

TECHNICAL EXHIBIT
DTV MAXIMIZATION APPLICATION
STATION WWJX(DT)
JACKSON, MISSISSIPPI
CH 51 1000 KW 475 M

Technical Narrative

This Technical Exhibit supports an application for digital television (DTV) station WWJX(DT) for its "maximized" DTV operation at Jackson, Mississippi. This application requests a construction permit (CP) for WWJX(DT) digital television operation on channel 51 at Jackson with a non-directional effective radiated power of 1000 kilowatts.

Proposed Facilities

Station WWJX(DT) proposes to operate DTV channel 51 from its authorized DTV construction permit site. The antenna height above average terrain for the channel 51 DTV operation will be 475 meters. The proposed WWJX(DT) effective radiated power exceeds the Commission's *Appendix B* allocated maximum effective radiated power in some azimuthal directions for WWJX(DT).¹ Therefore, an allocation study was completed to ensure no prohibited interference would occur.

The proposed DTV transmitter site will be located at the authorized WWJX(DT) construction permit site. Therefore, the proposed site location is:

32° 14' 26" North Latitude
90° 24' 15" West Longitude

¹ See Seventh Report And Order And Eighth Further Notice Of Proposed Rule Making in the Matter of Advanced Television Systems and their Impact Upon the Existing Television Broadcast Service, MB Docket 87-268, Released August 6, 2007; Adopted August 1, 2007.

A sketch of antenna and pertinent elevations are included as Figure 1.

Figure 2 is a map showing the proposed DTV predicted coverage contour and the associated DTV appendix B Noise-Limited coverage contour. The extent of the contours have been calculated using the normal FCC prediction method.

Population Served

The herein proposed WWJX(DT) "maximized" facility is predicted to serve 831,549 persons, post-transition based upon the 2000 Census. WWJX(DT)'s associated Appendix B facility is predicted to serve 681,000 persons. Therefore, the herein proposed WWJX(DT) facility would serve more than 100% of WWJX(DT)'s Appendix B population.

Allocation Considerations

The proposed WWJX(DT) Channel 51 facility meets the requirements of Section 73.623 of the FCC Rules concerning predicted interference to other Appendix B DTV allotments. Longley-Rice interference analyses were conducted pursuant to the requirements of the FCC Rules; OET Bulletin No. 69; and published FCC guidelines for preparation of such interference analyses. The Longley-Rice interference analyses were conducted using the software developed by du Treil, Lundin & Rackley, Inc. based on the FCC published software routines.² Stations selected for analysis were determined pursuant to the

² The duTreil, Lundin & Rackley, Inc. DTV interference analysis program is based on the program and procedures outlined by the FCC in the Sixth Report and Order; subsequent Memorandum Opinion and Order; and FCC OET Bulletin No. 69. A nominal grid size resolution of 2 km was employed.

distance requirements outlined in the FCC DTV Processing Guidelines Public Notice. The results of the interference analyses for the proposed WWJX(DT) facility are summarized herein at Figure 3. As indicated therein, the proposed facility will meet the 0.5% criterion outlined in the FCC Rules and published guidelines with respect to all considered stations.³

Radiofrequency Electromagnetic Field Exposure

The proposed WWJX(DT) facilities were evaluated in terms of potential radiofrequency electromagnetic field exposure at ground level to workers and the general public. The radiation center for the proposed WWJX(DT) antenna is located 457 meters above ground level. The maximum effective radiated power is 1000 kilowatts. A "worst case" downward relative field value of 0.25 is assumed for the antenna's downward radiation. The calculated power density at a point 2 meters above ground level is 0.01 mW/cm². This is less than 5 percent of the Commission's recommended limit of 0.46 mW/cm² for channel 51 for an "uncontrolled" environment.

Access to the transmitting site is restricted and appropriately marked with warning signs. As this is a multi-user site, an agreement between the station will control access. In the event that workers or other authorized personnel enter restricted areas or climb the tower, appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure.

3 Interference analysis results reflect the net change in interference to a given station considering the interference predicted to occur from all other stations (i.e. "masking") including the allotment facility for WWJX(DT). This properly reflects the net interference change for determining compliance with the FCC 0.5% *de minimis* standard.

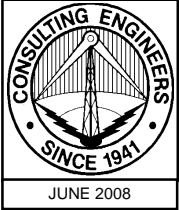
Such measures include reducing the average exposure by spreading out the work over a longer period of time, wearing "accepted" RFR protective clothing and/or RFR exposure monitors or scheduling work when the stations are at reduced power or shut down. The proposed WWJX(DT) operation appears to be otherwise categorically excluded from environmental processing.

It is noted that this statement only addresses the potential for radiofrequency electromagnetic field exposure. All other aspects of the environmental processing analysis will be or already have been provided to the FCC by the tower owner.

