

Population Inside KSL-FM 48 dBu = 1,922,672  
 Population Receiving Interference = 5

**KSL-FM (FCC ID#54166)**  
 Latitude: 40-39-34 N  
 Longitude: 112-12-05 W  
 ERP: 25.00 kW  
 Frequency: 102.7 MHz  
 AMSL Height: 2803.0 m  
 Elevation: 2755.0 m  
 HAAT: 1140.0 m  
 Horiz. Pattern: Omni  
 Prop Model: Longley/Rice  
 Climate: Cont temperate  
 Conductivity: 0.0050  
 Dielec Const: 15.0  
 Refractivity: 301.0  
 Receiver Ht AG: 1.8 m  
 Receiver Gain: 0 dB  
 Time Variability: 50.0%  
 Sit. Variability: 50.0%  
 ITM Mode: Broadcast

**Received Interference by KSL-FM from Proposed KDUT-FM2 Booster**

**KDUT-FM2 (FCC ID#122078)**  
 Latitude: 40-48-29 N  
 Longitude: 111-53-23 W  
 ERP: 0.099 kW  
 Frequency: 102.3 MHz  
 AMSL Height: 1831.0 m  
 Elevation: 1810.0 m  
 Horiz. Pattern: Directional  
 Prop Model: Longley/Rice  
 Climate: Cont temperate  
 Conductivity: 0.0050  
 Dielec Const: 15.0  
 Refractivity: 301.0  
 Receiver Ht AG: 1.8 m  
 Receiver Gain: 0 dB  
 Time Variability: 10.0%  
 Sit. Variability: 50.0%  
 ITM Mode: Broadcast

⊗ KSL-FM (FCC ID#54166)  
 ■ KDUT-FM2 (FCC ID#122078)

Scale 1:250,000  
 0 3 6 9 km



Population Inside KSL-FM 48 dBu = 1,922,672  
 Population Receiving Interference = 16,135

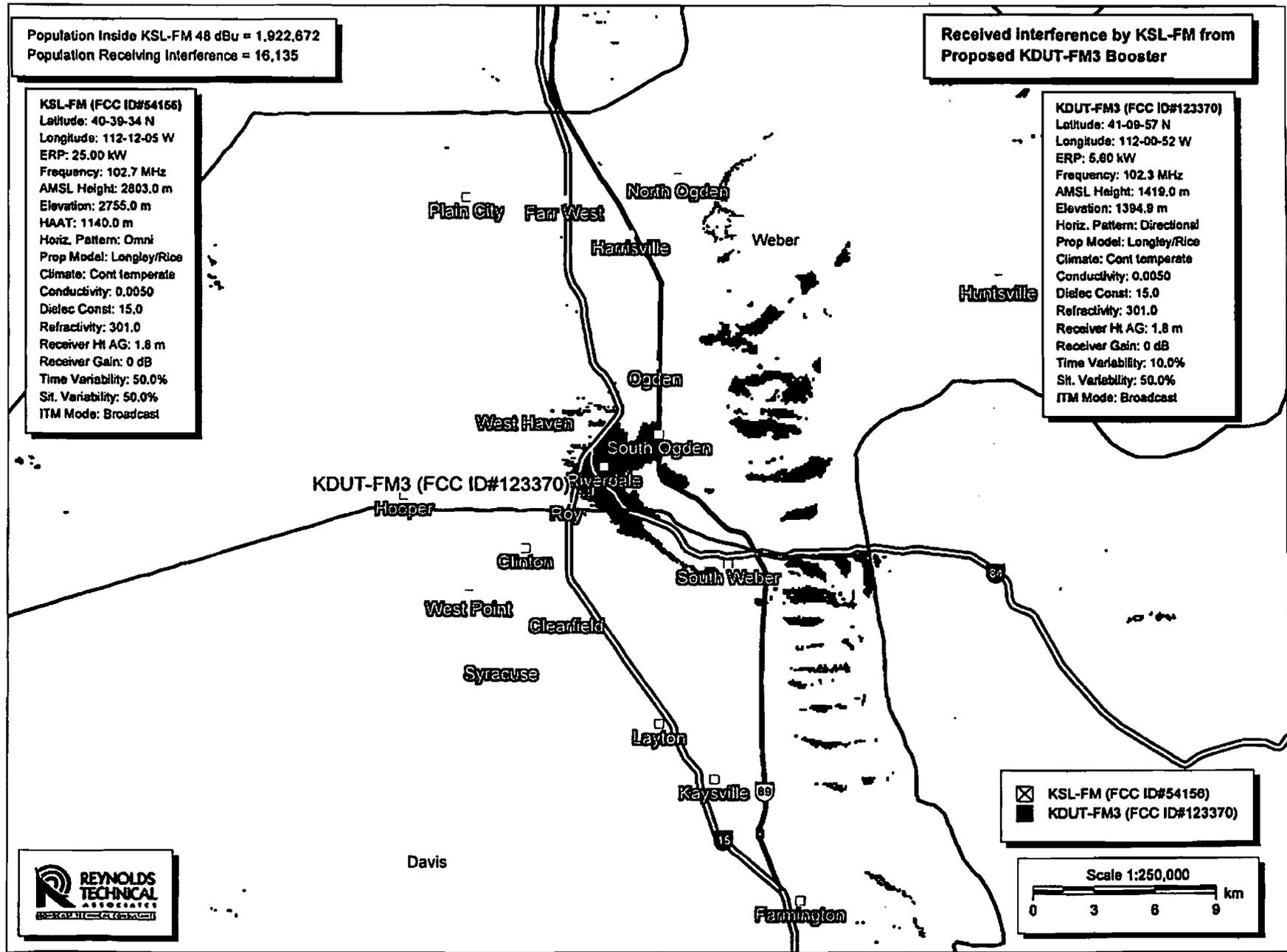
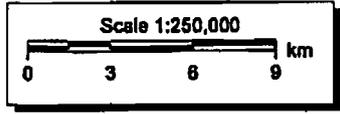
Received interference by KSL-FM from  
 Proposed KDUT-FM3 Booster

**KSL-FM (FCC ID#54156)**  
 Latitude: 40-39-34 N  
 Longitude: 112-12-05 W  
 ERP: 25.00 kW  
 Frequency: 102.7 MHz  
 AMSL Height: 2803.0 m  
 Elevation: 2755.0 m  
 HAAT: 1140.0 m  
 Horiz. Pattern: Omni  
 Prop Model: Longley/Rice  
 Climate: Cont temperate  
 Conductivity: 0.0050  
 Dielec Const: 15.0  
 Refractivity: 301.0  
 Receiver Ht AG: 1.8 m  
 Receiver Gain: 0 dB  
 Time Variability: 50.0%  
 St. Variability: 50.0%  
 ITM Mode: Broadcast

**KDUT-FM3 (FCC ID#123370)**  
 Latitude: 41-09-57 N  
 Longitude: 112-00-52 W  
 ERP: 5.60 kW  
 Frequency: 102.3 MHz  
 AMSL Height: 1419.0 m  
 Elevation: 1394.9 m  
 Horiz. Pattern: Directional  
 Prop Model: Longley/Rice  
 Climate: Cont temperate  
 Conductivity: 0.0050  
 Dielec Const: 15.0  
 Refractivity: 301.0  
 Receiver Ht AG: 1.8 m  
 Receiver Gain: 0 dB  
 Time Variability: 10.0%  
 St. Variability: 50.0%  
 ITM Mode: Broadcast

**KDUT-FM3 (FCC ID#123370)**

☒ KSL-FM (FCC ID#54156)  
 ■ KDUT-FM3 (FCC ID#123370)



