

**APPLICATION FOR MINOR MODIFICATION  
TO A CONSTRUCTION PERMIT  
FCC FILE BPED-20011211AAZ  
FM BROADCAST STATION WLRN-FM  
CHANNEL 217C1 ERP 46.8 KW  
H AND V POLARIZED AT 285 M AAT  
THE SCHOOL BOARD OF MIAMI - DADE  
COUNTY, FLORIDA  
MIAMI, FLORIDA**

**KESSLER & GEHMAN ASSOCIATES, INC.**  
TELECOMMUNICATIONS CONSULTING ENGINEERS

20030805

*Prepared by Ryan Wilhour*

**KG&A**

507 N.W. 60th Street, Suite C  
Gainesville, Florida 32607

TECHNICAL STATEMENT OF RYAN WILHOUR OF THE FIRM OF  
KESSLER AND GEHMAN ASSOCIATES, INC., CONSULTING ENGINEERS  
IN CONNECTION WITH AN APPLICATION FOR MINOR MODIFICATION TO FCC  
FILE NUMBER BPED-20011211AAZ FOR AN FM BROADCAST STATION WLRN-FM  
CHANNEL 217C1 ERP 46.8 KW  
H AND V POLARIZED AT 285 M AAT  
THE SCHOOL BOARD OF MIAMI – DADE COUNTY, FLORIDA  
MIAMI, FLORIDA

**APPLICATION SUMMARY**

The School Board of Miami – Dade County, Florida is the applicant of a construction permit for WLRN-FM issued FCC file number BPED-20011211AAZ. Upon approval, the instant minor modification application will rotate the above referenced construction permitted broadcast antenna 3 degrees counter clockwise. No other changes are proposed.

**ATTACHED FIGURES**

The following attached figures were prepared upon execution of the engineering analysis:

- 1) Proposed engineering specifications Exhibit E1.
- 2) Elevation drawing of the antenna system Exhibit E2.
- 3) USGS topographic map showing the transmitter site Exhibit E3.
- 4) Proposed transmitting antenna specifications, and ERP dBk pattern Exhibit E4.
- 5) Map showing the proposed 1-mV/m contour Exhibit E5.
- 6) Contour protection studies as per §73.509 Exhibit E6.

- 7) Interference studies to TV channel 6 stations within 174 km of the proposed transmit site as per §73.525 Exhibit E7.
- 8) Site Survey of Broadcast and Wireless stations within 115 dBu blanketing contour Exhibit E8.
- 9) Radio Frequency Radiation Study as described in described in *OET Bulletin 65, Edition, 97-01* Exhibit E9.

### **PROPOSED SITE**

It is proposed to side mount the circularly polarized panel antenna at a center of radiation of 284.2 meters above ground on a tower as demonstrated in Exhibit E2. The FAA has not been notified of the proposed construction since the instant application does not modify the overall height of the tower. The current FCC tower registration number is 1041402. The current FAA Aeronautical Study number is 97-ASO-1831-OE.

### **AREA AND POPULATION ANALYSIS**

The area within the proposed 1 mV/m contour demonstrated in Exhibit E5 was generated by a computer which calculates and plots the distances to the contour. The population served by the proposed 1 mV/m contour was determined by using 2000 census data and a computer program which added the population of all census blocks whose centroids fall within the contour. The area and population which would be served by the proposed 1 mV/m contour are 8210.2 km<sup>2</sup> and 4,242,704 persons respectively.

### **ALLOCATION STUDIES**

#### **Non-Commercial and Commercial FM Broadcast Stations**

The terrain and distances to contours were calculated and plotted electronically using Probe II v2.96 a product of V-Soft Communications.

- Pursuant 47 C.F.R. §73.509 Regarding Contour Overlap Requirements - Exhibit E6 demonstrates that contour overlap requirements have been met to all non-commercial FM broadcast stations.
- Pursuant 47 C.F.R. §73.207 Regarding Spacing Requirements - The proposed facility meets all spacing requirements to commercial FM broadcast stations by a large margin. The closest commercial station worth mentioning for spacing issues is an application for WKLG in which is 101.5 km from the proposed station, and meets the spacing separation requirement by a margin of 67.5 km.
- Pursuant 47 C.F.R. §73.213(a) Regarding Grandfathered Short Spaced Stations - There are no grandfathered short spaced stations in the vicinity of the proposed station and thus an exhibit was not prepared.
- Pursuant 47 C.F.R. §73.215 Regarding Contour Protection to Commercial Stations - Contour protection is not employed since all spacing requirements of §73.207 were met.

#### TV Channel 6 Stations

WTVJ is the only channel 6 station within 174 km of the transmit site as per §73.525. Exhibit E7 demonstrates interference to the WTVJ facility FCC license numbers BPCT-19950918KE and BLCT-19870123KG from the herein proposed WLRN-FM station. The

red and green contours are the WLRN-FM licensed and proposed interfering contours which demonstrate interference to the WTVJ protected contours. The red contour of the licensed WLRN-FM facility is predicted to cause interference to 2,383,923 people. The green contour of the proposed WLRN-FM facility is predicted to cause interference to 2,039,197 people. Thus, a reduction of interference to 344,726 people is predicted to occur from the instant application. The proposed facility will not cause any new areas of interference to WTVJ.

### **ENVIRONMENTAL IMPACT / RFR HAZARD ANALYSIS**

An analysis has been made of the human exposure to RFR using the calculation methodology described in *OET Bulletin 65, Edition, 97-01*. Exhibit E9 is a RFR study demonstrating compliance within the most restrictive permissible exposure at any location 2 meters above ground using the relative field pattern demonstrated in Exhibit E4E. To account for ground reflections, a coefficient of 1.6 was included in the calculation.

Pursuant to OET Bulletin 65 concerning multiple-user transmitter sites only those licensees whose transmitters produce power density levels greater than 5.0% of the exposure limit are considered significant contributors to RFR. Since the proposed operation is well within 5% of the most permissible exposure at any location 2 meters above the ground, it is not considered a significant contributor to RFR exposure. Thus, contributions to exposure from other RF sources in the vicinity of WLRN-FM were not taken into account. The instant proposal complies with the FCC limits for human exposure to RF radiation and thus is excluded from further environmental processing.

A chain link fence currently encompasses the WLRN-FM support structure. The applicant will cooperate with any other users of the tower by reducing the power to the antenna or if necessary completely cutting it off in order to protect maintenance workers on the tower.

**BLANKETING CONTOUR**

The blanketing contour (115 dBu) would extend no more than 2.7 km pursuant §73.318(a) of the FCC rules. Exhibit E8 demonstrates all wireless and broadcast stations within the 115 dBu contour area of the proposed station. If blanketing interference is caused to these or other communication facilities or the residents of this area, the applicant will take full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of intermodulation) to these and other facilities in existence or authorized or to radio receivers in use prior to the grant of this application.

**DECLARATION OF ENGINEER**

I, Ryan Wilhour, declare and state that I am a graduate electrical engineer with a Bachelor of Science in Electrical Engineering and my qualifications are a matter of record with the Federal Communication Commission, and that I am an engineer in the firm of Kessler and Gehman Associates, Inc., and that firm has been retained by The School Board of Miami – Dade County to prepare the herein application.

The foregoing statement and the report regarding the aforementioned engineering work are true and correct to the best of my knowledge. Executed on August 5, 2003.

KESSLER AND GEHMAN ASSOCIATES, INC.



Ryan Wilhour

Consulting Engineer

**WLRN-FM  
MIAMI, FLORIDA**

**ENGINEERING SPECIFICATIONS**

**A. Transmitter Site (NAD 83)**

FCC Tower Reg. Number 1041402

North Latitude 25 ° 58 ' 47.8 "

West Longitude 80 ° 11 ' 45.5 "

**Street Address or Location**

3300 SW 52<sup>NW</sup> Avenue  
Pembroke Park, Florida

**B. Main Studio Site  
Street Address**

The School Board of Miami-Dade County, Florida  
172 NE 15<sup>TH</sup> Street  
Miami, Florida 33132

**C. Proposed Facility  
Channel**

Number 217C1

**D. Antenna Height**

Height of Site Above Mean Sea Level (AMSL) 2.7 m

Overall Height of Structure Above Ground 307.8 m  
(including all appurtenances)

Overall Height of Structure Above Mean Sea Level 310.6 m  
(including all appurtenances)

Height of Site Above Average Terrain 0.7 m

Effective Height of Antenna Above Ground 284.2 m

Effective Height of Antenna Above Average Terrain 285.0 m

Effective Height of Antenna Above Mean Sea Level 287.0 m

**E. Proposed Operation**

Polarization	<u>Horizontal</u>	<u>Vertical</u>
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Effective Radiated Power	46.8 kW	46.8 kW
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**KESSLER & GEHMAN**

TELECOMMUNICATIONS CONSULTING ENGINEERS

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Gainesville, Florida 32607

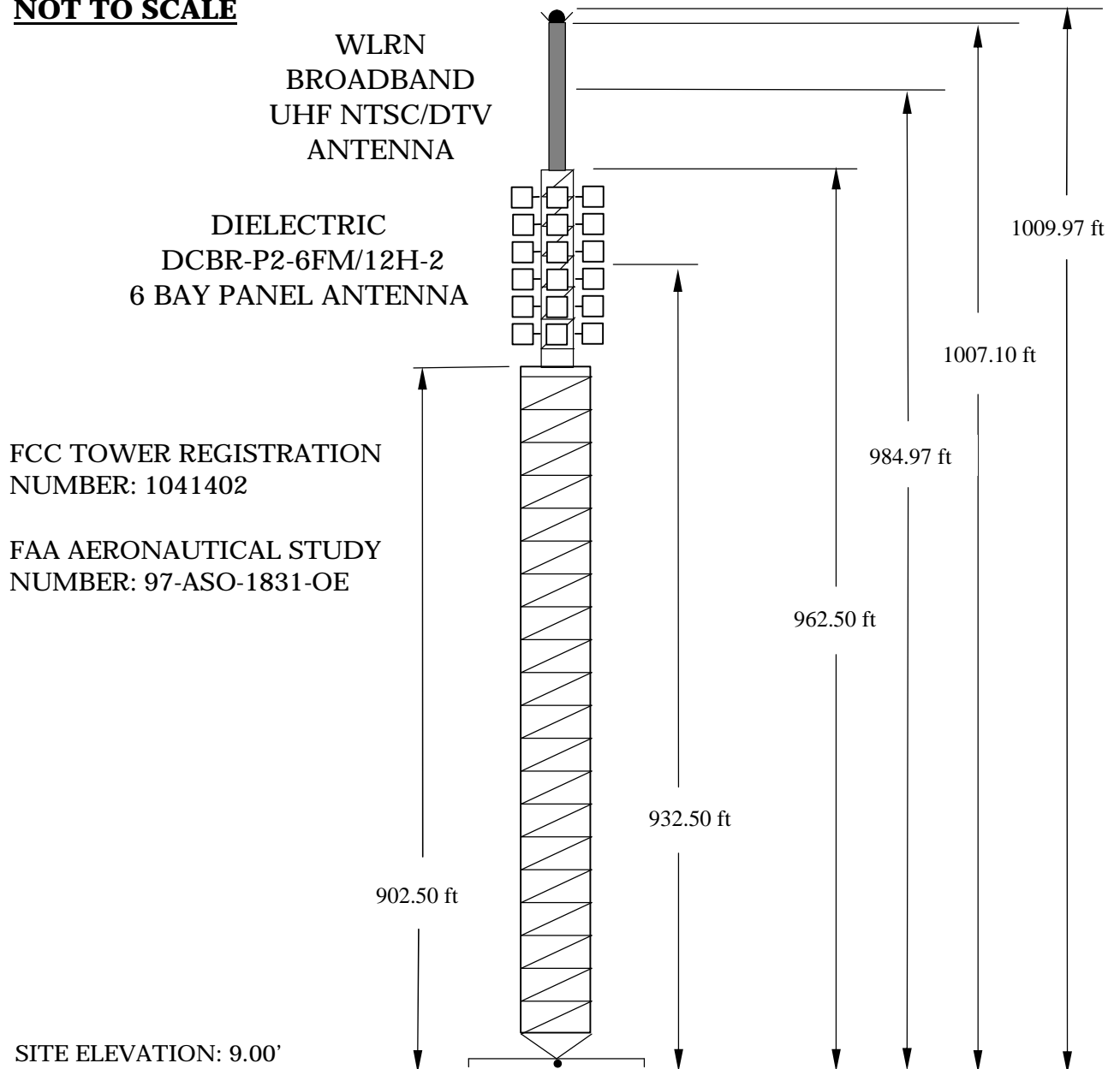
WLRN-FM  
MAIMI, FLORIDA

20030805

EXHIBIT E1

## ELEVATION VIEW

**NOT TO SCALE**



OVERALL HEIGHT AGL: 1009.97 FT  
OVERALL HEIGHT AMSL: 1018.97 FT  
FM RAD. CTR. AGL: 932.50 FT  
FM RAD. CTR. AMSL: 941.50 FT  
FM RAD. CTR. AAT: 934.9 FT  
AVERAGE TERRAIN: 6.6 FT