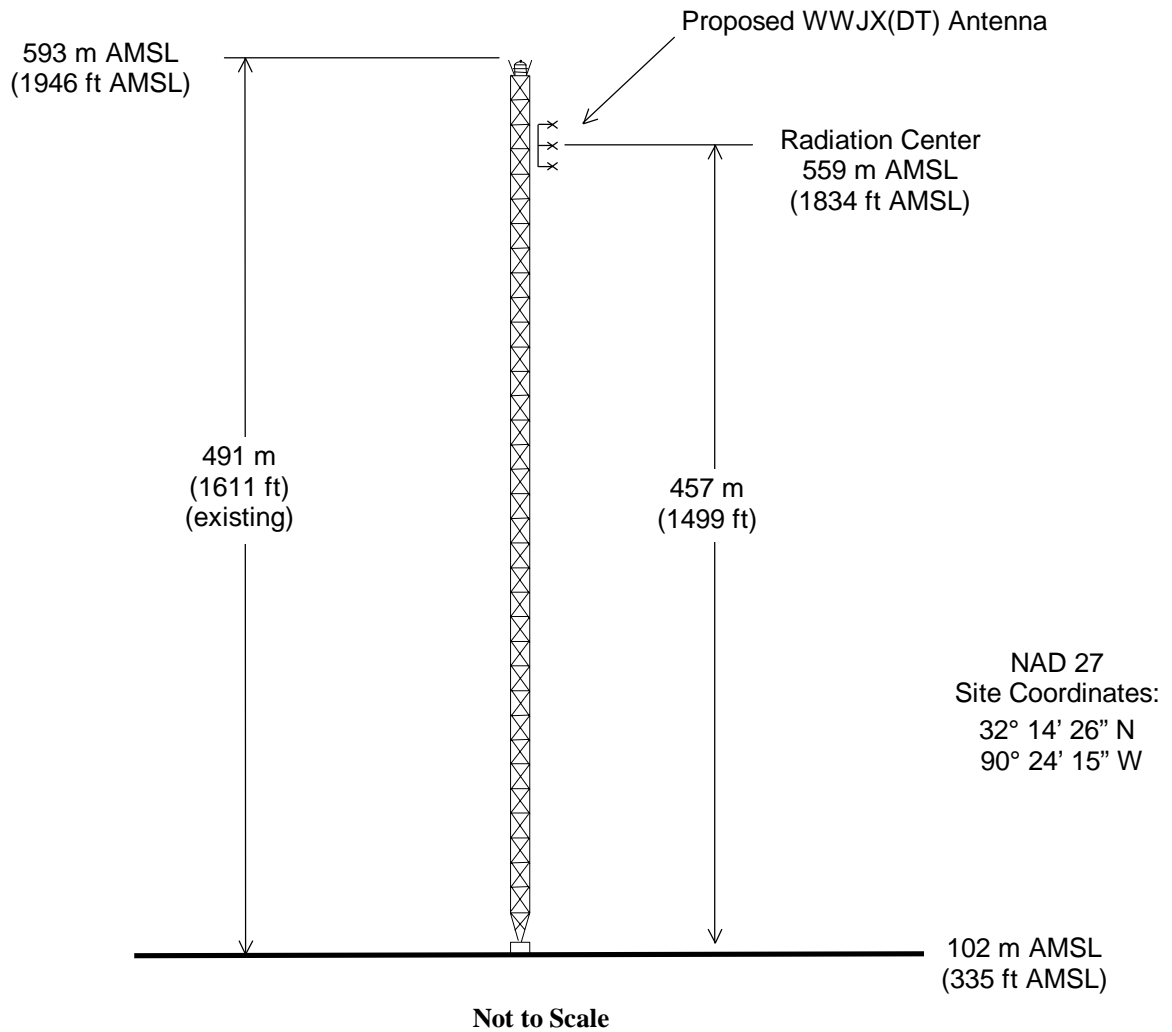
Charles Cooper

du Treil, Lundin & Rackley, Inc.
201 Fletcher Avenue
Sarasota, Florida 32437
941.329.6000

