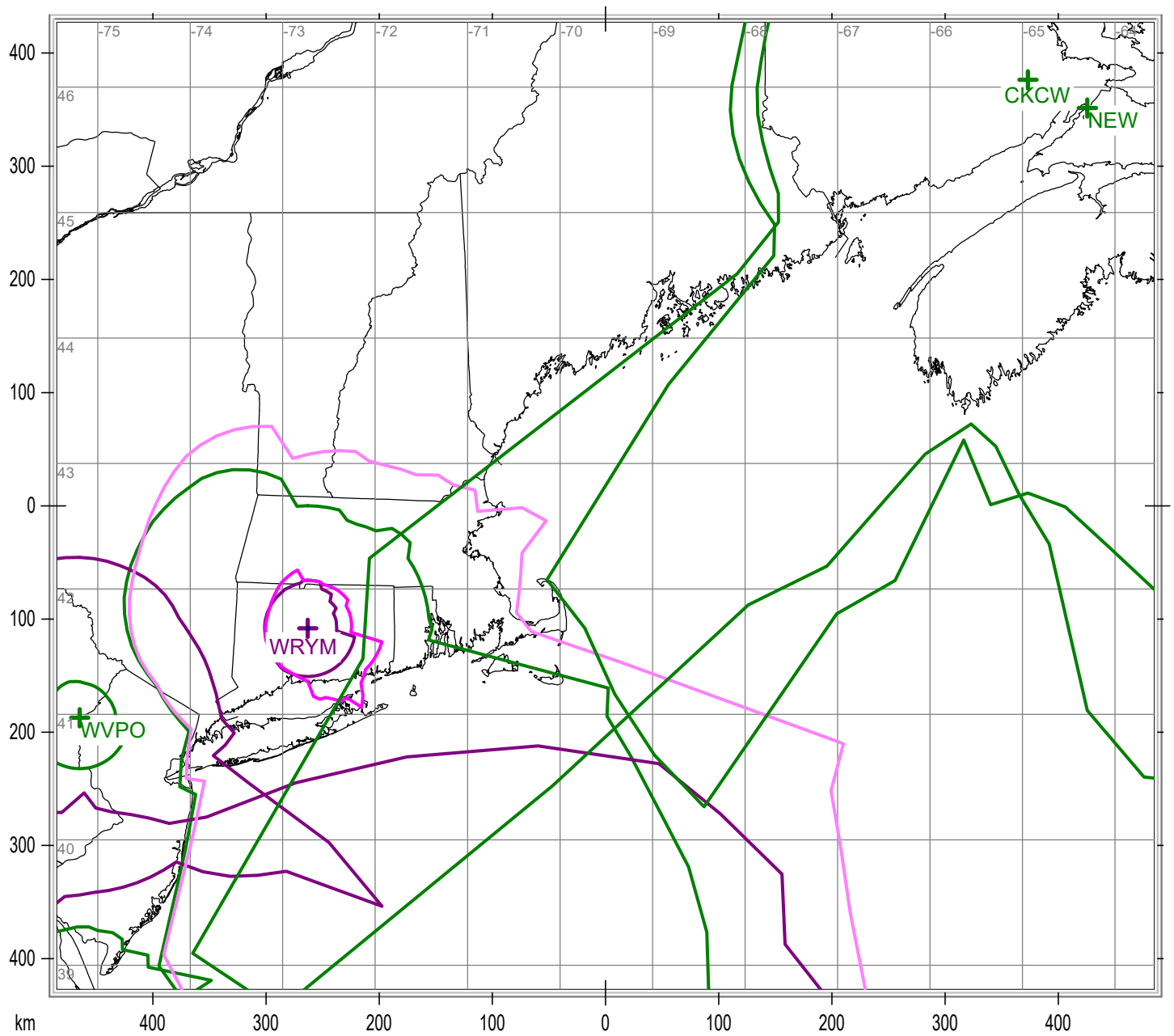
Exhibit No.
 - c. If yes to 13(a) and no to 13(b), applicant certifies that, although in the subject application it proposes to: (i) change the community of license, or (ii) modify service to the area on which the Section 307(b) preference was based, it has for a period of four years of on-air operations: (1) served the community of license, or (2) provided full service to the area on which the Section 307(b) preference was based.

☐ Yes ☐ No

Exhibit No.