NAD 83 COORDINATES:  
N. LATITUDE 25 °58' 47.8"  
W. LONGITUDE 80 °11' 45.5"

NOTE: NOT TO SCALE

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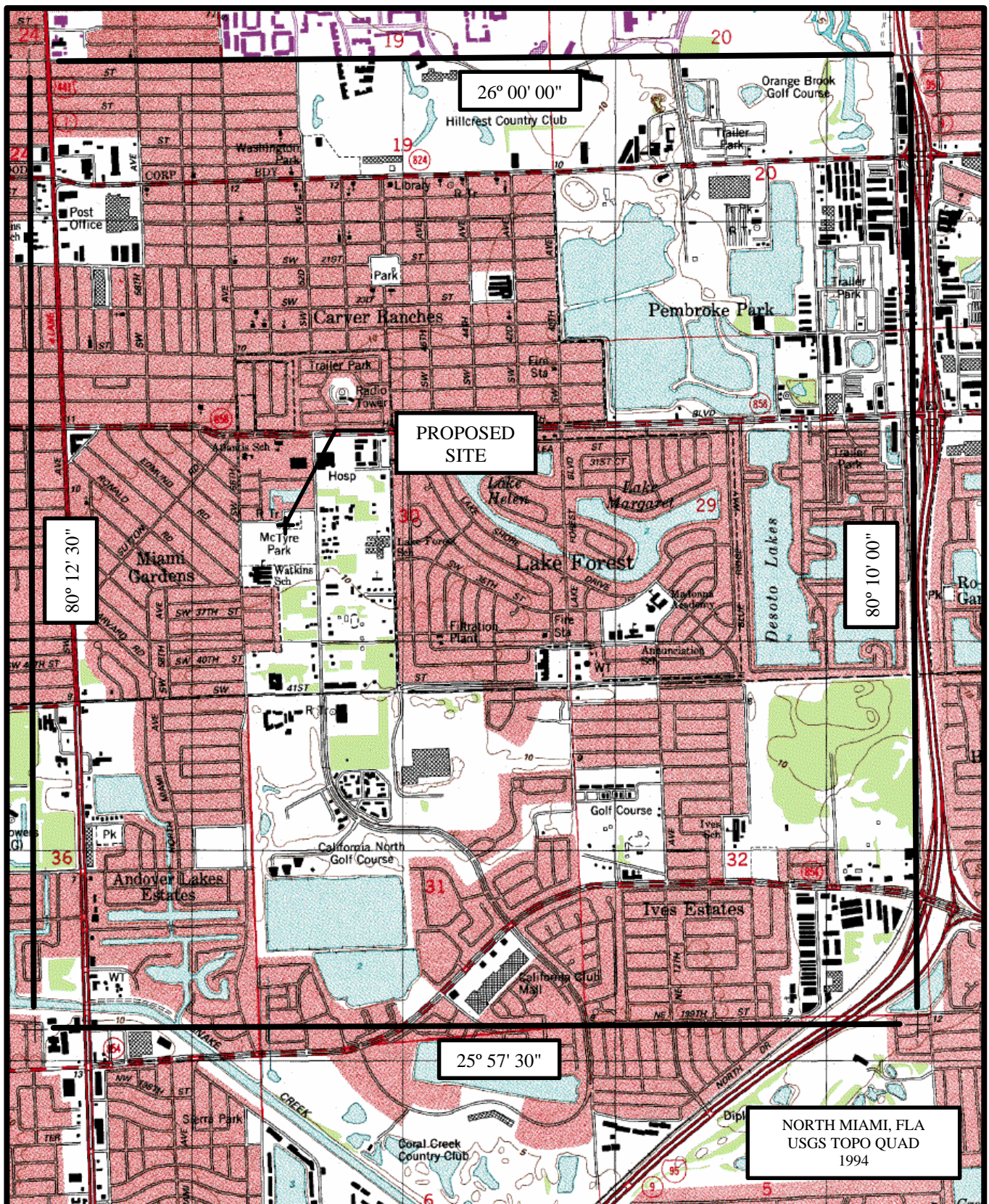
WLRN-FM

MIAMI, FLORIDA

20030508

EXHIBIT E2





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WLRN-FM  
MIAMI, FLORIDA

20030805

EXHIBIT E3



WLRN-FM

MIAMI, FLORIDA

TABULATION OF RELATIVE FIELD FOR PROPOSED DIRECTIONAL ANTENNA

<u>AZIMUTH</u>	<u>RELATIVE FIELD</u>	<u>AZIMUTH</u>	<u>RELATIVE FIELD</u>
N000°E	0.987	N180°E	0.839
N005°E	0.998	N185°E	0.903
N010°E	0.997	N190°E	0.952
N015°E	0.979	N195°E	0.984
N020°E	0.942	N200°E	0.998
N025°E	0.887	N205°E	0.995
N030°E	0.819	N210°E	0.974
N035°E	0.741	N215°E	0.940
N040°E	0.663	N220°E	0.896
N045°E	0.592	N225°E	0.847
N050°E	0.521	N230°E	0.792
N055°E	0.450	N235°E	0.730
N060°E	0.394	N240°E	0.659
N065°E	0.339	N245°E	0.578
N070°E	0.284	N250°E	0.513
N075°E	0.233	N255°E	0.448
N080°E	0.191	N260°E	0.380
N085°E	0.211	N265°E	0.313
N090°E	0.232	N270°E	0.252
N095°E	0.245	N275°E	0.221
N100°E	0.250	N280°E	0.235
N105°E	0.249	N285°E	0.239
N110°E	0.244	N290°E	0.228
N115°E	0.234	N295°E	0.211
N120°E	0.215	N300°E	0.258
N125°E	0.190	N305°E	0.318
N130°E	0.190	N310°E	0.382
N135°E	0.232	N315°E	0.444
N140°E	0.280	N320°E	0.504
N145°E	0.331	N325°E	0.577
N150°E	0.384	N330°E	0.652
N155°E	0.444	N335°E	0.718
N160°E	0.514	N340°E	0.781
N165°E	0.591	N345°E	0.840
N170°E	0.677	N350°E	0.896
N175°E	0.761	N355°E	0.944

MAXIMUM OF 1.000 AT 7° TRUE NORTH

MINIMUM OF 0.178 AT N128°E

**KESSLER & GEHMAN**

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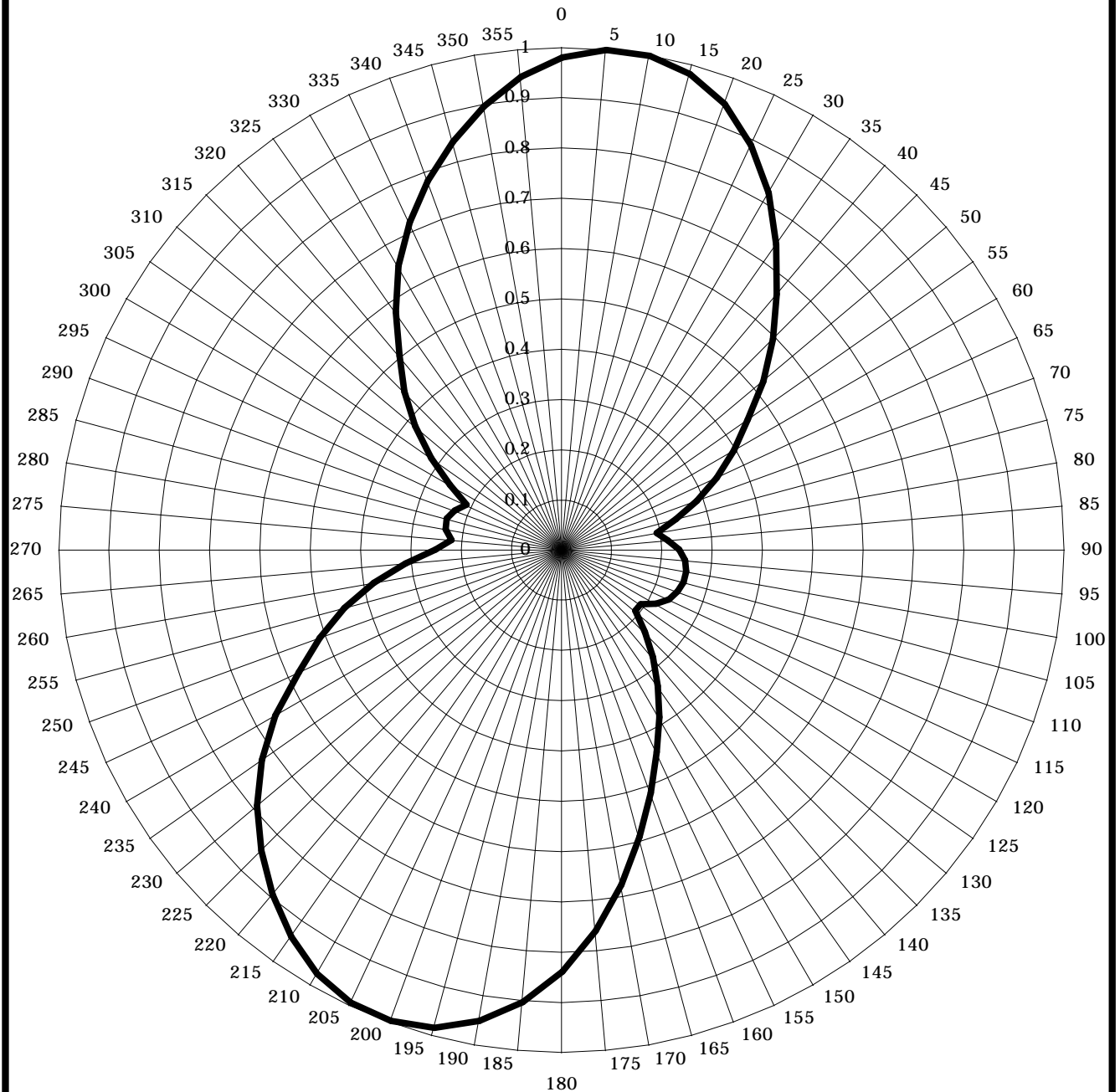
Gainesville, Florida 32607

