

TECHNICAL EXHIBIT
DTV MAXIMIZATION APPLICATION
FOR NEW DTV STATION
SENATOBIA, MISSISSIPPI
CH 34 1000 KW (MAX-DA) 237 M

Technical Narrative

This Technical Exhibit supports an application for digital television (DTV) station NEW for its "maximized" DTV operation at Senatobia, Mississippi. This application requests a construction permit (CP) for NEW digital television operation on channel 34 at Senatobia with a directional effective radiated power of 1000 kilowatts. The proposed NEW station intends to use a Dielectric TFU-28DSC/VP-R T150 directional transmitting antenna for digital operation.

Proposed Facilities

The NEW station proposes to operate DTV channel 34 from a tower with an Antenna Structure Registration Number (ASRN) of 1249321. The antenna height above average terrain for the channel 34 DTV operation will be 237 meters.

The proposed DTV transmitter site will be located on a tower with an ASRN of 1249321. Therefore, the proposed site location is:

35° 12' 34" North Latitude
89° 49' 01" West Longitude

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

The Appendix contains the vertical and horizontal plane radiation pattern for the proposed antenna system.

Figure 2 is a map showing the proposed DTV predicted coverage contour. The extent of the contour has been calculated using the normal FCC prediction method. The Memphis city limits were derived from information contained in the 2000 U.S. Census of Population and Housing.

Population Served

The herein proposed NEW "maximized" facility is predicted to serve 1,369,036 persons, post-transition based upon the 2000 Census.

Allocation Considerations

The proposed NEW Channel 34 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.¹ Stations selected for analysis were determined pursuant to

the distance requirements outlined in the FCC DTV Processing Guidelines Public Notice. The results of the interference analyses for the proposed NEW 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.²

Radiofrequency Electromagnetic Field Exposure

The proposed NEW 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 NEW antenna is located 241 meters above ground level. The maximum effective radiated power is 1000 kilowatts. A "worst case" downward relative field value of 0.1 is assumed for the antenna's downward radiation. The calculated power density at a point 2 meters above ground level is 0.006 mW/cm². This is less than 5 percent of the Commission's recommended limit of 0.4 mW/cm² for channel 34 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 stations will control access. In the event that workers or other authorized personnel enter restricted areas or climb the

1 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.

2 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 NEW. This properly reflects the net interference change for determining compliance with the FCC 0.5% *de minimis* standard.

tower, appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. 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 NEW operation appears to be otherwise categorically excluded from environmental processing.

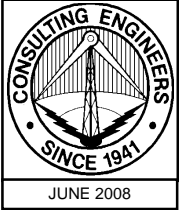
It is noted that this statement only addresses the potential for radiofrequency electromagnetic field exposure. All other aspects of the environmental processing analysis will be or already have been provided to the FCC by the tower owner.

Charles Cooper

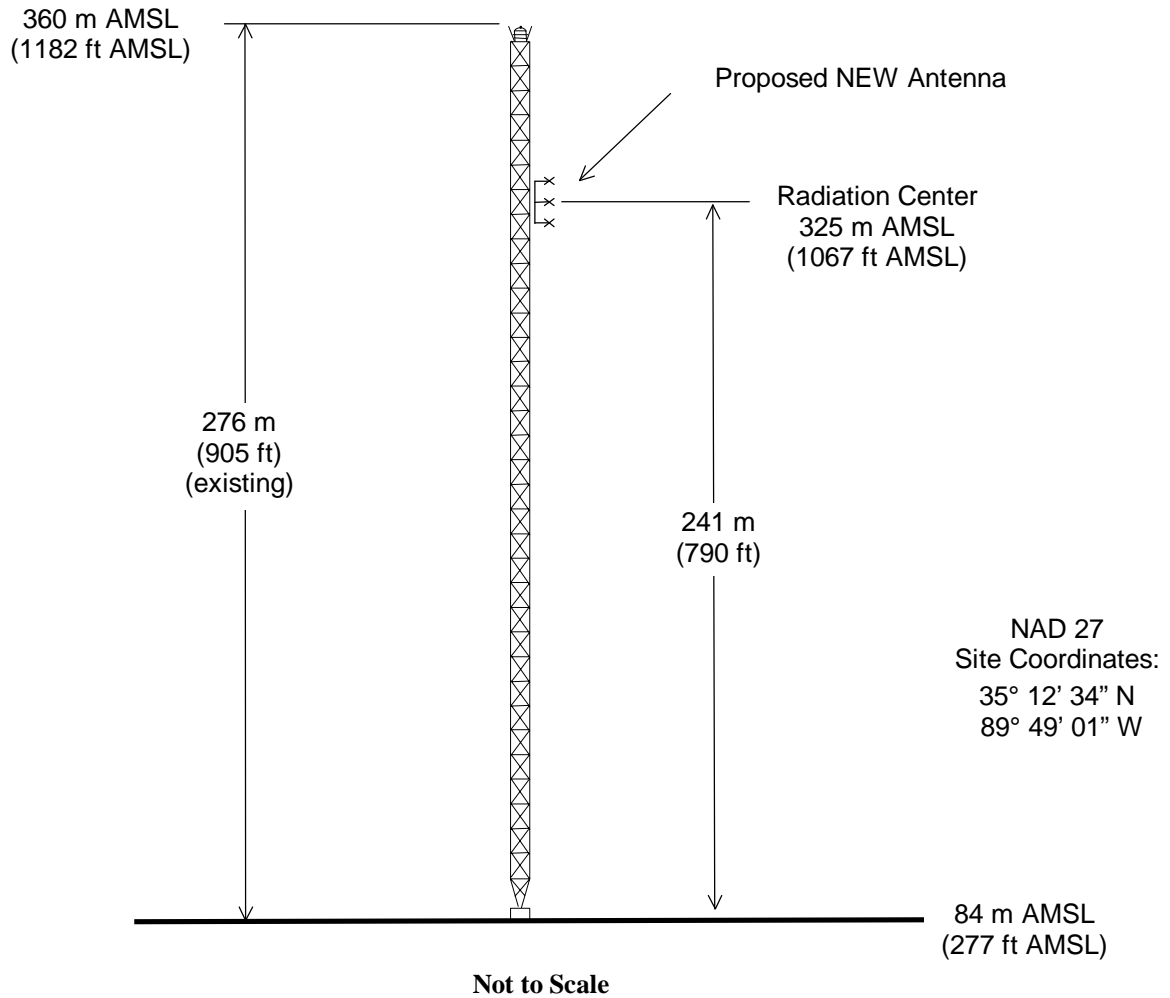
du Treil, Lundin & Rackley, Inc.
201 Fletcher Avenue
Sarasota, Florida 32437
941.329.6000