FIGURE 1 - DAY CO-CHANNEL ALLOCATION STUDY

SHOWING .5 AND .025 MV/M CONTOURS, PROPOSED WRYM IN MAGENTA



WRYM 840 KILOHERTZ 3.5 KW DA NEW BRITAIN, CONNECTICUT

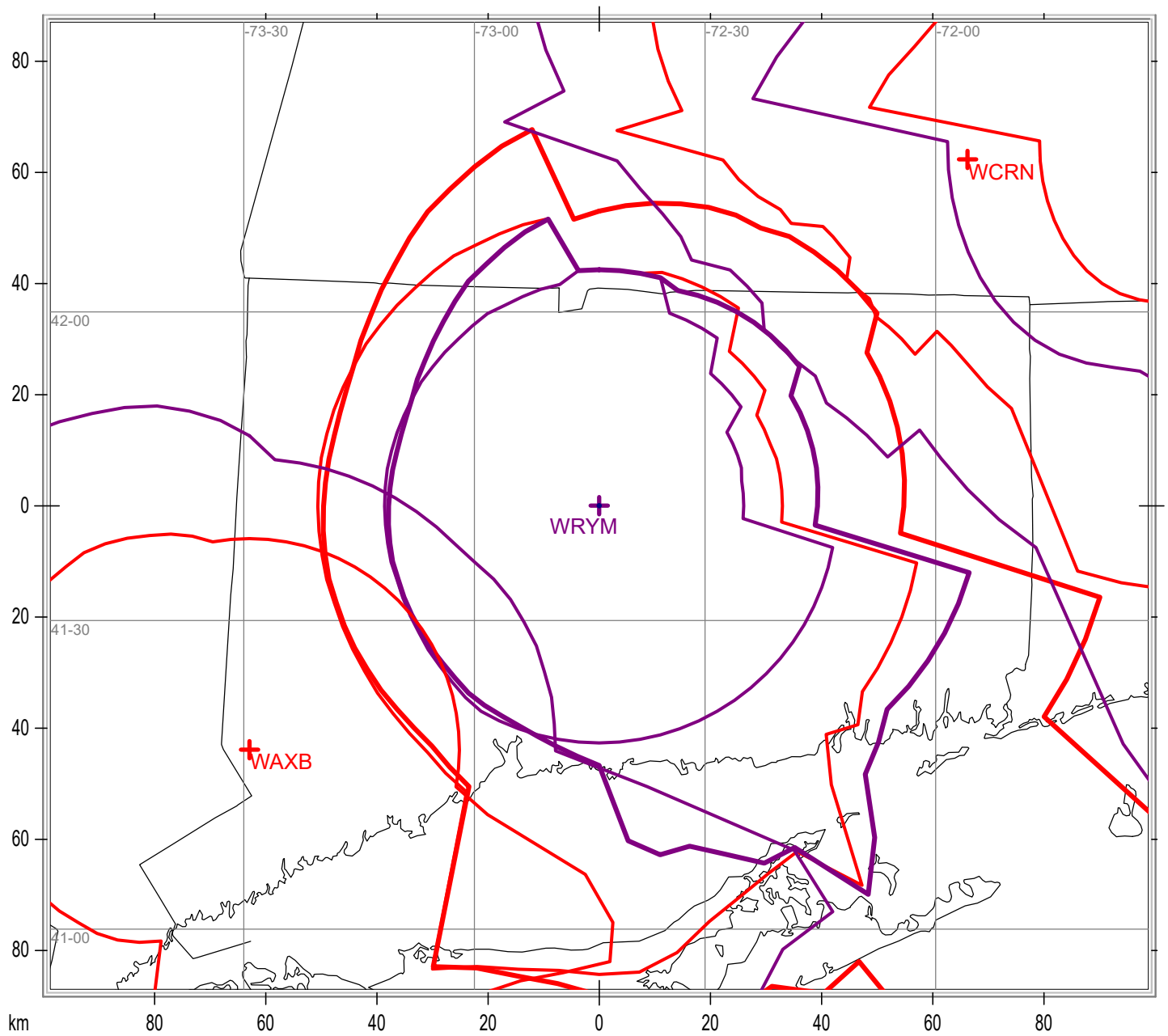