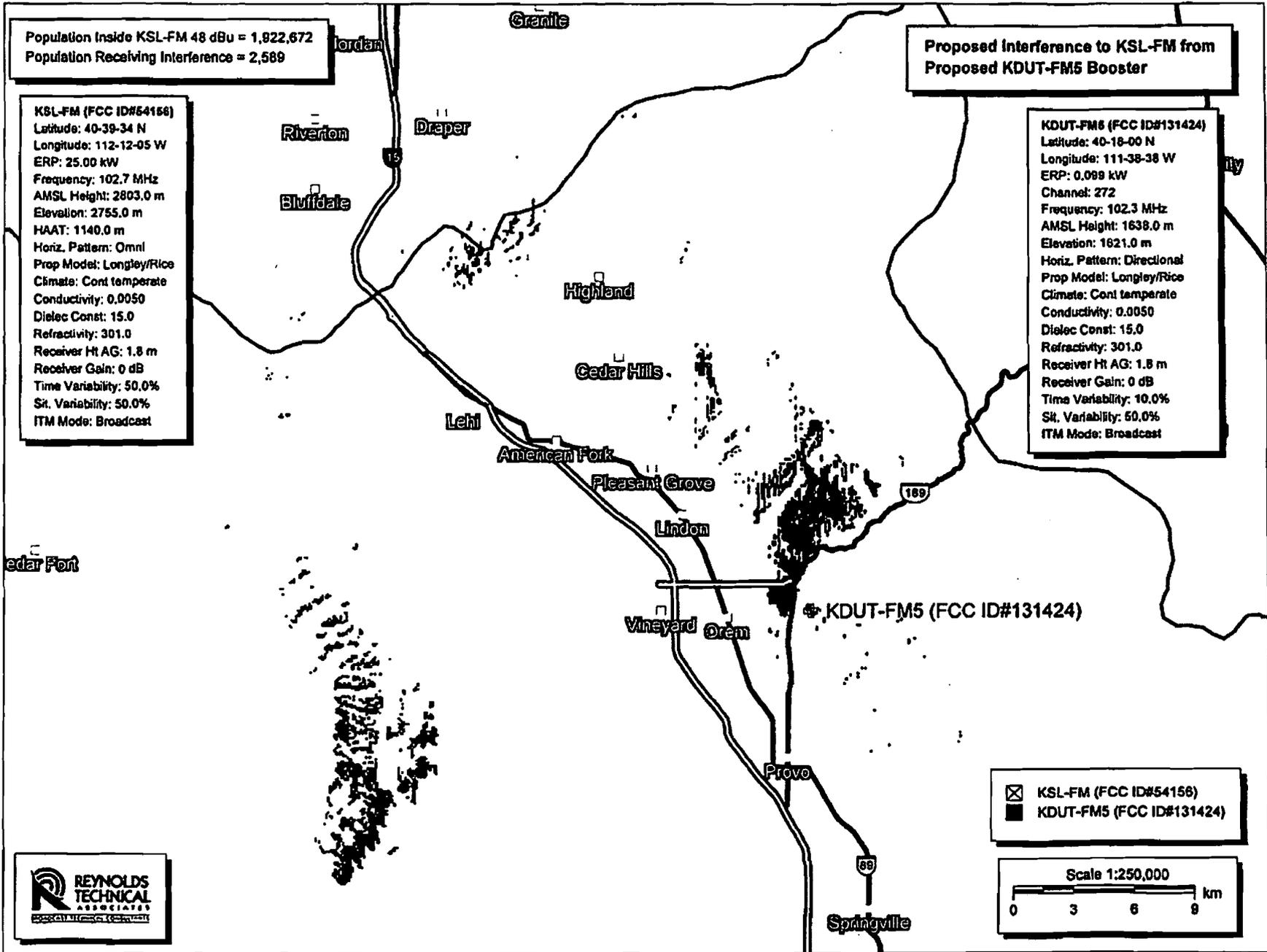
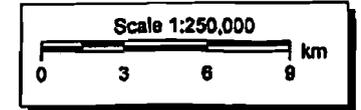
Population Inside KSL-FM 48 dBu = 1,822,672  
Population Receiving Interference = 2,589

**KSL-FM (FCC ID#54156)**  
Latitude: 40-39-34 N  
Longitude: 112-12-05 W  
ERP: 25.00 kW  
Frequency: 102.7 MHz  
AMSL Height: 2803.0 m  
Elevation: 2755.0 m  
HAAT: 1140.0 m  
Horiz. Pattern: Omni  
Prop Model: Longley/Rice  
Climate: Cont temperate  
Conductivity: 0.0050  
Dielec Const: 15.0  
Refractivity: 301.0  
Receiver Ht AG: 1.8 m  
Receiver Gain: 0 dB  
Time Variability: 50.0%  
St. Variability: 50.0%  
ITM Mode: Broadcast

**Proposed Interference to KSL-FM from  
Proposed KDUT-FM5 Booster**

**KDUT-FM5 (FCC ID#131424)**  
Latitude: 40-18-00 N  
Longitude: 111-38-38 W  
ERP: 0.089 kW  
Channel: 272  
Frequency: 102.3 MHz  
AMSL Height: 1638.0 m  
Elevation: 1621.0 m  
Horiz. Pattern: Directional  
Prop Model: Longley/Rice  
Climate: Cont temperate  
Conductivity: 0.0050  
Dielec Const: 15.0  
Refractivity: 301.0  
Receiver Ht AG: 1.8 m  
Receiver Gain: 0 dB  
Time Variability: 10.0%  
St. Variability: 50.0%  
ITM Mode: Broadcast

☒ KSL-FM (FCC ID#54156)  
■ KDUT-FM5 (FCC ID#131424)



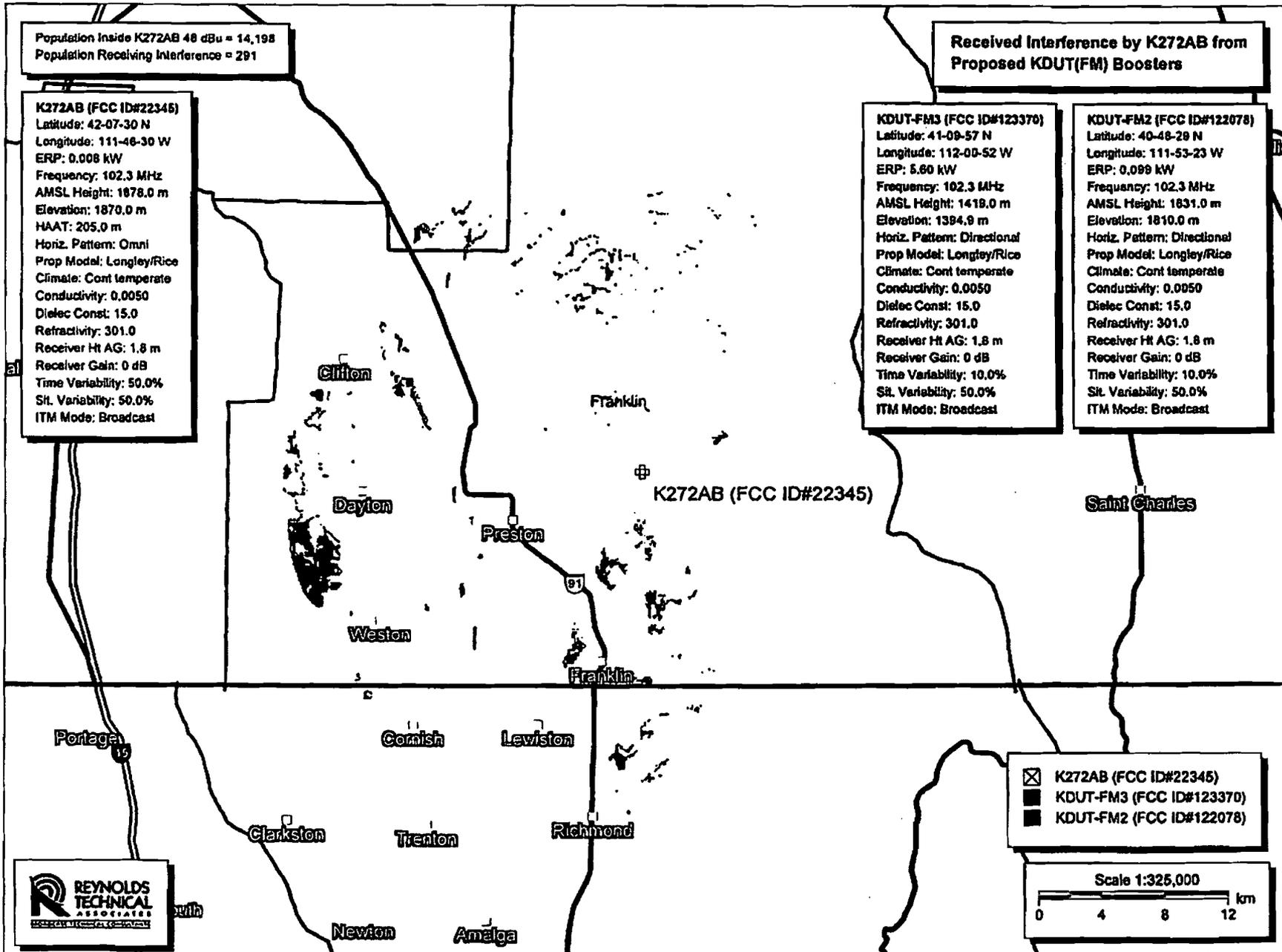
Population Inside K272AB 48 dBu = 14,198  
 Population Receiving Interference = 291

Received Interference by K272AB from  
 Proposed KDUT(FM) Boosters

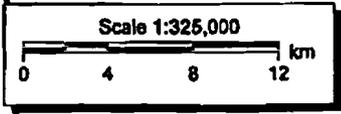
**K272AB (FCC ID#22345)**  
 Latitude: 42-07-30 N  
 Longitude: 111-46-30 W  
 ERP: 0.008 kW  
 Frequency: 102.3 MHz  
 AMSL Height: 1876.0 m  
 HAAT: 205.0 m  
 Horiz. Pattern: Omni  
 Prop Model: Longley/Rice  
 Climate: Cont temperate  
 Conductivity: 0.0050  
 Dielec Const: 15.0  
 Refractivity: 301.0  
 Receiver Ht AG: 1.8 m  
 Receiver Gain: 0 dB  
 Time Variability: 50.0%  
 St. Variability: 50.0%  
 ITM Mode: Broadcast

