

WLUF-LP DIGITAL CHANNEL 5
MINOR MODIFICATION OF
CONSTRUCTION PERMIT APPLICATION
GAINESVILLE, FLORIDA
(BOARD OF TRUSTEES, UNIVERSITY OF FLORIDA)

KESSLER AND GEHMAN ASSOCIATES, INC.
TELECOMMUNICATIONS CONSULTING ENGINEERS

20100113

Prepared by William T. Godfrey, Jr.

KG&A

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Gainesville, Florida 32607



Kessler and Gehman Associates, Inc.

Telecommunications Consulting Engineers

ENGINEERING TECHNICAL STATEMENT PREPARED BY WILLIAM T. GODFREY, JR. OF THE FIRM KESSLER AND GEHMAN ASSOCIATES, INC. (KGA), TELECOMMUNICATIONS CONSULTING ENGINEERS IN CONNECTION WITH A MINOR MODIFICATION OF CONSTRUCTION PERMIT APPLICATION REQUESTING AUTHORIZATION TO CHANGE ANTENNAS AND INCREASE ANTENNA HEIGHT FOR THE WLUF-LP DIGITAL CHANNEL 5 LOW POWER TELEVISION (LPTV) FACILITY (BDISDTL-20060403ANS) LICENSED TO THE BOARD OF TRUSTEES, UNIVERSITY OF FLORIDA ("UNIVERSITY"), GAINESVILLE, FLORIDA.

The firm Kessler and Gehman Associates, Inc. has been retained by the Board of Trustees, University of Florida ("University"), Gainesville, FL to prepare engineering studies and the engineering portion of a minor modification of construction permit application requesting authorization to change antennas and increase the antenna height for the authorized WLUF-LP digital Channel 5 Low Power Television (LPTV) facility.

Summary

The WLUF-LP digital facility is authorized (BDISDTL-20060403ANS) to operate on Channel 5 with an ERP of 0.3 kW at an antenna height radiation center of 170 meters Above Ground Level (AGL) using a Dielectric model THA-O4-2/8-1 side-mounted, nondirectional antenna. Prior to the cessation of the digital conversion, the University operated its WUFT-DT digital Channel *36 and its WUFT-TV analog Channel *5 facilities using a common UHF/VHF, top-mount antenna (Dielectric model TUV-30GTH/4M O8/O4). When the WUFT-TV Channel *5 analog facility ceased operation, the University filed a digital displacement application for the WLUF-LP facility to change channels from analog Channel 10 to digital Channel 5 due to excessive interference WLUF-LP was receiving on Channel 10. Rather than purchasing a new side-mount, nondirectional antenna, the University proposes to operate the WLUF-LP facility using the existing UHF/VHF nondirectional, top-mount antenna currently used by the WUFT-DT Channel *36 digital facility and previously used by the WUFT-TV Channel *5 analog



facility. This will actually improve coverage, due to the increased antenna height, which will benefit the public and the community of Gainesville, FL. Accordingly, this minor modification of construction permit application requests authorization to make the following changes: 1) change antennas from the authorized Dielectric model THA-O4-2/8-1 nondirectional, side-mount antenna to the proposed Dielectric model TUV-30GTH/4M O8/O4 nondirectional, top-mount antenna; and 2) increase the antenna height radiation center by 78 meters (256 ft) from the authorized height of 170.0 meters AGL to the proposed height of 248.0 meters AGL.

Exhibit 8 is a principal community contour map demonstrating that the proposed WLUF-LP digital Channel 5 F(50,90) 43.0 dBuV/m contour completely encompasses the principal community of Gainesville, FL. Exhibit 9 compares the authorized WLUF-LP facility (blue contour) with the proposed WLUF-LP facility (red contour) and demonstrates that the proposed facility will exceed coverage in all azimuthal directions.

Interference Protection

The proposed WLUF-LP digital Channel 5 facility satisfies the interference protection provisions of Sections 74.709, 74.793(e), 74.793(f), 74.793(g), 74.793(h), 74.794(b) and 73.1030 of the FCC Rules. Exhibit 10 is a Longley-Rice interference study that was computed using a Sun Microsystems computer work station loaded with the FCC's LPTV interference analysis software. The interference percentages are exactly the same as the FCC calculations since the study was performed using the same type computer and the same interference analysis software. Referring to Exhibit 10, it can be seen that the proposed WLUF-LP digital Channel 5 facility is predicted to cause "NO" interference to any station. Exhibit 10 also demonstrates that the proposed WLUF-LP digital Channel 5 facility satisfies the requirements for FCC Monitoring Stations, West Virginia Quiet Zones, Table Mountain, and Canadian/Mexican border coordination. Accordingly, the proposed WLUF-LP digital Channel 5 facility satisfies the interference protection provisions of 47 C.F.R. Sections 74.709, 74.793(e), 74.793(f), 74.793(g), 74.793(h), 74.794(b) and 73.1030 of the FCC Rules.



