

ENGINEERING EXHIBIT

Application to Modify Post-Transition Digital Television Station Construction Permit (Coordinate Correction)

prepared for

Wilderness Communications, LLC
KLWB-DT New Iberia, LA
Facility ID 82476
Ch. 50 1000 kW 303 m

Wilderness Communications, LLC (“*Wilderness*”) is the licensee of television station KLWB(TV), analog Channel 50, New Iberia, LA. A Construction Permit (“CP”, BMPCDT-20080827AAF) authorizes construction of the KLWB-DT post-transition digital facility on Channel 50, as established in Appendix B of the Seventh Report and Order in MB Docket 87-278. *Wilderness* herein seeks to modify the KLWB-DT post-transition Channel 50 digital CP to provide corrected site coordinates.

KLWB-DT is presently authorized to operate with an effective radiated power (“ERP”) of 1000 kW at 303 meters antenna height above average terrain (“HAAT”), with a directional antenna. The corrected coordinates specified herein correspond to a location 1.2 km distant from the current CP site. Apart from the coordinate correction, no other changes are proposed.

The proposed digital Channel 50 operation will employ the existing directional antenna system licensed for KLWB’s analog Channel 50. The antenna is top-mounted on the existing KLWB antenna supporting structure, having FCC Antenna Structure Registration (“ASR”) number 1251823. No change to the overall structure height and no tower work are required to carry out this proposal.

The current CP indicates ASR number 1240294 at geographic coordinates 1.2 km distant from those specified herein (ASR #1251823). The status for ASR 1240294 (30° 20' 32" N-Lat, 91° 58' 32" W-Lon, NAD-27) never advanced beyond “granted” and was recently cancelled as the tower structure was not constructed at that location. The actual tower location (30° 20' 32" N-Lat, 91° 57' 46" W-Lon, NAD-27) is specified in ASR 1251823 which has a status of “constructed”.

The proposed KLWB-DT antenna system is a Dielectric model TFU-31JTH 6T180. The directional antenna’s azimuthal pattern is depicted in **Figure 1**. **Figures 2** and **2A** provide the theoretical vertical plane (elevation) pattern.

A map is supplied as **Figure 3**, which depicts the standard predicted coverage contours. This map includes the boundaries of New Iberia, KLWB-DT’s principal community. As demonstrated thereon, the proposed facility complies with §73.625(a)(1), as the entire principal community will be encompassed by the 48 dBμ contour.

The proposed KLWB-DT facility’s predicted service population provides a 144.4 percent match of the Appendix B facility, as detailed in the table below.

Post-Transition Population Summary

Population Summary (2000 Census) OET Bulletin 69 method	Appendix B	Proposed
Within Noise Limited Contour	767,950	1,157,227
Not affected by terrain losses	767,950	1,157,227
Lost to all interference	0	48,517
Net DTV Service	767,950	1,108,710
Match of Appendix B	---	144.37%

The KLWB-DT CP was “maximized” and therefore extends the coverage contour beyond the Appendix B values. A detailed interference study per OET Bulletin 69¹ shows that the proposed KLWB-DT, with corrected coordinates, complies with the 0.5 percent limit of new interference

¹FCC Office of Engineering and Technology Bulletin number 69, *Longley-Rice Methodology for Evaluating TV Coverage and Interference*, February 6, 2004 (“OET-69”). The implementation of OET-69 for this study followed the guidelines of OET-69 as specified therein. A standard cell size of 2 km was employed. Comparisons of various results of this computer program (run on a Sun Sparc processor) to the Commission’s implementation of OET-69 show excellent correlation.

caused to the Appendix B facilities and current post-transition authorizations of pertinent nearby stations. The interference study output report is provided as **Table 1**. Protection requirements towards authorized Class A stations are also satisfied.

The nearest FCC monitoring station is 661 km distant at Kingsville, TX. This exceeds by a large margin the threshold minimum distance specified in §73.1030(c)(3) that would suggest consideration of the monitoring station. The site is not located within the areas requiring coordination with “quiet” zones specified in §73.1030(a) and (b). There are no AM stations within 3.2 kilometers of the site, based on information contained within the Commission’s database. The site location is beyond the border areas requiring international coordination.

Human Exposure to Radiofrequency Electromagnetic Field (Environmental)

The proposal will involve use of an existing transmitting antenna. The use of existing transmitting locations has been characterized as being environmentally preferable by the Commission, according to Note 1 of §1.1306 of the FCC Rules. No tower construction or change in structure height is proposed. Therefore, it is believed that this application may be categorically excluded from environmental processing pursuant to §1.1306 of the Commission’s rules.

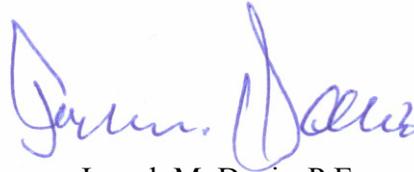
The proposed operation was evaluated for human exposure to RF energy using the procedures outlined in the Commission’s OET Bulletin Number 65. Based on OET-65 equation (10), and considering 10 percent antenna relative field in downward elevations (pattern data shows less than 10 percent relative field at angles 10 to 90 degrees below the antenna), the calculated signal density near the tower at two meters above ground level attributable to the proposed facility is $3.7 \mu\text{W}/\text{cm}^2$, which is 0.8 percent of the general population/uncontrolled maximum permitted exposure limit. This is below the five percent threshold limit described in §1.1307(b) regarding sites with multiple emitters, categorically excluding the applicant from responsibility for taking any corrective action in the areas where the proposal’s contribution is less than five percent.

The general public will not be exposed to RF levels attributable to the proposal in excess of the FCC’s guidelines. RF exposure warning signs will continue to be posted. With respect to

worker safety, the applicant will coordinate exposure procedures with all pertinent stations and will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from RF electromagnetic field exposure in excess of FCC guidelines.

Certification

The undersigned hereby certifies that the foregoing statement and associated attachments were prepared by him or under his direction, and that they are true and correct to the best of his knowledge and belief.



Joseph M. Davis, P.E.
December 29, 2008

Chesapeake RF Consultants, LLC
11993 Kahns Road
Manassas, VA 20112
703-650-9600

List of Attachments

Figure 1	Antenna Horizontal Plane Pattern
Figure 2, 2A	Antenna Vertical Plane (Elevation) Pattern
Figure 3	Proposed Coverage Contours
Table 1	OET Bulletin 69 Interference Study
Form 301	Saved Version of Engineering Sections from FCC Form at Time of Upload

This material was entered December 29, 2008 for filing electronically. Since the FCC's electronic filing system may be accessed by anyone with the applicant's name and password, and electronic data may otherwise be altered in an unauthorized fashion, we cannot be responsible for changes made subsequent to our entry of this data and related attachments.