WLRN-FM  
MIAMI, FLORIDA

20030805

EXHIBIT E4A

# RELATIVE FIELD AZIMUTH PATTERN



DCBR-P2-6FM/12H-2  
ORIENTED WITH BEAM MAXIMA AT 7° TRUE NORTH  
RMS GAIN: 2.7 OR 4.31 DB

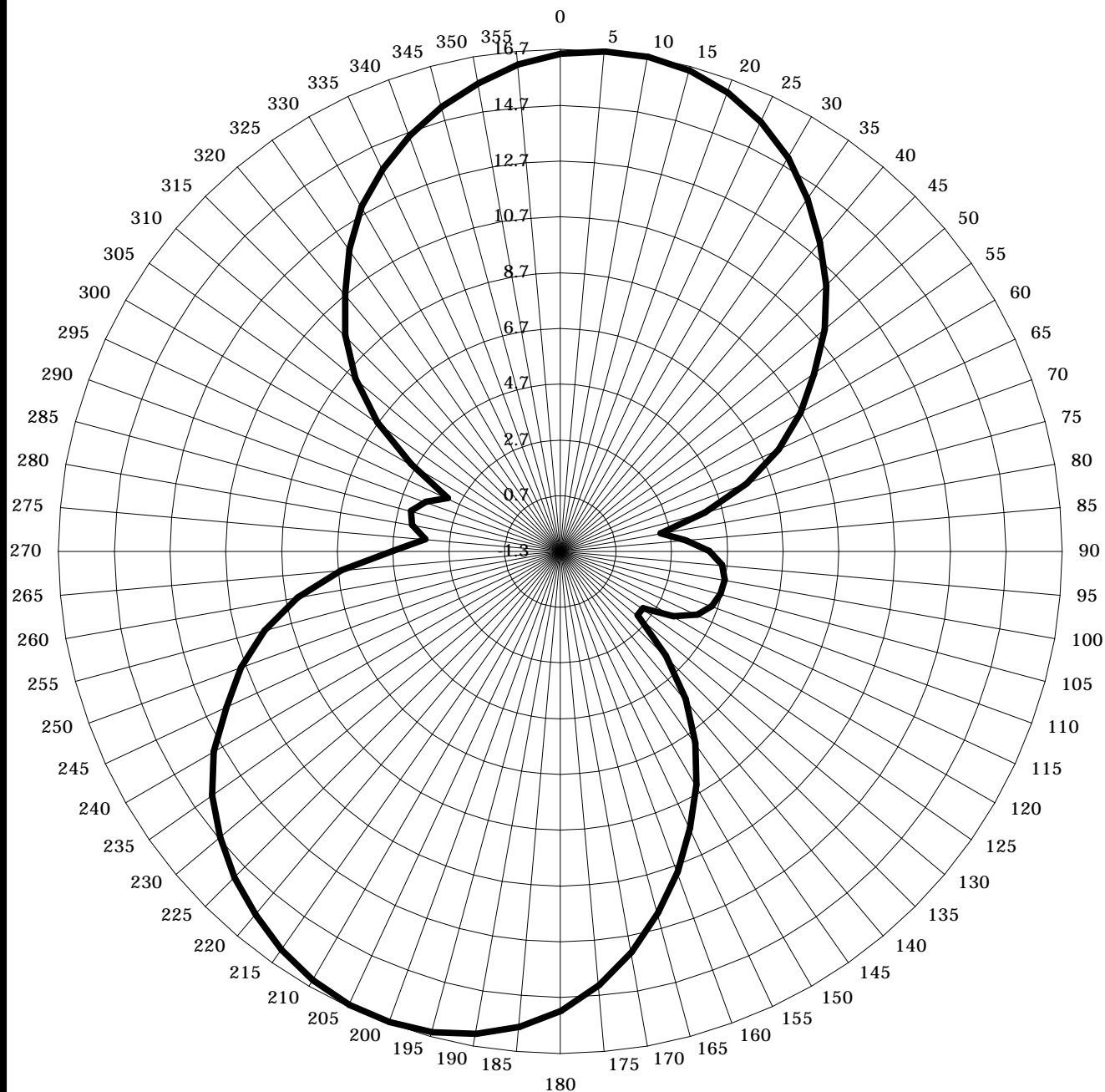
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EXHIBIT E4B

# ERP - dBk



DCBR-P2-6FM/12H-2  
ORIENTED WITH BEAM MAXIMA AT 07° TRUE NORTH

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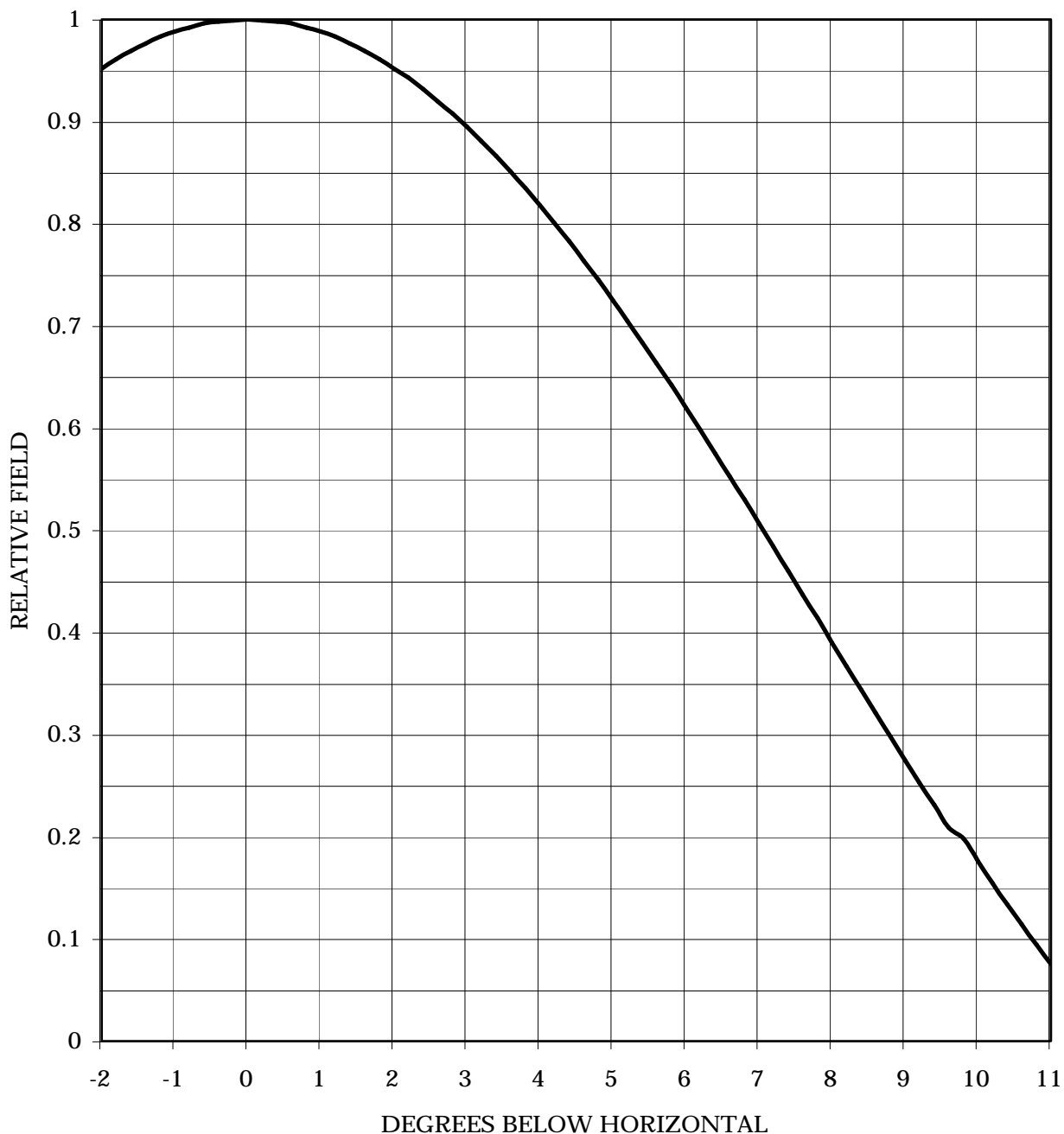
EXHIBIT E4C

# ELEVATION PATTERN

DIELECTRIC - DCBR-P2-6FM/12H-2

RMS Gain at Main Lobe 2.45 (3.89 dB)  
RMS Gain at Horizontal 2.50 (3.98 dB)

Beam Tilt 0.0 deg  
Frequency 91.3 MHz



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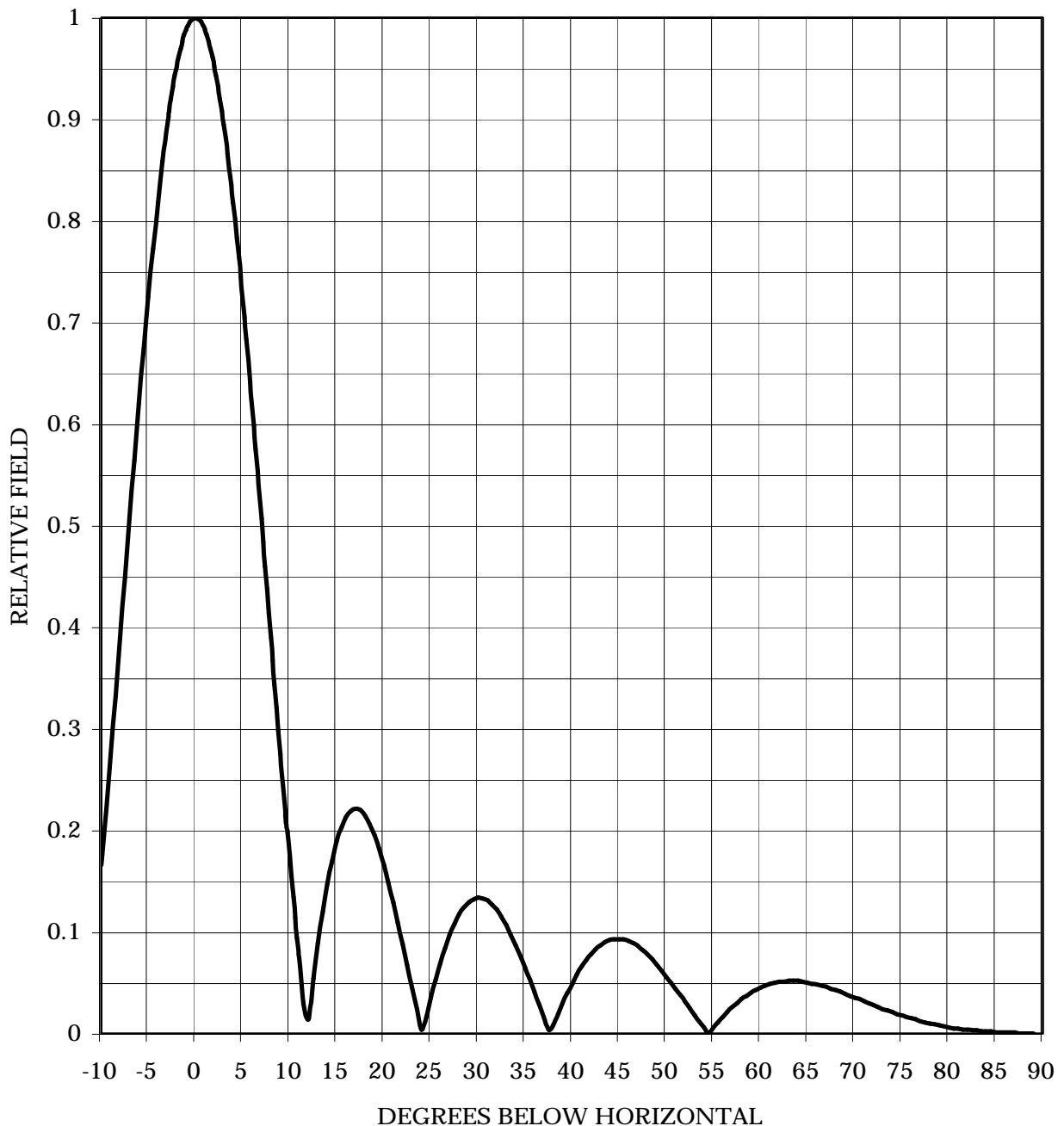
EXHIBIT E4D

# ELEVATION PATTERN

DIELECTRIC - DCBR-P2-6FM/12H-2

RMS Gain at Main Lobe 2.45 (3.89 dB)  
RMS Gain at Horizontal 2.50 (3.98 dB)

