

Federal Communications Commission Washington, D.C. 20554  <p style="text-align: center;"><b>FCC 349</b></p>	Approved by OMB 3060-0405 (October 2009)  FOR FCC USE ONLY
<p><b>APPLICATION FOR AUTHORITY TO CONSTRUCT OR MAKE CHANGES IN AN FM TRANSLATOR OR FM BOOSTER STATION</b></p> <p>Read INSTRUCTIONS Before Filling Out Form</p>	FOR COMMISSION USE ONLY FILE NO. -

**Section I - General Information**

1.	Legal Name of the Applicant STATE UNIVERSITY OF NEW YORK								
	Mailing Address STATE UNIVERSITY PLAZA ATTN: OFFICE OF GENERAL COUNSEL								
	City ALBANY	State or Country (if foreign address) NY	ZIP Code 12246 -						
	Telephone Number (include area code) 5183201400	E-Mail Address (if available)							
	FCC Registration Number:	Call Sign W297BM	Facility Identifier 143586						
2.	Contact Representative (if other than Applicant) LISA S. CAMPO		Firm or Company Name STATE UNIVERSITY OF NEW YORK						
	Mailing Address STATE UNIVERSITY PLAZA S-325								
	City ALBANY	State or Country (if foreign address) NY	ZIP Code 12246 -						
	Telephone Number (include area code) 5183201400	E-Mail Address (if available) LISA.CAMPO@SUNY.EDU							
3.	If this application has been submitted without a fee, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114): <input checked="" type="radio"/> Governmental Entity <input type="radio"/> Noncommercial Educational Licensee/Permittee <input type="radio"/> Other <input type="radio"/> N/A (Fee Required)								
4.	Facility information: a. <input checked="" type="radio"/> FM Translator <input type="radio"/> FM Booster b. Community or communities to which the proposed facility will be licensed: <table border="1" style="margin-left: 20px; border-collapse: collapse;"> <tr> <td style="width: 150px;">Community(ies)</td> <td>State</td> </tr> <tr> <td>STONY BROOK</td> <td>NY</td> </tr> <tr> <td> </td> <td> </td> </tr> </table>			Community(ies)	State	STONY BROOK	NY		
Community(ies)	State								
STONY BROOK	NY								
5.	<p><b>Application Purpose</b></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="radio"/> New station  <input type="radio"/> Major Change in licensed facility  <input type="radio"/> Minor Change in licensed facility                             </div> <div style="width: 45%;"> <input type="radio"/> Major Modification of construction permit  <input checked="" type="radio"/> Minor Modification of construction permit  <input type="radio"/> Major Amendment to pending application  <input type="radio"/> Minor Amendment to pending application                             </div> </div> <p>a. File number of original construction permit: <span style="float: right;">BNPFT-20130828AEJ</span></p> <p>If an amendment, <b>submit as an Exhibit</b> a listing by Section and Question Number the portions of the pending application that are being revised. <span style="float: right;">[Exhibit 1]</span></p>								

**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. See General Instruction J.**

**Section II - Legal**

1.	<p><b>Certification.</b> 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.</p>	<input checked="" type="radio"/> Yes <input type="radio"/> No									
2.	<p>Applicant is:</p> <table border="1" style="width:100%"> <tr> <td><input type="radio"/> an individual</td> <td><input type="radio"/> a general partnership</td> <td><input type="radio"/> a for-profit corporation</td> </tr> <tr> <td><input type="radio"/> a limited partnership</td> <td><input type="radio"/> a not-for-profit corporation</td> <td><input type="radio"/> a limited liability company (LLC/LC)</td> </tr> <tr> <td colspan="3"><input checked="" type="radio"/> other</td> </tr> </table> <p>a. If "other", describe nature of applicant in an Exhibit. [Exhibit 2]</p>	<input type="radio"/> an individual	<input type="radio"/> a general partnership	<input type="radio"/> a for-profit corporation	<input type="radio"/> a limited partnership	<input type="radio"/> a not-for-profit corporation	<input type="radio"/> a limited liability company (LLC/LC)	<input checked="" type="radio"/> other			
<input type="radio"/> an individual	<input type="radio"/> a general partnership	<input type="radio"/> a for-profit corporation									
<input type="radio"/> a limited partnership	<input type="radio"/> a not-for-profit corporation	<input type="radio"/> a limited liability company (LLC/LC)									
<input checked="" type="radio"/> other											
3.	<p>a. Applicant certifies that it is not the licensee or permittee of the commercial primary station being rebroadcast and that neither it nor any parties to the application have any interest in or connection with the commercial primary station being rebroadcast. See 47 C.F.R. Section 74.1232(d).</p> <p>b. Applicant certifies that the FM translator's (a) coverage contour does not extend beyond the protected contour of the commercial FM primary station to be rebroadcast, or (b) entire 60 dBu contour is contained within the lesser of: (i) the 2 mV/m daytime contour of the AM primary station to be rebroadcast, or (ii) a 25-mile radius centered at the AM primary station's transmitter site.</p>	<p><input type="radio"/> Yes <input type="radio"/> No  <input checked="" type="radio"/> N/A</p> <p>See Explanation in [Exhibit 3]</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No  <input type="radio"/> N/A</p> <p>See Explanation in [Exhibit 4]</p>									
<p><b>NOTE: If No to a. and b., and no waiver has been requested in an Exhibit, this application is unacceptable for filing.</b> See 47 C.F.R. Section 74.1232(d).</p> <p>If Yes to (a) and No to (b) applicant is prohibited from receiving any support, before or after construction, either directly or indirectly from the commercial primary station being rebroadcast or from any person or entity having any interest whatsoever, or any connection with the primary FM station. Interested and connected parties include group owners, corporate parents, shareholders, officers, directors, employees, general and limited partners, family members and business associates. See 47 C.F.R. Section 74.1232(e).</p>											
4.	<p>The applicant, if for a commercial FM translator station with a coverage contour extending beyond the protected contour of the commercial primary station being rebroadcast, certifies that it has not received any support, before or after constructing, directly or indirectly, from the licensee/permittee of the primary station or any person with an interest in or connection with the licensee or permittee of the primary station, except for technical assistance as provided for under 47 C.F.R. Section 74.1232(e).</p>	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A									
5.	<p>For applicants proposing translator rebroadcasts that are not the licensee of the primary station, the applicant certifies that written authority has been obtained from the licensee of the station whose programs are to be retransmitted. <b>If No, this application is unacceptable for filing.</b></p>	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A									
6.	<p><b>Character Issues.</b> Applicant certifies that neither applicant nor any party to the application has or has had any interest in or connection with:</p> <p>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</p> <p>b. any pending broadcast application in which character issues have been raised.</p>	<input checked="" type="radio"/> Yes <input type="radio"/> No									

7.	<p><b>Adverse Findings.</b> Applicant certifies that, with respect to the applicant, any party to the application, and any non-party equity owner in the applicant, 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.</p> <p>If the answer is "No," attach as an Exhibit a full disclosure concerning the persons and matters involved, including an identification of the court or administrative body and the proceeding (by dates and file numbers), and a description of the disposition of the matter. Where the requisite information has been earlier disclosed in connection with another application or as required by 47 C.F.R. Section 1.65, the applicant need only provide: (i) an identification of that previous submission by reference to the file number in the case of an application, the call letters of the station regarding which the application or Section 1.65 information was filed, and date of filing; and (ii) the disposition of the previously reported matter.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 7]</p>
8.	<p><b>Alien Ownership and Control.</b> 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.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 8]</p>
9.	<p><b>Program Service Certification.</b> 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.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>
10.	<p><b>Local Public Notice.</b> Applicant certifies compliance with the public notice requirements of 47 C.F.R. Section 73.3580.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>
11.	<p><b>Auction Authorization.</b> 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.</p> <p>An exhibit is required unless this question is inapplicable.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p><input checked="" type="radio"/> N/A</p> <p>See Explanation in [Exhibit 9]</p>
12.	<p><b>Anti-Drug Abuse Act Certification.</b> 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.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>
13.	<p><b>Equal Employment Opportunity (EEO).</b> 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.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p><input checked="" type="radio"/> N/A</p>

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 WILLIAM F. HOWARD	Typed or Printed Title of Person Signing SR. VICE CHANCELLOR, GENERAL COUNSEL & SECRETARY OF THE UNIV
Signature	Date 12/22/2016

**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 DOUG VERNIER		Relationship to Applicant (e.g., Consulting Engineer) ENGINEERING CONSULTANT	
Signature		Date 12/22/2016	
Mailing Address DOUG VERNIER TELECOMMUNICATIONS CONSULTANTS 8893 LAKES BLVD			
City WEST PALM BEACH		State or Country (if foreign address) FL	Zip Code 33412 -
Telephone Number (include area code) 3192668402		E-Mail Address (if available) DVERNIER@V-SOFT.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 - 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. Channel: 297											
2. Primary Station:											
Facility ID Number			Call Sign			City			State		
63110			WUSB			STONY BROOK			NY		
3. Delivery Method (Select One): <input type="radio"/> Off-air <input type="radio"/> Microwave <input type="radio"/> Satellite <input type="radio"/> Via <input checked="" type="radio"/> Other											
4. Antenna Location Coordinates: (NAD 27)											
Latitude:											
Degrees			Minutes			Seconds			Direction		
40			54			58.6			<input checked="" type="radio"/> North <input type="radio"/> South		
Longitude:											
Degrees			Minutes			Seconds			Direction		
73			7			28.3			<input checked="" type="radio"/> West <input type="radio"/> East		
5. Antenna Structure Registration Number: <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA											
6. Antenna Location Site Elevation Above Mean Sea Level:									40 meters		
7. Overall Tower Height Above Ground Level:									51 meters		
8. Height of Radiation Center Above Ground Level:									50 meters(H) 50 meters(V)		
9. Effective Radiated Power:									0.006 kW(H) 0.006 kW(V)		
10. Transmitting Antenna:											
Before selecting Directional "Off-the-Shelf", refer to "Search for Antenna Information" under <a href="http://licensing.fcc.gov/prod/cdbs/pubacc/prod/cdbs_pa.htm">CDBS Public Access</a> (http://licensing.fcc.gov/prod/cdbs/pubacc/prod/cdbs_pa.htm). Make sure that the Standard Pattern is marked Yes and that the relative field values shown match your values. Enter the Manufacturer (Make) and Model exactly as displayed in the Antenna Search.											
<input checked="" type="radio"/> Nondirectional <input type="radio"/> Directional Off-the Shelf <input type="radio"/> Directional composite											
Manufacturer ERI Model 100A-1											
Rotation:degrees <input type="checkbox"/> No Rotation											
Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value

0		10		20		30		40		50	
60		70		80		90		100		110	
120		130		140		150		160		170	
180		190		200		210		220		230	
240		250		260		270		280		290	
300		310		320		330		340		350	
Additional Azimuths											