**KDUT-FM3 (FCC ID#123370)**  
 Latitude: 41-09-57 N  
 Longitude: 112-00-52 W  
 ERP: 5.60 kW  
 Frequency: 102.3 MHz  
 AMSL Height: 1419.0 m  
 Elevation: 1394.9 m  
 Horiz. Pattern: Directional  
 Prop Model: Longley/Rice  
 Climate: Cont temperate  
 Conductivity: 0.0050  
 Dielec Const: 15.0  
 Refractivity: 301.0  
 Receiver Ht AG: 1.8 m  
 Receiver Gain: 0 dB  
 Time Variability: 10.0%  
 St. Variability: 50.0%  
 ITM Mode: Broadcast

**KDUT-FM2 (FCC ID#122078)**  
 Latitude: 40-48-29 N  
 Longitude: 111-53-23 W  
 ERP: 0.099 kW  
 Frequency: 102.3 MHz  
 AMSL Height: 1631.0 m  
 Elevation: 1610.0 m  
 Horiz. Pattern: Directional  
 Prop Model: Longley/Rice  
 Climate: Cont temperate  
 Conductivity: 0.0050  
 Dielec Const: 15.0  
 Refractivity: 301.0  
 Receiver Ht AG: 1.8 m  
 Receiver Gain: 0 dB  
 Time Variability: 10.0%  
 St. Variability: 50.0%  
 ITM Mode: Broadcast



☒ K272AB (FCC ID#22345)  
 ■ KDUT-FM3 (FCC ID#123370)  
 ■ KDUT-FM2 (FCC ID#122078)

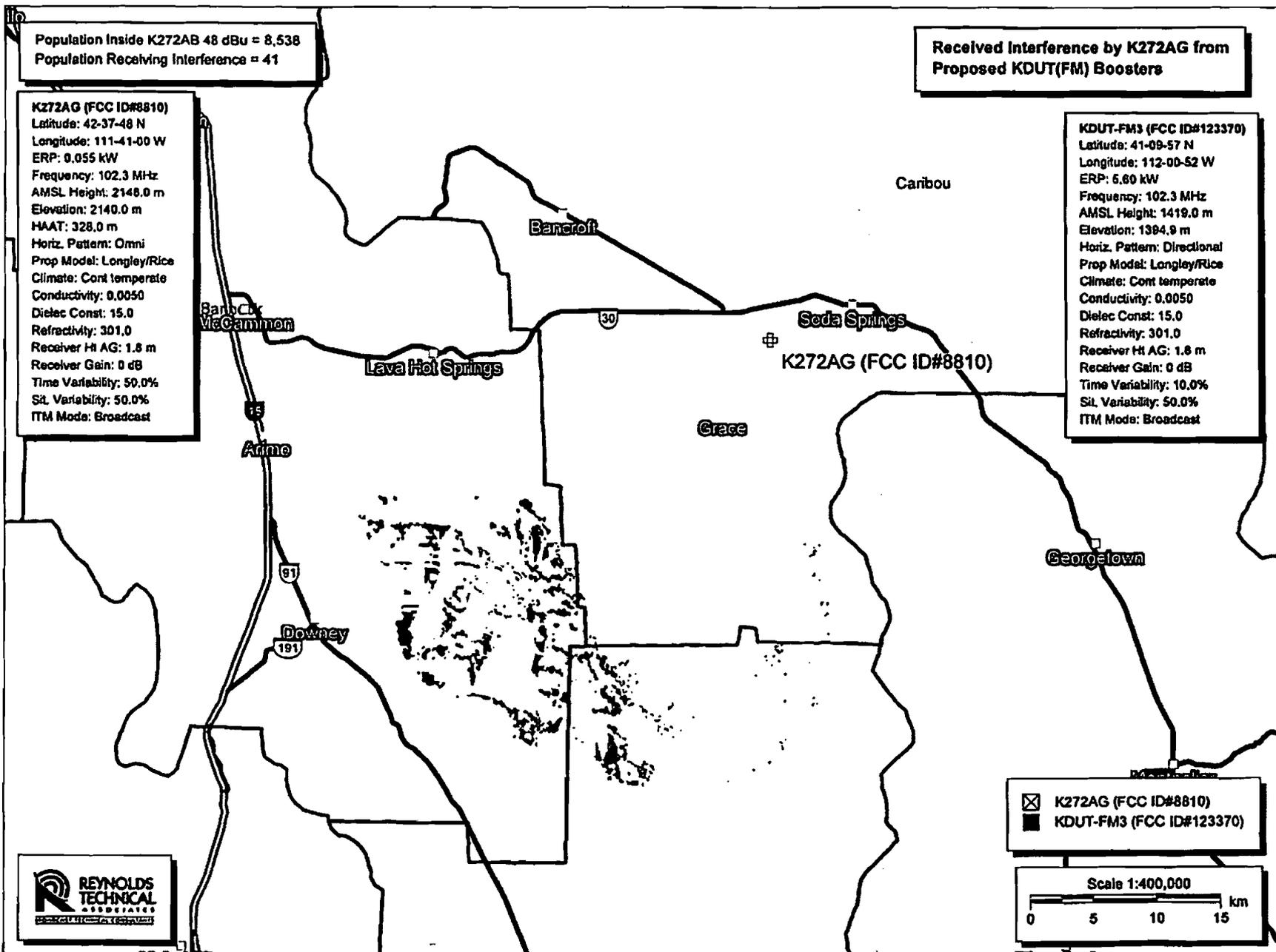


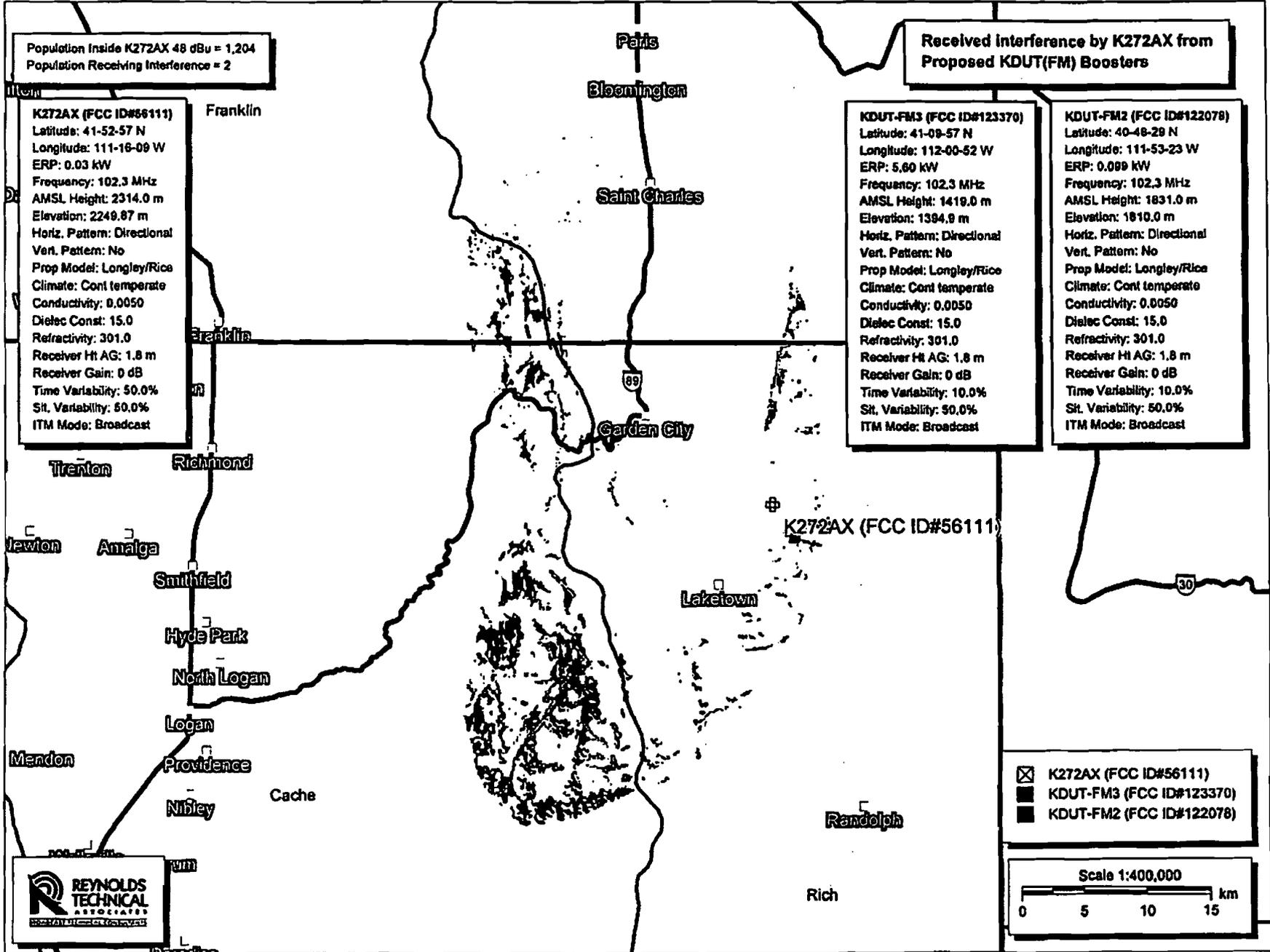
Population Inside K272AB 48 dBu = 8,538  
Population Receiving Interference = 41