Beam Tilt 0.0 deg  
Frequency 91.3 MHz

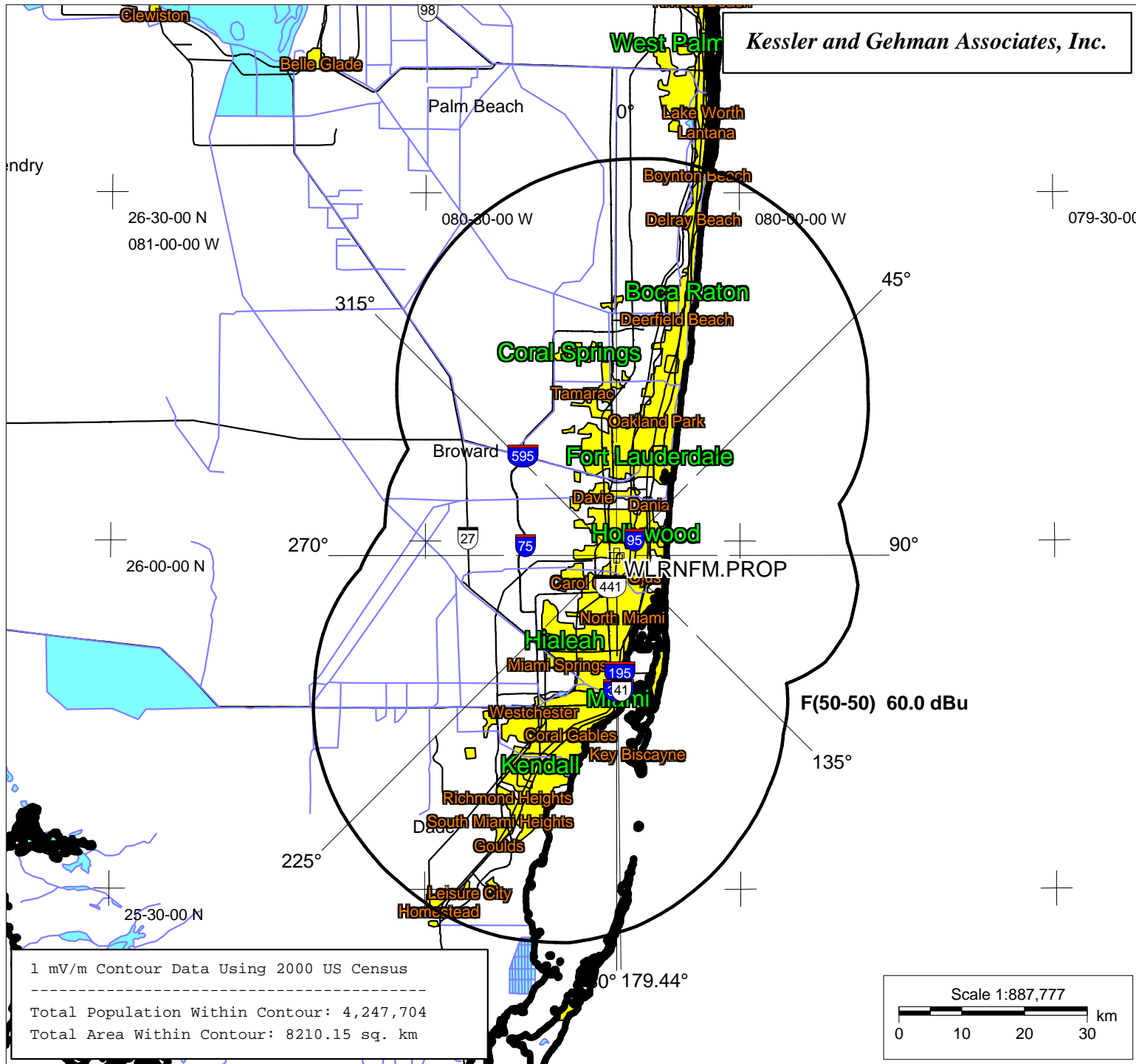


**KESSLER & GEHMAN**  
TELECOMMUNICATIONS CONSULTING ENGINEERS  
507 N.W. 60th Street, Suite C  
Gainesville, Florida 32607

WLRN-FM  
MIAMI, FLORIDA

20030805

EXHIBIT E4E



Kessler and Gehman Associates, Inc.

**WLRNFM.PROP**

Proposed  
Latitude: 25-58-46 N  
Longitude: 080-11-46 W  
ERP: 46.80 kW  
Channel: 217  
Frequency: 91.3 MHz  
AMSL Height: 287.0 m  
Elevation: 3.0 m  
Horiz. Pattern: Directional  
Vert. Pattern: No  
Prop Model: None

1 mV/m Contour Data Using 2000 US Census

-----  
Total Population Within Contour: 4,247,704

Total Area Within Contour: 8210.15 sq. km

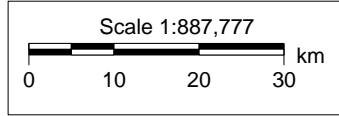
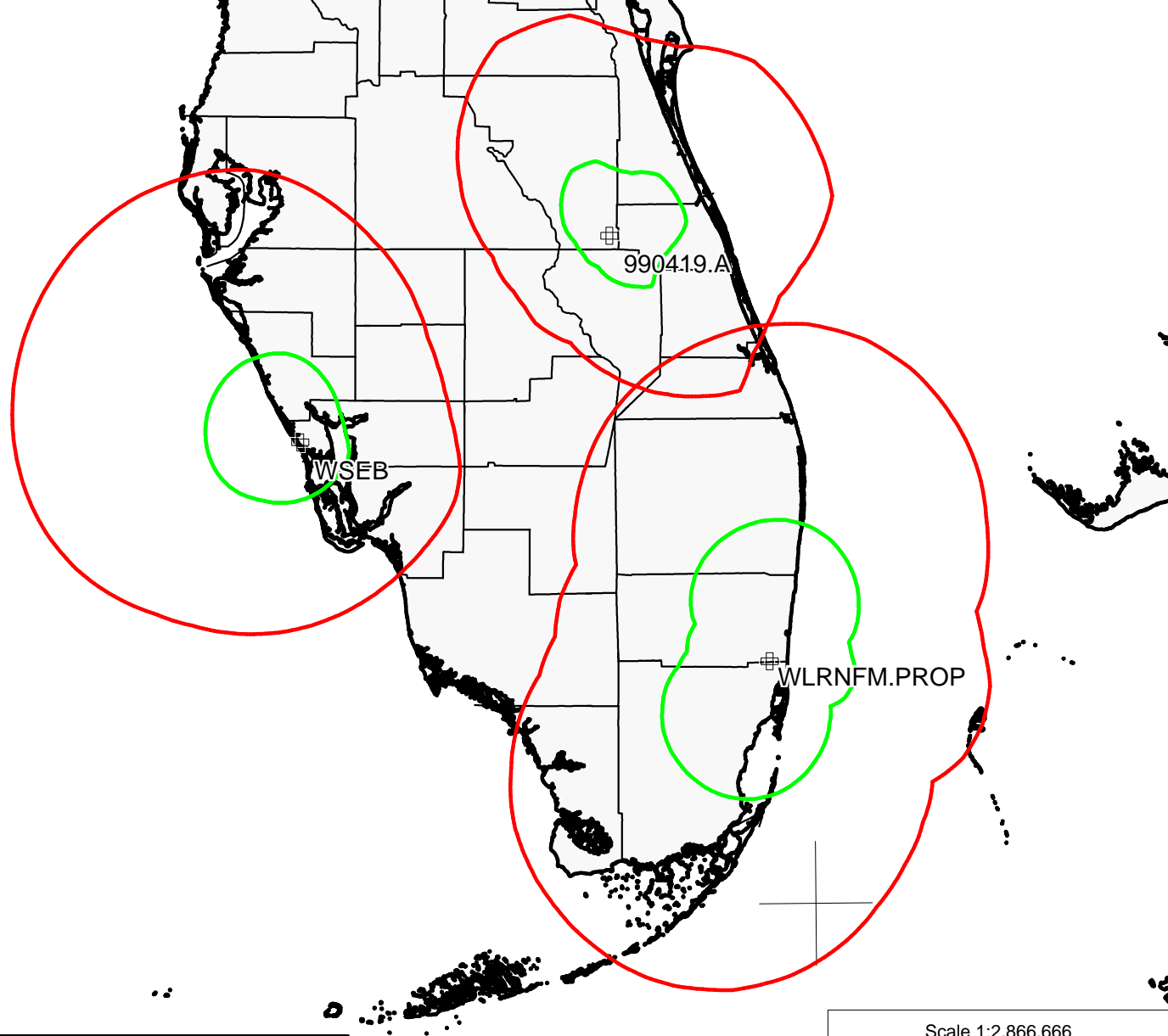


Exhibit E5

Section 73.509 Co-channel Contour analysis

- Co-Channel F(50,10) 40 dBu Interference Contour  
■ F(50,50) 60 dBu Protected Contour



**WLRNFM.PROP**

Proposed  
Latitude: 25-58-46 N  
Longitude: 080-11-46 W  
ERP: 46.80 kW  
Channel: 217  
Frequency: 91.3 MHz  
AMSL Height: 287.0 m  
Elevation: 3.0 m  
Horiz. Pattern: Directional  
Vert. Pattern: No  
Prop Model: None

**WSEB**

BLED19890424KA  
Latitude: 26-51-48 N  
Longitude: 082-17-54 W  
ERP: 62.00 kW  
Channel: 217  
Frequency: 91.3 MHz  
AMSL Height: 86.0 m  
Elevation: 2.0 m  
Horiz. Pattern: Directional  
Vert. Pattern: No  
Prop Model: None

**990419.A**

BPED19990419ME  
Latitude: 27-41-59 N  
Longitude: 080-54-19 W  
ERP: 13.50 kW  
Channel: 217  
Frequency: 91.3 MHz  
AMSL Height: 116.0 m  
Elevation: 20.0 m  
Horiz. Pattern: Directional  
Vert. Pattern: No  
Prop Model: None

*Kessler and Gehman Associates, Inc.*

Scale 1:2,866,666

0 40 80 120 km

Exhibit E6A



Section 73.509 1st Adjacent Channel Analysis

- 1st Adjacent Channel F(50,10) 54 dBu Interference Contour
- F(50,50) 60 dBu Protected Contour

**WLRNFM.PROP**

Proposed  
 Latitude: 25-58-46 N  
 Longitude: 080-11-46 W  
 ERP: 46.80 kW  
 Channel: 217  
 Frequency: 91.3 MHz  
 AMSL Height: 287.0 m  
 Elevation: 3.0 m  
 Horiz. Pattern: Directional  
 Vert. Pattern: No  
 Prop Model: None

**960822.A**

BPED19960822MA

**WJFP.A**

BPED19990727IA

**AP218**

BNPED20000428AAN

**AP218-1**

BNPED20000503AAG

**AP218-2**

BNPED20000217ABA

**WJFP**

BLED19940725KA

**WJYO**

BLED19881003KA

**960307.A**

BPED19960307ME

**960820.A**

BPED19960820MB

*Kessler and Gehman Associates, Inc.*

Scale 1:2,591,666

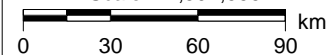
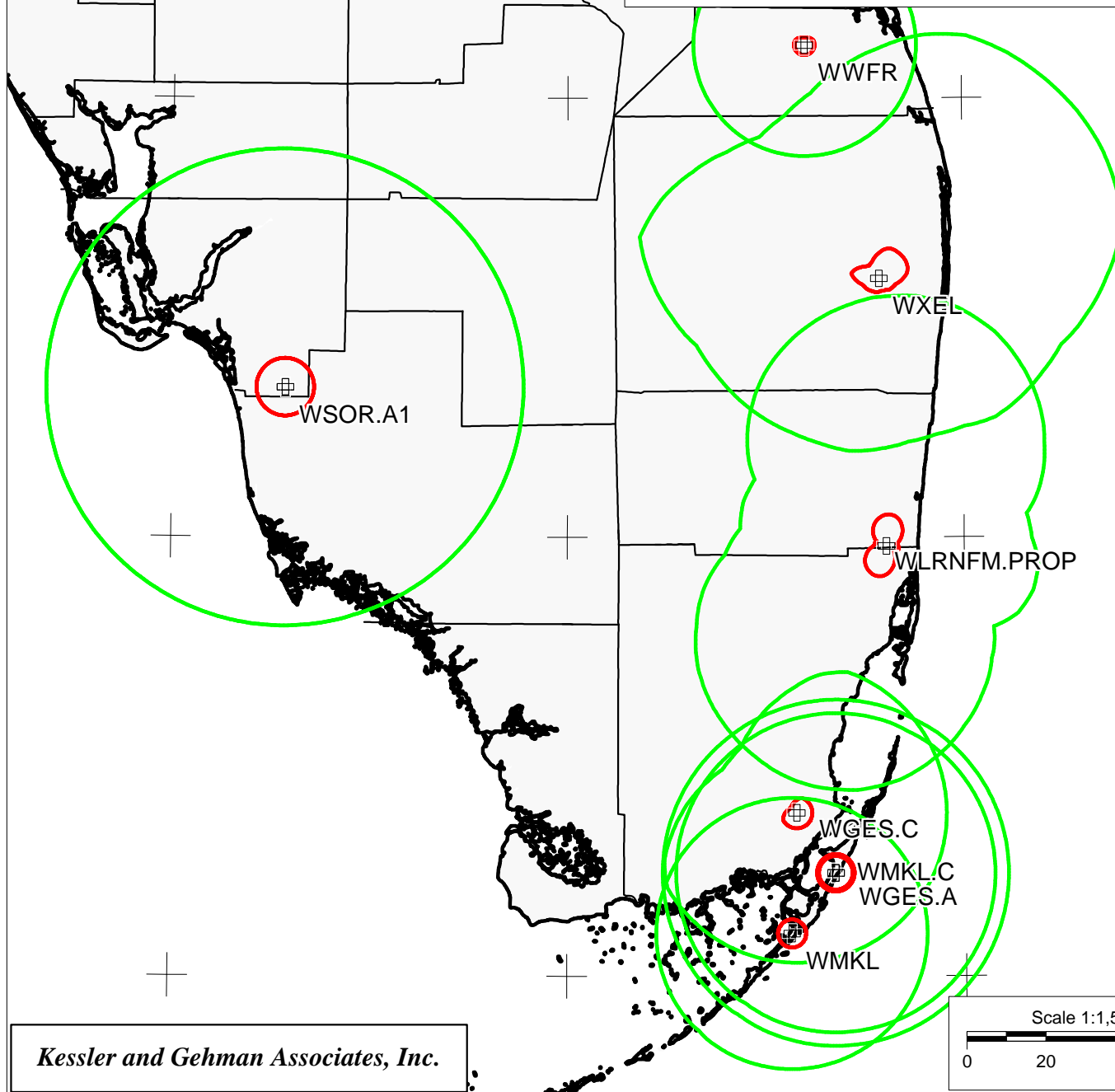


