

**EXHIBIT D**

**Population within KDUT-FM52 Contour (Provo)**

American Fork (27,064)  
Pleasant Grove (33,798)  
Lindon (10,466)  
Vineyard (148)  
Orem (93,250)  
Provo (118,581)  
Palmyra\* (485)  
Lake Shore\* (755)  
Springville (28,520)  
Spanish Fork (31,538)

(\* Denotes CDP)

## **EXHIBIT E**

### **Ogden booster**

**Total Population: 257,686**

<b>White:</b>	<b>214,675</b>
<b>Black:</b>	<b>3,673</b>
<b>Hispanic:</b>	<b>29,965</b>
<b>Native American:</b>	<b>1,602</b>
<b>Asian:</b>	<b>3,578</b>
<b>Pacific Islander:</b>	<b>407</b>
<b>Mixed Race:</b>	<b>3,579</b>
<b>Other:</b>	<b>207</b>

### **Salt Lake City booster**

**Total Population: 983,981**

<b>White:</b>	<b>807,523</b>
<b>Black:</b>	<b>8,730</b>
<b>Hispanic:</b>	<b>109,569</b>
<b>Native American:</b>	<b>6,780</b>
<b>Asian:</b>	<b>23,510</b>
<b>Pacific Islander:</b>	<b>11,145</b>
<b>Mixed Race:</b>	<b>15,751</b>
<b>Other:</b>	<b>973</b>

### **Provo booster**

**Total Population: 308,005**

<b>White:</b>	<b>272,198</b>
<b>Black:</b>	<b>943</b>
<b>Hispanic:</b>	<b>22,989</b>
<b>Native American:</b>	<b>1,695</b>
<b>Asian:</b>	<b>3,669</b>
<b>Pacific Islander:</b>	<b>1,965</b>
<b>Mixed Race:</b>	<b>4,253</b>
<b>Other:</b>	<b>293</b>

ATTACHMENT E

FEDERAL COMMUNICATIONS COMMISSION  
445 TWELFTH STREET SW  
WASHINGTON DC 20554

MEDIA BUREAU  
AUDIO DIVISION  
APPLICATION STATUS: (202) 418-2730  
HOME PAGE: [www.fcc.gov/mb/audio/](http://www.fcc.gov/mb/audio/)

ENGINEER: CHARLES N. (NORM) MILLER  
TELEPHONE: (202) 418-2767  
FACSIMILE: (202) 418-1410  
E-MAIL: [charles.miller@fcc.gov](mailto:charles.miller@fcc.gov)

March 29, 2010

Francisco R. Montero, Esq.  
Fletcher, Heald & Hildreth, P.L.C.  
1300 North 17th Street, 11th Floor  
Arlington, Virginia 22209-3801

In re: Bustos Media of Utah License, LLC  
KDUT (FM), Randolph, Utah  
Facility Identification Number: 88272  
Application for Experimental Authorization

Dear Counsel:

The staff has before it a request for an Experimental Authorization, filed March 9, 2010, on behalf of Bustos Media of Utah License, LLC ("BMU"), licensee of Station KDUT(FM), Randolph, Utah<sup>1</sup>, and several associated FM Booster Stations<sup>2</sup>. BMU proposes to conduct experimental operations to determine the feasibility of broadcasting independent, targeted messages on the FM Booster stations. BMU proposes to simultaneously broadcast different noncommercial announcements, targeted to specific, diverse audiences, on each of the booster stations. BMU proposes to use proprietary technology provided by GEO Spots, LLC, which will allow different announcements to be placed on each of the boosters in a synchronized time sequence. Other than the foregoing, no changes to the authorized technical facilities are contemplated. BMU states that the experimental broadcasts will be conducted over a 30-day period.

Our review indicates that the proposed experimental operation meets the requirements of Section 73.1510 of the Commission's rules and that the proposed experimental operation is not likely to result in interference to any other station. Although some intrasystem interference is to be expected from the experimental operation, we believe that BMU will act in its own self-interest to minimize any detrimental effect on its listeners. We find that the Public Interest would be served through the collection of data on the feasibility of transmitting independent, targeted announcements on FM Boosters, which could be used in support of a Petition for Rule Making to modify the Commission's Rules to permit the use of such transmissions. We believe that, in order to provide for setup and preliminary testing in addition to the proposed 30-day experimentation, a term of 60 days is appropriate.

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<sup>1</sup> KDUT is licensed for operation on Channel 272C (102.3 MHz), with effective radiated power of 89 kilowatts (H only) and antenna height above average terrain of 647 meters.

<sup>2</sup> KDUT-FM1, Bountiful, UT; KDUT-FM2, Salt Lake City, UT; KDUT-FM3, Ogden, UT; KDUT-FM5, Provo, UT.

Accordingly, the request for Experimental Authorization IS GRANTED. Station KDUT may transmit independent, noncommercial announcements on its associated FM Booster Stations as described above. Limited waiver of 47 C.F.R. Section 74.1231(h) is granted, only to the extent necessary for the proposed experimentation. BMU shall employ whatever means are necessary to prevent excessive exposure of workers or the public to radio frequency radiation, pursuant to Section 1.1310. Within 60 days following completion of the experimental operation authorized herein, BMU shall file a full report of the research, experimentation and results with the Commission, pursuant to Section 73.1510(d). The authority granted herein does not convey or imply any authority for continued operation beyond the expiration date below. Any construction undertaken pursuant to this authority is entirely at BMU's own risk. This authority may be modified or cancelled by the FCC at any time without prior notice or right to hearing.

This authorization expires on **May 29, 2010**.

Sincerely,

A handwritten signature in black ink, appearing to read "Charles N. Miller". The signature is fluid and cursive, with a long horizontal line extending to the right.

Charles N. Miller, Engineer  
Audio Division  
Media Bureau

cc: Bustos Media of Utah License, LLC  
Aaron P. Shainis, Esq. (Counsel for GEO Spots, LLC)

**ATTACHMENT E**

# Shainis & Peltzman, Chartered

Aaron P. Shainis  
aaron@s-plaw.com

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lee@s-plaw.com

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e-mail: shainispeltzman@s-plaw.com

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Of Counsel  
William H. DuRoss, III  
bill@s-plaw.com

Robert J. Keller  
bob@s-plaw.com

September 22, 2011

FILED/ACCEPTED

**VIA HAND DELIVERY**

Marlene H. Dortch  
Office of the Secretary  
Federal Communications Commission  
445 12<sup>th</sup> Street SW  
Washington, DC 20554

SEP 22 2011

Federal Communications Commission  
Office of the Secretary

Re: Cohan Radio Group, Inc.  
WWOJ(FM)  
Avon Park, Florida  
Facility ID No. 27199

Dear Ms. Dortch:

On July 19, 2011, Cohan Radio Group, Inc. ("Cohan"), the licensee of WWOJ(FM), Facility ID No. 27199, Avon Park, Florida, pursuant to Section 73.15110 of the Commission's rules, requested an experimental authorization. Associated with that submission were engineering portions of FCC Form 349 (Attachments A, B and C). The engineering attached to the instant submission should replace the previously filed engineering showings. If you have any questions with respect to this matter, please communicate with the undersigned.