State Borders Lat/Lon Grid

Map Scale: 1:5400000 1 cm = 54.00 km V/H Size: 854.20 x 969.66 km

CHARLES A. HECHT & ASSOCIATES, INC. - JUNE 2022

FIGURE 2 - DAY ADJACENT CHANNEL ALLOCATION STUDY

SHOWING .5 AND .25 MV/M CONTOURS, PROPOSED WRYM IN BOLDFACE

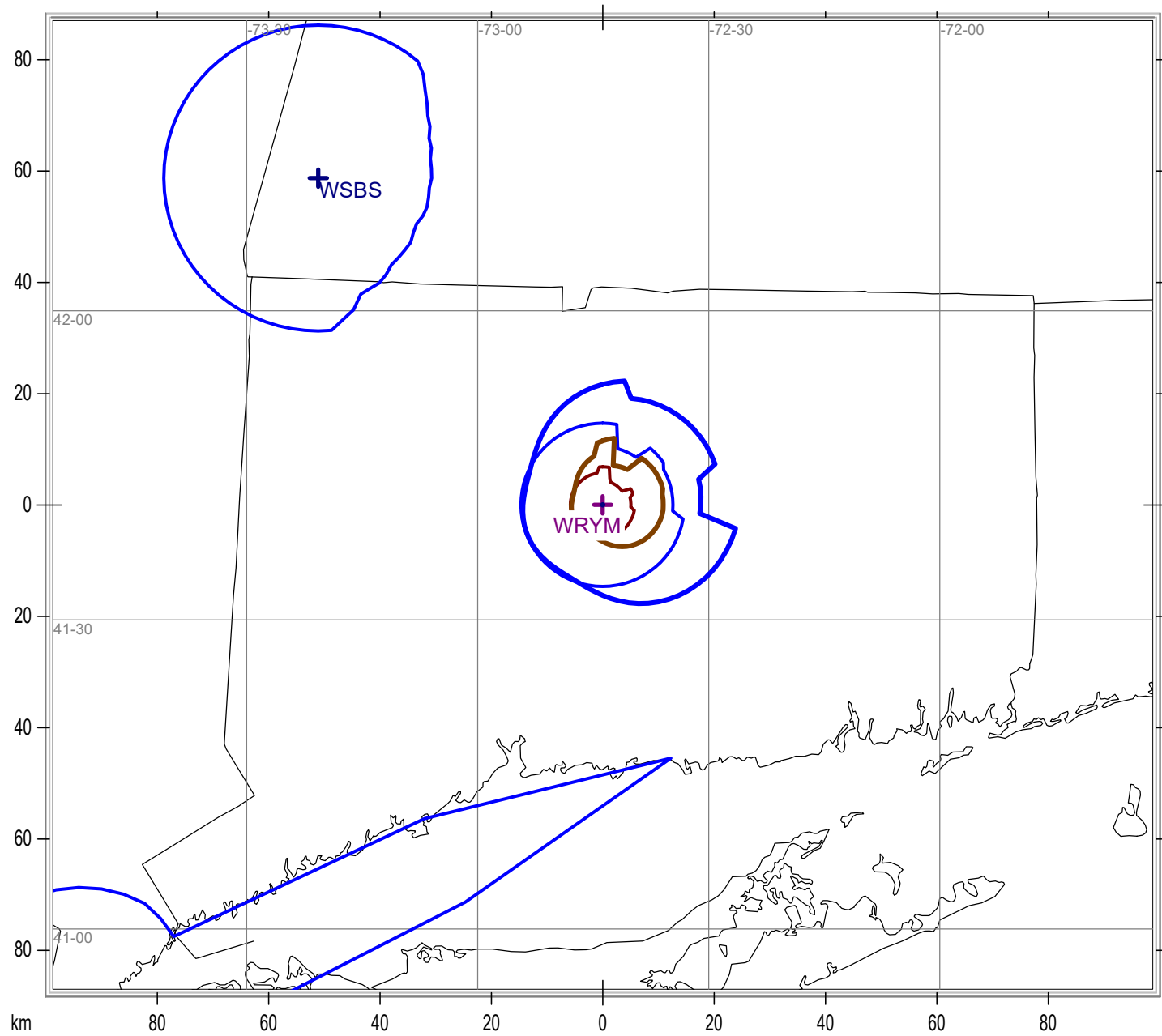


WRYM 840 KILOHERTZ 3.5 KW DA NEW BRITAIN, CONNECTICUT

State Borders Lat/Lon Grid

FIG 3 - DAY 2ND & 3RD ADJ CHANNEL ALLOCATION STUDY