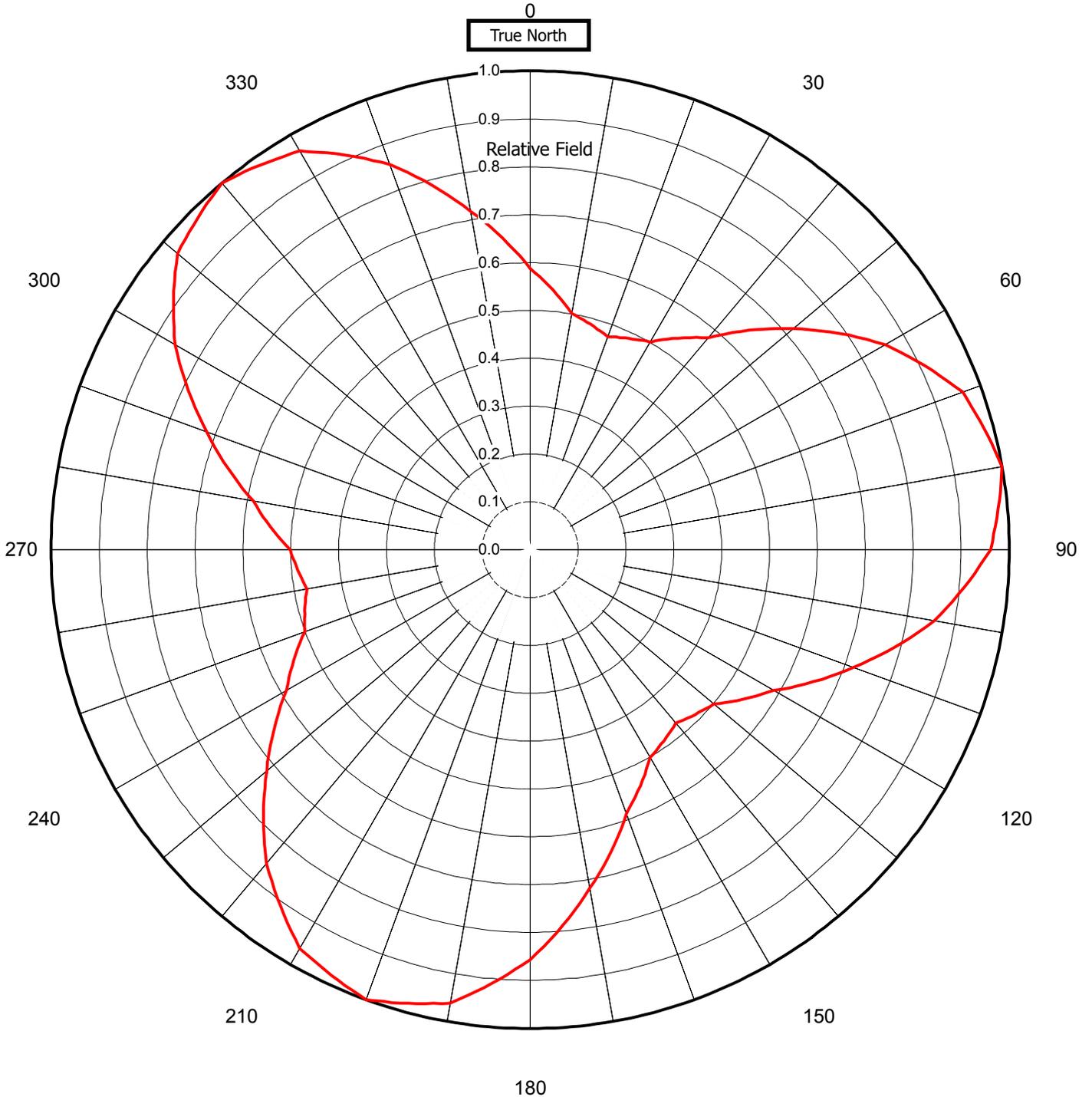
Proposal Number **DCA-10757** Revision: **1**
Date **27-Apr-05**
Call Letters **KACB** Channel **50**
Location **New Iberia, LA**
Customer
Antenna Type **TFU-31JTH 6T180**

Figure 1
Antenna Horizontal
Plane Pattern

AZIMUTH PATTERN

Gain **1.80** (**2.55 dB**)
Calculated / Measured **Calculated**

Frequency **689.00 MHz**
Drawing # **TFU-6T180-50**

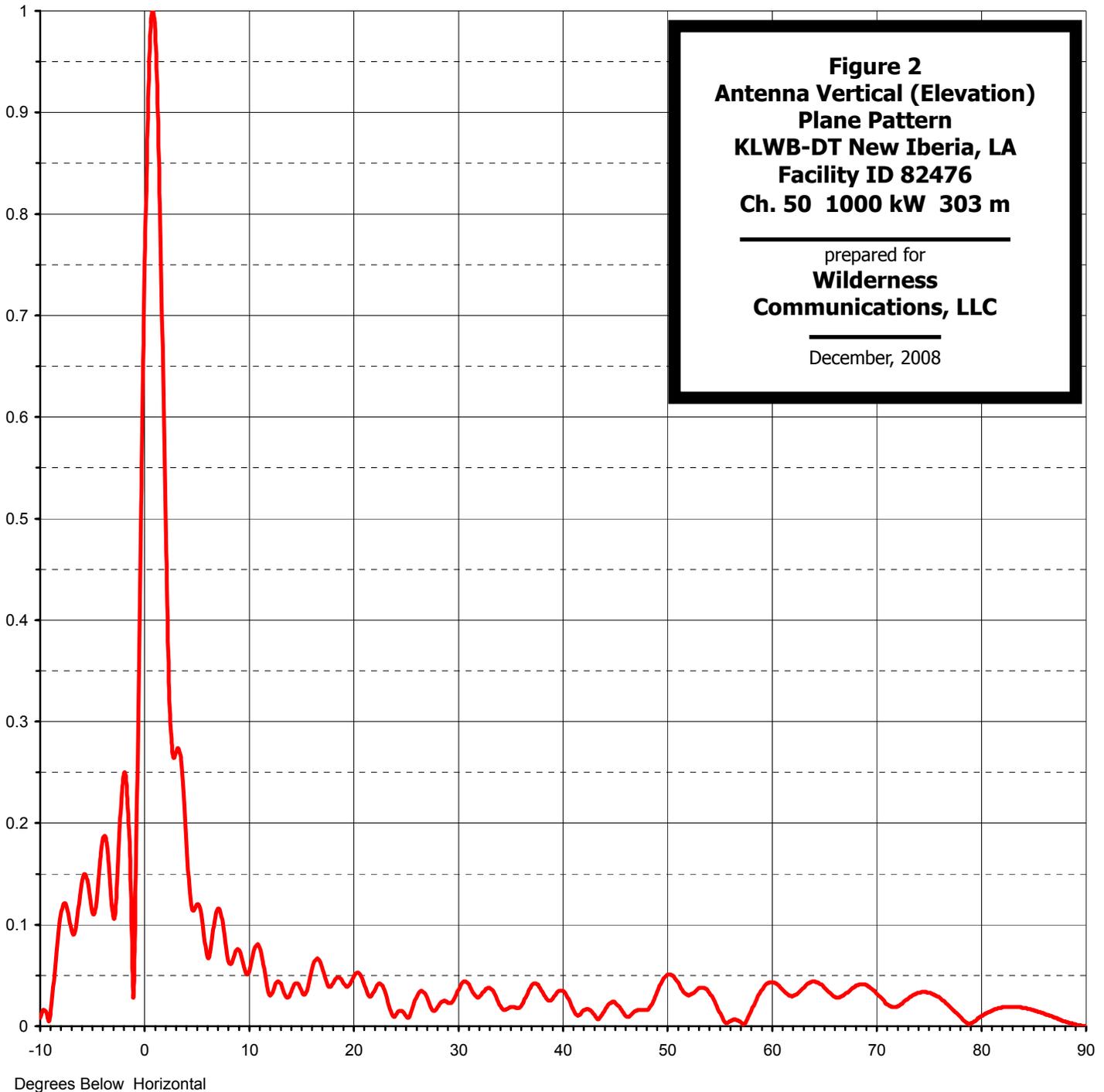




Proposal Number **DCA-10757** Revision: **1**
Date **27-Apr-05**
Call Letters **KACB** Channel **50**
Location **New Iberia, LA**
Customer
Antenna Type **TFU-31JTH 6T180**