Transmitter Site

The proposed WLUF-LP digital Channel 5 antenna is a Dielectric model TUV-30GTH/4M O8/O4 nondirectional, top-mount antenna. The tower is registered with the FCC and the Antenna Structure Registration Number (ASRN) is 1029807. The antenna support structure is located at 4732 NW 53rd Street in Gainesville, FL. The proposed antenna height radiation center is 248.0 meters AGL (Exhibit 3).

Exhibits

Exhibits 1 and 2 represent WLUF's administration data as well as the antenna and antenna structure specifications for the proposed digital Channel 5.

Exhibit 3 depicts the profile view of the antenna on the antenna structure with all the appropriate elevations.

Exhibits 4 (11 deg) and 5 (90 deg) display the elevation pattern and Exhibit 6 displays the elevation pattern tabulation.

Exhibit 7 depicts the location of the WLUF-LP transmitter site using the Gainesville West, FLA topographic map.

Exhibit 8 is a principal community contour map demonstrating that the proposed WLUF-LP digital Channel 5 facility's F(50,90) 43.0 dBuV/m contour completely encompasses the principal community of Gainesville, FL.

Exhibit 9 is a contour map comparing the authorized WLUF-LP digital Channel 5 F(50,90) 43.0 dBuV/m contour (blue) and the proposed WLUF-LP digital Channel 5 F(50,90) 43.0 dBuV/m contour (red).



Exhibit 10 is a Longley-Rice interference study computed using a Sun Microsystems computer work station loaded with the FCC's LPTV interference analysis software. The exhibit demonstrates compliance with the interference requirements pursuant to Sections 74.709, 74.793(e), 74.793(f), 74.793(g), 74.793(h), 74.794(b) and 73.1030 of the FCC Rules.

Environmental Impact

The proposed construction will have no significant environmental impact as defined in §1.1307 of the FCC Rules. The digital transmitter, 7-3/16-inch (75-ohm) transmission line and antenna system shall produce an ERP of 0.3 kW. It was determined that the maximum lobe of radiation from the base of the tower will occur at approximately 524.4 feet from the base of the tower (962.8 ft radial distance from the antenna center). At approximately 524.4 feet from the base of the tower, the depression angle of the main lobe will be approximately 57° below the horizontal. At that point, the relative field is 0.255 and the power density six feet above the ground will be approximately 0.00001 mW/cm². This equates to only 0.001% of the Maximum Permissible Exposure (MPE) limits for Occupational/Controlled Exposure and only 0.004% of the MPE limits for General Population/Uncontrolled Exposure authorized by the American National Standards Institute (ANSI). Since operation of the proposed WLUF-LP digital Channel 5 facility will not exceed 5.0% of the MPE limit for Occupational/Controlled Exposure or General Population/Uncontrolled Exposure at any point on the ground, the proposed facility is not considered a "significant contributor" to the RF exposure environment pursuant to OET Bulletin 65, Edition 97-01. Therefore, contributions of exposure from other sources were not accounted for in this analysis. It is safe to conclude that the emissions will be insignificant and well within the maximum allowable requirements.

If other antennas are placed on the tower in the future, the licensee will cooperate with those users by reducing or completely terminating the power to the antenna when maintenance workers are in danger from the electromagnetic radiation emanating from the antenna. It is also understood that additional antennas on the support structure could increase the overall RF exposure levels and it is the responsibility of each licensee to ensure that the total RF exposure



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resulting from the operation of all antennas on the support structure do not exceed the maximum permissible exposure level at any point on the ground.

Certification

This technical statement was prepared by William T. Godfrey, Telecommunications Consultant with Kessler and Gehman Associates, Inc. having offices in Gainesville, Florida and has been working in the field of radio and television broadcast consulting since 1998. He graduated from the University of North Florida with a Bachelor of Arts degree in Criminal Justice and a minor in Mathematics in 1993. As a Professional in the field of Telecommunications he states under penalty of perjury that the information contained in this report is true and correct to the best of his knowledge and belief.



KESSLER AND GEHMAN ASSOCIATES, INC.


WILLIAM T. GODFREY, JR.
Telecommunications Technical Consultant

13 January, 2010

WLUF-LP Digital Channel 5

Gainesville, Florida

ENGINEERING SPECIFICATIONS

A. Transmitter Site:

Geographic coordinates (NAD27):

North Latitude	29° 42' 34"
West Longitude	82° 23' 40"

Transmitter Site Address: **4732 NW 53RD Street, Gainesville, Florida.**

**B. Main Studio Site Address: 2200 Weimer Hall, University of Florida,
Gainesville, Florida 32611.**

Proposed LPTV Facility:

Digital Channel:	Number:.....	5
	Frequency:.....	76-82 MHz
	Offset:.....	N/A
	Emission Mask:.....	Simple