Sincerely yours,



Aaron P. Shainis  
Counsel for  
Cohan Radio Group, Inc.

Enclosures

cc (via email): Norm Miller

ATTACHMENT A



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

<p>1. <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>	<p><input type="radio"/> Yes <input type="radio"/> No</p>												
<p>2. 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 type="radio"/> other</td> </tr> <tr> <td colspan="2">a. If "other", describe nature of applicant in an Exhibit.</td> <td>[Exhibit 2]</td> </tr> </table>		<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 type="radio"/> other			a. If "other", describe nature of applicant in an Exhibit.		[Exhibit 2]
<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 type="radio"/> other													
a. If "other", describe nature of applicant in an Exhibit.		[Exhibit 2]											
<p>3. 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><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A</p> <p>See Explanation in [Exhibit 3]</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 type="radio"/> N/A</p> <p>See Explanation in [Exhibit 4]</p>												
<p>NOTE: If No to a. and b., and no waiver has been requested in an Exhibit, this application is unacceptable for filing. 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>													
<p>4. 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>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A</p> <p>See Explanation in [Exhibit 5]</p>												
<p>5. 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. If No, this application is unacceptable for filing.</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A</p>												
<p>6. <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>	<p><input type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 6]</p>												

<p>7. <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 type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 7]</p>
<p>8. <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 type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 8]</p>
<p>9. <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 type="radio"/> Yes <input type="radio"/> No</p>
<p>10. <b>Local Public Notice.</b> Applicant certifies compliance with the public notice requirements of 47 C.F.R. Section 73.3580.</p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>
<p>11. <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 type="radio"/> N/A</p> <p>See Explanation in [Exhibit 9]</p>
<p>12. <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 type="radio"/> Yes <input type="radio"/> No</p>
<p>13. <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 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	Typed or Printed Title of Person Signing
Signature	Date

### 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)
------	---

W. JEFFREY REYNOLDS

TECHNICAL CONSULTANT

Signature

Date  
9/14/2011

Mailing Address

DU TREIL, LUNDIN & RACKLEY, INC.  
201 FLETCHER AVENUE

City  
SARASOTA

State or Country (if foreign address)  
FL

Zip Code  
34237 - 6019

Telephone Number (include area code)  
9413296000

E-Mail Address (if available)  
JEFF@DLR.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).

Unable to find table

**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: 256

2. Primary Station:

Facility ID Number	Call Sign	City	State
27199	WVOJ	AVON PARK	FL

3. Delivery Method (Select One):

Off-air  Microwave  Satellite  Via  Other

4. Antenna Location Coordinates: (NAD 27)

Latitude:

Degrees 27 Minutes 21 Seconds 59  North  South

Longitude:

Degrees 81 Minutes 47 Seconds 52  West  East

5. Antenna Structure Registration Number: 1028566

Not Applicable  Notification filed with FAA

6. Antenna Location Site Elevation Above Mean Sea Level:

17 meters

7. Overall Tower Height Above Ground Level:

115 meters

8. Height of Radiation Center Above Ground Level:

meters(H) 64 meters(V)

9. Effective Radiated Power:

kW(H) 5 kW(V)

10. Transmitting Antenna:

Before selecting Directional "Off-the-Shelf", refer to "Search for Antenna Information" under CDBS Public Access ([http://licensing.fcc.gov/prod/cdbs/pubacc/prod/cdbs\\_pa.htm](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.

Nondirectional  Directional "Off-the-shelf"  Directional composite

Manufacturer ALD Model ALP.08.02.712

Rotation:degrees  No Rotation

Degrees	Value										
0	1	10	0.938	20	0.766	30	0.529	40	0.296	50	0.119
60	0.017	70	0.023	80	0.027	90	0.018	100	0.01	110	0.004

120	0.001	130	0.004	140	0.006	150	0.006	160	0.005	170	0.004
180	0.003	190	0.003	200	0.005	210	0.005	220	0.005	230	0.004
240	0.001	250	0.003	260	0.01	270	0.017	280	0.025	290	0.021
300	0.016	310	0.116	320	0.294	330	0.517	340	0.749	350	0.928
Additional Azimuths											

Relative Field Polar Plot

11.	<p><b>For FM Boosters and Fill-in translators only.</b></p> <p>a. <b>FM Fill-in translators.</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>b. <b>FM Boosters.</b> Applicant certifies that the FM Booster station's service contour is entirely within the primary station's protected coverage contour.</p>	<p><input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A</p> <p>See Explanation in [Exhibit 10]</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A</p> <p>See Explanation in [Exhibit 11]</p>
12.	<p><b>Interference.</b> The proposed facility complies with all of the following applicable rule sections. Check all that apply:</p> <p><b>Overlap Requirements.</b> <input checked="" type="checkbox"/> a) 47 C.F.R. Section 74.1204 <b>Exhibit Required.</b></p> <p><b>Television Channel 6 Protection.</b> <input type="checkbox"/> b) 47 C.F.R. Section 74.1205 with respect to station(s) <b>Exhibit Required.</b></p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 12]</p> <p>[Exhibit 13]</p> <p>[Exhibit 14]</p>
13.	<p><b>Unattended operation.</b> 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.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 15]</p>
14.	<p><b>Multiple Translators.</b> 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.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 16]</p>
15.	<p><b>Environmental Protection Act.</b> 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 <b>Exhibit is required.</b></p> <p>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.</p>	<p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 17]</p>

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.

Preliminary Matter: 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:	

**Tie Breakers**

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	Typed or Printed Title of Person Signing
Signature	Date

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## Exhibits

### Exhibit 11

Description: SEE EXHIBIT 17

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### Attachment 11

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### Exhibit 12

Description: SEE EXHIBIT 17

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### Attachment 12

---

### Exhibit 13

Description: SEE EXHIBIT 17

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### Attachment 13

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### Exhibit 17

Description: TECHNICAL SUMMARY

BOOSTER COVERAGE COMPLIANCE - FIGURE 1 IS A MAP DEMONSTRATING THAT THE PROPOSED BOOSTER 60 DBU CONTOUR IS WITHIN THE 60 DBU CONTOUR OF FM MAIN STATION WWOJ ON CHANNEL 256A AT AVON PARK, FL. CONTOUR LOCATIONS BASED ON USGS 30-SECOND TERRAIN DATABASE.

SECTION 74.1204 COMPLIANCE THERE ARE NO INTERMEDIATE FREQUENCY (IF) ALLOCATIONS OF CONCERN. FURTHERMORE, AS DEMONSTRATED ON FIGURE 2, CONTOUR PROTECTION IS PROVIDED TO FIRST ADJACENT CHANNEL STATIONS WBCG ON CHANNEL 255A AT MURDOCK, FL AND WJBX ON CHANNEL 257C2 AT FORT MEYERS BEACH, FL. CONTOUR LOCATIONS BASED ON USGS 30-SECOND TERRAIN DATABASE.