Exhibit E6B

Sec. 73.509 2nd & 3rd Adjacent Channel Analysis

- 2nd and 3rd Adjacent Channel F(50,10) 100 dBu Interference Contour
- F(50,50) 60 dBu Protected Contour



**WLRNFM.PROP**

Proposed  
Latitude: 25-58-46 N  
Longitude: 080-11-46 W  
ERP: 46.80 kW  
Channel: 217  
Frequency: 91.3 MHz  
AMSL Height: 287.0 m  
Elevation: 3.0 m  
Horiz. Pattern: Directional  
Vert. Pattern: No  
Prop Model: None

**WXEL**

BLED20030417ABF

**WGES.C**

BMPED20020806AAS

**WGES.A**

BMPED20030617AAV

**WMKL.C**

BMPED20030519AGA

**WMKL**

BLED19981013KA

**WWFR**

BLED20000414ABU

**WSOR**

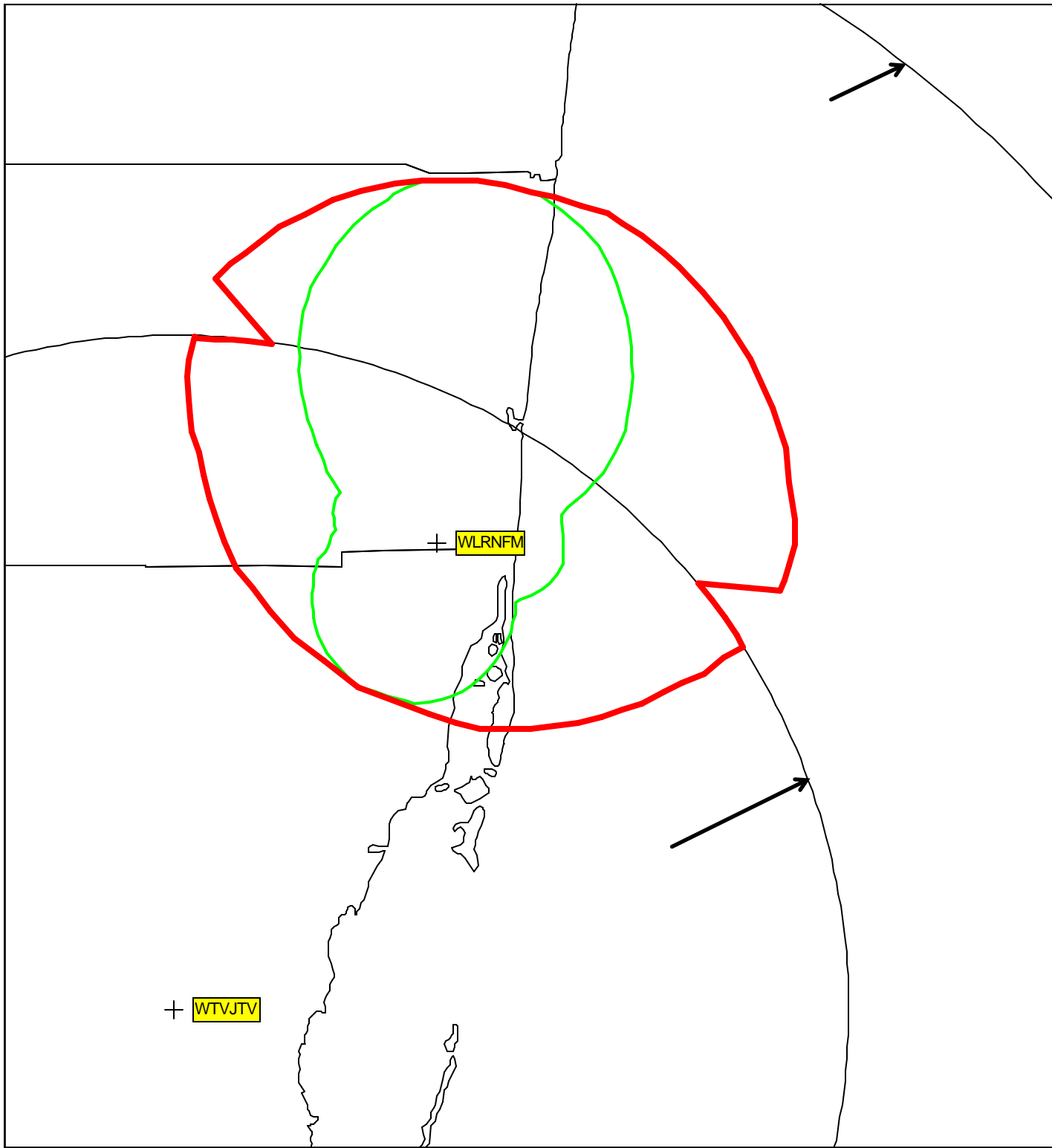
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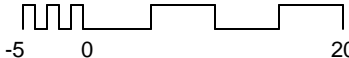
*Kessler and Gehman Associates, Inc.*

Scale 1:1,571,875

0 20 40 60 km

Exhibit E6C



SIGNAL™: wlrn lic to channel 6.map	
	WLRN-FM Licensed Int.
	WLRN-FM Proposed Int.
<u>Notes</u> RED - INTERFERENCE CAUSED BY THE LICENSED WLRN-FM FACILITY TO WTVJ: 2,383,923 PEOPLE  GREEN - INTERFERENCE CAUSED BY THE LICENSED WLRN-FM FACILITY TO WTVJ: 2,039,197  NOTE: POPULATION FIGURES ARE FROM 2000 CENSUS DATA	
<div>KILOMETERS</div> <div></div> <div>-5      0      20</div>	
<div>WLRN-FM</div> <div>MIAMI, FLORIDA</div>	
20030805	EXHIBIT E7

**Kessler & Gehman Associates, Inc.**  
**Gainesville, FL**

Wednesday, August 06, 2003

Dataworld Database listing

TITLE: WLRN

Call	Srv	Auth	City of license	St	Channel	LDM	Latitude
<u>Licensee name</u>					<u>File number</u>		<u>Longitude</u>
<b>WLRN-FM</b>	<b>FM</b>	<b>CP</b>	<b>Miami</b>	<b>FL</b>	<b>217C1 (91.3 MHz)</b>	4/16/2003	N 25° 58' 46.0"
<u>School Board of Miami-Dade County, FL</u>					BPED-20011211AAZ		W 80° 11' 46.0"
172 N.E. 15th Street					<u>Application contacts:</u>		
Miami, FL, 33132					Engineer: Mr. Ryan Wilhour ph: (352) 332-3157		
Voice: (305) 350-3228							
Contact: Mr. Don Macculough ph: (305) 350-3228					<u>Station information:</u>		
					172 N.E. 15th Street		
					Miami, FL, 33132		

c/r 287.0 m AMSL; HAAT = 285.0 m; ERP = 47 kW; DA: (TCI) DCBR-P2-6FM/12H-2 @ 0.0°; CP granted 3/20/2002 per 45198-3/25/2002;; **Dx = .0 km; Az-to = 0.0°; Az-fr = 0.0°**

<b>WLRN-FM</b>	<b>FM</b>	<b>Lic</b>	<b>Miami</b>	<b>FL</b>	<b>217C1 (91.3 MHz)</b>	6/20/2001	N 25° 58' 48.0"
<u>School Board of Miami-Dade County, FL</u>					BLD-19850214KP		W 80° 11' 47.1"
172 N.E. 15th Street					<u>Application contacts:</u>		
Miami, FL, 33132					Engineer: Clarence Mosley ph: (305) 350-3163		
Voice: (305) 350-3228							
Contact: Mr. Don Macculough ph: (305) 350-3228					<u>Station information:</u>		
					172 N.E. 15th Street		
					Miami, FL, 33132		

c/r 200.9 m AMSL; HAAT = 198.1 m; ERP = 100 kW; **Dx = .1 km; Az-to = 334.9°; Az-fr = 154.9°**

<b>WPYM</b>	<b>FM</b>	<b>Lic</b>	<b>Miami</b>	<b>FL</b>	<b>226C (93.1 MHz)</b>	1/30/2003	N 25° 58' 03.0"
<u>Cox Radio - Miami, LLC</u>					BLH-20001026ABM		W 80° 12' 34.0"
2741 North 29th Avenue					<u>Application contacts:</u>		
Hollywood, FL, 33020							
Voice: (954) 584-7117					<u>Station information:</u>		
<u>Owner: Cox Enterprises, Inc.</u>					2741 N 29th Ave		
4192 John Young Parkway					Hollywood, FL, 33020		
Orlando, FL, 32804							
Voice: (407) 295-5058					GM: Michael Disney; SM: Mark Telsey		
Contact: Mr. Jack M Mortenson					PD: Phil Michaels; CE: Mitch Wein		
c/r 310.0 m AMSL; HAAT = 307.0 m; ERP = 100 kW; DA: oddball (ODD) ODD931025IF @ 0.0°; WTMI changed to WPYM 1/9/02 per #424 (1/16/02); License granted 2/15/2001 per 44926-2/21/2001;; <b>Dx = 1.9 km; Az-to = 225.1°; Az-fr = 45.1°</b>							

<b>WFLC</b>	<b>FM</b>	<b>Lic</b>	<b>Miami</b>	<b>FL</b>	<b>247C (97.3 MHz)</b>	1/20/1999	N 25° 58' 03.0"
<u>Cox Radio, Inc.</u>					BLH-19980609KF		W 80° 12' 34.0"
3993 Howard Hughes Parkway, Suite 250					<u>Application contacts:</u>		
Las Vegas, NV, 89109							
Voice: (702) 866-2222					<u>Station information:</u>		
Contact: Mr. Robert F Neil					2741 N 29th Ave		
<u>Owner: Cox Enterprises, Inc.</u>					Hollywood, FL, 33020		
4192 John Young Parkway							
Orlando, FL, 32804					GM: Michael Disney; SM: John Lynch		
Voice: (407) 295-5058					PD: David Isreal; CE: Mitch Wein		
Contact: Mr. Robert E Ingstad ph: (605) 224-8686							
c/r 309.0 m AMSL; HAAT = 307.0 m; ERP = 100 kW; DA: oddball (ODD) ODD870227OI @ 0.0°; License granted 12/22/98 per 44396-12/28/98;; <b>Dx = 1.9 km; Az-to = 225.1°; Az-fr = 45.1°</b>							

