

APPLICATION FOR MINOR
AMENDMENT TO A PENDING DTV
BROADCAST STATION WFXU-DT
FCC FILE NO.: BPCDT-20080617ABP
TO MAXIMIZE AND OPERATE IN THE PRE
AND POST DTV TRANSITION PERIOD
BUDD BROADCASTING CO., INC
LIVE OAK, FLORIDA

KESSLER & GEHMAN ASSOCIATES, INC.
TELECOMMUNICATIONS CONSULTING ENGINEERS

20080820

Prepared by Ryan Wilhour

KG&A

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

KESSLER AND GEHMAN ASSOCIATES, INC.

ENGINEERING STATEMENT OF RYAN WILLOUR OF THE FIRM KESSLER AND
GEHMAN ASSOCIATES, INC., CONSULTING ENGINEERS IN CONNECTION WITH
AN APPLICATION FOR MINOR AMENDMENT TO A PENDING DTV BROADCAST
STATION APPLICATION FOR WFXU-DT FCC FILE NUMBER BPCDT-20080617ABP
TO MAXIMIZE OPERATION IN THE POST AND PRE DTV TRANSITION PERIOD
WFXU-DT
BUDD BROADCASTING CO., INC.
LIVE OAK, FLORIDA

This firm has been employed by Budd Broadcasting Co., Inc. "BBCI" to prepare engineering studies and a minor amendment to a pending application (FCC file number BPCDT-20080617ABP) for DTV maximization.

BBCI, licensee of WFXU-DT, Channel 48 herein proposes to amend the following parameters for its DTV operation.

- Amend the proposed antenna rotation from 48 degrees to 88 degrees.
- Amend the proposed antenna from a Propagation System Inc - PSILPD24BG-48 to a Systems With Reliability, Inc. – SWEDM24BFS/48-DT which share identical azimuth patterns but slightly different elevation patterns.

ATTACHED FIGURES

In carrying out the engineering studies the following attached figures were prepared:

1. Engineering specifications (Exhibit E1)
2. Elevation drawing of the antenna system (Exhibit E2)
3. Antenna elevation and azimuth relative field and dBk Patterns (Exhibit E3)
4. USGS 7.5 minute topographic quadrangle showing the proposed transmitter location and the coordinate lines (Exhibit E4)
5. Map showing the predicted DTV coverage contour (Exhibit E5)
6. Allocation analysis (Exhibit E6)
7. Environmental impact/ RFR hazard analysis (Exhibit E7)
8. Coverage area and population gain / loss analysis (Exhibit E8)

ALLOCATION ANALYSIS

It is herein proposed to amend the above referenced channel 48 digital facility to maximize its coverage area without causing impermissible interference to other pre and post DTV transition facilities. Exhibit E6 demonstrates the interference considerations for the proposed facility and further illustrates complete compliance to all interference threshold criteria. Exhibit E8A demonstrates that WFXU as currently licensed (FCC File No: BLCDDT-20071113ACD), provides no first DTV service areas. The noise limited contour covers 182,376 people and 7822 km². Exhibit E8B demonstrates WFXU as amended and also provides no first DTV service areas; however, this proposed maximization makes better use of the available spectrum since it covers 407,063 people and 13092 km².

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 E7 is a RFR study demonstrating compliance within 5% of the most restrictive permissible exposure at any location 2 meters above the ground. Exhibit E7 calculations were made using a frequency of 674 MHz, which is the lower edge of the proposed channel. To account for ground reflections, a coefficient of 1.6 was included in the calculations.

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 WFXU-DT 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.

DECLARATION OF ENGINEER

The foregoing statement and the report regarding the aforementioned engineering work are true and correct to the best of my knowledge. Executed on August 20, 2008.

A stylized signature consisting of the letters 'KGA' in a large, elegant, serif font. The signature is positioned above a horizontal line that extends to the left and right, with the 'K' and 'A' partially overlapping the line.

Ryan Wilhour

KESSLER AND GEHMAN ASSOCIATES, INC.

A handwritten signature in blue ink, appearing to read "Ryan Wilbrow".

Consulting Engineer

WFXU-DT

LIVE OAK, FLORIDA

ENGINEERING SPECIFICATIONS

- A. Transmitter Site (NAD 27)
- | | |
|----------------------------|---|
| North Latitude | 29 ° 48 ' 42 " |
| West Longitude | 82 ° 42 ' 34 " |
| Street Address or Location | 5889 NE County RD Box 340
High Springs, FL |
- B. Proposed Facility
- | | | |
|-------------|-----------|-------------|
| DTV Channel | Number | 48 |
| | Frequency | 674-680 MHz |
- C. Elevations
- | | |
|---|---------|
| Height of Site Above Mean Sea Level (AMSL) | 22.9 m |
| Overall Height of Structure Above Ground
(including all appurtenances) | 152.4 m |
| Overall Height of Structure Above Mean Sea Level
(including all appurtenances) | 175.3 m |
| Effective Height of Antenna Above Ground | 146.0 m |
| Effective Height of Antenna Above Average Terrain | 149.1 m |
| Effective Height of Antenna Above Mean Sea Level | 168.9 m |
- D. Antenna Parameters – Horizontal Polarization
- | | |
|--|-----------|
| Maximum Antenna Gain in Beam Maximum | 18.75 dB |
| Maximum Antenna Gain in Horizontal Plane | 17.23 dB |
| Maximum Effective Radiated Power | 25.92 dBk |
| In Beam Maximum | 390.8 kW |
| Maximum Effective Radiated Power | 24.40 dBk |
| In Horizontal Plane | 275.4 kW |

WFXU-DT

LIVE OAK, 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	0.360	N180°E	0.210
N010°E	0.390	N190°E	0.200
N020°E	0.390	N200°E	0.190
N030°E	0.400	N210°E	0.180
N040°E	0.510	N220°E	0.200
N050°E	0.790	N230°E	0.270
N060°E	0.930	N240°E	0.370
N070°E	0.990	N250°E	0.510
N080°E	0.980	N260°E	0.690
N090°E	0.890	N270°E	0.890
N100°E	0.690	N280°E	0.980
N110°E	0.510	N290°E	0.990
N120°E	0.370	N300°E	0.930
N130°E	0.270	N310°E	0.790
N140°E	0.200	N320°E	0.510
N150°E	0.180	N330°E	0.400
N160°E	0.190	N340°E	0.390
N170°E	0.200	N350°E	0.390

NOTE: THIS PATTERN WILL BE ROTATED 88 DEGREES FROM TRUE NORTH
SYSTEMS WITH RELIABILITY, INC - SWEDM24BFS/48-DT
RELATIVE FIELD OF 1.0 AT 75 AND 285 DEGREES

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WFXU-DT
LIVE OAK, FLORIDA

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EXHIBIT E3A

WFXU-DT

LIVE OAK, 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	0.360	N180°E	0.210
N010°E	0.390	N190°E	0.200
N020°E	0.390	N200°E	0.190
N030°E	0.400	N210°E	0.180
N040°E	0.510	N220°E	0.200
N050°E	0.790	N230°E	0.270
N060°E	0.930	N240°E	0.370
N070°E	0.990	N250°E	0.510
N080°E	0.980	N260°E	0.690
N090°E	0.890	N270°E	0.890
N100°E	0.690	N280°E	0.980
N110°E	0.510	N290°E	0.990
N120°E	0.370	N300°E	0.930
N130°E	0.270	N310°E	0.790
N140°E	0.200	N320°E	0.510
N150°E	0.180	N330°E	0.400
N160°E	0.190	N340°E	0.390
N170°E	0.200	N350°E	0.390

NOTE: THIS PATTERN WILL BE ROTATED 88 DEGREES FROM TRUE NORTH
 SYSTEMS WITH RELIABILITY, INC - SWEDM24BFS/48-DT
 RELATIVE FIELD OF 1.0 AT 75 AND 285 DEGREES

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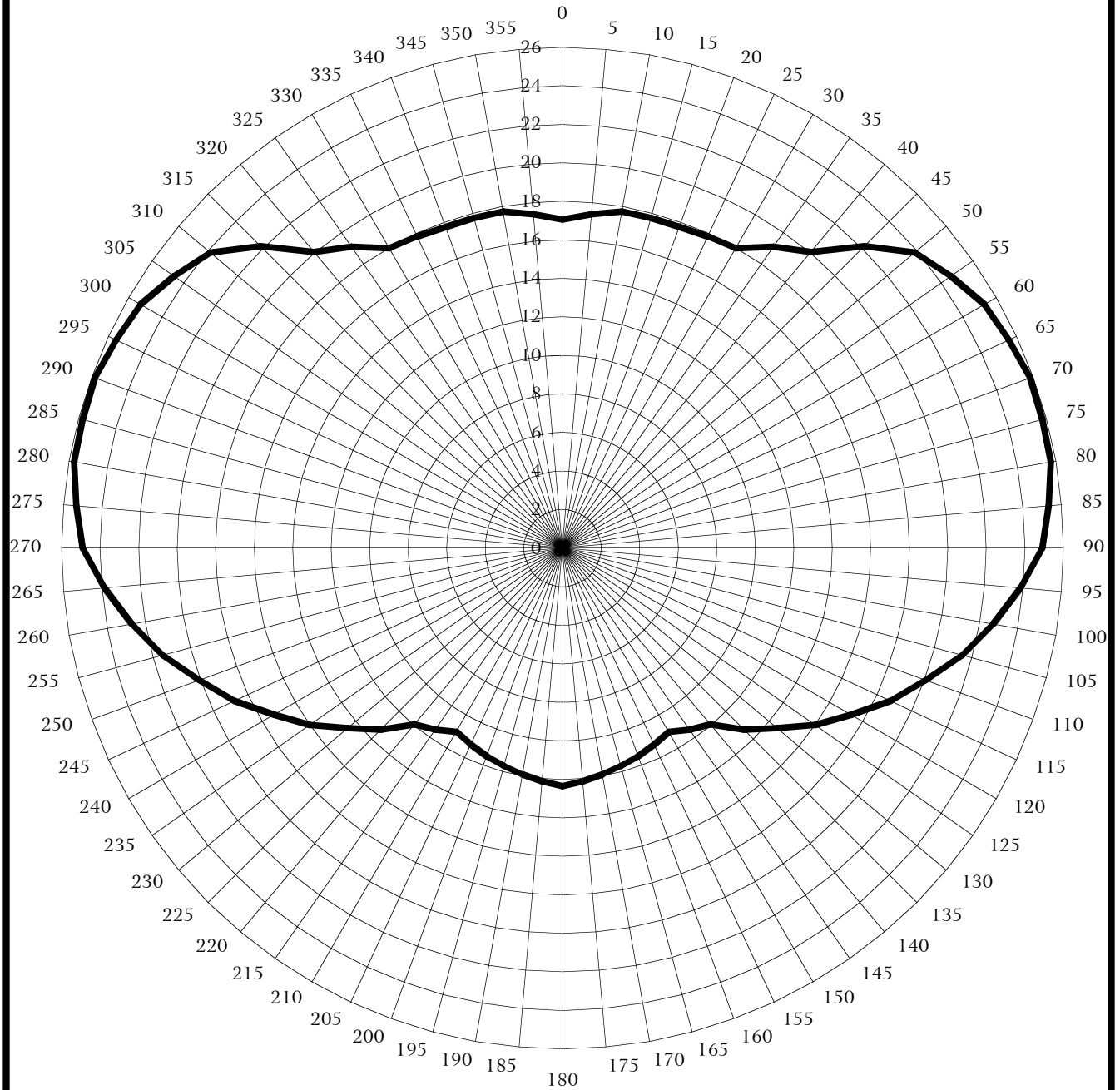
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EXHIBIT E3A