[Relative Field Polar Plot](#)

11. **For FM Boosters and Fill-in translators only.**

a. **FM Fill-in translators.** Applicant certifies that the FM translator's (a) coverage contour does not extend beyond the protected contour of the commercial FM primary station to be rebroadcast, or (b) entire 60 dBu contour is contained within the lesser of: (i) the 2 mV/m daytime contour of the AM primary station to be rebroadcast, or (ii) a 25-mile radius centered at the AM primary station's transmitter site.  Yes  No  
 N/A

See Explanation in [Exhibit 10]

b. **FM Boosters.** Applicant certifies that the FM Booster station's service contour is entirely within the primary station's protected coverage contour.  Yes  No  
 N/A

See Explanation in [Exhibit 11]

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12. **Interference.** The proposed facility complies with all of the following applicable rule sections. Check all that apply:  Yes  No

See Explanation in [Exhibit 12]

**Overlap Requirements.**

a) 47 C.F.R. Section 74.1204 [Exhibit 13]

**Exhibit Required.**

**Television Channel 6 Protection.**

b) 47 C.F.R. Section 74.1205 with respect to station(s) [Exhibit 14]

**Exhibit Required.**

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13. **Unattended operation.** Applicant certifies that unattended operation is not proposed, or if this application proposes unattended operation, the applicant certifies that it will comply with the requirements of 47 C.F.R. Section 74.1234.  Yes  No

See Explanation in [Exhibit 15]

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14. **Multiple Translators.** Applicant certifies that it does not have any interest in an application or an authorization for an FM translator station that serves substantially the same area and rebroadcasts the same signal as the proposed FM translator station.  Yes  No

See Explanation in [Exhibit 16]

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15. **Environmental Protection Act.** Applicant certifies that 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 radiofrequency 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 17]

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 radiofrequency electromagnetic exposure in excess of FCC guidelines.

**PREPARER'S CERTIFICATION ON PAGE 4 MUST BE COMPLETED AND SIGNED.**

**Section IV -- Noncommercial Educational Point System Factors - -New and Major Change Applications on Reserved Channels Only** ( used to select among mutually exclusive applications for new stations and major modifications) **NOTE:** Applicants will not received any additional points for amendments made after the close of the application filing window.

<b>Preliminary Matter:</b> Does this application provide fill-in service only?		<input type="radio"/> Yes <input type="radio"/> No
1.	<b>Established Local Applicant:</b> Applicant certifies that for at least the 24 months immediately prior to application, and continuing through the present, it qualifies as a local applicant pursuant to 47 C.F.R. Section 73.7000, that its governing documents require that such localism be maintained, and that it has placed documentation of its qualifications as an established local applicant in a local public inspection file and has submitted to the Commission copies of the documentation.	<input type="radio"/> Yes <input type="radio"/> No
2.	<b>Diversity of Ownership:</b> Applicant certifies that the principal community (city grade) contour of the proposed station does not overlap the principal community contour of any other authorized radio station (including AM, FM, and non-fill-in FM translator stations, commercial or noncommercial) in which any party to the application has an attributable interest as defined in 47 C.F.R. Section 73.3555, that its governing documents require that such diversity qualification in a local public inspection file and has submitted to the Commission copies of the documentation.	<input type="radio"/> Yes <input type="radio"/> No
3.	<b>State-wide Network:</b> Applicant certifies that (a) it has NOT claimed a credit for diversity of ownership above; (b) it is one of the three specific types of organizations described in 47 C.F.R. Section 73.7003(b)(3); and (c) it has placed documentation of its qualifications in a local public inspection file and has submitted to the Commission copies of the documentation.	<input type="radio"/> Yes <input type="radio"/> No
4.	<b>Technical Parameters:</b> Applicant certifies that the numbers in the boxes below accurately reflect the new (increased) area and population that its proposal would serve with a 60 dBu signal measured in accordance with the standard predicted contours in 47 C.F.R. Section 73.713(c) and that it has documented the basis for its calculations in the local public inspection file and has submitted copies to the Commission. Major modification applicants should include the area of proposed increase only (exclude the station's existing service area). (Points, if any, will be determined by FCC)	<input type="radio"/> Yes <input type="radio"/> No
	New (increased) area served in square kilometers (excluding areas of water):	
	Population served based on the most recent census block data from the United States Bureau of Census using the centroid method:	
<b>Tie Breakers</b>		
5.	<b>Existing Authorizations.</b> a. By placing a number in the box, the applicant certifies that it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date filing, existing authorizations for the following number of relevant broadcast stations. FM translator applicants should count all attributable full service radio stations, AM and FM, commercial and noncommercial and FM translator stations other than fill-in stations.  (number of attributable commercial and non-commercial licenses and construction permits)  b. (Fill-in Applicants Only.) By placing a number in the box, the applicant certifies that, in addition to the station identified in 5(a), it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date filing, existing authorizations for the following number of FM translators.	
6.	<b>Pending Applications.</b> a. By placing a number in the box, the applicant certifies that it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date filing, pending applications for new or major changes to the following number of relevant broadcast stations, AM and FM, commercial and non-commercial and FM translator stations other than fill-in stations.  (number of attributable commercial and non-commercial applications)  b. (Fill-in Applicants Only.) By placing a number in the box, the applicant certifies that, in addition to the station identified in 5(a), it and any persons and organizations with attributable interests in the applicant pursuant to 47 C.F.R. Section 73.3555 have, as of the date of filing, existing authorizations for the following number of FM translators.	

**Section VI -- Certification**

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 WILLIAM F. HOWARD	Typed or Printed Title of Person Signing SR. VICE CHANCELLOR, GENERAL COUNSEL & SECRETARY OF THE UNIV
Signature	Date 12/22/2016

**Exhibits****Exhibit 1**

**Description:** PROPOSED AMENDMENT

AMEND C.P. TO CHANGE SITE. COORDINATES WILL CHANGE.

**Attachment 1****Exhibit 2**

**Description:** EXPLANATION OF OTHER

APPLICANT IS A STATE UNIVERSITY.

**Attachment 2****Exhibit 10**

**Description:** FILL-IN EXHIBIT

THE TRANSLATOR WILL BE A FILL-IN FOR WUSB, STONY BROOK, NEW YORK. PLEASE SEE THE ATTACHED MAP COMPARING THE PROPOSED 60 DBU WITH PRIMARY STATION WUSB.

**Attachment 10**

Description
<a href="#">Fillin Exhibit</a>

**Exhibit 12**

**Description:** INTERFERENCE

PLEASE SEE EXHIBIT #13

**Attachment 12****Exhibit 13**

**Description:** COMPLETE ALLOCATIONS STUDY

THE ATTACHED STUDY SHOWS THAT THE INSTANT PROPOSAL WILL NOT CAUSE PROHIBITED CONTOUR OVERLAP TO ANY STATION, C.P., APPLICATION OR ALLOCATION, WITH THE EXCEPTION OF 3RD ADJACENT WEBE. THIS STATION IS PROTECTED USING U/D. DOCUMENTATION OF NO INTERFERENCE TO WEBE IS FOUND HEREIN.

THE DISTANCE BETWEEN THE PROPOSED SITE AND THE CURRENT SITE ON THE ORIGINAL CONSTRUCTION PERMIT IS 1.56 KILOMETERS. THE 60 DBU CONTOURS OF THE STATIONS CROSS EACH OTHER.

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**Attachment 13**

Description
<a href="#">Complete Allocations Study</a>

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**Exhibit 17**

**Description:** RF HAZARD ANALYSIS

THE 0.006 KW ERP WILL BE MOUNTED ATOP THE CHEMISTRY BUILDING ON AN EXISTING 42 FOOT MAST ON THE STATE UNIVERSITY OF NEW YORK, STONY BROOK CAMPUS. THE ANTENNA WILL MOUNTED 12.2 METERS ABOVE THE ROOF. AT HEAD HEIGHT THE OST 65 FORMULA FOR WORST CASE INDICATES THAT THE POWER DENSITY WILL BE 3.85 MICROWATTS PER SQUARE CENTIMETER. THIS IS 0.3853 PERCENT OF THE MAXIMUM FOR A CONTROLLED AREA.

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**Attachment 17**

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W297BM - Fill in for WUSB 60 dBu contour comparison  
State University Of New York

Coverage Study - GLOBE 30 Sec  
12-22-2016



Doug Vernier, Telecommunications Consultants  
 401 Main St., Ste 213, Cedar Falls, IA 50613

w297BM Contour-to-Contour Full Allocations Study

State University Of New York

REFERENCE  
 40 54 58.6 N.  
 73 07 28.3 W.

CH# 297D - 107.3 MHz, Pwr= 0.006 kw, HAAT= 69.0 M, COR= 90 M  
 Average Protected F(50-50)= 4.24 km  
 Omni-directional

DISPLAY DATES  
 DATA 12-22-16  
 SEARCH 12-22-16

CH CITY	CALL	TYPE STATE	ANT	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*OUT* (Overlap in km)
300B Westport	WEBE	LIC _C_ CT		349.9 169.9	28.71 BMLH19890329KD	41 10 14.0 73 11 05.0	50.000 117	5.9 147	64.7 Cumulus Licensing Llc	-36.3*<*
297D Stony Brook	w297BM	CP _C_ NY		143.8 323.8	1.56 BNPFT20130828AEJ	40 54 17.6 73 06 48.6	0.006 151	22.6 172	6.7 State University Of New Yo	-16.8*
298B New York	WBL5	LIC _CN NY		255.8 75.3	74.84 BLH19940204KN	40 44 54.0 73 59 10.0	4.200 415	73.9 429	62.4 wbls-wlib License Llc	3.8
296D Hauppauge	w243DM	CP DH_ NY		202.2 22.1	19.86 BPFT20160812AAX	40 45 03.0 73 12 49.0	0.035	12.4 158	8.8 Centro Cristiano De Vida E	5.5
294B New York	WLTW	LIC _CN NY		255.8 75.3	74.84 BLH19940203KA	40 44 54.0 73 59 10.0	6.000 415	4.6 429	66.0 Amfm Radio Licenses, L.l.c	8.5
295D Medford	w295CK	CP DC_ NY		140.2 320.3	17.40 BMPFT20160728ABK	40 47 45.0 72 59 32.0	0.250	1.1 67	7.1 Cantico Nuevo Ministries,	10.1
296A Hampton Bays	WLIR-FM	LIC ZCX NY		95.3 275.6	36.45 BLH20070719AEB	40 53 07.0 72 41 33.6	4.100 121	23.0 134	15.2 Livingstone Broadcasting,	15.5
296A Briarcliff Manor	WXPk	LIC ZCN NY		287.9 107.4	60.11 BLH19980521KA	41 04 49.0 73 48 26.0	1.900 180	40.7 264	27.0 6 Johnson Road Licenses, I	26.0
297D Danbury	w297AN	LIC DC_ CT		332.2 152.0	57.60 BLFT20140922ACK	41 22 27.0 73 26 47.0	0.099	42.2 302	12.6 The Berkshire Broadcasting	29.7
297D Danbury	w297AN	CP DC_ CT		332.2 152.0	57.60 BPFT20160509AAW	41 22 27.0 73 26 47.0	0.099	42.2 302	12.6 The Berkshire Broadcasting	29.7
295B Hartford	WCCC	LIC _C_ CT		15.5 195.7	101.60 BMLED20140930ACT	41 47 48.0 72 47 52.0	23.000 221	5.9 310	65.8 Educational Media Foundati	34.2
296D New Haven	w296AO	LIC DH_ CT		20.8 200.9	46.03 BLFT20141030ABR	41 18 12.0 72 55 45.0	0.003	5.9 106	4.1 St. Thomas Seminary	35.1
298L1 New Haven	WNHA-LP	CP ____ CT		29.7 209.9	51.29 BNPL20131104AAG	41 19 00.0 72 49 13.0	0.030 54	93	Alma Radio Inc.	37.6