June 18, 2008

Figure 1



ASR: 1249321



ANTENNA AND SUPPORTING STRUCTURE

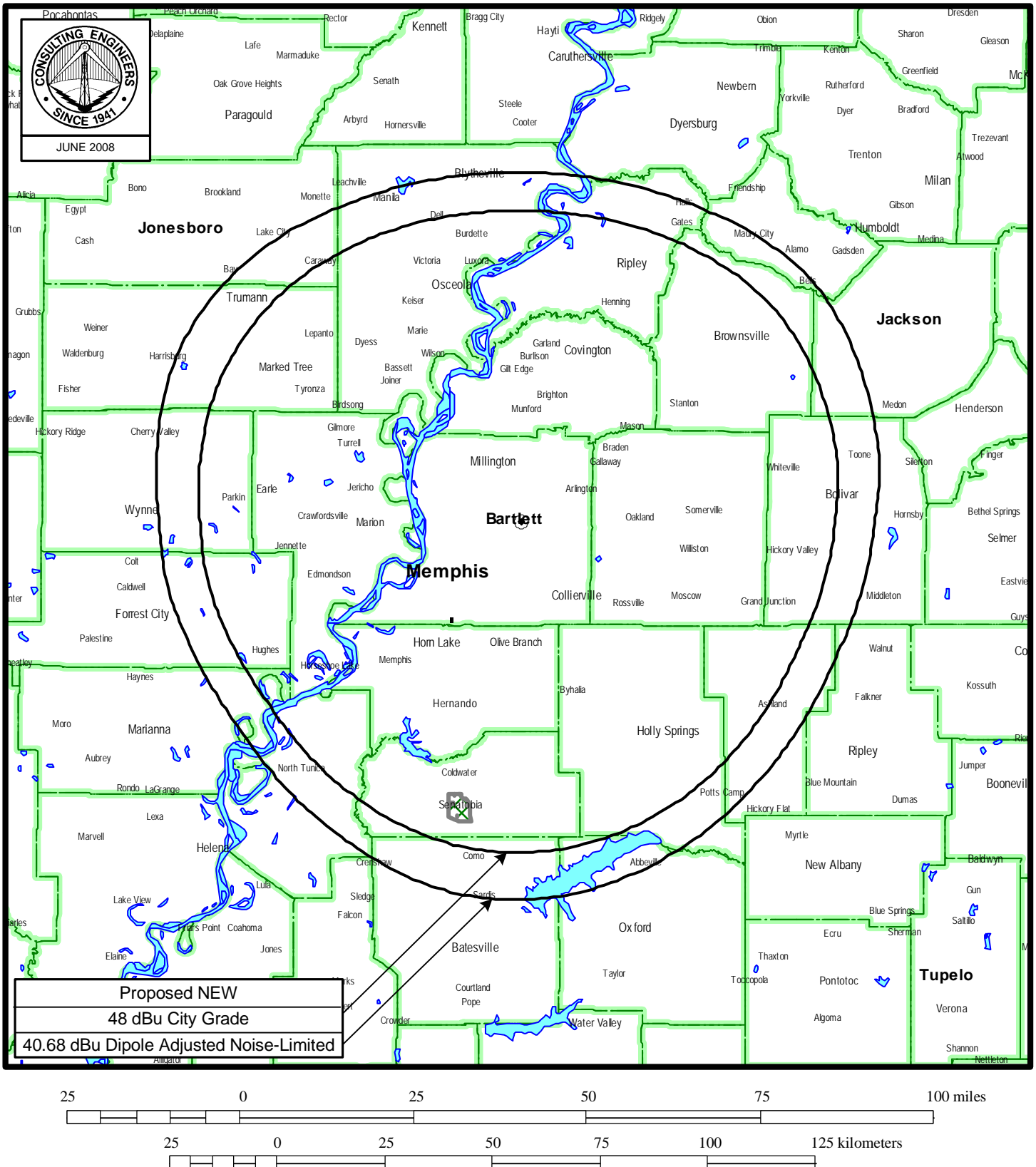
DTV STATION NEW

SENATOBIA, MISSISSIPPI

CH 34 1000 KW (MAX-DA) 237 M

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

Figure 2



PREDICTED COVERAGE CONTOURS

NEW DTV STATION

SENATOBIA, MISSISSIPPI

CH 34 1000 KW (MAX-DA) 237 M

du Treil, Lundin & Rackley, Inc Sarasota, Florida

Figure 3

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

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-18-2008 Time: 11:39:50

Record Selected for Analysis

961001KI USERRECORD-01 SENATOBIA MS US
Channel 34 ERP 1000. kW HAAT 234. m RCAMSL 00325 m
Latitude 035-12-34 Longitude 0089-49-01
Status APP Zone 2 Border
Dir Antenna Make usr Model SENAMAX 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	396.900	238.6	80.7
45.0	874.225	238.2	86.2
90.0	641.601	211.2	81.4
135.0	463.761	230.6	81.0
180.0	1000.000	232.9	86.8
225.0	463.761	240.8	81.8
270.0	641.601	235.9	83.5
315.0	874.225	241.3	86.6

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

Figure 3

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Call	City/State	ARN
34	961001KI	SENATOBIA MS	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	WJTE-LP	JACKSON TN	111.5	LIC	BLTTL	-19990809JI
19	WJTE-LP	JACKSON TN	111.5	CP	BPTTA	-20030108AAX
33	WDYR-CA	DYERSBURG TN	100.3	LIC	BLTTA	-20011221ABF
34	KPBI	EUREKA SPRINGS AR	396.0	CP	BPCDT	-20080328ABW
34	KPBI	EUREKA SPRINGS AR	398.8	PLN	DTVPLN	-DTVP1238
34	WSIL-TV	HARRISBURG IL	280.3	CP	BPCDT	-19991019ABM
34	WSIL-TV	HARRISBURG IL	280.3	PLN	DTVPLN	-DTVP1251
34	WSIL-TV	HARRISBURG IL	280.3	APP	BMPCDT	-20080317AEU
34	WRBJ	MAGEE MS	344.1	PLN	DTVPLN	-DTVP1258
34	WRBJ	MAGEE MS	344.1	CP	BPCDT	-20080317AIP
35	WCBI-TV	COLUMBUS MS	183.5	LIC	BLCDT	-20020822ABO
35	WCBI-TV	COLUMBUS MS	183.5	PLN	DTVPLN	-DTVP1299
42	W42BY	MEMPHIS TN	22.7	LIC	BLTTL	-19980629JE

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	WJTE-LP	JACKSON TN	BLTTL	-19990809JI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	WIIQ	DEMOPOLIS AL	380.2	LIC	BLEDT	-20031023AAI
19	WIIQ	DEMOPOLIS AL	380.2	PLN	DTVPLN	-DTVP0663
19	WHNT-TV	HUNTSVILLE AL	227.9	LIC	BLCT	-20011116ABY
19	WHNT-TV	HUNTSVILLE AL	227.9	PLN	DTVPLN	-DTVP0664
19	WHNT-TV	HUNTSVILLE AL	227.9	APP	BPCDT	-20080313AAC
19	KTEJ	JONESBORO AR	183.8	LIC	BLET	-20060627AAF
19	WUSI-TV	OLNEY IL	352.6	LIC	BLEDT	-20060619ABG
19	WUSI-TV	OLNEY IL	352.6	PLN	DTVPLN	-DTVP0677
19	WBKI-TV	CAMPBELLSVILLE KY	357.6	CP	BPCDT	-19991101AKV
19	WBKI-TV	CAMPBELLSVILLE KY	357.6	PLN	DTVPLN	-DTVP0682
19	WAZE-TV	MADISONVILLE KY	218.9	LIC	BLCT	-19921030KF
23	WTWV	MEMPHIS TN	133.2	PLN	DTVPLN	-DTVP0862

Figure 3

23 WTVV MEMPHIS TN 111.5 CP BPEDT -20080311ACL
 34 961001KI SENATOBIA MS 111.5 APP USERRECORD-01

Proposed station is beyond the site to
 nearest cell evaluation distance

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
19	WJTE-LP	JACKSON TN	BPTTA -20030108AAX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
16	WJKT	JACKSON TN	33.6	LIC	BLCT -19920224KF
18	W18BL	ADAMSVILLE TN	62.0	LIC	BLTTL -19940511JH
19	WIIQ	DEMOPOLIS AL	380.2	LIC	BLEDT -20031023AAI
19	WIIQ	DEMOPOLIS AL	380.2	PLN	DTVPLN -DTVP0663
19	WHNT-TV	HUNTSVILLE AL	227.9	LIC	BLCT -20011116ABY
19	WHNT-TV	HUNTSVILLE AL	227.9	PLN	DTVPLN -DTVP0664
19	WHNT-TV	HUNTSVILLE AL	227.9	APP	BPCDT -20080313AAC
19	KTEJ	JONESBORO AR	183.8	LIC	BLET -20060627AAF
19	WUSI-TV	OLNEY IL	352.6	LIC	BLEDT -20060619ABG
19	WUSI-TV	OLNEY IL	352.6	PLN	DTVPLN -DTVP0677
19	WBKI-TV	CAMPBELLSVILLE KY	357.6	CP	BPCDT -19991101AKV
19	WBKI-TV	CAMPBELLSVILLE KY	357.6	PLN	DTVPLN -DTVP0682
19	WAZE-TV	MADISONVILLE KY	218.9	LIC	BLCT -19921030KF
21	WKMU	MURRAY KY	111.4	LIC	BLET -19830812KO
23	WTVV	MEMPHIS TN	133.2	PLN	DTVPLN -DTVP0862
23	WTVV	MEMPHIS TN	111.5	CP	BPEDT -20080311ACL
34	961001KI	SENATOBIA MS	111.5	APP	USERRECORD-01

Proposed station is beyond the site to
 nearest cell evaluation distance

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
33	WDYR-CA	DYERSBURG TN	BLTTA -20011221ABF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
25	WPTY-TV	MEMPHIS TN	92.1	LIC	BLCDT -20050628AAP
25	WPTY-TV	MEMPHIS TN	92.1	PLN	DTVPLN -DTVP0937
29	WKNO	MEMPHIS TN	106.2	CP MOD	BMPEDT -20021112ACA
29	WKNO	MEMPHIS TN	106.2	PLN	DTVPLN -DTVP1094

Figure 3

29	WKNO	MEMPHIS TN	106.2	LIC	BLEDT	-20060627ABE
31	WLMT	MEMPHIS TN	92.1	LIC	BLCDT	-20050427ABN
31	WLMT	MEMPHIS TN	92.1	PLN	DTVPLN	-DTVP1159
32	WPSD-TV	PADUCAH KY	132.5	LIC	BLCDT	-20040227ABD
32	WPSD-TV	PADUCAH KY	132.5	PLN	DTVPLN	-DTVP1182
33	WCFT-TV	TUSCALOOSA AL	340.1	CP	BPCDT	-20080509ABU
33	WCFT-TV	TUSCALOOSA AL	340.1	PLN	DTVPLN	-DTVP1206
33	WCFT-TV	TUSCALOOSA AL	340.1	LIC	BLCT	-19961025KE
33	KSPR	SPRINGFIELD MO	338.6	LIC	BLCT	-19861020KF
33	NEW	JACKSON TN	73.0	APP	BNPTTL	-20000829AUW
33	NEW	JACKSON TN	76.7	APP	BNPTTL	-20000831ANY
33	NEW	JACKSON TN	84.8	APP	BNPTTL	-20000825AJU
36	WKMU	MURRAY KY	107.2	LIC	BLEDT	-20020304ALG
36	WKMU	MURRAY KY	107.2	PLN	DTVPLN	-DTVP1328
41	WKPD	PADUCAH KY	134.0	LIC	BLEDT	-20020304ALI
41	WKPD	PADUCAH KY	134.0	PLN	DTVPLN	-DTVP1472
41	WBUY-TV	HOLLY SPRINGS MS	120.9	CP	BPCDT	-20080307ACA
41	WBUY-TV	HOLLY SPRINGS MS	120.9	PLN	DTVPLN	-DTVP1477
41	WBUY-TV	HOLLY SPRINGS MS	120.9	LIC	BLCDT	-20060320AEN
47	WLJT	LEXINGTON TN	85.0	CP MOD	BMPEDT	-20020426AAH
47	WLJT	LEXINGTON TN	85.0	PLN	DTVPLN	-DTVP1692
48	KVTJ	JONESBORO AR	109.8	CP	BPCDT	-20080318ABM
48	KVTJ	JONESBORO AR	109.8	PLN	DTVPLN	-DTVP1696
48	KVTJ	JONESBORO AR	109.8	LIC	BLCT	-19980706KH
34	961001KI	SENATOBIA MS	100.3	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.
34	KPBI	EUREKA SPRINGS AR	BPCDT -20080328ABW