ERP - dBk



SYSTEMS WITH RELIABILITY, INC - SWEDM24BFS/48-DT
ORIENTED WITH BEAM MAXIMA OF 1.0 AT 75° AND 285°
AZIMUTH DIRECTIVITY GAIN: 2.95 (4.7 dB)

NOTE: THIS PATTERN WILL BE ROTATION 88 DEGREES FROM TRUE NORTH

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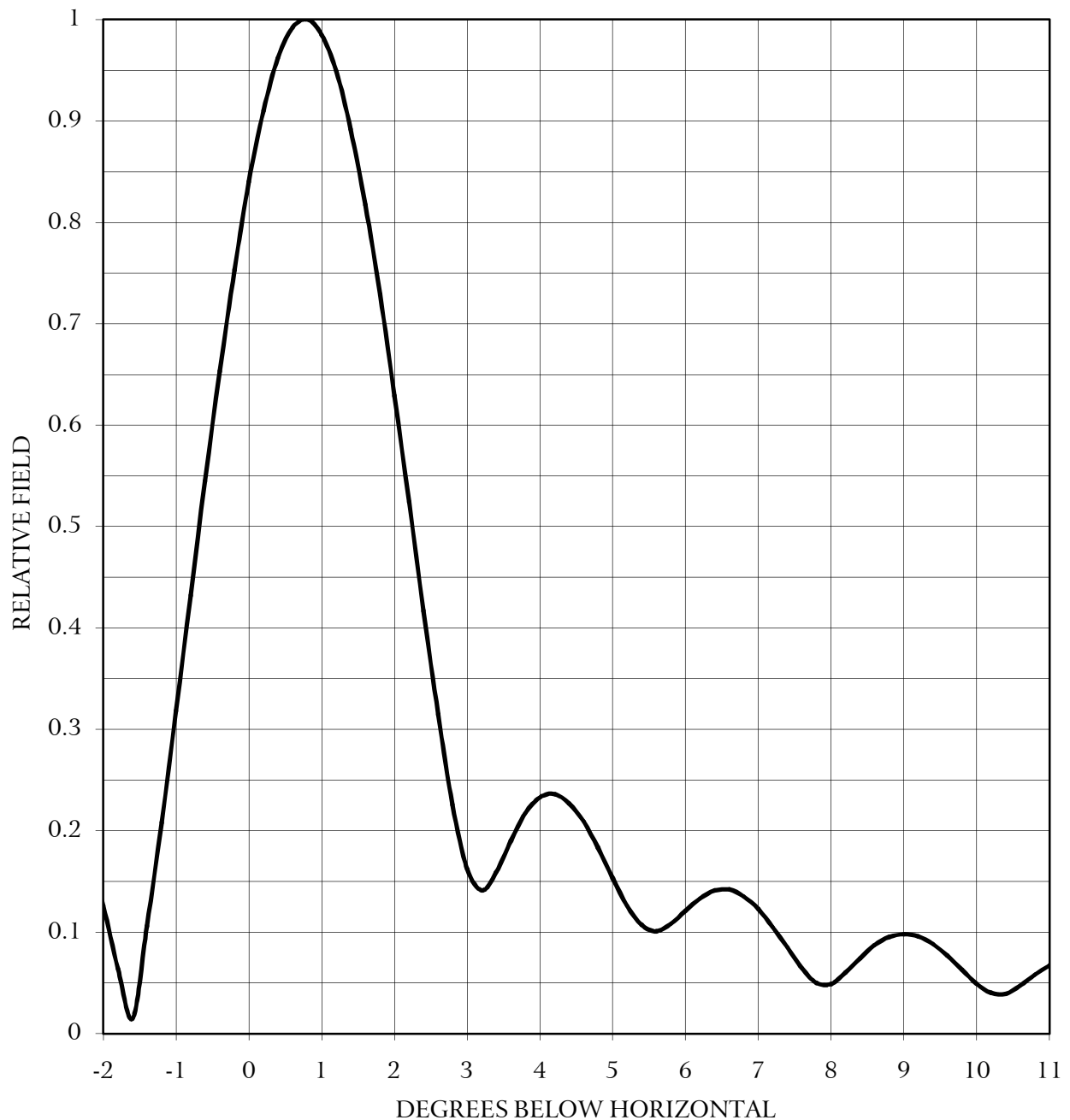
EXHIBIT E3C

ELEVATION PATTERN

SYSTEMS WITH RELIABILITY, INC - SWEDM24BFS/48-DT

RMS Gain at Main Lobe 25.422 (14.052 dBd)
RMS Gain at Horizontal 17.934 (12.537 dBd)

Beam Tilt -0.75 deg
Frequency 677.0 MHz



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LIVE OAK, FLORIDA

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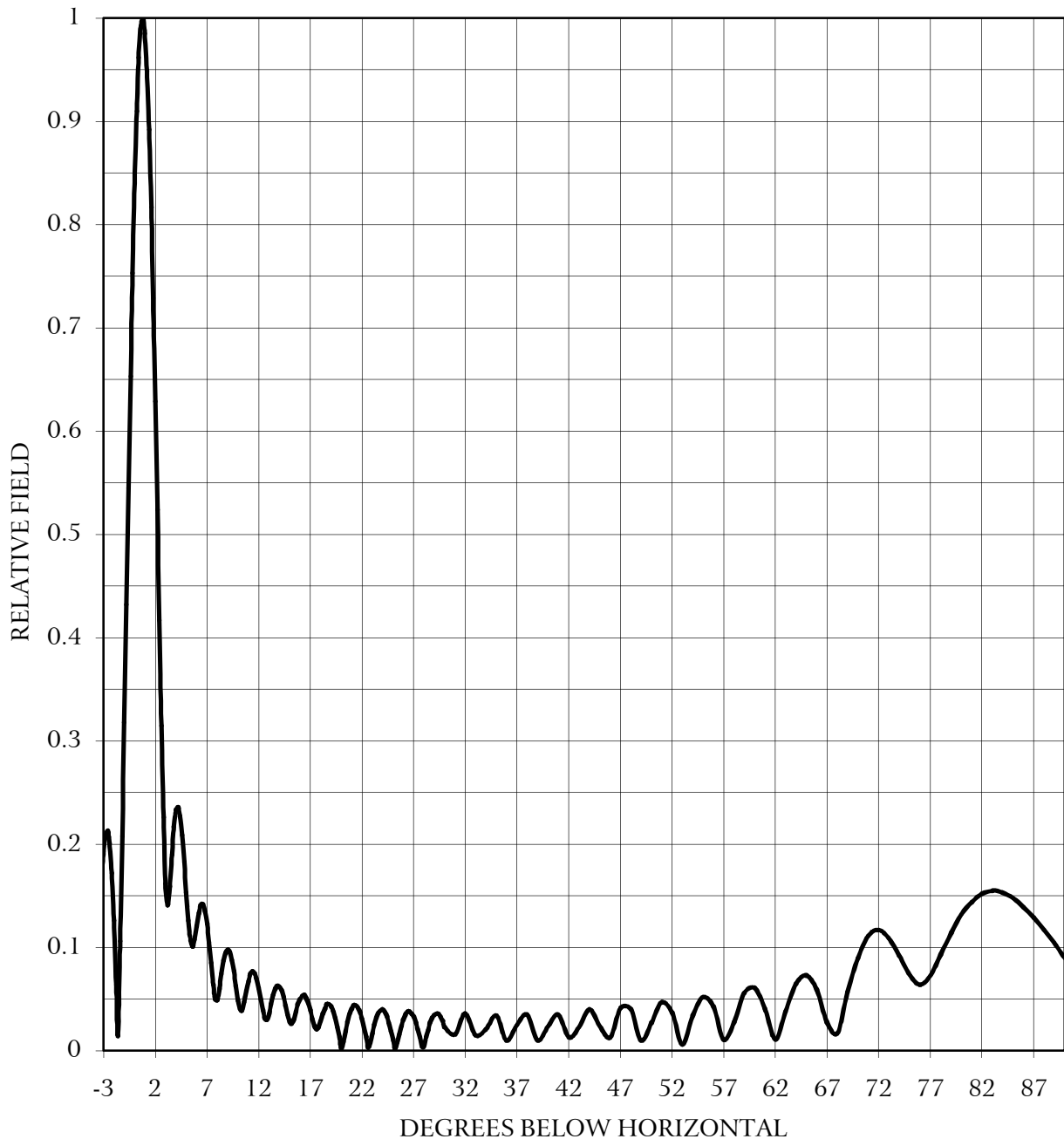
EXHIBIT E3D

ELEVATION PATTERN

SYSTEMS WITH RELIABILITY, INC - SWEDM24BFS/48-DT

RMS Gain at Main Lobe 25.422 (14.052 dBd)
RMS Gain at Horizontal 17.934 (12.537 dBd)