FIGURE 3, ATTACHED, PROVIDES ANTENNA SYSTEM INFORMATION.

RFR COMPLIANCE - THE PROPOSED FACILITIES WERE EVALUATED IN TERMS OF POTENTIAL RADIO FREQUENCY (RF) ENERGY EXPOSURE AT GROUND LEVEL TO WORKERS AND THE GENERAL PUBLIC. THE RADIATION CENTER FOR THE PROPOSED BOOSTER ANTENNA IS LOCATED 64 METERS ABOVE GROUND LEVEL ON THE EXISTING TOWER. THE MAXIMUM ERP IS 5 KW (VERTICAL POLARIZATION). A CONSERVATIVE VERTICAL PLANE RELATIVE FIELD VALUE OF 0.1 (FOR ANGLES BELOW 60 DEGREES DOWNWARD) IS PRESUMED FOR THE ANTENNA'S DOWNWARD RADIATION (SEE PAGE 5 OF FIGURE 3 ATTACHED). THE CALCULATED POWER DENSITY AT A POINT 2 METERS ABOVE GROUND LEVEL IS 0.00043 MW/CM<sup>2</sup>. THIS IS 0.22% OF THE FCC'S RECOMMENDED LIMIT OF 0.2 MW/CM<sup>2</sup> FOR FM RADIO STATIONS FOR AN UNCONTROLLED ENVIRONMENT. THEREFORE, BASED ON THE RESPONSIBILITY THRESHOLD OF 5%, THE PROPOSAL WILL COMPLY WITH THE RF EMISSION RULES.

ACCESS TO THE TRANSMITTING SITE IS RESTRICTED AND APPROPRIATELY MARKED WITH RFR WARNING SIGNS. FURTHERMORE, AS THIS IS A MULTI-USER SITE, A PROTOCOL WILL BE IN EFFECT WITH THE OTHER STATIONS IN THE EVENT THAT WORKERS OR OTHER AUTHORIZED PERSONNEL ENTER THE RESTRICTED AREA OR CLIMB THE TOWER TO ENSURE THAT APPROPRIATE MEASURES WILL BE TAKEN TO ASSURE WORKER SAFETY WITH RESPECT TO RADIO FREQUENCY RADIATION EXPOSURE. SUCH MEASURES INCLUDE REDUCING THE AVERAGE EXPOSURE BY SPREADING OUT THE WORK OVER A LONGER PERIOD OF TIME, WEARING ACCEPTED RFR PROTECTIVE

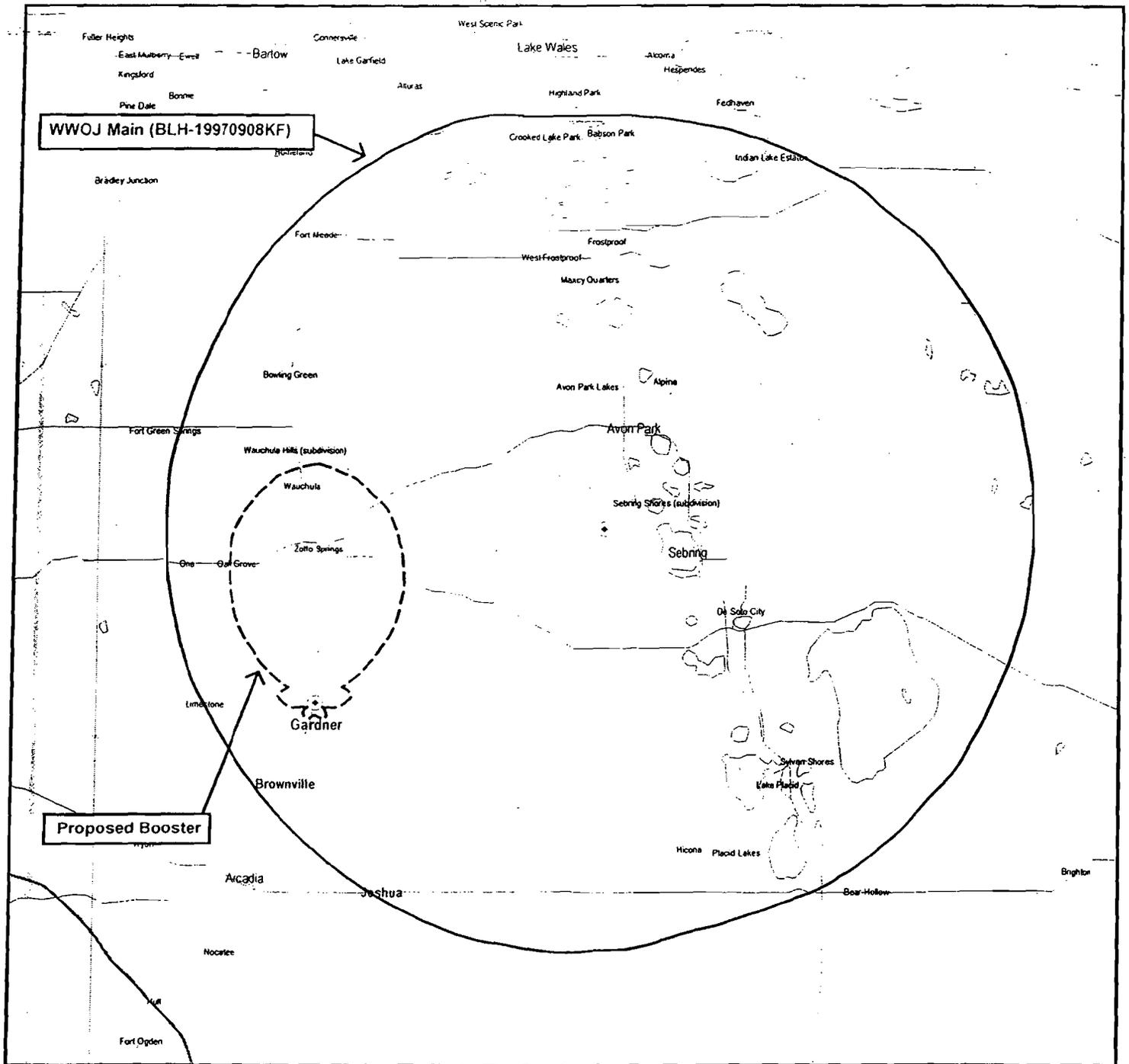
CLOTHING AND/OR RFR EXPOSURE. FURTHERMORE, IT IS NOTED THAT THIS TECHNICAL EXHIBIT ONLY ADDRESSES THE POTENTIAL FOR RADIO FREQUENCY ELECTROMAGNETIC FIELD EXPOSURE. ALL OTHER ASPECTS OF THE ENVIRONMENTAL PROCESSING ANALYSIS WILL BE OR ALREADY HAS BEEN PROVIDED TO THE FCC BY THE TOWER OWNER AS PART OF THE TOWER REGISTRATION PROCESS.