June 18, 2008



ASR: 1042633



ANTENNA AND SUPPORTING STRUCTURE

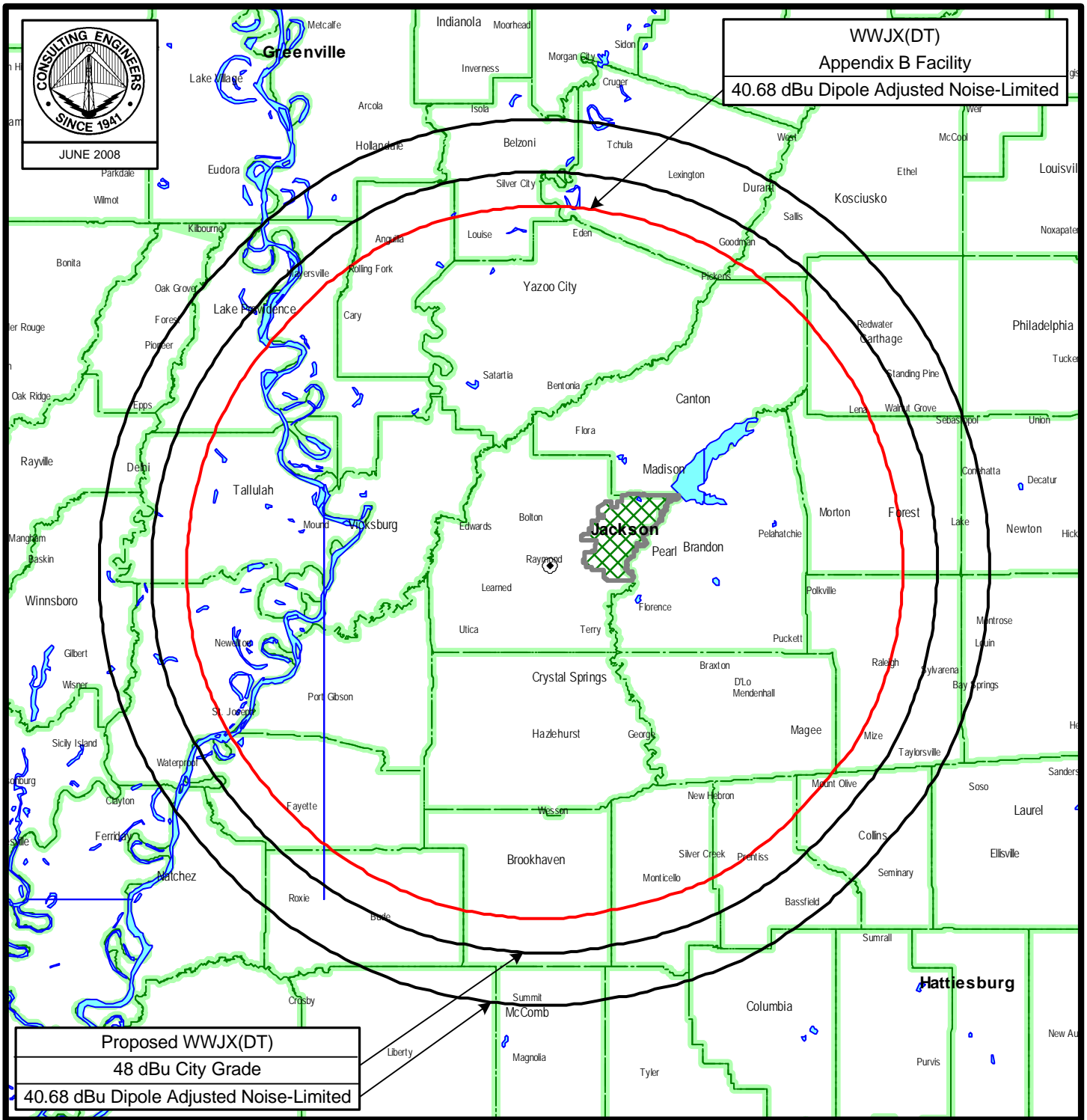
DTV STATION WWJX(DT)

JACKSON, MISSISSIPPI

CH 51 1000 KW 475 M

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

Figure 2



PREDICTED COVERAGE CONTOURS

DTV STATION WWJX(DT)

JACKSON, MISSISSIPPI

CH 51 1000 KW 475 M

du Treil, Lundin & Rackley, Inc Sarasota, Florida

Figure 3

TW Census data selected 2000
Post Transition Data Base Selected /export/home/cdbb/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-17-2008 Time: 19:19:28

Record Selected for Analysis

WWJX USERRECORD-01 JACKSON MS US
Channel 51 ERP 1000. kW HAAT 469. m RCAMSL 00559 m
Latitude 032-14-26 Longitude 0090-24-15
Status APP Zone 2 Border
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 does not meet maximum height/power limits
Channel 51 ERP = 1000.00 HAAT = 469.