Beam Tilt -0.75 deg
Frequency 677.0 MHz

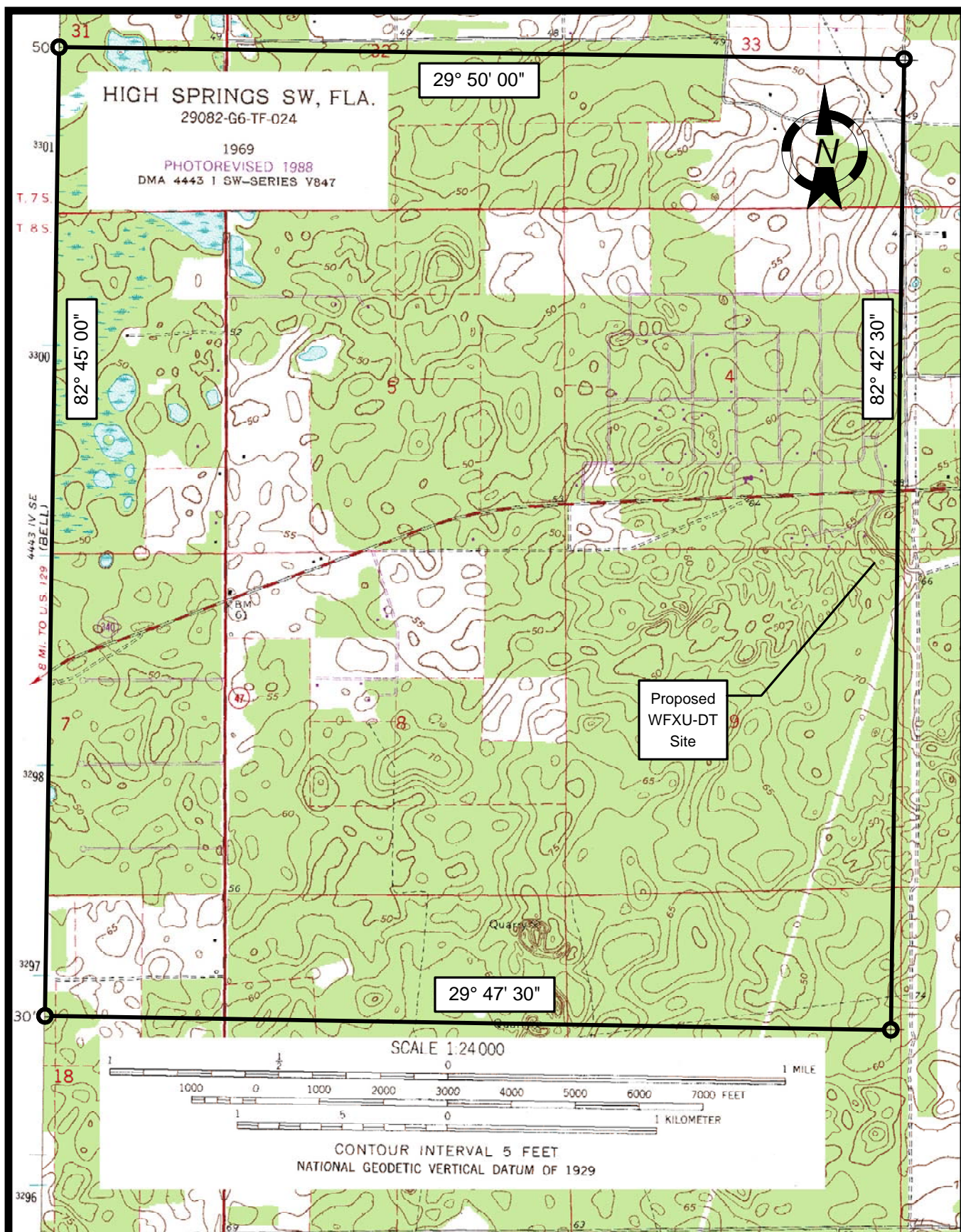


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EXHIBIT E3E



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WFXU-DT

LIVE OAK, FLORIDA

20080820

EXHIBIT E4

KESSLER AND GEHMAN ASSOCIATES, INC.

WFXU-DT LIVE OAK, FL

Exhibit E6, PAGE 1 of 15

Percent allowed new interference: 0.500
Percent allowed new interference to Class A: 0.500
Census data selected 2000
Post Transition Data Base Selected ./data_files/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 08-05-2008 Time: 08:51:10

Record Selected for Analysis

WFXU-D.A USERRECORD-01 LIVE OAK FL US
Channel 48 ERP 390.79 kW HAAT 149. m RCAMSL 00169 m
Latitude 029-48-42 Longitude 0082-42-34
Status APP Zone 3 Border
Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 88.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	322.192	150.0	72.7
45.0	137.885	148.9	68.3
90.0	52.349	146.4	63.4
135.0	194.784	147.0	69.9
180.0	282.346	144.7	71.6
225.0	19.087	148.4	58.8
270.0	16.907	150.6	58.4
315.0	24.229	157.6	60.6

Evaluation toward Class A Stations

Contour overlap to Class A station
WZRA-CA 48 OLDSMAR FL BLTTA 20061130AAL
D/U ratio at contour 32.24 dB

Contour overlap to Class A station
WJGV-LP 48 PALATKA FL BLTTL 20010614ADP

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WFXU-D.A 48 LIVE OAK FL USERRECORD01

and station

SHORT TO: 960724KW 41 LAKE CITY FL BPET 19960724KW
030-17- 7 0082-11- 1
Req. separation => 24.1 <= 96.6 Actual separation 73.0 Short 23.6(48.9) km

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WFXU-DT LIVE OAK, FL

Exhibit E6, PAGE 2 of 15

SHORT TO: WYKE-LP 47 INGLIS-YANKEETOWN FL BLTTA 20050308AAA
028-53- 2 0082-31-20
Req. separation => 24.0 <= 110.0 Actual separation 104.4 Short 5.6(80.4) km

SHORT TO: WFXU 48 LIVE OAK FL DTVPLN DTVPL1703
30 -40-51 83 -58-21
Req. separation 223.7 Actual separation 155.1 Short 68.6 km

SHORT TO: WOPX 48 MELBOURNE FL BPCDT 20080620AKI
028-35-12 0081-04-58
Req. separation 223.7 Actual separation 208.5 Short 15.2 km

SHORT TO: WJGV-LP 48 PALATKA FL BDFCDTA 20080306ABS
029-34-48 0081-41-59
Req. separation 223.7 Actual separation 101.0 Short 122.7 km

SHORT TO: WOGX 51 OCALA FL BMLCT 20041029AIN
029-21-32 0082-19-43
Req. separation => 24.1 <= 96.6 Actual separation 62.3 Short 34.3(38.2) km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

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	Proposed Station Call City/State	ARN
48	WFXU-D.A LIVE OAK FL	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	WBXG-CA	GAINESVILLE FL	33.6	LIC	BLTTA	-20030911AAZ
33	WBXG-CA	GAINESVILLE FL	34.4	APP	BMPTTA	-20020510AAK
45	WYPN-CA	GAINESVILLE FL	48.4	LIC	BLTTA	-20041001AGJ
47	WYKE-LP	INGLIS-YANKEETOWN FL	104.7	LIC	BLTTA	-20050308AAA
47	WFTT-TV	TAMPA FL	223.2	LIC	BLCDDT	-20060912ADB
47	WFTT-TV	TAMPA FL	223.2	PLN	DTVPLN	-DTVPL1671
48	WRJM-TV	TROY AL	397.4	CP	BPCDDT	-19991101AKR
48	WRJM-TV	TROY AL	397.3	PLN	DTVPLN	-DTVPL1695
48	WFBD	DESTIN FL	406.4	LIC	BLCDDT	-20050906AAT
48	WFBD	DESTIN FL	406.4	PLN	DTVPLN	-DTVPL1702
48	WDES-CA	DESTIN FL	370.9	LIC	BLTTTL	-19970509JB
48	WOPX	MELBOURNE FL	208.4	APP	BPCDDT	-20080620AKI
48	WOPX	MELBOURNE FL	245.4	PLN	DTVPLN	-DTVPL1704

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WFXU-DT LIVE OAK, FL

Exhibit E6, PAGE 3 of 15

48	WOPX	MELBOURNE FL	245.4	LIC	BLCDT	-20020510AAH
48	WZRA-CA	OLDSMAR FL	172.6	LIC	BLTTA	-20061130AAL
48	WJGV-LP	PALATKA FL	100.8	APP	BDFCDTA	-20080306ABS
48	WJGV-LP	PALATKA FL	100.8	LIC	BLTTL	-20010614ADP
48	W48CX	HILTON HEAD ISLAND SC	319.7	LIC	BLTTA	-20051014ACY
49	WVEN-TV	DAYTONA BEACH FL	167.1	LIC	BLCDT	-20070329ADC
49	WVEN-TV	DAYTONA BEACH FL	167.1	PLN	DTVPLN	-DTVP1733
49	WTLH	BAINBRIDGE GA	155.1	PLN	DTVPLN	-DTVP1736