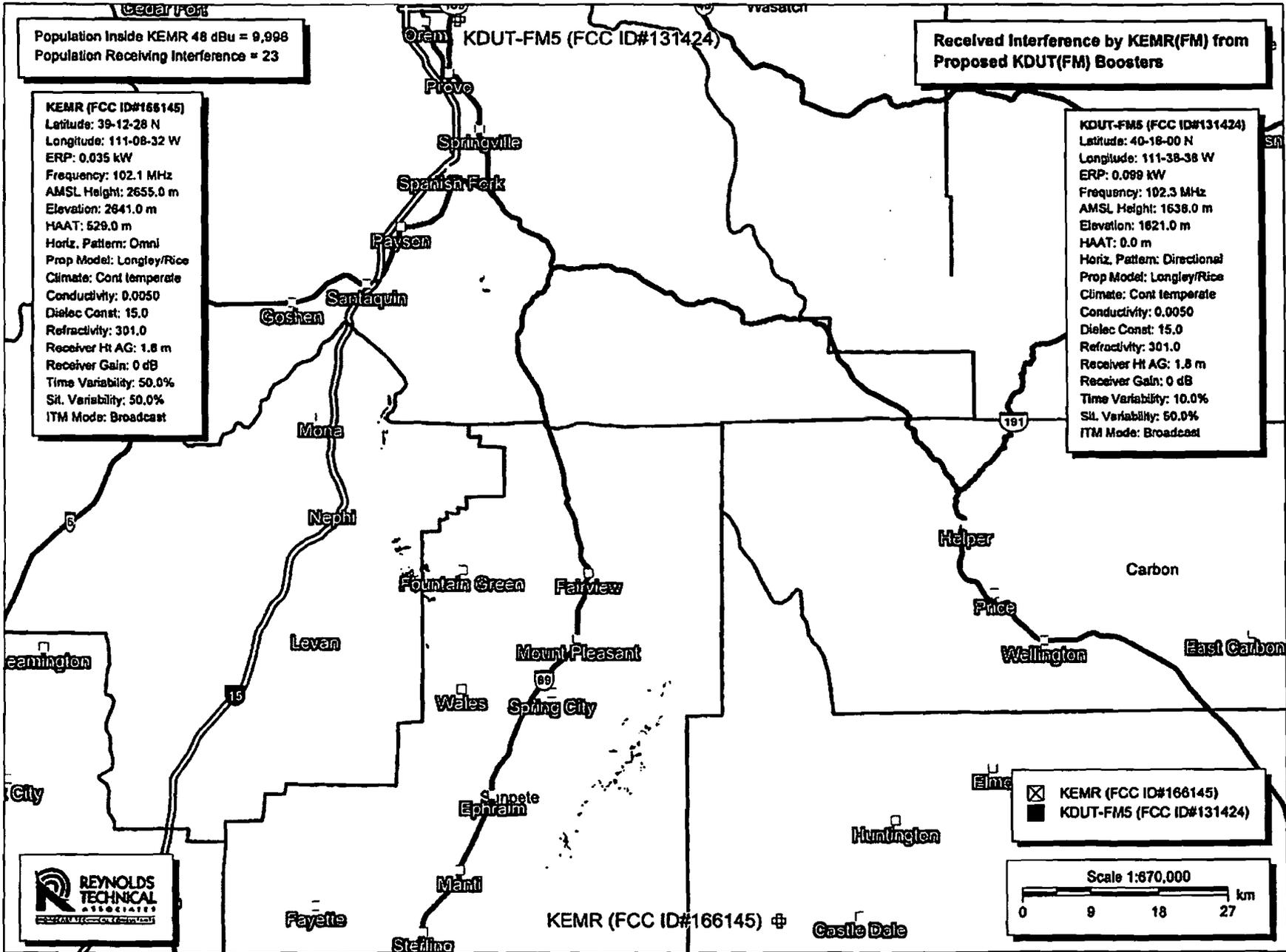
Received Interference by K272AG from  
Proposed KDUT(FM) Boosters

**K272AG (FCC ID#8810)**  
Latitude: 42-37-48 N  
Longitude: 111-41-00 W  
ERP: 0.055 kW  
Frequency: 102.3 MHz  
AMSL Height: 2148.0 m  
Elevation: 2140.0 m  
HAAT: 328.0 m  
Horiz. Pattern: Omni  
Prop Model: Longley/Rice  
Climate: Cont temperate  
Conductivity: 0.0050  
Dielec Const: 15.0  
Refractivity: 301.0  
Receiver Ht AG: 1.8 m  
Receiver Gain: 0 dB  
Time Variability: 50.0%  
St. Variability: 50.0%  
ITM Mode: Broadcast

**KDUT-FM3 (FCC ID#123370)**  
Latitude: 41-09-57 N  
Longitude: 112-00-52 W  
ERP: 6.60 kW  
Frequency: 102.3 MHz  
AMSL Height: 1419.0 m  
Elevation: 1394.9 m  
Horiz. Pattern: Directional  
Prop Model: Longley/Rice  
Climate: Cont temperate  
Conductivity: 0.0050  
Dielec Const: 15.0  
Refractivity: 301.0  
Receiver Ht AG: 1.8 m  
Receiver Gain: 0 dB  
Time Variability: 10.0%  
St. Variability: 50.0%  
ITM Mode: Broadcast







Population Inside KEMR 48 dBu = 9,998  
 Population Receiving Interference = 23

Received Interference by KEMR(FM) from  
 Proposed KDUT(FM) Boosters

**KEMR (FCC ID#166145)**  
 Latitude: 39-12-28 N  
 Longitude: 111-08-32 W  
 ERP: 0.035 kW  
 Frequency: 102.1 MHz  
 AMSL Height: 2655.0 m  
 Elevation: 2641.0 m  
 HAAT: 529.0 m  
 Horiz. Pattern: Omni  
 Prop Model: Longley/Rice  
 Climate: Cont temperate  
 Conductivity: 0.0050  
 Dielec Const: 15.0  
 Refractivity: 301.0  
 Receiver Ht AG: 1.8 m  
 Receiver Gain: 0 dB  
 Time Variability: 50.0%  
 Sil. Variability: 50.0%  
 ITM Mode: Broadcast

**KDUT-FM5 (FCC ID#131424)**  
 Latitude: 40-18-00 N  
 Longitude: 111-38-38 W  
 ERP: 0.089 kW  
 Frequency: 102.3 MHz  
 AMSL Height: 1638.0 m  
 Elevation: 1621.0 m  
 HAAT: 0.0 m  
 Horiz. Pattern: Directional  
 Prop Model: Longley/Rice  
 Climate: Cont temperate  
 Conductivity: 0.0050  
 Dielec Const: 15.0  
 Refractivity: 301.0  
 Receiver Ht AG: 1.8 m  
 Receiver Gain: 0 dB  
 Time Variability: 10.0%  
 Sil. Variability: 50.0%  
 ITM Mode: Broadcast

☒ KEMR (FCC ID#166145)  
 ■ KDUT-FM5 (FCC ID#131424)

Scale 1:670,000  
 0 9 18 27 km



KEMR (FCC ID#166145) ☒

## EXHIBIT B

### Population within KDUT-FM3 Contour (Ogden)

Brigham City (18,709)  
Mantua (756)  
Perry (3,889)  
Willard (1,747)  
South Willard\* (586)  
North Ogden (17,682)  
Pleasant View (7,052)  
Plain City (5,288)  
Farr West (5,335)  
Marriott-Slaterville (1,537)  
Ogden (82,865)  
Huntsville (653)  
West Haven (8,357)  
Riverdale (8,126)  
Roy (35,672)  
Hooper\* (5,665)  
South Ogden (15,891)  
South Weber (6,167)  
Sunset (4,945)  
Clinton (19,855)  
Clearfield (27,851)  
West Point (9,001)  
Syracuse (22,195)  
Layton (65,514)

(\* Denotes CDP)

## EXHIBIT C

### Population within KDUT-FM2 Contour (Salt Lake City)

Farmington (17,217)  
Centerville (15,270)  
West Bountiful (5,337)  
Bountiful (44,473)  
Woods Cross (8,705)  
North Salt Lake (13,446)  
Salt Lake City (181,698)  
Magna\* (22,770)  
West Valley City (123,447)  
Canyon Rim\* (10,428)  
South Salt Lake (21,607)  
Millcreek\* (30,377)  
East Millcreek\* (21,385)  
Mount Olympus\* (7,103)  
Taylorsville (58,785)  
Kearns\* (33,659)  
Murray (46,201)  
Oquirrh\* (10,390)  
Cottonwood West\* (18,727)  
Holladay (25,676)  
Midvale (28,129)  
Cottonwood Heights\* (35,418)  
Little Cottonwood Creek Valley\* (7,221)  
Sandy (96,660)  
West Jordan (104,447)  
South Jordan (51,131)  
Herriman (17,689)  
Riverton (39,751)  
Bluffdale (8,016)  
Draper (42,317)  
Alpine (9,885)  
Highland (16,189)  
Lehi (46,802)

(\* Denotes CDP)

**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

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

### **Salt Lake City booster**

Total Population: 983,981

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

### **Provo booster**

Total Population: 308,005

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

ATTACHMENT B

**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.

---

<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 stroke at the end.