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Attachment 17

Description
FIGURES - ZOLFO SPRINGS BOOSTER

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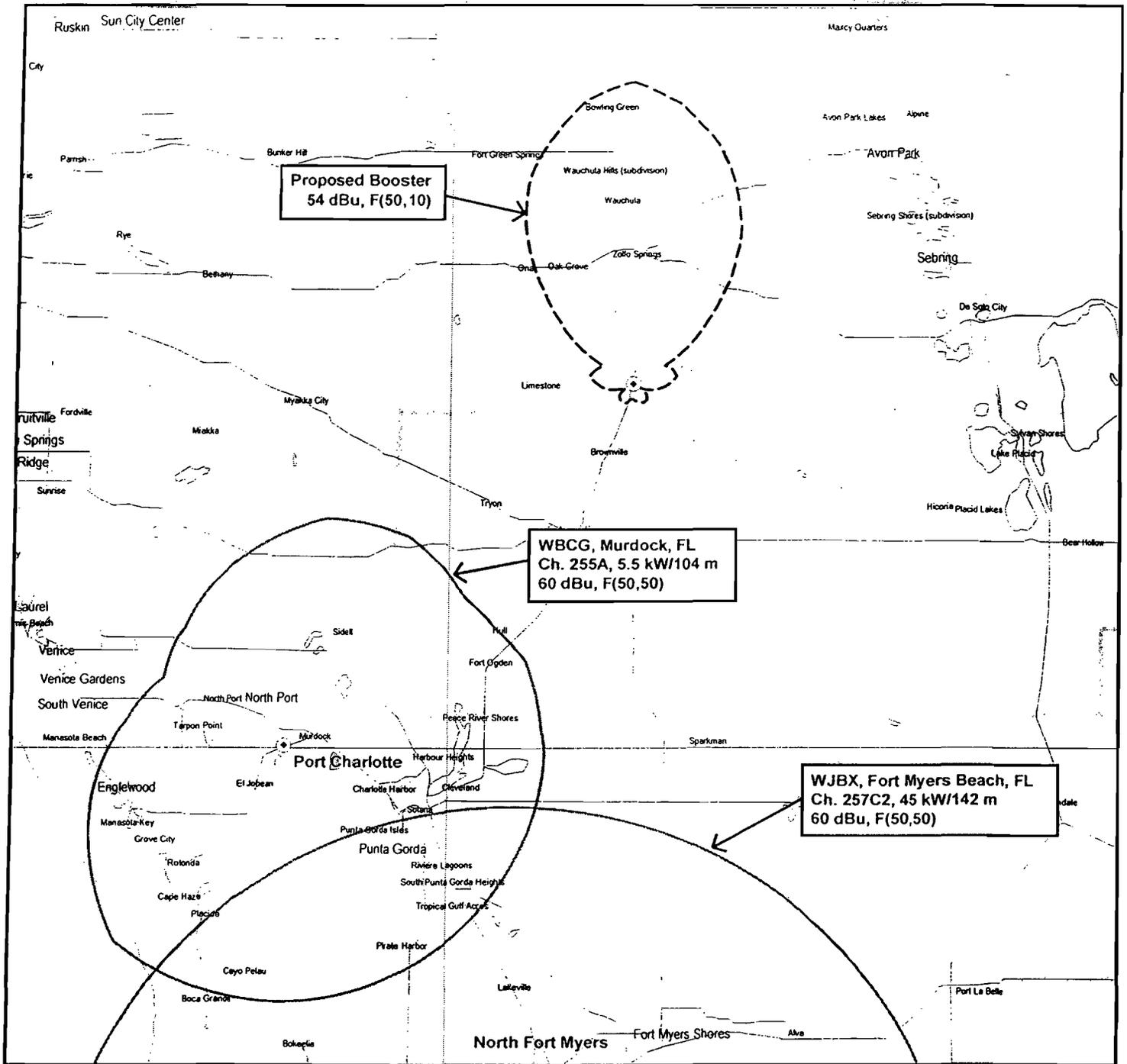


**MAIN AND BOOSTER 60 DBU CONTOURS**

NEW FM BOOSTER STATION  
ZOLFO SPRINGS, FLORIDA  
CH 256 5 KW (MAX-DA)