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
34	KMSS-TV	SHREVEPORT LA	416.3	LIC	BLCDT -20050705AAB
34	KMSS-TV	SHREVEPORT LA	416.3	PLN	DTVPLN -DTVP1254
34	WDAF-TV	KANSAS CITY MO	301.1	CP MOD	BMPEDT -20080122AOU
34	WDAF-TV	KANSAS CITY MO	301.1	PLN	DTVPLN -DTVP1257
34	961001KI	SENATOBIA MS	396.0	APP	USERRECORD-01

Proposed station is beyond the site to
 nearest cell evaluation distance

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
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Figure 3

34 KPBI EUREKA SPRINGS AR DTVPLN -DTVPL238

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
34	KMSS-TV	SHREVEPORT LA	419.7	LIC	BLCDDT -20050705AAB
34	KMSS-TV	SHREVEPORT LA	419.7	PLN	DTVPLN -DTVPL254
34	WDAF-TV	KANSAS CITY MO	297.5	CP MOD	BMPCDT -20080122AOU
34	WDAF-TV	KANSAS CITY MO	297.5	PLN	DTVPLN -DTVPL257
34	961001KI	SENATOBIA MS	398.8	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.
34	WSIL-TV	HARRISBURG IL	BPCDDT -19991019ABM

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
34	WQEC	QUINCY IL	337.0	LIC	BLEDT -20040715ADL
34	WQEC	QUINCY IL	337.0	PLN	DTVPLN -DTVPL252
34	WCET	CINCINNATI OH	414.6	LIC	BLEDT -20061031AAR
34	WCET	CINCINNATI OH	414.6	PLN	DTVPLN -DTVPL266
35	KSDK	ST. LOUIS MO	166.0	LIC	BLCDDT -19991202ABM
35	KSDK	ST. LOUIS MO	166.0	PLN	DTVPLN -DTVPL298
34	961001KI	SENATOBIA MS	280.3	APP	USERRECORD-01

Total scenarios = 2

Result key: 1
Scenario 1 Affected station 6
Before Analysis

Results for: 34A IL HARRISBURG BPCDDT 19991019ABM CP

HAAT	302.0 m, ATV ERP 1000.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	704387	31658.6	
not affected by terrain losses	703750	31485.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	490	24.1	
lost to ATV IX only	490	24.1	
lost to all IX	490	24.1	

Potential Interfering Stations Included in above Scenario 1

35A MO ST. LOUIS BLCDDT 19991202ABM LIC

After Analysis

Figure 3

Results for: 34A IL HARRISBURG BPCDDT 19991019ABM CP

HAAT	302.0 m, ATV ERP 1000.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	704387	31658.6	
not affected by terrain losses	703750	31485.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	1461	112.7	
lost to ATV IX only	1461	112.7	
lost to all IX	1461	112.7	

Potential Interfering Stations Included in above Scenario 1

35A MO ST. LOUIS BLCDDT 19991202ABM LIC
34A MS SENATOBIA USERRECORD01 APP

Percent new IX = 0.1381%

Result key: 2
Scenario 2 Affected station 6
Before Analysis

Results for: 34A IL HARRISBURG BPCDDT 19991019ABM CP

HAAT	302.0 m, ATV ERP 1000.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	704387	31658.6	
not affected by terrain losses	703750	31485.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	490	24.1	
lost to ATV IX only	490	24.1	
lost to all IX	490	24.1	

Potential Interfering Stations Included in above Scenario 2

35A MO ST. LOUIS DTVPLN DTVPL298 PLN

After Analysis

Results for: 34A IL HARRISBURG BPCDDT 19991019ABM CP

HAAT	302.0 m, ATV ERP 1000.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	704387	31658.6	
not affected by terrain losses	703750	31485.6	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	1461	112.7	
lost to ATV IX only	1461	112.7	
lost to all IX	1461	112.7	

Potential Interfering Stations Included in above Scenario 2

35A MO ST. LOUIS DTVPLN DTVPL298 PLN
34A MS SENATOBIA USERRECORD01 APP

Percent new IX = 0.1381%

Worst case new IX 0.1381% Scenario 1

Figure 3

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
34	WSIL-TV	HARRISBURG IL	DTVPLN -DTVPl251

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
34	WQEC	QUINCY IL	337.0	LIC	BLEDT -20040715ADL
34	WQEC	QUINCY IL	337.0	PLN	DTVPLN -DTVPl252
34	WCET	CINCINNATI OH	414.6	LIC	BLEDT -20061031AAR
34	WCET	CINCINNATI OH	414.6	PLN	DTVPLN -DTVPl266
35	KSDK	ST. LOUIS MO	166.0	LIC	BLCDT -19991202ABM
35	KSDK	ST. LOUIS MO	166.0	PLN	DTVPLN -DTVPl298
34	961001KI	SENATOBIA MS	280.3	APP	USERRECORD-01

Total scenarios = 2

Result key: 3
 Scenario 1 Affected station 7
 Before Analysis

Results for: 34A IL HARRISBURG			
HAAT	302.0 m, ATV ERP 1000.0 kW	DTVPLN	DTVPl251
		POPULATION	AREA (sq km)
within Noise Limited Contour		704387	31658.6
not affected by terrain losses		703750	31485.6
lost to NTSC IX		0	0.0
lost to additional IX by ATV		490	24.1
lost to ATV IX only		490	24.1
lost to all IX		490	24.1

Potential Interfering Stations Included in above Scenario 1

35A MO ST. LOUIS BLCDT 19991202ABM LIC

After Analysis

Results for: 34A IL HARRISBURG			
HAAT	302.0 m, ATV ERP 1000.0 kW	DTVPLN	DTVPl251
		POPULATION	AREA (sq km)
within Noise Limited Contour		704387	31658.6
not affected by terrain losses		703750	31485.6
lost to NTSC IX		0	0.0
lost to additional IX by ATV		1461	112.7
lost to ATV IX only		1461	112.7
lost to all IX		1461	112.7

Potential Interfering Stations Included in above Scenario 1

35A MO ST. LOUIS BLCDT 19991202ABM LIC

Figure 3

34A MS SENATOBIA USERRECORD01 APP

Percent new IX = 0.1381%

Result key: 4
 Scenario 2 Affected station 7
 Before Analysis

Results for: 34A IL HARRISBURG			
HAAT	302.0 m, ATV ERP 1000.0 kW	DTVPLN	DTVPl251
		POPULATION	AREA (sq km)
within Noise Limited Contour		704387	31658.6
not affected by terrain losses		703750	31485.6
lost to NTSC IX		0	0.0
lost to additional IX by ATV		490	24.1
lost to ATV IX only		490	24.1
lost to all IX		490	24.1

Potential Interfering Stations Included in above Scenario 2

35A MO ST. LOUIS DTVPLN DTVPl298 PLN

After Analysis

Results for: 34A IL HARRISBURG			
HAAT	302.0 m, ATV ERP 1000.0 kW	DTVPLN	DTVPl251
		POPULATION	AREA (sq km)
within Noise Limited Contour		704387	31658.6
not affected by terrain losses		703750	31485.6
lost to NTSC IX		0	0.0
lost to additional IX by ATV		1461	112.7
lost to ATV IX only		1461	112.7
lost to all IX		1461	112.7

Potential Interfering Stations Included in above Scenario 2

35A MO ST. LOUIS	DTVPLN	DTVPl298	PLN
34A MS SENATOBIA	USERRECORD01		APP

Percent new IX = 0.1381%

Worst case new IX 0.1381% Scenario 1

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
34	WSIL-TV	HARRISBURG IL	BMPCDT -20080317AEU

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
34	WQEC	QUINCY IL	337.0	LIC	BLEDT -20040715ADL

Figure 3

34	WQEC	QUINCY IL	337.0	PLN	DTVPLN	-DTVP1252
34	WCET	CINCINNATI OH	414.6	LIC	BLEDT	-20061031AAR
34	WCET	CINCINNATI OH	414.6	PLN	DTVPLN	-DTVP1266
35	KSDK	ST. LOUIS MO	166.0	LIC	BLCDT	-19991202ABM
35	KSDK	ST. LOUIS MO	166.0	PLN	DTVPLN	-DTVP1298
34	961001KI	SENATOBIA MS	280.3	APP	USERRECORD-01	

Total scenarios = 2

Result key: 5
 Scenario 1 Affected station 8
 Before Analysis

Results for: 34A IL HARRISBURG BMPCDT 20080317AEU APP
 HAAT 291.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	665360	29162.3
not affected by terrain losses	663174	29001.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	124	8.0
lost to ATV IX only	124	8.0
lost to all IX	124	8.0

Potential Interfering Stations Included in above Scenario 1

35A MO ST. LOUIS BLCDT 19991202ABM LIC

After Analysis

Results for: 34A IL HARRISBURG BMPCDT 20080317AEU APP
 HAAT 291.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	665360	29162.3
not affected by terrain losses	663174	29001.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	916	92.6
lost to ATV IX only	916	92.6
lost to all IX	916	92.6