ELEVATION PATTERN

RMS Gain at Main Lobe **30.00 (14.77 dB)** Beam Tilt **0.75 deg**
RMS Gain at Horizontal **17.00 (12.30 dB)** Frequency **689.00 MHz**
Calculated / Measured **Calculated** Drawing # **31J300075-90**





Proposal Number **DCA-10757** Revision: **1**
Date **27-Apr-05**
Call Letters **KACB** Channel **50**
Location **New Iberia, LA**
Customer
Antenna Type **TFU-31JTH 6T180**

ELEVATION PATTERN

RMS Gain at Main Lobe **30.00 (14.77 dB)** Beam Tilt **0.75 deg**
RMS Gain at Horizontal **17.00 (12.30 dB)** Frequency **689.00 MHz**
Calculated / Measured **Calculated** Drawing # **31J300075**

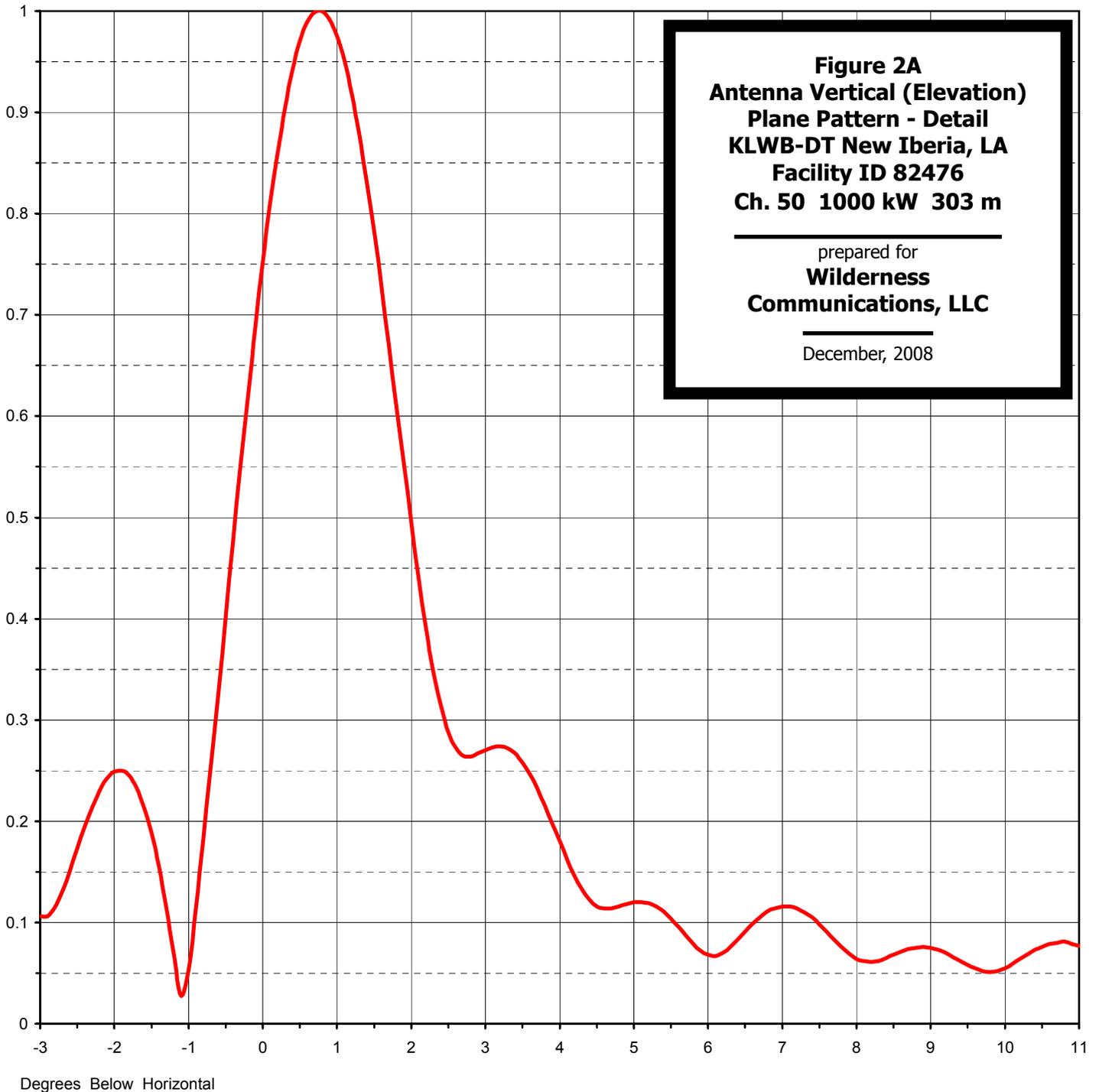
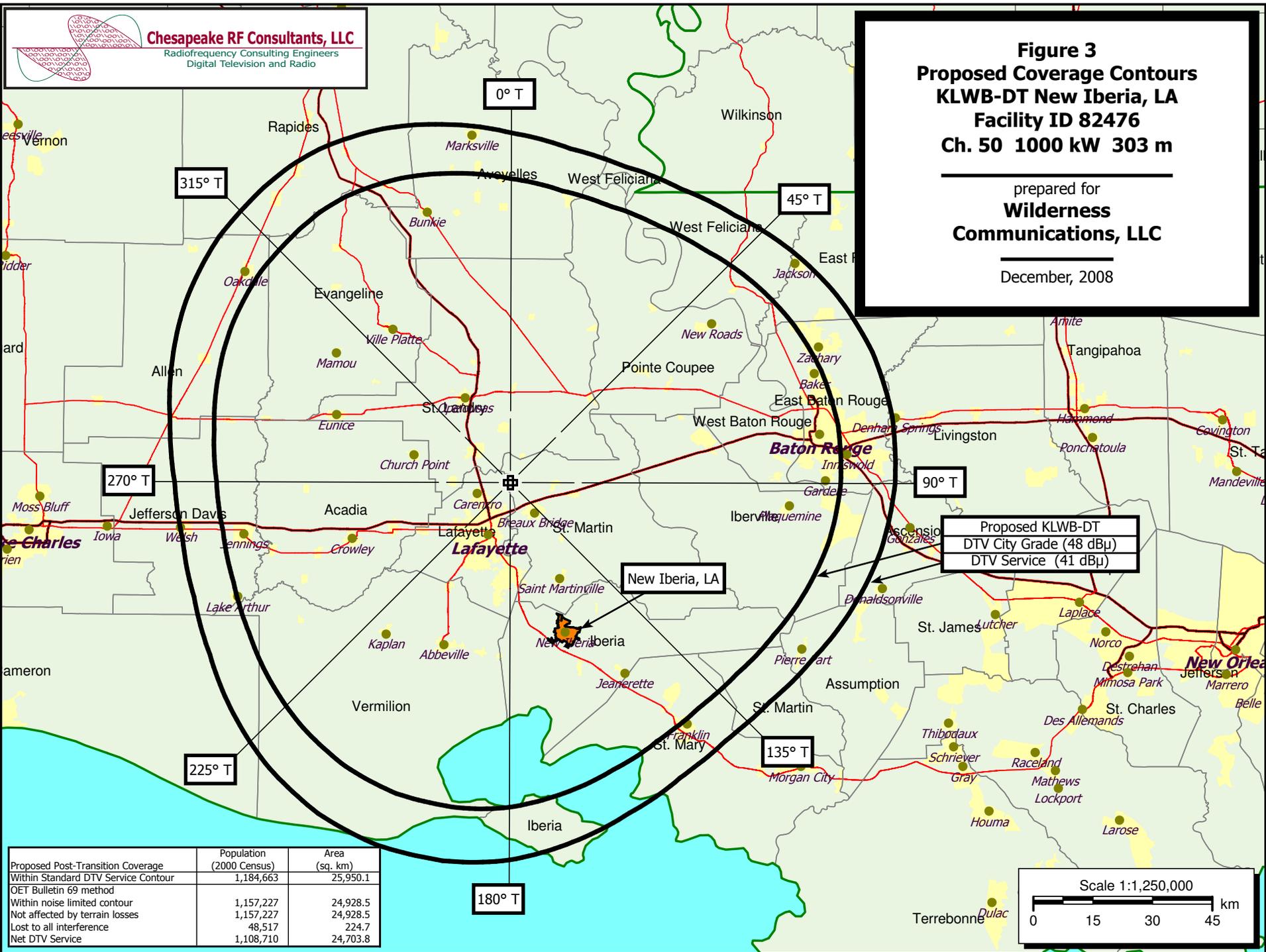