SHOWING .25 AND 5 MV/M CONTOURS, PROPOSED WRYM IN BOLDFACE

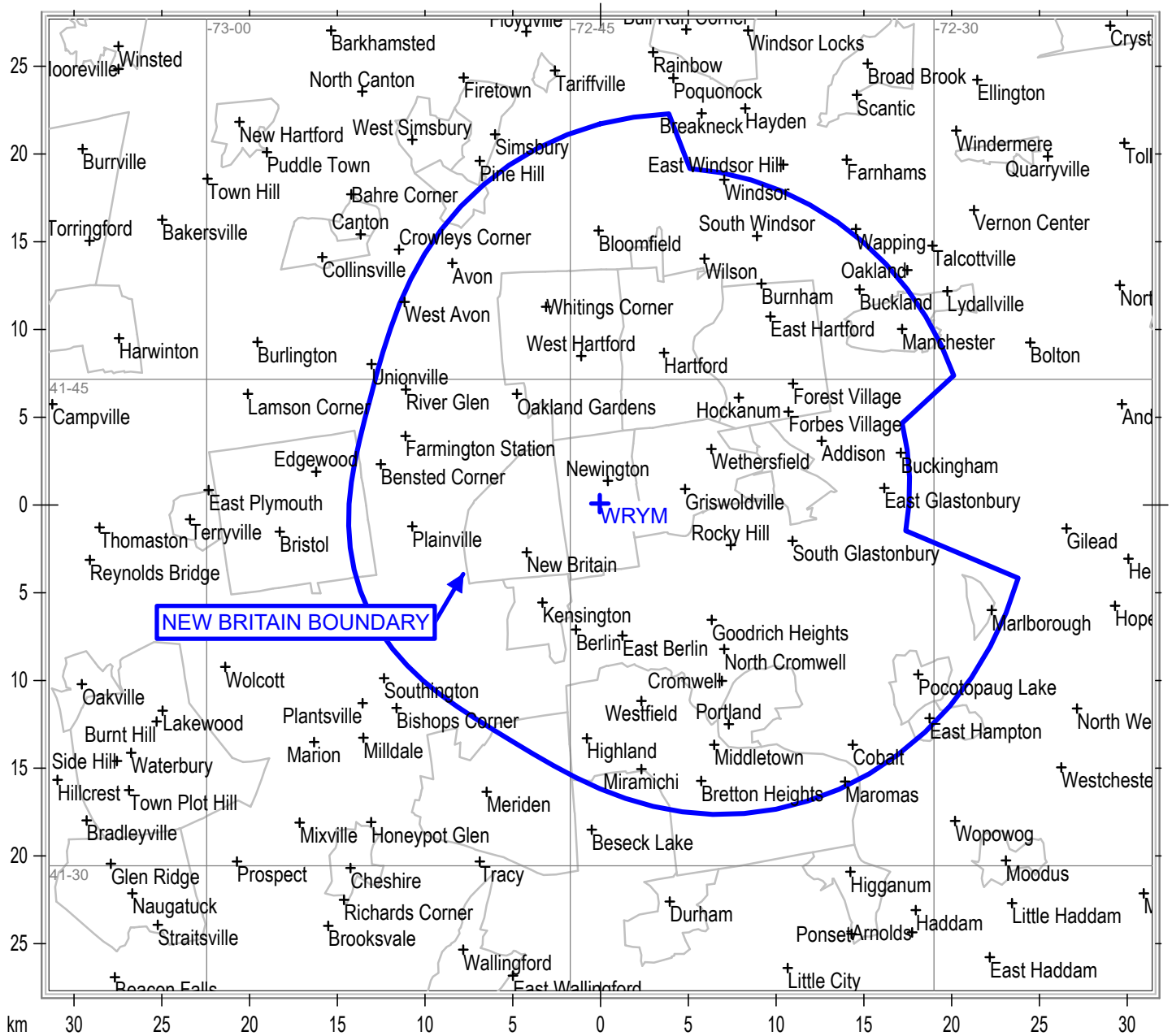


WRYM 840 KILOHERTZ 3.5 KW DA NEW BRITAIN, CONNECTICUT

State Borders Lat/Lon Grid