Potential Interfering Stations Included in above Scenario 1

35A MO ST. LOUIS BLCDT 19991202ABM LIC
 34A MS SENATOBIA USERRECORD01 APP

Percent new IX = 0.1194%

Result key: 6
 Scenario 2 Affected station 8
 Before Analysis

Results for: 34A IL HARRISBURG BMPCDT 20080317AEU APP
 HAAT 291.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	665360	29162.3
not affected by terrain losses	663174	29001.3
lost to NTSC IX	0	0.0

Figure 3

lost to additional IX by ATV	124	8.0
lost to ATV IX only	124	8.0
lost to all IX	124	8.0

Potential Interfering Stations Included in above Scenario 2

35A MO ST. LOUIS DTVPLN DTVP1298 PLN

After Analysis

Results for: 34A IL HARRISBURG BMPCDT 20080317AEU APP
 HAAT 291.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	665360	29162.3
not affected by terrain losses	663174	29001.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	916	92.6
lost to ATV IX only	916	92.6
lost to all IX	916	92.6

Potential Interfering Stations Included in above Scenario 2

35A MO ST. LOUIS DTVPLN DTVP1298 PLN
 34A MS SENATOBIA USERRECORD01 APP

Percent new IX = 0.1194%

Worst case new IX 0.1194% Scenario 1

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Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application Ref. No.
34	WRBJ	MAGEE MS	DTVPLN -DTVP1258

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
34	WHBR	PENSACOLA FL	246.2	LIC	BLCDT -20060627AAV
34	WHBR	PENSACOLA FL	245.0	PLN	DTVPLN -DTVP1246
34	WVLA	BATON ROUGE LA	258.7	LIC	BLCDT -20051221AOO
34	WVLA	BATON ROUGE LA	258.7	PLN	DTVPLN -DTVP1253
34	KMSS-TV	SHREVEPORT LA	416.3	LIC	BLCDT -20050705AAB
34	KMSS-TV	SHREVEPORT LA	416.3	PLN	DTVPLN -DTVP1254
35	WCBI-TV	COLUMBUS MS	191.5	LIC	BLCDT -20020822ABO
35	WCBI-TV	COLUMBUS MS	191.5	PLN	DTVPLN -DTVP1299
34	961001KI	SENATOBIA MS	344.1	APP	USERRECORD-01

Total scenarios = 4

Result key: 7
 Scenario 1 Affected station 9

Figure 3

Before Analysis

Results for: 34A MS MAGEE	DTVPLN	DTVP1258	PLN
HAAT 305.0 m, ATV ERP 98.7 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	684275	19739.2	
not affected by terrain losses	683831	19707.3	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	2878	267.2	
lost to ATV IX only	2878	267.2	
lost to all IX	2878	267.2	

Potential Interfering Stations Included in above Scenario 1

34A FL PENSACOLA	BLCDDT	20060627AAV	LIC
34A LA BATON ROUGE	BLCDDT	20051221AOO	LIC

After Analysis

Results for: 34A MS MAGEE	DTVPLN	DTVP1258	PLN
HAAT 305.0 m, ATV ERP 98.7 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	684275	19739.2	
not affected by terrain losses	683831	19707.3	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	2921	271.2	
lost to ATV IX only	2921	271.2	
lost to all IX	2921	271.2	

Potential Interfering Stations Included in above Scenario 1

34A FL PENSACOLA	BLCDDT	20060627AAV	LIC
34A LA BATON ROUGE	BLCDDT	20051221AOO	LIC
34A MS SENATOBIA	USERRECORD01		APP

Percent new IX = 0.0063%

Result key: 8
Scenario 2 Affected station 9
Before Analysis

Results for: 34A MS MAGEE	DTVPLN	DTVP1258	PLN
HAAT 305.0 m, ATV ERP 98.7 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	684275	19739.2	
not affected by terrain losses	683831	19707.3	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	2878	267.2	
lost to ATV IX only	2878	267.2	
lost to all IX	2878	267.2	

Potential Interfering Stations Included in above Scenario 2

34A FL PENSACOLA	BLCDDT	20060627AAV	LIC
34A LA BATON ROUGE	DTVPLN	DTVP1253	PLN

After Analysis

Figure 3

Results for: 34A MS MAGEE	DTVPLN	DTVP1258	PLN
HAAT 305.0 m, ATV ERP 98.7 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	684275	19739.2	
not affected by terrain losses	683831	19707.3	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	2921	271.2	
lost to ATV IX only	2921	271.2	
lost to all IX	2921	271.2	

Potential Interfering Stations Included in above Scenario 2

34A FL PENSACOLA	BLCDDT	20060627AAV	LIC
34A LA BATON ROUGE	DTVPLN	DTVP1253	PLN
34A MS SENATOBIA	USERRECORD01		APP

Percent new IX = 0.0063%

Result key: 9
Scenario 3 Affected station 9
Before Analysis

Results for: 34A MS MAGEE	DTVPLN	DTVP1258	PLN
HAAT 305.0 m, ATV ERP 98.7 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	684275	19739.2	
not affected by terrain losses	683831	19707.3	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	2868	263.2	
lost to ATV IX only	2868	263.2	
lost to all IX	2868	263.2	

Potential Interfering Stations Included in above Scenario 3

34A FL PENSACOLA	DTVPLN	DTVP1246	PLN
34A LA BATON ROUGE	BLCDDT	20051221AOO	LIC

After Analysis

Results for: 34A MS MAGEE	DTVPLN	DTVP1258	PLN
HAAT 305.0 m, ATV ERP 98.7 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	684275	19739.2	
not affected by terrain losses	683831	19707.3	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	2911	267.2	
lost to ATV IX only	2911	267.2	
lost to all IX	2911	267.2	

Potential Interfering Stations Included in above Scenario 3

34A FL PENSACOLA	DTVPLN	DTVP1246	PLN
34A LA BATON ROUGE	BLCDDT	20051221AOO	LIC
34A MS SENATOBIA	USERRECORD01		APP

Percent new IX = 0.0063%

Figure 3

Result key: 10
 Scenario 4 Affected station 9
 Before Analysis

Results for: 34A MS MAGEE DTVPLN DTVP1258 PLN
 HAAT 305.0 m, ATV ERP 98.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	684275	19739.2
not affected by terrain losses	683831	19707.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2868	263.2
lost to ATV IX only	2868	263.2
lost to all IX	2868	263.2

Potential Interfering Stations Included in above Scenario 4

34A FL PENSACOLA	DTVPLN	DTVP1246	PLN
34A LA BATON ROUGE	DTVPLN	DTVP1253	PLN

After Analysis

Results for: 34A MS MAGEE DTVPLN DTVP1258 PLN
 HAAT 305.0 m, ATV ERP 98.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	684275	19739.2
not affected by terrain losses	683831	19707.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2911	267.2
lost to ATV IX only	2911	267.2
lost to all IX	2911	267.2

Potential Interfering Stations Included in above Scenario 4

34A FL PENSACOLA	DTVPLN	DTVP1246	PLN
34A LA BATON ROUGE	DTVPLN	DTVP1253	PLN
34A MS SENATOBIA	USERRECORD01		APP

Percent new IX = 0.0063%

Worst case new IX 0.0063% Scenario 1

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
34	WRBJ	MAGEE MS	BPCDT -20080317AIP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
34	WHBR	PENSACOLA FL	246.4	LIC	BLCDDT -20060627AAV
34	WHBR	PENSACOLA FL	245.2	PLN	DTVPLN -DTVP1246

Figure 3

34	WVLA	BATON ROUGE LA	258.5	LIC	BLCDDT	-20051221A00
34	WVLA	BATON ROUGE LA	258.5	PLN	DTVPLN	-DTVP1253
34	KMSS-TV	SHREVEPORT LA	416.0	LIC	BLCDDT	-20050705AAB
34	KMSS-TV	SHREVEPORT LA	416.0	PLN	DTVPLN	-DTVP1254
35	WCBI-TV	COLUMBUS MS	191.7	LIC	BLCDDT	-20020822ABO
35	WCBI-TV	COLUMBUS MS	191.7	PLN	DTVPLN	-DTVP1299
34	961001KI	SENATOBIA MS	344.1	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.
35	WCBI-TV	COLUMBUS MS	BLCDDT -20020822ABO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
34	WRBJ	MAGEE MS	191.5	PLN	DTVPLN -DTVP1258
34	WRBJ	MAGEE MS	191.7	CP	BPCDDT -20080317AIP
35	WLTZ	COLUMBUS GA	398.5	LIC	BLCDDT -20060627ABT
35	WLTZ	COLUMBUS GA	398.5	PLN	DTVPLN -DTVP1287
36	WABM	BIRMINGHAM AL	194.0	LIC	BLCDDT -20060406AAJ
36	WABM	BIRMINGHAM AL	194.0	PLN	DTVPLN -DTVP1312
36	WMAV-TV	OXFORD MS	97.0	CP	BPEDT -20000110AAB
36	WMAV-TV	OXFORD MS	97.0	PLN	DTVPLN -DTVP1335
34	961001KI	SENATOBIA MS	183.5	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.
35	WCBI-TV	COLUMBUS MS	DTVPLN -DTVP1299