Terrain database is GLOBE 30 Sec , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM  
 In & Out distances between contours are shown at closest points. Reference zone= East Zone, Co to 3rd adjacent.  
 All separation margins (if shown) include rounding.  
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)  
 Incoming contour overlap is ignored.  
 "\*"affixed to 'IN' or 'OUT' values = site inside restricted contour.  
 < \*\* Protected using U/D. Please see the attachments

## HOW TO READ THE FM COMPUTER PRINT-OUT

### Translator Reference Station

The computer printout should be self-explanatory for the most part. The parameters of the station being checked, (reference station) are printed in the heading. The 60 dBu protected contour is predicted from the Commission's F(50-50) table. Contour distances are in kilometers and are predicted using the Commission's TVFMINT FORTRAN subroutine. When interference contour distances are less than 16 kilometers the F(50-50) tables are used. If signal contour distances are less than 1.6 km the free-space equation is used.

All distances are derived by the method detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90. The column labeled "\* OUT \*" shows the greatest distance in kilometers of overlap (or smallest distance of clearance) between the reference station's interference contour and the database station's protected contour. Negative distance figures in this column indicate outgoing contour overlap. Since translators are able to receive interference there is no "In" or incoming column in this report.

Listed antenna heights and power are the specific antenna heights and power from the FCC database.

Under the "AZI" column, the first row of numbers indicate the True North azimuths from the reference station toward the database stations, while the numbers in the second row indicate the reverse bearings from the database stations to the reference station. Bearings are calculated using spherical trigonometry.

The columns labeled "INT" and "PRO" contain the distance in kilometers of the appropriate interference contour and the protected contour of a data base station.

For I.F. relationships the minimum spacings the "OUT" columns change its significance. The letter "R" stands for the minimum **required** distance in kilometers, while the letter "M" in the next column displays the **available clear space** separation in kilometers. Minimum separation distances when displayed are taken from Sec 73.207 of the rules as amended. Canadian and Mexican separation distances, U/D ratios and protected contour values are from the US/Mexican Working Agreement and the US/Canada Working Agreement".

The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" if the facility is directional. "Z" indicates a 73.215 directional. An "N" indicates it is a 73.215 station that operates with an omni-directional antenna. The fifth letter will be an E, H or V depending on the type of antenna polarization. The sixth letter will be a "Y" if the antenna uses beam tilt or an "X" if the commission is not sure, otherwise it will be an "N" or left blank.

W297BM.C Stony Brook, NY  
 74.1204(d) Showing  
 Translator or LPFM Maximum Licensed ERP = 0.006  
 Translator or LPFM Antenna Height AG = 50 Meters  
 W297BM.C Antenna Model = SHPX1F

Protected Station's Contour = 72.15022 dBu  
 Translator's or LPFM's full Interference contour 112.15022

Review Azimuth = 0 Degrees True  
 Relative Field on the horizon at Review Azimuth = 1.000  
 Translator/LPFM ERP on the horizon at Review Azimuth = 0.006 kw  
 Distance between stations = 28.7 km  
 Protected Station= WEBE, 50 kw, 147 M Meters COR AMSL

Depression Angle From Horizon(Deg)	Vertical Relative Field	Horizontal Relative Field	ERP (kw)	Dist to IX Contour Along Dep. Angle(m)	Dist to IX Contour From Tower Base(m)	Height IX Above Ground (m)
00.00	1.0	1.0	0.0060	042.4194	042.4194	050.000
05.00	0.993	1.0	0.0059	042.1225	041.9622	046.329
10.00	0.974	1.0	0.0057	041.3165	040.6888	042.825
15.00	0.941	1.0	0.0053	039.9167	038.5565	039.669
20.00	0.897	1.0	0.0048	038.0502	035.7555	036.986
25.00	0.843	1.0	0.0043	035.7596	032.4092	034.887
30.00	0.78	1.0	0.0037	033.0871	028.6543	033.456
35.00	0.709	1.0	0.0030	030.0754	024.6363	032.749
40.00	0.633	1.0	0.0024	026.8515	020.5694	032.740
45.00	0.554	1.0	0.0018	023.5004	016.6173	033.383
50.00	0.473	1.0	0.0013	020.0644	012.8971	034.630
55.00	0.394	1.0	0.0009	016.7132	009.5863	036.309
60.00	0.317	1.0	0.0006	013.4470	006.7235	038.355
65.00	0.245	1.0	0.0004	010.3928	004.3922	040.581
70.00	0.181	1.0	0.0002	007.6779	002.6260	042.785
75.00	0.124	1.0	0.0001	005.2600	001.3614	044.919
80.00	0.077	1.0	0.0000	003.2663	000.5672	046.783
85.00	0.041	1.0	0.0000	001.7392	000.1516	048.267
90.00	0.016	1.0	0.0000	000.6787	000.0000	049.321

W297BM.C Stony Brook, NY  
 74.1204(d) Showing  
 Translator or LPFM Maximum Licensed ERP = 0.006  
 Translator or LPFM Antenna Height AG = 12.2 Meters  
 W297BM.C Antenna Model = SHPX1F

Protected Station's Contour = 72.15022 dBu  
 Translator's or LPFM's full Interference contour 112.15022

Review Azimuth = 0 Degrees True  
 Relative Field on the horizon at Review Azimuth = 1.000  
 Translator/LPFM ERP on the horizon at Review Azimuth = 0.006 kw  
 Distance between stations = 28.7 km  
 Protected Station= WEBE, 50 kw, 147 M Meters COR AMSL

Depression Angle From Horizon(Deg)	Vertical Relative Field	Horizontal Relative Field	ERP (kw)	Dist to IX Contour Along Dep. Angle(m)	Dist to IX Contour From Tower Base(m)	Height IX Above ROOF (m)
00.00	1.0	1.0	0.0060	042.4194	042.4194	012.200
05.00	0.993	1.0	0.0059	042.1225	041.9622	008.529
10.00	0.974	1.0	0.0057	041.3165	040.6888	005.025
15.00	0.941	1.0	0.0053	039.9167	038.5565	001.869
20.00	0.897	1.0	0.0048	038.0502	035.7555	-000.814
25.00	0.843	1.0	0.0043	035.7596	032.4092	-002.913
30.00	0.78	1.0	0.0037	033.0871	028.6543	-004.344
35.00	0.709	1.0	0.0030	030.0754	024.6363	-005.051
40.00	0.633	1.0	0.0024	026.8515	020.5694	-005.060
45.00	0.554	1.0	0.0018	023.5004	016.6173	-004.417
50.00	0.473	1.0	0.0013	020.0644	012.8971	-003.170
55.00	0.394	1.0	0.0009	016.7132	009.5863	-001.491
60.00	0.317	1.0	0.0006	013.4470	006.7235	000.555
65.00	0.245	1.0	0.0004	010.3928	004.3922	002.781
70.00	0.181	1.0	0.0002	007.6779	002.6260	004.985
75.00	0.124	1.0	0.0001	005.2600	001.3614	007.119
80.00	0.077	1.0	0.0000	003.2663	000.5672	008.983
85.00	0.041	1.0	0.0000	001.7392	000.1516	010.467
90.00	0.016	1.0	0.0000	000.6787	000.0000	011.521

Interference area enters the machine room atop the building. No occupants at this level.

W297BM vs WBL5 Contour-to-Contour Map  
State University Of New York

FMCommander Single Allocation Study - 12-22-2016 - GLOBE 30 Sec  
W297BM.C's Overlaps (In= -3.56 km, Out= 3.82 km)

W297BM.C CH 297 D  
Lat= 40 54 58.6, Lng= 73 07 28.3  
0.006 kW 69 m HAAT, 90 m COR  
Prot.= 60 dBu, Intef.= 48 dBu

WBL5 CH 298 B BLH19940204KN  
Lat= 40 44 54.0, Lng= 73 59 10.0  
4.2 kW 415 m HAAT, 429 m COR  
Prot.= 54 dBu, Intef.= 54 dBu