**Kessler & Gehman Associates, Inc.**  
**Gainesville, FL**

Wednesday, August 06, 2003

Dataworld Database listing

TITLE: WLRN

Call	Srv	Auth	City of license	St	Channel	LDM	Latitude
<u>Licensee name</u>					<u>File number</u>		<u>Longitude</u>
<b>WEDR</b>	<b>FM</b>	<b>Lic</b>	<b>Miami</b>	<b>FL</b>	<b>256C1 (99.1 MHz)</b>	7/17/2003	N 25° 58' 03.0"
<u>Cox Radio, Inc.</u>					BLH-20010625ABD		W 80° 12' 34.0"
3993 Howard Hughes Parkway, Suite 250 Las Vegas, NV, 89109 Voice: (702) 866-2222 Contact: Mr. Robert F Neil					<u>Application contacts:</u>		
<u>Owner: Cox Enterprises, Inc.</u> 4192 John Young Parkway Orlando, FL, 32804 Voice: (407) 295-5058 Contact: Mr. Robert E Ingstad ph: (605) 224-8686 c/r 283.0 m AMSL; HAAT = 280.0 m; ERP = 100 kW; License granted 10/19/2001 per 45097-10/24/2001;;					<u>Station information:</u> 2741 N 29th Ave Hollywood, FL, 33020  GM: Jerry Rushin; SM: Kevin Hemmings PD: Cedric Hollywood; CE: Rick Rieke		
					<b>Dx = 1.9 km; Az-to = 225.1°; Az-fr = 45.1°</b>		
<b>WHQT</b>	<b>FM</b>	<b>Lic</b>	<b>Coral Gables</b>	<b>FL</b>	<b>286C (105.1 MHz)</b>	11/25/1998	N 25° 58' 03.0"
<u>Cox Radio, Inc.</u>					BLH-19980611KB		W 80° 12' 34.0"
3993 Howard Hughes Parkway, Suite 250 Las Vegas, NV, 89109 Voice: (702) 866-2222 Contact: Mr. Robert F Neil					<u>Application contacts:</u>		
<u>Owner: Cox Enterprises, Inc.</u> 4192 John Young Parkway Orlando, FL, 32804 Voice: (407) 295-5058 Contact: Mr. Robert E Ingstad ph: (605) 224-8686 c/r 309.0 m AMSL; HAAT = 307.0 m; ERP = 100 kW; DA: oddball (ODD) ODD870611KE @ 0.0°; License granted 11/5/98 per 44365-11/10/98;;					<u>Station information:</u> 2741 N 29th Ave Hollywood, FL, 33020  GM: Jerry Rushin; SM: Kevin Clenace PD: Derek Brown; CE: Mitch Wein		
					<b>Dx = 1.9 km; Az-to = 225.1°; Az-fr = 45.1°</b>		
<b>WLVE</b>	<b>FM</b>	<b>Lic</b>	<b>Miami Beach</b>	<b>FL</b>	<b>230C (93.9 MHz)</b>	7/16/2001	N 25° 57' 59.0"
<u>Clear Channel Broadcasting Licenses, Inc.</u>					BMLH-19940613KH		W 80° 12' 33.0"
2625 S. Memorial Drive, Suite A Tulsa, OK, 74129 Voice: (918) 664-4581					<u>Application contacts:</u> Engineer: S. K. Khanna ph: (202) 898-0111 Attorney: Jerry V. Haines ph: (202) 429-7280		
<u>Owner: Clear Channel Communications, Inc.</u> 200 Concord Plaza, Suite 600 San Antonio, TX, 78216 Voice: (210) 822-2828; Fax: (210) 822-2299					<u>Station information:</u> 7601 Riviera Blvd Miramar, FL, 33023  GM: Ronna Woulfe; SM: Ed Pearl PD: Rich McMillan; CE: Max Sitero		
c/r 309.0 m AMSL; HAAT = 307.0 m; ERP = 100 kW; DA: oddball (ODD) ODD911213ID @ 0.0°;					<b>Dx = 2.0 km; Az-to = 221.9°; Az-fr = 41.9°</b>		
<b>WZTA</b>	<b>FM</b>	<b>Lic</b>	<b>Miami Beach</b>	<b>FL</b>	<b>235C (94.9 MHz)</b>	8/21/1998	N 25° 57' 59.0"
<u>Clear Channel Broadcasting Licenses, Inc.</u>					BMLH-19940613KG		W 80° 12' 33.0"
2625 S. Memorial Drive, Suite A Tulsa, OK, 74129 Voice: (918) 664-4581					<u>Application contacts:</u> Engineer: Robert D Culver ph: (202) 296-2722 Attorney: Alan C Campbell ph: (202) 857-2634		
<u>Owner: Clear Channel Communications, Inc.</u> 200 Concord Plaza, Suite 600 San Antonio, TX, 78216 Voice: (210) 822-2828; Fax: (210) 822-2299					<u>Station information:</u> 7601 Riviera Blvd Miramar, FL, 33023  GM: Ronna Woulfe; SM: Todd Winick PD: Rob Roberts; CE: Max Sitero		
c/r 309.1 m AMSL; HAAT = 306.6 m; ERP = 100 kW; DA: oddball (ODD) ODD870709IB @ 0.0°;					<b>Dx = 2.0 km; Az-to = 221.9°; Az-fr = 41.9°</b>		

**Kessler & Gehman Associates, Inc.**  
**Gainesville, FL**

Wednesday, August 06, 2003

Dataworld Database listing

TITLE: WLRN

Call	Srv	Auth	City of license	St	Channel	LDM	Latitude
<u>Licensee name</u>					<u>File number</u>		<u>Longitude</u>
<b>WPOW</b>	<b>FM</b>	<b>Lic</b>	<b>Miami</b>	<b>FL</b>	<b>243C (96.5 MHz)</b>	8/4/1997	N 25° 57' 59.0"
<u>WPOW License, LP</u>					BMLH-19940613KA		W 80° 12' 33.0"
3033 Riviera Drive, Suite 200					<u>Application contacts:</u>		
Naples, FL, 33940					Attorney: Marilyn M Strailman ph: (202) 861-1500		
Voice: (941) 263-5000; Fax: (941) 263-8121					<u>Station information:</u>		
<u>Owner: Beasley Broadcast Group</u>					20295 NW 2nd Ave		
3033 Riviera Drive, Suite 200					Miami, FL, 33169		
Naples, FL, 33940					GM: Greg Reed; SM: Matthew Bell		
Voice: (941) 263-5000; Fax: (941) 263-8121					PD: Kid Curry; CE: George Corso		
Contact: Mary McCartney ph: (805) 822-5571							
c/r 309.1 m AMSL; HAAT = 306.9 m; ERP = 100 kW; DA: oddball (ODD) ODD850625MA @ 0.0°; <b>Dx = 2.0 km; Az-to = 221.9°; Az-fr = 41.9°</b>							
<b>WHYI-FM</b>	<b>FM</b>	<b>Lic</b>	<b>Fort Lauderdale</b>	<b>FL</b>	<b>264C (100.7 MHz)</b>	8/20/1998	N 25° 57' 59.0"
<u>Clear Channel Broadcasting Licenses, Inc.</u>					BMLH-19940613KB		W 80° 12' 33.0"
2625 S. Memorial Drive, Suite A					<u>Application contacts:</u>		
Tulsa, OK, 74129					Engineer: Charles I. Gallagher ph: (301) 577-2636		
Voice: (918) 664-4581					Attorney: Allan G Moskowitz ph: (202) 872-0010		
<u>Owner: Clear Channel Communications, Inc.</u>					<u>Station information:</u>		
200 Concord Plaza, Suite 600					7601 Riviera Blvd		
San Antonio, TX, 78216					Miramar, FL, 33023		
Voice: (210) 822-2828; Fax: (210) 822-2299					GM: Ronna Woulfe; SM: John Caras		
c/r 309.1 m AMSL; HAAT = 306.6 m; ERP = 100 kW; DA: oddball (ODD) ODD850322LB @ 0.0°; <b>Dx = 2.0 km; Az-to = 221.9°; Az-fr = 41.9°</b>					PD: Rob Roberts; CE: Max Sitero		
<b>WMXJ</b>	<b>FM</b>	<b>Lic</b>	<b>Pompano Beach</b>	<b>FL</b>	<b>274C (102.7 MHz)</b>	4/3/1996	N 25° 57' 59.0"
<u>Jefferson-Pilot Communications Company</u>					BMLH-19940613KF		W 80° 12' 33.0"
100 North Greene Street					<u>Application contacts:</u>		
Greensboro, NC, 27401					Engineer: Richard F Wholey ph: (603) 524-1323		
Voice: (336) 691-3317					Attorney: Heidi P Sanchez ph: (202) 293-1280		
<u>Owner: Jefferson-Pilot Corporation</u>					<u>Station information:</u>		
100 North Greene Street					20450 NW 2nd Ave		
Greensboro, NC, 27401					Miami, FL, 33169		
Voice: (336) 691-3317; Fax: (910) 691-3222					GM: Dennis Collins; SM: Rick Charnack		
c/r 308.8 m AMSL; HAAT = 306.6 m; ERP = 100 kW; DA: oddball (ODD) ODD860313KC @ 0.0°; <b>Dx = 2.0 km; Az-to = 221.9°; Az-fr = 41.9°</b>					PD: Bob Hamilton; CE: Gary Blau		
<b>WMIB</b>	<b>FM</b>	<b>Lic</b>	<b>Fort Lauderdale</b>	<b>FL</b>	<b>278C (103.5 MHz)</b>	1/9/2003	N 25° 57' 59.0"
<u>Clear Channel Broadcasting Licenses, Inc.</u>					BMLH-19940613KC		W 80° 12' 33.0"
2625 S. Memorial Drive, Suite A					<u>Application contacts:</u>		
Tulsa, OK, 74129					Engineer: Bruce Hirsh ph: (305) 581-1580		
Voice: (918) 664-4581					Attorney: Alan C Campbell ph: (202) 857-2500		
<u>Owner: Clear Channel Communications, Inc.</u>					<u>Station information:</u>		
200 Concord Plaza, Suite 600					7601 Riviera Blvd		
San Antonio, TX, 78216					Miramar, FL, 33023		
Voice: (210) 822-2828; Fax: (210) 822-2299					GM: Ronna Woulfe; SM: Marcia Chambers		
c/r 309.1 m AMSL; HAAT = 306.6 m; ERP = 100 kW; DA: oddball (ODD) ODD841105IV @ 0.0°; WMGE changed to WMIB 1/1/03 per #450 (1/8/03);; <b>Dx = 2.0 km; Az-to = 221.9°; Az-fr = 41.9°</b>					PD: Tony Banks; CE: Max Sitero		

**Kessler & Gehman Associates, Inc.**  
**Gainesville, FL**

Wednesday, August 06, 2003

Dataworld Database listing

TITLE: WLRN

Call	Srv	Auth	City of license	St	Channel	LDM	Latitude
<u>Licensee name</u>					<u>File number</u>		<u>Longitude</u>
<b>WAMR-FM</b>	<b>FM</b>	<b>Lic</b>	<b>Miami</b>	<b>FL</b>	<b>298C1 (107.5 MHz)</b>	7/24/2000	N 25° 57' 59.0"
<u>WQBA-FM License Corporation</u>					BMLH-19940613KD		W 80° 12' 33.0"
3120 Oak Lawn, Suite 215					<u>Application contacts:</u>		
Dallas, TX, 75219					Engineer: Fred W Greaves ph: (717) 848-5500		
Voice: (212) 525-7700							
<u>Owner: Hispanic Broadcasting Corporation</u>					<u>Station information:</u>		
3102 Oak Lawn Avenue, Suite 215					800 S Douglas Rd Ste 111		
Dallas, TX, 75219					Coral Gables, FL, 33134		
Voice: (214) 525-7700					GM: Claudia Puig; SM: Brian Barber		
Contact: Mary Mecartney ph: (805) 822-5571					PD: Tony Campos; CE: Miguel Triay		
c/r 309.0 m AMSL; HAAT = 307.0 m; ERP = 95 kW; DA: oddball (ODD) ODD870302PG @ 0.0°; <b>Dx = 2.0 km; Az-to = 221.9°; Az-fr = 41.9°</b>							
<b>WLYF</b>	<b>FM</b>	<b>Lic</b>	<b>Miami</b>	<b>FL</b>	<b>268C1 (101.5 MHz)</b>	10/30/1997	N 25° 57' 59.0"
<u>Jefferson-Pilot Communications Company</u>					BLH-5032		W 80° 12' 44.0"
100 North Greene Street					<u>Application contacts:</u>		
Greensboro, NC, 27401					Attorney: Wiley & Rein ph: (202) 857-1726		
Voice: (336) 691-3317					<u>Station information:</u>		
<u>Owner: Jefferson-Pilot Corporation</u>					20450 NW 2nd Ave		
100 North Greene Street					Miami, FL, 33169		
Greensboro, NC, 27401					GM: Dennis Collins; SM: Rick Charnack		
Voice: (336) 691-3317; Fax: (910) 691-3222					PD: Rob Sidney; CE: Gary Blau		
c/r 250.0 m AMSL; HAAT = 247.0 m; ERP = 100 kW; <b>Dx = 2.2 km; Az-to = 227.9°; Az-fr = 47.9°</b>							
<b>WKIS</b>	<b>FM</b>	<b>Lic</b>	<b>Boca Raton</b>	<b>FL</b>	<b>260C (99.9 MHz)</b>	4/20/2000	N 25° 59' 34.0"
<u>WKIS License, LP</u>					BLH-19871216KH		W 80° 10' 27.0"
3033 Riviera Drive					<u>Application contacts:</u>		
Naples, FL, 33940					Engineer: Douglass L Holland ph: (305) 522-3303		
Voice: (941) 263-5000							
<u>Owner: Beasley Broadcast Group</u>					<u>Station information:</u>		
3033 Riviera Drive, Suite 200					194 NW 187th St		
Naples, FL, 33940					Miami, FL, 33169		
Voice: (941) 263-5000; Fax: (941) 263-8121					GM: Joe Bell; SM: Carol Bowen		
Contact: Gregory Davis ph: (706) 576-3565					PD: Bob Barnett; CE: George Corso		
c/r 302.1 m AMSL; HAAT = 299.9 m; ERP = 100 kW; DA: oddball (ODD) ODD871216KH @ 0.0°; <b>Dx = 2.6 km; Az-to = 55.9°; Az-fr = 235.9°</b>							
<b>WRMA</b>	<b>FM</b>	<b>Lic</b>	<b>Fort Lauderdale</b>	<b>FL</b>	<b>294C (106.7 MHz)</b>	1/10/2001	N 25° 59' 34.0"
<u>WRMA Licensing, Inc.</u>					BLH-19860116KB		W 80° 10' 27.0"
3191 Coral Way, Suite 805					<u>Application contacts:</u>		
Miami, FL, 33145					Engineer: Douglass L Holland ph: (305) 522-3303		
Voice: (305) 441-6901					Attorney: Nancy L Wolf ph: (202) 857-2702		
<u>Owner: Spanish Broadcasting System, Inc. (Delaware)</u>					<u>Station information:</u>		
2601 S. Bayshore Drive, Penthouse 2					1001 Ponce De Leon Blvd		
Coconut Grove, FL, 33133					Coral Gables, FL, 33134		
Voice: (305) 441-6901					GM: Mr. Raul P Alarcon, Sr.; SM: Albert Rodriguez		
Contact: Mr. Louis J Appell, Jr.					PD: German Estrada; CE: Ralph Chambers		
c/r 301.4 m AMSL; HAAT = 299.9 m; ERP = 100 kW; DA: oddball (ODD) ODD840801AB @ 0.0°; <b>Dx = 2.6 km; Az-to = 55.9°; Az-fr = 235.9°</b>							