Figure 3
Proposed Coverage Contours
KLWB-DT New Iberia, LA
Facility ID 82476
Ch. 50 1000 kW 303 m

prepared for
Wilderness
Communications, LLC

December, 2008



Proposed Post-Transition Coverage	Population (2000 Census)	Area (sq. km)
Within Standard DTV Service Contour	1,184,663	25,950.1
OET Bulletin 69 method		
Within noise limited contour	1,157,227	24,928.5
Not affected by terrain losses	1,157,227	24,928.5
Lost to all interference	48,517	224.7
Net DTV Service	1,108,710	24,703.8

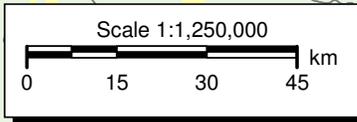


Table 1 KLWB-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 1 of 10)

TW Census data selected 2000
Post Transition Data Base Selected /space/software/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 12-29-2008 Time: 10:12:09

Record Selected for Analysis

KLWB-DT USERRECORD-01 NEW IBERIA LA US
Channel 50 ERP 1000. kW HAAT 303. m RCAMSL 00311 m
Latitude 030-20-32 Longitude 0091-57-46
Status APP Zone 3 Border
Dir Antenna Make CDB Model 0000000089180 Beam tilt N Ref Azimuth 0.
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	344.569	304.8	87.8
45.0	419.904	306.0	89.6
90.0	923.521	306.0	96.8
135.0	237.169	305.0	84.8
180.0	732.736	307.8	94.9
225.0	619.369	299.7	92.3
270.0	251.001	297.9	84.3
315.0	961.380	298.2	96.3

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation 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

Table 1 KLWB-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 2 of 10)

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
50	KLWB-DT	NEW IBERIA LA	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
46	WBXH-CA	BATON ROUGE LA	76.1	LIC	BLTTL	-19900410IC
49	WNTZ	NATCHEZ MS	149.7	LIC	BLCDT	-20060630AAV
49	WNTZ	NATCHEZ MS	149.7	PLN	DTVPLN	-DTVPI745
49	WNTZ	NATCHEZ MS	197.7	APP	BMPCDT	-20011116ABJ
50	WFGX	FORT WALTON BEACH FL	414.6	APP	BMPCDT	-20051108AFS
50	WFGX	FORT WALTON BEACH FL	414.6	CP MOD	BMPCDT	-20080620AHV
50	WPXL	NEW ORLEANS LA	192.1	LIC	BLCDT	-20040408ABR
50	WPXL	NEW ORLEANS LA	192.1	PLN	DTVPLN	-DTVPI770
50	KBXS-CA	SHREVEPORT LA	294.9	LIC	BLTTA	-20030718ADM
50	KBTX-TV	BRYAN TX	390.5	CP MOD	BMPCDT	-20080611AAI
50	KBTX-TV	BRYAN TX	390.5	PLN	DTVPLN	-DTVPI781

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
46	WBXH-CA	BATON ROUGE LA	BLTTL	-19900410IC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
42	KGLA-DT	HAMMOND LA	142.8	LIC	BLCDT	-20070605ABE
42	KGLA-DT	HAMMOND LA	142.8	PLN	DTVPLN	-DTVPI505
43	WDSU	NEW ORLEANS LA	143.0	CP MOD	BMPCDT	-20080207AAP
43	WDSU	NEW ORLEANS LA	143.0	PLN	DTVPLN	-DTVPI538
44	WGMB	BATON ROUGE LA	32.2	LIC	BLCT	-19910813KF
45	WGMB	BATON ROUGE LA	32.2	LIC	BLCDT	-20060103ACW
45	WGMB	BATON ROUGE LA	32.2	PLN	DTVPLN	-DTVPI615
46	KLAF-LP	LAFAYETTE LA	92.8	LIC	BLTT	-19970515JC
46	NEW	WIGGINS MS	196.9	LIC	BPRM	-20020308ABU
46	960920LV	WIGGINS MS	205.2	APP	BPCT	-19960920LV
48	WNTZ	NATCHEZ MS	143.6	CP	BPCT	-20011115AAF
49	WPXL	NEW ORLEANS LA	139.4	LIC	BLCT	-20040412ACY
49	WNTZ	NATCHEZ MS	125.1	LIC	BLCDT	-20060630AAV
49	WNTZ	NATCHEZ MS	125.1	PLN	DTVPLN	-DTVPI745
49	WNTZ	NATCHEZ MS	143.6	APP	BMPCDT	-20011116ABJ
50	KLWB	NEW IBERIA LA	77.2	LIC	BLCT	-20060316ACO
50	KLWB	NEW IBERIA LA	77.2	PLN	DTVPLN	-DTVPI769
50	NEW	NEW IBERIA LA	92.6	LIC	BPRM	-20020308ABY
50	WPXL	NEW ORLEANS LA	139.4	LIC	BLCDT	-20040408ABR
50	WPXL	NEW ORLEANS LA	139.4	PLN	DTVPLN	-DTVPI770
50	KLWB-DT	NEW IBERIA LA	76.1	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