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 C

HARRY F. COLE  
ANNE GOODWIN CRUMP  
PAUL J. FELDMAN  
JEFFREY J. GEE  
CHRISTINE GOEPP\*  
KEVIN M. GOLDBERG  
FRANK R. JAZZO  
M. SCOTT JOHNSON  
DANIEL A. KIRKPATRICK  
MITCHELL LAZARUS  
STEPHEN T. LOVELADY\*  
SUSAN A. MARSHALL  
HARRY C. MARTIN  
MICHELLE A. McCLURE  
MATTHEW H. McCORMICK  
FRANCISCO R. MONTERO  
LEE G. PETRO\*  
RAYMOND J. QUIANZON  
JAMES P. RILEY  
DAVINA SASHKIN  
PETER TANNENWALD  
KATHLEEN VICTORY  
HOWARD M. WEISS

FLETCHER, HEALD & HILDRETH, P.L.C.

ATTORNEYS AT LAW  
11th FLOOR, 1300 NORTH 17th STREET  
ARLINGTON, VIRGINIA 22209

OFFICE: (703) 812-0400  
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RETIRED MEMBERS  
VINCENT J. CURTIS, JR.  
RICHARD HILDRETH  
GEORGE PETRUTSAS

OF COUNSEL  
ALAN C. CAMPBELL  
THOMAS J. DOUGHERTY, JR.  
DONALD J. EVANS  
ROBERT M. GURSS\*  
RICHARD F. SWIFT

WRITER'S DIRECT  
(703) 812-0480  
MONTERO@FHHLAW.COM

May 26, 2010

\* NOT ADMITTED IN VIRGINIA

**VIA HAND DELIVERY**

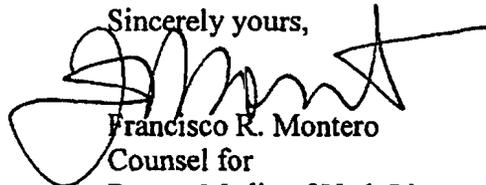
Marlene H. Dortch  
Secretary  
Federal Communications Commission  
Portals II - 12<sup>th</sup> Street Lobby  
Filing Counter - TW - A325  
445 12<sup>th</sup> Street, S.W.  
Washington, DC 20554

Re: Bustos Media of Utah License, LLC  
KDUT(FM), Randolph, Utah  
Facility ID No.: 88272  
Application for Experimental Authorization

Dear Ms. Dortch:

On March 29, 2010, the Commission granted Bustos Media of Utah License, LLC ("BMU") an Experimental Authorization with respect to the above-referenced facility (copy attached). That authorization expires on May 29, 2010. BMU respectfully requests an additional 60 days to complete the experimental broadcasts which were the subject of the March 9, 2010 request. The additional time is necessitated since BMU has been advised by Lazer Spots, LLC (formerly Geo Spots, LLC) that there has been a delay in getting the equipment utilized to conduct the tests. The additional time requested would be consistent with the amount of time originally granted by the Commission. If you have any questions with respect to this matter, please communicate with the undersigned.

Sincerely yours,



Francisco R. Montero  
Counsel for  
Bustos Media of Utah License, LLC

cc: Norm Miller, via e-mail  
Aaron P. Shainis, counsel for Lazer Spots, LLC

**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.

---

<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,



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 D

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)

June 3, 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 filed May 26, 2010, for extension of the Experimental Authorization granted to Bustos Media of Utah License, LLC ("BMU"), on March 29, 2010. In support of the request, BMU states that it has experienced delays in the delivery of the equipment necessary to conduct the planned tests. Our review indicates that good cause has been shown for grant of the requested extension.

Accordingly, the Experimental Authorization granted to Bustos Media of Utah License, LLC, on March 29, 2010, IS HEREBY EXTENDED through August 3, 2010. All other terms of the original authorization remain unchanged.

Sincerely,



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 D**

# Shainis & Peltzman, Chartered

Counselors at Law

Aaron H. Shainis  
aaron@s-plaw.com

Lee J. Peltzman  
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Suite 240  
1850 M Street, N.W.  
Washington, D.C. 20036

(202) 293-0011  
Fax (202) 293-0810  
e-mail: shainispeltzman@s-plaw.com

July 19, 2011

Special Counsel  
Stephen C. Tackar  
steve@s-plaw.com

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

Robert J. Keller  
bob@s-plaw.com

## VIA HAND DELIVERY

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

FILED/ACCEPTED

JUL 19 2011

Federal Communications Commission  
Office of the Secretary

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

Dear Ms. Dortch:

Cohan Radio Group, Inc. ("Cohan"), the licensee of WWOJ(FM), Facility ID No. 27199, Avon Park, Florida, by its attorney and pursuant to Section 73.1510 of the Commission's rules, requests an experimental authorization. In support, Cohan submits the following:

Cohan seeks an experimental authorization to allow it to utilize boosters (unlicensed) to originate limited programming. Specifically, attached to the instant submission are the engineering portions of FCC Form 349.<sup>1</sup> Cohan intends to build the boosters and utilize them only for the period of the experimental authorization. Once the authorization has expired, the boosters would be dismantled.

Cohan intends to simultaneously broadcast on each of the boosters different non-commercial announcements targeted to discreet audiences. Cohan intends to target the broadcasts to appeal to specific diverse audiences which are encompassed within the boosters'

<sup>1</sup> See Attachments A, B and C.

service areas. Each of the boosters in question will concurrently broadcast a different non-commercial message.

#### Methodology

The broadcasts shall be done over a sixty (60) day period.<sup>2</sup> Broadcasts will be done between the hours of 9:00 a.m. and 3:00 p.m. and 7:00 p.m. and 5:00 a.m. It is anticipated that no more than four (4) non-commercial announcements shall be broadcast on each of the boosters in a given hour. The announcements will be directed to the specific needs and interests of the areas served by the respective booster in question.

The broadcasts shall be done at the direction and under the control of Cohan. Cohan is utilizing the services of Lazer Spots, LLC ("Lazer") (formerly GEO Spots, LLC), to assist it in this endeavor. In this regard, the placement of the announcements shall be done using a master control device. Lazer Spots will be employing proprietary technology (patent pending), which will allow different announcements to be placed on each of the boosters in a synchronized time sequence.

#### Technical Operation

During the broadcasts, no changes to the authorized facilities are contemplated. The boosters and the primary station will broadcast consistent with their authorizations.

#### Public Interest Considerations

On March 9, 2010, Bustos Media of Utah License, LLC ("Bustos") requested a similar experimental authorization (Attachment D) for boosters associated with KDUT(FM), Facility ID No. 88272, Randolph, Utah. Specifically, KDUT-FM2, KDUT-FM3 and KDUT-FM5. On March 29, 2010, the Commission granted the experimental authorization (Attachment E).

---

<sup>2</sup> It is requested that the sixty (60) day period commence when construction of the boosters has been completed and the Commission is so notified.

The instant authorization would allow for testing in more challenging terrain. It is submitted that, similar to the Bustos Utah authorization request, an event in a discreet area covered by a particular booster would have a specific relevance and interested independent from the service area as a whole. The grant of the authorization would allow for the testing of the technology in a non-conducive terrain.

The instant request is consistent with the Commission's focus on the future information needs of communities. See *FCC Launches Examination of the Future of Media and Information Needs of Communities in the Digital Age*, DA-10-100, released January 21, 2010.

Cohan shall, within thirty (30) days of termination of the experimental authorization, submit a report of the results of the experimental operation. See Section 73.1510(d) of the Commission's rules. That report shall specifically address the extent of any interference presented by the simultaneous operation of the boosters when different broadcasts are being concurrently done.

It is submitted that good cause exists for issuance of the experimental authorization as the instant request satisfies all of the criteria enumerated in Section 73.1510 of the Commission's rules.

Neither Cohan nor any of its principals is subject to denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 USC Section 862.