C. Antenna Height:

Height of Site Above Mean Sea Level (AMSL).....	54.9 M
Overall Height of Structure Above Ground	257.2 M
(including all appurtenances)	
Overall Height of Structure Above Mean Sea Level	312.1 M
(including all appurtenances)	
Height of Site Above Average Terrain	16.3 M
Antenna Height Radiation Center (R/C) Above Ground	248.0 M
Antenna Height R/C Above Mean Sea Level	302.9 M
Average of All Non-Odd Radials	38.6 M
Antenna Height R/C Above Average Terrain	264.3 M

D. System Parameters – Horizontal Polarization:

Average Power Required:.....	0.07 kW
Input Power:.....	0.06 kW
Transmission Line Loss:.....	0.50 dB
Transmission Line Efficiency:.....	89.1%
Maximum Antenna Gain in Beam Maximum:.....	6.99 dB
Maximum Antenna Gain in Horizontal Plane:.....	6.99 dB
Maximum Effective Radiated Power:.....	-5.23 dBk
In Beam Maximum:.....	0.3 kW
Maximum Effective Radiated Power:.....	-5.23 dBk
In Horizontal Plane:.....	0.3 kW

WLUF-LP Digital Channel 5

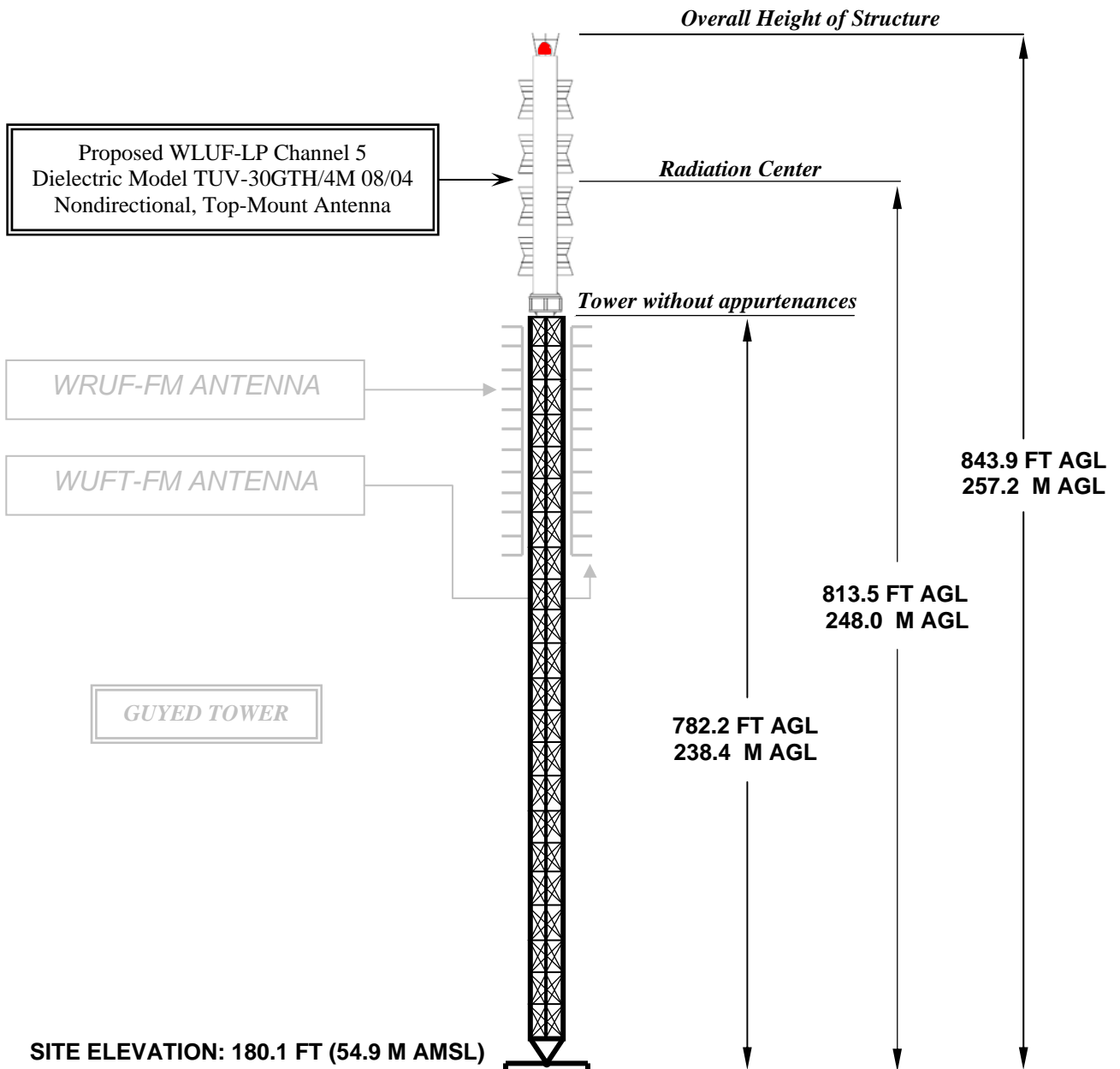
Gainesville, Florida

DATA FOR PROPOSED NONDIRECTIONAL TRANSMITTING ANTENNA

- A. **Antenna:** Dielectric Model TUV-30GTH/4M O8/O4, Nondirectional, Horizontally Polarized, Digital Channel 5, Top-mount Antenna.
- B. **Electrical Beam Tilt:** None
- C. **Mechanical Beam Tilt:** None
- D.