Table 1 KLWB-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 3 of 10)

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	WNTZ	NATCHEZ MS	BLCDDT	-20060630AAV

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
49	KKYK-DT	CAMDEN AR	201.8	CP	BPCDDT	-20050224ABE
49	KKYK-DT	CAMDEN AR	201.8	PLN	DTVPLN	-DTVPI729
50	KLWB	NEW IBERIA LA	149.9	PLN	DTVPLN	-DTVPI769
50	KLWB-DT	NEW IBERIA LA	149.7	APP	USERRECORD-01	

Total scenarios = 2

Result key: 1

Scenario 1 Affected station 2
Before Analysis

Results for: 49A MS NATCHEZ BLCDDT 20060630AAV LIC
HAAT 313.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	340992	24457.7
not affected by terrain losses	340235	24389.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1456	284.7
lost to ATV IX only	1456	284.7
lost to all IX	1456	284.7

Potential Interfering Stations Included in above Scenario 1

49A AR CAMDEN BPCDDT 20050224ABE CP

After Analysis

Results for: 49A MS NATCHEZ BLCDDT 20060630AAV LIC
HAAT 313.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	340992	24457.7
not affected by terrain losses	340235	24389.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1510	316.7
lost to ATV IX only	1510	316.7
lost to all IX	1510	316.7

Potential Interfering Stations Included in above Scenario 1

49A AR CAMDEN BPCDDT 20050224ABE CP
50A LA NEW IBERIA USERRECORD01 APP

Percent new IX = 0.0159%

Worst case new IX 0.0159% Scenario 1

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Table 1 KLWB-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 4 of 10)

Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	WNTZ	NATCHEZ MS	DTVPLN	-DTVPI745

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
49	KKYK-DT	CAMDEN AR	201.8	CP	BPCDDT	-20050224ABE
49	KKYK-DT	CAMDEN AR	201.8	PLN	DTVPLN	-DTVPI729
50	KLWB	NEW IBERIA LA	149.9	PLN	DTVPLN	-DTVPI769
50	KLWB-DT	NEW IBERIA LA	149.7	APP	USERRECORD-01	

Total scenarios = 2

Result key: 3

Scenario 1 Affected station 3
Before Analysis

Results for: 49A MS NATCHEZ DTVPLN DTVPI745 PLN
HAAT 313.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	340992	24457.7
not affected by terrain losses	340235	24389.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1456	284.7
lost to ATV IX only	1456	284.7
lost to all IX	1456	284.7

Potential Interfering Stations Included in above Scenario 1

49A AR CAMDEN BPCDDT 20050224ABE CP

After Analysis

Results for: 49A MS NATCHEZ DTVPLN DTVPI745 PLN
HAAT 313.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	340992	24457.7
not affected by terrain losses	340235	24389.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1510	316.7
lost to ATV IX only	1510	316.7
lost to all IX	1510	316.7

Potential Interfering Stations Included in above Scenario 1

49A AR CAMDEN BPCDDT 20050224ABE CP
50A LA NEW IBERIA USERRECORD01 APP

Percent new IX = 0.0159%

Worst case new IX 0.0159% Scenario 1

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Table 1 KLWB-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 5 of 10)

Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
49	WNTZ	NATCHEZ MS	BMPCDT	-20011116ABJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
48	WXXV-TV	GULFPORT MS	216.0	CP	BPCDT	-19991014ABJ
48	WXXV-TV	GULFPORT MS	216.0	PLN	DTVPLN	-DTV1714
49	KKYK-DT	CAMDEN AR	228.6	CP	BPCDT	-20050224ABE
49	KKYK-DT	CAMDEN AR	228.6	PLN	DTVPLN	-DTV1729
49	WAWD	FORT WALTON BEACH FL	415.7	APP	BMPCDT	-20080624ACF
50	KLWB	NEW IBERIA LA	198.4	PLN	DTVPLN	-DTV1769
50	KLWB-DT	NEW IBERIA LA	197.7	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.
50	WFGX	FORT WALTON BEACH FL	BMPCDT	-20051108AFS

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
49	WAWD	FORT WALTON BEACH FL	76.6	APP	BMPCDT	-20080624ACF
49	WAWD	FORT WALTON BEACH FL	112.0	PLN	DTVPLN	-DTV1735
49	WAWD	FT. WALTON BEACH FL	111.6	CP	BPCDT	-19991105AAL
50	WBRC	BIRMINGHAM AL	329.5	LIC	BLCDT	-20050825ADM
50	WBRC	BIRMINGHAM AL	329.5	PLN	DTVPLN	-DTV1759
50	WBRC	BIRMINGHAM AL	329.5	CP	BPCDT	-20080314ACG
50	WTLH-DR	BAINBRIDGE GA	351.3	APP	BPRM	-20080619ALJ
50	WTLH	BAINBRIDGE GA	351.3	PLN	DTVPLN	-DTV1765
50	WTLH	BAINBRIDGE GA	351.3	APP	BPCDT	-20081204AAC
50	WTLH	BAINBRIDGE GA	351.3	LIC	BLCDT	-20061020ACP
50	KLWB	NEW IBERIA LA	415.9	PLN	DTVPLN	-DTV1769
50	WPXL	NEW ORLEANS LA	241.0	LIC	BLCDT	-20040408ABR
50	WPXL	NEW ORLEANS LA	241.0	PLN	DTVPLN	-DTV1770
51	WBIF	MARIANNA FL	206.8	PLN	DTVPLN	-DTV1791
51	WBIF	MARIANNA FL	206.8	CP	BPCDT	-20080328ACH
50	KLWB-DT	NEW IBERIA LA	414.6	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.
50	WFGX	FORT WALTON BEACH FL	BMPCDT	-20080620AHV

Table 1 KLWB-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 6 of 10)

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
49	WAWD	FORT WALTON BEACH FL	76.6	APP	BMPCDT	-20080624ACF
49	WAWD	FORT WALTON BEACH FL	112.0	PLN	DTVPLN	-DTV1735
49	WAWD	FT. WALTON BEACH FL	111.6	CP	BPCDT	-19991105AAL
50	WBRC	BIRMINGHAM AL	329.5	LIC	BLCDT	-20050825ADM
50	WBRC	BIRMINGHAM AL	329.5	PLN	DTVPLN	-DTV1759
50	WBRC	BIRMINGHAM AL	329.5	CP	BPCDT	-20080314ACG
50	WTLH-DR	BAINBRIDGE GA	351.3	APP	BPRM	-20080619ALJ
50	WTLH	BAINBRIDGE GA	351.3	PLN	DTVPLN	-DTV1765
50	WTLH	BAINBRIDGE GA	351.3	APP	BPCDT	-20081204AAC
50	WTLH	BAINBRIDGE GA	351.3	LIC	BLCDT	-20061020ACP
50	KLWB	NEW IBERIA LA	415.9	PLN	DTVPLN	-DTV1769
50	WPXL	NEW ORLEANS LA	241.0	LIC	BLCDT	-20040408ABR
50	WPXL	NEW ORLEANS LA	241.0	PLN	DTVPLN	-DTV1770
51	WBIF	MARIANNA FL	206.8	PLN	DTVPLN	-DTV1791
51	WBIF	MARIANNA FL	206.8	CP	BPCDT	-20080328ACH
50	KLWB-DT	NEW IBERIA LA	414.6	APP	USERRECORD-01	