Azimuth (Deg)	ERP (kW)	HAAT (m)	41.0 dBu F(50,90) (km)
0.0	1000.000	479.7	113.0
45.0	1000.000	463.7	111.8
90.0	1000.000	456.8	111.2
135.0	1000.000	444.9	110.2
180.0	1000.000	458.4	111.3
225.0	1000.000	476.9	112.8
270.0	1000.000	495.4	114.2
315.0	1000.000	474.1	112.6

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WWJX 51 JACKSON MS USERRECORD01

Figure 3

and station

SHORT TO: WNTZ 48 NATCHEZ MS BPCT 20011115AAF
031-52-33 0090-54-35
Req. separation => 24.1 <= 96.6 Actual separation 62.6 Short 34.0(38.5) km

SHORT TO: WWJX 51 JACKSON MS DTVPLN DTVPL1800
32 -14-26 90 -24-15
Req. separation 223.7 Actual separation 0.0 Short 223.7 km

SHORT TO: WWJX 51 JACKSON MS BPCDT 20080312ABI
032-14-26 0090-24-15
Req. separation 223.7 Actual separation 0.0 Short 223.7 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
51	WWJX JACKSON MS	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
51	WPXX-TV	MEMPHIS TN	334.7	LIC	BLCDT	-20020430ACC
51	WPXX-TV	MEMPHIS TN	334.7	PLN	DTVPLN	-DTVPL1813

Analysis of Interference to Affected Station 1

Analysis of current record

Figure 3

Channel	Call	City/State	Application Ref. No.	
51	WPXX-TV	MEMPHIS TN	BLCDT	-20020430ACC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
51	WWJX	JACKSON MS	334.7	PLN	DTVPLN -DTVP1800
51	WPGD-TV	HENDERSONVILLE TN	296.6	CP	BPCDT -20080312ABC
51	WPGD-TV	HENDERSONVILLE TN	296.6	PLN	DTVPLN -DTVP1812
51	WPGD-TV	HENDERSONVILLE TN	296.6	LIC	BLCDT -20050124ADA
51	WWJX	JACKSON MS	334.7	APP	USERRECORD-01

Total scenarios = 3

Result key: 1
 Scenario 1 Affected station 1
 Before Analysis

Results for: 51A TN MEMPHIS	BLCDT	20020430ACC	LIC
HAAT 298.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1464356	27638.5	
not affected by terrain losses	1453037	27450.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	1021	48.0	
lost to ATV IX only	1021	48.0	
lost to all IX	1021	48.0	

Potential Interfering Stations Included in above Scenario 1

51A TN HENDERSONVILLE	BPCDT	20080312ABC	CP
51A MS JACKSON	DTVPLN	DTVP1800	PLN

After Analysis

Results for: 51A TN MEMPHIS	BLCDT	20020430ACC	LIC
HAAT 298.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1464356	27638.5	
not affected by terrain losses	1453037	27450.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	1196	104.0	
lost to ATV IX only	1196	104.0	
lost to all IX	1196	104.0	

Potential Interfering Stations Included in above Scenario 1

51A TN HENDERSONVILLE	BPCDT	20080312ABC	CP
51A MS JACKSON	USERRECORD01		APP

Percent new IX = 0.0121%

Result key: 2
 Scenario 2 Affected station 1
 Before Analysis

Figure 3

Results for: 51A TN MEMPHIS	BLCDT	20020430ACC	LIC
HAAT 298.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1464356	27638.5	
not affected by terrain losses	1453037	27450.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	1021	48.0	
lost to ATV IX only	1021	48.0	
lost to all IX	1021	48.0	

Potential Interfering Stations Included in above Scenario 2

51A TN HENDERSONVILLE	DTVPLN	DTVP1812	PLN
51A MS JACKSON	DTVPLN	DTVP1800	PLN

After Analysis

Results for: 51A TN MEMPHIS	BLCDT	20020430ACC	LIC
HAAT 298.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1464356	27638.5	
not affected by terrain losses	1453037	27450.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	1196	104.0	
lost to ATV IX only	1196	104.0	
lost to all IX	1196	104.0	

Potential Interfering Stations Included in above Scenario 2

51A TN HENDERSONVILLE	DTVPLN	DTVP1812	PLN
51A MS JACKSON	USERRECORD01		APP

Percent new IX = 0.0121%

Result key: 3
 Scenario 3 Affected station 1
 Before Analysis

Results for: 51A TN MEMPHIS	BLCDT	20020430ACC	LIC
HAAT 298.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1464356	27638.5	
not affected by terrain losses	1453037	27450.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	1021	48.0	
lost to ATV IX only	1021	48.0	
lost to all IX	1021	48.0	

Potential Interfering Stations Included in above Scenario 3

51A TN HENDERSONVILLE	BLCDT	20050124ADA	LIC
51A MS JACKSON	DTVPLN	DTVP1800	PLN

After Analysis

Results for: 51A TN MEMPHIS	BLCDT	20020430ACC	LIC
HAAT 298.0 m, ATV ERP 1000.0 kW			

Figure 3

	POPULATION	AREA (sq km)
within Noise Limited Contour	1464356	27638.5
not affected by terrain losses	1453037	27450.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1196	104.0
lost to ATV IX only	1196	104.0
lost to all IX	1196	104.0