**Kessler & Gehman Associates, Inc.**  
**Gainesville, FL**

Wednesday, August 06, 2003

Dataworld Database listing

TITLE: WLRN

Call	Srv	Auth	City of license	St	Channel	LDM	Latitude
<u>Licensee name</u>					<u>File number</u>		<u>Longitude</u>
<b>WBGG-FM</b>	<b>FM</b>	<b>Lic</b>	<b>Fort Lauderdale</b>	<b>FL</b>	<b>290C0 (105.9 MHz)</b>	5/6/2003	N 25° 59' 34.0"
<u>Clear Channel Broadcasting Licenses, Inc.</u>					BLH-20030425ABI		W 80° 10' 27.0"
2625 S. Memorial Drive, Suite A					<u>Application contacts:</u>		
Tulsa, OK, 74129					Engineer: Mr. Troy Langham ph: (918) 664-4581		
Voice: (918) 664-4581							
<u>Owner: Clear Channel Communications, Inc.</u>					<u>Station information:</u>		
200 Concord Plaza, Suite 600					7601 Riviera Blvd, Suite 400		
San Antonio, TX, 78216					Miramar, FL, 33023		
Voice: (210) 822-2828; Fax: (210) 822-2299					GM: Ronna Woulfe; SM: Todd Winick		
					PD: Rob Roberts; CE: Max Sitero		
c/r 314.0 m AMSL; HAAT = 314.0 m; ERP = 100 kW; DA: oddball (ODD) ODD850122IU @ 0.0°; License granted 05/01/03 per 45479 - 05/06/03;; <b>Dx = 2.6 km; Az-to = 55.9°; Az-fr = 235.9°</b>							

>> End of Dataworld Database Listing <<  
17 records retrieved



**Kessler & Gehman Associates, Inc.**  
**Gainesville, FL**

Wednesday, August 06, 2003

Dataworld Database listing

TITLE: WLRN within

DB: FCC 7/30/2003 1:05:33 AM

Call	Srv	Auth	City of license	St	Channel	LDM	Latitude
Licensee name					File number		Longitude
<b>WLRN-FM</b>	<b>FM</b>	<b>CP</b>	<b>MIAMI</b>	<b>FL</b>	<b>217C1 (91.3 MHz)</b>	7/30/2003	N 25° 58' 46.0"
THE SCHOOL BOARD OF MIAMI - DADE COUNTY, FL					BPED-20011211AAZ		W 80° 11' 46.0"
c/r 286.7 m AMSL; HAAT = 285.0 m; ERP = 47 kW; DA: (ODD) ODD20011211AAZ @ 0.0°; <b>Dx = .0 km; Az-to = 0.0°; Az-fr = 0.0°</b>							
<b>WLRN-FM</b>	<b>FM</b>	<b>LIC</b>	<b>MIAMI</b>	<b>FL</b>	<b>217C1 (91.3 MHz)</b>	7/30/2003	N 25° 58' 48.0"
THE SCHOOL BOARD OF MIAMI - DADE COUNTY, FL					BLED-19850214KP		W 80° 11' 47.0"
c/r 201.0 m AMSL; HAAT = 198.0 m; ERP = 100 kW; <b>Dx = .1 km; Az-to = 335.8°; Az-fr = 155.8°</b>							
<b>NEW</b>	<b>FM</b>	<b>APP</b>	<b>LAKE LUCERNE</b>	<b>FL</b>	<b>296D (107.1 MHz)</b>	7/30/2003	N 25° 59' 09.0"
WAY-FM MEDIA GROUP, INC.					BNPFT-20030311AEY		W 80° 11' 37.0"
c/r 203.0 m AMSL; ERP = 0.01 kW; <b>Dx = .8 km; Az-to = 19.4°; Az-fr = 199.4°</b>							
<b>WPYM</b>	<b>FM</b>	<b>LIC</b>	<b>MIAMI</b>	<b>FL</b>	<b>226C (93.1 MHz)</b>	7/30/2003	N 25° 58' 03.0"
COX RADIO-MIAMI, LLC					BLH-20001026ABM		W 80° 12' 34.0"
c/r 309.5 m AMSL; HAAT = 307.0 m; ERP = 100 kW; DA: (ODD) ODD931025IF @ 0.0°; <b>Dx = 1.9 km; Az-to = 225.1°; Az-fr = 45.1°</b>							
<b>WFLC</b>	<b>FM</b>	<b>LIC</b>	<b>MIAMI</b>	<b>FL</b>	<b>247C (97.3 MHz)</b>	7/30/2003	N 25° 58' 03.0"
COX RADIO, INC.					BLH-19980609KF		W 80° 12' 34.0"
c/r 309.0 m AMSL; HAAT = 307.0 m; ERP = 100 kW; DA: (ODD) ODD870227OI @ 0.0°; <b>Dx = 1.9 km; Az-to = 225.1°; Az-fr = 45.1°</b>							
<b>WEDR</b>	<b>FM</b>	<b>LIC</b>	<b>MIAMI</b>	<b>FL</b>	<b>256C1 (99.1 MHz)</b>	7/30/2003	N 25° 58' 03.0"
COX RADIO, INC.					BLH-20010628ABD		W 80° 12' 34.0"
c/r 282.5 m AMSL; HAAT = 280.0 m; ERP = 100 kW; <b>Dx = 1.9 km; Az-to = 225.1°; Az-fr = 45.1°</b>							
<b>WHQT</b>	<b>FM</b>	<b>LIC</b>	<b>CORAL GABLES</b>	<b>FL</b>	<b>286C0 (105.1 MHz)</b>	7/30/2003	N 25° 58' 03.0"
COX RADIO, INC.					BLH-19980611KB		W 80° 12' 34.0"
c/r 309.0 m AMSL; HAAT = 307.0 m; ERP = 100 kW; DA: (ODD) ODD870611KE @ 0.0°; <b>Dx = 1.9 km; Az-to = 225.1°; Az-fr = 45.1°</b>							
<b>ALLOC</b>	<b>FM</b>	<b>USE</b>	<b>MIAMI</b>	<b>FL</b>	<b>226C (93.1 MHz)</b>	7/30/2003	N 25° 57' 59.0"
COX RADIO-MIAMI, LLC							W 80° 12' 33.0"
; <b>Dx = 1.9 km; Az-to = 222.0°; Az-fr = 42.0°</b>							
<b>WLVE</b>	<b>FM</b>	<b>LIC</b>	<b>MIAMI BEACH</b>	<b>FL</b>	<b>230C0 (93.9 MHz)</b>	7/30/2003	N 25° 57' 59.0"
CLEAR CHANNEL BROADCASTING LICENSES, INC.					BMLH-19940613KH		W 80° 12' 33.0"
c/r 309.0 m AMSL; HAAT = 307.0 m; ERP = 100 kW; DA: (ODD) ODD911213ID @ 0.0°; <b>Dx = 1.9 km; Az-to = 222.0°; Az-fr = 42.0°</b>							
<b>WZTA</b>	<b>FM</b>	<b>LIC</b>	<b>MIAMI BEACH</b>	<b>FL</b>	<b>235C0 (94.9 MHz)</b>	7/30/2003	N 25° 57' 59.0"
CLEAR CHANNEL BROADCASTING LICENSES, INC.					BMLH-19940613KG		W 80° 12' 33.0"
c/r 309.0 m AMSL; HAAT = 307.0 m; ERP = 100 kW; DA: (ODD) ODD870709IB @ 0.0°; <b>Dx = 1.9 km; Az-to = 222.0°; Az-fr = 42.0°</b>							
<b>ALLOC</b>	<b>FM</b>	<b>USE</b>	<b>MIAMI</b>	<b>FL</b>	<b>243C (96.5 MHz)</b>	7/30/2003	N 25° 57' 59.0"
WPOW LICENSE LIMITED PARTNERSHIP							W 80° 12' 33.0"
; <b>Dx = 1.9 km; Az-to = 222.0°; Az-fr = 42.0°</b>							
<b>WPOW</b>	<b>FM</b>	<b>LIC</b>	<b>MIAMI</b>	<b>FL</b>	<b>243C (96.5 MHz)</b>	7/30/2003	N 25° 57' 59.0"
WPOW LICENSE LIMITED PARTNERSHIP					BMLH-19940613KA		W 80° 12' 33.0"
c/r 309.0 m AMSL; HAAT = 307.0 m; ERP = 100 kW; DA: (ODD) ODD850625MA @ 0.0°; <b>Dx = 1.9 km; Az-to = 222.0°; Az-fr = 42.0°</b>							
<b>ALLOC</b>	<b>FM</b>	<b>USE</b>	<b>MIAMI</b>	<b>FL</b>	<b>247C (97.3 MHz)</b>	7/30/2003	N 25° 57' 59.0"
COX RADIO, INC.							W 80° 12' 33.0"
; <b>Dx = 1.9 km; Az-to = 222.0°; Az-fr = 42.0°</b>							
<b>WHYI-FM</b>	<b>FM</b>	<b>LIC</b>	<b>FORT LAUDERDALE</b>	<b>FL</b>	<b>264C (100.7 MHz)</b>	7/30/2003	N 25° 57' 59.0"
CLEAR CHANNEL BROADCASTING LICENSES, INC.					BMLH-19940613KB		W 80° 12' 33.0"
c/r 309.0 m AMSL; HAAT = 307.0 m; ERP = 100 kW; DA: (ODD) ODD850322LB @ 0.0°; <b>Dx = 1.9 km; Az-to = 222.0°; Az-fr = 42.0°</b>							