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
34	WRBJ	MAGEE MS	191.5	PLN	DTVPLN -DTVP1258
34	WRBJ	MAGEE MS	191.7	CP	BPCDDT -20080317AIP
35	WLTZ	COLUMBUS GA	398.5	LIC	BLCDDT -20060627ABT
35	WLTZ	COLUMBUS GA	398.5	PLN	DTVPLN -DTVP1287
36	WABM	BIRMINGHAM AL	194.0	LIC	BLCDDT -20060406AAJ
36	WABM	BIRMINGHAM AL	194.0	PLN	DTVPLN -DTVP1312
36	WMAV-TV	OXFORD MS	97.0	CP	BPEDT -20000110AAB
36	WMAV-TV	OXFORD MS	97.0	PLN	DTVPLN -DTVP1335
34	961001KI	SENATOBIA MS	183.5	APP	USERRECORD-01

Total scenarios = 8

Figure 3

Result key: 11
 Scenario 1 Affected station 12
 Before Analysis

Results for: 35A MS COLUMBUS DTVP1299 PLN
 HAAT 610.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	759163	46550.5
not affected by terrain losses	756371	46020.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	28795	1559.2
lost to ATV IX only	28795	1559.2
lost to all IX	28795	1559.2

Potential Interfering Stations Included in above Scenario 1

35A GA COLUMBUS	BLCDDT	20060627ABT	LIC
36A AL BIRMINGHAM	BLCDDT	20060406AAJ	LIC
36A MS OXFORD	BPEDT	20000110AAB	CP

After Analysis

Results for: 35A MS COLUMBUS DTVP1299 PLN
 HAAT 610.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	759163	46550.5
not affected by terrain losses	756371	46020.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	28795	1559.2
lost to ATV IX only	28795	1559.2
lost to all IX	28795	1559.2

Potential Interfering Stations Included in above Scenario 1

35A GA COLUMBUS	BLCDDT	20060627ABT	LIC
36A AL BIRMINGHAM	BLCDDT	20060406AAJ	LIC
36A MS OXFORD	BPEDT	20000110AAB	CP
34A MS SENATOBIA	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 12
 Scenario 2 Affected station 12
 Before Analysis

Results for: 35A MS COLUMBUS DTVP1299 PLN
 HAAT 610.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	759163	46550.5
not affected by terrain losses	756371	46020.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	28795	1559.2
lost to ATV IX only	28795	1559.2
lost to all IX	28795	1559.2

Figure 3

Potential Interfering Stations Included in above Scenario 2

35A GA COLUMBUS	BLCDDT	20060627ABT	LIC
36A AL BIRMINGHAM	BLCDDT	20060406AAJ	LIC
36A MS OXFORD	DTVPLN	DTVP1335	PLN

After Analysis

Results for: 35A MS COLUMBUS DTVP1299 PLN
 HAAT 610.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	759163	46550.5
not affected by terrain losses	756371	46020.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	28795	1559.2
lost to ATV IX only	28795	1559.2
lost to all IX	28795	1559.2

Potential Interfering Stations Included in above Scenario 2

35A GA COLUMBUS	BLCDDT	20060627ABT	LIC
36A AL BIRMINGHAM	BLCDDT	20060406AAJ	LIC
36A MS OXFORD	DTVPLN	DTVP1335	PLN
34A MS SENATOBIA	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 13
 Scenario 3 Affected station 12
 Before Analysis

Results for: 35A MS COLUMBUS DTVP1299 PLN
 HAAT 610.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	759163	46550.5
not affected by terrain losses	756371	46020.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	28795	1559.2
lost to ATV IX only	28795	1559.2
lost to all IX	28795	1559.2

Potential Interfering Stations Included in above Scenario 3

35A GA COLUMBUS	BLCDDT	20060627ABT	LIC
36A AL BIRMINGHAM	DTVPLN	DTVP1312	PLN
36A MS OXFORD	BPEDT	20000110AAB	CP

After Analysis

Results for: 35A MS COLUMBUS DTVP1299 PLN
 HAAT 610.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	759163	46550.5
not affected by terrain losses	756371	46020.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	28795	1559.2
lost to ATV IX only	28795	1559.2

Figure 3

lost to all IX 28795 1559.2

Potential Interfering Stations Included in above Scenario 3

35A GA COLUMBUS	BLCDDT	20060627ABT	LIC
36A AL BIRMINGHAM	DTVPLN	DTVP1312	PLN
36A MS OXFORD	BPEDT	20000110AAB	CP
34A MS SENATOBIA	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 14

Scenario 4 Affected station 12

Before Analysis

Results for: 35A MS COLUMBUS DTVPLN DTVP1299 PLN

HAAT 610.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	759163	46550.5
not affected by terrain losses	756371	46020.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	28795	1559.2
lost to ATV IX only	28795	1559.2
lost to all IX	28795	1559.2

Potential Interfering Stations Included in above Scenario 4

35A GA COLUMBUS	BLCDDT	20060627ABT	LIC
36A AL BIRMINGHAM	DTVPLN	DTVP1312	PLN
36A MS OXFORD	DTVPLN	DTVP1335	PLN

After Analysis

Results for: 35A MS COLUMBUS DTVPLN DTVP1299 PLN

HAAT 610.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	759163	46550.5
not affected by terrain losses	756371	46020.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	28795	1559.2
lost to ATV IX only	28795	1559.2
lost to all IX	28795	1559.2

Potential Interfering Stations Included in above Scenario 4

35A GA COLUMBUS	BLCDDT	20060627ABT	LIC
36A AL BIRMINGHAM	DTVPLN	DTVP1312	PLN
36A MS OXFORD	DTVPLN	DTVP1335	PLN
34A MS SENATOBIA	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 15

Scenario 5 Affected station 12

Before Analysis

Results for: 35A MS COLUMBUS DTVPLN DTVP1299 PLN

Figure 3

HAAT 610.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	759163	46550.5
not affected by terrain losses	756371	46020.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	28795	1559.2
lost to ATV IX only	28795	1559.2
lost to all IX	28795	1559.2

Potential Interfering Stations Included in above Scenario 5

35A GA COLUMBUS	DTVPLN	DTVP1287	PLN
36A AL BIRMINGHAM	BLCDDT	20060406AAJ	LIC
36A MS OXFORD	BPEDT	20000110AAB	CP

After Analysis

Results for: 35A MS COLUMBUS DTVPLN DTVP1299 PLN

HAAT 610.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	759163	46550.5
not affected by terrain losses	756371	46020.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	28795	1559.2
lost to ATV IX only	28795	1559.2
lost to all IX	28795	1559.2

Potential Interfering Stations Included in above Scenario 5

35A GA COLUMBUS	DTVPLN	DTVP1287	PLN
36A AL BIRMINGHAM	BLCDDT	20060406AAJ	LIC
36A MS OXFORD	BPEDT	20000110AAB	CP
34A MS SENATOBIA	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 16

Scenario 6 Affected station 12

Before Analysis

Results for: 35A MS COLUMBUS DTVPLN DTVP1299 PLN

HAAT 610.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	759163	46550.5
not affected by terrain losses	756371	46020.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	28795	1559.2
lost to ATV IX only	28795	1559.2
lost to all IX	28795	1559.2

Potential Interfering Stations Included in above Scenario 6

35A GA COLUMBUS	DTVPLN	DTVP1287	PLN
36A AL BIRMINGHAM	BLCDDT	20060406AAJ	LIC
36A MS OXFORD	DTVPLN	DTVP1335	PLN

After Analysis

Figure 3

Results for: 35A MS COLUMBUS DTVPLN DTVP1299 PLN
 HAAT 610.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	759163	46550.5
not affected by terrain losses	756371	46020.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	28795	1559.2
lost to ATV IX only	28795	1559.2
lost to all IX	28795	1559.2

Potential Interfering Stations Included in above Scenario 6

35A GA COLUMBUS	DTVPLN	DTVP1287	PLN
36A AL BIRMINGHAM	BLCDT	20060406AAJ	LIC
36A MS OXFORD	DTVPLN	DTVP1335	PLN
34A MS SENATOBIA	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 17
 Scenario 7 Affected station 12
 Before Analysis

Results for: 35A MS COLUMBUS DTVPLN DTVP1299 PLN
 HAAT 610.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	759163	46550.5
not affected by terrain losses	756371	46020.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	28795	1559.2
lost to ATV IX only	28795	1559.2
lost to all IX	28795	1559.2

Potential Interfering Stations Included in above Scenario 7

35A GA COLUMBUS	DTVPLN	DTVP1287	PLN
36A AL BIRMINGHAM	DTVPLN	DTVP1312	PLN
36A MS OXFORD	BPEDT	20000110AAB	CP

After Analysis

Results for: 35A MS COLUMBUS DTVPLN DTVP1299 PLN
 HAAT 610.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	759163	46550.5
not affected by terrain losses	756371	46020.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	28795	1559.2
lost to ATV IX only	28795	1559.2
lost to all IX	28795	1559.2

Potential Interfering Stations Included in above Scenario 7

35A GA COLUMBUS	DTVPLN	DTVP1287	PLN
36A AL BIRMINGHAM	DTVPLN	DTVP1312	PLN
36A MS OXFORD	BPEDT	20000110AAB	CP

Figure 3

34A MS SENATOBIA USERRECORD01 APP

Percent new IX = 0.0000%

Result key: 18
 Scenario 8 Affected station 12
 Before Analysis

Results for: 35A MS COLUMBUS DTVPLN DTVP1299 PLN
 HAAT 610.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	759163	46550.5
not affected by terrain losses	756371	46020.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	28795	1559.2
lost to ATV IX only	28795	1559.2
lost to all IX	28795	1559.2