Proposed station is beyond the site to nearest cell evaluation distance

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
50	WPXL	NEW ORLEANS LA	BLCDT	-20040408ABR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
50	WFGX	FORT WALTON BEACH FL	241.0	APP	BMPCDT	-20051108AFS
50	WFGX	FORT WALTON BEACH FL	296.7	PLN	DTVPLN	-DTV1764
50	WFGX	FORT WALTON BEACH FL	241.0	CP MOD	BMPCDT	-20080620AHV
50	KLWB	NEW IBERIA LA	193.3	PLN	DTVPLN	-DTV1769
50	KLWB-DT	NEW IBERIA LA	192.1	APP	USERRECORD-01	

Total scenarios = 1

Result key: 5
Scenario 1 Affected station 7
Before Analysis

Results for: 50A LA NEW ORLEANS BLCDT 20040408ABR LIC
HAAT 272.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1671012	21583.4
not affected by terrain losses	1671012	21583.4
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

Table 1 KLWB-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 7 of 10)

After Analysis

Results for: 50A LA NEW ORLEANS BLCDT 20040408ABR LIC
 HAAT 272.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1671012	21583.4
not affected by terrain losses	1671012	21583.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2600	108.7
lost to ATV IX only	2600	108.7
lost to all IX	2600	108.7

Potential Interfering Stations Included in above Scenario 1

50A LA NEW IBERIA USERRECORD01 APP

Percent new IX = 0.1556%

Worst case new IX 0.1556% Scenario 1

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
50	WPXL	NEW ORLEANS LA	DTVPLN -DTV1770

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
50	WFGX	FORT WALTON BEACH FL	241.0	APP	BMPCDT -20051108AFS
50	WFGX	FORT WALTON BEACH FL	296.7	PLN	DTVPLN -DTV1764
50	WFGX	FORT WALTON BEACH FL	241.0	CP MOD	BMPCDT -20080620AHV
50	KLWB	NEW IBERIA LA	193.3	PLN	DTVPLN -DTV1769
50	KLWB-DT	NEW IBERIA LA	192.1	APP	USERRECORD-01

Total scenarios = 1

Result key: 6

Scenario 1 Affected station 8
 Before Analysis

Results for: 50A LA NEW ORLEANS DTVPLN DTV1770 PLN
 HAAT 272.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1671012	21583.4
not affected by terrain losses	1671012	21583.4
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: 50A LA NEW ORLEANS DTVPLN DTV1770 PLN

Table 1 KLWB-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 8 of 10)

HAAT 272.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1671012	21583.4
not affected by terrain losses	1671012	21583.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2600	108.7
lost to ATV IX only	2600	108.7
lost to all IX	2600	108.7

Potential Interfering Stations Included in above Scenario 1

50A LA NEW IBERIA USERRECORD01 APP

Percent new IX = 0.1556%

Worst case new IX 0.1556% Scenario 1

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
50	KXKS-CA	SHREVEPORT LA	BLTTA -20030718ADM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	KKYK-DT	CAMDEN AR	128.8	CP	BPCDT -20050224ABE
49	KKYK-DT	CAMDEN AR	128.8	PLN	DTVPLN -DTV1729
49	KKYK-DT	CAMDEN AR	128.9	LIC	BLCT -20000412ADA
50	K50EK	EL DORADO AR	128.9	LIC	BLTTL -20001130ABL
50	KTSS-LP	HOPE AR	128.4	LIC	BLTTL -20020311AAR
50	KLWB	NEW IBERIA LA	294.2	LIC	BLCT -20060316AAC
50	KLWB	NEW IBERIA LA	294.2	PLN	DTVPLN -DTV1769
50	NEW	NEW IBERIA LA	344.4	LIC	BPRM -20020308ABY
50	KBTX-TV	BRYAN TX	306.8	CP MOD	BMPCDT -20080611AAI
50	KBTX-TV	BRYAN TX	306.8	PLN	DTVPLN -DTV1781
51	KCEB	LONGVIEW TX	116.2	APP	BMPCDT -20081118AAA
51	KCEB	LONGVIEW TX	116.2	PLN	DTVPLN -DTV1815
51	KCEB-DR	LONGVIEW TX	116.2	APP	BPRM -20080514AHH
51	KFKK	LONGVIEW TX	116.2	LIC	BLCT -19910904KE
54	KCEB	LONGVIEW TX	100.6	LIC	BLCT -20030721ABN
50	KLWB-DT	NEW IBERIA LA	294.9	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
50	KBTX-TV	BRYAN TX	BMPCDT -20080611AAI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	KNVA	AUSTIN TX	171.4	LIC	BLCDT -20060721ABF

Table 1 KLWB-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 9 of 10)

49	KNVA	AUSTIN TX	171.4	PLN	DTVPLN	-DTV1753
49	KNVA	AUSTIN TX	171.4	CP	BPCDT	-20080606AAC
50	KLWB	NEW IBERIA LA	389.3	PLN	DTVPLN	-DTV1769
51	KCEB	LONGVIEW TX	215.5	APP	BMPCDT	-20081118AAA
51	KCEB	LONGVIEW TX	215.5	PLN	DTVPLN	-DTV1815
51	KCEB-DR	LONGVIEW TX	215.5	APP	BPRM	-20080514AAH
50	KLWB-DT	NEW IBERIA LA	390.5	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 11

Analysis of current record

Channel	Call	City/State	Application Ref. No.
50	KBTX-TV	BRYAN TX	DTVPLN -DTV1781

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	KNVA	AUSTIN TX	171.4	LIC	BLCDT -20060721ABF
49	KNVA	AUSTIN TX	171.4	PLN	DTVPLN -DTV1753
49	KNVA	AUSTIN TX	171.4	CP	BPCDT -20080606AAC
50	KLWB	NEW IBERIA LA	389.3	PLN	DTVPLN -DTV1769
51	KCEB	LONGVIEW TX	215.5	APP	BMPCDT -20081118AAA
51	KCEB	LONGVIEW TX	215.5	PLN	DTVPLN -DTV1815
51	KCEB-DR	LONGVIEW TX	215.5	APP	BPRM -20080514AAH
50	KLWB-DT	NEW IBERIA LA	390.5	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 12