Potential Interfering Stations Included in above Scenario 3

51A TN HENDERSONVILLE	BLCDDT	20050124ADA	LIC
51A MS JACKSON	USERRECORD01		APP

Percent new IX = 0.0121%

Worst case new IX 0.0121% Scenario 1

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
51	WPXX-TV	MEMPHIS TN	DTVPLN -DTV1813

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
51	WWJX	JACKSON MS	334.7	PLN	DTVPLN -DTV1800
51	WPGD-TV	HENDERSONVILLE TN	296.6	CP	BPCDDT -20080312ABC
51	WPGD-TV	HENDERSONVILLE TN	296.6	PLN	DTVPLN -DTV1812
51	WPGD-TV	HENDERSONVILLE TN	296.6	LIC	BLCDDT -20050124ADA
51	WWJX	JACKSON MS	334.7	APP	USERRECORD-01

Total scenarios = 3

Result key: 4

Scenario 1 Affected station 2

Before Analysis

	POPULATION	AREA (sq km)
within Noise Limited Contour	1464356	27638.5
not affected by terrain losses	1453037	27450.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1021	48.0
lost to ATV IX only	1021	48.0
lost to all IX	1021	48.0

Potential Interfering Stations Included in above Scenario 1

51A TN HENDERSONVILLE	BPCDDT	20080312ABC	CP
51A MS JACKSON	DTVPLN	DTV1800	PLN

Figure 3

After Analysis

	POPULATION	AREA (sq km)
within Noise Limited Contour	1464356	27638.5
not affected by terrain losses	1453037	27450.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1196	104.0
lost to ATV IX only	1196	104.0
lost to all IX	1196	104.0

Potential Interfering Stations Included in above Scenario 1

51A TN HENDERSONVILLE	BPCDDT	20080312ABC	CP
51A MS JACKSON	USERRECORD01		APP

Percent new IX = 0.0121%

Result key: 5

Scenario 2 Affected station 2

Before Analysis

	POPULATION	AREA (sq km)
within Noise Limited Contour	1464356	27638.5
not affected by terrain losses	1453037	27450.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1021	48.0
lost to ATV IX only	1021	48.0
lost to all IX	1021	48.0

Potential Interfering Stations Included in above Scenario 2

51A TN HENDERSONVILLE	DTVPLN	DTV1812	PLN
51A MS JACKSON	DTVPLN	DTV1800	PLN

After Analysis

	POPULATION	AREA (sq km)
within Noise Limited Contour	1464356	27638.5
not affected by terrain losses	1453037	27450.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1196	104.0
lost to ATV IX only	1196	104.0
lost to all IX	1196	104.0

Potential Interfering Stations Included in above Scenario 2

51A TN HENDERSONVILLE	DTVPLN	DTV1812	PLN
51A MS JACKSON	USERRECORD01		APP

Percent new IX = 0.0121%

Figure 3

Result key: 6
Scenario 3 Affected station 2
Before Analysis

Results for: 51A TN MEMPHIS DTVPLN DTVP1813 PLN
HAAT 298.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1464356	27638.5
not affected by terrain losses	1453037	27450.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1021	48.0
lost to ATV IX only	1021	48.0
lost to all IX	1021	48.0

Potential Interfering Stations Included in above Scenario 3

51A TN HENDERSONVILLE	BLCDT	20050124ADA	LIC
51A MS JACKSON	DTVPLN	DTVP1800	PLN

After Analysis

Results for: 51A TN MEMPHIS DTVPLN DTVP1813 PLN
HAAT 298.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1464356	27638.5
not affected by terrain losses	1453037	27450.6
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1196	104.0
lost to ATV IX only	1196	104.0
lost to all IX	1196	104.0

Potential Interfering Stations Included in above Scenario 3

51A TN HENDERSONVILLE	BLCDT	20050124ADA	LIC
51A MS JACKSON	USERRECORD01		APP

Percent new IX = 0.0121%

Worst case new IX 0.0121% Scenario 1

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
51	WWJX	JACKSON MS	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
51	WPXX-TV	MEMPHIS TN	334.7	LIC	BLCDT -20020430ACC
51	WPXX-TV	MEMPHIS TN	334.7	PLN	DTVPLN -DTVP1813

Figure 3

Total scenarios = 2

Result key: 7
Scenario 1 Affected station 3
Before Analysis

Results for: 51A MS JACKSON USERRECORD01 APP
HAAT 469.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	833773	37817.1
not affected by terrain losses	831833	37627.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	284	36.3
lost to ATV IX only	284	36.3
lost to all IX	284	36.3

Potential Interfering Stations Included in above Scenario 1

51A TN MEMPHIS	BLCDT	20020430ACC	LIC
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Result key: 8
Scenario 2 Affected station 3
Before Analysis