Respectfully submitted,

COHAN RADIO GROUP, INC.  
By:   
Aaron P. Shainis  
Shainis & Peltzman, Chartered  
Its counsel

cc: Norm Miller  
James Bradshaw

ATTACHMENT A

W. JEFFREY REYNOLDS		TECHNICAL CONSULTANT	
Signature		Date 7/13/2011	
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

<b>Section III-A - Engineering</b>											
<b>TECHNICAL SPECIFICATIONS</b>											
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.											
<b>TECH BOX</b>											
1. Channel: 256											
2. Primary Station:											
Facility ID Number			Call Sign			City			State		
27199			WVOJ			AVON PARK			FL		
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 27 Minutes 21 Seconds 59 <input checked="" type="radio"/> North <input type="radio"/> South											
Longitude:											
Degrees 81 Minutes 47 Seconds 52 <input checked="" type="radio"/> West <input type="radio"/> East											
5. Antenna Structure Registration Number: 1028566											
<input type="checkbox"/> Not Applicable <input type="checkbox"/> 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 <a href="http://licensing.fcc.gov/prod/cdbs/pubacc/prod/cdbs_pa.htm">CDBS Public Access (http://licensing.fcc.gov/prod/cdbs/pubacc/prod/cdbs_pa.htm)</a> . 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 type="radio"/> Nondirectional <input type="radio"/> Directional "Off-the-shelf" <input checked="" type="radio"/> Directional composite											
Manufacturer ALD Model LOG PERIODIC ARRAY											
Rotation: 137degrees <input type="checkbox"/> No Rotation											
Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	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. **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

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 10]  
See Explanation in [Exhibit 11]

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

**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.**

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]

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]

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 Only** ( used to select among mutually exclusive applications for new stations and amendments received any additional points for amendments made after the close of the applicati

**Preliminary Matter:** Does this application provide fill-in service only?

1. **Established Local Applicant:** Applicant certifies that for at least the 24 months immed application, and continuing through the present, it qualifies as a local applicant pursuant to Section 73.7000, that its governing documents require that such localism be maintained, and placed documentation of its qualifications as an established local applicant in a local public insp and has submitted to the Commission copies of the documentation.
2. **Diversity of Ownership:** 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.
3. **State-wide Network:** 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.
4. **Technical Parameters:** 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)

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:

5. **Existing Authorizations.** 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. **Pending Applications.** 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

**Exhibits**

**Exhibit 11**

Description: SEE EXHBIT 17

**Attachment 11**

**Exhibit 12**

Description: SEE EXHBIT 17

**Attachment 12**

**Exhibit 13**

Description: SEE EXHBIT 17

**Attachment 13**

**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.

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 FIGURE 3 ATTACHED). THE CALCULATED POWER DENSITY AT A POINT 2 METERS ABOVE GROUND LEVEL IS 0.0004 MW/CM2. THIS IS 0.2% OF THE FCC'S RECOMMENDED LIMIT OF 0.2 MW/CM2 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.