Analysis of current record

Channel	Call	City/State	Application Ref. No.
50	KLWB-DT	NEW IBERIA LA	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
49	WNTZ	NATCHEZ MS	149.7	LIC	BLCDT -20060630AAV
49	WNTZ	NATCHEZ MS	149.7	PLN	DTVPLN -DTV1745
49	WNTZ	NATCHEZ MS	197.7	APP	BMPCDT -20011116ABJ
50	WFGX	FORT WALTON BEACH FL	414.6	APP	BMPCDT -20051108AFS
50	WFGX	FORT WALTON BEACH FL	414.6	CP MOD	BMPCDT -20080620AHV
50	WPXL	NEW ORLEANS LA	192.1	LIC	BLCDT -20040408ABR
50	WPXL	NEW ORLEANS LA	192.1	PLN	DTVPLN -DTV1770
50	KBTX-TV	BRYAN TX	390.5	CP MOD	BMPCDT -20080611AAI
50	KBTX-TV	BRYAN TX	390.5	PLN	DTVPLN -DTV1781

Total scenarios = 2

Result key: 7

Scenario	1	Affected station	12
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Before Analysis

Table 1 KLWB-DT OET Bulletin 69 Interference Study
(worst-case scenarios shown page 10 of 10)

Results for: 50A LA NEW IBERIA	USERRECORD01	APP
HAAT 303.0 m, ATV ERP 1000.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	1157227	24928.5
not affected by terrain losses	1157227	24928.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	48517	224.7
lost to ATV IX only	48517	224.7
lost to all IX	48517	224.7

Potential Interfering Stations Included in above Scenario 1

50A LA NEW ORLEANS	BLCDT	20040408ABR	LIC
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Result key: 8

Scenario	2	Affected station	12
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Before Analysis

Results for: 50A LA NEW IBERIA	USERRECORD01	APP
HAAT 303.0 m, ATV ERP 1000.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	1157227	24928.5
not affected by terrain losses	1157227	24928.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	48517	224.7
lost to ATV IX only	48517	224.7
lost to all IX	48517	224.7

Potential Interfering Stations Included in above Scenario 2

50A LA NEW ORLEANS	DTVPLN	DTV1770	PLN
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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

SECTION III-D - DTV Engineering	
Complete Questions 1-5, and provide all data and information for the proposed facility, as requested in Technical Specifications, Items 1-13.	
<p>Pre-Transition Certification Checklist: An application concerning a pre-transition channel must complete questions 1(a)-(c), and 2-5. A correct answer of "Yes" to all of the questions will ensure an expeditious grant of a construction permit application to change pre-transition facilities. However, if the proposed facility is located within the Canadian or Mexican borders, coordination of the proposal under the appropriate treaties may be required prior to grant of the application. An answer of "No" will require additional evaluation of the applicable information in this form before a construction permit can be granted.</p> <p>Post-Transition Expedited Processing. An application concerning a post-transition channel must complete questions 1(a), (d)-(e), and 2-5. A station applying for a construction permit to build its post-transition channel will receive expedited processing if its application (1) does not seek to expand the noise-limited service contour in any direction beyond that established by Appendix B of the Seventh Report and Order in MB Docket No. 87-268 establishing the new DTV Table of Allotments in 47 C.F.R. § 73.622(i) ("new DTV Table Appendix B"); (2) specifies facilities that match or closely approximate those defined in the new DTV Table Appendix B facilities; and (3) is filed within 45 days of the effective date of Section 73.616 of the rules adopted in the Report and Order in the Third DTV Periodic Review proceeding, MB Docket No. 07-91.</p>	
1. The proposed DTV facility complies with 47 C.F.R. Section 73.622 in the following respects:	
(a) It will operate on the DTV channel for this station as established in 47 C.F.R. Section 73.622.	<input checked="" type="radio"/> Yes <input type="radio"/> No
(b) It will operate a pre-transition facility from a transmitting antenna located within 5.0 km (3.1 miles) of the DTV reference site for this station as established in 47 C.F.R. Section 73.622.	<input type="radio"/> Yes <input type="radio"/> No
(c) It will operate a pre-transition facility with an effective radiated power (ERP) and antenna height above average terrain (HAAT) that do not exceed the DTV reference ERP and HAAT for this station as established in 47 C.F.R. Section 73.622.	<input type="radio"/> Yes <input type="radio"/> No
(d) It will operate at post-transition facilities that do not expand the noise-limited service contour in any direction beyond that established by Appendix B of the Seventh Report and Order in MB Docket No. 87-268 establishing the new DTV Table of Allotments in 47 C.F.R. § 73.622(i) ("new DTV Table Appendix B").	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A
(e) It will operate at post-transition facilities that match or reduce by no more than five percent with respect to predicted population from those defined in the new DTV Table Appendix B.	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
2. The proposed facility will not have a significant environmental impact, including exposure of workers or the general public to levels of RF radiation exceeding the applicable health and safety guidelines, and therefore will not come within 47 C.F.R. Section 1.1307. Applicant must submit the Exhibit called for in Item 13.	<input checked="" type="radio"/> Yes <input type="radio"/> No
3. Pursuant to 47 C.F.R. Section 73.625, the DTV coverage contour of the proposed facility will encompass the allotted principal community.	<input checked="" type="radio"/> Yes <input type="radio"/> No
4. The requirements of 47 C.F.R. Section 73.1030 regarding notification to radio astronomy installations, radio receiving installations and FCC monitoring stations have either been satisfied or are not applicable.	<input checked="" type="radio"/> Yes <input type="radio"/> No
5. The antenna structure to be used by this facility has been registered by the Commission and will not require registration to support the proposed antenna, OR the FAA has previously determined that the proposed structure will not adversely effect safety in air navigation and this structure qualifies for later registration under the Commission's phased registration plan, OR the proposed installation on this structure does not require notification to the FAA pursuant to 47 C.F.R. Section 17.7.	<input checked="" type="radio"/> Yes <input type="radio"/> No

SECTION III-D - DTV Engineering	
TECHNICAL SPECIFICATIONS	
Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.	
TECH BOX	
1. Channel Number:	DTV 50 Analog TV, if any 50
2. Zone:	<input type="radio"/> I <input type="radio"/> II <input checked="" type="radio"/> III
3. Antenna Location Coordinates: (NAD 27)	Latitude: Degrees 30 Minutes 20 Seconds 32 <input checked="" type="radio"/> North <input type="radio"/> South Longitude: Degrees 91 Minutes 57 Seconds 46 <input checked="" type="radio"/> West <input type="radio"/> East
4. Antenna Structure Registration Number: 1251823	<input type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA
5. Antenna Location Site Elevation Above Mean Sea Level:	7 meters
6. Overall Tower Height Above Ground Level:	312.7 meters
7. Height of Radiation Center Above Ground Level:	304.3 meters
8. Height of Radiation Center Above Average Terrain :	303.4 meters
9. Maximum Effective Radiated Power (average power):	1000 kW

10. Antenna Specifications:

a. Manufacturer DIE Model TFU-31JTH 6T180

b. Electrical Beam Tilt:
0.75 degrees Not Applicable

c. Mechanical Beam Tilt:
degrees toward azimuth
degrees True Not Applicable
Attach as an Exhibit all data specified in 47 C.F.R. Section 73.625(c). [Exhibit 42]

d. Polarization:
 Horizontal Circular Elliptical

e. Directional Antenna Relative Field Values: Not applicable (Nondirectional)