<u>Maximum Power Gain</u>	<u>Horizontal Polarization</u>
Maximum: 5.0	(6.99 dB)
Horizontal: 5.0	(6.99 dB)
- E. **Length:** 57.7 feet (17.6 meters) without lightning protector
- F. **Transmitter Power Output:** 0.07 kW
- G. **Antenna Input Power:** 0.06 kW
- H. **Null Fill:** 1.9%
- I. **Transmission Line:** 7-3/16" 75-ohm EIA/DCA
- J. **Transmission Line Loss:** 0.058 dB/100-feet
- K. **Total Transmission Line:** 860 feet (262.1 meters)
- L. **Transmission Line Attenuation:** 0.50 dB
- M. **Emission Mask:** Simple

ELEVATION VIEW



OVERALL HEIGHT AGL: 257.2 M
OVERALL HEIGHT AMSL: 312.1 M
RADIATION CENTER AGL: 248.0 M
RADIATION CENTER AMSL: 302.9 M
RADIATION CENTER HAAT: 264.3 M
AVG OF ALL NON-ODD RADIALS: 38.6 M
SITE HAAT: 16.3 M

COORDINATES (NAD 27):
N. LATITUDE 29° 42' 34"
W. LONGITUDE 82° 23' 40"
Antenna Structure Registration Number:
 1029807

NOTE: NOT TO SCALE

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WLUF-LP Digital Channel 5
 Gainesville, Florida

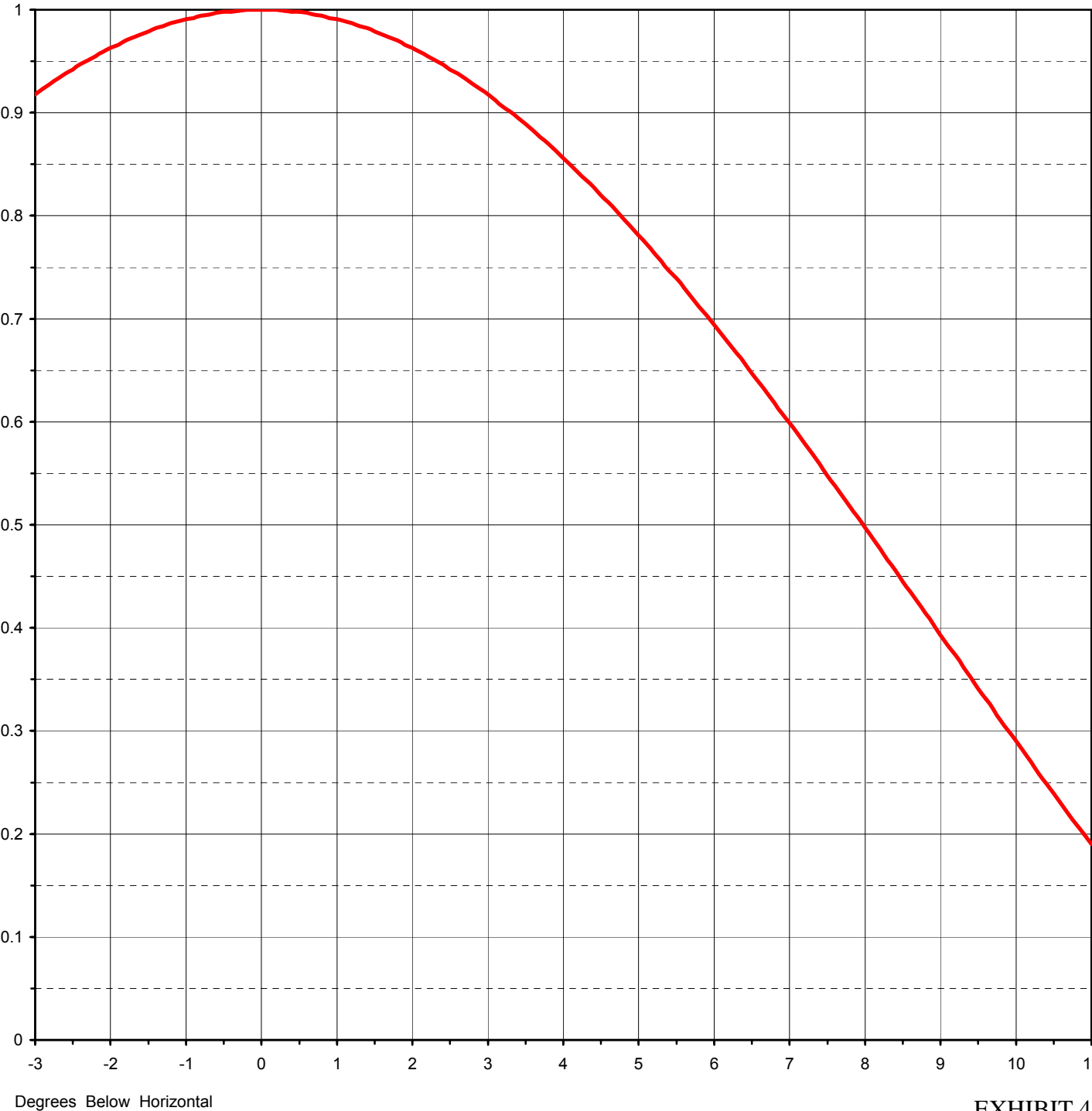
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EXHIBIT 3