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Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
33	WBXG-CA	GAINESVILLE FL	BLTTA -20030911AAZ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
26	WVEN-TV	DAYTONA BEACH FL	98.0	LIC	BLCT -20041026ACV
26	WVEN-TV	DAYTONA BEACH FL	98.0	APP	BSTA -20080205AJH
31	WOGX	OCALA FL	32.9	LIC	BLCDT -20020730ABS
31	WOGX	OCALA FL	32.9	PLN	DTVPLN -DTVP1137
32	WAWS	JACKSONVILLE FL	108.2	LIC	BLCDT -20030328ANQ
32	WAWS	JACKSONVILLE FL	108.2	PLN	DTVPLN -DTVP1175
33	WDFX-TV	OZARK AL	352.0	APP	BPCDT -20080620AGU
33	WDFX-TV	OZARK AL	352.0	PLN	DTVPLN -DTVP1205
33	WDFX-TV	OZARK AL	352.0	LIC	BLCDT -20050915APH
33	W33BL	CHIEFLAND FL	42.0	LIC	BLTTL -19960415IC
33	WUJF-LP	MAXVILLE FL	108.2	LIC	BLTTL -20070119ADT
33	WCEU	NEW SMYRNA BEACH FL	175.0	LIC	BLEDT -20050121AKU
33	WCEU	NEW SMYRNA BEACH FL	175.0	PLN	DTVPLN -DTVP1213
33	WRXY-TV	TICE FL	323.5	LIC	BLCDT -20060627ABA
33	WRXY-TV	TICE FL	323.5	PLN	DTVPLN -DTVP1214
33	WRXY-TV	TICE FL	323.5	APP	BPCDT -20080619ADR
34	WCWJ	JACKSONVILLE FL	108.4	LIC	BLCDT -20060630AFM
34	WCWJ	JACKSONVILLE FL	108.4	PLN	DTVPLN -DTVP1245
34	W56EJ	WILLISTON FL	32.9	APP	BDISTTL -20071205ABE
36	WUFT	GAINESVILLE FL	7.7	LIC	BLEDT -20040304AAF
36	WUFT	GAINESVILLE FL	7.7	PLN	DTVPLN -DTVP1321
47	WTEV-TV	JACKSONVILLE FL	108.2	LIC	BLCT -19881116KG
48	WFXU-D.A	LIVE OAK FL	33.6	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.
33	WBXG-CA	GAINESVILLE FL	BMPTTA -20020510AAK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
26	WVEN-TV	DAYTONA BEACH FL	97.4	LIC	BLCT -20041026ACV
26	WVEN-TV	DAYTONA BEACH FL	97.4	APP	BSTA -20080205AJH
31	WOGX	OCALA FL	31.6	LIC	BLCDT -20020730ABS
31	WOGX	OCALA FL	31.6	PLN	DTVPLN -DTVP1137
32	WAWS	JACKSONVILLE FL	109.0	LIC	BLCDT -20030328ANQ
32	WAWS	JACKSONVILLE FL	109.0	PLN	DTVPLN -DTVP1175
33	WDFX-TV	OZARK AL	352.7	APP	BPCDT -20080620AGU
33	WDFX-TV	OZARK AL	352.7	PLN	DTVPLN -DTVP1205
33	WDFX-TV	OZARK AL	352.7	LIC	BLCDT -20050915APH

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WFXU-DT LIVE OAK, FL

Exhibit E6, PAGE 4 of 15

33	W33BL	CHIEFLAND FL	41.5	LIC	BLTTL	-19960415IC
33	WUJF-LP	LAKE CITY FL	109.0	APP	BSTA	-20061113AFW
33	WUJF-LP	MAXVILLE FL	109.0	LIC	BLTTL	-20070119ADT
33	WCEU	NEW SMYRNA BEACH FL	174.1	LIC	BLEDT	-20050121AKU
33	WCEU	NEW SMYRNA BEACH FL	174.1	PLN	DTVPLN	-DTVP1213
33	WRXY-TV	TICE FL	322.2	LIC	BLCDT	-20060627ABA
33	WRXY-TV	TICE FL	322.2	PLN	DTVPLN	-DTVP1214
33	WRXY-TV	TICE FL	322.2	APP	BPCDT	-20080619ADR
33	W33BX	TIFTON GA	230.2	LIC	BLTT	-20000627AHH
34	WCWJ	JACKSONVILLE FL	109.2	LIC	BLCDT	-20060630AFM
34	WCWJ	JACKSONVILLE FL	109.2	PLN	DTVPLN	-DTVP1245
34	W56EJ	WILLISTON FL	31.6	APP	BDISTTL	-20071205ABE
36	WUFT	GAINESVILLE FL	8.9	LIC	BLEDT	-20040304AAF
36	WUFT	GAINESVILLE FL	8.9	PLN	DTVPLN	-DTVP1321
47	WTEV-TV	JACKSONVILLE FL	109.0	LIC	BLCT	-19881116KG
48	WJGV-LP	PLATKA FL	69.7	LIC	BLTTL	-20010614ADP
48	WFXU-D.A	LIVE OAK FL	34.4	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.
45	WYPN-CA	GAINESVILLE FL	BLTTA -20041001AGJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
42	WJXT	JACKSONVILLE FL	110.4	LIC	BLCDT -20020405AAX
42	WJXT	JACKSONVILLE FL	110.4	PLN	DTVPLN -DTVP1496
44	WJEB-TV	JACKSONVILLE FL	110.0	APP	BPET -20020523AAR
44	WJEB-TV	JACKSONVILLE FL	110.0	PLN	DTVPLN -DTVP1568
44	WJEB-TV	JACKSONVILLE FL	110.0	CP	BPEDT -20080618ADQ
44	WJEB-TV	JACKSONVILLE FL	110.0	LIC	BLEDT -20060313AEB
45	W45BZ	JACKSONVILLE FL	110.0	LIC	BLTTL -20020806AAA
45	W45BZ	JACKSONVILLE FL	110.0	APP	BMPTTL -20010124AJP
45	WTGL	LEESBURG FL	160.1	APP	BSTA -20080307ABC
45	WTGL	LEESBURG FL	160.1	LIC	BLET -20050915ADP
45	WXCW	NAPLES FL	310.0	LIC	BLCDT -20021030ACB
45	WXCW	NAPLES FL	310.0	PLN	DTVPLN -DTVP1607
45	NEW	OCALA FL	19.7	APP	BNPTTL -20000828BHQ
45	WVUP-CA	TALLAHASSEE FL	214.6	LIC	BLTTA -20040727AEJ
45	W45CS	TRENTON FL	49.9	CP	BNPTTL -20000828ASW
45	WGNM	MACON GA	377.6	LIC	BLCDT -20050621CRQ
45	WGNM	MACON GA	377.6	PLN	DTVPLN -DTVP1609
45	W45CU	WAYCROSS GA	192.1	LIC	BLTTL -20070301ABU
49	WVEN-TV	DAYTONA BEACH FL	118.8	LIC	BLCDT -20070329ADC
49	WVEN-TV	DAYTONA BEACH FL	118.8	PLN	DTVPLN -DTVP1733
59	WJEB-TV	JACKSONVILLE FL	110.0	LIC	BLET -19910604KE
48	WFXU-D.A	LIVE OAK FL	48.4	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.
47	WYKE-LP	INGLIS-YANKEETOWN FL	BLTTA -20050308AAA

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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KESSLER AND GEHMAN ASSOCIATES, INC.

WFXU-DT LIVE OAK, FL

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46	WTGL	LEESBURG FL	144.1	LIC	BLED	-20050915ALL
46	WTGL	LEESBURG FL	144.1	PLN	DTVPLN	-DTVP1641
46	WTGL	LEESBURG FL	144.1	CP	BPED	-20080612AAG
47	WAMI-TV	HOLLYWOOD FL	395.6	LIC	BLCD	-20021015ABJ
47	WAMI-TV	HOLLYWOOD FL	395.6	PLN	DTVPLN	-DTVP1669
47	WAMI-TV	HOLLYWOOD FL	395.6	CP	BPCD	-20060113ACR
47	WPCT	PANAMA CITY BEACH FL	346.4	LIC	BLCD	-20030613AAG
47	WPCT	PANAMA CITY BEACH FL	346.4	PLN	DTVPLN	-DTVP1670
47	WFTT-TV	TAMPA FL	118.5	LIC	BLCD	-20060912ADB
47	WFTT-TV	TAMPA FL	118.5	PLN	DTVPLN	-DTVP1671
48	WOPX	MELBOURNE FL	144.1	APP	BPCD	-20080620AKI
48	WOPX	MELBOURNE FL	162.4	PLN	DTVPLN	-DTVP1704
48	WOPX	MELBOURNE FL	162.4	LIC	BLCD	-20020510AAH
48	WFXU-D.A	LIVE OAK FL	104.7	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.
47	WFTT-TV	TAMPA FL	BLCD	-20060912ADB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
46	WTGL	LEESBURG FL	142.1	LIC	BLED	-20050915ALL
46	WTGL	LEESBURG FL	142.1	PLN	DTVPLN	-DTVP1641
46	WTGL	LEESBURG FL	142.1	CP	BPED	-20080612AAG
47	WAMI-TV	HOLLYWOOD FL	290.9	LIC	BLCD	-20021015ABJ
47	WAMI-TV	HOLLYWOOD FL	290.9	PLN	DTVPLN	-DTVP1669
47	WAMI-TV	HOLLYWOOD FL	290.9	CP	BPCD	-20060113ACR
48	WOPX	MELBOURNE FL	142.1	APP	BPCD	-20080620AKI
48	WOPX	MELBOURNE FL	115.2	PLN	DTVPLN	-DTVP1704
48	WOPX	MELBOURNE FL	115.2	LIC	BLCD	-20020510AAH
48	WFXU-D.A	LIVE OAK FL	223.2	APP	USERRECORD	-01

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
47	WFTT-TV	TAMPA FL	DTVPLN	-DTVP1671

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
46	WTGL	LEESBURG FL	142.1	LIC	BLED	-20050915ALL
46	WTGL	LEESBURG FL	142.1	PLN	DTVPLN	-DTVP1641
46	WTGL	LEESBURG FL	142.1	CP	BPED	-20080612AAG
47	WAMI-TV	HOLLYWOOD FL	290.9	LIC	BLCD	-20021015ABJ
47	WAMI-TV	HOLLYWOOD FL	290.9	PLN	DTVPLN	-DTVP1669
47	WAMI-TV	HOLLYWOOD FL	290.9	CP	BPCD	-20060113ACR
48	WOPX	MELBOURNE FL	142.1	APP	BPCD	-20080620AKI
48	WOPX	MELBOURNE FL	115.2	PLN	DTVPLN	-DTVP1704
48	WOPX	MELBOURNE FL	115.2	LIC	BLCD	-20020510AAH
48	WFXU-D.A	LIVE OAK FL	223.2	APP	USERRECORD	-01

Proposed station is beyond the site to
nearest cell evaluation distance

KESSLER AND GEHMAN ASSOCIATES, INC.