Potential Interfering Stations Included in above Scenario 8

35A GA COLUMBUS	DTVPLN	DTVP1287	PLN
36A AL BIRMINGHAM	DTVPLN	DTVP1312	PLN
36A MS OXFORD	DTVPLN	DTVP1335	PLN

After Analysis

Results for: 35A MS COLUMBUS DTVPLN DTVP1299 PLN
 HAAT 610.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	759163	46550.5
not affected by terrain losses	756371	46020.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	28795	1559.2
lost to ATV IX only	28795	1559.2
lost to all IX	28795	1559.2

Potential Interfering Stations Included in above Scenario 8

35A GA COLUMBUS	DTVPLN	DTVP1287	PLN
36A AL BIRMINGHAM	DTVPLN	DTVP1312	PLN
36A MS OXFORD	DTVPLN	DTVP1335	PLN
34A MS SENATOBIA	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application Ref. No.
42	W42BY	MEMPHIS TN	BLTTL -19980629JE

Figure 3

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
39	WJKT	JACKSON TN	112.0	PLN	DTVPLN -DTVP1417
39	WJKT	JACKSON TN	112.0	LIC	BLCDT -20050323AER
41	WBUY-TV	HOLLY SPRINGS MS	37.4	CP	BPCDT -20080307ACA
41	WBUY-TV	HOLLY SPRINGS MS	37.4	PLN	DTVPLN -DTVP1477
41	WBUY-TV	HOLLY SPRINGS MS	37.4	LIC	BLCDT -20060320AEN
42	WIAT	BIRMINGHAM AL	350.5	LIC	BLCT -19961001UP
42	KWBF	LITTLE ROCK AR	225.8	LIC	BLCT -19980415KE
42	WKMA-TV	MADISONVILLE KY	321.9	LIC	BLEDT -20020304ALF
42	WKMA-TV	MADISONVILLE KY	321.9	PLN	DTVPLN -DTVP1504
42	960920IZ	NASHVILLE TN	308.1	APP	BPET -19960920IZ
56	961118KJ	MEMPHIS TN	22.9	APP	BPET -19961118KJ
56	961211KE	MEMPHIS TN	22.9	APP	BPET -19961211KE
56	961211KK	MEMPHIS TN	38.1	APP	BPET -19961211KK
56	970331LE	MEMPHIS TN	38.1	APP	BPET -19970331LE
34	961001KI	SENATOBIA MS	22.7	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 14

Analysis of current record

Channel	Call	City/State	Application Ref. No.
34	961001KI	SENATOBIA MS	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
34	KPBI	EUREKA SPRINGS AR	396.0	CP	BPCDT -20080328ABW
34	KPBI	EUREKA SPRINGS AR	398.8	PLN	DTVPLN -DTVP1238
34	WSIL-TV	HARRISBURG IL	280.3	CP	BPCDT -19991019ABM
34	WSIL-TV	HARRISBURG IL	280.3	PLN	DTVPLN -DTVP1251
34	WSIL-TV	HARRISBURG IL	280.3	APP	BMPCDT -20080317AEU
34	WRBJ	MAGEE MS	344.1	PLN	DTVPLN -DTVP1258
34	WRBJ	MAGEE MS	344.1	CP	BPCDT -20080317AIP
35	WCBI-TV	COLUMBUS MS	183.5	LIC	BLCDT -20020822ABO
35	WCBI-TV	COLUMBUS MS	183.5	PLN	DTVPLN -DTVP1299

Total scenarios = 3

Result key: 19
 Scenario 1 Affected station 14
 Before Analysis

Results for: 34A MS SENATOBIA USERRECORD01 APP

HAAT	234.0 m, ATV ERP 1000.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	1370438	22273.5	
not affected by terrain losses	1370009	22201.5	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	973	84.0	

Figure 3

lost to ATV IX only	973	84.0
lost to all IX	973	84.0

Potential Interfering Stations Included in above Scenario 1

34A IL HARRISBURG BPCDT 19991019ABM CP

Result key: 20
 Scenario 2 Affected station 14
 Before Analysis

Results for: 34A MS SENATOBIA USERRECORD01 APP

HAAT	234.0 m, ATV ERP 1000.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	1370438	22273.5	
not affected by terrain losses	1370009	22201.5	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	973	84.0	
lost to ATV IX only	973	84.0	
lost to all IX	973	84.0	

Potential Interfering Stations Included in above Scenario 2

34A IL HARRISBURG DTVPLN DTVP1251 PLN

Result key: 21
 Scenario 3 Affected station 14
 Before Analysis

Results for: 34A MS SENATOBIA USERRECORD01 APP

HAAT	234.0 m, ATV ERP 1000.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	1370438	22273.5	
not affected by terrain losses	1370009	22201.5	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	910	72.0	
lost to ATV IX only	910	72.0	
lost to all IX	910	72.0	

Potential Interfering Stations Included in above Scenario 3

34A IL HARRISBURG BMPCDT 20080317AEU APP

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

APPENDIX

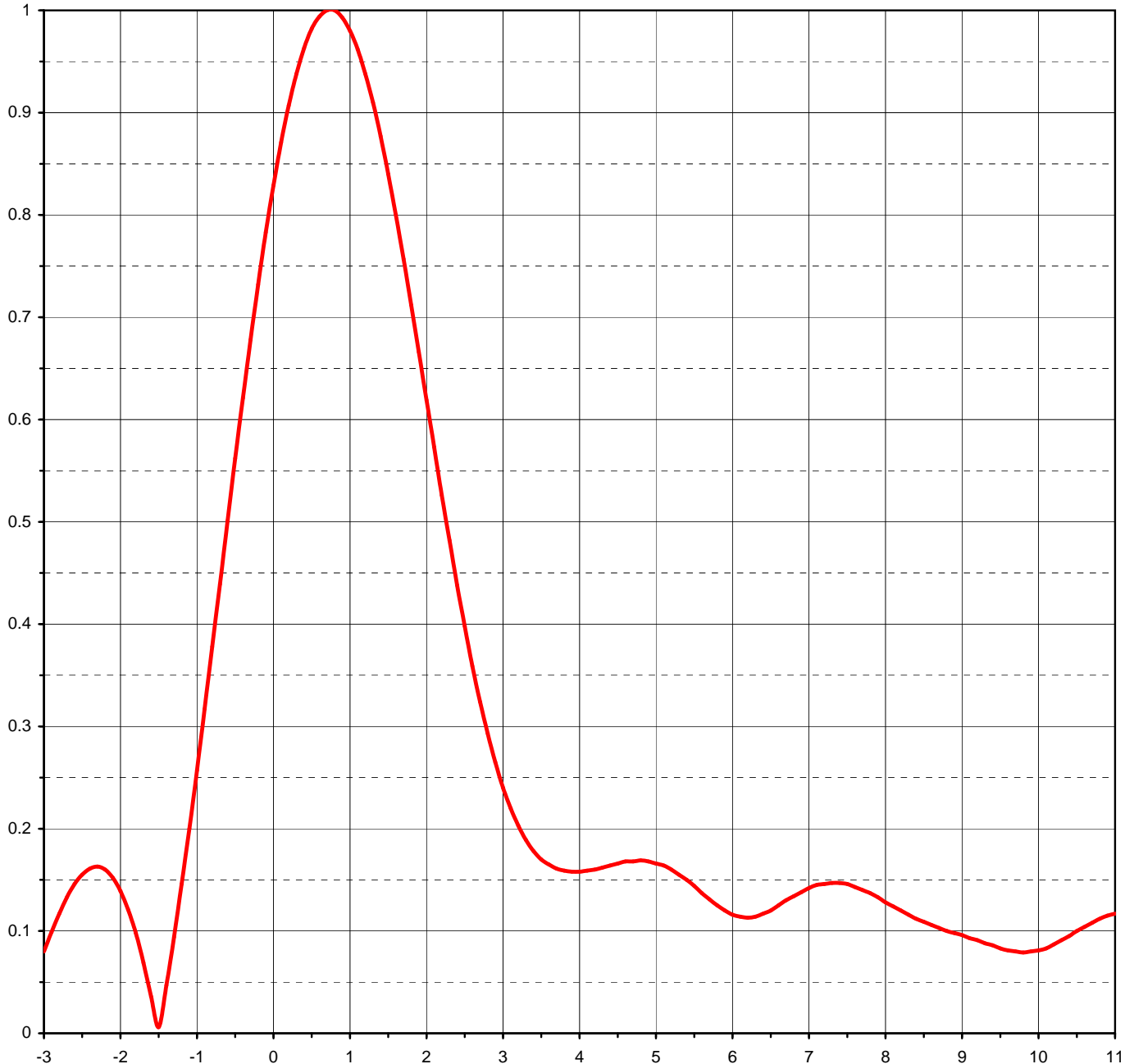
TRANSMITTING ANTENNA VERTICAL AND HORIZONTAL PLANE PATTERN



Proposal Number	C-02689	
Date	4-Jun-08	
Call Letters		Channel 34
Location	Senatobia, MS	
Customer		
Antenna Type	TFU-28DSC/VP-R T150	

ELEVATION PATTERN

RMS Gain at Main Lobe	24.00 (13.80 dB)	Beam Tilt	0.75 deg
RMS Gain at Horizontal	16.50 (12.17 dB)	Frequency	593.00 MHz
Calculated / Measured	Calculated	Drawing #	28Q240075