[For a composite directional (not off-the-shelf) antenna, press the following button to fill in the relative field values subform.]
[Relative Field Values]

10e. Directional Antenna Relative Field Values

[Fill in this subform for a composite directional (not off-the-shelf) antenna, only.]

e. Directional Antenna Relative Field Values:

Rotation (Degrees): 0 No Rotation

Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value
0	0.587	10	0.501	20	0.473	30	0.501	40	0.578	50	0.718
60	0.856	70	0.961	80	1	90	0.961	100	0.856	110	0.718
120	0.587	130	0.501	140	0.473	150	0.501	160	0.587	170	0.718
180	0.856	190	0.961	200	1	210	0.961	220	0.856	230	0.718
240	0.587	250	0.501	260	0.473	270	0.501	280	0.587	290	0.718
300	0.856	310	0.961	320	1	330	0.961	340	0.856	350	0.718
Additional Azimuths											

[Relative Field Polar Plot](#)

If a directional antenna is proposed, the requirements of 47 C.F.R. Sections 73.625(c) must be satisfied. **Exhibit required.** [Exhibit 43]

11. Does the proposed facility satisfy the pre-transition interference protection provisions of 47 C.F.R. Section 73.623(a) (Applicable only if **Certification Checklist** Items 1(a), (b), or (c) are answered "No.") and/or the post-transition interference protection provisions of 47 C.F.R. Section 73.616? Yes No [Exhibit 44]

If "No," attach as an Exhibit justification therefor, including a summary of any related previously granted waivers.

12. If the proposed facility will not satisfy the coverage requirement of 47 C.F.R. Section 73.625, attach as an Exhibit justification therefore. (Applicable only if **Certification Checklist** item 3 is answered "No.") [Exhibit 45]

13. **Environmental Protection Act. Submit in an Exhibit** the following: [Exhibit 46]

If **Certification Checklist** Item 2 is answered "Yes," a brief explanation of why an Environmental Assessment is not required. Also describe in the Exhibit the steps that will be taken to limit RF radiation exposure to the public and to persons authorized access to the tower site.

By checking "Yes" to **Certification Checklist** Item 2, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines.

If **Certification Checklist** Item 2 is answered "No," an Environmental Assessment as required by 47 C.F.R Section 1.1311.

PREPARERS CERTIFICATION ON SECTION III MUST BE COMPLETED AND SIGNED.

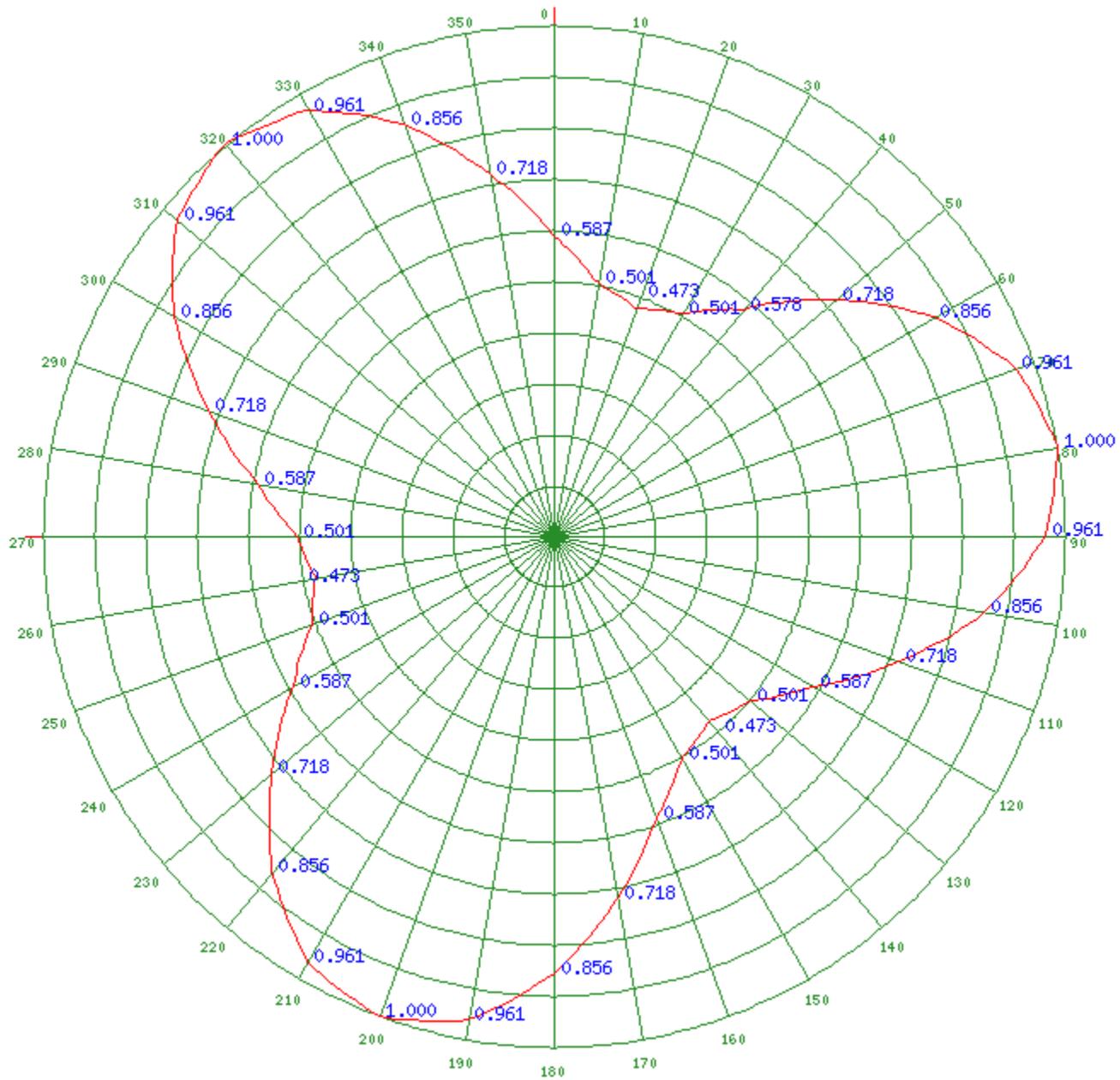
SECTION III - PREPARER'S CERTIFICATION

I certify that I have prepared Section III (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name JOSEPH M. DAVIS, P.E.	Relationship to Applicant (e.g., Consulting Engineer) CONSULTING ENGINEER	
Signature	Date 12/29/2008	
Mailing Address CHESAPEAKE RF CONSULTANTS, LLC 11993 KAHNS ROAD		
City MANASSAS	State or Country (if foreign address) VA	Zip Code 20112 -
Telephone Number (include area code) 7036509600	E-Mail Address (if available) JOSEPH.DAVIS@RF-CONSULTANTS.COM	

Any specified rotation has already been applied to the plotted pattern.
Field strength values shown on a rotated pattern may differ from the listed values
because intermediate azimuths are interpolated between entered azimuths.

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