FIGURE 4 - CITY OF LICENSE SERVICE MAP

SHOWING 5 MV/M CONTOUR

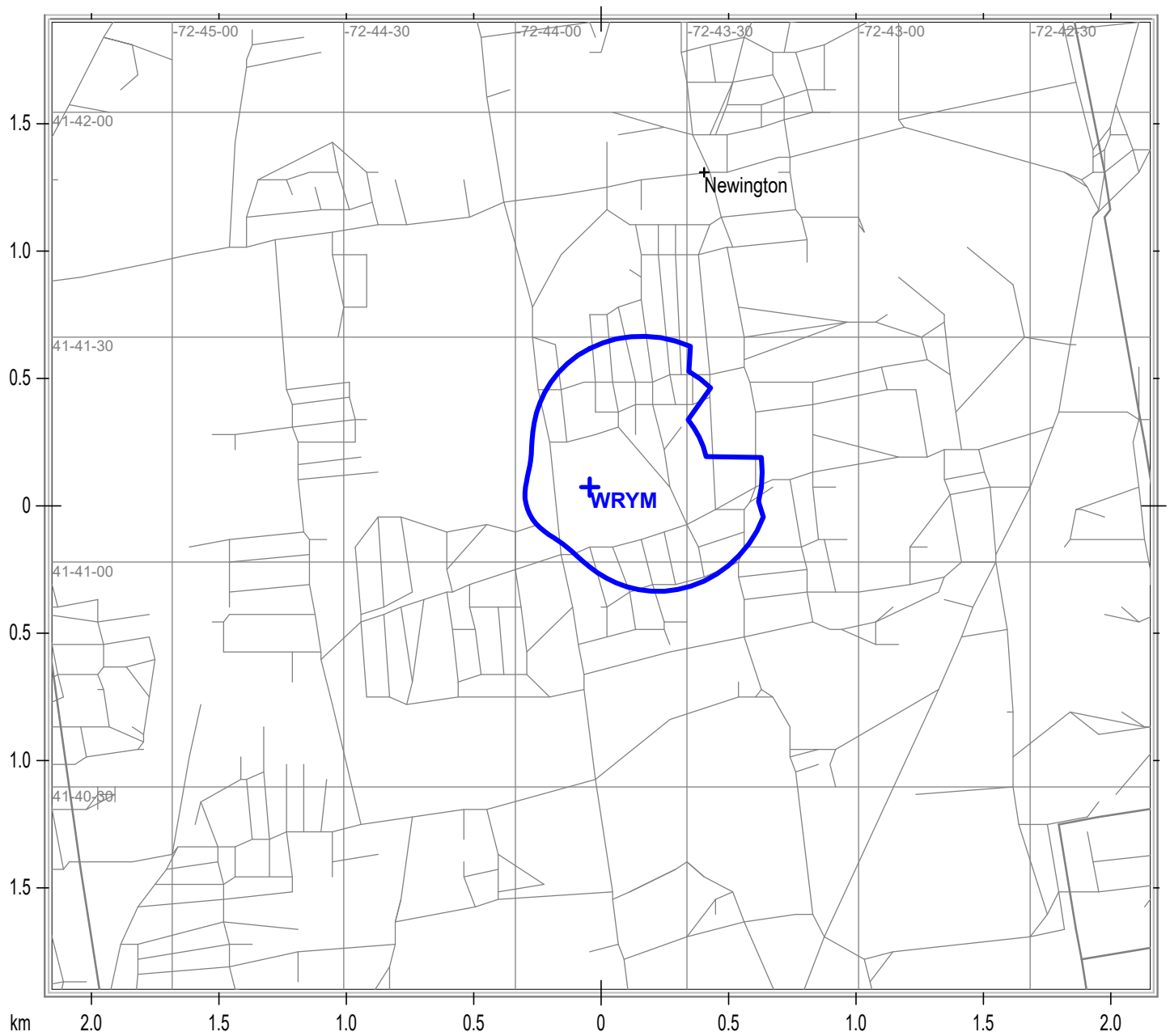


WRYM 840 KILOHERTZ 3.5 KW DA NEW BRITAIN, CONNECTICUT

State Borders City Borders Lat/Lon Grid

