

TECHNICAL EXHIBIT  
APPLICATION FOR CONSTRUCTION PERMIT  
TELEVISION STATION WNOL-DT  
NEW ORLEANS, LOUISIANA

February 4, 2008

CHANNEL 15 775 KW (MAX-DA) 286 M

TECHNICAL EXHIBIT  
APPLICATION FOR CONSTRUCTION PERMIT  
TELEVISION STATION WNOL-DT  
NEW ORLEANS, LOUISIANA  
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NEW ORLEANS, LOUISIANA  
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Technical Statement

This Technical Statement was prepared on behalf of WNOL-DT, New Orleans, Louisiana in support of an application for a construction permit authorizing both pre- and post-transition operations on its post-transition Channel 15. The instant application will allow WNOL-DT to return to the air from its new transmitter site after the destruction of its transmission facilities, including the digital facilities on its pre-transition channel 40, by Hurricane Katrina in August 2005.<sup>\*</sup> This request is being filed under the FCC provision for 'Early Digital Operation on Post-Transition Channel' adopted in the FCC's *Report and Order* in the Third Periodic Review of Digital Television.<sup>†</sup>

WNOL-DT's proposed pre-transition operation on its post-transition channel 15 is possible because the pre-transition authorization to operate on channel 15 is held by WGNO-DT which, like WNOL-DT, is ultimately owned by Tribune. WGNO-DT's transmission facilities were also destroyed by Hurricane Katrina and its digital facilities remain off-the-air.<sup>‡</sup>

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<sup>\*</sup> 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 No. 87-269, Released: August 6, 2007, FCC 07-138 at 156.

<sup>†</sup> See *Report and Order*, In the Matter of Third Periodic Review of the Commission's Rules and Policies Affecting the Conversion to Digital Television, MB Docket No. 07-91, Released: December 31, 2007, FCC 07-228 at 121.

The pre and post-transition operations of WNOL-DT on channel 15 proposed in this application are identical to the post-transition DTV channel 15 facilities proposed by the Commission for WNOL in Appendix G of the *Eighth Further Notice of Proposed Rules Making* in MB Docket No. 87-268, released on August 6, 2007.<sup>§</sup> The proposed pre-transition channel 15 facility will not cause impermissible interference to another station and will provide DTV service to 1,728,390 based on an analysis under Office of Engineering and Technology Bulletin No. 69 ('OET-69') using 2000 Census population data.<sup>\*\*</sup> This is over 300,000 greater than the service population of the WNOL-TV licensed analog facility of 1,424,684, based on OET-69 using 2000 Census data.<sup>††</sup> The actual service population gain is even larger because WNOL-TV has been forced to operate a lower-powered STA facility since Hurricane Katrina.<sup>‡‡</sup>

The WNOL-DT facility transmitter site is to be shared with the analog and digital facilities of WDSU(TV)/-DT. A master antenna has been installed that will be employed by the digital television operations of WNOL-DT and WDSU-DT (Channel 43) and the post-transition operations of WNOL-DT, WGNO-DT (Channel 26) and WDSU-DT.

The proposed tower site was assigned FCC Antenna Structure Registration No. 1020862. Figure 1 is a summary of the Technical Specifications for the proposed facility. Figure 2 is a map depicting the predicted coverage contours for the proposed WNOL-DT facility. As shown in Figure 2, the predicted 48 dBu, f(50,90) contour fully encompasses the city limits of New Orleans, as required. The attached

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<sup>†</sup> See FCC File No. BLESTA-20061222ACK.

<sup>§</sup> *Id.* at 155-156 and Appendix G.

<sup>\*\*</sup> The service population is the total population within the predicted f(50,90) 41 dBu, dipole-adjusted, noise-limited contour, considering losses due to terrain and interference.

<sup>††</sup> The service population is the total population within the predicted f(50,50) Grade B (64 dBu), dipole-adjusted contour, considering losses due to terrain and interference.

<sup>‡‡</sup> See FCC File No. BESTA-20061222ACO; FCC File No. BESTA-20070820ABZ (pending STA extension request).

Appendix 1 contains the antenna manufacturer's pattern data for the proposed WNOL-DT antenna.

An interference analysis was conducted for the proposed WNOL-DT facility under the OET-69 methodology using 2000 Census data. The results of the analysis are included herein at Appendix 2. Based on the analysis, the proposed facility will meet the FCC's 2%/10% de minimis interference criteria with respect to all full service analog or digital facilities. There is interference exceeding the normal FCC de minimis criteria with respect to two Class A stations: WBXN-CA (Channel 18) and WTNO-LP (Channel 22). These Class A stations are on UHF 'taboo' related channels and the interference predicted to these Class A facilities is anomalous due to a feature of the FCC OET-69 processing software that results in predicted interference at locations within 1 km of the proposed transmitter site. The details of this anomaly are fully detailed in the attached Appendix 3, which is a statement concerning this matter filed in FCC MB Docket No. 07-91. The affected Class A stations, WBXN-CA and WTNO-LP, have both consented to the post-transition operation of Channel 15 as proposed herein with 775 kW maximum ERP.

There are other broadcast and non-broadcast facilities to be located in proximity to the proposed facility. No adverse electromagnetic impact is expected with respect to these facilities. However, the applicant recognizes its responsibility to correct objectionable electromagnetic interference problems that result from its proposed operation.

With respect to the potential for human exposure to radio frequency (RF) radiation, calculations prepared in accordance with FCC Bulletin OET-65 (Edition 97-01) indicate that the proposal will not result in human exposure to RF radiation at ground level in excess of FCC standards. Power density calculations were conducted at

2-m above ground based on the following conservative assumptions, with the following results:

Call Sign	Channel	Average ERP (kW)	Distance (m)	Relative Field Factor <sup>§§</sup>	FCC Limit <sup>***</sup> (mW/cm <sup>2</sup> )	Percentage of Limit
WNOL-DT	15	775	283	0.15	0.319	2.3%

As indicated above, the exposure to RF radiation at 2-m above ground level will not exceed 2.3% of the FCC limit for general population / uncontrolled exposure. Therefore, the proposal complies with the FCC limits for human exposure to RF radiation and it is categorically excluded from environmental processing. The applicant shall reduce power or cease operation as necessary to protect persons having access to the tower or antenna from radio frequency radiation in excess of the FCC guidelines.



Louis Robert du Treil, Jr.

du Treil, Lundin & Rackley, Inc.  
201 Fletcher Ave.  
Sarasota, FL 34237-6019

February 4, 2008

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<sup>§§</sup> This is a conservative estimate of the elevation pattern relative field toward the ground. See Appendix 1.

<sup>\*\*\*</sup> for general population/uncontrolled environments

Figure 1

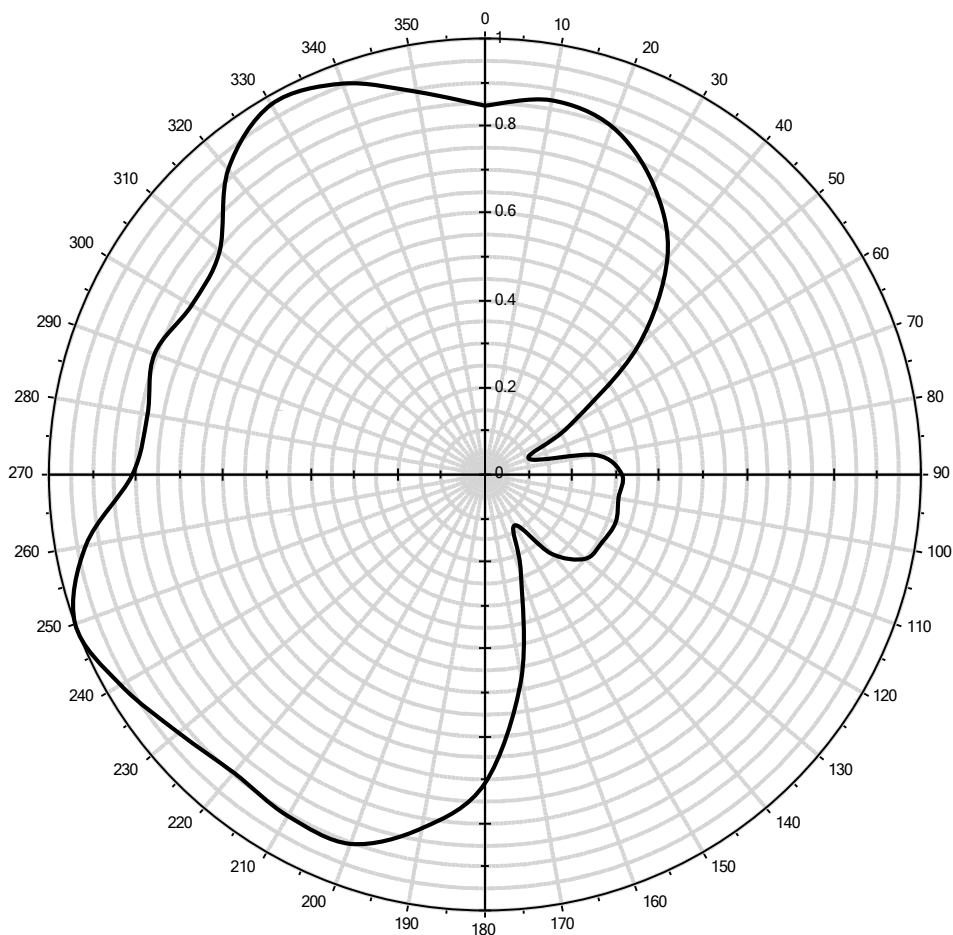
# DA Inquiry

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



**Antenna Pattern:** Antenna ID: 150001

**PROPOSED WNOL-DT**  
**CHANNEL 15**  
**ERP = 775 KW (MAX)**  
**RCAMSL - 287 M**  
**29-56-59 NL**  
**89-57-28 WL**  
**ASRN 1020862**



**Note:** display reflects rotation of 0.00°

## Antenna Details:

0°	0.846	60°	0.222	120°	0.310	180°	0.708	240°	0.965	300°	0.777
10°	0.872	70°	0.107	130°	0.300	190°	0.823	250°	1.000	310°	0.795
20°	0.850	80°	0.259	140°	0.237	200°	0.901	260°	0.929	320°	0.915
30°	0.770	90°	0.314	150°	0.135	210°	0.904	270°	0.809	330°	0.980
40°	0.651	100°	0.311	160°	0.241	220°	0.894	280°	0.786	340°	0.954
50°	0.457	110°	0.319	170°	0.477	230°	0.919	290°	0.807	350°	0.891