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Figure 2



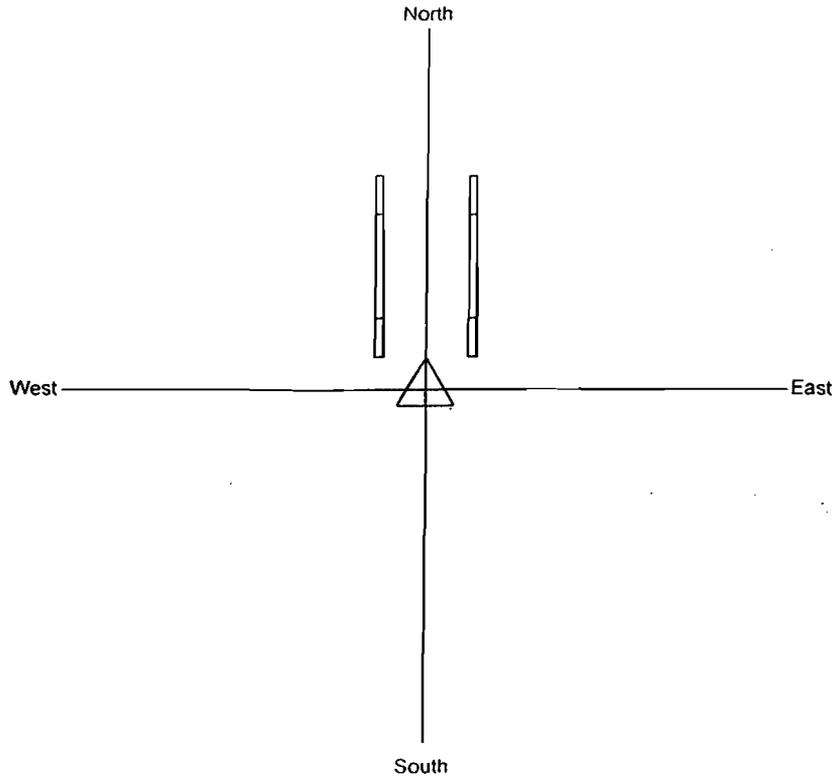
15 0 15 30 45 Kilometers

**COMPLIANCE WITH SECTION 74.1204**

**NEW FM BOOSTER STATION  
ZOLFO SPRINGS, FLORIDA  
CH 256 5 KW (MAX-DA)**

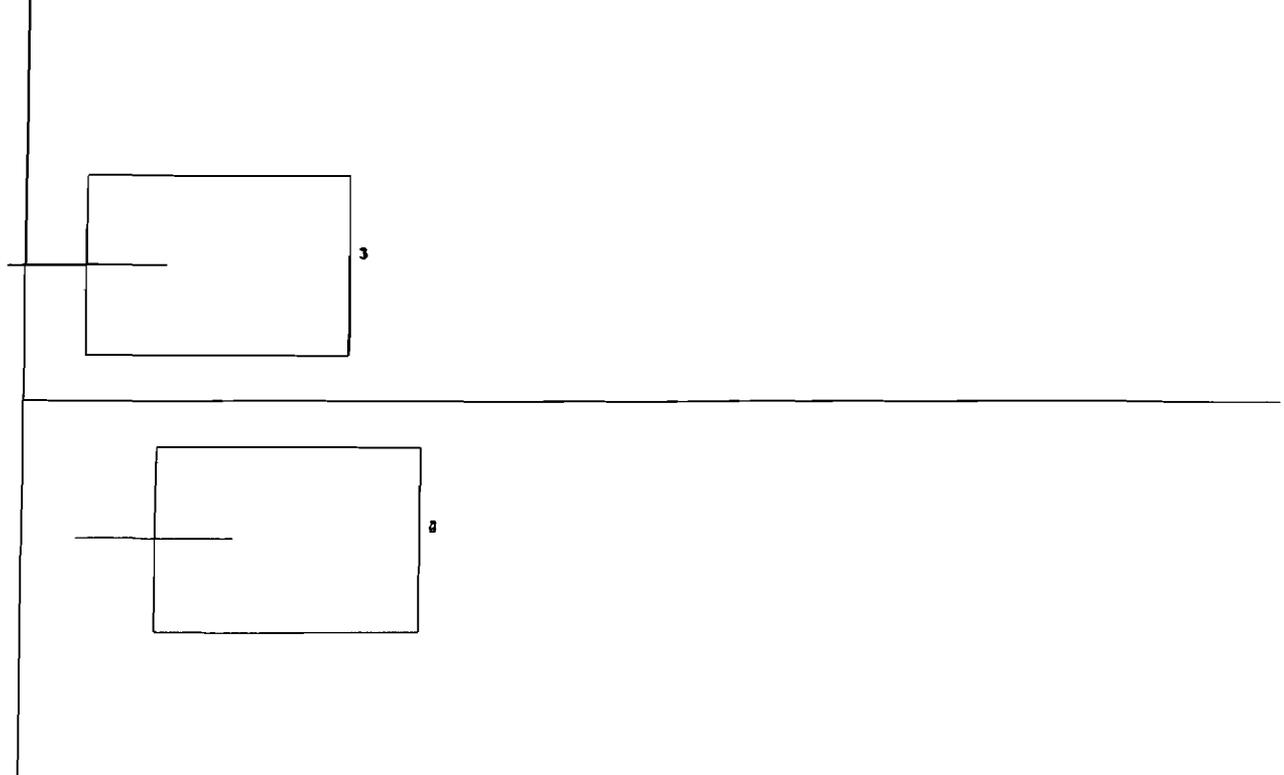
du Treil, Lundin & Rackley, Inc. Sarasota, Florida

### Plan of antenna system

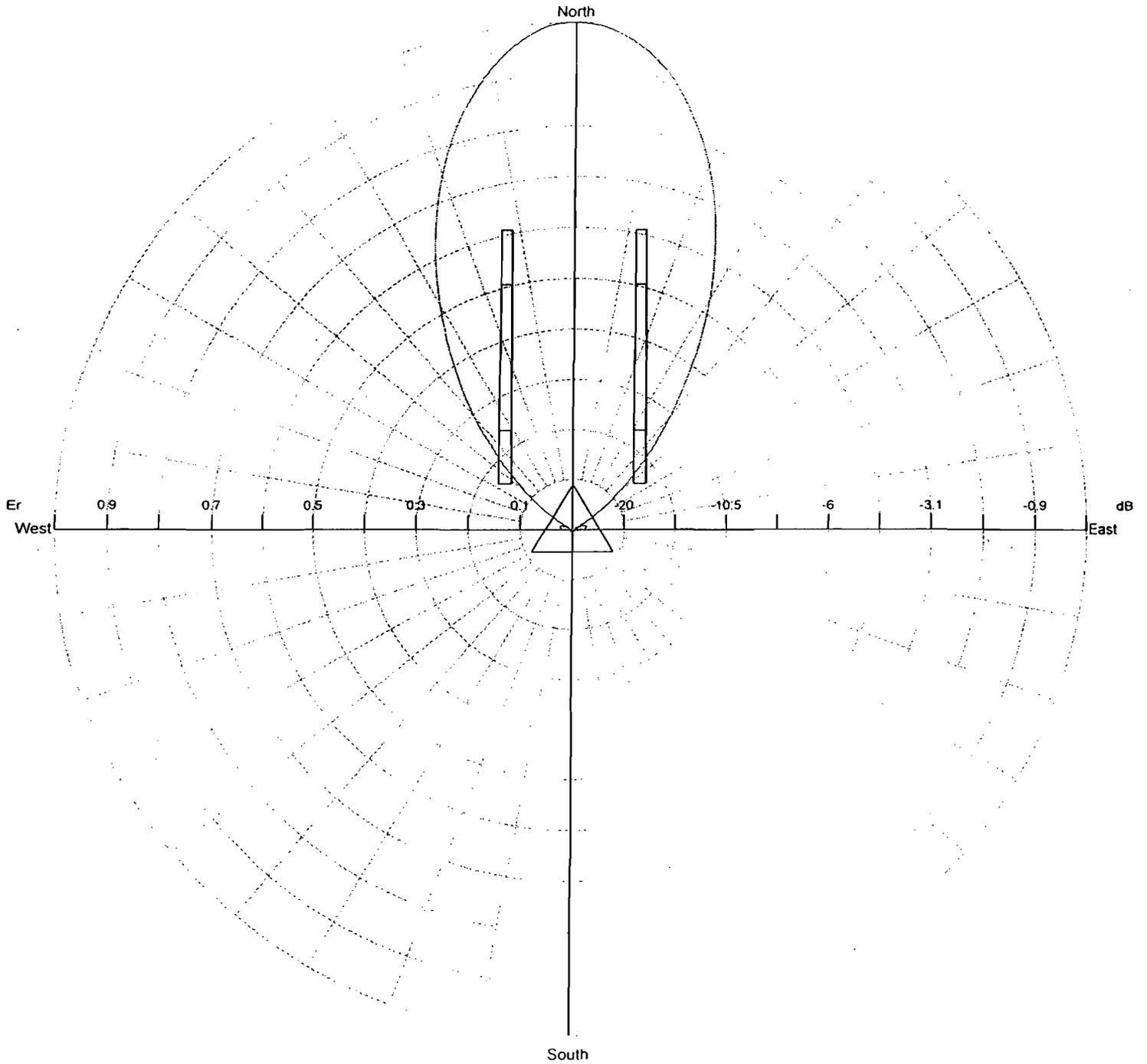


### Side of antenna system

Az. 0.0°



Horizontal diagram at 0.3° depres. (Total Antenna)