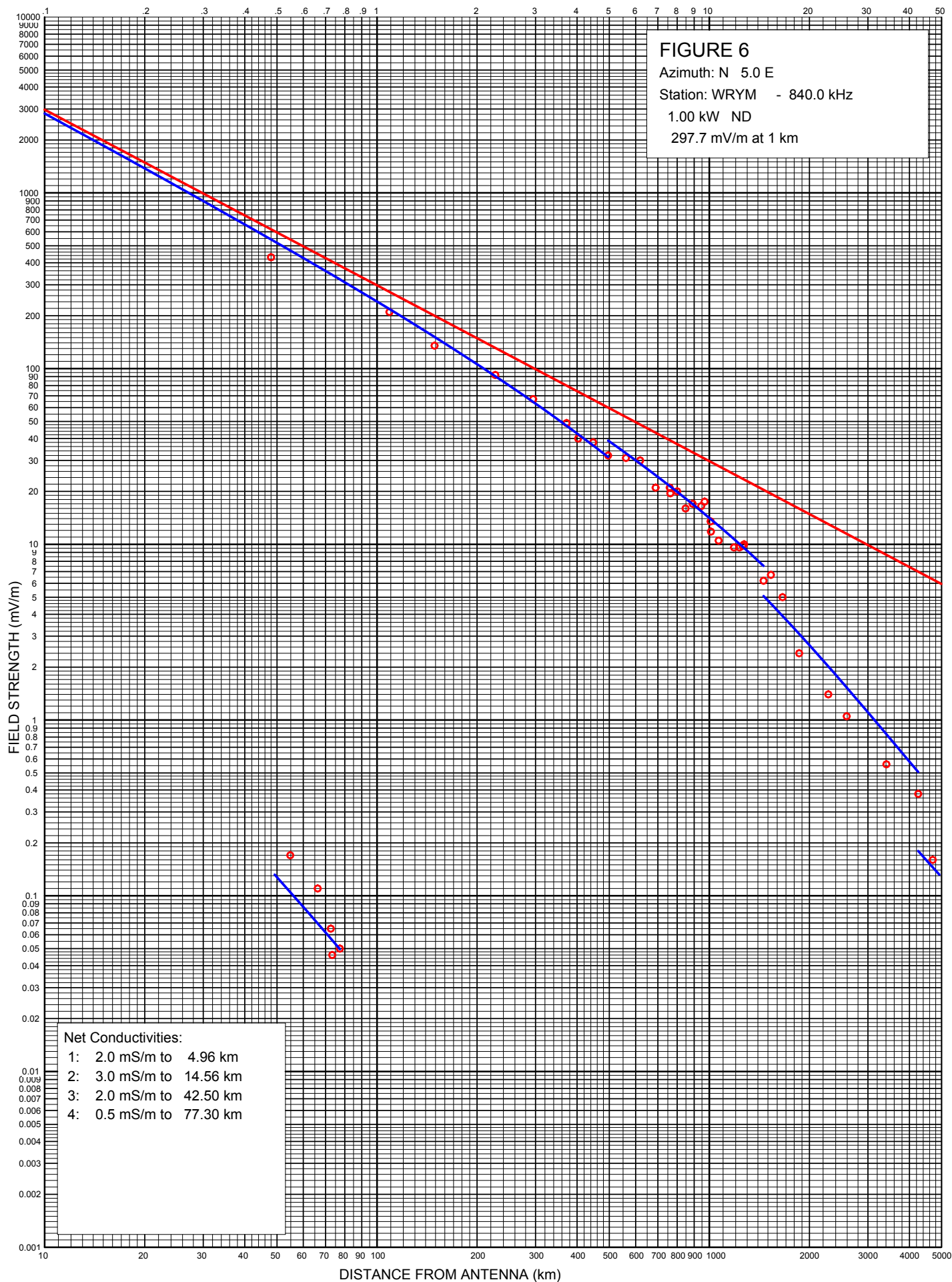
FIGURE 5 - 1000 MV/M CONTOUR MAP

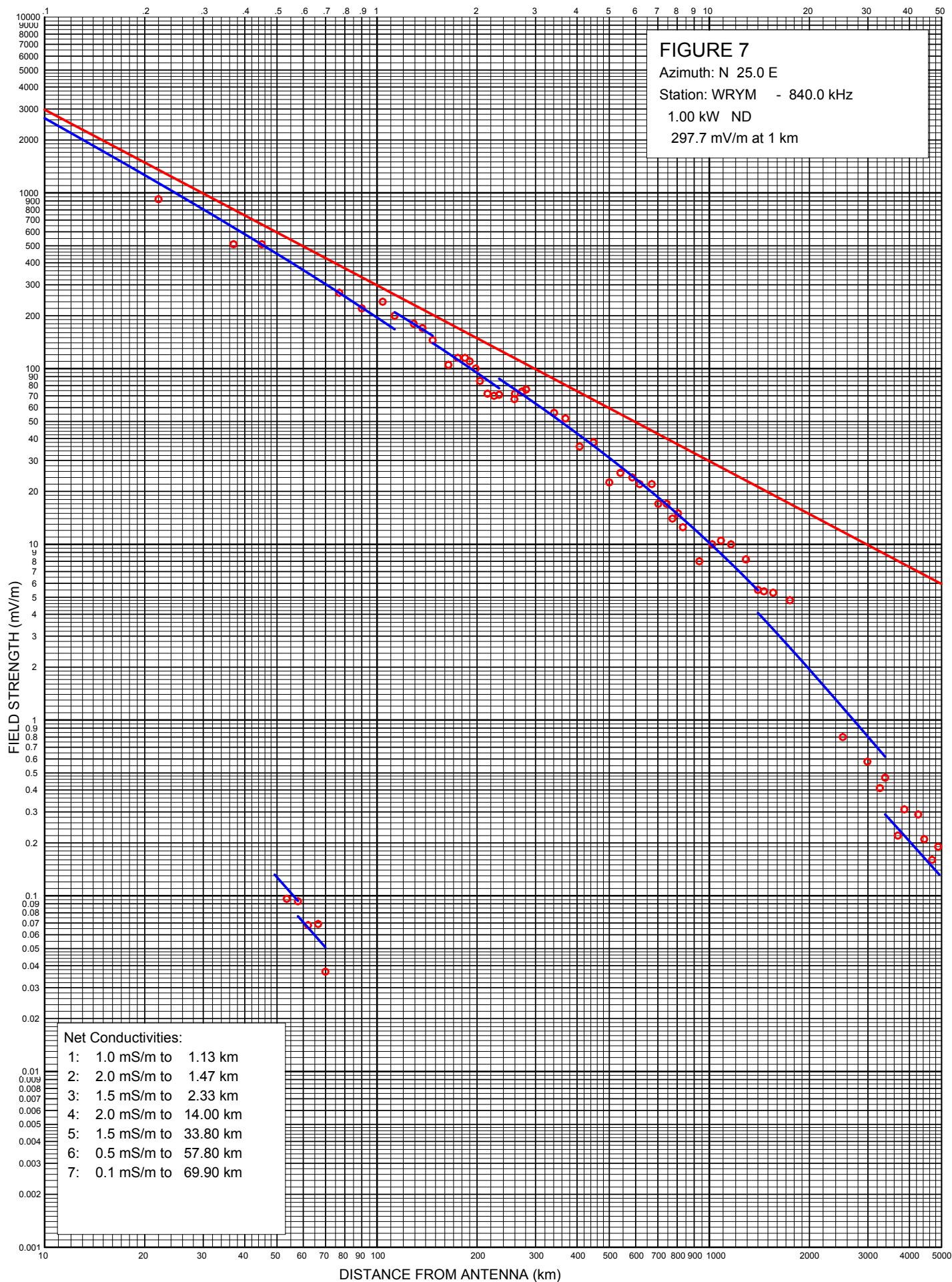
POPULATION IN CONTOUR IS 890 PERSONS

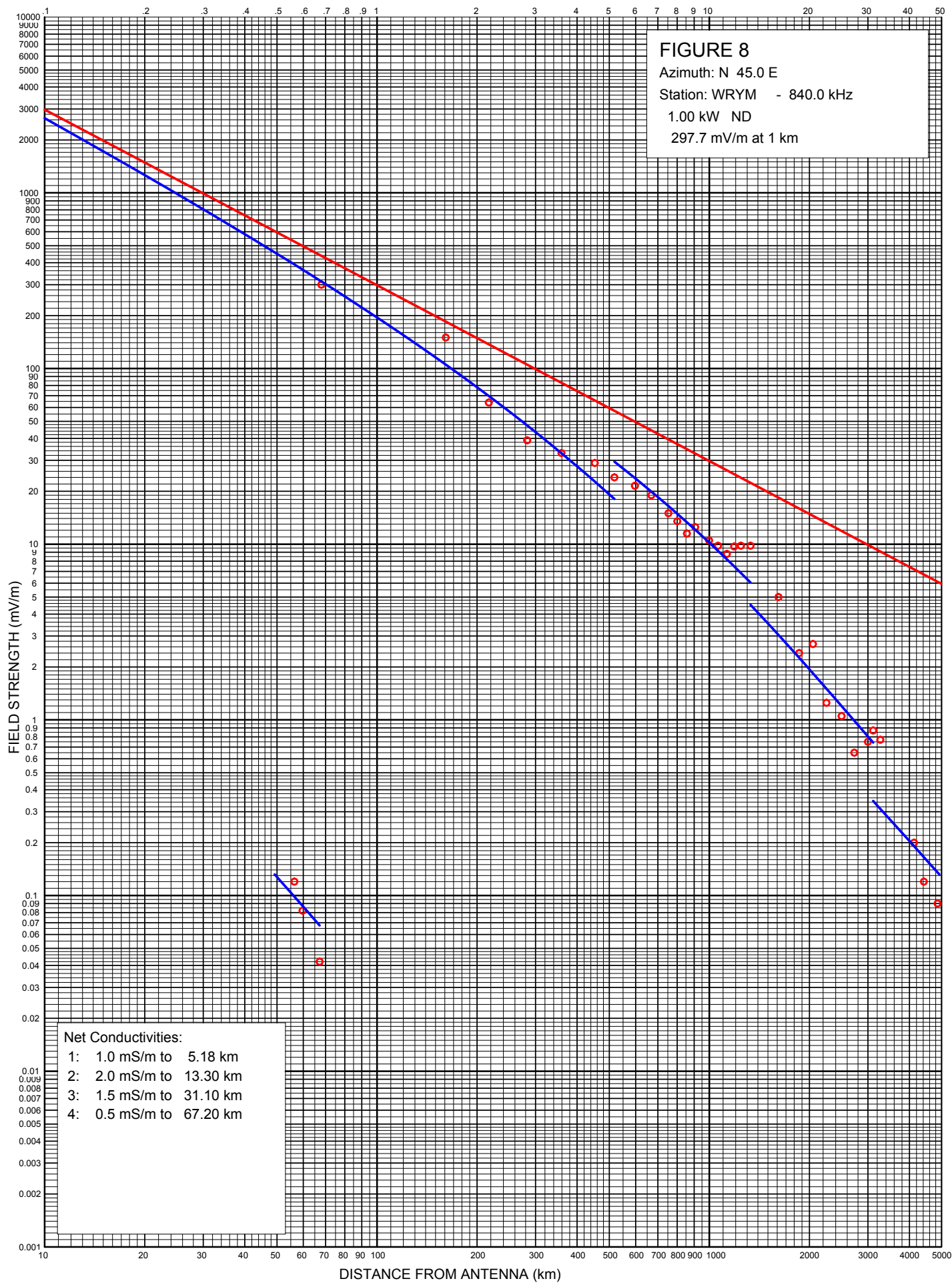