**Kessler & Gehman Associates, Inc.**  
**Gainesville, FL**

Wednesday, August 06, 2003

Dataworld Database listing

TITLE: WLRN within

DB: FCC 7/30/2003 1:05:33 AM

Call Licensee name	Srv	Auth	City of license	St	Channel File number	LDM	Latitude Longitude
<b>ALLOC</b> JEFFERSON-PILOT COMMUNICATIONS COMPANY OF FLORIDA	<b>FM</b>	<b>USE</b>	<b>POMPANO BEACH</b>	<b>FL</b>	<b>274C (102.7 MHz)</b> W 80° 12' 33.0"	7/30/2003	N 25° 57' 59.0"
; Dx = 1.9 km; Az-to = 222.0°; Az-fr = 42.0°							
<b>WMXJ</b> JEFFERSON-PILOT COMMUNICATIONS COMPANY OF FLORIDA	<b>FM</b>	<b>LIC</b>	<b>POMPANO BEACH</b>	<b>FL</b>	<b>274C (102.7 MHz)</b> W 80° 12' 33.0"	7/30/2003	N 25° 57' 59.0" BMLH-19940613KF
c/r 309.0 m AMSL; HAAT = 307.0 m; ERP = 100 kW; DA: (ODD) ODD860313KC @ 0.0°; Dx = 1.9 km; Az-to = 222.0°; Az-fr = 42.0°							
<b>ALLOC</b> CLEAR CHANNEL BROADCASTING LICENSES, INC.	<b>FM</b>	<b>USE</b>	<b>FORT LAUDERDALE</b>	<b>FL</b>	<b>278C (103.5 MHz)</b> W 80° 12' 33.0"	7/30/2003	N 25° 57' 59.0"
; Dx = 1.9 km; Az-to = 222.0°; Az-fr = 42.0°							
<b>WMIB</b> CLEAR CHANNEL BROADCASTING LICENSES, INC.	<b>FM</b>	<b>LIC</b>	<b>FORT LAUDERDALE</b>	<b>FL</b>	<b>278C (103.5 MHz)</b> BMLH-19940613KC	7/30/2003	N 25° 57' 59.0" W 80° 12' 33.0"
c/r 309.0 m AMSL; HAAT = 307.0 m; ERP = 100 kW; DA: (ODD) ODD841105IV @ 0.0°; Dx = 1.9 km; Az-to = 222.0°; Az-fr = 42.0°							
<b>ALLOC</b> COX RADIO, INC.	<b>FM</b>	<b>USE</b>	<b>CORAL GABLES</b>	<b>FL</b>	<b>286C0 (105.1 MHz)</b> W 80° 12' 33.0"	7/30/2003	N 25° 57' 59.0"
; Dx = 1.9 km; Az-to = 222.0°; Az-fr = 42.0°							
<b>WAMR-FM</b> WQBA-FM LICENSE CORP.	<b>FM</b>	<b>LIC</b>	<b>MIAMI</b>	<b>FL</b>	<b>298C1 (107.5 MHz)</b> BMLH-19940613KD	7/30/2003	N 25° 57' 59.0" W 80° 12' 33.0"
c/r 309.0 m AMSL; HAAT = 307.0 m; ERP = 95 kW; DA: (ODD) ODD870302PG @ 0.0°; Dx = 1.9 km; Az-to = 222.0°; Az-fr = 42.0°							
<b>ALLOC</b> JEFFERSON-PILOT COMMUNICATIONS COMPANY OF FLORIDA	<b>FM</b>	<b>USE</b>	<b>MIAMI</b>	<b>FL</b>	<b>268C1 (101.5 MHz)</b> W 80° 12' 44.0"	7/30/2003	N 25° 57' 59.0"
; Dx = 2.2 km; Az-to = 228.0°; Az-fr = 48.0°							
<b>WLYF</b> JEFFERSON-PILOT COMMUNICATIONS COMPANY OF FLORIDA	<b>FM</b>	<b>LIC</b>	<b>MIAMI</b>	<b>FL</b>	<b>268C1 (101.5 MHz)</b> W 80° 12' 44.0"	7/30/2003	N 25° 57' 59.0" BLH-5032
c/r 250.0 m AMSL; HAAT = 247.0 m; ERP = 100 kW; Dx = 2.2 km; Az-to = 228.0°; Az-fr = 48.0°							
<b>ALLOC</b> WKIS LICENSE LIMITED PARTNERSHIP	<b>FM</b>	<b>USE</b>	<b>BOCA RATON</b>	<b>FL</b>	<b>260C (99.9 MHz)</b> W 80° 10' 27.0"	7/30/2003	N 25° 59' 34.0"
; Dx = 2.6 km; Az-to = 55.9°; Az-fr = 235.9°							
<b>WKIS</b> WKIS LICENSE LIMITED PARTNERSHIP	<b>FM</b>	<b>LIC</b>	<b>BOCA RATON</b>	<b>FL</b>	<b>260C (99.9 MHz)</b> BLH-19871216KH	7/30/2003	N 25° 59' 34.0" W 80° 10' 27.0"
c/r 302.0 m AMSL; HAAT = 300.0 m; ERP = 100 kW; DA: (ODD) ODD871216KH @ 0.0°; Dx = 2.6 km; Az-to = 55.9°; Az-fr = 235.9°							
<b>ALLOC</b> CLEAR CHANNEL BROADCASTING LICENSES, INC.	<b>FM</b>	<b>USE</b>	<b>FORT LAUDERDALE</b>	<b>FL</b>	<b>264C (100.7 MHz)</b> W 80° 10' 27.0"	7/30/2003	N 25° 59' 34.0"
; Dx = 2.6 km; Az-to = 55.9°; Az-fr = 235.9°							
<b>ALLOC</b> ADWAVE COMPANY	<b>FM</b>	<b>USE</b>	<b>FORT LAUDERDALE</b>	<b>FL</b>	<b>290C0 (105.9 MHz)</b> W 80° 10' 27.0"	7/30/2003	N 25° 59' 34.0"
; Dx = 2.6 km; Az-to = 55.9°; Az-fr = 235.9°							
<b>WBGGM-FM</b> CLEAR CHANNEL BROADCASTING LICENSES, INC.	<b>FM</b>	<b>LIC</b>	<b>FORT LAUDERDALE</b>	<b>FL</b>	<b>290C0 (105.9 MHz)</b> BLH-20030425ABI	7/30/2003	N 25° 59' 34.0" W 80° 10' 27.0"
c/r 314.0 m AMSL; HAAT = 314.0 m; ERP = 100 kW; DA: (ODD) ODD850122IU @ 0.0°; Dx = 2.6 km; Az-to = 55.9°; Az-fr = 235.9°							

**Kessler & Gehman Associates, Inc.**  
**Gainesville, FL**

Wednesday, August 06, 2003

Dataworld Database listing

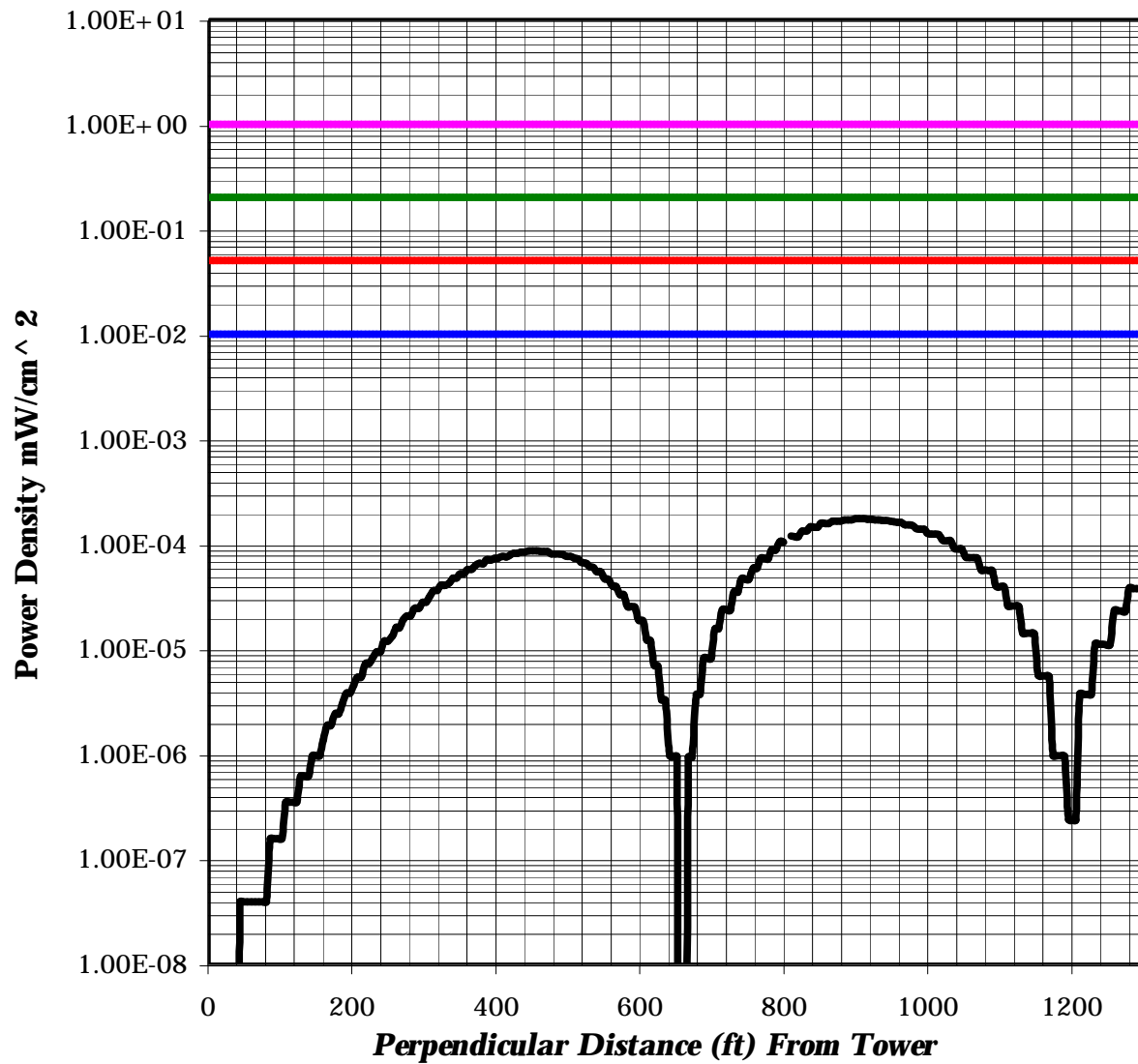
TITLE: WLRN within

DB: FCC 7/30/2003 1:05:33 AM

<u>Call</u>	<u>Srv</u>	<u>Auth</u>	<u>City of license</u>	<u>St</u>	<u>Channel</u>	<u>LDM</u>	<u>Latitude</u>
<u>Licensee name</u>					<u>File number</u>		<u>Longitude</u>
<b>ALLOC</b>	<b>FM</b>	<b>USE</b>	<b>FORT LAUDERDALE</b>	<b>FL</b>	<b>294C0 (106.7 MHz)</b>	7/30/2003	N 25° 59' 34.0"
WRMA LICENSING, INC.							W 80° 10' 27.0"
; <b>Dx = 2.6 km; Az-to = 55.9°; Az-fr = 235.9°</b>							
<b>WRMA</b>	<b>FM</b>	<b>LIC</b>	<b>FORT LAUDERDALE</b>	<b>FL</b>	<b>294C0 (106.7 MHz)</b>	7/30/2003	N 25° 59' 34.0"
WRMA LICENSING, INC.					BLH-19860116KB		W 80° 10' 27.0"
c/r 302.0 m AMSL; HAAT = 300.0 m; ERP = 100 kW; DA: (ODD) ODD840801AB @ 0.0°; <b>Dx = 2.6 km; Az-to = 55.9°; Az-fr = 235.9°</b>							

>> End of FCC Database Listing <<  
29 records retrieved

## FAR FIELD EXPOSURE TO RF EMISSIONS



- Maximum Occupational Controlled Exposure
- Maximum General Population or Uncontrolled Exposure
- 5% of Maximum Occupational Controlled Exposure
- 5% of Maximum General Population or Uncontrolled Exposure
- Proposed Power Density 2 Meters Above Ground Level

**KESSLER & GEHMAN**

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EXHIBIT E9

METHODOLOGY AND EXPLANATION OF  
ENVIRONMENTAL IMPACT / RADIO FREQUENCY RADIATION  
HAZARD ANALYSIS

An analysis has been made of the human exposure to radio frequency radiation ("RFR") using the calculation methodology described in *OET Bulletin 65, Edition, 97-01*. The resulting chart is conducted using the following methodology.

Methodology

Terrain<sup>1</sup> extraction is compiled from the proposed tower site through 0.25 miles in 0.001 mile increments for 360 radials. The power density is calculated for each terrain point at 6 feet above ground level using the elevation pattern of the proposed broadcast antenna. The power density calculations were conducted using the lower edge of the proposed channel frequency. To account for ground reflections, a coefficient of 1.6 was included in the calculation.

RFR Chart

For simplicity of display the following method was chosen to display the RFR values: Of the 360 radials the power density was analyzed and the maximum values were chosen for display for each 0.001 mile increment from the tower. The resulting maximum values were then charted as the black line.

The purple line represents the maximum occupational controlled exposure level for the given frequency.

The green line represents the maximum general population or uncontrolled exposure level for the given frequency.

The red line represents 5% of the maximum occupational controlled exposure level for the given frequency.

The blue line represents 5% of the maximum general population or uncontrolled exposure level for the given frequency.

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<sup>1</sup> Terrain extraction is based upon a 3 arc second point spacing terrain database