12-22-2016

Terrain Data: GLOBE 30 Sec

FMOver Analysis

WBL5 BLH19940204KN

W297BM.C

Channel = 298B

Max ERP = 4.2 kW

RCAMSL = 429 m

N. Lat. 40 44 54.0

W. Lng. 73 59 10.0

Protected

54 dBu

Channel = 297D

Max ERP = 0.006 kW

RCAMSL = 90 m

N. Lat. 40 54 58.6

W. Lng. 73 07 28.3

Interfering

48 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
015.0	004.2000	0401.6	061.3	306.0	000.0060	0089.9	069.4	14.33	
016.0	004.2000	0405.6	061.6	306.5	000.0060	0089.9	068.4	14.59	
017.0	004.2000	0406.4	061.6	306.8	000.0060	0089.9	067.4	14.88	
018.0	004.2000	0404.5	061.5	307.0	000.0060	0090.0	066.4	15.19	
019.0	004.2000	0401.9	061.3	307.2	000.0060	0090.0	065.3	15.50	
020.0	004.2000	0398.9	061.2	307.3	000.0060	0090.0	064.2	15.82	
021.0	004.2000	0395.4	061.0	307.4	000.0060	0090.0	063.2	16.15	
022.0	004.2000	0392.2	060.8	307.5	000.0060	0090.0	062.1	16.49	
023.0	004.2000	0391.5	060.7	307.7	000.0060	0090.0	061.0	16.83	
024.0	004.2000	0393.4	060.8	308.1	000.0060	0090.0	060.0	17.17	
025.0	004.2000	0396.9	061.0	308.5	000.0060	0090.0	059.1	17.51	
026.0	004.2000	0401.1	061.3	309.0	000.0060	0090.0	058.1	17.86	
027.0	004.2000	0404.4	061.5	309.4	000.0060	0090.0	057.1	18.22	
028.0	004.2000	0405.4	061.6	309.6	000.0060	0090.0	056.0	18.59	
029.0	004.2000	0404.9	061.5	309.8	000.0060	0089.9	055.0	18.98	
030.0	004.2000	0404.8	061.5	310.0	000.0060	0089.9	053.9	19.37	
031.0	004.2000	0405.6	061.6	310.2	000.0060	0089.9	052.8	19.76	
032.0	004.2000	0406.6	061.6	310.5	000.0060	0089.9	051.8	20.15	
033.0	004.2000	0407.8	061.7	310.7	000.0060	0089.9	050.7	20.54	
034.0	004.2000	0409.4	061.8	311.0	000.0060	0089.9	049.7	20.93	
035.0	004.2000	0411.1	061.9	311.2	000.0060	0089.9	048.6	21.31	
036.0	004.2000	0412.4	062.0	311.4	000.0060	0089.9	047.5	21.70	
037.0	004.2000	0413.0	062.0	311.6	000.0060	0089.9	046.5	22.09	
038.0	004.2000	0412.8	062.0	311.6	000.0060	0089.9	045.4	22.50	
039.0	004.2000	0412.1	061.9	311.6	000.0060	0089.9	044.3	22.91	
040.0	004.2000	0411.5	061.9	311.6	000.0060	0089.9	043.2	23.34	
041.0	004.2000	0411.7	061.9	311.7	000.0060	0089.9	042.1	23.76	
042.0	004.2000	0412.6	062.0	311.7	000.0060	0089.9	041.1	24.20	
043.0	004.2000	0413.7	062.0	311.8	000.0060	0089.9	040.0	24.65	
044.0	004.2000	0414.8	062.1	311.8	000.0060	0089.9	038.9	25.10	
045.0	004.2000	0415.6	062.2	311.8	000.0060	0089.9	037.8	25.57	
046.0	004.2000	0416.4	062.2	311.7	000.0060	0089.9	036.7	26.04	
047.0	004.2000	0417.0	062.2	311.6	000.0060	0089.9	035.6	26.52	
048.0	004.2000	0417.9	062.3	311.5	000.0060	0089.9	034.6	27.01	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
049.0	004.2000	0418.9	062.3	311.4	000.0060	0089.9	033.5	27.50
050.0	004.2000	0419.7	062.4	311.2	000.0060	0089.9	032.4	28.01
051.0	004.2000	0420.3	062.4	310.9	000.0060	0089.9	031.3	28.53
052.0	004.2000	0420.7	062.5	310.5	000.0060	0089.9	030.2	29.10
053.0	004.2000	0420.8	062.5	310.1	000.0060	0089.9	029.2	29.70
054.0	004.2000	0420.7	062.5	309.5	000.0060	0090.0	028.1	30.33
055.0	004.2000	0420.5	062.4	308.9	000.0060	0090.0	027.1	30.99
056.0	004.2000	0420.4	062.4	308.2	000.0060	0090.0	026.0	31.67
057.0	004.2000	0420.6	062.4	307.4	000.0060	0090.0	025.0	32.39
058.0	004.2000	0421.0	062.5	306.5	000.0060	0089.9	024.0	33.12
059.0	004.2000	0421.6	062.5	305.6	000.0060	0089.9	023.0	33.87
060.0	004.2000	0422.2	062.5	304.5	000.0060	0089.9	022.0	34.64
061.0	004.2000	0422.7	062.6	303.2	000.0060	0089.9	021.0	35.40
062.0	004.2000	0422.9	062.6	301.7	000.0060	0089.9	020.0	36.16
063.0	004.2000	0423.0	062.6	300.0	000.0060	0089.9	019.1	36.92
064.0	004.2000	0423.1	062.6	298.1	000.0060	0089.9	018.2	37.66
065.0	004.2000	0423.3	062.6	296.0	000.0060	0090.0	017.3	38.38
066.0	004.2000	0423.4	062.6	293.5	000.0060	0090.0	016.5	39.08
067.0	004.2000	0423.3	062.6	290.8	000.0060	0090.0	015.7	39.74
068.0	004.2000	0422.7	062.6	287.6	000.0060	0089.9	015.0	40.34
069.0	004.2000	0421.7	062.5	284.1	000.0060	0089.7	014.4	40.83
070.0	004.2000	0420.7	062.5	280.2	000.0060	0089.0	013.9	41.41
071.0	004.2000	0419.8	062.4	276.1	000.0060	0087.1	013.4	41.80
072.0	004.2000	0419.3	062.4	271.6	000.0060	0082.1	013.1	41.80
073.0	004.2000	0419.1	062.4	267.0	000.0060	0074.7	012.8	41.41
074.0	004.2000	0419.2	062.4	262.2	000.0060	0071.2	012.6	41.31
075.0	004.2000	0419.4	062.4	257.2	000.0060	0061.6	012.5	40.31
076.0	004.2000	0419.5	062.4	252.2	000.0060	0053.9	012.5	39.16
077.0	004.2000	0419.3	062.4	247.3	000.0060	0057.4	012.6	39.47
078.0	004.2000	0418.9	062.3	242.6	000.0060	0055.5	012.9	38.80
079.0	004.2000	0418.5	062.3	238.1	000.0060	0055.1	013.3	38.22
080.0	004.2000	0418.0	062.3	233.9	000.0060	0059.4	013.8	38.22
081.0	004.2000	0417.6	062.3	230.1	000.0060	0059.2	014.3	37.49
082.0	004.2000	0417.1	062.2	226.6	000.0060	0061.5	014.9	37.05
083.0	004.2000	0416.6	062.2	223.5	000.0060	0061.1	015.6	36.61
084.0	004.2000	0416.1	062.2	220.7	000.0060	0060.5	016.4	35.87
085.0	004.2000	0416.1	062.2	218.1	000.0060	0059.2	017.2	35.03
086.0	004.2000	0416.2	062.2	215.7	000.0060	0059.4	018.0	34.36
087.0	004.2000	0416.5	062.2	213.6	000.0060	0059.7	018.8	33.68
088.0	004.2000	0417.0	062.2	211.7	000.0060	0059.0	019.7	32.84
089.0	004.2000	0417.5	062.3	210.0	000.0060	0057.9	020.6	31.94
090.0	004.2000	0418.0	062.3	208.5	000.0060	0057.2	021.5	31.08
091.0	004.2000	0418.5	062.3	207.2	000.0060	0056.8	022.5	30.27
092.0	004.2000	0418.2	062.3	206.1	000.0060	0056.6	023.5	29.48
093.0	004.2000	0417.8	062.3	205.1	000.0060	0056.5	024.5	28.71
094.0	004.2000	0417.1	062.2	204.3	000.0060	0056.4	025.5	27.98
095.0	004.2000	0416.3	062.2	203.7	000.0060	0056.5	026.6	27.27
096.0	004.2000	0415.4	062.1	203.1	000.0060	0056.6	027.6	26.61
097.0	004.2000	0414.6	062.1	202.6	000.0060	0056.7	028.7	25.99
098.0	004.2000	0413.6	062.0	202.2	000.0060	0056.9	029.8	25.42
099.0	004.2000	0413.2	062.0	201.8	000.0060	0057.1	030.8	24.91



Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
100.0	004.2000	0413.3	062.0	201.3	000.0060	0057.4	031.9	24.44
101.0	004.2000	0413.3	062.0	201.0	000.0060	0057.7	032.9	24.02
102.0	004.2000	0412.9	062.0	200.8	000.0060	0057.9	034.0	23.59
103.0	004.2000	0412.0	061.9	200.6	000.0060	0058.0	035.1	23.16
104.0	004.2000	0410.6	061.9	200.6	000.0060	0058.1	036.2	22.72
105.0	004.2000	0409.5	061.8	200.5	000.0060	0058.1	037.3	22.29
106.0	004.2000	0408.9	061.8	200.4	000.0060	0058.2	038.3	21.87
107.0	004.2000	0408.3	061.7	200.4	000.0060	0058.2	039.4	21.46
108.0	004.2000	0407.7	061.7	200.4	000.0060	0058.2	040.5	21.06
109.0	004.2000	0407.3	061.7	200.4	000.0060	0058.3	041.6	20.66
110.0	004.2000	0407.3	061.7	200.4	000.0060	0058.3	042.6	20.27
111.0	004.2000	0407.8	061.7	200.3	000.0060	0058.3	043.7	19.89
112.0	004.2000	0408.6	061.7	200.3	000.0060	0058.3	044.8	19.52
113.0	004.2000	0409.3	061.8	200.3	000.0060	0058.3	045.9	19.16
114.0	004.2000	0409.8	061.8	200.4	000.0060	0058.2	046.9	18.81
115.0	004.2000	0409.7	061.8	200.5	000.0060	0058.1	048.0	18.46
116.0	004.2000	0409.5	061.8	200.6	000.0060	0058.0	049.1	18.11
117.0	004.2000	0409.3	061.8	200.8	000.0060	0057.9	050.2	17.76
118.0	004.2000	0409.4	061.8	200.9	000.0060	0057.8	051.2	17.41
119.0	004.2000	0410.1	061.8	201.1	000.0060	0057.7	052.3	17.07
120.0	004.2000	0411.0	061.9	201.2	000.0060	0057.6	053.4	16.72
121.0	004.2000	0411.9	061.9	201.3	000.0060	0057.4	054.5	16.38
122.0	004.2000	0412.6	062.0	201.5	000.0060	0057.3	055.5	16.03
123.0	004.2000	0413.0	062.0	201.7	000.0060	0057.2	056.6	15.69
124.0	004.2000	0413.0	062.0	201.9	000.0060	0057.0	057.7	15.36
125.0	004.2000	0412.9	062.0	202.2	000.0060	0056.9	058.7	15.04
126.0	004.2000	0413.0	062.0	202.4	000.0060	0056.8	059.8	14.72
127.0	004.2000	0413.3	062.0	202.6	000.0060	0056.7	060.8	14.41
128.0	004.2000	0414.0	062.1	202.9	000.0060	0056.6	061.9	14.11
129.0	004.2000	0414.9	062.1	203.1	000.0060	0056.5	062.9	13.82
130.0	004.2000	0415.7	062.2	203.3	000.0060	0056.5	064.0	13.54
131.0	004.2000	0416.2	062.2	203.6	000.0060	0056.5	065.0	13.27
132.0	004.2000	0416.4	062.2	203.9	000.0060	0056.4	066.0	13.00
133.0	004.2000	0416.5	062.2	204.2	000.0060	0056.4	067.1	12.74
134.0	004.2000	0416.7	062.2	204.5	000.0060	0056.4	068.1	12.48