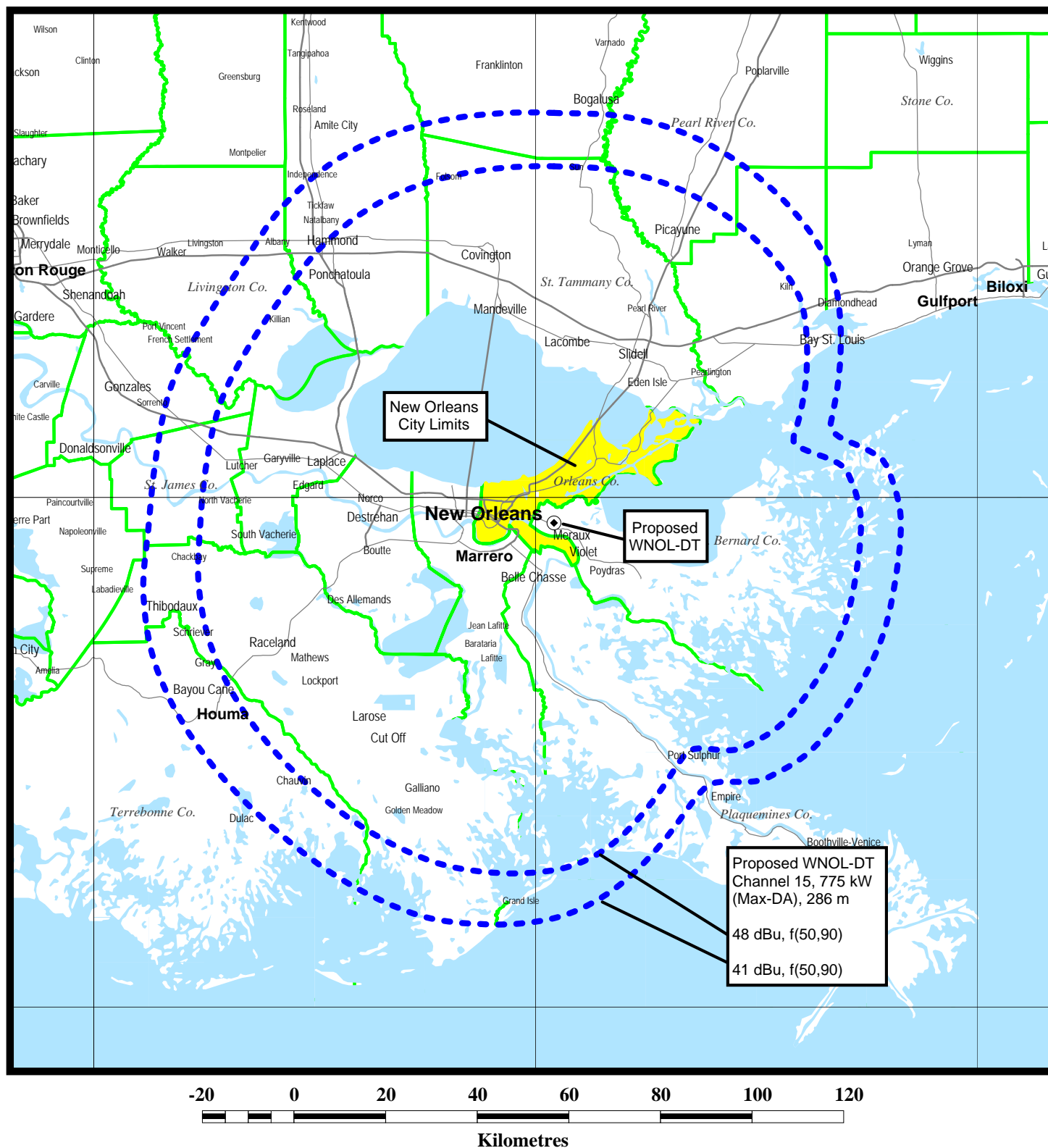
**Antenna Make:** DIE

**Standard Pattern:**

**Antenna Model:** TUF-C4SP-10/40U-1-T

**Last Change Date:**

Figure 2



## PREDICTED COVERAGE CONTOURS

duTreil, Lundin & Rackley, Inc. Sarasota, Florida



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Transmitting Antenna  
Manufacturer's Antenna Data

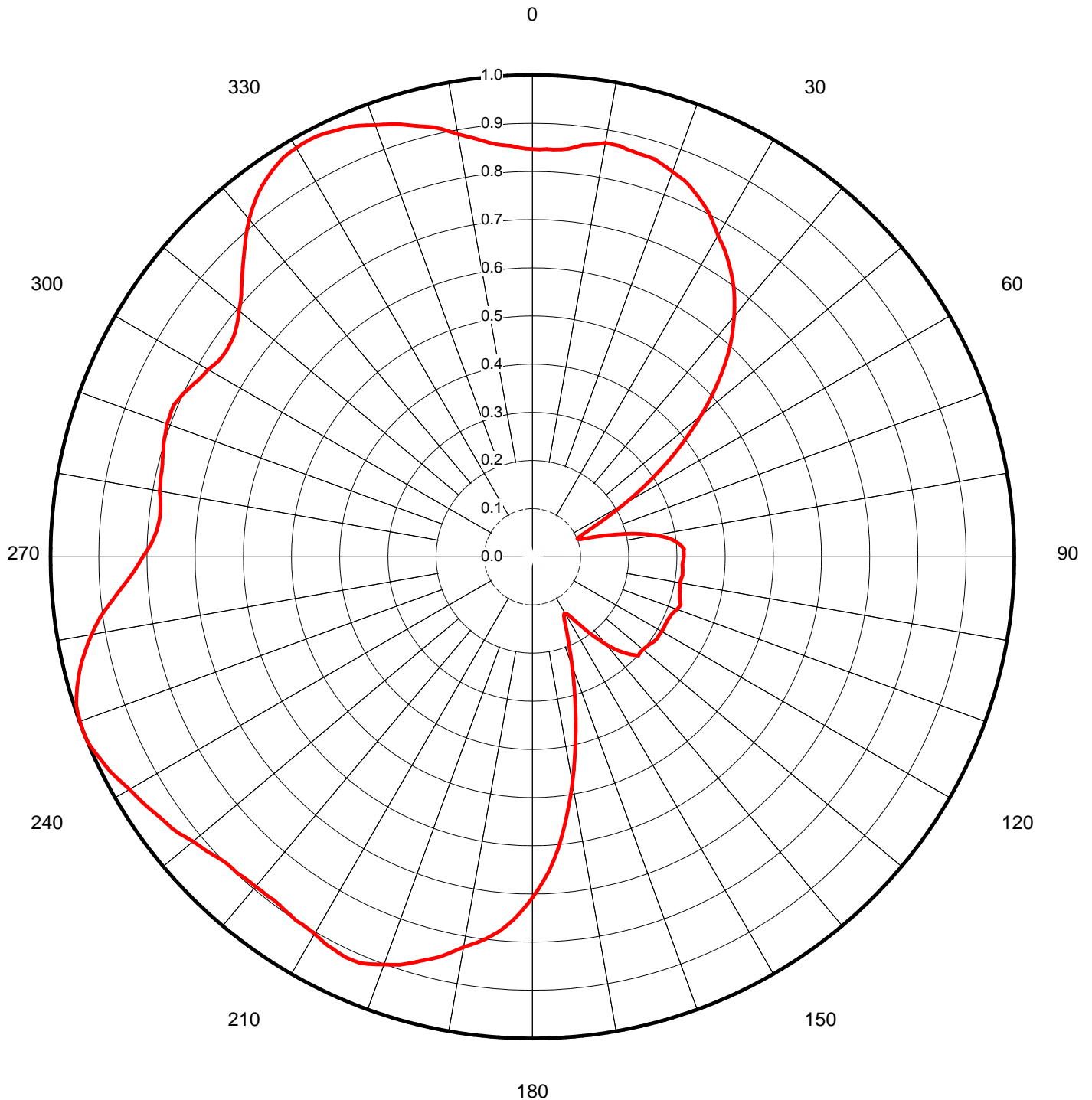
(four pages follow)

Proposal Number	<b>C-00956</b>	Revision:	<b>1</b>
Date	<b>9-May-07</b>		
Call Letters	<b>WGNO</b>	Channel	<b>15</b>
Location	<b>New Orleans, LA</b>		
Customer	<b>Hearst &amp; Tribune</b>		
Antenna Type	<b>TUF-C4SP-10/40U-1-T</b>		

## AZIMUTH PATTERN

Gain **2.00** **(3.01 dB)**  
Calculated / Measured **Calculated**

Frequency **479.00 MHz**  
Drawing # **TUF-C4SP-4790**





Proposal Number **C-00956** Revision: **1**  
Date **9-May-07**  
Call Letters **WGNO** Channel **15**  
Location **New Orleans, LA**  
Customer **Hearst & Tribune**  
Antenna Type **TUF-C4SP-10/40U-1-T**

## TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **10U190050-90**

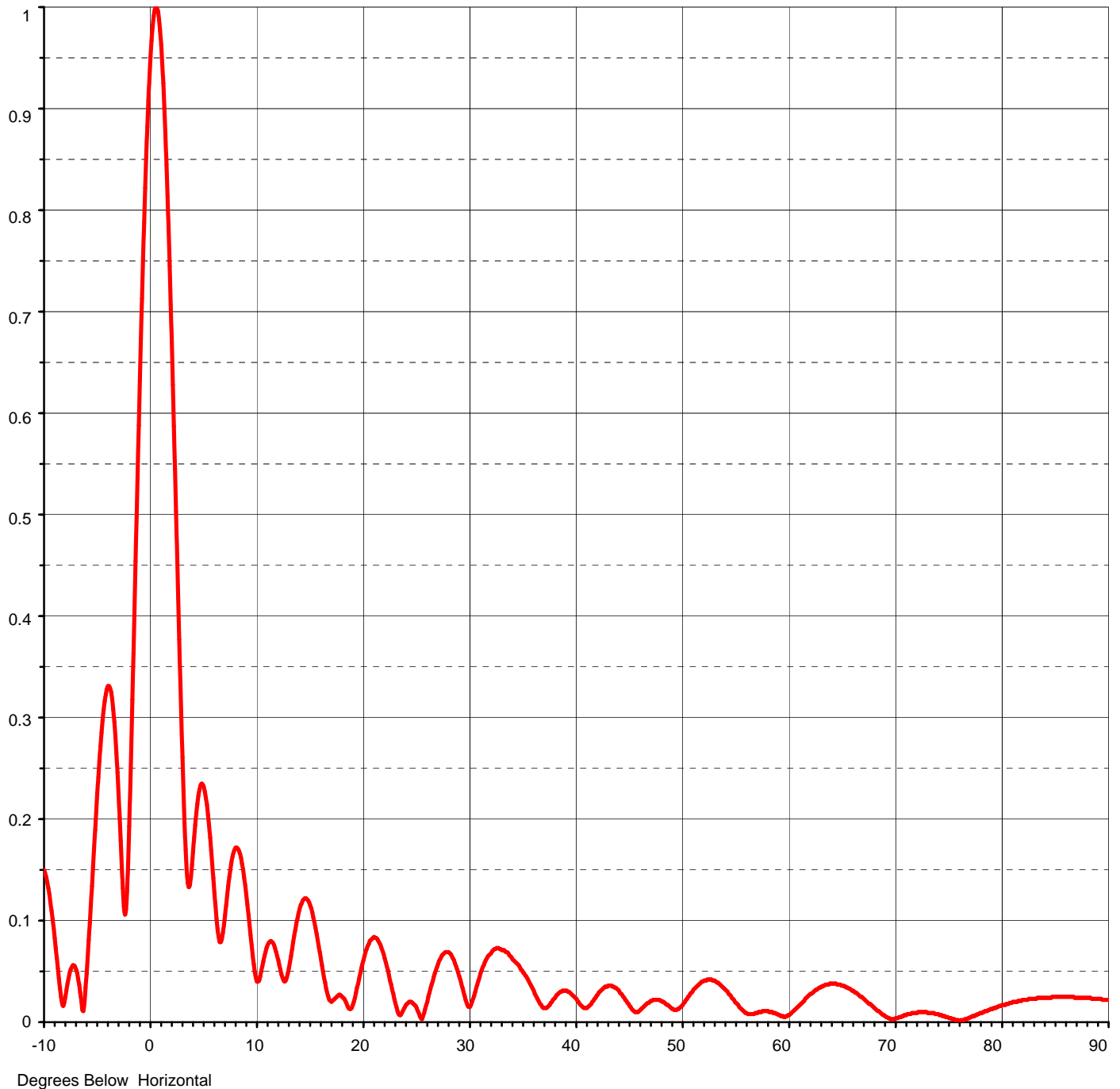
Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.150	2.4	0.503	10.6	0.055	30.5	0.026	51.0	0.030	71.5	0.009
-9.5	0.126	2.6	0.418	10.8	0.065	31.0	0.044	51.5	0.036	72.0	0.009
-9.0	0.083	2.8	0.337	11.0	0.073	31.5	0.059	52.0	0.040	72.5	0.010
-8.5	0.033	3.0	0.261	11.5	0.079	32.0	0.067	52.5	0.042	73.0	0.009
-8.0	0.025	3.2	0.196	12.0	0.065	32.5	0.072	53.0	0.041	73.5	0.009
-7.5	0.052	3.4	0.150	12.5	0.044	33.0	0.072	53.5	0.038	74.0	0.008
-7.0	0.052	3.6	0.133	13.0	0.048	33.5	0.069	54.0	0.033	74.5	0.006
-6.5	0.021	3.8	0.144	13.5	0.079	34.0	0.064	54.5	0.027	75.0	0.004
-6.0	0.048	4.0	0.168	14.0	0.107	34.5	0.058	55.0	0.020	75.5	0.003
-5.5	0.134	4.2	0.194	14.5	0.121	35.0	0.051	55.5	0.014	76.0	0.001
-5.0	0.225	4.4	0.215	15.0	0.118	35.5	0.043	56.0	0.009	76.5	0.003
-4.5	0.297	4.6	0.229	15.5	0.098	36.0	0.033	56.5	0.008	77.0	0.005
-4.0	0.331	4.8	0.235	16.0	0.069	36.5	0.022	57.0	0.009	77.5	0.007
-3.5	0.308	5.0	0.232	16.5	0.039	37.0	0.014	57.5	0.010	78.0	0.009
-3.0	0.225	5.2	0.221	17.0	0.021	37.5	0.016	58.0	0.011	78.5	0.011
-2.8	0.179	5.4	0.204	17.5	0.024	38.0	0.023	58.5	0.010	79.0	0.013
-2.6	0.132	5.6	0.182	18.0	0.026	38.5	0.029	59.0	0.008	79.5	0.015
-2.4	0.106	5.8	0.156	18.5	0.019	39.0	0.031	59.5	0.006	80.0	0.017
-2.2	0.129	6.0	0.128	19.0	0.014	39.5	0.029	60.0	0.007	80.5	0.018
-2.0	0.193	6.2	0.102	19.5	0.034	40.0	0.024	60.5	0.011	81.0	0.020
-1.8	0.274	6.4	0.084	20.0	0.057	40.5	0.017	61.0	0.016	81.5	0.021
-1.6	0.363	6.6	0.079	20.5	0.075	41.0	0.014	61.5	0.021	82.0	0.022
-1.4	0.454	6.8	0.088	21.0	0.083	41.5	0.018	62.0	0.027	82.5	0.023
-1.2	0.544	7.0	0.105	21.5	0.080	42.0	0.026	62.5	0.031	83.0	0.023
-1.0	0.632	7.2	0.125	22.0	0.067	42.5	0.032	63.0	0.034	83.5	0.024
-0.8	0.713	7.4	0.143	22.5	0.046	43.0	0.035	63.5	0.037	84.0	0.024
-0.6	0.788	7.6	0.157	23.0	0.023	43.5	0.035	64.0	0.038	84.5	0.024
-0.4	0.853	7.8	0.167	23.5	0.007	44.0	0.032	64.5	0.037	85.0	0.025
-0.2	0.908	8.0	0.172	24.0	0.015	44.5	0.025	65.0	0.036	85.5	0.025
0.0	0.951	8.2	0.171	24.5	0.020	45.0	0.018	65.5	0.034	86.0	0.025
0.2	0.981	8.4	0.166	25.0	0.016	45.5	0.011	66.0	0.031	86.5	0.025
0.4	0.997	8.6	0.156	25.5	0.004	46.0	0.011	66.5	0.027	87.0	0.024
0.6	0.999	8.8	0.142	26.0	0.017	46.5	0.016	67.0	0.023	87.5	0.024
0.8	0.988	9.0	0.125	26.5	0.037	47.0	0.020	67.5	0.018	88.0	0.024
1.0	0.963	9.2	0.106	27.0	0.054	47.5	0.022	68.0	0.014	88.5	0.023
1.2	0.925	9.4	0.086	27.5	0.066	48.0	0.021	68.5	0.010	89.0	0.023
1.4	0.875	9.6	0.066	28.0	0.069	48.5	0.018	69.0	0.006	89.5	0.022
1.6	0.814	9.8	0.057	28.5	0.063	49.0	0.014	69.5	0.003	90.0	0.022
1.8	0.745	10.0	0.044	29.0	0.049	49.5	0.012	70.0	0.004		
2.0	0.669	10.2	0.040	29.5	0.030	50.0	0.016	70.5	0.005		
2.2	0.587	10.4	0.045	30.0	0.015	50.5	0.023	71.0	0.007		



Proposal Number	<b>C-00956</b>	Revision:	<b>1</b>
Date	<b>9-May-07</b>		
Call Letters	<b>WGNO</b>	Channel	<b>15</b>
Location	<b>New Orleans, LA</b>		
Customer	<b>Hearst &amp; Tribune</b>		
Antenna Type	<b>TUF-C4SP-10/40U-1-T</b>		

## ELEVATION PATTERN

RMS Gain at Main Lobe	<b>19.00 ( 12.79 dB )</b>	Beam Tilt	<b>0.50 deg</b>
RMS Gain at Horizontal	<b>17.20 ( 12.36 dB )</b>	Frequency	<b>479.00 MHz</b>
Calculated / Measured	<b>Calculated</b>	Drawing #	<b>10U190050-90</b>





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 Date **9-May-07**  
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-9.0	0.083	2.8	0.337	11.0	0.073	31.5	0.059	52.0	0.040	72.5	0.010
-8.5	0.033	3.0	0.261	11.5	0.079	32.0	0.067	52.5	0.042	73.0	0.009
-8.0	0.025	3.2	0.196	12.0	0.065	32.5	0.072	53.0	0.041	73.5	0.009
-7.5	0.052	3.4	0.150	12.5	0.044	33.0	0.072	53.5	0.038	74.0	0.008
-7.0	0.052	3.6	0.133	13.0	0.048	33.5	0.069	54.0	0.033	74.5	0.006
-6.5	0.021	3.8	0.144	13.5	0.079	34.0	0.064	54.5	0.027	75.0	0.004
-6.0	0.048	4.0	0.168	14.0	0.107	34.5	0.058	55.0	0.020	75.5	0.003
-5.5	0.134	4.2	0.194	14.5	0.121	35.0	0.051	55.5	0.014	76.0	0.001
-5.0	0.225	4.4	0.215	15.0	0.118	35.5	0.043	56.0	0.009	76.5	0.003
-4.5	0.297	4.6	0.229	15.5	0.098	36.0	0.033	56.5	0.008	77.0	0.005
-4.0	0.331	4.8	0.235	16.0	0.069	36.5	0.022	57.0	0.009	77.5	0.007
-3.5	0.308	5.0	0.232	16.5	0.039	37.0	0.014	57.5	0.010	78.0	0.009
-3.0	0.225	5.2	0.221	17.0	0.021	37.5	0.016	58.0	0.011	78.5	0.011
-2.8	0.179	5.4	0.204	17.5	0.024	38.0	0.023	58.5	0.010	79.0	0.013
-2.6	0.132	5.6	0.182	18.0	0.026	38.5	0.029	59.0	0.008	79.5	0.015
-2.4	0.106	5.8	0.156	18.5	0.019	39.0	0.031	59.5	0.006	80.0	0.017
-2.2	0.129	6.0	0.128	19.0	0.014	39.5	0.029	60.0	0.007	80.5	0.018
-2.0	0.193	6.2	0.102	19.5	0.034	40.0	0.024	60.5	0.011	81.0	0.020
-1.8	0.274	6.4	0.084	20.0	0.057	40.5	0.017	61.0	0.016	81.5	0.021
-1.6	0.363	6.6	0.079	20.5	0.075	41.0	0.014	61.5	0.021	82.0	0.022
-1.4	0.454	6.8	0.088	21.0	0.083	41.5	0.018	62.0	0.027	82.5	0.023
-1.2	0.544	7.0	0.105	21.5	0.080	42.0	0.026	62.5	0.031	83.0	0.023
-1.0	0.632	7.2	0.125	22.0	0.067	42.5	0.032	63.0	0.034	83.5	0.024
-0.8	0.713	7.4	0.143	22.5	0.046	43.0	0.035	63.5	0.037	84.0	0.024
-0.6	0.788	7.6	0.157	23.0	0.023	43.5	0.035	64.0	0.038	84.5	0.024
-0.4	0.853	7.8	0.167	23.5	0.007	44.0	0.032	64.5	0.037	85.0	0.025
-0.2	0.908	8.0	0.172	24.0	0.015	44.5	0.025	65.0	0.036	85.5	0.025
0.0	0.951	8.2	0.171	24.5	0.020	45.0	0.018	65.5	0.034	86.0	0.025
0.2	0.981	8.4	0.166	25.0	0.016	45.5	0.011	66.0	0.031	86.5	0.025
0.4	0.997	8.6	0.156	25.5	0.004	46.0	0.011	66.5	0.027	87.0	0.024
0.6	0.999	8.8	0.142	26.0	0.017	46.5	0.016	67.0	0.023	87.5	0.024
0.8	0.988	9.0	0.125	26.5	0.037	47.0	0.020	67.5	0.018	88.0	0.024
1.0	0.963	9.2	0.106	27.0	0.054	47.5	0.022	68.0	0.014	88.5	0.023
1.2	0.925	9.4	0.086	27.5	0.066	48.0	0.021	68.5	0.010	89.0	0.023
1.4	0.875	9.6	0.066	28.0	0.069	48.5	0.018	69.0	0.006	89.5	0.022
1.6	0.814	9.8	0.057	28.5	0.063	49.0	0.014	69.5	0.003	90.0	0.022
1.8	0.745	10.0	0.044	29.0	0.049	49.5	0.012	70.0	0.004		
2.0	0.669	10.2	0.040	29.5	0.030	50.0	0.016	70.5	0.005		
2.2	0.587	10.4	0.045	30.0	0.015	50.5	0.023	71.0	0.007		

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TELEVISION STATION WNOL-DT  
NEW ORLEANS, LOUISIANA  
CHANNEL 15 775 KW (MAX-DA) 286 M

Interference Analysis Using FCC  
OET Bulletin No. 69 Methodology  
(worst-case scenarios)

(15 pages follow)

## TV INTERFERENCE and SPACING ANALYSIS PROGRAM

## Record Selected for Analysis

WNOLDT15 USERRECORD-01 NEW ORLEANS LA US  
 Channel 15 ERP 775. kW HAAT 286. m RCAMSL 00287 m  
 Latitude 029-56-59 Longitude 0089-57-28  
 Status APP Zone 3 Border  
 Dir Antenna Make usr Model 150001 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	554.680	286.9	89.4
45.0	237.860	287.0	82.5
90.0	76.412	286.8	75.7
135.0	55.871	285.3	73.8
180.0	388.480	285.6	86.0
225.0	636.850	286.9	90.7
270.0	507.223	285.4	88.4
315.0	566.544	286.9	89.6