WFXU-DT LIVE OAK, FL

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
48	WRJM-TV	TROY AL	BPCDT	-19991101AKR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	WLGA	OPELIKA AL	112.8	CP MOD	BMPCDT	-20080317AAO
47	WLGA	OPELIKA AL	112.8	PLN	DTVPLN	-DTVP1666
47	WPCT	PANAMA CITY BEACH FL	209.3	LIC	BLCDT	-20030613AAG
47	WPCT	PANAMA CITY BEACH FL	209.3	PLN	DTVPLN	-DTVP1670
48	WAFF-DR	HUNTSVILLE AL	299.6	APP	BPRM	-20080620AOO
48	WFBD	DESTIN FL	138.8	LIC	BLCDT	-20050906AAT
48	WFBD	DESTIN FL	138.8	PLN	DTVPLN	-DTVP1702
48	WFXU	LIVE OAK FL	242.4	PLN	DTVPLN	-DTVP1703
48	WUVG-TV	ATHENS GA	245.5	LIC	BLCDT	-20030805AJO
48	WUVG-TV	ATHENS GA	245.5	PLN	DTVPLN	-DTVP1705
48	WXXV-TV	GULFPORT MS	329.0	CP	BPCDT	-19991014ABJ
48	WXXV-TV	GULFPORT MS	329.0	PLN	DTVPLN	-DTVP1712
49	WAWD	FORT WALTON BEACH FL	198.6	APP	BMPCDT	-20080624ACF
49	WAWD	FORT WALTON BEACH FL	192.4	PLN	DTVPLN	-DTVP1734
49	WAWD	FT. WALTON BEACH FL	192.3	CP	BPCDT	-19991105AAL
49	WXTX	COLUMBUS GA	110.2	LIC	BLCDT	-20060630ACY
49	WXTX	COLUMBUS GA	110.2	PLN	DTVPLN	-DTVP1737
48	WFXU-D.A	LIVE OAK FL	397.4	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
48	WRJM-TV	TROY AL	DTVPLN	-DTVP1695

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	WLGA	OPELIKA AL	112.8	CP MOD	BMPCDT	-20080317AAO
47	WLGA	OPELIKA AL	112.8	PLN	DTVPLN	-DTVP1666
47	WPCT	PANAMA CITY BEACH FL	209.3	LIC	BLCDT	-20030613AAG
47	WPCT	PANAMA CITY BEACH FL	209.3	PLN	DTVPLN	-DTVP1670
48	WAFF-DR	HUNTSVILLE AL	299.6	APP	BPRM	-20080620AOO
48	WFBD	DESTIN FL	138.8	LIC	BLCDT	-20050906AAT
48	WFBD	DESTIN FL	138.8	PLN	DTVPLN	-DTVP1702
48	WFXU	LIVE OAK FL	242.3	PLN	DTVPLN	-DTVP1703
48	WUVG-TV	ATHENS GA	245.5	LIC	BLCDT	-20030805AJO
48	WUVG-TV	ATHENS GA	245.5	PLN	DTVPLN	-DTVP1705
48	WXXV-TV	GULFPORT MS	329.0	CP	BPCDT	-19991014ABJ
48	WXXV-TV	GULFPORT MS	329.0	PLN	DTVPLN	-DTVP1712
49	WAWD	FORT WALTON BEACH FL	198.6	APP	BMPCDT	-20080624ACF
49	WAWD	FORT WALTON BEACH FL	192.3	PLN	DTVPLN	-DTVP1734
49	WAWD	FT. WALTON BEACH FL	192.3	CP	BPCDT	-19991105AAL
49	WXTX	COLUMBUS GA	110.1	LIC	BLCDT	-20060630ACY
49	WXTX	COLUMBUS GA	110.1	PLN	DTVPLN	-DTVP1737
48	WFXU-D.A	LIVE OAK FL	397.3	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
48	WFBD	DESTIN FL	BLCDT	-20050906AAT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	WPCT	PANAMA CITY BEACH FL	127.8	LIC	BLCDT	-20030613AAG
47	WPCT	PANAMA CITY BEACH FL	127.8	PLN	DTVPLN	-DTVP1670
48	WAFF-DR	HUNTSVILLE AL	413.1	APP	BPRM	-20080620A00
48	WRJM-TV	TROY AL	138.8	CP	BPCDT	-19991101AKR
48	WRJM-TV	TROY AL	138.8	PLN	DTVPLN	-DTVP1695
48	WFXU	LIVE OAK FL	264.6	PLN	DTVPLN	-DTVP1703
48	WUVG-TV	ATHENS GA	383.9	LIC	BLCDT	-20030805AJO
48	WUVG-TV	ATHENS GA	383.9	PLN	DTVPLN	-DTVP1705
48	WXXV-TV	GULFPORT MS	224.8	CP	BPCDT	-19991014ABJ
48	WXXV-TV	GULFPORT MS	224.8	PLN	DTVPLN	-DTVP1712
49	WAWD	FORT WALTON BEACH FL	62.0	APP	BMPCDT	-20080624ACF
49	WAWD	FORT WALTON BEACH FL	70.1	PLN	DTVPLN	-DTVP1734
49	WAWD	FT. WALTON BEACH FL	69.8	CP	BPCDT	-19991105AAL
48	WFXU-D.A	LIVE OAK FL	406.4	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
48	WFBD	DESTIN FL	DTVPLN	-DTVP1702

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	WPCT	PANAMA CITY BEACH FL	127.8	LIC	BLCDT	-20030613AAG
47	WPCT	PANAMA CITY BEACH FL	127.8	PLN	DTVPLN	-DTVP1670
48	WAFF-DR	HUNTSVILLE AL	413.1	APP	BPRM	-20080620A00
48	WRJM-TV	TROY AL	138.8	CP	BPCDT	-19991101AKR
48	WRJM-TV	TROY AL	138.8	PLN	DTVPLN	-DTVP1695
48	WFXU	LIVE OAK FL	264.6	PLN	DTVPLN	-DTVP1703
48	WUVG-TV	ATHENS GA	383.9	LIC	BLCDT	-20030805AJO
48	WUVG-TV	ATHENS GA	383.9	PLN	DTVPLN	-DTVP1705
48	WXXV-TV	GULFPORT MS	224.8	CP	BPCDT	-19991014ABJ
48	WXXV-TV	GULFPORT MS	224.8	PLN	DTVPLN	-DTVP1712
49	WAWD	FORT WALTON BEACH FL	62.0	APP	BMPCDT	-20080624ACF
49	WAWD	FORT WALTON BEACH FL	70.1	PLN	DTVPLN	-DTVP1734
49	WAWD	FT. WALTON BEACH FL	69.8	CP	BPCDT	-19991105AAL
48	WFXU-D.A	LIVE OAK FL	406.4	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
48	WDES-CA	DESTIN FL	BLTTL	-19970509JB

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Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	WPAN	FORT WALTON BEACH FL	46.6	CP	BPCDT	-19991029AGW
40	WPAN	FORT WALTON BEACH FL	46.6	PLN	DTVPLN	-DTVP1431
41	WEIQ	MOBILE AL	135.8	LIC	BLEDT	-20030430AAX
41	WEIQ	MOBILE AL	135.8	PLN	DTVPLN	-DTVP1461
41	WEIQ	MOBILE AL	135.8	APP	BPEDT	-20080619AGR
45	WJTC	PENSACOLA FL	102.4	LIC	BLCDT	-20021025ABG
45	WJTC	PENSACOLA FL	102.4	PLN	DTVPLN	-DTVP1608
47	WPCT	PANAMA CITY BEACH FL	73.9	LIC	BLCDT	-20030613AAG
47	WPCT	PANAMA CITY BEACH FL	73.9	PLN	DTVPLN	-DTVP1670
48	WRJM-TV	TROY AL	192.3	CP	BPCDT	-19991101AKR
48	WRJM-TV	TROY AL	192.3	PLN	DTVPLN	-DTVP1695
48	WFBD	DESTIN FL	69.8	LIC	BLCDT	-20050906AAT
48	WFBD	DESTIN FL	69.8	PLN	DTVPLN	-DTVP1702
48	NEW	DESTIN FL	30.5	LIC	BPRM	-20000717AFP
48	WFBD	DESTIN FL	30.5	CP	BPCT	-19960405XK
48	WFXU	LIVE OAK FL	244.7	PLN	DTVPLN	-DTVP1703
48	WXXV-TV	GULFPORT MS	247.2	CP	BPCDT	-19991014ABJ
48	WXXV-TV	GULFPORT MS	247.2	PLN	DTVPLN	-DTVP1712
49	WAWD	FORT WALTON BEACH FL	35.0	APP	BMPCDT	-20080624ACF
49	WAWD	FORT WALTON BEACH FL	0.5	PLN	DTVPLN	-DTVP1734
49	WAWD	FT. WALTON BEACH FL	0.0	CP	BPCDT	-19991105AAL
50	WFGX	FORT WALTON BEACH FL	111.6	APP	BMPCDT	-20080620AHV
50	WFGX	FORT WALTON BEACH FL	46.0	PLN	DTVPLN	-DTVP1763
50	WFGX	FORT WALTON BEACH FL	111.6	APP	BMPCDT	-20051108AFS
50	WFGX	FORT WALTON BEACH FL	46.0	CP MOD	BMPCDT	-20040204AAK
51	WBIF	MARIANNA FL	98.5	PLN	DTVPLN	-DTVP1790
51	WBIF	MARIANNA FL	98.5	CP	BPCDT	-20080328ACH
48	WFXU-D.A	LIVE OAK FL	370.9	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
48	WOPX	MELBOURNE FL	BPCDT	-20080620AKI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	WFTT-TV	TAMPA FL	142.1	LIC	BLCDT	-20060912ADB
47	WFTT-TV	TAMPA FL	142.1	PLN	DTVPLN	-DTVP1671
48	WFXU	LIVE OAK FL	363.5	PLN	DTVPLN	-DTVP1703
49	WVEN-TV	DAYTONA BEACH FL	43.7	LIC	BLCDT	-20070329ADC
49	WVEN-TV	DAYTONA BEACH FL	43.7	PLN	DTVPLN	-DTVP1733
49	WFGC	PALM BEACH FL	220.3	LIC	BLCDT	-20060627ABB
49	WFGC	PALM BEACH FL	220.3	PLN	DTVPLN	-DTVP1735
48	WFXU-D.A	LIVE OAK FL	208.4	APP	USERRECORD-01	

Total scenarios = 2

Result key: 1
Scenario 1 Affected station 12
Before Analysis

Results for: 48A FL MELBOURNE BPCDT 20080620AKI APP
HAAT 493.0 m, ATV ERP 411.0 kW
POPULATION 2772850 AREA (sq km) 28569.1
within Noise Limited Contour

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not affected by terrain losses	2772850	28569.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8231	378.5
lost to ATV IX only	8231	378.5
lost to all IX	8231	378.5