W297BM vs W243DM (CP) Contour-to-Contour Map  
State University Of New York

FMCommander Single Allocation Study - 12-22-2016 - GLOBE 30 Sec  
W297BM.C's Overlaps (In= 3.48 km, Out= 5.48 km)

W297BM.C CH 297 D  
Lat= 40 54 58.6, Lng= 73 07 28.3  
0.006 kW 69 m HAAT, 90 m COR  
Prot.= 60 dBu, Intef.= 54 dBu

W243DM CH 296 D DA BPFT20160812AAX  
Lat= 40 45 03.0, Lng= 73 12 49.0  
0.035 kW 0 m HAAT, 158 m COR  
Prot.= 60 dBu, Intef.= 54 dBu



12-22-2016

Terrain Data: GLOBE 30 Sec

FMOver Analysis

W243DM BPFT20160812AAX

W297BM.C

Channel = 296D  
 Max ERP = 0.035 kW  
 RCAMSL = 158 m  
 N. Lat. 40 45 03.0  
 W. Lng. 73 12 49.0  
 Protected  
 60 dBu

Channel = 297D  
 Max ERP = 0.006 kW  
 RCAMSL = 90 m  
 N. Lat. 40 54 58.6  
 W. Lng. 73 07 28.3  
 Interfering  
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
322.0	000.0005	0115.5	002.7	209.5	000.0060	0057.6	018.6	33.53	
323.0	000.0006	0115.1	003.0	210.1	000.0060	0057.9	018.5	33.68	
324.0	000.0008	0114.7	003.2	210.6	000.0060	0058.2	018.4	33.83	
325.0	000.0010	0114.4	003.3	211.0	000.0060	0058.5	018.3	33.98	
326.0	000.0012	0114.2	003.5	211.5	000.0060	0058.8	018.1	34.13	
327.0	000.0014	0114.1	003.7	211.9	000.0060	0059.1	018.0	34.28	
328.0	000.0016	0114.1	003.9	212.3	000.0060	0059.2	017.9	34.42	
329.0	000.0019	0114.2	004.0	212.6	000.0060	0059.4	017.7	34.55	
330.0	000.0022	0114.4	004.2	213.0	000.0060	0059.5	017.6	34.69	
331.0	000.0026	0114.5	004.4	213.5	000.0060	0059.7	017.4	34.84	
332.0	000.0030	0114.9	004.6	213.9	000.0060	0059.7	017.3	34.99	
333.0	000.0035	0115.5	004.8	214.4	000.0060	0059.7	017.1	35.13	
334.0	000.0040	0116.1	005.0	214.8	000.0060	0059.7	017.0	35.27	
335.0	000.0045	0117.2	005.2	215.3	000.0060	0059.6	016.8	35.41	
336.0	000.0051	0118.7	005.4	215.7	000.0060	0059.4	016.6	35.54	
337.0	000.0057	0120.1	005.6	216.1	000.0060	0059.3	016.4	35.68	
338.0	000.0064	0120.4	005.7	216.4	000.0060	0059.2	016.3	35.81	
339.0	000.0070	0120.2	005.9	216.6	000.0060	0059.1	016.1	35.94	
340.0	000.0077	0120.3	006.0	216.8	000.0060	0059.0	015.9	36.08	
341.0	000.0083	0121.0	006.1	217.0	000.0060	0059.0	015.8	36.21	
342.0	000.0089	0121.9	006.3	217.2	000.0060	0059.0	015.6	36.35	
343.0	000.0096	0122.7	006.4	217.3	000.0060	0059.0	015.4	36.50	
344.0	000.0102	0123.6	006.5	217.4	000.0060	0059.0	015.3	36.64	
345.0	000.0109	0124.6	006.6	217.6	000.0060	0059.0	015.1	36.79	
346.0	000.0116	0125.1	006.7	217.6	000.0060	0059.0	015.0	36.70	
347.0	000.0123	0125.1	006.8	217.6	000.0060	0059.0	014.8	36.88	
348.0	000.0130	0124.9	006.9	217.6	000.0060	0059.0	014.6	37.05	
349.0	000.0138	0125.2	007.0	217.6	000.0060	0059.0	014.5	37.24	
350.0	000.0146	0126.1	007.2	217.6	000.0060	0059.0	014.3	37.45	
351.0	000.0154	0127.3	007.3	217.6	000.0060	0059.0	014.1	37.67	
352.0	000.0162	0128.6	007.4	217.6	000.0060	0059.0	014.0	37.90	
353.0	000.0170	0130.0	007.5	217.6	000.0060	0059.0	013.8	38.13	
354.0	000.0179	0131.5	007.7	217.6	000.0060	0059.0	013.6	38.39	
355.0	000.0188	0133.3	007.8	217.6	000.0060	0059.0	013.4	38.66	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
356.0	000.0197	0134.4	007.9	217.5	000.0060	0059.0	013.2	38.91
357.0	000.0206	0134.8	008.0	217.4	000.0060	0059.0	013.0	39.14
358.0	000.0216	0134.2	008.1	217.1	000.0060	0059.0	012.9	39.36
359.0	000.0225	0133.7	008.2	216.8	000.0060	0059.0	012.7	39.58
000.0	000.0235	0133.1	008.3	216.5	000.0060	0059.1	012.6	39.80
001.0	000.0243	0134.0	008.4	216.2	000.0060	0059.2	012.4	40.05
002.0	000.0251	0135.3	008.5	216.0	000.0060	0059.3	012.3	40.32
003.0	000.0258	0136.4	008.6	215.6	000.0060	0059.4	012.1	40.59
004.0	000.0266	0136.0	008.6	215.2	000.0060	0059.6	012.0	40.81
005.0	000.0274	0135.4	008.7	214.7	000.0060	0059.7	011.9	41.00
006.0	000.0282	0134.3	008.7	214.1	000.0060	0059.7	011.8	41.16
007.0	000.0290	0132.9	008.7	213.4	000.0060	0059.7	011.7	41.28
008.0	000.0299	0131.5	008.7	212.8	000.0060	0059.5	011.6	41.38
009.0	000.0307	0131.1	008.8	212.2	000.0060	0059.2	011.5	41.52
010.0	000.0316	0129.7	008.8	211.5	000.0060	0058.8	011.4	41.58
011.0	000.0319	0128.2	008.8	210.7	000.0060	0058.3	011.4	41.55
012.0	000.0323	0127.0	008.8	210.0	000.0060	0057.9	011.4	41.54
013.0	000.0326	0126.5	008.8	209.3	000.0060	0057.5	011.3	41.56
014.0	000.0329	0126.6	008.8	208.5	000.0060	0057.2	011.2	41.63
015.0	000.0333	0126.8	008.8	207.8	000.0060	0056.9	011.2	41.70
016.0	000.0336	0126.7	008.8	207.1	000.0060	0056.8	011.1	41.75
017.0	000.0340	0125.9	008.8	206.3	000.0060	0056.6	011.1	41.77
018.0	000.0343	0125.3	008.8	205.5	000.0060	0056.5	011.1	41.79
019.0	000.0347	0125.2	008.8	204.7	000.0060	0056.5	011.0	41.84
020.0	000.0350	0125.2	008.9	203.9	000.0060	0056.4	011.0	41.90
021.0	000.0347	0125.4	008.9	203.1	000.0060	0056.5	011.0	41.90
022.0	000.0343	0125.8	008.8	202.3	000.0060	0056.8	011.0	41.93
023.0	000.0340	0126.3	008.8	201.5	000.0060	0057.3	011.0	42.00
024.0	000.0336	0127.1	008.8	200.7	000.0060	0058.0	011.0	42.08
025.0	000.0333	0127.7	008.8	199.9	000.0060	0058.7	011.0	42.16
026.0	000.0329	0128.3	008.8	199.1	000.0060	0059.3	011.1	42.22
027.0	000.0326	0128.8	008.8	198.3	000.0060	0059.9	011.1	42.27
028.0	000.0323	0129.2	008.8	197.5	000.0060	0060.6	011.1	42.29
029.0	000.0319	0129.3	008.8	196.8	000.0060	0061.2	011.2	42.28
030.0	000.0316	0129.2	008.8	196.1	000.0060	0061.7	011.2	42.26
031.0	000.0307	0129.3	008.7	195.4	000.0060	0062.1	011.3	42.15
032.0	000.0299	0129.5	008.7	194.7	000.0060	0062.4	011.4	42.03
033.0	000.0290	0129.8	008.6	194.1	000.0060	0062.7	011.5	41.91
034.0	000.0282	0130.3	008.6	193.5	000.0060	0062.9	011.6	41.79
035.0	000.0274	0130.9	008.5	192.9	000.0060	0063.2	011.7	41.68
036.0	000.0266	0131.6	008.5	192.3	000.0060	0063.6	011.8	41.56
037.0	000.0258	0132.1	008.4	191.7	000.0060	0063.8	011.9	41.44
038.0	000.0251	0132.5	008.4	191.2	000.0060	0064.1	012.0	41.29
039.0	000.0243	0132.7	008.3	190.7	000.0060	0064.2	012.1	41.13
040.0	000.0235	0132.9	008.3	190.3	000.0060	0064.4	012.3	40.96
041.0	000.0225	0133.0	008.2	189.9	000.0060	0064.5	012.4	40.75
042.0	000.0216	0133.1	008.1	189.6	000.0060	0064.5	012.6	40.53
043.0	000.0206	0133.1	008.0	189.3	000.0060	0064.6	012.7	40.31
044.0	000.0197	0132.7	007.9	189.0	000.0060	0064.6	012.9	40.07
045.0	000.0188	0132.0	007.8	188.8	000.0060	0064.6	013.1	39.83
046.0	000.0179	0131.3	007.7	188.6	000.0060	0064.5	013.2	39.59