## Evaluation toward Class A Stations

Station inside contour of Class A station  
 WBXN-CA 18 NEW ORLEANS LA BLTTA 20040525AGO

Station inside contour of Class A station  
 WBXN-CA 18 NEW ORLEANS LA BPTTA 20070404ABX

Station inside contour of Class A station  
 WTNO-LP 22 NEW ORLEANS LA BSTA 20060829BGH

Station inside contour of Class A station  
 WTNO-LP 22 NEW ORLEANS LA BDISTTA 20060630AGU

## Class A Evaluation Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite 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 1.67km from AM station  
 NEW ORLEANS LA WTIK Status: L Antenna: DA2

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## Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
15	WNOLDT15	NEW ORLEANS LA	USERRECORD01

## Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WHNO-DT	NEW ORLEANS LA	7.3	PLN	DTVPLN	-DTVP0131
15	WPMT-TV	MOBILE AL	237.3	LIC	BLCT	-20050406ABY
15	KADN	LAFAYETTE LA	221.7	LIC	BLCT	-19890313KI

16	KADN	LAFAYETTE LA	221.7	CP	BPCDT	-19991101AHD
16	KADN-DT	LAFAYETTE LA	221.7	PLN	DTVPLN	-DTVP0222
16	WMAH-TV	BILOXI MS	132.0	LIC	BLEDT	-20030630AAJ
16	WMAH-DT	BILOXI MS	132.0	PLN	DTVPLN	-DTVP0227
18	WBXN-CA	NEW ORLEANS LA	7.2	LIC	BLTTA	-20040525AGO
18	WBXN-CA	NEW ORLEANS LA	9.2	CP	BPTTA	-20070404ABX
19	KZUP-CA	BATON ROUGE LA	133.5	LIC	BLTTA	-20030528AJA
19	WMAH-TV	BILOXI MS	132.0	LIC	BMLET	-20030103AAP
22	WTNO-LP	NEW ORLEANS LA	18.1	APP	BSTA	-20060829BGH
22	WTNO-LP	NEW ORLEANS LA	18.1	APP	BDISTTA	-20060630AGU

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# Analysis of Interference to Affected Station 1

## DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
14	WHNO-DT	NEW ORLEANS LA	DTVPLN	-DTVP0131

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KARD	WEST MONROE LA	317.0	PLN	DTVPLN	-NPLN0889
14	WMAWTV	MERIDIAN MS	262.1	PLN	DTVPLN	-NPLN0891
15	KADN	LAFAYETTE LA	216.2	PLN	DTVPLN	-NPLN0924
15	WGNO-DT	NEW ORLEANS LA	10.0	PLN	DTVPLN	-DTVP0170

Results for: 14A LA NEW ORLEANS DTVPLN DTVP0131 PLN  
 HAAT 275.0 m, ATV ERP 130.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1522765	16751.1
not affected by terrain losses	1522765	16751.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	4.0
lost to ATV IX only	0	4.0
lost to all IX	0	4.0

## NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
20	WHNO	NEW ORLEANS LA	DTVPLN	-NPLN1082

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
16	WMAH-DT	BILOXI MS	139.0	PLN	DTVPLN	-DTVP0227
19	WMAHTV	BILOXI MS	139.0	PLN	DTVPLN	-NPLN1049
20	WMPV-DT	MOBILE AL	248.5	PLN	DTVPLN	-DTVP0386
20	KLTL-DT	LAKE CHARLES LA	291.1	PLN	DTVPLN	-DTVP0398
20	WMPN-DT	JACKSON MS	257.1	PLN	DTVPLN	-DTVP0405
24	WUPL-DT	SLIDELL LA	42.3	PLN	DTVPLN	-DTVP0570
27	WLPBTV	BATON ROUGE LA	124.1	PLN	DTVPLN	-NPLN1305
34	WVLA-DT	BATON ROUGE LA	128.6	PLN	DTVPLN	-DTVP0938

Results for: 20N LA NEW ORLEANS DTVPLN NPLN1082 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	1523053	16726.9
not affected by terrain losses	1523053	16726.9
lost to NTSC IX	9129	285.8
lost to additional IX by ATV	0	0.0
lost to all IX	9129	285.8

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
14	WHNO-DT	NEW ORLEANS LA	DTVPLN	-DTVP0131

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KARD	WEST MONROE LA	317.0	LIC	BLCT	-19861204KF
14	WMAW-TV	MERIDIAN MS	262.1	LIC	BMLET	-20031212AAS
15	KADN	LAFAYETTE LA	216.2	LIC	BLCT	-19890313KI
15	WGNO-DT	NEW ORLEANS LA	10.0	PLN	DTVPLN	-DTVP0170
15	WNOLDT15	NEW ORLEANS LA	7.3	APP	USERRECORD-01	

Total scenarios = 1



Result key: 1  
Scenario 1 Affected station 1  
Before Analysis

Results for: 14A LA NEW ORLEANS DTVPLN DTVP0131 PLN  
HAAT 275.0 m, ATV ERP 130.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1522765	16751.1
not affected by terrain losses	1522765	16751.1
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: 14A LA NEW ORLEANS DTVPLN DTVP0131 PLN  
HAAT 275.0 m, ATV ERP 130.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1522765	16751.1
not affected by terrain losses	1522765	16751.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1102	201.3
lost to ATV IX only	1102	201.3
lost to all IX	1102	201.3

Potential Interfering Stations Included in above Scenario 1

15A LA NEW ORLEANS USERRECORD01 APP

Percent new IX = 0.0724%

Worst case new IX 0.0724% Scenario 1

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Analysis of Interference to Affected Station 2

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
15	WPMI	MOBILE AL	DTVPLN	-NPLN0913

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WRBL-DT	COLUMBUS GA	330.9	PLN	DTVPLN	-DTVP0166
15	WGNO-DT	NEW ORLEANS LA	232.2	PLN	DTVPLN	-DTVP0170
16	WMAH-DT	BILOXI MS	124.9	PLN	DTVPLN	-DTVP0227
17	WEAR-DT	PENSACOLA FL	2.1	PLN	DTVPLN	-DTVP0255
19	WMAHTV	BILOXI MS	124.9	PLN	DTVPLN	-NPLN1049
22	WHLT	HATTIESBURG MS	174.4	PLN	DTVPLN	-NPLN1147
23	WSRE	PENSACOLA FL	44.5	PLN	DTVPLN	-NPLN1169
30	WGBC	MERIDIAN MS	213.1	PLN	DTVPLN	-NPLN1383

Results for: 15N AL MOBILE DTVPLN NPLN0913 PLN  
POPULATION AREA (sq km)

within Noise Limited Contour	1191289	26086.0
not affected by terrain losses	1190537	25970.0
lost to NTSC IX	1679	191.9
lost to additional IX by ATV	13028	455.7
lost to all IX	14707	647.6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
15	WPMI-TV	MOBILE AL	BLCT	-20050406ABY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WSFA	MONTGOMERY AL	204.5	LIC	BLC DT	-20040702AAJ
14	WSFA-TV	MONTGOMERY AL	204.5	LIC	BPRM	-20010427ABK
15	WRBL-DT	COLUMBUS GA	328.8	PLN	DTVPLN	-DTVP0166
15	WGNO	NEW ORLEANS LA	235.4	CP MOD	BMPCDT	-20050630AAB
15	WGNO-DT	NEW ORLEANS LA	235.4	PLN	DTVPLN	-DTVP0170
16	WCOV-TV	MONTGOMERY AL	204.5	CP	BPCDT	-19991021ACM

16	WMAH-TV	BILOXI MS	128.9	LIC	BLEDT	-20030630AAJ
16	WMAH-DT	BILOXI MS	128.9	PLN	DTVPLN	-DTVP0227
17	WEAR-TV	PENSACOLA FL	3.6	CP	BPCDT	-19991028AEX
17	WEAR-DT	PENSACOLA FL	2.5	PLN	DTVPLN	-DTVP0255
18	NEW	MOBILE AL	3.6	LIC	BPRM	-20000714ABV
18	960920WX	MOBILE AL	3.6	CP	BPCDT	-19960920WX
19	WMAH-TV	BILOXI MS	128.9	LIC	BMLET	-20030103AAP
22	WHLT	HATTIESBURG MS	178.6	LIC	BLCT	-19870624KF
23	NEW	MOBILE AL	3.6	APP	BPRM	-20060719AAR
23	WSRE	PENSACOLA FL	40.3	LIC	BLET	-19850315KM
30	WGBC	MERIDIAN MS	216.3	LIC	BLCT	-19910923KF
15	WNOLDT15	NEW ORLEANS LA	237.3	APP	USERRECORD-01	

Total scenarios = 1

Result key: 2  
Scenario 1 Affected station 2  
Before Analysis

Results for: 15N AL MOBILE

	BLCT	20050406ABY	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1246101	30553.8	
not affected by terrain losses	1243728	30417.8	
lost to NTSC IX	1683	156.0	
lost to additional IX by ATV	26560	727.9	
lost to all IX	28243	883.9	

Potential Interfering Stations Included in above Scenario 1

19N MS BILOXI	BMLET	20030103AAP	LIC
15A GA COLUMBUS	DTVPLN	DTVP0166	PLN
16A MS BILOXI	BLEDT	20030630AAJ	LIC

After Analysis

Results for: 15N AL MOBILE

	BLCT	20050406ABY	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1246101	30553.8	
not affected by terrain losses	1243728	30417.8	
lost to NTSC IX	1683	156.0	
lost to additional IX by ATV	30816	1019.9	
lost to all IX	32499	1175.9	

Potential Interfering Stations Included in above Scenario 1

19N MS BILOXI	BMLET	20030103AAP	LIC
15A GA COLUMBUS	DTVPLN	DTVP0166	PLN
16A MS BILOXI	BLEDT	20030630AAJ	LIC
15A LA NEW ORLEANS	USERRECORD01		APP

Percent new IX = 0.3415%

Worst case new IX 0.3415% Scenario 1

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Analysis of Interference to Affected Station 3

NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
15	KADN	LAFAYETTE LA	DTVPLN	-NPLN0924

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KARD	WEST MONROE LA	192.6	PLN	DTVPLN	-NPLN0889
15	WGNO-DT	NEW ORLEANS LA	221.7	PLN	DTVPLN	-DTVP0170
15	WXVT	GREENVILLE MS	392.9	PLN	DTVPLN	-NPLN0927
15	KAMUTV	COLLEGE STATION TX	396.4	PLN	DTVPLN	-NPLN0936
15	KTAL-DT	TEXARKANA TX	329.4	PLN	DTVPLN	-DTVP0197
16	KADN-DT	LAFAYETTE LA	0.0	PLN	DTVPLN	-DTVP0222
18	KLTLTV	LAKE CHARLES LA	75.7	PLN	DTVPLN	-NPLN1020
23	KLPB-DT	LAFAYETTE LA	38.4	PLN	DTVPLN	-DTVP0526
29	KVHP	LAKE CHARLES LA	130.9	PLN	DTVPLN	-NPLN1358
30	KVHP-DT	LAKE CHARLES LA	130.9	PLN	DTVPLN	-DTVP0789

Results for: 15N LA LAFAYETTE	DTVPLN	NPLN0924	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	641703	19922.1	
not affected by terrain losses	641703	19922.1	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	0	0.0	
lost to all IX	0	0.0	