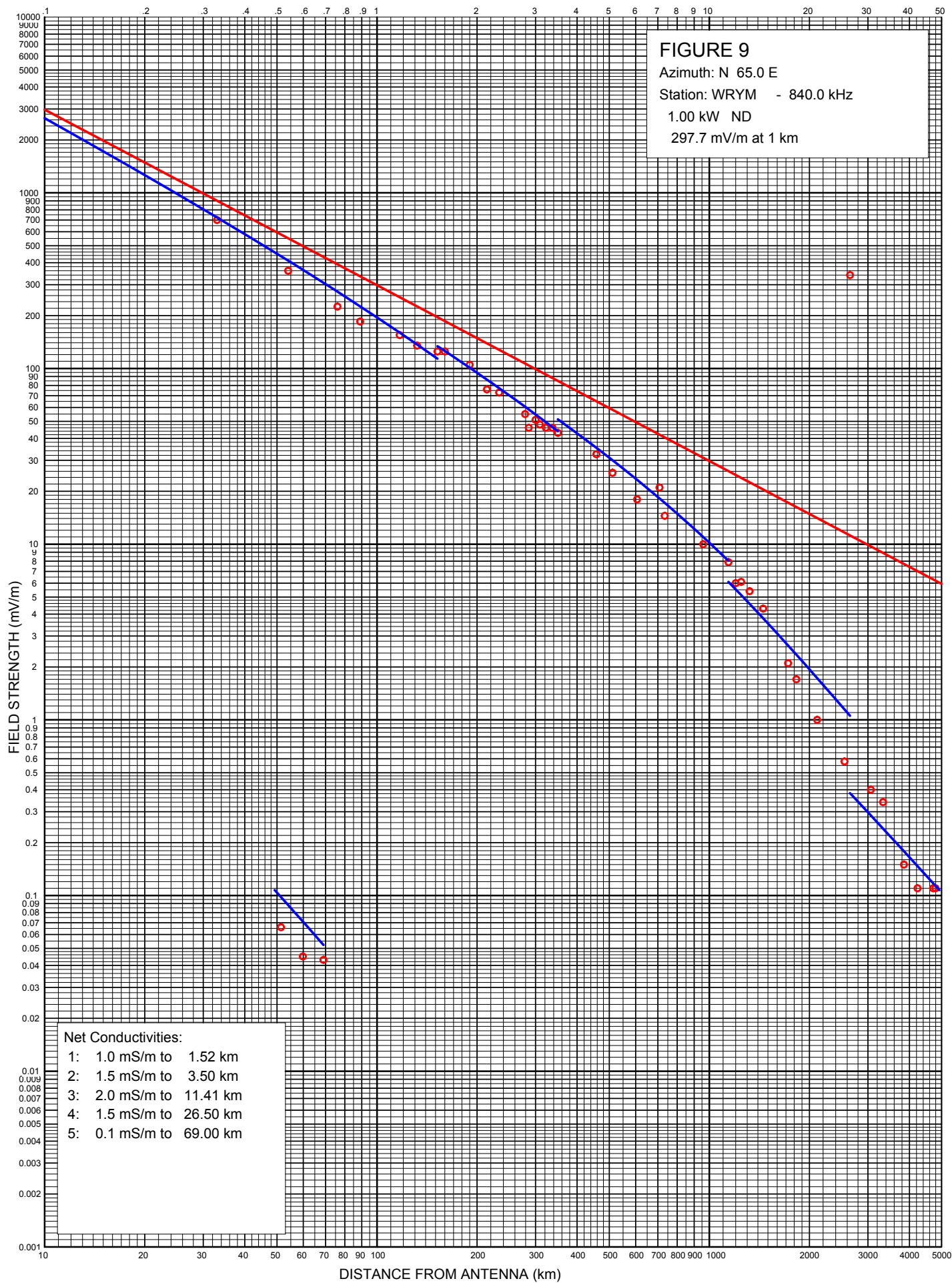
WRYM 840 KILOHERTZ 3.5 KW DA NEW BRITAIN, CONNECTICUT

State Borders City Borders Streets Lat/Lon Grid









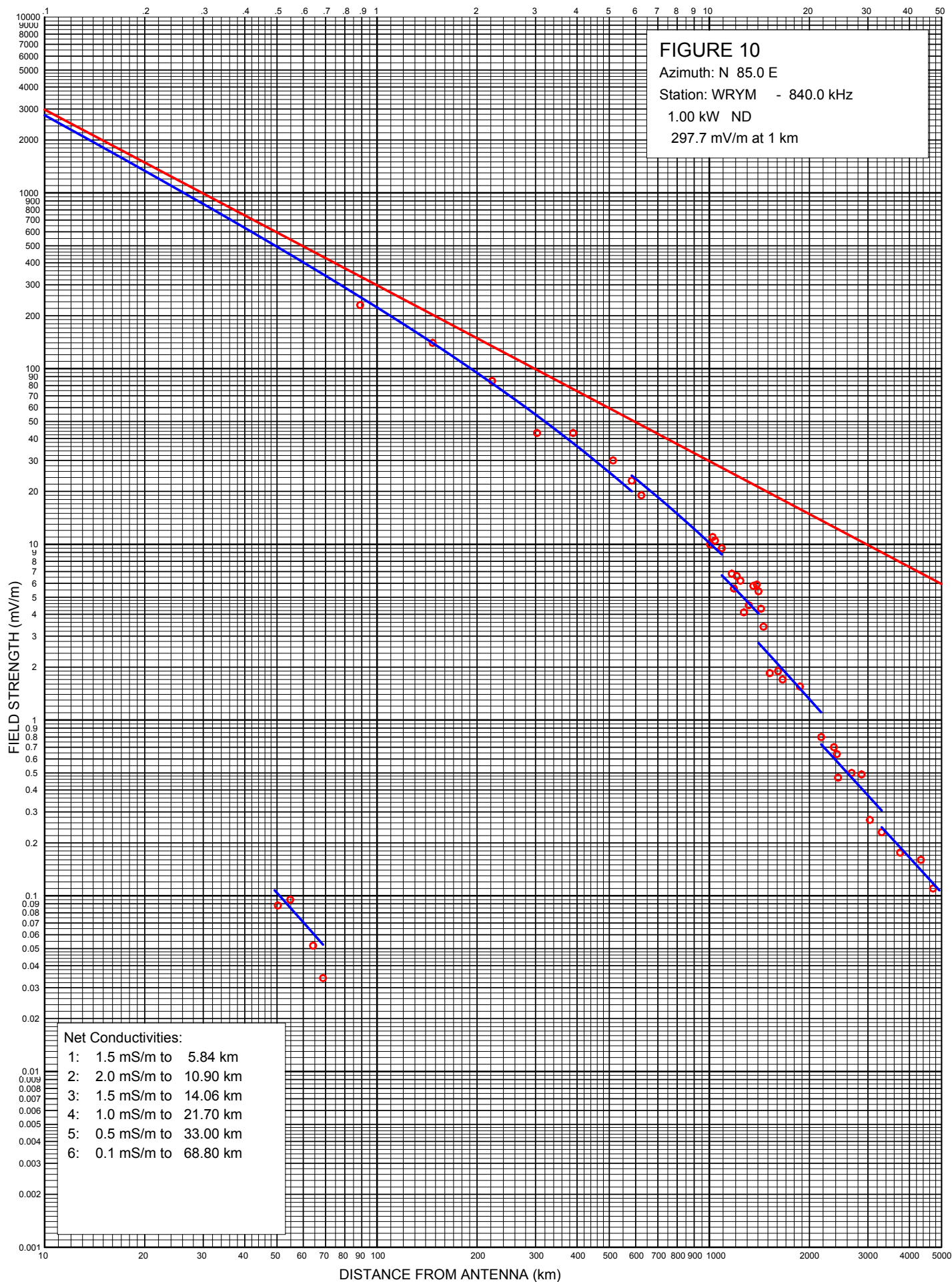


FIGURE 11