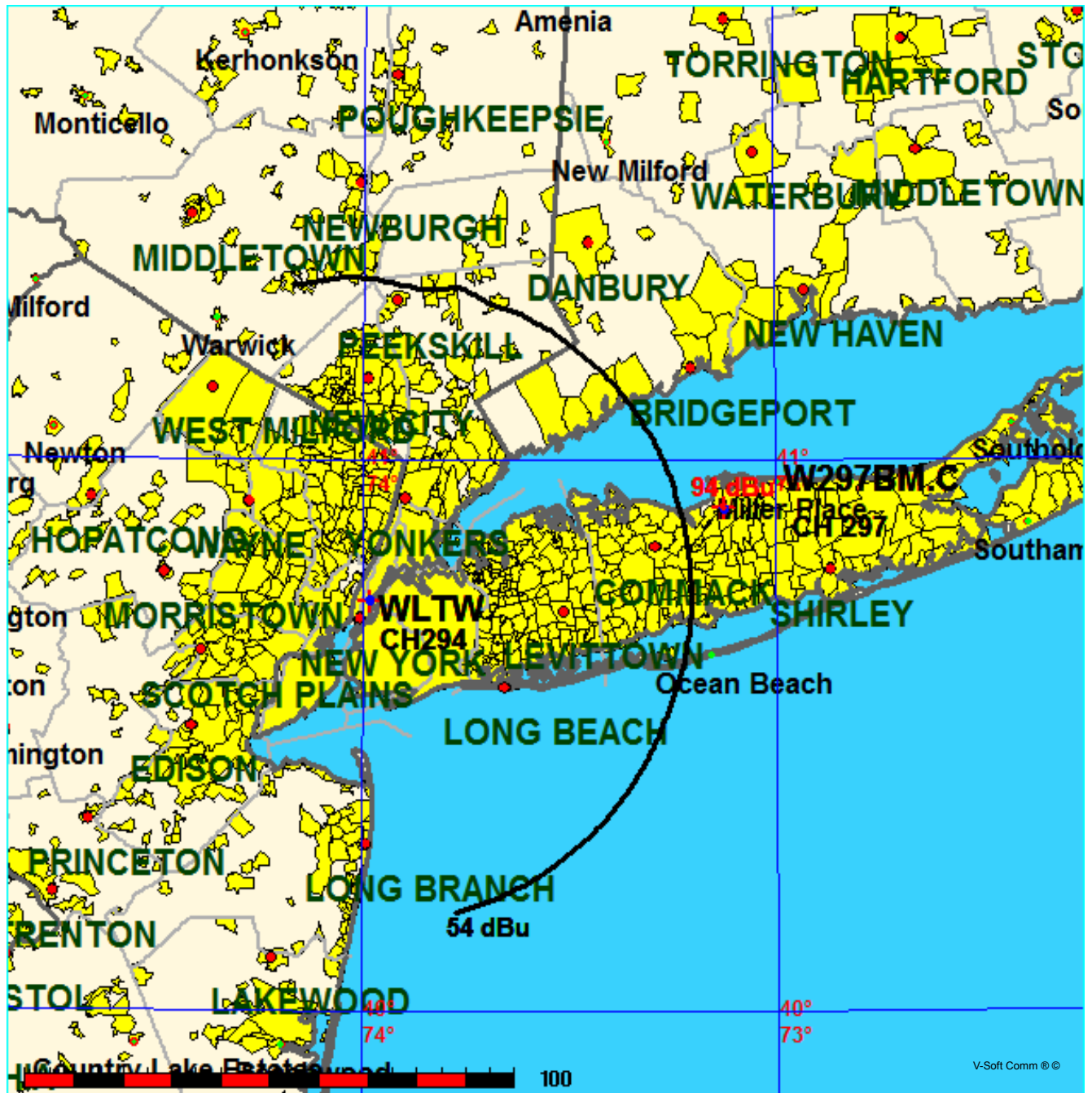
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)		Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
047.0	000.0170	0130.7	007.5		188.5	000.0060	0064.5	013.4	39.35
048.0	000.0162	0130.1	007.4		188.3	000.0060	0064.5	013.6	39.12
049.0	000.0154	0129.6	007.3		188.2	000.0060	0064.4	013.7	38.89
050.0	000.0146	0129.2	007.2		188.1	000.0060	0064.3	013.9	38.67
051.0	000.0138	0128.8	007.1		188.0	000.0060	0064.3	014.0	38.46
052.0	000.0130	0128.7	007.0		187.9	000.0060	0064.2	014.2	38.25
053.0	000.0123	0128.9	006.9		187.8	000.0060	0064.1	014.4	38.06
054.0	000.0116	0129.5	006.9		187.8	000.0060	0064.1	014.5	37.87
055.0	000.0109	0130.2	006.8		187.7	000.0060	0064.0	014.6	37.69
056.0	000.0102	0131.1	006.7		187.6	000.0060	0063.9	014.8	37.52
057.0	000.0096	0131.9	006.6		187.6	000.0060	0063.9	014.9	37.35
058.0	000.0089	0132.6	006.5		187.6	000.0060	0063.9	015.1	37.43
059.0	000.0083	0133.1	006.4		187.6	000.0060	0063.9	015.2	37.30
060.0	000.0077	0133.6	006.3		187.6	000.0060	0064.0	015.4	37.17
061.0	000.0070	0134.1	006.2		187.8	000.0060	0064.1	015.6	37.04
062.0	000.0064	0134.7	006.0		188.0	000.0060	0064.3	015.7	36.91
063.0	000.0057	0135.2	005.9		188.2	000.0060	0064.4	015.9	36.77
064.0	000.0051	0135.7	005.7		188.5	000.0060	0064.5	016.1	36.64
065.0	000.0045	0136.2	005.5		188.8	000.0060	0064.6	016.2	36.49
066.0	000.0040	0136.7	005.4		189.1	000.0060	0064.6	016.4	36.34
067.0	000.0035	0137.4	005.2		189.4	000.0060	0064.6	016.6	36.19
068.0	000.0030	0138.3	005.0		189.8	000.0060	0064.5	016.8	36.03
069.0	000.0026	0139.3	004.8		190.2	000.0060	0064.4	016.9	35.87
070.0	000.0022	0140.3	004.6		190.7	000.0060	0064.3	017.1	35.69
071.0	000.0019	0141.3	004.4		191.0	000.0060	0064.1	017.3	35.55
072.0	000.0016	0142.3	004.3		191.4	000.0060	0064.0	017.4	35.41
073.0	000.0014	0143.1	004.1		191.8	000.0060	0063.8	017.6	35.25
074.0	000.0012	0143.7	003.9		192.2	000.0060	0063.6	017.7	35.09
075.0	000.0010	0144.1	003.7		192.7	000.0060	0063.3	017.9	34.93
076.0	000.0008	0144.4	003.5		193.3	000.0060	0063.0	018.0	34.76
077.0	000.0006	0144.6	003.2		193.8	000.0060	0062.8	018.2	34.60
078.0	000.0005	0144.7	003.0		194.5	000.0060	0062.5	018.4	34.43
079.0	000.0004	0144.9	002.7		195.1	000.0060	0062.3	018.5	34.26
080.0	000.0003	0145.0	002.4		195.9	000.0060	0061.9	018.7	34.07
081.0	000.0002	0145.3	002.3		196.1	000.0060	0061.7	018.8	33.97

W297BM vs WLTW Contour-to-Contour Map  
State University Of New York

FMCommander Single Allocation Study - 12-22-2016 - GLOBE 30 Sec  
W297BM.C's Overlaps (In= 65.83 km, Out= 8.48 km)

W297BM.C CH 297 D  
Lat= 40 54 58.6, Lng= 73 07 28.3  
0.006 kW 69 m HAAT, 90 m COR  
Prot.= 60 dBu, Intef.= 94 dBu

WLTW CH 294 B BLH19940203KA  
Lat= 40 44 54.0, Lng= 73 59 10.0  
6.0 kW 415 m HAAT, 429 m COR  
Prot.= 54 dBu, Intef.= 100 dBu