Proposal Number	DCA-10071	Revision:	1
Date	9-Oct-02		
Call Letters	WUFT	Channel	5
Location	Gainesville, FL		
Customer	University of Florida		
Antenna Type	TUV-30GTH/4M O8/O4		

ELEVATION PATTERN

RMS Gain at Main Lobe	4.20	(6.23 dB)	Beam Tilt	0.00 deg
RMS Gain at Horizontal	4.20	(6.23 dB)	Frequency	79.00 MHz
Calculated / Measured	Calculated		Drawing #	04S042000

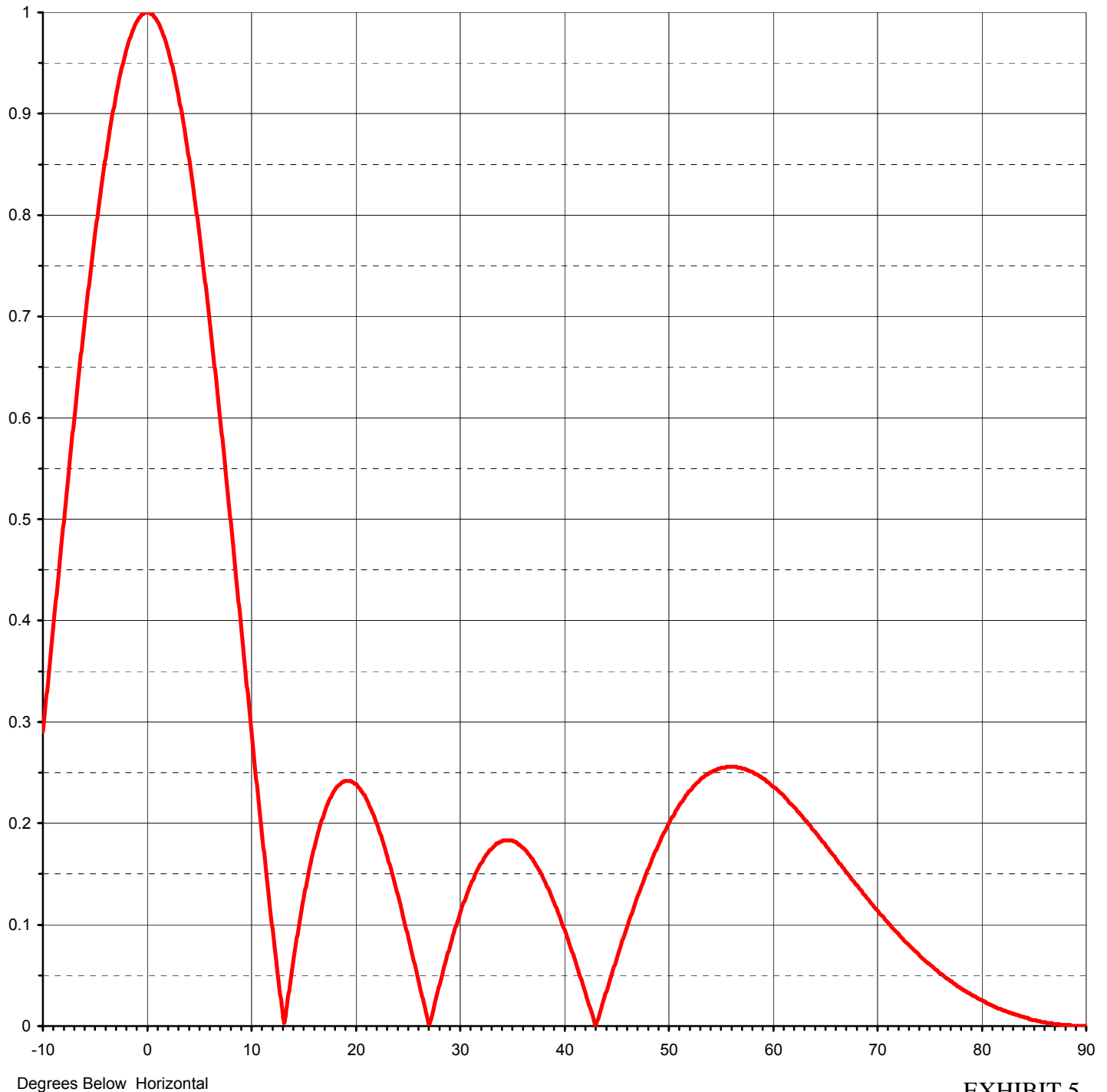


Proposal Number	DCA-10071	Revision:	1
Date	9-Oct-02		
Call Letters	WUFT	Channel	5
Location	Gainesville, FL		
Customer	University of Florida		
Antenna Type	TUV-30GTH/4M 08/O4		