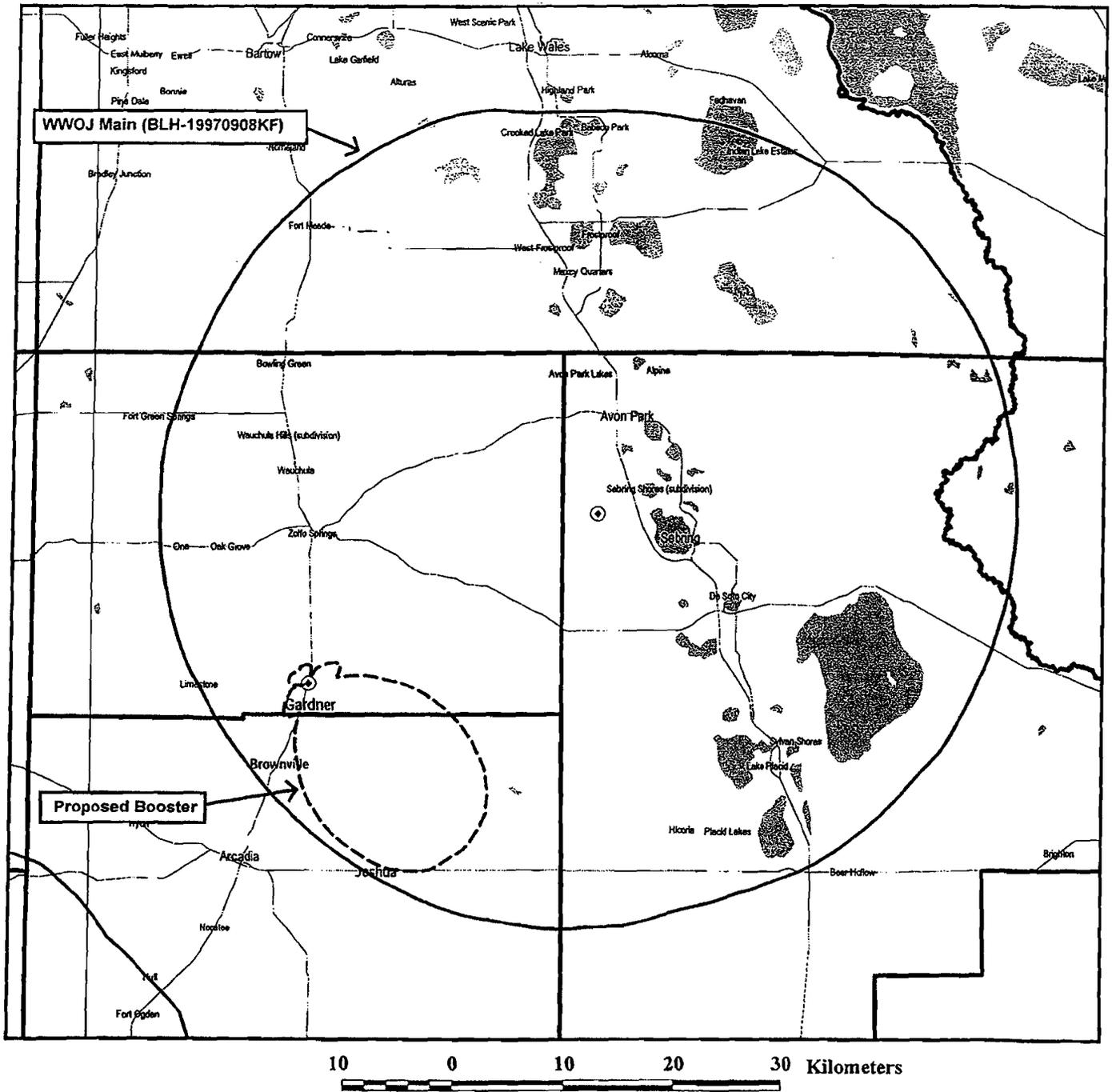
---

**Attachment 17**

Description
FIGURES - GARDNER BOOSTER

---

Figure 1

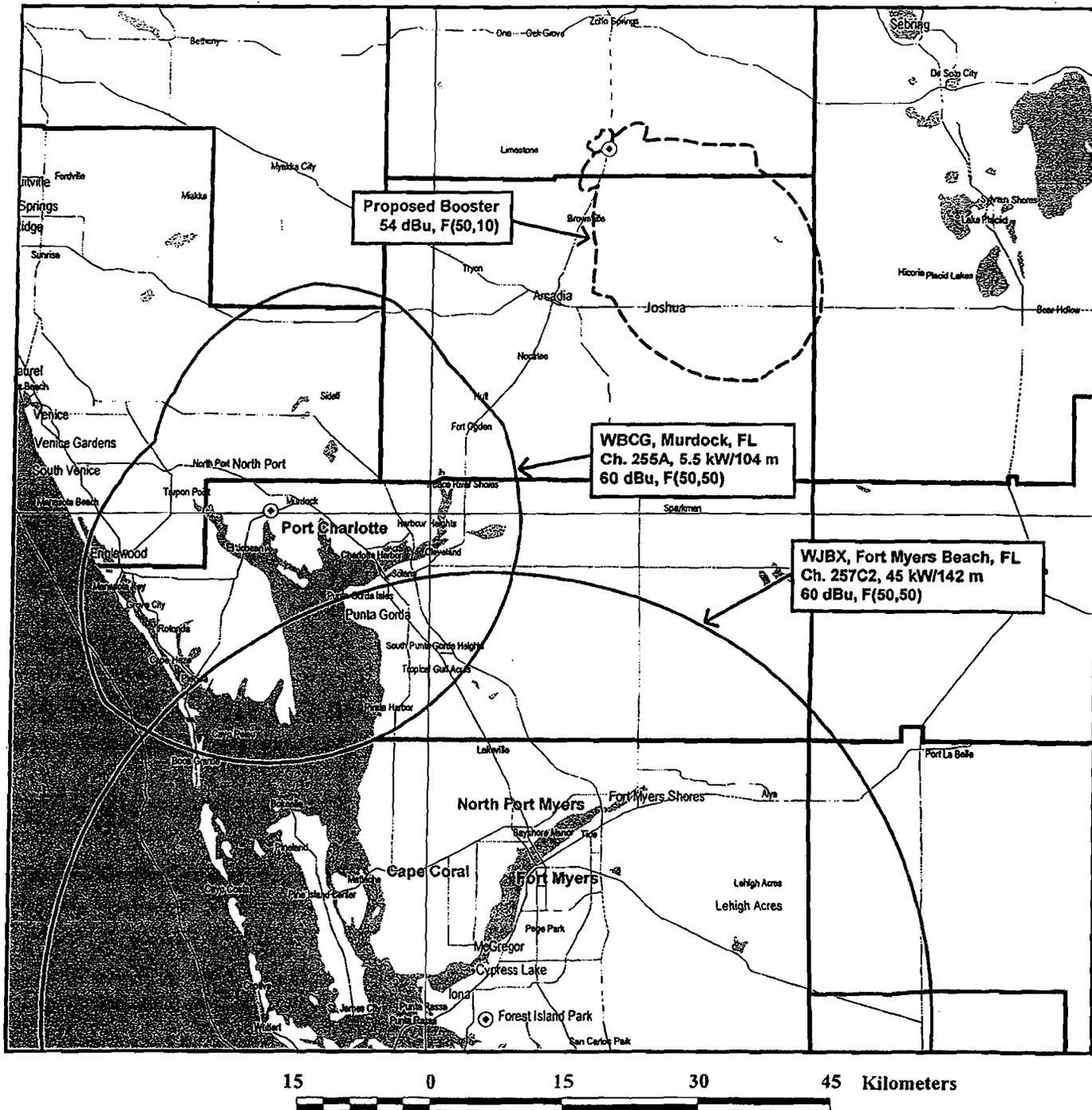


**MAIN AND BOOSTER 60 DBU CONTOURS**

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

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

Figure 2



**COMPLIANCE WITH SECTION 74.1204**

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

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

Figure 3

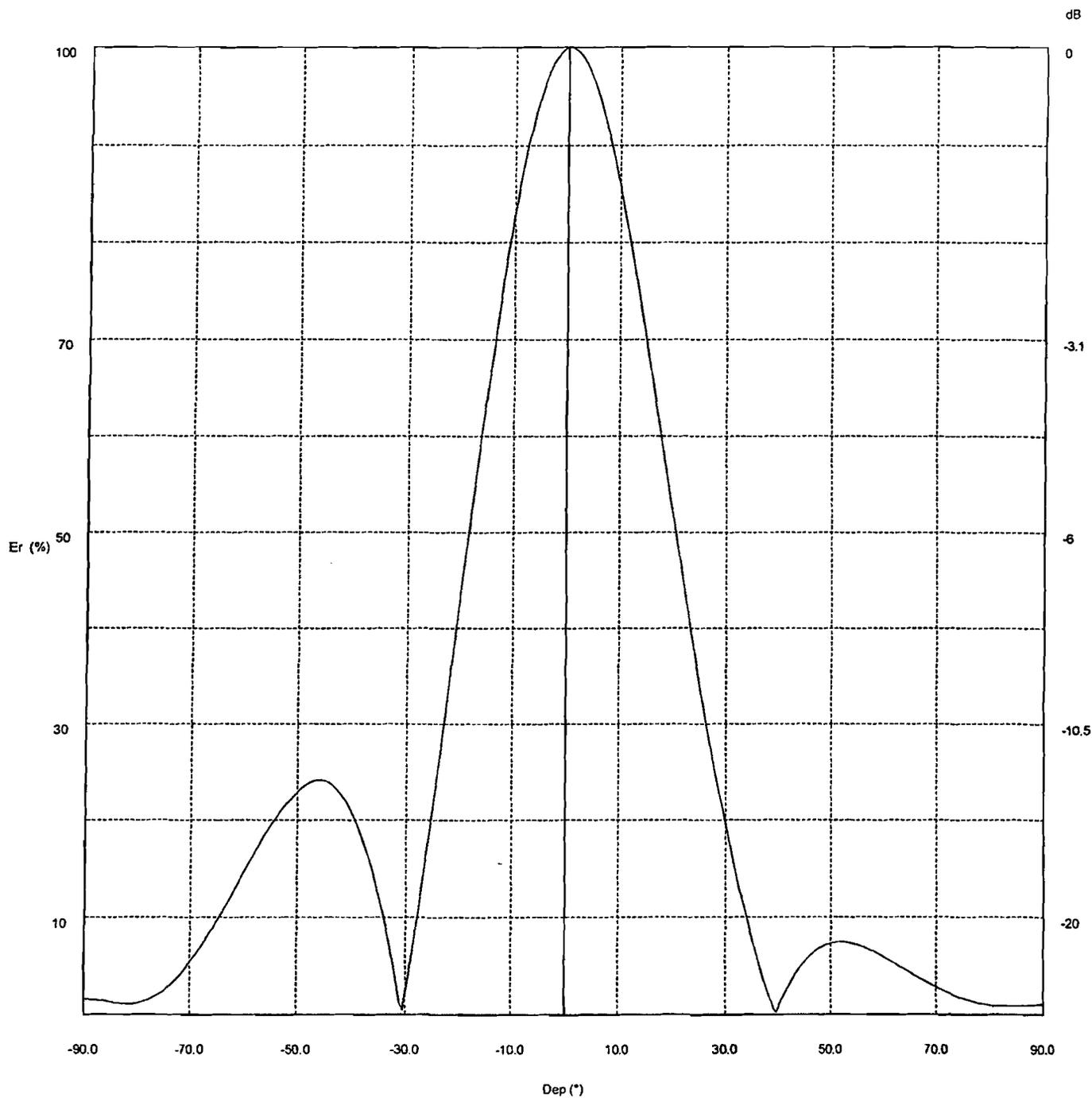
TX station: 05ov2011 Lazer Spots Project

Frequency: 99.10 MHz

Gain solid integration : enabled

Site Name: Heartland Broadcasting Corp

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

ATTACHMENT B

W. JEFFREY REYNOLDS		TECHNICAL CONSULTANT	
Signature		Date 7/13/2011	
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 12 Seconds 40  North  South

Longitude:  
Degrees 81 Minutes 40 Seconds 30  West  East

5. Antenna Structure Registration Number: 1208800  
 Not Applicable  Notification filed with FAA

6. Antenna Location Site Elevation Above Mean Sea Level: 24 meters

7. Overall Tower Height Above Ground Level: 80 meters

8. Height of Radiation Center Above Ground Level: meters(H) 55 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 LOG PERIODIC ARRAY  
 Rotation: 348degrees  No Rotation

Degrees	Value										
0	1	10	0.938	20	0.766	30	0.529	40	0.296	50	0.119
70	0.017	80	0.023	90	0.027	100	0.018	110	0.01	120	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 Exhibit is required.</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.

<b>Preliminary Matter: Does this application provide fill-in service only?</b>		<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

ertify 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

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### 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.

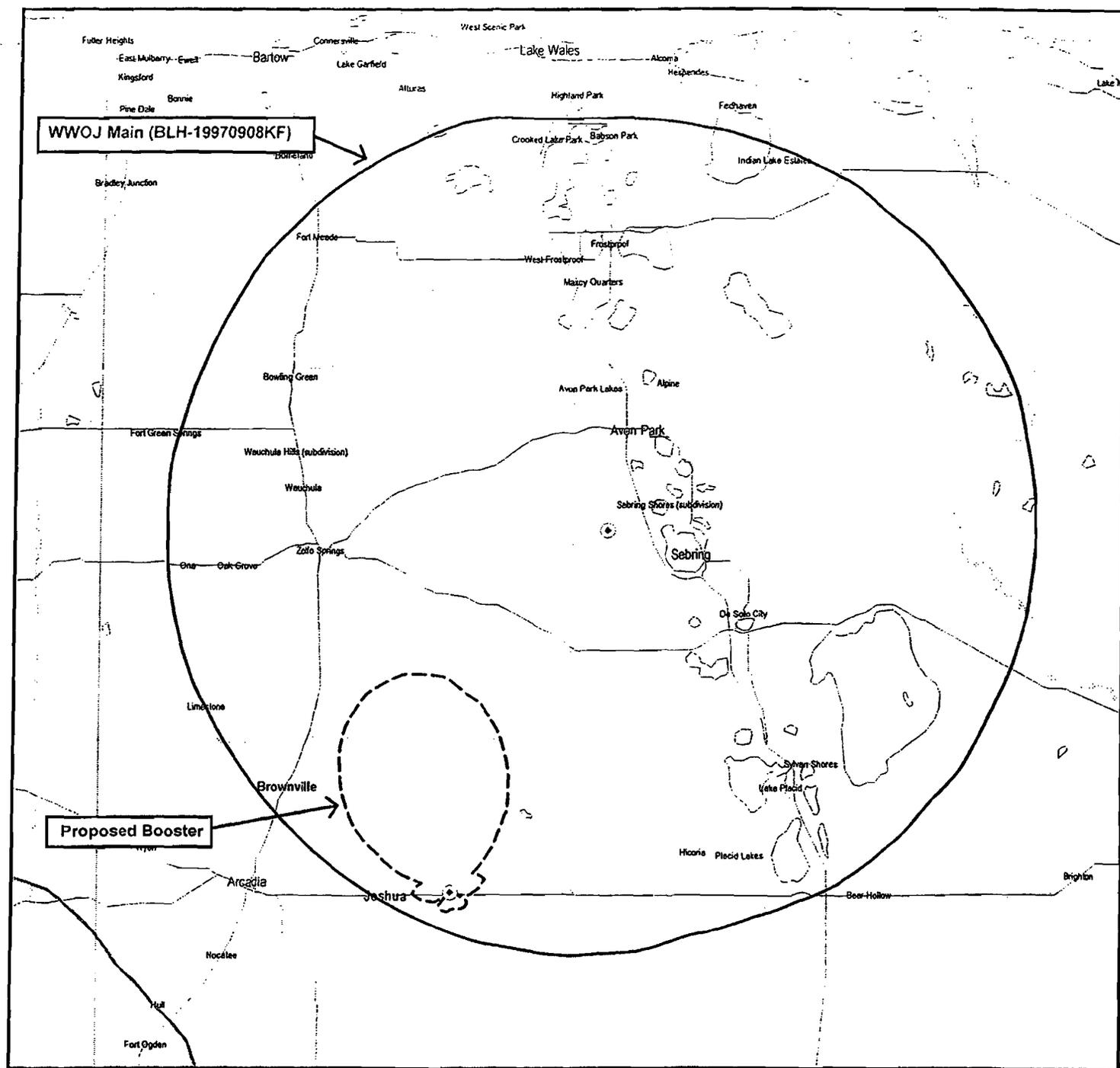
RFR COMPLIANCE - THE PROPOSED FACILITIES WERE EVALUATED IN TERMS OF POTENTIAL RADIO FREQUENCY (RF) ENERGY EXPOSURE AT GROUND LEVEL TO WORKERS AND THE GENERAL PUBLIC. THE RADIATION CENTER FOR THE PROPOSED BOOSTER ANTENNA IS LOCATED 55 METERS ABOVE GROUND LEVEL ON THE EXISTING TOWER. THE MAXIMUM ERP IS 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 FIGURE 3 ATTACHED). THE CALCULATED POWER DENSITY AT A POINT 2 METERS ABOVE GROUND LEVEL IS 0.0006 MW/CM<sup>2</sup>. THIS IS 0.3% 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.