# Analysis of current record

Channel	Call	City/State	Application	Ref. No.
15	KADN	LAFAYETTE LA	BLCT	-19890313KI

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KARD	WEST MONROE LA	192.6	LIC	BLCT	-19861204KF
15	WGNO	NEW ORLEANS LA	221.7	CP MOD	BMPCDT	-20050630AAB
15	WGNO-DT	NEW ORLEANS LA	221.7	PLN	DTVPLN	-DTVP0170
15	WXVT	GREENVILLE MS	392.9	CP	BPCT	-20041124AEU
15	KAMU-TV	COLLEGE STATION TX	396.4	LIC	BLET	-329
15	KTAL-DT	TEXARKANA TX	329.4	PLN	DTVPLN	-DTVP0197
16	KADN	LAFAYETTE LA	0.0	CP	BPCDT	-19991101AHD
16	KADN-DT	LAFAYETTE LA	0.0	PLN	DTVPLN	-DTVP0222
18	KLTL-TV	LAKE CHARLES LA	75.7	LIC	BLET	-19810508KF
23	KLPB-TV	LAFAYETTE LA	7.9	LIC	BLEDT	-20031117ACC
23	KLPB-DT	LAFAYETTE LA	38.4	PLN	DTVPLN	-DTVP0526
29	KVHP	LAKE CHARLES LA	130.9	APP	BSTA	-20051104AAG
29	KVHP	LAKE CHARLES LA	130.9	LIC	BLCT	-19900406KL
30	KVHP	LAKE CHARLES LA	130.9	CP	BPCDT	-19990714LD
30	KVHP-DT	LAKE CHARLES LA	130.9	PLN	DTVPLN	-DTVP0789
15	WNOLDT15	NEW ORLEANS LA	221.7	APP	USERRECORD-01	

Total scenarios = 1

Result key: 3  
Scenario 1 Affected station 3  
Before Analysis

Results for: 15N LA LAFAYETTE	BLCT	19890313KI	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	641703	19922.1	
not affected by terrain losses	641703	19922.1	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	0	0.0	
lost to all IX	0	0.0	

Potential Interfering Stations Included in above Scenario 1

## After Analysis

Results for: 15N LA LAFAYETTE	BLCT	19890313KI	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	641703	19922.1	
not affected by terrain losses	641703	19922.1	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	10	68.2	
lost to all IX	10	68.2	

Potential Interfering Stations Included in above Scenario 1

15A LA NEW ORLEANS USERRECORD01 APP

Percent new IX = 0.0016%

Worst case new IX 0.0016% Scenario 1

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## Analysis of Interference to Affected Station 4

### DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
16	KADN-DT	LAFAYETTE LA	DTVPLN	-DTVP0222

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KADN	LAFAYETTE LA	0.0	PLN	DTVPLN	-NPLN0924
15	WGNO-DT	NEW ORLEANS LA	221.7	PLN	DTVPLN	-DTVP0170
16	WMAH-DT	BILOXI MS	315.9	PLN	DTVPLN	-DTVP0227
16	WAPT	JACKSON MS	280.3	PLN	DTVPLN	-NPLN0956
17	WMAUTV	BUDE MS	179.1	PLN	DTVPLN	-NPLN0990

Results for: 16A LA LAFAYETTE DTVPLN DTVP0222 PLN  
 HAAT 360.0 m, ATV ERP 93.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	641182	19906.0
not affected by terrain losses	641182	19906.0
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

#### NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
15	KADN	LAFAYETTE LA	DTVPLN	-NPLN0924

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	KARD	WEST MONROE LA	192.6	PLN	DTVPLN	-NPLN0889
15	WGNO-DT	NEW ORLEANS LA	221.7	PLN	DTVPLN	-DTVP0170
15	WXVT	GREENVILLE MS	392.9	PLN	DTVPLN	-NPLN0927
15	KAMUTV	COLLEGE STATION TX	396.4	PLN	DTVPLN	-NPLN0936
15	KTAL-DT	TEXARKANA TX	329.4	PLN	DTVPLN	-DTVP0197
16	KADN-DT	LAFAYETTE LA	0.0	PLN	DTVPLN	-DTVP0222
18	KLTLTV	LAKE CHARLES LA	75.7	PLN	DTVPLN	-NPLN1020
23	KLPB-DT	LAFAYETTE LA	38.4	PLN	DTVPLN	-DTVP0526
29	KVHP	LAKE CHARLES LA	130.9	PLN	DTVPLN	-NPLN1358
30	KVHP-DT	LAKE CHARLES LA	130.9	PLN	DTVPLN	-DTVP0789

Results for: 15N LA LAFAYETTE DTVPLN NPLN0924 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	641703	19922.1
not affected by terrain losses	641703	19922.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to all IX	0	0.0

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
16	KADN	LAFAYETTE LA	BPCDT	-19991101AHD

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KADN	LAFAYETTE LA	0.0	LIC	BLCT	-19890313KI
15	WGNO-DT	NEW ORLEANS LA	221.7	PLN	DTVPLN	-DTVP0170
16	WMAH-TV	BILOXI MS	315.9	LIC	BLEDT	-20030630AAJ
16	WMAH-DT	BILOXI MS	315.9	PLN	DTVPLN	-DTVP0227
16	WAPT	JACKSON MS	280.3	LIC	BMLCT	-20021008ABL
17	WMAU-TV	BUDE MS	179.2	LIC	BMLET	-20030108AAO
15	WNOLDT15	NEW ORLEANS LA	221.7	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.
16	KADN-DT	LAFAYETTE LA	DTVPLN	-DTVP0222

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	KADN	LAFAYETTE LA	0.0	LIC	BLCT	-19890313KI
15	WGNO-DT	NEW ORLEANS LA	221.7	PLN	DTVPLN	-DTVP0170
16	WMAH-TV	BILOXI MS	315.9	LIC	BLEDT	-20030630AAJ
16	WMAH-DT	BILOXI MS	315.9	PLN	DTVPLN	-DTVP0227
16	WAPT	JACKSON MS	280.3	LIC	BMLCT	-20021008ABL

17	WMAU-TV	BUDE MS	179.2	LIC	BMLET	-20030108AAO
15	WNOLDT15	NEW ORLEANS LA	221.7	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

#####

# Analysis of Interference to Affected Station 6

## DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
16	WMAH-DT	BILOXI MS	DTVPLN	-DTVP0227

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WPMI	MOBILE AL	124.9	PLN	DTVPLN	-NPLN0913
15	WGNO-DT	NEW ORLEANS LA	129.0	PLN	DTVPLN	-DTVP0170
16	WCOV-DT	MONTGOMERY AL	307.0	PLN	DTVPLN	-DTVP0204
16	NEW	MARIANNA FL	394.9	PLN	DTVPLN	-NPLN0948
16	KADN-DT	LAFAYETTE LA	315.9	PLN	DTVPLN	-DTVP0222
16	WAPT	JACKSON MS	212.2	PLN	DTVPLN	-NPLN0956
16	WLOV-DT	WEST POINT MS	338.2	PLN	DTVPLN	-DTVP0228
17	WEAR-DT	PENSACOLA FL	127.0	PLN	DTVPLN	-DTVP0255
17	WMAUTV	BUDE MS	185.1	PLN	DTVPLN	-NPLN0990

Results for: 16A MS BILOXI DTVPLN DTVP0227 PLN  
HAAT 478.0 m, ATV ERP 50.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	785981	21497.5
not affected by terrain losses	785809	21481.5
lost to NTSC IX	23451	287.5
lost to additional IX by ATV	34622	99.8
lost to ATV IX only	54182	159.7
lost to all IX	58073	387.4

## NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
19	WMAHTV	BILOXI MS	DTVPLN	-NPLN1049

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WGNO-DT	NEW ORLEANS LA	129.0	PLN	DTVPLN	-DTVP0170
16	WMAH-DT	BILOXI MS	0.0	PLN	DTVPLN	-DTVP0227
17	WEAR-DT	PENSACOLA FL	127.0	PLN	DTVPLN	-DTVP0255
18	WMAU-DT	BUDE MS	185.1	PLN	DTVPLN	-DTVP0313
19	WIIQ-DT	DEMOPOLIS AL	206.3	PLN	DTVPLN	-DTVP0336
19	WMBB-DT	PANAMA CITY FL	343.2	PLN	DTVPLN	-DTVP0346
19	KLTM-DT	MONROE LA	336.7	PLN	DTVPLN	-DTVP0355
20	WMPV-DT	MOBILE AL	134.3	PLN	DTVPLN	-DTVP0386
20	WHNO	NEW ORLEANS LA	139.0	PLN	DTVPLN	-NPLN1082
21	WMPVTV	MOBILE AL	134.3	PLN	DTVPLN	-NPLN1098
22	WHLT	HATTIESBURG MS	77.6	PLN	DTVPLN	-NPLN1147
26	WGNO	NEW ORLEANS LA	129.0	PLN	DTVPLN	-NPLN1277
27	WKRQ-DT	MOBILE AL	106.8	PLN	DTVPLN	-DTVP0660
33	WHBR	PENSACOLA FL	124.9	PLN	DTVPLN	-NPLN1446
34	WHBR-DT	PENSACOLA FL	124.9	PLN	DTVPLN	-DTVP0932

Results for: 19N MS BILOXI DTVPLN NPLN1049 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	785972	21489.5
not affected by terrain losses	784743	21413.6
lost to NTSC IX	32287	427.3
lost to additional IX by ATV	1139	199.7
lost to all IX	33426	627.0

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
16	WMAH-TV	BILOXI MS	BLEDT	-20030630AAJ

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WPMI-TV	MOBILE AL	128.9	LIC	BLCT	-20050406ABY
15	WGNO-DT	NEW ORLEANS LA	129.0	PLN	DTVPLN	-DTVP0170

16	WCOV-DT	MONTGOMERY AL	306.9	PLN	DTVPLN	-DTVP0204
16	WCOV-TV	MONTGOMERY AL	296.9	CP	BPCDT	-19991021ACM
16	960724KO	MARIANNA FL	395.5	APP	BPET	-19960724KO
16	KADN	LAFAYETTE LA	315.9	CP	BPCDT	-19991101AHD
16	KADN-DT	LAFAYETTE LA	315.9	PLN	DTVPLN	-DTVP0222
16	WAPT	JACKSON MS	212.1	LIC	BMLCT	-20021008ABL
16	WLOV-DT	WEST POINT MS	338.1	PLN	DTVPLN	-DTVP0228
16	WLOV-TV	WEST POINT MS	338.1	CP MOD	BMPCDT	-20070323AOK
17	WEAR-TV	PENSACOLA FL	125.3	CP	BPCDT	-19991028AEX
17	WEAR-DT	PENSACOLA FL	127.0	PLN	DTVPLN	-DTVP0255
17	WMAU-TV	BUDE MS	185.1	LIC	BMLET	-20030108AAO
15	WNOLDT15	NEW ORLEANS LA	132.0	APP	USERRECORD-01	

Total scenarios = 8

Result key: 5  
 Scenario 2 Affected station 6  
 Before Analysis

Results for: 16A MS BILOXI BLEDT 20030630AAJ LIC  
 HAAT 477.0 m, ATV ERP 150.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1054579	25846.6
not affected by terrain losses	1054579	25838.6
lost to NTSC IX	134737	499.2
lost to additional IX by ATV	44789	247.6
lost to ATV IX only	172481	459.3
lost to all IX	179526	746.8