ELEVATION PATTERN

RMS Gain at Main Lobe	4.20	(6.23 dB)
RMS Gain at Horizontal	4.20	(6.23 dB)
Calculated / Measured	Calculated	

Beam Tilt	0.00 deg
Frequency	79.00 MHz
Drawing #	04S042000-90

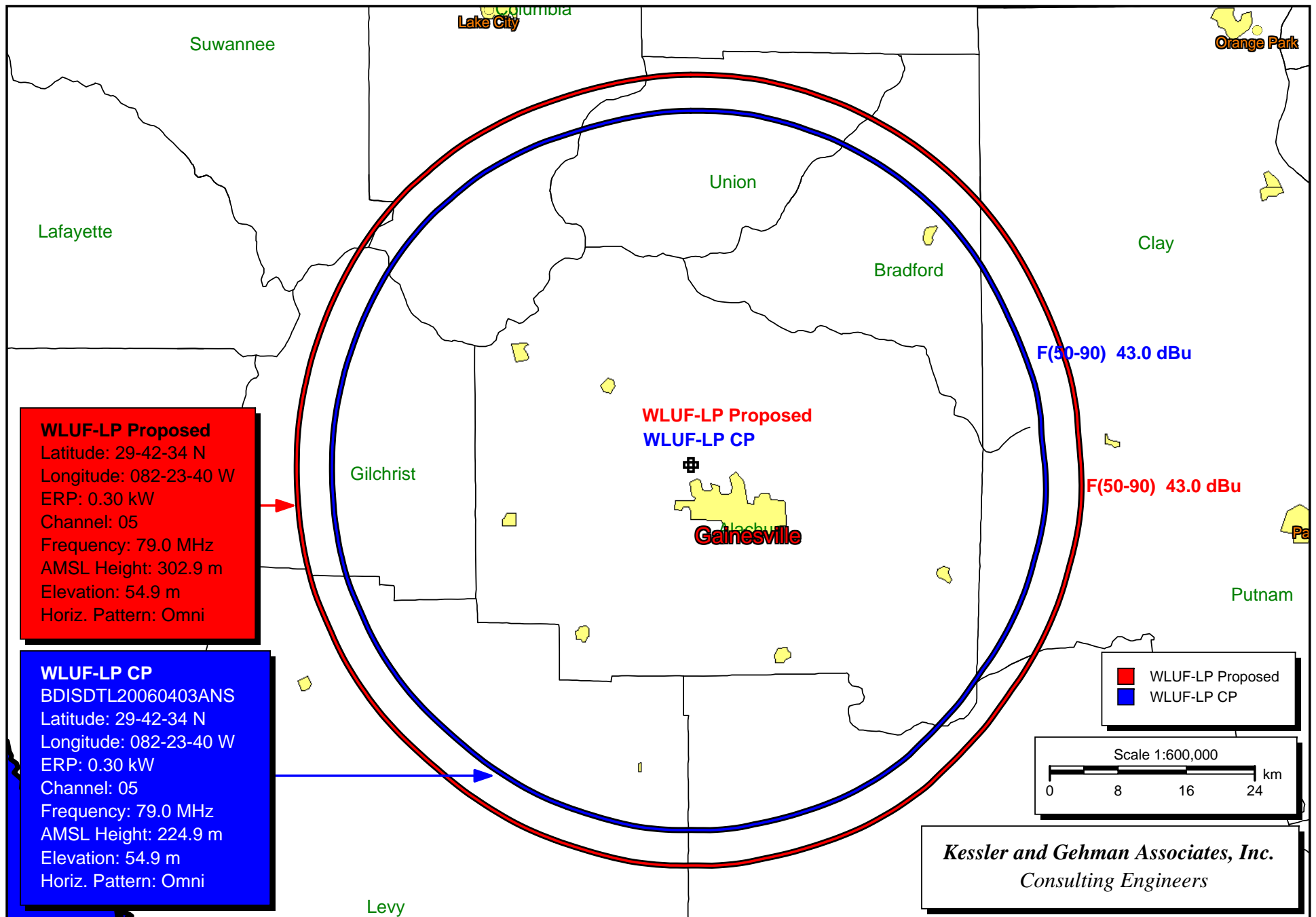


Proposal Number **DCA-10071** Revision: **1**
 Date **9-Oct-02**
 Call Letters **WUFT** Channel **5**
 Location **Gainesville, FL**
 Customer **University of Florida**
 Antenna Type **TUV-30GTH/4M 08/O4**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **04S042000-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.290	2.4	0.947	10.6	0.239	30.5	0.123	51.0	0.216	71.5	0.096
-9.5	0.341	2.6	0.938	10.8	0.219	31.0	0.137	51.5	0.224	72.0	0.091
-9.0	0.393	2.8	0.928	11.0	0.200	31.5	0.149	52.0	0.231	72.5	0.085
-8.5	0.445	3.0	0.918	11.5	0.151	32.0	0.159	52.5	0.237	73.0	0.080
-8.0	0.497	3.2	0.906	12.0	0.105	32.5	0.167	53.0	0.242	73.5	0.075
-7.5	0.548	3.4	0.895	12.5	0.061	33.0	0.174	53.5	0.246	74.0	0.070
-7.0	0.599	3.6	0.883	13.0	0.019	33.5	0.179	54.0	0.250	74.5	0.065
-6.5	0.647	3.8	0.870	13.5	0.020	34.0	0.182	54.5	0.252	75.0	0.061
-6.0	0.694	4.0	0.856	14.0	0.057	34.5	0.183	55.0	0.254	75.5	0.056
-5.5	0.739	4.2	0.842	14.5	0.090	35.0	0.183	55.5	0.255	76.0	0.052
-5.0	0.781	4.4	0.828	15.0	0.121	35.5	0.181	56.0	0.256	76.5	0.048
-4.5	0.820	4.6	0.813	15.5	0.148	36.0	0.177	56.5	0.256	77.0	0.044
-4.0	0.856	4.8	0.797	16.0	0.171	36.5	0.172	57.0	0.255	77.5	0.041
-3.5	0.889	5.0	0.781	16.5	0.192	37.0	0.165	57.5	0.253	78.0	0.037
-3.0	0.918	5.2	0.764	17.0	0.208	37.5	0.157	58.0	0.251	78.5	0.034
-2.8	0.928	5.4	0.747	17.5	0.222	38.0	0.147	58.5	0.248	79.0	0.031