Results for: 51A MS JACKSON USERRECORD01 APP
HAAT 469.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	833773	37817.1
not affected by terrain losses	831833	37627.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	284	36.3
lost to ATV IX only	284	36.3
lost to all IX	284	36.3

Potential Interfering Stations Included in above Scenario 2

51A TN MEMPHIS	DTVPLN	DTVP1813	PLN
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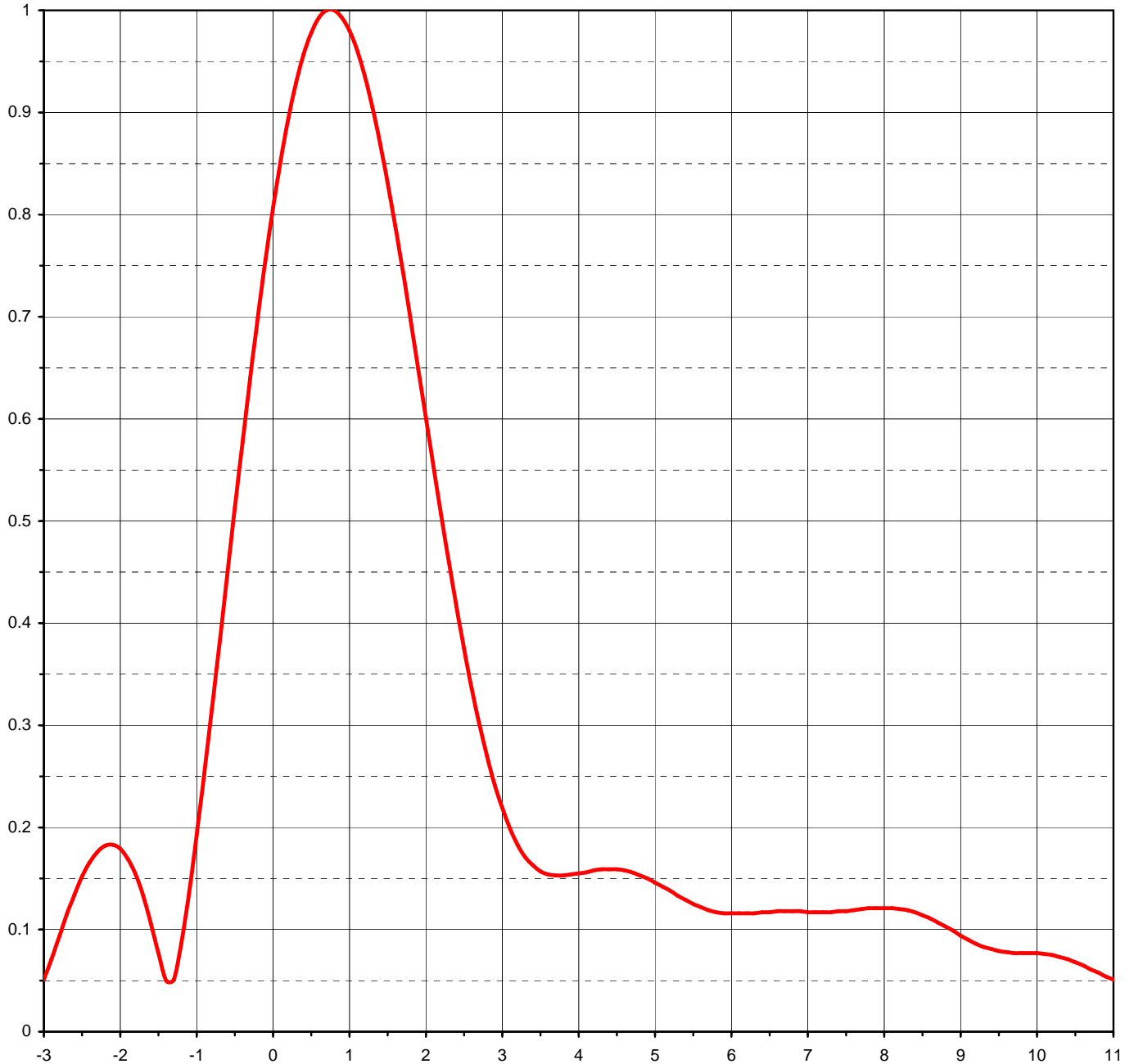
FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED



Proposal Number	C-02682	
Date	3-Jun-08	
Call Letters	WWJX-DT	Channel 51
Location	Jackson, MS	
Customer		
Antenna Type	TFU-30DSC-R 04	

ELEVATION PATTERN

RMS Gain at Main Lobe	25.50 (14.07 dB)	Beam Tilt	0.75 deg
RMS Gain at Horizontal	16.60 (12.20 dB)	Frequency	695.00 MHz
Calculated / Measured	Calculated	Drawing #	30Q255075