——— 0.3° depres (Total Antenna), Gain (dBd): 12.4

ERP T Max(KW): 4.7772 ERP E Max(KW): 3.2883

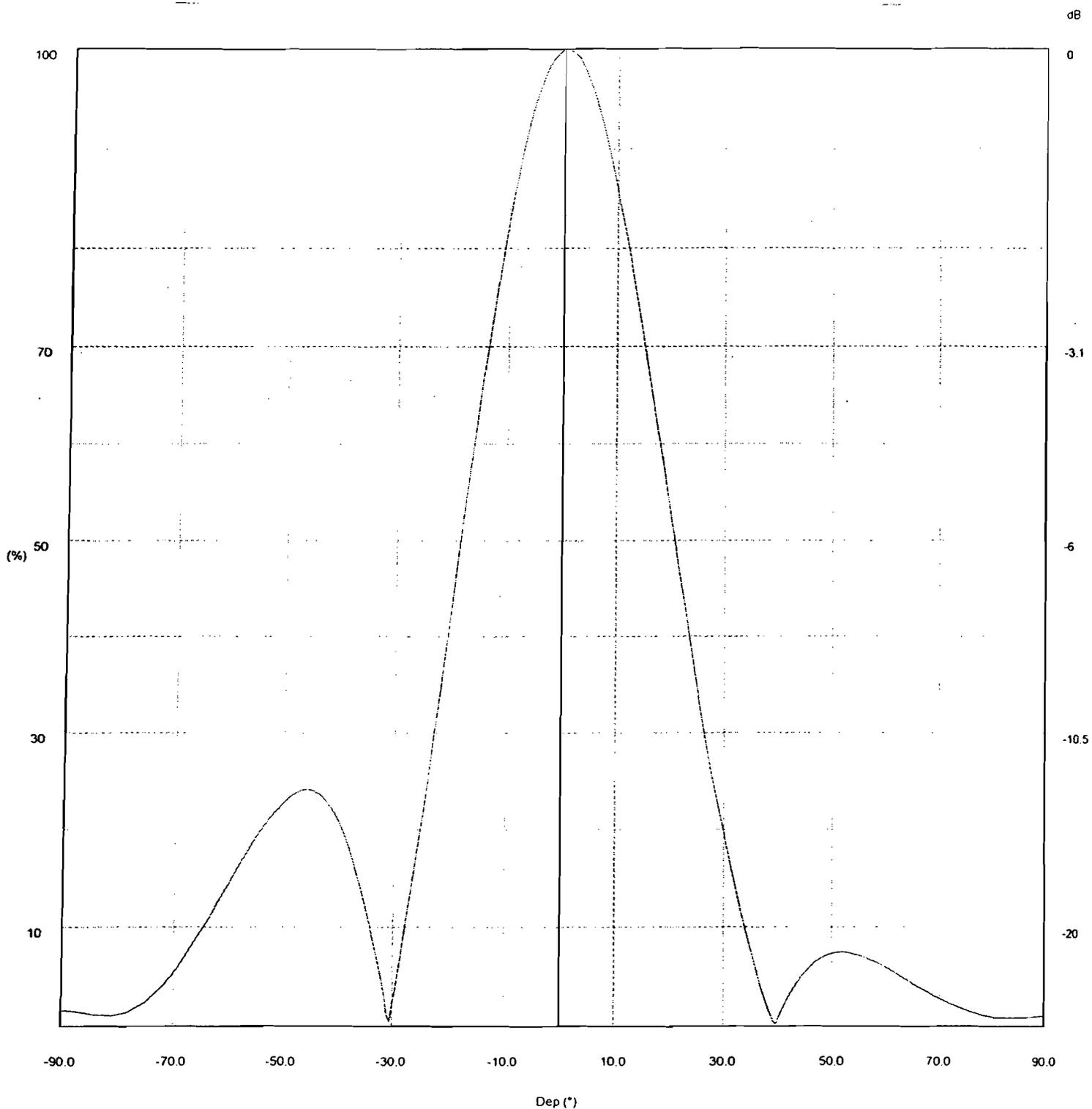
Horizontal diagram at 0.3° depres. (Total Antenna)

Az (°)	Er (%)	ERP (KW)	Az (°)	Er (%)	ERP (KW)	Az (°)	Er (%)	ERP (KW)
0.0	100.0	3.288	60.0	1.7	0.001	120.0	0.1	0.001
1.0	99.9	3.282	61.0	1.0	0.001	121.0	0.2	0.001
2.0	99.7	3.268	62.0	0.5	0.001	122.0	0.2	0.001
3.0	99.4	3.249	63.0	0.1	0.001	123.0	0.2	0.001
4.0	98.9	3.217	64.0	0.5	0.001	124.0	0.3	0.001
5.0	98.3	3.180	65.0	0.9	0.001	125.0	0.3	0.001
6.0	97.7	3.137	66.0	1.3	0.001	126.0	0.3	0.001
7.0	96.8	3.084	67.0	1.6	0.001	127.0	0.3	0.001
8.0	95.9	3.026	68.0	1.9	0.001	128.0	0.4	0.001
9.0	94.9	2.963	69.0	2.1	0.001	129.0	0.4	0.001
10.0	93.8	2.892	70.0	2.3	0.002	130.0	0.4	0.001
11.0	92.6	2.817	71.0	2.4	0.002	131.0	0.4	0.001
12.0	91.3	2.739	72.0	2.6	0.002	132.0	0.4	0.001
13.0	89.7	2.646	73.0	2.7	0.002	133.0	0.5	0.001
14.0	88.1	2.552	74.0	2.7	0.002	134.0	0.5	0.001
15.0	86.4	2.456	75.0	2.8	0.003	135.0	0.5	0.001
16.0	84.6	2.356	76.0	2.8	0.003	136.0	0.5	0.001
17.0	82.8	2.255	77.0	2.8	0.003	137.0	0.5	0.001
18.0	80.9	2.154	78.0	2.8	0.003	138.0	0.5	0.001
19.0	78.8	2.042	79.0	2.8	0.003	139.0	0.6	0.001
20.0	76.6	1.931	80.0	2.7	0.002	140.0	0.6	0.001
21.0	74.4	1.823	81.0	2.7	0.002	141.0	0.6	0.001
22.0	72.2	1.712	82.0	2.6	0.002	142.0	0.6	0.001
23.0	69.8	1.604	83.0	2.5	0.002	143.0	0.6	0.001
24.0	67.5	1.499	84.0	2.4	0.002	144.0	0.6	0.001
25.0	65.1	1.392	85.0	2.3	0.002	145.0	0.6	0.001
26.0	62.6	1.289	86.0	2.2	0.002	146.0	0.6	0.001
27.0	60.2	1.191	87.0	2.1	0.001	147.0	0.6	0.001
28.0	57.7	1.096	88.0	2.0	0.001	148.0	0.6	0.001
29.0	55.3	1.006	89.0	1.9	0.001	149.0	0.6	0.001
30.0	52.9	0.920	90.0	1.8	0.001	150.0	0.6	0.001
31.0	50.4	0.837	91.0	1.8	0.001	151.0	0.5	0.001
32.0	48.0	0.758	92.0	1.7	0.001	152.0	0.5	0.001
33.0	45.6	0.685	93.0	1.6	0.001	153.0	0.5	0.001
34.0	43.3	0.615	94.0	1.5	0.001	154.0	0.5	0.001
35.0	40.9	0.551	95.0	1.4	0.001	155.0	0.5	0.001
36.0	38.6	0.491	96.0	1.3	0.001	156.0	0.5	0.001
37.0	36.3	0.433	97.0	1.3	0.001	157.0	0.5	0.001
38.0	34.0	0.380	98.0	1.2	0.001	158.0	0.5	0.001
39.0	31.8	0.332	99.0	1.1	0.001	159.0	0.5	0.001
40.0	29.6	0.288	100.0	1.0	0.001	160.0	0.5	0.001
41.0	27.5	0.249	101.0	1.0	0.001	161.0	0.4	0.001
42.0	25.5	0.213	102.0	0.9	0.001	162.0	0.4	0.001
43.0	23.5	0.181	103.0	0.8	0.001	163.0	0.4	0.001
44.0	21.6	0.153	104.0	0.7	0.001	164.0	0.4	0.001
45.0	19.7	0.128	105.0	0.7	0.001	165.0	0.4	0.001
46.0	18.0	0.107	106.0	0.6	0.001	166.0	0.4	0.001
47.0	16.4	0.088	107.0	0.5	0.001	167.0	0.4	0.001
48.0	14.8	0.072	108.0	0.5	0.001	168.0	0.4	0.001
49.0	13.3	0.058	109.0	0.4	0.001	169.0	0.4	0.001
50.0	11.9	0.046	110.0	0.4	0.001	170.0	0.4	0.001
51.0	10.5	0.036	111.0	0.3	0.001	171.0	0.4	0.001
52.0	9.3	0.028	112.0	0.2	0.001	172.0	0.4	0.001
53.0	8.0	0.021	113.0	0.2	0.001	173.0	0.4	0.001
54.0	6.9	0.016	114.0	0.1	0.001	174.0	0.4	0.001
55.0	5.8	0.011	115.0	0.1	0.001	175.0	0.4	0.001
56.0	4.9	0.008	116.0	0.1	0.001	176.0	0.4	0.001
57.0	4.0	0.005	117.0	0.1	0.001	177.0	0.4	0.001
58.0	3.1	0.003	118.0	0.1	0.001	178.0	0.3	0.001
59.0	2.4	0.002	119.0	0.1	0.001	179.0	0.3	0.001