Potential Interfering Stations Included in above Scenario 2

15N AL MOBILE	BLCT	20050406ABY	LIC
16N MS JACKSON	BMLCT	20021008ABL	LIC
16A AL MONTGOMERY	DTVPLN	DTVP0204	PLN
16A LA LAFAYETTE	BPCDT	19991101AHD	CP
16A MS WEST POINT	BMPCDT	20070323AOK	CP
17A FL PENSACOLA	DTVPLN	DTVP0255	PLN

After Analysis

Results for: 16A MS BILOXI BLEDT 20030630AAJ LIC  
 HAAT 477.0 m, ATV ERP 150.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1054579	25846.6
not affected by terrain losses	1054579	25838.6
lost to NTSC IX	134737	499.2
lost to additional IX by ATV	45360	251.6
lost to ATV IX only	173052	463.3
lost to all IX	180097	750.8

Potential Interfering Stations Included in above Scenario 2

15N AL MOBILE	BLCT	20050406ABY	LIC
16N MS JACKSON	BMLCT	20021008ABL	LIC
16A AL MONTGOMERY	DTVPLN	DTVP0204	PLN
16A LA LAFAYETTE	BPCDT	19991101AHD	CP
16A MS WEST POINT	BMPCDT	20070323AOK	CP
17A FL PENSACOLA	DTVPLN	DTVP0255	PLN
15A LA NEW ORLEANS	USERRECORD01		APP

Percent new IX = 0.0759%

Worst case new IX 0.0759% Scenario 2

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
16	WMAH-DT	BILOXI MS	DTVPLN	-DTVP0227

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WPMT-TV	MOBILE AL	128.9	LIC	BLCT	-20050406ABY
15	WGNO-DT	NEW ORLEANS LA	129.0	PLN	DTVPLN	-DTVP0170

16	WCOV-DT	MONTGOMERY AL	307.0	PLN	DTVPLN	-DTVP0204
16	WCOV-TV	MONTGOMERY AL	296.9	CP	BPCDT	-19991021ACM
16	960724KO	MARIANNA FL	395.5	APP	BPET	-19960724KO
16	KADN	LAFAYETTE LA	315.9	CP	BPCDT	-19991101AHD
16	KADN-DT	LAFAYETTE LA	315.9	PLN	DTVPLN	-DTVP0222
16	WAPT	JACKSON MS	212.2	LIC	BMLCT	-20021008ABL
16	WLOV-DT	WEST POINT MS	338.2	PLN	DTVPLN	-DTVP0228
16	WLOV-TV	WEST POINT MS	338.2	CP MOD	BMPCDT	-20070323AOK
17	WEAR-TV	PENSACOLA FL	125.3	CP	BPCDT	-19991028AEX
17	WEAR-DT	PENSACOLA FL	127.0	PLN	DTVPLN	-DTVP0255
17	WMAU-TV	BUDE MS	185.2	LIC	BMLET	-20030108AAO
15	WNOLDT15	NEW ORLEANS LA	132.0	APP	USERRECORD-01	

Proposal causes no interference

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# Analysis of Interference to Affected Station 8

## Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	WBXN-CA	NEW ORLEANS LA	BLTTA	-20040525AGO

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WHNO-DT	NEW ORLEANS LA	0.0	PLN	DTVPLN	-DTVP0131
15	WGNO	NEW ORLEANS LA	10.0	CP MOD	BMPCDT	-20050630AAB
15	WGNO-DT	NEW ORLEANS LA	10.0	PLN	DTVPLN	-DTVP0170
16	WMAH-TV	BILOXI MS	139.0	LIC	BLEDT	-20030630AAJ
16	WMAH-DT	BILOXI MS	139.0	PLN	DTVPLN	-DTVP0227
18	NEW	MOBILE AL	241.0	LIC	BPRM	-20000714ABV
18	960920WX	MOBILE AL	241.0	CP	BPCDT	-19960920WX
18	KLTL-TV	LAKE CHARLES LA	291.1	LIC	BLET	-19810508KF
18	WMAU-DT	BUDE MS	175.7	PLN	DTVPLN	-DTVP0313
18	WMAU-TV	BUDE MS	175.8	CP	BPEDT	-20000501AHS
21	WHNO-TV	NEW ORLEANS LA	0.0	LIC	BPRM	-20000803AAF
21	WHNO	NEW ORLEANS LA	0.0	LIC	BLCDDT	-20050413AAK
25	WLPB-TV	BATON ROUGE LA	124.1	LIC	BLEDT	-20041020ADE
25	WLPB-DT	BATON ROUGE LA	124.1	PLN	DTVPLN	-DTVP0603
32	WLAE-TV	NEW ORLEANS LA	9.8	CP	BPET	-20060130ANN
33	WVLA	BATON ROUGE LA	128.6	LIC	BLCT	-19871224KH
15	WNOLDT15	NEW ORLEANS LA	7.2	APP	USERRECORD-01	

Total scenarios = 1

Result key: 12  
Scenario 1 Affected station 8  
Before Analysis

Results for: 18N LA NEW ORLEANS		BLTTA	20040525AGO	LIC
	POPULATION	AREA (sq km)		
within Noise Limited Contour	634584	688.4		
not affected by terrain losses	634584	688.4		
lost to NTSC IX	27028	20.1		
lost to additional IX by ATV	58234	32.2		
lost to all IX	85262	52.3		

Potential Interfering Stations Included in above Scenario 1

32N LA NEW ORLEANS	BPET	20060130ANN	CP
18A MS BUDE	BPEDT	20000501AHS	CP

## After Analysis

Results for: 18N LA NEW ORLEANS		BLTTA	20040525AGO	LIC
	POPULATION	AREA (sq km)		
within Noise Limited Contour	634584	688.4		
not affected by terrain losses	634584	688.4		
lost to NTSC IX	27028	20.1		
lost to additional IX by ATV	70701	40.3		
lost to all IX	97729	60.4		

Potential Interfering Stations Included in above Scenario 1

32N LA NEW ORLEANS	BPET	20060130ANN	CP
18A MS BUDE	BPEDT	20000501AHS	CP

The following station failed the de minimis interference criteria.

15D LA NEW ORLEANS USERRECORD01  
ERP 775.00 kW HAAT 286.0 m RCAMSL 287.0 m  
Antenna usr 150001

Due to interference to the following station and scenario: 1

18N LA NEW ORLEANS BLTTA 20040525AGO  
ERP 5.00 kW HAAT 305.0 m RCAMSL 305.0 m  
Antenna CDB 00000000020425

Percent new DTV interference without proposal: 9.2 BLTTA 20040525AGO

Percent new DTV interference with proposal: 11.1 BLTTA 20040525AGO

Worst case new IX 1.9646% Scenario 1

#####

#### Analysis of Interference to Affected Station 9

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	WBXN-CA	NEW ORLEANS LA	BPTTA	-20070404ABX

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WHNO-DT	NEW ORLEANS LA	2.1	PLN	DTVPLN	-DTVP0131
15	WGNO	NEW ORLEANS LA	12.1	CP MOD	BMPCDT	-20050630AAB
15	WGNO-DT	NEW ORLEANS LA	12.1	PLN	DTVPLN	-DTVP0170
16	WMAH-TV	BILOXI MS	141.1	LIC	BLEDT	-20030630AAJ
16	WMAH-DT	BILOXI MS	141.0	PLN	DTVPLN	-DTVP0227
18	NEW	MOBILE AL	242.9	LIC	BPRM	-20000714ABV
18	960920WX	MOBILE AL	242.9	CP	BPCDT	-19960920WX
18	KLTL-TV	LAKE CHARLES LA	290.0	LIC	BLET	-19810508KF
18	WMAU-DT	BUDE MS	176.6	PLN	DTVPLN	-DTVP0313
18	WMAU-TV	BUDE MS	176.7	CP	BPEDT	-20000501AHS
21	WHNO-TV	NEW ORLEANS LA	2.1	LIC	BPRM	-20000803AAF
21	WHNO	NEW ORLEANS LA	2.1	LIC	BLCDDT	-20050413AAK
25	WLPB-TV	BATON ROUGE LA	123.4	LIC	BLEDT	-20041020ADE
25	WLPB-DT	BATON ROUGE LA	123.4	PLN	DTVPLN	-DTVP0603
32	WLAE-TV	NEW ORLEANS LA	11.9	CP	BPET	-20060130ANN
33	WVLA	BATON ROUGE LA	127.8	LIC	BLCT	-19871224KH
15	WNOLDT15	NEW ORLEANS LA	9.2	APP	USERRECORD-01	

Total scenarios = 4

Result key: 14

Scenario 2 Affected station 9

Before Analysis

Results for: 18N LA NEW ORLEANS	BPTTA	20070404ABX	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	435138	370.5	
not affected by terrain losses	423999	362.4	
lost to NTSC IX	17958	12.1	
lost to additional IX by ATV	97496	40.3	
lost to all IX	115454	52.3	

Potential Interfering Stations Included in above Scenario 2

32N LA NEW ORLEANS	BPET	20060130ANN	CP
18A AL MOBILE	BPRM	20000714ABV	LIC
18A MS BUDE	BPEDT	20000501AHS	CP

After Analysis

Results for: 18N LA NEW ORLEANS	BPTTA	20070404ABX	CP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	435138	370.5	
not affected by terrain losses	423999	362.4	
lost to NTSC IX	17958	12.1	
lost to additional IX by ATV	103226	44.3	
lost to all IX	121184	56.4	

Potential Interfering Stations Included in above Scenario 2



32N LA NEW ORLEANS	BPET	20060130ANN	CP
18A AL MOBILE	BPRM	20000714ABV	LIC
18A MS BUDE	BPEDT	20000501AHS	CP
15A LA NEW ORLEANS	USERRECORD01		APP

The following station failed the de minimis interference criteria.