12-22-2016

Terrain Data: GLOBE 30 Sec

FMOver Analysis

WLTW BLH19940203KA

W297BM.C

Channel = 294B

Max ERP = 6 kW

RCAMSL = 429 m

N. Lat. 40 44 54.0

W. Lng. 73 59 10.0

Protected

54 dBu

Channel = 297D

Max ERP = 0.006 kW

RCAMSL = 90 m

N. Lat. 40 54 58.6

W. Lng. 73 07 28.3

Interfering

94 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
015.0	006.0000	0401.6	064.9	308.7	000.0060	0090.0	070.7	13.95	
016.0	006.0000	0405.6	065.2	309.3	000.0060	0090.0	069.7	14.22	
017.0	006.0000	0406.4	065.2	309.7	000.0060	0090.0	068.7	14.51	
018.0	006.0000	0404.5	065.1	309.9	000.0060	0089.9	067.6	14.83	
019.0	006.0000	0401.9	064.9	310.1	000.0060	0089.9	066.5	15.16	
020.0	006.0000	0398.9	064.8	310.3	000.0060	0089.9	065.4	15.49	
021.0	006.0000	0395.4	064.5	310.5	000.0060	0089.9	064.2	15.83	
022.0	006.0000	0392.2	064.3	310.6	000.0060	0089.9	063.1	16.17	
023.0	006.0000	0391.5	064.3	310.9	000.0060	0089.9	062.0	16.52	
024.0	006.0000	0393.4	064.4	311.3	000.0060	0089.9	061.0	16.86	
025.0	006.0000	0396.9	064.6	311.8	000.0060	0089.9	060.0	17.20	
026.0	006.0000	0401.1	064.9	312.4	000.0060	0089.9	058.9	17.55	
027.0	006.0000	0404.4	065.1	312.9	000.0060	0089.9	057.9	17.91	
028.0	006.0000	0405.4	065.2	313.2	000.0060	0089.9	056.8	18.30	
029.0	006.0000	0404.9	065.1	313.5	000.0060	0089.9	055.7	18.70	
030.0	006.0000	0404.8	065.1	313.7	000.0060	0089.9	054.6	19.11	
031.0	006.0000	0405.6	065.2	314.1	000.0060	0089.9	053.5	19.51	
032.0	006.0000	0406.6	065.2	314.4	000.0060	0089.9	052.4	19.92	
033.0	006.0000	0407.8	065.3	314.7	000.0060	0089.9	051.3	20.32	
034.0	006.0000	0409.4	065.4	315.1	000.0060	0089.9	050.2	20.73	
035.0	006.0000	0411.1	065.5	315.4	000.0060	0089.9	049.1	21.13	
036.0	006.0000	0412.4	065.6	315.7	000.0060	0089.9	048.0	21.54	
037.0	006.0000	0413.0	065.6	316.0	000.0060	0089.9	046.9	21.95	
038.0	006.0000	0412.8	065.6	316.2	000.0060	0089.9	045.7	22.37	
039.0	006.0000	0412.1	065.6	316.3	000.0060	0089.9	044.6	22.80	
040.0	006.0000	0411.5	065.5	316.4	000.0060	0089.9	043.4	23.25	
041.0	006.0000	0411.7	065.5	316.6	000.0060	0089.9	042.3	23.70	
042.0	006.0000	0412.6	065.6	316.8	000.0060	0089.9	041.2	24.16	
043.0	006.0000	0413.7	065.7	317.0	000.0060	0089.9	040.0	24.62	
044.0	006.0000	0414.8	065.7	317.2	000.0060	0089.9	038.9	25.10	
045.0	006.0000	0415.6	065.8	317.3	000.0060	0089.9	037.7	25.59	
046.0	006.0000	0416.4	065.8	317.4	000.0060	0089.9	036.6	26.09	
047.0	006.0000	0417.0	065.9	317.5	000.0060	0089.9	035.4	26.60	
048.0	006.0000	0417.9	065.9	317.6	000.0060	0089.9	034.3	27.12	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
049.0	006.0000	0418.9	066.0	317.6	000.0060	0089.9	033.1	27.65
050.0	006.0000	0419.7	066.1	317.6	000.0060	0089.9	032.0	28.19
051.0	006.0000	0420.3	066.1	317.6	000.0060	0089.9	030.8	28.77
052.0	006.0000	0420.7	066.1	317.5	000.0060	0089.9	029.7	29.40
053.0	006.0000	0420.8	066.1	317.2	000.0060	0089.9	028.5	30.07
054.0	006.0000	0420.7	066.1	316.9	000.0060	0089.9	027.4	30.78
055.0	006.0000	0420.5	066.1	316.6	000.0060	0089.9	026.3	31.52
056.0	006.0000	0420.4	066.1	316.1	000.0060	0089.9	025.1	32.30
057.0	006.0000	0420.6	066.1	315.6	000.0060	0089.9	024.0	33.11
058.0	006.0000	0421.0	066.1	315.1	000.0060	0089.9	022.9	33.95
059.0	006.0000	0421.6	066.2	314.4	000.0060	0089.9	021.7	34.81
060.0	006.0000	0422.2	066.2	313.7	000.0060	0089.9	020.6	35.69
061.0	006.0000	0422.7	066.2	312.7	000.0060	0089.9	019.5	36.58
062.0	006.0000	0422.9	066.3	311.6	000.0060	0089.9	018.4	37.48
063.0	006.0000	0423.0	066.3	310.2	000.0060	0089.9	017.3	38.37
064.0	006.0000	0423.1	066.3	308.6	000.0060	0090.0	016.3	39.27
065.0	006.0000	0423.3	066.3	306.7	000.0060	0089.9	015.2	40.15
066.0	006.0000	0423.4	066.3	304.4	000.0060	0089.9	014.2	41.07
067.0	006.0000	0423.3	066.3	301.7	000.0060	0089.9	013.3	42.29
068.0	006.0000	0422.7	066.2	298.4	000.0060	0089.9	012.4	43.53
069.0	006.0000	0421.7	066.2	294.4	000.0060	0090.0	011.6	44.76
070.0	006.0000	0420.7	066.1	289.8	000.0060	0090.0	010.9	45.93
071.0	006.0000	0419.8	066.1	284.6	000.0060	0089.8	010.2	47.00
072.0	006.0000	0419.3	066.0	278.7	000.0060	0088.7	009.7	47.86
073.0	006.0000	0419.1	066.0	272.2	000.0060	0083.0	009.3	48.07
074.0	006.0000	0419.2	066.0	265.2	000.0060	0073.0	009.0	47.53
075.0	006.0000	0419.4	066.0	257.9	000.0060	0063.3	008.8	46.64
076.0	006.0000	0419.5	066.0	250.4	000.0060	0055.4	008.9	45.50
077.0	006.0000	0419.3	066.0	243.2	000.0060	0055.6	009.1	45.11
078.0	006.0000	0418.9	066.0	236.4	000.0060	0056.5	009.5	44.56
079.0	006.0000	0418.5	066.0	230.4	000.0060	0059.2	010.0	44.03
080.0	006.0000	0418.0	065.9	225.1	000.0060	0061.7	010.6	43.26
081.0	006.0000	0417.6	065.9	220.4	000.0060	0060.4	011.4	41.88
082.0	006.0000	0417.1	065.9	216.5	000.0060	0059.1	012.2	40.43
083.0	006.0000	0416.6	065.9	213.1	000.0060	0059.6	013.1	39.20
084.0	006.0000	0416.1	065.8	210.2	000.0060	0058.0	014.0	37.74
085.0	006.0000	0416.1	065.8	207.7	000.0060	0056.9	014.9	36.42
086.0	006.0000	0416.2	065.8	205.5	000.0060	0056.5	015.9	35.72
087.0	006.0000	0416.5	065.8	203.6	000.0060	0056.5	016.9	34.83
088.0	006.0000	0417.0	065.9	201.9	000.0060	0057.0	018.0	34.02
089.0	006.0000	0417.5	065.9	200.5	000.0060	0058.1	019.0	33.29
090.0	006.0000	0418.0	065.9	199.3	000.0060	0059.2	020.1	32.55
091.0	006.0000	0418.5	066.0	198.2	000.0060	0060.0	021.2	31.77
092.0	006.0000	0418.2	066.0	197.4	000.0060	0060.6	022.3	30.97
093.0	006.0000	0417.8	065.9	196.8	000.0060	0061.2	023.4	30.18
094.0	006.0000	0417.1	065.9	196.3	000.0060	0061.5	024.5	29.39
095.0	006.0000	0416.3	065.8	195.9	000.0060	0061.8	025.7	28.62
096.0	006.0000	0415.4	065.8	195.6	000.0060	0062.0	026.8	27.88
097.0	006.0000	0414.6	065.7	195.4	000.0060	0062.1	028.0	27.17
098.0	006.0000	0413.6	065.7	195.2	000.0060	0062.2	029.1	26.50
099.0	006.0000	0413.2	065.6	195.0	000.0060	0062.3	030.3	25.89



Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
100.0	006.0000	0413.3	065.6	194.8	000.0060	0062.4	031.4	25.33
101.0	006.0000	0413.3	065.6	194.7	000.0060	0062.5	032.5	24.82
102.0	006.0000	0412.9	065.6	194.6	000.0060	0062.5	033.7	24.32
103.0	006.0000	0412.0	065.6	194.7	000.0060	0062.5	034.8	23.83
104.0	006.0000	0410.6	065.5	194.8	000.0060	0062.4	036.0	23.34
105.0	006.0000	0409.5	065.4	194.9	000.0060	0062.4	037.1	22.87
106.0	006.0000	0408.9	065.4	195.0	000.0060	0062.3	038.3	22.41
107.0	006.0000	0408.3	065.3	195.1	000.0060	0062.3	039.4	21.95
108.0	006.0000	0407.7	065.3	195.3	000.0060	0062.2	040.5	21.51
109.0	006.0000	0407.3	065.3	195.4	000.0060	0062.1	041.7	21.07
110.0	006.0000	0407.3	065.3	195.5	000.0060	0062.1	042.8	20.65
111.0	006.0000	0407.8	065.3	195.6	000.0060	0062.0	043.9	20.24
112.0	006.0000	0408.6	065.4	195.7	000.0060	0061.9	045.1	19.84
113.0	006.0000	0409.3	065.4	195.8	000.0060	0061.9	046.2	19.44
114.0	006.0000	0409.8	065.4	196.0	000.0060	0061.8	047.3	19.06
115.0	006.0000	0409.7	065.4	196.2	000.0060	0061.6	048.5	18.69
116.0	006.0000	0409.5	065.4	196.5	000.0060	0061.4	049.6	18.31
117.0	006.0000	0409.3	065.4	196.7	000.0060	0061.2	050.7	17.93
118.0	006.0000	0409.4	065.4	197.0	000.0060	0061.0	051.8	17.56
119.0	006.0000	0410.1	065.4	197.2	000.0060	0060.8	053.0	17.18
120.0	006.0000	0411.0	065.5	197.4	000.0060	0060.7	054.1	16.80
121.0	006.0000	0411.9	065.6	197.6	000.0060	0060.5	055.2	16.43
122.0	006.0000	0412.6	065.6	197.9	000.0060	0060.3	056.3	16.06
123.0	006.0000	0413.0	065.6	198.1	000.0060	0060.1	057.5	15.70
124.0	006.0000	0413.0	065.6	198.4	000.0060	0059.9	058.6	15.35
125.0	006.0000	0412.9	065.6	198.8	000.0060	0059.6	059.7	15.00
126.0	006.0000	0413.0	065.6	199.1	000.0060	0059.3	060.7	14.66
127.0	006.0000	0413.3	065.6	199.4	000.0060	0059.1	061.8	14.32
128.0	006.0000	0414.0	065.7	199.7	000.0060	0058.8	062.9	14.00
129.0	006.0000	0414.9	065.7	200.0	000.0060	0058.6	064.0	13.69
130.0	006.0000	0415.7	065.8	200.3	000.0060	0058.3	065.1	13.38
131.0	006.0000	0416.2	065.8	200.6	000.0060	0058.0	066.2	13.08
132.0	006.0000	0416.4	065.8	201.0	000.0060	0057.7	067.3	12.78
133.0	006.0000	0416.5	065.8	201.3	000.0060	0057.4	068.4	12.49
134.0	006.0000	0416.7	065.9	201.7	000.0060	0057.2	069.4	12.20

W297BM vs W295CK (CP) Contour-to-Contour Map  
State University Of New York

FMCommander Single Allocation Study - 12-22-2016 - GLOBE 30 Sec  
W297BM.C's Overlaps (In= 12.52 km, Out= 10.15 km)

W297BM.C CH 297 D  
Lat= 40 54 58.6, Lng= 73 07 28.3  
0.006 kW 69 m HAAT, 90 m COR  
Prot.= 60 dBu, Intef.= 100 dBu

W295CK CH 295 D DA BMPFT20160728ABK  
Lat= 40 47 45.0, Lng= 72 59 32.0  
0.25 kW 0 m HAAT, 67 m COR  
Prot.= 60 dBu, Intef.= 100 dBu



12-22-2016

Terrain Data: GLOBE 30 Sec

FMOver Analysis

W295CK BMPFT20160728ABK

W297BM.C

Channel = 295D  
Max ERP = 0.25 kW  
RCAMSL = 67 m  
N. Lat. 40 47 45.0  
W. Lng. 72 59 32.0  
Protected  
60 dBu