Potential Interfering Stations Included in above Scenario 1

49A FL DAYTONA BEACH BLCDT 20070329ADC LIC

After Analysis

Results for: 48A FL MELBOURNE BPCDT 20080620AKI APP
 HAAT 493.0 m, ATV ERP 411.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2772850	28569.1
not affected by terrain losses	2772850	28569.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	8231	378.5
lost to ATV IX only	8231	378.5
lost to all IX	8231	378.5

Potential Interfering Stations Included in above Scenario 1

49A FL DAYTONA BEACH BLCDT 20070329ADC LIC
 48A FL LIVE OAK USERRECORD01 APP

Percent new IX = 0.0000%

Result key: 2
 Scenario 2 Affected station 12
 Before Analysis

Results for: 48A FL MELBOURNE BPCDT 20080620AKI APP
 HAAT 493.0 m, ATV ERP 411.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2772850	28569.1
not affected by terrain losses	2772850	28569.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	25597	507.3
lost to ATV IX only	25597	507.3
lost to all IX	25597	507.3

Potential Interfering Stations Included in above Scenario 2

49A FL DAYTONA BEACH DTVPLN DTVP1733 PLN

After Analysis

Results for: 48A FL MELBOURNE BPCDT 20080620AKI APP
 HAAT 493.0 m, ATV ERP 411.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2772850	28569.1
not affected by terrain losses	2772850	28569.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	25597	507.3
lost to ATV IX only	25597	507.3
lost to all IX	25597	507.3

Potential Interfering Stations Included in above Scenario 2

49A FL DAYTONA BEACH DTVPLN DTVP1733 PLN
 48A FL LIVE OAK USERRECORD01 APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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KESSLER AND GEHMAN ASSOCIATES, INC.

WFXU-DT LIVE OAK, FL

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application Ref. No.
48	WOPX	MELBOURNE FL	DTVPLN -DTVP1704

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
47	WFTT-TV	TAMPA FL	115.2	LIC	BLCDT -20060912ADB
47	WFTT-TV	TAMPA FL	115.2	PLN	DTVPLN -DTVP1671
48	WFXU	LIVE OAK FL	398.4	PLN	DTVPLN -DTVP1703
49	WVEN-TV	DAYTONA BEACH FL	93.9	LIC	BLCDT -20070329ADC
49	WVEN-TV	DAYTONA BEACH FL	93.9	PLN	DTVPLN -DTVP1733
49	WFGC	PALM BEACH FL	173.5	LIC	BLCDT -20060627ABB
49	WFGC	PALM BEACH FL	173.5	PLN	DTVPLN -DTVP1735
48	WFXU-D.A	LIVE OAK FL	245.4	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application Ref. No.
48	WOPX	MELBOURNE FL	BLCDT -20020510AAH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
47	WFTT-TV	TAMPA FL	115.2	LIC	BLCDT -20060912ADB
47	WFTT-TV	TAMPA FL	115.2	PLN	DTVPLN -DTVP1671
48	WFXU	LIVE OAK FL	398.4	PLN	DTVPLN -DTVP1703
49	WVEN-TV	DAYTONA BEACH FL	93.9	LIC	BLCDT -20070329ADC
49	WVEN-TV	DAYTONA BEACH FL	93.9	PLN	DTVPLN -DTVP1733
49	WFGC	PALM BEACH FL	173.5	LIC	BLCDT -20060627ABB
49	WFGC	PALM BEACH FL	173.5	PLN	DTVPLN -DTVP1735
48	WFXU-D.A	LIVE OAK FL	245.4	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application Ref. No.
48	WZRA-CA	OLDSMAR FL	BLTTA -20061130AAL

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
44	WTOG	ST. PETERSBURG FL	64.6	PLN	DTVPLN -DTVP1569
44	WTOG	ST. PETERSBURG FL	65.9	CP MOD	BMPCDT -20080606AAO
47	WFTT-TV	TAMPA FL	65.1	LIC	BLCDT -20060912ADB
47	WFTT-TV	TAMPA FL	65.1	PLN	DTVPLN -DTVP1671
48	WFXU	LIVE OAK FL	294.9	PLN	DTVPLN -DTVP1703
48	WOPX	MELBOURNE FL	165.0	APP	BPCDT -20080620AKI
48	WOPX	MELBOURNE FL	158.3	PLN	DTVPLN -DTVP1704
48	WOPX	MELBOURNE FL	158.3	LIC	BLCDT -20020510AAH
48	W48CN	SARASOTA FL	105.3	LIC	BLTT -20000725ABJ
49	WRMD-CA	TAMPA FL	43.6	LIC	BLTTA -20041026ADR
50	WFTT-TV	TAMPA FL	65.1	LIC	BLCT -19880616KH

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51	WOGX	OCALA FL	128.3	LIC	BMLCT	-20041029AIN
62	WVEA-TV	VENICE FL	67.1	LIC	BLCT	-20010413ABC
62	WVEA-TV	VENICE FL	67.1	APP	BSTA	-20060530AJG
63	WMOR-LP	ST. PETERSBURG FL	46.1	LIC	BLTTL	-19910102JJ
48	WFXU-D.A	LIVE OAK FL	172.6	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 16

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
48	WJGV-LP	PALATKA FL	BDFCDTA	-20080306ABS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	WFTT-TV	TAMPA FL	200.8	LIC	BLCDT	-20060912ADB
47	WFTT-TV	TAMPA FL	200.8	PLN	DTVPLN	-DTVP1671
48	WFXU	LIVE OAK FL	250.4	PLN	DTVPLN	-DTVP1703
48	WOPX	MELBOURNE FL	125.6	APP	BPCDT	-20080620AKI
48	WOPX	MELBOURNE FL	174.4	PLN	DTVPLN	-DTVP1704
48	WOPX	MELBOURNE FL	174.4	LIC	BLCDT	-20020510AAH
49	WVEN-TV	DAYTONA BEACH FL	82.0	LIC	BLCDT	-20070329ADC
49	WVEN-TV	DAYTONA BEACH FL	82.0	PLN	DTVPLN	-DTVP1733
48	WFXU-D.A	LIVE OAK FL	100.8	APP	USERRECORD-01	

Total scenarios = 2

Result key: 3

Scenario 1 Affected station 16

Before Analysis

Results for: 48A FL PALATKA BDFCDTA 20080306ABS APP

HAAT	1.0 m, ATV ERP	1.8 kW
	POPULATION	AREA (sq km)
within Noise Limited Contour	67016	2329.4
not affected by terrain losses	67016	2329.4
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

After Analysis

Results for: 48A FL PALATKA BDFCDTA 20080306ABS APP

HAAT	1.0 m, ATV ERP	1.8 kW
	POPULATION	AREA (sq km)
within Noise Limited Contour	67016	2329.4
not affected by terrain losses	67016	2329.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	22	4.0
lost to ATV IX only	22	4.0
lost to all IX	22	4.0

Potential Interfering Stations Included in above Scenario 1

48A FL LIVE OAK USERRECORD01 APP

Percent new IX = 0.0328%

Result key: 4

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WFXU-DT LIVE OAK, FL

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Scenario 2 Affected station 16
Before Analysis

Results for: 48A FL PALATKA BDFCDTA 20080306ABS APP
HAAT 1.0 m, ATV ERP 1.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	67016	2329.4
not affected by terrain losses	67016	2329.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	777	87.8
lost to ATV IX only	777	87.8
lost to all IX	777	87.8

Potential Interfering Stations Included in above Scenario 2

48A FL MELBOURNE BPCDT 20080620AKI APP

After Analysis

Results for: 48A FL PALATKA BDFCDTA 20080306ABS APP
HAAT 1.0 m, ATV ERP 1.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	67016	2329.4
not affected by terrain losses	67016	2329.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	799	91.7
lost to ATV IX only	799	91.7
lost to all IX	799	91.7

Potential Interfering Stations Included in above Scenario 2

48A FL MELBOURNE BPCDT 20080620AKI APP
48A FL LIVE OAK USERRECORD01 APP

Percent new IX = 0.0332%

Worst case new IX 0.0332% Scenario 2

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Analysis of Interference to Affected Station 17

Analysis of current record

Channel	Call	City/State	Application Ref. No.
48	WJGV-LP	PALATKA FL	BLTTL -20010614ADP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
40	WACX	LEESBURG FL	125.6	LIC	BLCDT -20060117ACC
40	WACX	LEESBURG FL	125.7	PLN	DTVPLN -DTVP1432
41	960724KW	LAKE CITY FL	91.2	APP	BPET -19960724KW
41	WRBW	ORLANDO FL	124.5	LIC	BLCDT -20060810AIX
41	WRBW	ORLANDO FL	124.5	PLN	DTVPLN -DTVP1465
44	WJEB-TV	JACKSONVILLE FL	78.5	PLN	DTVPLN -DTVP1568
44	WJEB-TV	JACKSONVILLE FL	78.5	CP	BPEDT -20080618ADQ
44	WJEB-TV	JACKSONVILLE FL	78.5	LIC	BLEDT -20060313AEB
46	WTGL	LEESBURG FL	125.6	LIC	BLEDT -20050915ALL
46	WTGL	LEESBURG FL	125.6	PLN	DTVPLN -DTVP1641
46	WTGL	LEESBURG FL	125.6	CP	BPEDT -20080612AAG
47	WTEV-TV	JACKSONVILLE FL	78.4	LIC	BLCT -19881116KG
48	WFXU	LIVE OAK FL	250.4	PLN	DTVPLN -DTVP1703
48	WOPX	MELBOURNE FL	125.6	APP	BPCDT -20080620AKI
48	WOPX	MELBOURNE FL	174.4	PLN	DTVPLN -DTVP1704
48	WOPX	MELBOURNE FL	174.4	LIC	BLCDT -20020510AAH
49	WVEN-TV	DAYTONA BEACH FL	82.0	LIC	BLCDT -20070329ADC
49	WVEN-TV	DAYTONA BEACH FL	82.0	PLN	DTVPLN -DTVP1733

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WFXU-DT LIVE OAK, FL

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51	WHLV-TV	COCOA FL	125.6	CP	BPCDT	-20080617AEC
51	WHLV-TV	COCOA FL	125.6	PLN	DTVPLN	-DTVP1789
63	960917KI	PALATKA FL	0.0	APP	BPCT	-19960917KI
63	960920IB	PALATKA FL	13.1	APP	BPCT	-19960920IB
48	WFXU-D.A	LIVE OAK FL	100.8	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 18