15D LA NEW ORLEANS USERRECORD01  
 ERP 775.00 kW HAAT 286.0 m RCAMSL 287.0 m  
 Antenna usr 150001

Due to interference to the following station and scenario: 2

18N LA NEW ORLEANS BPTTA 20070404ABX  
 ERP 2.30 kW HAAT 264.0 m RCAMSL 263.0 m  
 Antenna CDB 00000000020425

Percent new DTV interference without proposal:	22.4	BPTTA	20070404ABX
Percent new DTV interference with proposal:	23.7	BPTTA	20070404ABX

Worst case new IX 1.3168% Scenario 2

#####

#### Analysis of Interference to Affected Station 10

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	KZUP-CA	BATON ROUGE LA	BLTTA	-20030528AJA

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WGNO	NEW ORLEANS LA	133.2	CP MOD	BMPCDT	-20050630AAB
15	WGNO-DT	NEW ORLEANS LA	133.2	PLN	DTVPLN	-DTVP0170
16	KADN	LAFAYETTE LA	90.1	CP	BPCDT	-19991101AHD
16	KADN-DT	LAFAYETTE LA	90.1	PLN	DTVPLN	-DTVP0222
17	WMAU-TV	BUDE MS	126.7	LIC	BMLET	-20030108AAO
18	WMAU-DT	BUDE MS	126.6	PLN	DTVPLN	-DTVP0313
18	WMAU-TV	BUDE MS	126.7	CP	BPEDT	-20000501AHS
19	KLTM-TV	MONROE LA	256.9	LIC	BLEDT	-20040818AAF
19	KLTM-DT	MONROE LA	221.0	PLN	DTVPLN	-DTVP0355
19	K19FR	NEW IBERIA LA	61.1	LIC	BLTT	-20060404AFT
19	WMAH-TV	BILOXI MS	228.2	LIC	BMLET	-20030103AAP
19	K55GT	BEAUMONT TX	263.7	APP	BPTTL	-20011116ABK
20	WHNO	NEW ORLEANS LA	128.6	LIC	BLCT	-19941101KE
21	WHNO-TV	NEW ORLEANS LA	128.6	LIC	BPRM	-20000803AAF
21	WHNO	NEW ORLEANS LA	128.6	LIC	BLCDDT	-20050413AAK
23	KLPB-TV	LAFAYETTE LA	96.5	LIC	BLEDT	-20031117ACC
23	KLPB-DT	LAFAYETTE LA	109.7	PLN	DTVPLN	-DTVP0526
33	WVLA	BATON ROUGE LA	0.0	LIC	BLCT	-19871224KH
34	WVLA	BATON ROUGE LA	0.0	LIC	BLCDDT	-20051221AOO
34	WVLA-DT	BATON ROUGE LA	0.0	PLN	DTVPLN	-DTVP0938
15	WNOLDT15	NEW ORLEANS LA	133.5	APP	USERRECORD-01	

Proposed station is beyond the site to  
 nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 11

##### NTSC Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
19	WMAHTV	BILOXI MS	DTVPLN	-NPLN1049

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WGNO-DT	NEW ORLEANS LA	129.0	PLN	DTVPLN	-DTVP0170
16	WMAH-DT	BILOXI MS	0.0	PLN	DTVPLN	-DTVP0227
17	WEAR-DT	PENSACOLA FL	127.0	PLN	DTVPLN	-DTVP0255
18	WMAU-DT	BUDE MS	185.1	PLN	DTVPLN	-DTVP0313
19	WIIQ-DT	DEMOPOLIS AL	206.3	PLN	DTVPLN	-DTVP0336
19	WMBB-DT	PANAMA CITY FL	343.2	PLN	DTVPLN	-DTVP0346
19	KLTM-DT	MONROE LA	336.7	PLN	DTVPLN	-DTVP0355
20	WMPV-DT	MOBILE AL	134.3	PLN	DTVPLN	-DTVP0386
20	WHNO	NEW ORLEANS LA	139.0	PLN	DTVPLN	-NPLN1082

21	WMPVTV	MOBILE AL	134.3	PLN	DTVPLN	-NPLN1098
22	WHLT	HATTIESBURG MS	77.6	PLN	DTVPLN	-NPLN1147
26	WGNO	NEW ORLEANS LA	129.0	PLN	DTVPLN	-NPLN1277
27	WKRGT-DT	MOBILE AL	106.8	PLN	DTVPLN	-DTVP0660
33	WHBR	PENSACOLA FL	124.9	PLN	DTVPLN	-NPLN1446
34	WHBR-DT	PENSACOLA FL	124.9	PLN	DTVPLN	-DTVP0932

Results for: 19N MS BILOXI

	POPULATION	AREA (sq km)	DTVPLN	NPLN1049	PLN
within Noise Limited Contour	785972	21489.5			
not affected by terrain losses	784743	21413.6			
lost to NTSC IX	32287	427.3			
lost to additional IX by ATV	1139	199.7			
lost to all IX	33426	627.0			

# Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	WMAH-TV	BILOXI MS	BMLET	-20030103AAP

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WGNO	NEW ORLEANS LA	129.0	CP MOD	BMPCDT	-20050630AAB
15	WGNO-DT	NEW ORLEANS LA	129.0	PLN	DTVPLN	-DTVP0170
16	WMAH-TV	BILOXI MS	0.0	LIC	BLEDT	-20030630AAJ
16	WMAH-DT	BILOXI MS	0.1	PLN	DTVPLN	-DTVP0227
17	WEAR-TV	PENSACOLA FL	125.3	CP	BPCDT	-19991028AEX
17	WEAR-DT	PENSACOLA FL	127.0	PLN	DTVPLN	-DTVP0255
18	NEW	MOBILE AL	125.3	LIC	BPRM	-20000714ABV
18	960920WX	MOBILE AL	125.3	CP	BPCDT	-19960920WX
18	WMAU-DT	BUDE MS	185.1	PLN	DTVPLN	-DTVP0313
18	WMAU-TV	BUDE MS	185.1	CP	BPEDT	-20000501AHS
19	WIIQ	DEMOPOLIS AL	205.8	LIC	BLEDT	-20031023AAI
19	WIIQ-DT	DEMOPOLIS AL	206.2	PLN	DTVPLN	-DTVP0336
19	WMBB-DT	PANAMA CITY FL	343.2	PLN	DTVPLN	-DTVP0346
19	KLTM-TV	MONROE LA	357.8	LIC	BLEDT	-20040818AAF
19	KLTM-DT	MONROE LA	336.6	PLN	DTVPLN	-DTVP0355
20	WMPV-TV	MOBILE AL	128.9	LIC	BLCDT	-20060703AAJ
20	WMPV-DT	MOBILE AL	134.3	PLN	DTVPLN	-DTVP0386
20	WHNO	NEW ORLEANS LA	139.1	LIC	BLCT	-19941101KE
21	WMPV-TV	MOBILE AL	134.3	CP	BPCT	-20010905AAD
21	WHNO-TV	NEW ORLEANS LA	139.1	LIC	BPRM	-20000803AAF
21	WHNO	NEW ORLEANS LA	139.1	LIC	BLCDT	-20050413AAK
22	WHLT	HATTIESBURG MS	77.4	LIC	BLCT	-19870624KF
23	NEW	MOBILE AL	125.3	APP	BPRM	-20060719AAR
26	WGNO	NEW ORLEANS LA	129.0	LIC	BLCT	-20050228AAK
27	WKRGT-DT	MOBILE AL	106.8	PLN	DTVPLN	-DTVP0660
33	WHBR	PENSACOLA FL	125.3	APP	BSTA	-20071009AKV
33	WHBR	PENSACOLA FL	125.3	LIC	BLCT	-20070604ACF
34	WHBR-DT	PENSACOLA FL	124.9	PLN	DTVPLN	-DTVP0932
34	WHBR	PENSACOLA FL	125.3	LIC	BLCDT	-20060627AAV
34	WRBJ	MAGEE MS	162.3	LIC	BLCT	-20060223AAV
34	960920LS	MAGEE MS	147.3	APP	BPCT	-19960920LS
15	WNOLDT15	NEW ORLEANS LA	132.0	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.
22	WTNO-LP	NEW ORLEANS LA	BSTA	-20060829BGH

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WHNO-DT	NEW ORLEANS LA	13.0	PLN	DTVPLN	-DTVP0131
15	WGNO	NEW ORLEANS LA	18.7	CP MOD	BMPCDT	-20050630AAB
15	WGNO-DT	NEW ORLEANS LA	18.7	PLN	DTVPLN	-DTVP0170
21	WHNO-TV	NEW ORLEANS LA	13.0	LIC	BPRM	-20000803AAF
21	WHNO	NEW ORLEANS LA	13.0	LIC	BLCDT	-20050413AAK
22	WHLT	HATTIESBURG MS	181.1	LIC	BLCT	-19870624KF
24	WUPL-DT	SLIDELL LA	41.5	PLN	DTVPLN	-DTVP0570
24	WUPL	SLIDELL LA	13.0	LIC	BLCDT	-20040812AAA
25	WLPB-TV	BATON ROUGE LA	111.1	LIC	BLEDT	-20041020ADE
25	WLPB-DT	BATON ROUGE LA	111.1	PLN	DTVPLN	-DTVP0603

29	WVUE-DT	NEW ORLEANS	LA	18.8	PLN	DTVPLN	-DTVP0745
30	WWL-DT	NEW ORLEANS	LA	12.5	PLN	DTVPLN	-DTVP0790
36	WWL-TV	NEW ORLEANS	LA	12.6	LIC	BLCDDT	-20020506AAK
36	WWLTV	NEW ORLEANS	LA	12.5	LIC	BPRM	-20000413AAA
15	WNOLDT15	NEW ORLEANS	LA	18.1	APP	USERRECORD-01	

Total scenarios = 4

Result key: 17  
Scenario 1 Affected station 12  
Before Analysis

Results for: 22N LA NEW ORLEANS

	BSTA	20060829BGH	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	985270	1316.7	
not affected by terrain losses	985270	1316.7	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	23128	12.1	
lost to all IX	23128	12.1	

Potential Interfering Stations Included in above Scenario 1

21A LA NEW ORLEANS	BPRM	20000803AAF	LIC
24A LA SLIDELL	BLCDDT	20040812AAA	LIC
29A LA NEW ORLEANS	DTVPLN	DTVP0745	PLN
30A LA NEW ORLEANS	DTVPLN	DTVP0790	PLN
36A LA NEW ORLEANS	BLCDDT	20020506AAK	LIC

After Analysis

Results for: 22N LA NEW ORLEANS

	BSTA	20060829BGH	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	985270	1316.7	
not affected by terrain losses	985270	1316.7	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	25844	16.1	
lost to all IX	25844	16.1	

Potential Interfering Stations Included in above Scenario 1

21A LA NEW ORLEANS	BPRM	20000803AAF	LIC
24A LA SLIDELL	BLCDDT	20040812AAA	LIC
29A LA NEW ORLEANS	DTVPLN	DTVP0745	PLN
30A LA NEW ORLEANS	DTVPLN	DTVP0790	PLN
36A LA NEW ORLEANS	BLCDDT	20020506AAK	LIC
15A LA NEW ORLEANS	USERRECORD01		APP

Percent new IX = 0.2757%

Worst case new IX 0.2757% Scenario 1

#####

Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application Ref. No.
22	WTNO-LP	NEW ORLEANS LA	BDISTTA -20060630AGU

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	WHNO-DT	NEW ORLEANS LA	13.0	PLN	DTVPLN -DTVP0131
15	WGNO	NEW ORLEANS LA	18.7	CP MOD	BMPCDDT -20050630AAB
15	WGNO-DT	NEW ORLEANS LA	18.7	PLN	DTVPLN -DTVP0170
21	WHNO-TV	NEW ORLEANS LA	13.0	LIC	BPRM -20000803AAF
21	WHNO	NEW ORLEANS LA	13.0	LIC	BLCDDT -20050413AAK
22	WHLT	HATTIESBURG MS	181.1	LIC	BLCT -19870624KF
24	WUPL-DT	SLIDELL LA	41.5	PLN	DTVPLN -DTVP0570
24	WUPL	SLIDELL LA	13.0	LIC	BLCDDT -20040812AAA
25	WLPB-TV	BATON ROUGE LA	111.1	LIC	BLEDDT -20041020ADE
25	WLPB-DT	BATON ROUGE LA	111.1	PLN	DTVPLN -DTVP0603
29	WVUE-DT	NEW ORLEANS LA	18.8	PLN	DTVPLN -DTVP0745
30	WWL-DT	NEW ORLEANS LA	12.5	PLN	DTVPLN -DTVP0790
36	WWL-TV	NEW ORLEANS LA	12.6	LIC	BLCDDT -20020506AAK
36	WWLTV	NEW ORLEANS LA	12.5	LIC	BPRM -20000413AAA