Channel = 297D  
Max ERP = 0.006 kW  
RCAMSL = 90 m  
N. Lat. 40 54 58.6  
W. Lng. 73 07 28.3  
Interfering  
100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
260.0	000.1471	0050.7	008.1	167.9	000.0060	0055.4	015.1	36.24	
261.0	000.1509	0050.3	008.1	168.0	000.0060	0055.4	015.0	36.13	
262.0	000.1548	0049.7	008.1	167.9	000.0060	0055.4	014.9	36.29	
263.0	000.1587	0049.1	008.1	167.9	000.0060	0055.4	014.7	36.45	
264.0	000.1627	0048.4	008.1	167.8	000.0060	0055.4	014.6	36.61	
265.0	000.1667	0047.7	008.1	167.6	000.0060	0055.3	014.4	36.76	
266.0	000.1707	0046.9	008.1	167.5	000.0060	0055.3	014.3	36.92	
267.0	000.1748	0046.1	008.0	167.2	000.0060	0055.2	014.2	37.08	
268.0	000.1790	0045.1	008.0	167.0	000.0060	0055.1	014.0	37.23	
269.0	000.1832	0044.2	007.9	166.7	000.0060	0055.1	013.9	37.39	
270.0	000.1875	0043.2	007.9	166.4	000.0060	0055.1	013.8	37.54	
271.0	000.1933	0042.1	007.8	166.0	000.0060	0055.0	013.7	37.69	
272.0	000.1993	0040.9	007.8	165.6	000.0060	0054.9	013.5	37.83	
273.0	000.2053	0039.7	007.7	165.2	000.0060	0054.9	013.4	37.97	
274.0	000.2114	0038.6	007.7	164.8	000.0060	0054.8	013.3	38.11	
275.0	000.2176	0037.7	007.6	164.4	000.0060	0054.8	013.2	38.26	
276.0	000.2239	0036.7	007.6	164.0	000.0060	0054.8	013.1	38.41	
277.0	000.2303	0036.0	007.5	163.7	000.0060	0054.8	013.0	38.58	
278.0	000.2368	0036.3	007.6	163.8	000.0060	0054.8	012.8	38.80	
279.0	000.2433	0036.6	007.7	164.0	000.0060	0054.8	012.7	39.03	
280.0	000.2500	0037.3	007.9	164.3	000.0060	0054.8	012.5	39.29	
281.0	000.2500	0037.8	007.9	164.2	000.0060	0054.8	012.4	39.51	
282.0	000.2500	0037.8	007.9	163.9	000.0060	0054.8	012.2	39.70	
283.0	000.2500	0037.8	007.9	163.6	000.0060	0054.8	012.1	39.88	
284.0	000.2500	0037.7	007.9	163.2	000.0060	0054.8	012.0	40.06	
285.0	000.2500	0037.3	007.9	162.7	000.0060	0054.9	011.9	40.21	
286.0	000.2500	0036.9	007.8	162.1	000.0060	0054.9	011.8	40.35	
287.0	000.2500	0036.4	007.8	161.6	000.0060	0055.0	011.7	40.50	
288.0	000.2500	0036.0	007.7	161.0	000.0060	0055.0	011.6	40.64	
289.0	000.2500	0035.5	007.7	160.4	000.0060	0055.1	011.6	40.77	
290.0	000.2500	0034.9	007.6	159.7	000.0060	0055.3	011.5	40.89	
291.0	000.2500	0034.2	007.5	159.0	000.0060	0055.4	011.5	41.00	
292.0	000.2500	0033.5	007.4	158.3	000.0060	0055.7	011.4	41.10	
293.0	000.2500	0032.8	007.4	157.5	000.0060	0056.0	011.4	41.21	

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
294.0	000.2500	0032.1	007.3	156.8	000.0060	0056.3	011.3	41.33
295.0	000.2500	0031.5	007.2	156.1	000.0060	0056.6	011.3	41.44
296.0	000.2500	0031.0	007.2	155.5	000.0060	0056.9	011.3	41.54
297.0	000.2500	0030.6	007.1	154.9	000.0060	0057.0	011.2	41.65
298.0	000.2500	0030.4	007.1	154.3	000.0060	0057.1	011.2	41.75
299.0	000.2500	0030.4	007.1	153.8	000.0060	0057.1	011.1	41.87
300.0	000.2500	0030.4	007.1	153.2	000.0060	0057.0	011.0	41.98
301.0	000.2500	0030.7	007.2	152.8	000.0060	0056.9	010.9	42.12
302.0	000.2500	0031.2	007.2	152.3	000.0060	0056.8	010.8	42.28
303.0	000.2500	0031.7	007.3	151.9	000.0060	0056.6	010.7	42.43
304.0	000.2500	0032.0	007.3	151.4	000.0060	0056.5	010.6	42.56
305.0	000.2500	0032.0	007.3	150.8	000.0060	0056.3	010.6	42.62
306.0	000.2500	0031.7	007.3	150.1	000.0060	0056.0	010.5	42.63
307.0	000.2500	0031.1	007.2	149.3	000.0060	0055.6	010.5	42.56
308.0	000.2500	0030.4	007.1	148.5	000.0060	0055.1	010.6	42.44
309.0	000.2500	0029.5	007.1	147.8	000.0060	0054.6	010.6	42.36
310.0	000.2500	0028.8	007.1	147.2	000.0060	0054.1	010.5	42.34
311.0	000.2500	0028.1	007.1	146.5	000.0060	0053.6	010.5	42.32
312.0	000.2500	0027.3	007.1	145.9	000.0060	0053.1	010.4	42.29
313.0	000.2500	0026.4	007.1	145.2	000.0060	0052.6	010.4	42.25
314.0	000.2500	0025.5	007.1	144.5	000.0060	0052.1	010.4	42.20
315.0	000.2500	0024.4	007.1	143.9	000.0060	0051.6	010.4	42.15
316.0	000.2500	0023.4	007.1	143.2	000.0060	0051.1	010.4	42.09
317.0	000.2500	0022.6	007.1	142.5	000.0060	0050.6	010.3	42.03
318.0	000.2500	0022.2	007.1	141.8	000.0060	0050.2	010.3	41.96
319.0	000.2500	0022.1	007.1	141.1	000.0060	0049.7	010.3	41.89
320.0	000.2500	0022.2	007.1	140.5	000.0060	0049.4	010.3	41.83
321.0	000.2500	0022.4	007.1	139.8	000.0060	0049.0	010.3	41.75
322.0	000.2500	0022.3	007.1	139.1	000.0060	0048.6	010.3	41.68
323.0	000.2500	0022.1	007.1	138.4	000.0060	0048.1	010.3	41.57
324.0	000.2500	0021.8	007.1	137.7	000.0060	0047.6	010.3	41.44
325.0	000.2500	0021.5	007.1	137.0	000.0060	0046.9	010.4	41.29
326.0	000.2500	0021.1	007.1	136.4	000.0060	0046.3	010.4	41.13
327.0	000.2500	0020.9	007.1	135.7	000.0060	0045.8	010.4	40.99
328.0	000.2500	0020.8	007.1	135.0	000.0060	0045.5	010.4	40.87
329.0	000.2500	0020.6	007.1	134.4	000.0060	0045.3	010.5	40.78
330.0	000.2500	0020.3	007.1	133.7	000.0060	0045.1	010.5	40.70
331.0	000.2500	0020.3	007.1	133.1	000.0060	0044.9	010.5	40.60
332.0	000.2500	0020.4	007.1	132.4	000.0060	0044.8	010.6	40.50
333.0	000.2500	0020.3	007.1	131.8	000.0060	0044.5	010.6	40.38
334.0	000.2500	0020.1	007.1	131.2	000.0060	0044.4	010.7	40.26
335.0	000.2500	0020.0	007.1	130.6	000.0060	0044.3	010.7	40.17
336.0	000.2500	0020.1	007.1	130.0	000.0060	0044.3	010.8	40.08
337.0	000.2500	0020.2	007.1	129.4	000.0060	0044.5	010.8	40.03
338.0	000.2500	0020.7	007.1	128.8	000.0060	0044.8	010.9	39.99
339.0	000.2500	0021.4	007.1	128.3	000.0060	0045.1	010.9	39.96
340.0	000.2500	0021.7	007.1	127.7	000.0060	0045.5	011.0	39.93
341.0	000.2500	0021.4	007.1	127.2	000.0060	0045.9	011.1	39.90
342.0	000.2500	0020.7	007.1	126.6	000.0060	0046.3	011.1	39.86
343.0	000.2500	0020.3	007.1	126.1	000.0060	0046.6	011.2	39.80
344.0	000.2500	0020.6	007.1	125.6	000.0060	0046.9	011.3	39.74

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
345.0	000.2500	0021.5	007.1	125.1	000.0060	0047.1	011.4	39.66
346.0	000.2500	0022.4	007.1	124.7	000.0060	0047.4	011.4	39.58
347.0	000.2500	0022.8	007.1	124.2	000.0060	0047.6	011.5	39.50
348.0	000.2500	0023.4	007.1	123.8	000.0060	0048.0	011.6	39.43
349.0	000.2500	0024.0	007.1	123.3	000.0060	0048.3	011.7	39.35
350.0	000.2500	0024.5	007.1	122.9	000.0060	0048.6	011.8	39.27
351.0	000.2500	0025.0	007.1	122.5	000.0060	0048.9	011.9	39.20
352.0	000.2500	0025.5	007.1	122.1	000.0060	0049.3	012.0	39.12
353.0	000.2500	0026.0	007.1	121.7	000.0060	0049.6	012.1	39.04
354.0	000.2500	0026.5	007.1	121.4	000.0060	0050.0	012.2	38.95
355.0	000.2500	0026.7	007.1	121.0	000.0060	0050.3	012.3	38.86
356.0	000.2500	0027.0	007.1	120.7	000.0060	0050.5	012.4	38.76
357.0	000.2500	0027.6	007.1	120.4	000.0060	0050.8	012.5	38.65
358.0	000.2500	0028.0	007.1	120.1	000.0060	0051.0	012.6	38.53
359.0	000.2500	0028.5	007.1	119.8	000.0060	0051.1	012.7	38.41
000.0	000.2500	0028.7	007.1	119.5	000.0060	0051.2	012.8	38.27
001.0	000.2500	0028.9	007.1	119.2	000.0060	0051.3	012.9	38.13
002.0	000.2500	0029.2	007.1	119.0	000.0060	0051.3	013.0	37.98
003.0	000.2500	0029.4	007.1	118.7	000.0060	0051.4	013.1	37.83
004.0	000.2500	0029.4	007.1	118.5	000.0060	0051.4	013.2	37.67
005.0	000.2500	0029.5	007.1	118.3	000.0060	0051.3	013.3	37.51
006.0	000.2500	0029.8	007.1	118.1	000.0060	0051.3	013.4	37.36
007.0	000.2500	0030.1	007.1	117.8	000.0060	0051.3	013.6	37.20
008.0	000.2500	0030.3	007.1	117.6	000.0060	0051.3	013.7	37.05
009.0	000.2500	0030.5	007.1	117.4	000.0060	0051.2	013.8	36.89
010.0	000.2500	0030.7	007.2	117.1	000.0060	0051.2	013.9	36.74
011.0	000.2500	0030.8	007.2	116.9	000.0060	0051.2	014.0	36.59
012.0	000.2500	0030.8	007.2	116.8	000.0060	0051.2	014.1	36.43
013.0	000.2500	0031.0	007.2	116.6	000.0060	0051.2	014.2	36.29
014.0	000.2500	0031.2	007.2	116.4	000.0060	0051.2	014.4	36.15
015.0	000.2500	0030.9	007.2	116.4	000.0060	0051.2	014.5	35.99
016.0	000.2500	0030.0	007.1	116.7	000.0060	0051.2	014.6	35.82
017.0	000.2500	0029.2	007.1	116.6	000.0060	0051.2	014.8	35.68
018.0	000.2500	0029.1	007.1	116.5	000.0060	0051.2	014.9	35.54
019.0	000.2500	0029.2	007.1	116.4	000.0060	0051.2	015.0	35.63