-2.6	0.938	5.6	0.730	18.0	0.232	38.5	0.136	59.0	0.245	79.5	0.028
-2.4	0.947	5.8	0.712	18.5	0.238	39.0	0.124	59.5	0.241	80.0	0.025
-2.2	0.955	6.0	0.694	19.0	0.242	39.5	0.111	60.0	0.237	80.5	0.023
-2.0	0.963	6.2	0.676	19.5	0.242	40.0	0.098	60.5	0.233	81.0	0.020
-1.8	0.970	6.4	0.657	20.0	0.239	40.5	0.083	61.0	0.228	81.5	0.018
-1.6	0.976	6.6	0.638	20.5	0.234	41.0	0.068	61.5	0.223	82.0	0.016
-1.4	0.982	6.8	0.618	21.0	0.226	41.5	0.052	62.0	0.217	82.5	0.014
-1.2	0.987	7.0	0.599	21.5	0.215	42.0	0.036	62.5	0.211	83.0	0.012
-1.0	0.991	7.2	0.579	22.0	0.202	42.5	0.019	63.0	0.205	83.5	0.010
-0.8	0.994	7.4	0.559	22.5	0.188	43.0	0.003	63.5	0.199	84.0	0.009
-0.6	0.997	7.6	0.538	23.0	0.171	43.5	0.014	64.0	0.193	84.5	0.007
-0.4	0.998	7.8	0.518	23.5	0.153	44.0	0.031	64.5	0.185	85.0	0.006
-0.2	1.000	8.0	0.497	24.0	0.134	44.5	0.047	65.0	0.179	85.5	0.005
0.0	1.000	8.2	0.477	24.5	0.114	45.0	0.063	65.5	0.172	86.0	0.004
0.2	1.000	8.4	0.456	25.0	0.093	45.5	0.079	66.0	0.165	86.5	0.003
0.4	0.998	8.6	0.435	25.5	0.071	46.0	0.095	66.5	0.159	87.0	0.002
0.6	0.997	8.8	0.414	26.0	0.049	46.5	0.110	67.0	0.152	87.5	0.001
0.8	0.994	9.0	0.393	26.5	0.027	47.0	0.125	67.5	0.145	88.0	0.001
1.0	0.991	9.2	0.373	27.0	0.006	47.5	0.139	68.0	0.139	88.5	0.001
1.2	0.987	9.4	0.352	27.5	0.015	48.0	0.152	68.5	0.133	89.0	0.000
1.4	0.982	9.6	0.331	28.0	0.036	48.5	0.165	69.0	0.126	89.5	0.000
1.6	0.976	9.8	0.321	28.5	0.056	49.0	0.177	69.5	0.120	90.0	0.000
1.8	0.970	10.0	0.300	29.0	0.074	49.5	0.188	70.0	0.114		
2.0	0.963	10.2	0.280	29.5	0.092	50.0	0.198	70.5	0.108		
2.2	0.955	10.4	0.259	30.0	0.108	50.5	0.207	71.0	0.102		