**Attachment 17**

<b>Description</b>
<b>FIGURES - BROWNSVILLE BOOSTER</b>

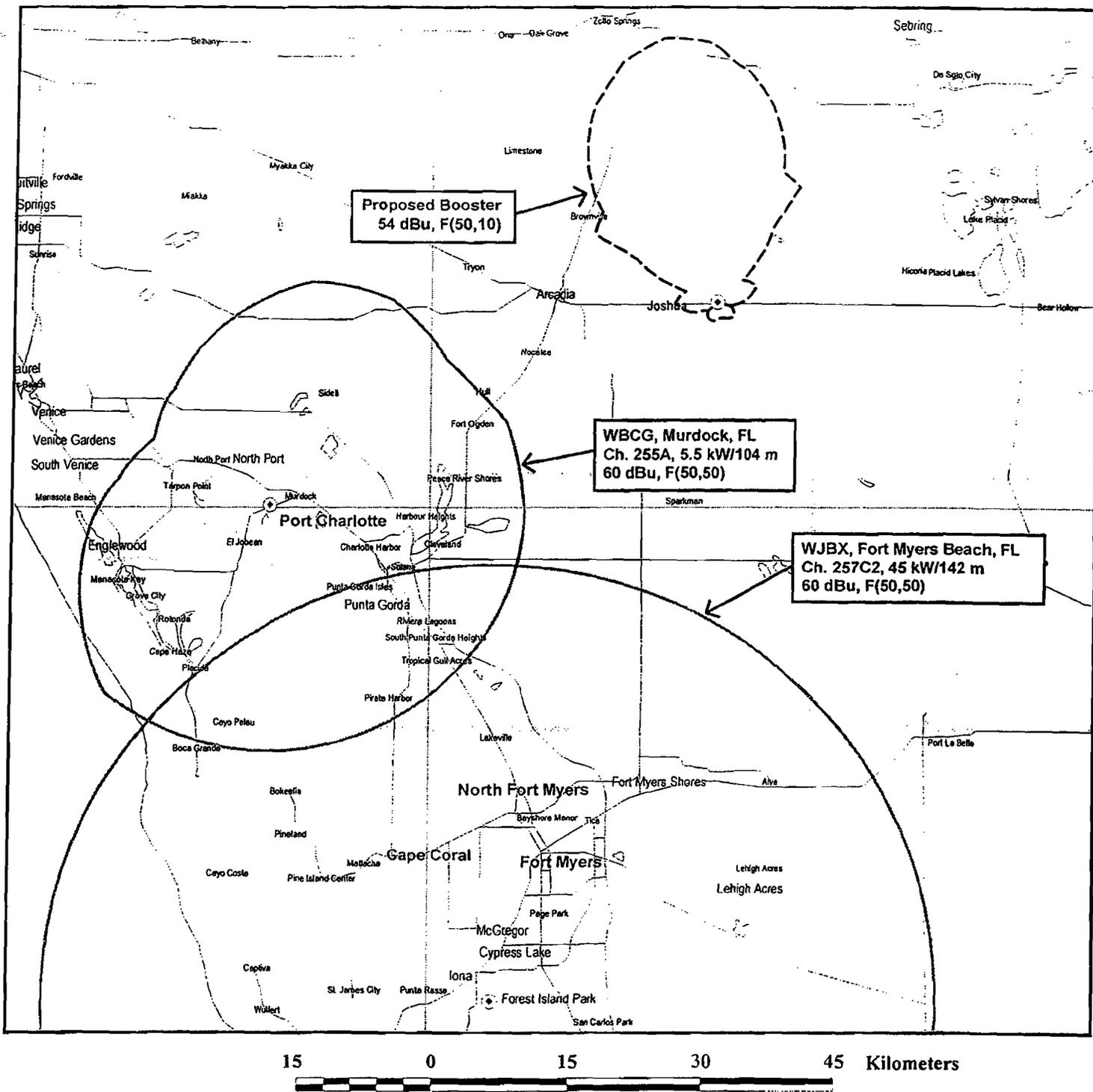


**MAIN AND BOOSTER 60 DBU CONTOURS**

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

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

Figure 2

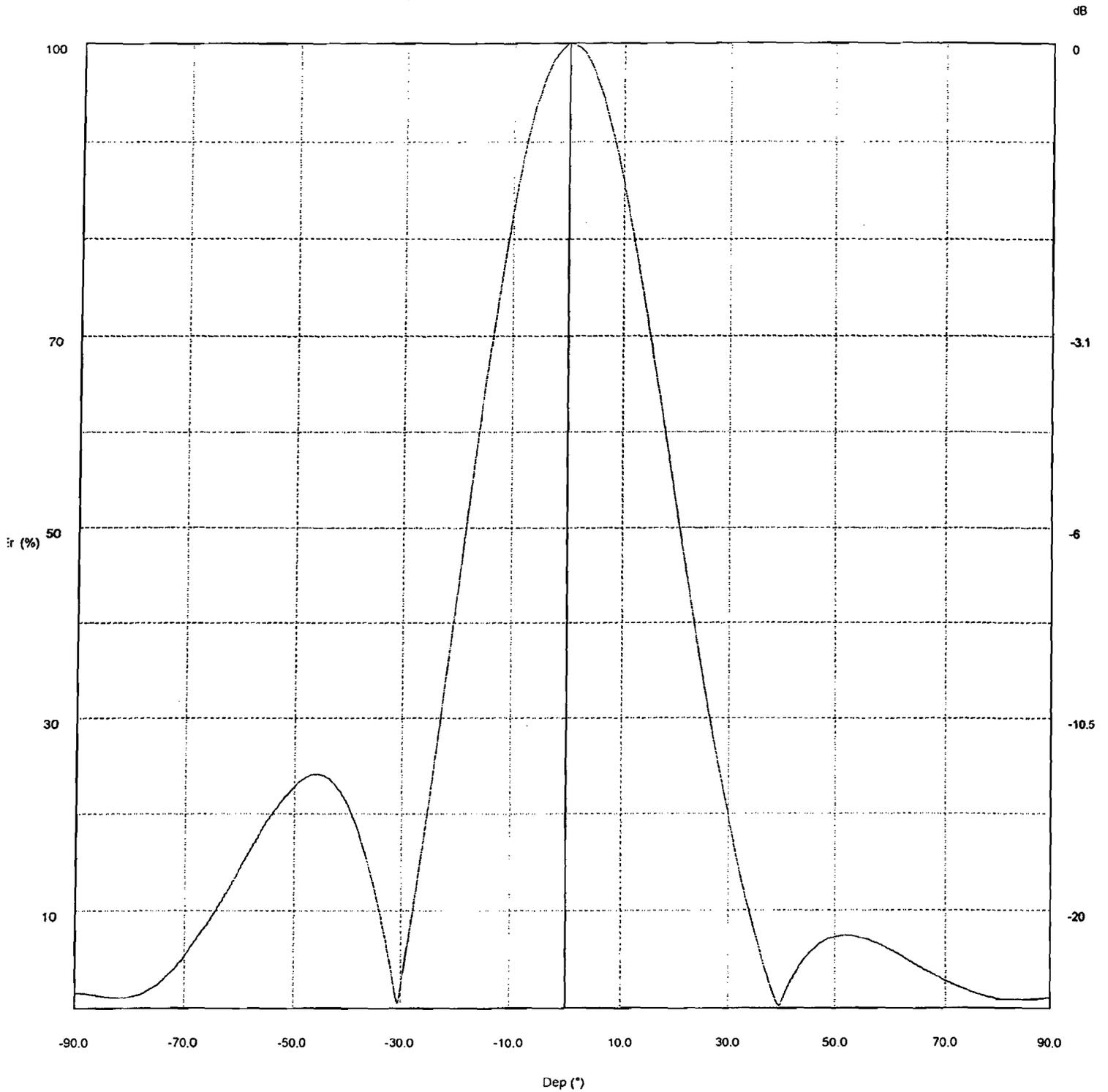


**COMPLIANCE WITH SECTION 74.1204**

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

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

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

ATTACHMENT C