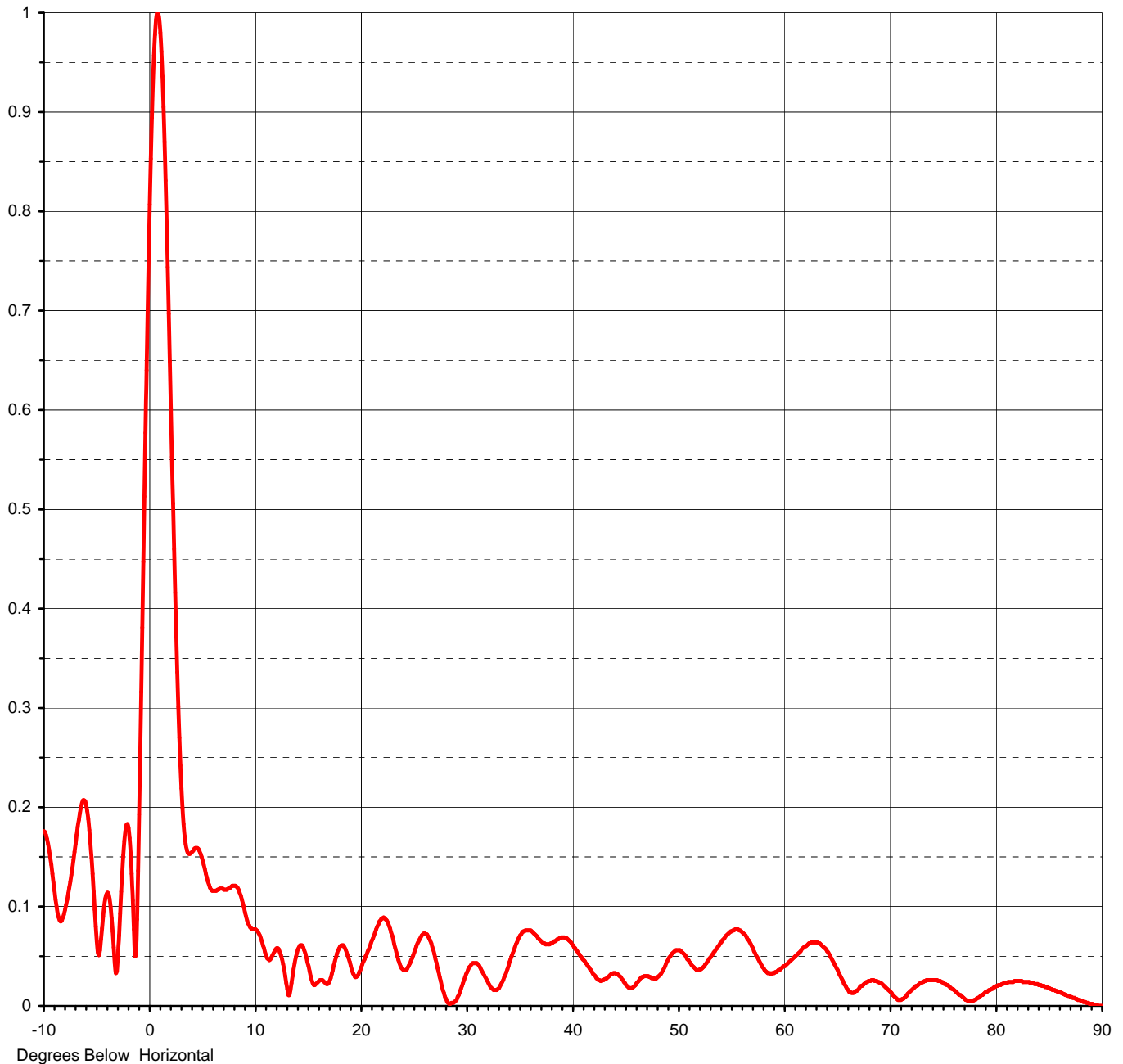
Degrees Below Horizontal



Proposal Number	C-02682	
Date	3-Jun-08	
Call Letters	WWJX-DT	Channel 51
Location	Jackson, MS	
Customer		
Antenna Type	TFU-30DSC-R 04	

ELEVATION PATTERN

RMS Gain at Main Lobe	25.50 (14.07 dB)	Beam Tilt	0.75 deg
RMS Gain at Horizontal	16.60 (12.20 dB)	Frequency	695.00 MHz
Calculated / Measured	Calculated	Drawing #	30Q255075-90