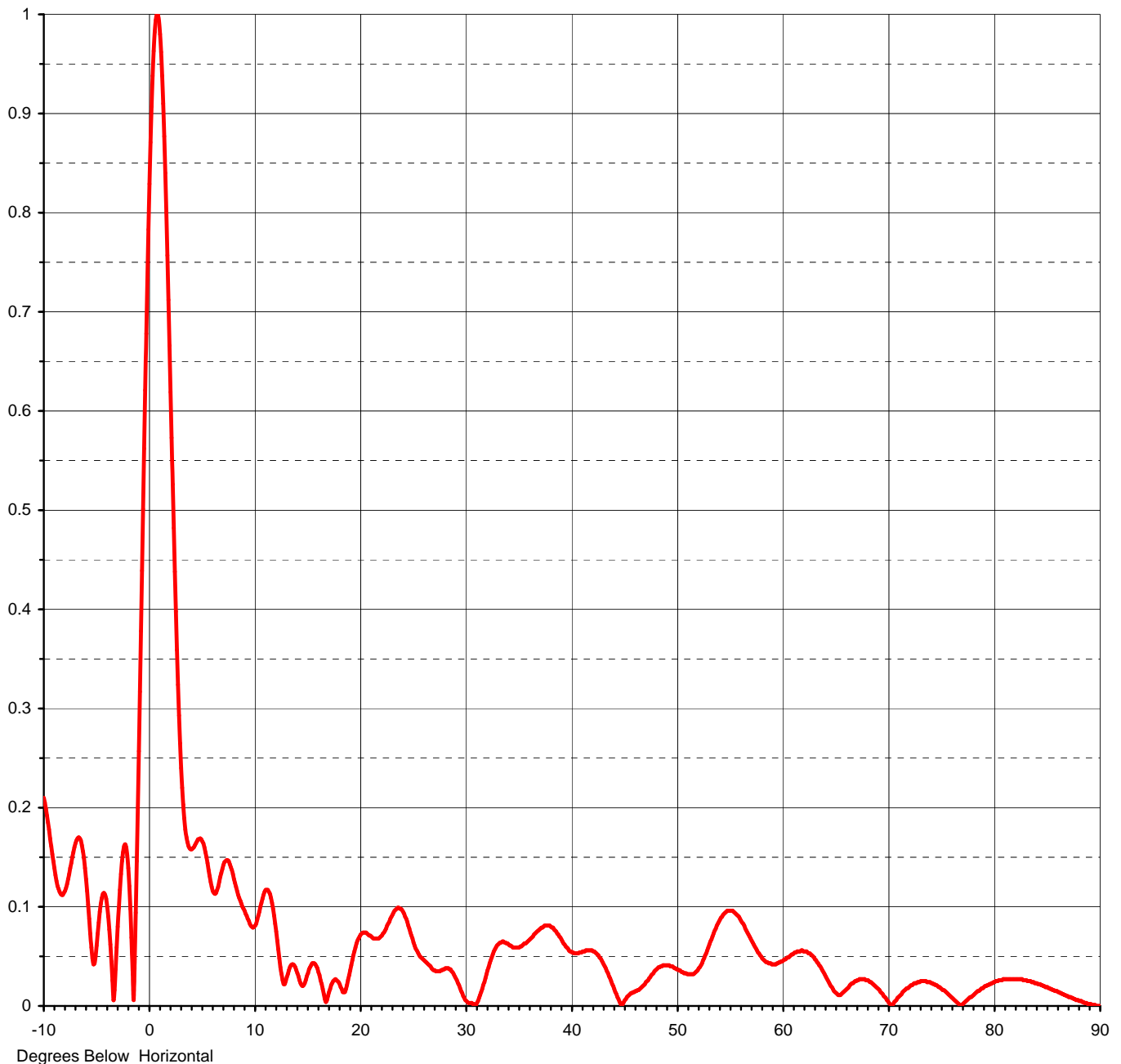
Degrees Below Horizontal



Proposal Number	C-02689	Channel	34
Date	4-Jun-08		
Call Letters			
Location	Senatobia, MS		
Customer			
Antenna Type	TFU-28DSC/VP-R T150		

ELEVATION PATTERN

RMS Gain at Main Lobe	24.00 (13.80 dB)	Beam Tilt	0.75 deg
RMS Gain at Horizontal	16.50 (12.17 dB)	Frequency	593.00 MHz
Calculated / Measured	Calculated	Drawing #	28Q240075-90





Proposal Number **C-02689**
Date **4-Jun-08**
Call Letters Channel **34**
Location **Senatobia, MS**
Customer
Antenna Type **TFU-28DSC/VP-R T150**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **28Q240075-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.210	2.4	0.438	10.6	0.100	30.5	0.003	51.0	0.032	71.5	0.016
-9.5	0.178	2.6	0.359	10.8	0.108	31.0	0.001	51.5	0.032	72.0	0.020
-9.0	0.139	2.8	0.293	11.0	0.115	31.5	0.014	52.0	0.036	72.5	0.023
-8.5	0.115	3.0	0.240	11.5	0.113	32.0	0.032	52.5	0.046	73.0	0.025
-8.0	0.116	3.2	0.203	12.0	0.083	32.5	0.049	53.0	0.059	73.5	0.025
-7.5	0.139	3.4	0.178	12.5	0.039	33.0	0.061	53.5	0.073	74.0	0.023
-7.0	0.164	3.6	0.165	13.0	0.025	33.5	0.065	54.0	0.085	74.5	0.021
-6.5	0.167	3.8	0.159	13.5	0.041	34.0	0.063	54.5	0.093	75.0	0.017
-6.0	0.128	4.0	0.158	14.0	0.036	34.5	0.059	55.0	0.096	75.5	0.013
-5.5	0.059	4.2	0.160	14.5	0.021	35.0	0.059	55.5	0.094	76.0	0.008
-5.0	0.061	4.4	0.164	15.0	0.030	35.5	0.062	56.0	0.088	76.5	0.003
-4.5	0.109	4.6	0.168	15.5	0.043	36.0	0.066	56.5	0.078	77.0	0.002
-4.0	0.100	4.8	0.169	16.0	0.038	36.5	0.072	57.0	0.068	77.5	0.007
-3.5	0.026	5.0	0.166	16.5	0.017	37.0	0.077	57.5	0.058	78.0	0.011
-3.0	0.080	5.2	0.160	17.0	0.010	37.5	0.081	58.0	0.050	78.5	0.015
-2.8	0.117	5.4	0.150	17.5	0.025	38.0	0.081	58.5	0.044	79.0	0.019
-2.6	0.146	5.6	0.137	18.0	0.024	38.5	0.076	59.0	0.042	79.5	0.022
-2.4	0.161	5.8	0.125	18.5	0.014	39.0	0.069	59.5	0.043	80.0	0.024
-2.2	0.160	6.0	0.116	19.0	0.031	39.5	0.060	60.0	0.045	80.5	0.026
-2.0	0.139	6.2	0.113	19.5	0.055	40.0	0.055	60.5	0.049	81.0	0.027
-1.8	0.098	6.4	0.117	20.0	0.070	40.5	0.053	61.0	0.052	81.5	0.027
-1.6	0.036	6.6	0.125	20.5	0.074	41.0	0.054	61.5	0.055	82.0	0.027
-1.4	0.047	6.8	0.134	21.0	0.071	41.5	0.056	62.0	0.055	82.5	0.027
-1.2	0.146	7.0	0.142	21.5	0.068	42.0	0.056	62.5	0.053	83.0	0.026
-1.0	0.257	7.2	0.146	22.0	0.070	42.5	0.052	63.0	0.049	83.5	0.024
-0.8	0.378	7.4	0.147	22.5	0.078	43.0	0.044	63.5	0.041	84.0	0.023
-0.6	0.501	7.6	0.143	23.0	0.090	43.5	0.033	64.0	0.032	84.5	0.021
-0.4	0.621	7.8	0.137	23.5	0.098	44.0	0.020	64.5	0.020	85.0	0.019
-0.2	0.732	8.0	0.128	24.0	0.097	44.5	0.007	65.0	0.013	85.5	0.016
0.0	0.829	8.2	0.120	24.5	0.085	45.0	0.004	65.5	0.012	86.0	0.014
0.2	0.907	8.4	0.112	25.0	0.068	45.5	0.011	66.0	0.017	86.5	0.012
0.4	0.963	8.6	0.106	25.5	0.054	46.0	0.014	66.5	0.023	87.0	0.009
0.6	0.994	8.8	0.100	26.0	0.047	46.5	0.017	67.0	0.026	87.5	0.007
0.8	1.000	9.0	0.096	26.5	0.042	47.0	0.022	67.5	0.027	88.0	0.005
1.0	0.980	9.2	0.091	27.0	0.036	47.5	0.029	68.0	0.026	88.5	0.003
1.2	0.938	9.4	0.086	27.5	0.035	48.0	0.036	68.5	0.022	89.0	0.002
1.4	0.877	9.6	0.081	28.0	0.037	48.5	0.040	69.0	0.017	89.5	0.001
1.6	0.800	9.8	0.080	28.5	0.037	49.0	0.041	69.5	0.010	90.0	0.000
1.8	0.712	10.0	0.080	29.0	0.030	49.5	0.040	70.0	0.003		
2.0	0.619	10.2	0.083	29.5	0.018	50.0	0.037	70.5	0.004		
2.2	0.526	10.4	0.091	30.0	0.006	50.5	0.034	71.0	0.010		