WLUF-LP Digital Channel 5 CP vs. Proposed WLUF-LP Digital Channel 5

Census data selected: 2000

Post DTV Transition Database Selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 01-12-2010 Time: 12:15:49

Record Selected for Analysis

WLUF-LP USERRECORD-01 GAINESVILLE FL US
Channel 05 ERP 0.3 kW HAAT 265. m RCAMSL 00303 m SIMPLE MASK
Latitude 029-42-34 Longitude 0082-23-40
Status APP Zone 3 Border
Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 0.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	43.0 dBu F(50,90) (km)
0.0	0.300	257.0	45.6
45.0	0.300	257.0	45.6
90.0	0.300	257.0	45.6
135.0	0.300	265.9	46.1
180.0	0.300	278.2	46.9
225.0	0.300	269.4	46.3
270.0	0.300	265.3	46.1
315.0	0.300	266.4	46.2

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Call	City/State	ARN
05	WLUF-LP	GAINESVILLE FL	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
05	WJJN-LP	DOTHAN AL	333.9	CP	BPTVA	-20020730AAL
05	WJJN-LP	DOTHAN AL	326.8	LIC	BLTTL	-19991223ABR
05	NEW	PANAMA CITY FL	312.0	APP	BNPDVL	-20090928AAF
05	W05CO	SARASOTA FL	263.9	LIC	BLTVL	-20050412AEI
05	NEW	VIDALIA GA	278.6	APP	BNPTVL	-20000828AIP
06	WABW-TV	PELHAM GA	227.9	CP MOD	BMPEDT	-20080619AKP

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	WJJN-LP	DOTHAN AL	BPTVA	-20020730AAL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
05	WBXM-CA	MONTGOMERY AL	152.6	STA	BSTA	-20040326ALT
05	NEW	PANAMA CITY FL	123.9	APP	BNPDVL	-20090928AAF
06	NEW	DOTHAN AL	42.3	APP	BNPDVL	-20090902ADC
06	WABW-TV	PELHAM GA	122.8	CP MOD	BMPEDT	-20080619AKP
05	WLUF-LP	GAINESVILLE FL	333.9	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	WJJN-LP	DOTHAN AL	BLTTL	-19991223ABR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
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05	WBXM-CA	MONTGOMERY AL	159.9	STA	BSTA	-20040326ALT
05	WBXM-CA	MONTGOMERY AL	159.9	LIC	BLTVA	-20050425ABN
05	NEW	PANAMA CITY FL	119.7	APP	BNPDVL	-20090928AAF
06	NEW	DOTHAN AL	49.6	APP	BNPDVL	-20090902ADC
06	WABW-TV	PELHAM GA	117.2	CP MOD	BMPEDT	-20080619AKP
05	WLUF-LP	GAINESVILLE FL	326.8	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
05	NEW	PANAMA CITY FL	BNPDVL -20090928AAF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
06	NEW	DOTHAN AL	155.5	APP	BNPDVL -20090902ADC
05	WLUF-LP	GAINESVILLE FL	312.0	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
05	W05CO	SARASOTA FL	BLTVL -20050412AEI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
05	WLUF-LP	GAINESVILLE FL	263.9	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
05	NEW	VIDALIA GA	BNPTVL -20000828AIP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
05	NEW	PANAMA CITY FL	380.0	APP	BNPDVL -20090928AAF
05	NEW	MYRTLE BEACH SC	365.3	APP	BNPDVL -20090908ABE
06	WCES-TV	WRENS GA	116.6	CP MOD	BMPEDT -20080619AKQ

06	WCES-TV	WRENS GA	116.6	PLN	DTVPLN	-DTVP0036
05	WLUF-LP	GAINESVILLE FL	278.6	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
06	WABW-TV	PELHAM GA	BMPEDT	-20080619AKP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
06	WUOA	TUSCALOOSA AL	364.1	CP MOD	BMPCDT	-20081028AAZ
06	WUOA	TUSCALOOSA AL	388.2	PLN	DTVPLN	-DTVP0033
06	WCES-TV	WRENS GA	291.6	CP MOD	BMPEDT	-20080619AKQ
06	WCES-TV	WRENS GA	291.6	PLN	DTVPLN	-DTVP0036
05	WLUF-LP	GAINESVILLE FL	227.9	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	WLUF-LP	GAINESVILLE FL	USERRECORD-01	

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
05	NEW	PANAMA CITY FL	312.0	APP	BNPDVL	-20090928AAF

Total scenarios = 1

Result key: 1

Scenario 1 Affected station 7 WLUF-LP
Before Analysis

Results for: 5A FL GAINESVILLE USERRECORD01 APP
HAAT 265.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	319942	6662.5
not affected by terrain losses	319942	6662.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

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