Horizontal diagram at 0.3° depres. (Total Antenna)

Az (°)	Er (%)	ERP (KW)	Az (°)	Er (%)	ERP (KW)	Az (°)	Er (%)	ERP (KW)
180.0	0.3	0.001	240.0	0.1	0.001	300.0	1.6	0.001
181.0	0.3	0.001	241.0	0.1	0.001	301.0	2.3	0.002
182.0	0.3	0.001	242.0	0.1	0.001	302.0	3.1	0.003
183.0	0.3	0.001	243.0	0.1	0.001	303.0	3.9	0.005
184.0	0.3	0.001	244.0	0.1	0.001	304.0	4.8	0.008
185.0	0.3	0.001	245.0	0.1	0.001	305.0	5.8	0.011
186.0	0.3	0.001	246.0	0.2	0.001	306.0	6.8	0.015
187.0	0.3	0.001	247.0	0.2	0.001	307.0	7.9	0.020
188.0	0.3	0.001	248.0	0.2	0.001	308.0	9.0	0.027
189.0	0.3	0.001	249.0	0.3	0.001	309.0	10.2	0.034
190.0	0.3	0.001	250.0	0.3	0.001	310.0	11.6	0.044
191.0	0.3	0.001	251.0	0.4	0.001	311.0	13.0	0.056
192.0	0.4	0.001	252.0	0.5	0.001	312.0	14.5	0.069
193.0	0.4	0.001	253.0	0.5	0.001	313.0	16.1	0.085
194.0	0.4	0.001	254.0	0.6	0.001	314.0	17.7	0.103
195.0	0.4	0.001	255.0	0.6	0.001	315.0	19.5	0.125
196.0	0.4	0.001	256.0	0.7	0.001	316.0	21.3	0.150
197.0	0.4	0.001	257.0	0.8	0.001	317.0	23.3	0.178
198.0	0.4	0.001	258.0	0.9	0.001	318.0	25.3	0.211
199.0	0.4	0.001	259.0	0.9	0.001	319.0	27.3	0.246
200.0	0.5	0.001	260.0	1.0	0.001	320.0	29.4	0.285
201.0	0.5	0.001	261.0	1.1	0.001	321.0	31.6	0.328
202.0	0.5	0.001	262.0	1.2	0.001	322.0	33.6	0.371
203.0	0.5	0.001	263.0	1.2	0.001	323.0	35.7	0.418
204.0	0.5	0.001	264.0	1.3	0.001	324.0	37.8	0.469
205.0	0.5	0.001	265.0	1.4	0.001	325.0	40.0	0.527
206.0	0.5	0.001	266.0	1.4	0.001	326.0	42.3	0.589
207.0	0.5	0.001	267.0	1.5	0.001	327.0	44.7	0.656
208.0	0.5	0.001	268.0	1.6	0.001	328.0	47.0	0.726
209.0	0.5	0.001	269.0	1.6	0.001	329.0	49.3	0.800
210.0	0.5	0.001	270.0	1.7	0.001	330.0	51.7	0.879
211.0	0.5	0.001	271.0	1.8	0.001	331.0	54.1	0.963
212.0	0.5	0.001	272.0	1.9	0.001	332.0	56.6	1.052
213.0	0.5	0.001	273.0	2.0	0.001	333.0	59.0	1.146
214.0	0.5	0.001	274.0	2.1	0.001	334.0	61.4	1.238
215.0	0.5	0.001	275.0	2.2	0.002	335.0	63.7	1.333
216.0	0.5	0.001	276.0	2.2	0.002	336.0	66.0	1.432
217.0	0.5	0.001	277.0	2.3	0.002	337.0	68.3	1.532
218.0	0.5	0.001	278.0	2.4	0.002	338.0	70.5	1.634
219.0	0.5	0.001	279.0	2.5	0.002	339.0	72.7	1.739
220.0	0.5	0.001	280.0	2.5	0.002	340.0	74.9	1.846
221.0	0.5	0.001	281.0	2.5	0.002	341.0	77.1	1.954
222.0	0.5	0.001	282.0	2.5	0.002	342.0	79.2	2.065
223.0	0.5	0.001	283.0	2.5	0.002	343.0	81.2	2.167
224.0	0.5	0.001	284.0	2.5	0.002	344.0	83.1	2.270
225.0	0.5	0.001	285.0	2.5	0.002	345.0	84.9	2.373
226.0	0.4	0.001	286.0	2.4	0.002	346.0	86.7	2.470
227.0	0.4	0.001	287.0	2.4	0.002	347.0	88.3	2.566
228.0	0.4	0.001	288.0	2.3	0.002	348.0	89.9	2.660
229.0	0.4	0.001	289.0	2.2	0.002	349.0	91.4	2.749
230.0	0.4	0.001	290.0	2.1	0.001	350.0	92.8	2.835
231.0	0.4	0.001	291.0	2.0	0.001	351.0	94.2	2.917
232.0	0.4	0.001	292.0	1.8	0.001	352.0	95.3	2.988
233.0	0.3	0.001	293.0	1.5	0.001	353.0	96.4	3.055
234.0	0.3	0.001	294.0	1.2	0.001	354.0	97.4	3.118
235.0	0.3	0.001	295.0	0.9	0.001	355.0	98.2	3.171
236.0	0.3	0.001	296.0	0.5	0.001	356.0	98.9	3.218
237.0	0.2	0.001	297.0	0.0	0.001	357.0	99.6	3.260
238.0	0.2	0.001	298.0	0.5	0.001	358.0	99.8	3.276
239.0	0.2	0.001	299.0	1.0	0.001	359.0	100.0	3.285