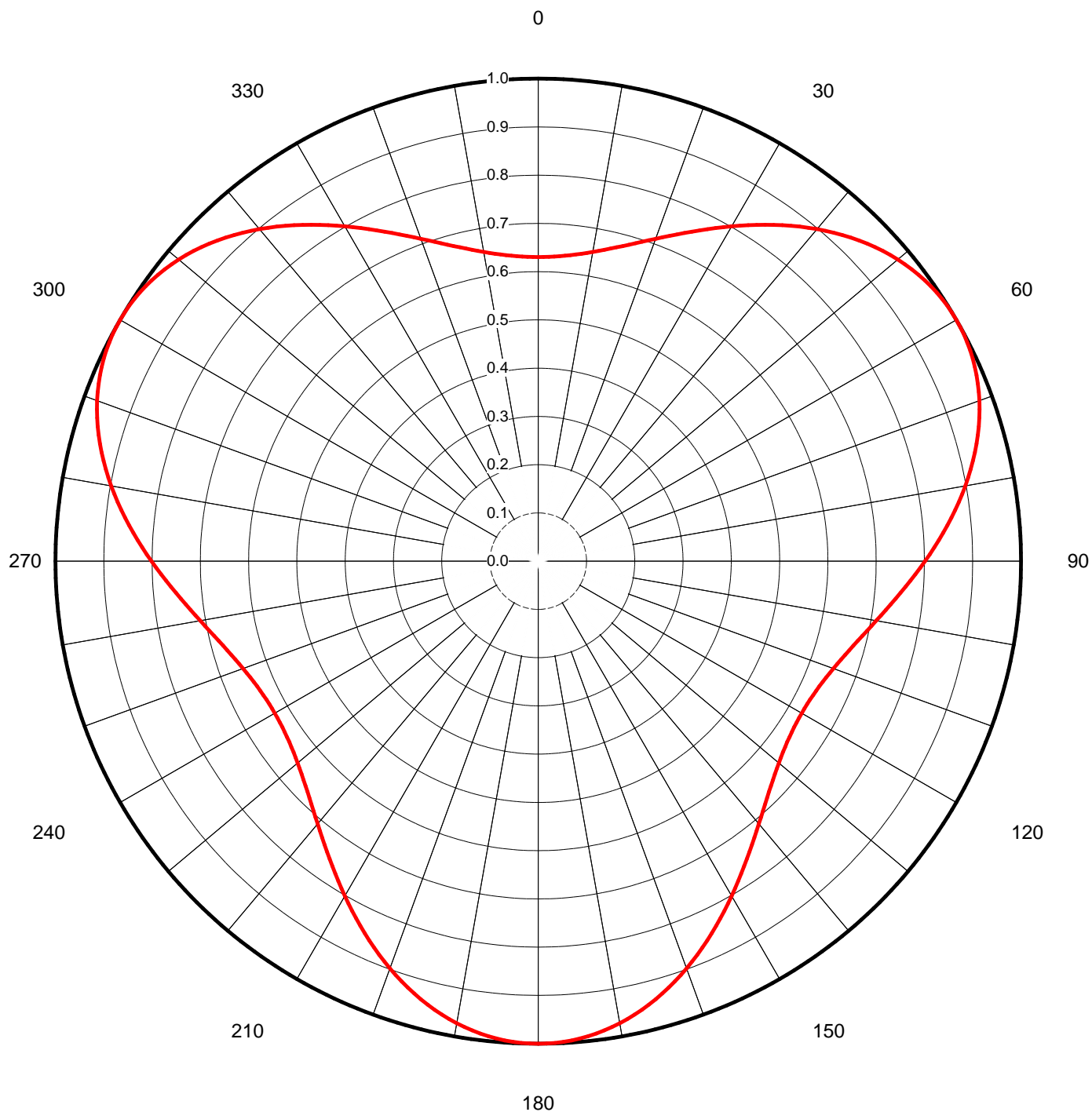
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Proposal Number	C-02689	
Date	4-Jun-08	
Call Letters		Channel 34
Location	Senatobia, MS	
Customer		
Antenna Type	TFU-28DSC/VP-R T150	

AZIMUTH PATTERN

Gain	1.50	(1.76 dB)
Calculated / Measured		Calculated

Frequency	593.00 MHz
Drawing #	TFU-T150-HP





Proposal Number

C-02689

Date

4-Jun-08

Call Letters

Channel

34

Location

Senatobia, MS

Customer

Antenna Type

TFU-28DSC/VP-R T150**TABULATION OF AZIMUTH PATTERN**Azimuth Pattern Drawing #: **TFU-T150-HP**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	0.630	45	0.940	90	0.801	135	0.676	180	1.000	225	0.676	270	0.801	315	0.940
1	0.630	46	0.947	91	0.791	136	0.682	181	1.000	226	0.670	271	0.811	316	0.932
2	0.631	47	0.954	92	0.782	137	0.689	182	0.999	227	0.665	272	0.821	317	0.924
3	0.632	48	0.961	93	0.772	138	0.696	183	0.997	228	0.660	273	0.831	318	0.916
4	0.633	49	0.967	94	0.763	139	0.703	184	0.995	229	0.655	274	0.841	319	0.907
5	0.635	50	0.972	95	0.753	140	0.711	185	0.993	230	0.651	275	0.851	320	0.898
6	0.638	51	0.977	96	0.744	141	0.719	186	0.990	231	0.647	276	0.860	321	0.889
7	0.640	52	0.982	97	0.736	142	0.727	187	0.986	232	0.643	277	0.870	322	0.880
8	0.643	53	0.986	98	0.727	143	0.736	188	0.982	233	0.640	278	0.880	323	0.870
9	0.647	54	0.990	99	0.719	144	0.744	189	0.977	234	0.638	279	0.889	324	0.860
10	0.651	55	0.993	100	0.711	145	0.753	190	0.972	235	0.635	280	0.898	325	0.851
11	0.655	56	0.995	101	0.703	146	0.763	191	0.967	236	0.633	281	0.907	326	0.841
12	0.660	57	0.997	102	0.696	147	0.772	192	0.961	237	0.632	282	0.916	327	0.831
13	0.665	58	0.999	103	0.689	148	0.782	193	0.954	238	0.631	283	0.924	328	0.821
14	0.670	59	1.000	104	0.682	149	0.791	194	0.947	239	0.630	284	0.932	329	0.811
15	0.676	60	1.000	105	0.676	150	0.801	195	0.940	240	0.630	285	0.940	330	0.801
16	0.682	61	1.000	106	0.670	151	0.811	196	0.932	241	0.630	286	0.947	331	0.791
17	0.689	62	0.999	107	0.665	152	0.821	197	0.924	242	0.631	287	0.954	332	0.782
18	0.696	63	0.997	108	0.660	153	0.831	198	0.916	243	0.632	288	0.961	333	0.772
19	0.703	64	0.995	109	0.655	154	0.841	199	0.907	244	0.633	289	0.967	334	0.763
20	0.711	65	0.993	110	0.651	155	0.851	200	0.898	245	0.635	290	0.972	335	0.753
21	0.719	66	0.990	111	0.647	156	0.860	201	0.889	246	0.638	291	0.977	336	0.744
22	0.727	67	0.986	112	0.643	157	0.870	202	0.880	247	0.640	292	0.982	337	0.736
23	0.736	68	0.982	113	0.640	158	0.880	203	0.870	248	0.643	293	0.986	338	0.727
24	0.744	69	0.977	114	0.638	159	0.889	204	0.860	249	0.647	294	0.990	339	0.719
25	0.753	70	0.972	115	0.635	160	0.898	205	0.851	250	0.651	295	0.993	340	0.711
26	0.763	71	0.967	116	0.633	161	0.907	206	0.841	251	0.655	296	0.995	341	0.703
27	0.772	72	0.961	117	0.632	162	0.916	207	0.831	252	0.660	297	0.997	342	0.696
28	0.782	73	0.954	118	0.631	163	0.924	208	0.821	253	0.665	298	0.999	343	0.689
29	0.791	74	0.947	119	0.630	164	0.932	209	0.811	254	0.670	299	1.000	344	0.682
30	0.801	75	0.940	120	0.630	165	0.940	210	0.801	255	0.676	300	1.000	345	0.676
31	0.811	76	0.932	121	0.630	166	0.947	211	0.791	256	0.682	301	1.000	346	0.670
32	0.821	77	0.924	122	0.631	167	0.954	212	0.782	257	0.689	302	0.999	347	0.665
33	0.831	78	0.916	123	0.632	168	0.961	213	0.772	258	0.696	303	0.997	348	0.660
34	0.841	79	0.907	124	0.633	169	0.967	214	0.763	259	0.703	304	0.995	349	0.655
35	0.851	80	0.898	125	0.635	170	0.972	215	0.753	260	0.711	305	0.993	350	0.651
36	0.860	81	0.889	126	0.638	171	0.977	216	0.744	261	0.719	306	0.990	351	0.647
37	0.870	82	0.880	127	0.640	172	0.982	217	0.736	262	0.727	307	0.986	352	0.643
38	0.880	83	0.870	128	0.643	173	0.986	218	0.727	263	0.736	308	0.982	353	0.640
39	0.889	84	0.860	129	0.647	174	0.990	219	0.719	264	0.744	309	0.977	354	0.638
40	0.898	85	0.851	130	0.651	175	0.993	220	0.711	265	0.753	310	0.972	355	0.635
41	0.907	86	0.841	131	0.655	176	0.995	221	0.703	266	0.763	311	0.967	356	0.633
42	0.916	87	0.831	132	0.660	177	0.997	222	0.696	267	0.772	312	0.961	357	0.632
43	0.924	88	0.821	133	0.665	178	0.999	223	0.689	268	0.782	313	0.954	358	0.631
44	0.932	89	0.811	134	0.670	179	1.000	224	0.682	269	0.791	314	0.947	359	0.630

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