Proposal Number **C-02682**
Date **3-Jun-08**
Call Letters **WWJX-DT** Channel **51**
Location **Jackson, MS**
Customer
Antenna Type **TFU-30DSC-R 04**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **30Q255075-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.176	2.4	0.416	10.6	0.068	30.5	0.042	51.0	0.046	71.5	0.010
-9.5	0.157	2.6	0.336	10.8	0.061	31.0	0.043	51.5	0.039	72.0	0.016
-9.0	0.116	2.8	0.270	11.0	0.054	31.5	0.035	52.0	0.036	72.5	0.020
-8.5	0.086	3.0	0.219	11.5	0.047	32.0	0.025	52.5	0.040	73.0	0.024
-8.0	0.097	3.2	0.183	12.0	0.057	32.5	0.017	53.0	0.048	73.5	0.026
-7.5	0.125	3.4	0.163	12.5	0.051	33.0	0.017	53.5	0.055	74.0	0.026
-7.0	0.163	3.6	0.154	13.0	0.023	33.5	0.026	54.0	0.063	74.5	0.025
-6.5	0.200	3.8	0.153	13.5	0.023	34.0	0.040	54.5	0.070	75.0	0.023
-6.0	0.202	4.0	0.155	14.0	0.053	34.5	0.056	55.0	0.075	75.5	0.020
-5.5	0.149	4.2	0.158	14.5	0.061	35.0	0.069	55.5	0.077	76.0	0.016
-5.0	0.065	4.4	0.159	15.0	0.044	35.5	0.075	56.0	0.075	76.5	0.011
-4.5	0.078	4.6	0.158	15.5	0.023	36.0	0.076	56.5	0.069	77.0	0.007
-4.0	0.114	4.8	0.153	16.0	0.024	36.5	0.072	57.0	0.060	77.5	0.005
-3.5	0.075	5.0	0.146	16.5	0.025	37.0	0.066	57.5	0.049	78.0	0.006
-3.0	0.051	5.2	0.138	17.0	0.023	37.5	0.062	58.0	0.039	78.5	0.010
-2.8	0.093	5.4	0.129	17.5	0.041	38.0	0.063	58.5	0.033	79.0	0.014
-2.6	0.134	5.6	0.122	18.0	0.058	38.5	0.066	59.0	0.033	79.5	0.017
-2.4	0.166	5.8	0.117	18.5	0.059	39.0	0.069	59.5	0.036	80.0	0.020
-2.2	0.182	6.0	0.116	19.0	0.044	39.5	0.068	60.0	0.040	80.5	0.022
-2.0	0.179	6.2	0.116	19.5	0.029	40.0	0.062	60.5	0.044	81.0	0.023
-1.8	0.154	6.4	0.117	20.0	0.036	40.5	0.055	61.0	0.049	81.5	0.024
-1.6	0.106	6.6	0.118	20.5	0.050	41.0	0.047	61.5	0.054	82.0	0.025
-1.4	0.050	6.8	0.118	21.0	0.063	41.5	0.040	62.0	0.060	82.5	0.024
-1.2	0.087	7.0	0.117	21.5	0.077	42.0	0.032	62.5	0.063	83.0	0.024
-1.0	0.193	7.2	0.117	22.0	0.088	42.5	0.026	63.0	0.064	83.5	0.023
-0.8	0.316	7.4	0.118	22.5	0.086	43.0	0.026	63.5	0.062	84.0	0.021
-0.6	0.447	7.6	0.119	23.0	0.071	43.5	0.030	64.0	0.057	84.5	0.020
-0.4	0.577	7.8	0.121	23.5	0.050	44.0	0.033	64.5	0.046	85.0	0.018
-0.2	0.699	8.0	0.121	24.0	0.037	44.5	0.030	65.0	0.036	85.5	0.016
0.0	0.807	8.2	0.120	24.5	0.039	45.0	0.023	65.5	0.025	86.0	0.014
0.2	0.894	8.4	0.117	25.0	0.051	45.5	0.018	66.0	0.016	86.5	0.011
0.4	0.957	8.6	0.111	25.5	0.065	46.0	0.021	66.5	0.013	87.0	0.009
0.6	0.993	8.8	0.103	26.0	0.073	46.5	0.028	67.0	0.017	87.5	0.007
0.8	1.000	9.0	0.094	26.5	0.068	47.0	0.030	67.5	0.022	88.0	0.005
1.0	0.980	9.2	0.086	27.0	0.052	47.5	0.028	68.0	0.025	88.5	0.003
1.2	0.936	9.4	0.081	27.5	0.029	48.0	0.028	68.5	0.025	89.0	0.002
1.4	0.870	9.6	0.078	28.0	0.009	48.5	0.034	69.0	0.023	89.5	0.001
1.6	0.789	9.8	0.077	28.5	0.002	49.0	0.045	69.5	0.019	90.0	0.000
1.8	0.697	10.0	0.077	29.0	0.005	49.5	0.053	70.0	0.014		
2.0	0.601	10.2	0.076	29.5	0.017	50.0	0.056	70.5	0.008		
2.2	0.506	10.4	0.073	30.0	0.032	50.5	0.053	71.0	0.006		

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