### Vertical diagram at an azimuth of 0.0° degrees



0.0° Az. (Total Antenna). Gain (dBd): 12.4

ERP T.Max(KW): 4.7788 ERP E.Max(KW): 3.2894

## Vertical diagram at an azimuth of 0.0° degrees

Dep (°)	Er (%)	ERP (KW)	Dep (°)	Er (%)	ERP (KW)	Dep (°)	Er (%)	ERP (KW)
-90.0	1.6	0.001	-60.0	14.5	0.069	-30.0	2.1	0.002
-89.5	1.6	0.001	-59.5	15.0	0.074	-29.5	3.9	0.005
-89.0	1.6	0.001	-59.0	15.6	0.080	-29.0	5.7	0.011
-88.5	1.5	0.001	-58.5	16.0	0.085	-28.5	7.5	0.019
-88.0	1.5	0.001	-58.0	16.5	0.090	-28.0	9.4	0.029
-87.5	1.5	0.001	-57.5	17.0	0.095	-27.5	11.3	0.042
-87.0	1.5	0.001	-57.0	17.4	0.100	-27.0	13.3	0.058
-86.5	1.4	0.001	-56.5	17.9	0.106	-26.5	15.3	0.077
-86.0	1.4	0.001	-56.0	18.4	0.112	-26.0	17.3	0.098
-85.5	1.3	0.001	-55.5	18.9	0.117	-25.5	19.3	0.122
-85.0	1.2	0.001	-55.0	19.3	0.123	-25.0	21.3	0.150
-84.5	1.2	0.001	-54.5	19.8	0.128	-24.5	23.4	0.181
-84.0	1.1	0.001	-54.0	20.2	0.134	-24.0	25.5	0.215
-83.5	1.1	0.001	-53.5	20.6	0.139	-23.5	27.7	0.252
-83.0	1.1	0.001	-53.0	20.9	0.144	-23.0	29.8	0.292
-82.5	1.1	0.001	-52.5	21.3	0.149	-22.5	32.0	0.336
-82.0	1.1	0.001	-52.0	21.6	0.154	-22.0	34.1	0.384
-81.5	1.1	0.001	-51.5	21.9	0.158	-21.5	36.3	0.434
-81.0	1.1	0.001	-51.0	22.2	0.162	-21.0	38.5	0.489
-80.5	1.1	0.001	-50.5	22.6	0.167	-20.5	40.7	0.546
-80.0	1.2	0.001	-50.0	22.9	0.172	-20.0	42.9	0.607
-79.5	1.2	0.001	-49.5	23.1	0.176	-19.5	45.2	0.671
-79.0	1.3	0.001	-49.0	23.4	0.180	-19.0	47.4	0.738
-78.5	1.4	0.001	-48.5	23.6	0.183	-18.5	49.6	0.809
-78.0	1.4	0.001	-48.0	23.8	0.186	-18.0	51.8	0.883
-77.5	1.6	0.001	-47.5	23.9	0.188	-17.5	53.9	0.957
-77.0	1.8	0.001	-47.0	24.0	0.190	-17.0	56.1	1.034
-76.5	1.9	0.001	-46.5	24.1	0.191	-16.5	58.2	1.114
-76.0	2.1	0.001	-46.0	24.1	0.192	-16.0	60.3	1.196
-75.5	2.2	0.002	-45.5	24.1	0.192	-15.5	62.4	1.281
-75.0	2.4	0.002	-45.0	24.1	0.191	-15.0	64.5	1.367
-74.5	2.6	0.002	-44.5	24.0	0.189	-14.5	66.5	1.453
-74.0	2.9	0.003	-44.0	23.8	0.186	-14.0	68.5	1.541
-73.5	3.2	0.003	-43.5	23.6	0.183	-13.5	70.4	1.631
-73.0	3.4	0.004	-43.0	23.3	0.179	-13.0	72.3	1.721
-72.5	3.7	0.005	-42.5	23.0	0.174	-12.5	74.2	1.813
-72.0	4.0	0.005	-42.0	22.7	0.169	-12.0	76.1	1.905
-71.5	4.3	0.006	-41.5	22.3	0.163	-11.5	77.8	1.993
-71.0	4.7	0.007	-41.0	21.9	0.157	-11.0	79.5	2.081
-70.5	5.0	0.008	-40.5	21.4	0.150	-10.5	81.2	2.168
-70.0	5.4	0.010	-40.0	20.8	0.143	-10.0	82.8	2.256
-69.5	5.8	0.011	-39.5	20.2	0.134	-9.5	84.4	2.342
-69.0	6.1	0.012	-39.0	19.6	0.126	-9.0	85.9	2.428
-68.5	6.6	0.014	-38.5	18.8	0.117	-8.5	87.3	2.507
-68.0	7.0	0.016	-38.0	18.0	0.107	-8.0	88.6	2.584
-67.5	7.4	0.018	-37.5	17.2	0.097	-7.5	89.9	2.660
-67.0	7.8	0.020	-37.0	16.3	0.087	-7.0	91.2	2.733
-66.5	8.3	0.022	-36.5	15.3	0.077	-6.5	92.3	2.805
-66.0	8.7	0.025	-36.0	14.3	0.068	-6.0	93.5	2.874
-65.5	9.2	0.028	-35.5	13.3	0.058	-5.5	94.4	2.931
-65.0	9.6	0.031	-35.0	12.2	0.049	-5.0	95.3	2.986
-64.5	10.1	0.034	-34.5	11.1	0.040	-4.5	96.1	3.038
-64.0	10.6	0.037	-34.0	9.8	0.032	-4.0	96.9	3.086
-63.5	11.0	0.040	-33.5	8.6	0.024	-3.5	97.6	3.131
-63.0	11.5	0.043	-33.0	7.2	0.017	-3.0	98.2	3.172
-62.5	12.0	0.047	-32.5	5.8	0.011	-2.5	98.7	3.201
-62.0	12.5	0.052	-32.0	4.3	0.006	-2.0	99.0	3.227
-61.5	13.0	0.056	-31.5	2.8	0.003	-1.5	99.4	3.248
-61.0	13.5	0.060	-31.0	1.2	0.001	-1.0	99.6	3.266
-60.5	14.0	0.065	-30.5	0.5	0.001	-0.5	99.9	3.280