Analysis of current record

Channel	Call	City/State	Application Ref. No.
48	W48CX	HILTON HEAD ISLAND SC	BLTTA -20051014ACY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
44	WJWJ-TV	BEAUFORT SC	62.4	LIC	BLEDT -20060221AEJ
44	WJWJ-TV	BEAUFORT SC	62.4	PLN	DTVPLN -DTVP1592
47	WCSC-TV	CHARLESTON SC	131.3	LIC	BLCDT -20030501ABA
47	WCSC-TV	CHARLESTON SC	131.3	PLN	DTVPLN -DTVP1689
48	WFXU	LIVE OAK FL	345.7	PLN	DTVPLN -DTVP1703
48	WUVG-TV	ATHENS GA	380.7	LIC	BLCDT -20030805AJO
48	WUVG-TV	ATHENS GA	380.7	PLN	DTVPLN -DTVP1705
48	W48BH	STATESBORO GA	101.6	LIC	BLTTL -19960709JA
48	WACH	COLUMBIA SC	218.0	LIC	BLCDT -20021204ABB
48	WACH	COLUMBIA SC	218.0	PLN	DTVPLN -DTVP1719
50	WCBD-TV	CHARLESTON SC	132.7	CP MOD	BMPCDT -20040419ABK
50	WCBD-TV	CHARLESTON SC	132.7	PLN	DTVPLN -DTVP1778
48	WFXU-D.A	LIVE OAK FL	319.7	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 19

Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	WVEN-TV	DAYTONA BEACH FL	BLCDT -20070329ADC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
48	WOPX	MELBOURNE FL	43.7	APP	BPCDT -20080620AKI
48	WOPX	MELBOURNE FL	93.9	PLN	DTVPLN -DTVP1704
48	WOPX	MELBOURNE FL	93.9	LIC	BLCDT -20020510AAH
49	WFGC	PALM BEACH FL	263.7	LIC	BLCDT -20060627ABB
49	WFGC	PALM BEACH FL	263.7	PLN	DTVPLN -DTVP1735
49	WTLH	BAINBRIDGE GA	322.1	PLN	DTVPLN -DTVP1736
48	WFXU-D.A	LIVE OAK FL	167.1	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 20

Analysis of current record

Channel	Call	City/State	Application Ref. No.
49	WVEN-TV	DAYTONA BEACH FL	DTVPLN -DTVP1733

Stations Potentially Affecting This Station

KESSLER AND GEHMAN ASSOCIATES, INC.

WFXU-DT LIVE OAK, FL

Exhibit E6, PAGE 14 of 15

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	WOPX	MELBOURNE FL	43.7	APP	BPCDT	-20080620AKI
48	WOPX	MELBOURNE FL	93.9	PLN	DTVPLN	-DTVP1704
48	WOPX	MELBOURNE FL	93.9	LIC	BLCDT	-20020510AAH
49	WFGC	PALM BEACH FL	263.7	LIC	BLCDT	-20060627ABB
49	WFGC	PALM BEACH FL	263.7	PLN	DTVPLN	-DTVP1735
49	WTLH	BAINBRIDGE GA	322.1	PLN	DTVPLN	-DTVP1736
48	WFXU-D.A	LIVE OAK FL	167.1	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 21

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	WTLH	BAINBRIDGE GA	DTVPLN	-DTVP1736

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	WFXU	LIVE OAK FL	0.0	PLN	DTVPLN	-DTVP1703
49	WVEN-TV	DAYTONA BEACH FL	322.1	LIC	BLCDT	-20070329ADC
49	WVEN-TV	DAYTONA BEACH FL	322.1	PLN	DTVPLN	-DTVP1733
49	WAWD	FORT WALTON BEACH FL	278.1	APP	BMPCDT	-20080624ACF
49	WAWD	FORT WALTON BEACH FL	244.3	PLN	DTVPLN	-DTVP1734
49	WAWD	FT. WALTON BEACH FL	244.7	CP	BPCDT	-19991105AAL
49	WXTX	COLUMBUS GA	215.7	LIC	BLCDT	-20060630ACY
49	WXTX	COLUMBUS GA	215.7	PLN	DTVPLN	-DTVP1737
50	WTLH-DR	BAINBRIDGE GA	0.0	APP	BPRM	-20080619ALJ
48	WFXU-D.A	LIVE OAK FL	155.1	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 22

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
48	WFXU-D.A	LIVE OAK FL	USERRECORD-01	

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
47	WFTT-TV	TAMPA FL	223.2	LIC	BLCDT	-20060912ADB
47	WFTT-TV	TAMPA FL	223.2	PLN	DTVPLN	-DTVP1671
48	WRJM-TV	TROY AL	397.4	CP	BPCDT	-19991101AKR
48	WRJM-TV	TROY AL	397.3	PLN	DTVPLN	-DTVP1695
48	WFBD	DESTIN FL	406.4	LIC	BLCDT	-20050906AAT
48	WFBD	DESTIN FL	406.4	PLN	DTVPLN	-DTVP1702
48	WOPX	MELBOURNE FL	208.4	APP	BPCDT	-20080620AKI
48	WOPX	MELBOURNE FL	245.4	PLN	DTVPLN	-DTVP1704
48	WOPX	MELBOURNE FL	245.4	LIC	BLCDT	-20020510AAH
49	WVEN-TV	DAYTONA BEACH FL	167.1	LIC	BLCDT	-20070329ADC
49	WVEN-TV	DAYTONA BEACH FL	167.1	PLN	DTVPLN	-DTVP1733
49	WTLH	BAINBRIDGE GA	155.1	PLN	DTVPLN	-DTVP1736

Total scenarios = 3

Result key: 5

Scenario 1 Affected station 22
Before Analysis

Results for: 48A FL LIVE OAK USERRECORD01 APP

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WFXU-DT LIVE OAK, FL

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HAAT 149.0 m, ATV ERP 390.8 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	407303	13164.6
not affected by terrain losses	407303	13164.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2	4.0
lost to ATV IX only	2	4.0
lost to all IX	2	4.0

Potential Interfering Stations Included in above Scenario 1

48A FL MELBOURNE BPCDT 20080620AKI APP

Result key: 6
 Scenario 2 Affected station 22
 Before Analysis

Results for: 48A FL LIVE OAK USERRECORD01 APP

HAAT 149.0 m, ATV ERP 390.8 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	407303	13164.6
not affected by terrain losses	407303	13164.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2	8.1
lost to ATV IX only	2	8.1
lost to all IX	2	8.1

Potential Interfering Stations Included in above Scenario 2

48A FL MELBOURNE DTVPLN DTVPL1704 PLN

Result key: 7
 Scenario 3 Affected station 22
 Before Analysis

Results for: 48A FL LIVE OAK USERRECORD01 APP

HAAT 149.0 m, ATV ERP 390.8 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	407303	13164.6
not affected by terrain losses	407303	13164.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2	8.1
lost to ATV IX only	2	8.1
lost to all IX	2	8.1

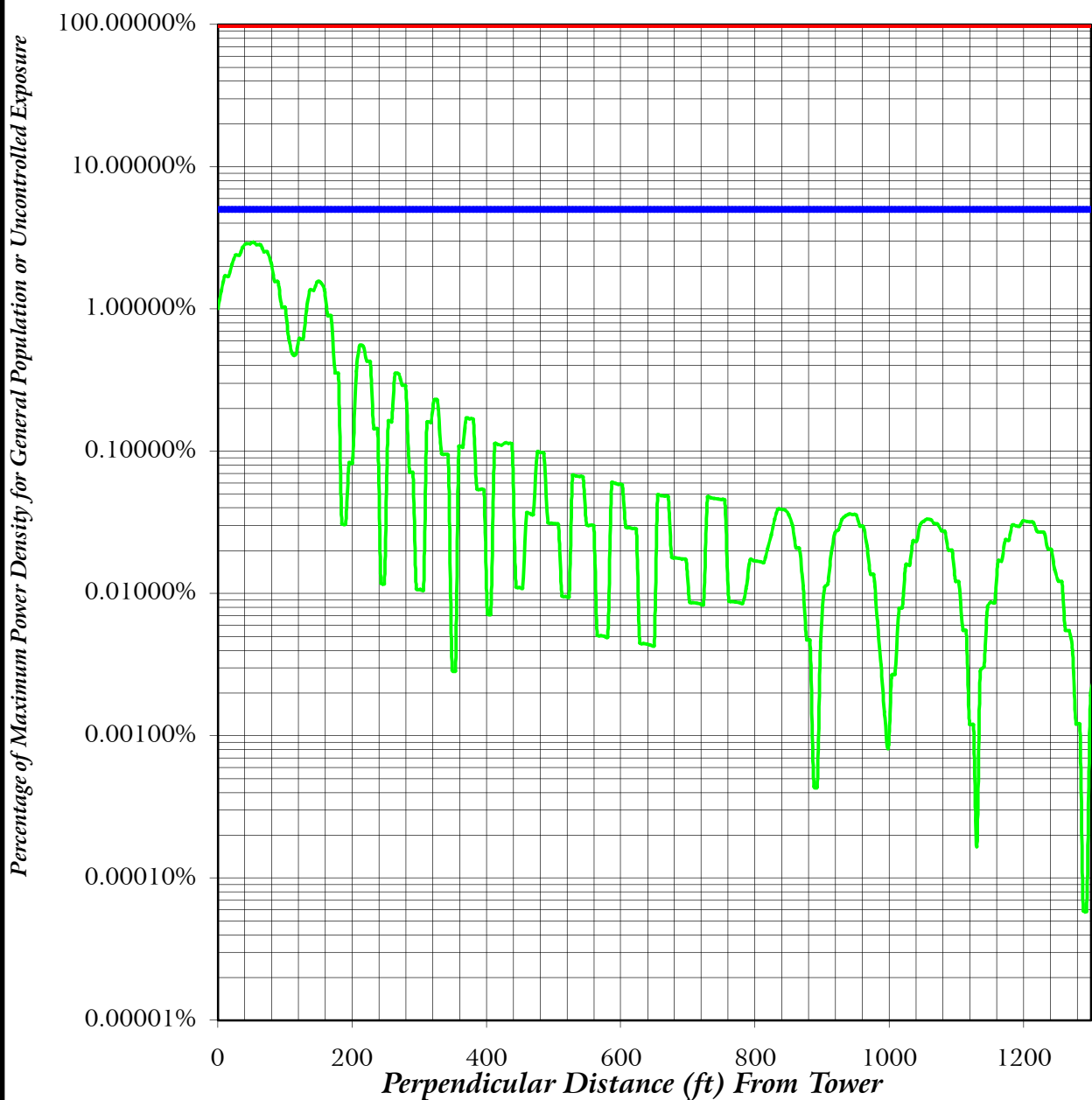
Potential Interfering Stations Included in above Scenario 3

48A FL MELBOURNE BLCDT 20020510AAH LIC

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

FAR FIELD EXPOSURE TO RF EMISSIONS



- Maximum Allowable General Population or Uncontrolled Exposure
- 5 % of Maximum General Population or Uncontrolled Exposure
- Percentage of Maximum General Population or Uncontrolled Exposure

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WFXU-DT
LIVE OAK, FLORIDA

20080820

EXHIBIT E7



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

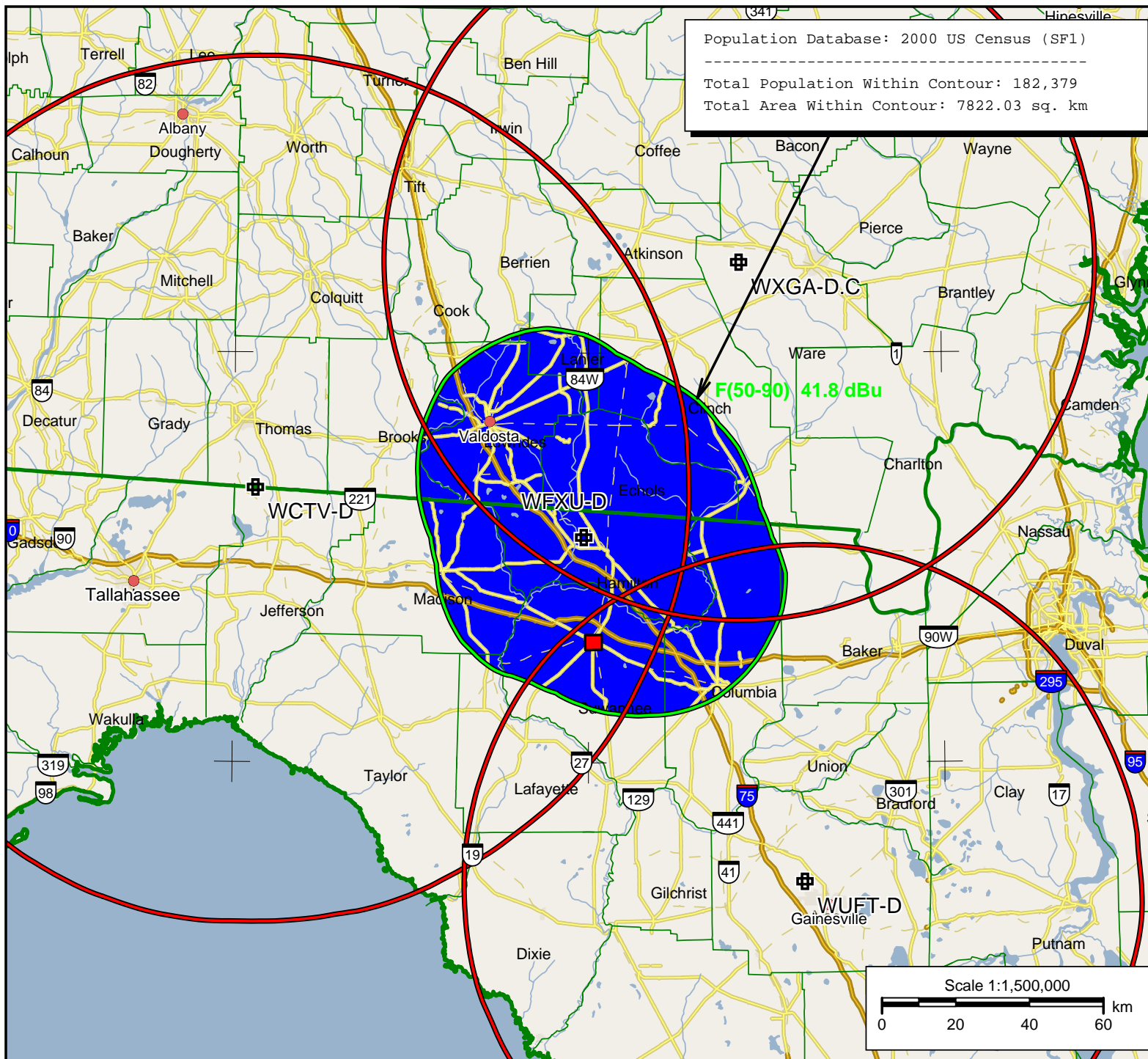
A theoretical analysis has been conducted of the human exposure to radio frequency radiation ("RFR") using the calculation methodology described in *OET Bulletin 65, Edition 97-01*. The RFR analysis is conducted pursuant to the following methodology:

Terrain¹ extraction is compiled from the proposed tower site to radial lengths of 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 and azimuth pattern of the proposed broadcast antenna. The power density calculations are 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.

The resulting cylindrical polar analysis is then summarized into a coordinate plane graph using the following methodology:

Starting from the origin the maximum calculated RFR value is determined among the 360 degree radials for each 0.001 mile increment, the value is then converted into a percentage of the maximum allowable general population or uncontrolled exposure and plotted as a function of perpendicular distance from the tower.

¹ Terrain extraction is based upon a 3 arc second point spacing terrain database.



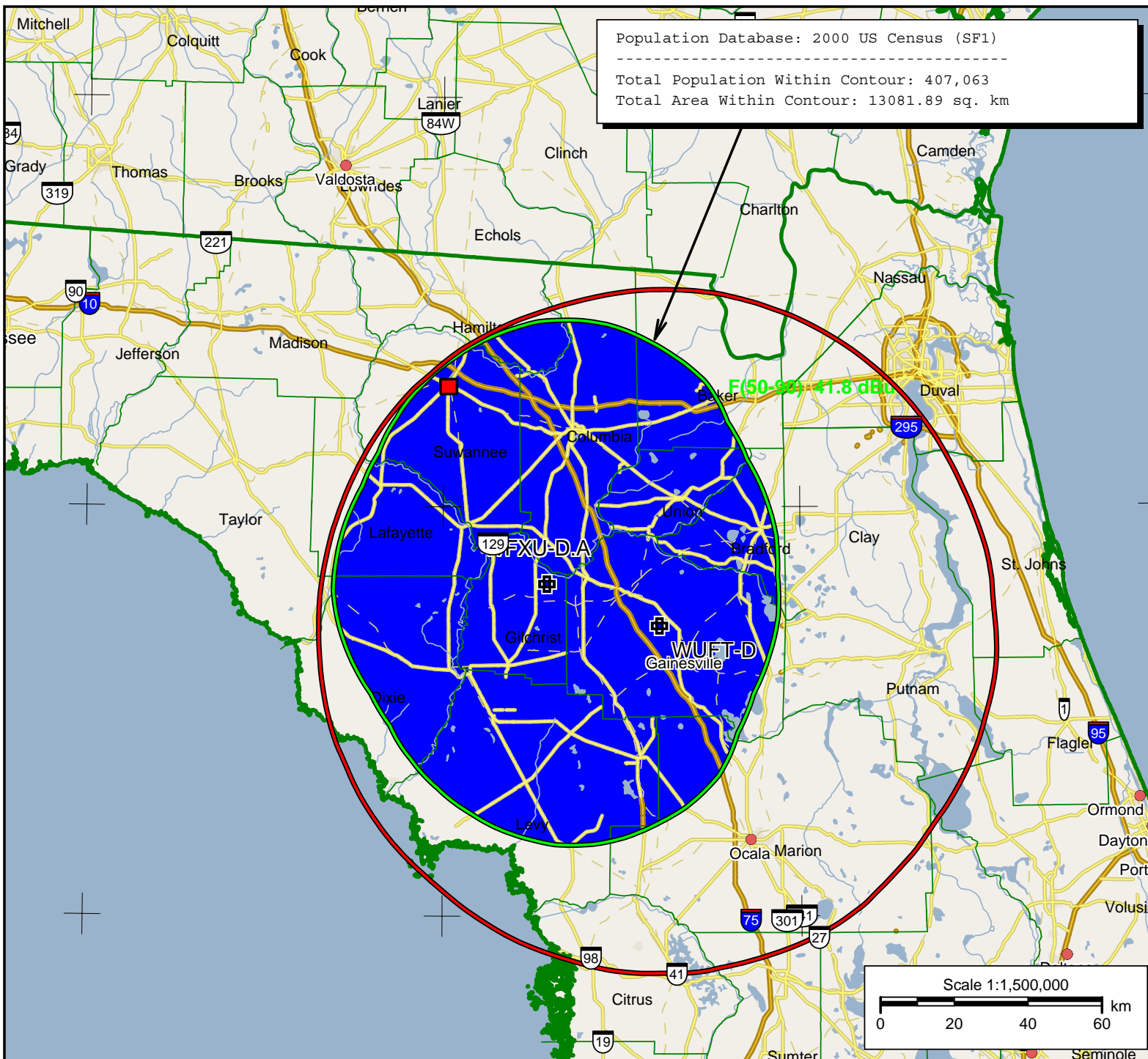
WFXU-D
BLCDT20071113ACD
Latitude: 30-33-00 N
Longitude: 083-00-48 W
ERP: 22.00 kW
Channel: 48
Frequency: 677.0 MHz
AMSL Height: 170.4 m
Elevation: 23.5 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 0.75
Prop Model: None

WCTV-D
BLCDT20050815AAA

WUFT-D
BLEDT20040304AAF

WXGA-D.C
BPEDT20080317AAS

Exhibit E8A



WFXU-D.A
BPCDT20080617ABP
Latitude: 29-48-42 N
Longitude: 082-42-34 W
ERP: 390.80 kW
Channel: 48
Frequency: 677.0 MHz
AMSL Height: 168.9 m
Elevation: 22.9 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 0.5
Prop Model: None

WUFT-D
BLEDT20040304AAF

Exhibit E8B