Total scenarios = 4

Result key: 21  
 Scenario 1 Affected station 13  
 Before Analysis

Results for: 22N LA NEW ORLEANS BDISTTA 20060630AGU APP  
 POPULATION AREA (sq km)  
 within Noise Limited Contour 985270 1316.7  
 not affected by terrain losses 985270 1316.7  
 lost to NTSC IX 0 0.0  
 lost to additional IX by ATV 23128 12.1  
 lost to all IX 23128 12.1

Potential Interfering Stations Included in above Scenario 1

21A LA NEW ORLEANS	BPRM	20000803AAF	LIC
24A LA SLIDELL	BLCDDT	20040812AAA	LIC
29A LA NEW ORLEANS	DTVPLN	DTVP0745	PLN
30A LA NEW ORLEANS	DTVPLN	DTVP0790	PLN
36A LA NEW ORLEANS	BLCDDT	20020506AAK	LIC

After Analysis

Results for: 22N LA NEW ORLEANS BDISTTA 20060630AGU APP  
 POPULATION AREA (sq km)  
 within Noise Limited Contour 985270 1316.7  
 not affected by terrain losses 985270 1316.7  
 lost to NTSC IX 0 0.0  
 lost to additional IX by ATV 25844 16.1  
 lost to all IX 25844 16.1

Potential Interfering Stations Included in above Scenario 1

21A LA NEW ORLEANS	BPRM	20000803AAF	LIC
24A LA SLIDELL	BLCDDT	20040812AAA	LIC
29A LA NEW ORLEANS	DTVPLN	DTVP0745	PLN
30A LA NEW ORLEANS	DTVPLN	DTVP0790	PLN
36A LA NEW ORLEANS	BLCDDT	20020506AAK	LIC
15A LA NEW ORLEANS	USERRECORD01		APP

Percent new IX = 0.2757%

Worst case new IX 0.2757% Scenario 1

#####

Analysis of Interference to Affected Station 14

DTV Baseline Analysis

Channel	Call	City/State	Application	Ref. No.
15	WGNO-DT	NEW ORLEANS LA	DTVPLN	-DTVP0170

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
14	WHNO-DT	NEW ORLEANS LA	10.0	PLN	DTVPLN	-DTVP0131
15	WPMI	MOBILE AL	232.2	PLN	DTVPLN	-NPLN0913
15	KADN	LAFAYETTE LA	221.7	PLN	DTVPLN	-NPLN0924
15	WXVT	GREENVILLE MS	414.7	PLN	DTVPLN	-NPLN0927
16	KADN-DT	LAFAYETTE LA	221.7	PLN	DTVPLN	-DTVP0222
16	WMAH-DT	BILOXI MS	129.0	PLN	DTVPLN	-DTVP0227

Results for: 15A LA NEW ORLEANS DTVPLN DTVP0170 PLN  
 HAAT 308.0 m, ATV ERP 70.1 kW

POPULATION AREA (sq km)  
 within Noise Limited Contour 1478939 16753.2  
 not affected by terrain losses 1478939 16753.2  
 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

NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
26	WGNO	NEW ORLEANS LA	DTVPLN -NPLN1277

# Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
19	WMAHTV	BILOXI MS	129.0	PLN	DTVPLN -NPLN1049
24	WUPL-DT	SLIDELL LA	34.0	PLN	DTVPLN -DTVP0570
25	WLPB-DT	BATON ROUGE LA	128.2	PLN	DTVPLN -DTVP0603
25	WXXVTV	GULFPORT MS	120.5	PLN	DTVPLN -NPLN1251
26	KLPA-DT	ALEXANDRIA LA	304.2	PLN	DTVPLN -DTVP0640
26	WMDN-DT	MERIDIAN MS	285.2	PLN	DTVPLN -DTVP0643
27	WLPBTB	BATON ROUGE LA	128.2	PLN	DTVPLN -NPLN1305
29	WVUE-DT	NEW ORLEANS LA	3.1	PLN	DTVPLN -DTVP0745
30	WWL-DT	NEW ORLEANS LA	12.1	PLN	DTVPLN -DTVP0790
33	WVLA	BATON ROUGE LA	133.2	PLN	DTVPLN -NPLN1449
34	WVLA-DT	BATON ROUGE LA	133.2	PLN	DTVPLN -DTVP0938
40	WNOL-DT	NEW ORLEANS LA	1.0	PLN	DTVPLN -DTVP1126

Results for: 26N LA NEW ORLEANS	DTVPLN	NPLN1277	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1478939	16749.2	
not affected by terrain losses	1478939	16749.2	
lost to NTSC IX	22017	571.5	
lost to additional IX by ATV	0	0.0	
lost to all IX	22017	571.5	

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
15	WNOLDT15	NEW ORLEANS LA	USERRECORD-01

# Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
14	WHNO-DT	NEW ORLEANS LA	7.3	PLN	DTVPLN -DTVP0131
15	WPMI-TV	MOBILE AL	237.3	LIC	BLCT -20050406ABY
15	KADN	LAFAYETTE LA	221.7	LIC	BLCT -19890313KI
15	WXVT	GREENVILLE MS	418.1	CP	BPCT -20041124AEU
16	KADN	LAFAYETTE LA	221.7	CP	BPCDT -19991101AHD
16	KADN-DT	LAFAYETTE LA	221.7	PLN	DTVPLN -DTVP0222
16	WMAH-TV	BILOXI MS	132.0	LIC	BLEDT -20030630AAJ
16	WMAH-DT	BILOXI MS	132.0	PLN	DTVPLN -DTVP0227

Total scenarios = 1

Result key: 25  
Scenario 1 Affected station 14  
Before Analysis

Results for: 15A LA NEW ORLEANS	USERRECORD01	APP
HAAT 286.0 m, ATV ERP 775.0 kW		
	POPULATION	AREA (sq km)
within Noise Limited Contour	1728426	24624.2
not affected by terrain losses	1728426	24624.2
lost to NTSC IX	36	8.1
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	36	8.1

Potential Interfering Stations Included in above Scenario 1

15N AL MOBILE	BLCT	20050406ABY	LIC
15N LA LAFAYETTE	BLCT	19890313KI	LIC

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

TECHNICAL EXHIBIT  
APPLICATION FOR CONSTRUCTION PERMIT  
TELEVISION STATION WNOL-DT  
NEW ORLEANS, LOUISIANA  
CHANNEL 15 775 KW (MAX-DA) 286 M

Technical Statement Concerning Special Circumstances  
Regarding Interference Analysis for WNOL-DT and WGNO-DT

(9 pages follow)

In the Matter of:

Third Periodic Review of the  
Commission's Rules and Policies  
Affecting the Conversion  
To Digital Television

MB Docket No. 07-91

**TRIBUNE BROADCASTING COMPANY**

**TECHNICAL STATEMENT  
CONCERNING SPECIAL CIRCUMSTANCES REGARDING  
INTERFERENCE ANALYSIS FOR WGNO-DT AND WNOL-DT  
NEW ORLEANS, LOUISIANA**

This Technical Statement concerns stations WGNO-DT and WNOL-DT, both in New Orleans, Louisiana. WGNO-DT is authorized for pre-transition digital operation on Channel 15 in New Orleans and is proposed for post-transition operation on Channel 26. WNOL-DT is authorized for pre-transition digital operation on Channel 40 and for post-transition operation on Channel 15. The proposed new WGNO-DT and WNOL-DT facilities will be located on the existing Hearst tower in Chalmette and will employ a shared transmitting antenna that will accommodate digital Channels 15, 26 and 43. It is anticipated that WNOL-DT will operate on Channel 15 with a maximum effective radiated power (ERP) of 775 kW using the shared antenna and that WGNO-DT will operate on Channel 26 with a maximum ERP of 1000 kW using the shared antenna. The shared antenna radiation center will be located at a height of 287 m above mean sea level. Calculations of predicted interference for the Channels 15 and 26 digital facilities have been conducted according to FCC Office of Engineering and Technology Bulletin No. 69 (OET-69). These studies result in anomalous interference conditions to Class A stations WBXN-CA and WTNO-LP that is the subject of this statement.

Class A television station WBXN-CA is licensed for operation on Channel 18 with a maximum direction ERP of 5 kW and an antenna height of 305 m AMSL (FCC File No. BLTTA-20040525AGO). WBXN-CA holds a construction permit for operation on Channel 18 at a different site with a reduced maximum directional ERP of 2.3 kW an antenna height of 264 m AMSL (FCC File No. BPTTA-20070404ABX). WBXN-CA is related by taboo restrictions to both Channels 15 and 26.

Class A television station WTNO-LP is licensed for operation on Channel 36, but it has applied for operation on Channel 22 with a maximum direction ERP of 49.3 kW and an antenna height of 102 m AMSL (FCC File No. BDISTTA-20060630AGU). WTNO-LP is related by taboo restrictions to both Channels 15 and 26.

The facilities proposed on Channels 15 and 26 for digital stations WNOL-DT and WGNO-DT at the Hearst tower, including the directional antenna pattern information, are summarized in Figures 1 and 2 herein.

The proposed Hearst transmitter site is located 3.7 km south-southwest of the WGNO/WNOL tower, which is the authorized transmitter site for WGNO-DT and WNOL-DT. The proposed relocation of the WNOL-DT and WGNO-DT transmitter sites to the Hearst tower, to share the new combined transmitting antenna, requires an interference analysis to be conducted according to the procedures of OET-69. For both Channels 15 and 26, there are no full-service analog or digital interference issues of concern. However, there is taboo interference predicted with respect to taboo related Class A stations WBXN-CA and WTNO-LP as result of the anomaly in the FCC OET-69 analysis code.

The attached Figure 3 is a map showing the predicted 74 dBu protected service contours for stations WBXN-CA and WTNO-LP. Also shown on this map are the locations of the WGNO/WNOL tower site and the Hearst tower site. It will be observed that both tower sites are within the predicted protected 74 dBu contours of WBXN-CA and WTNO-LP.



The FCC OET-69 interference analysis indicates that there will be predicted impermissible interference to the WBXN-CA licensed and construction permit facilities from the proposed digital operations on Channels 15 and 26. The OET-69 interference analysis program also indicates that there would be impermissible interference from the Channel 26 facility to the both the WBXN-CA and WTNO-LP facilities. The results are summarized below:

- WBXN-CA (CP), Baseline population = 454,184; Predicted net interference from proposed Channel 15 facility = 5,058; 1.11% interference.
- WBXN-CA (Lic.), Baseline population = 638,408; Predicted net interference from proposed Channel 15 facility = 12,373; 1.94% interference.
- WBXN-CA (Lic.), Baseline population = 638,408; Predicted net interference from proposed Channel 26 facility = 12,373; 1.94% interference.
- WTNO-LP, Baseline population = 990,460; Predicted net interference from proposed Channel 26 facility = 13,437; 1.36% interference.

There are only one or two cells of interference that separately or together make up the predicted interference values to WBXN-CA and WTNO-LP. These cells are located within 1-km of the undesired Channel 15 and 26 transmitter sites. However, in reality there would be no interference to WBXN-CA or WTNO-LP. This is where the anomaly in the FCC OET-69 code has caused there to be predicted interference where none would ever exist in practice.

OET Bulletin No. 69 (February 6, 2004), in Table 8, indicates that the elevation pattern relative field factor to be assumed for full service digital facilities at angles exceeding 5 degrees below the horizon is 0.150. This is a conservative estimate of actual elevation patterns and it is generally consistent with the elevation patterns proposed for Channels 15 and 26. However, according to the OET-69 processing software code, all points within 1 kilometer of the undesired transmitter site default to an elevation pattern relative field factor of 1.000, regardless of the depression angle. This would be the equivalent of

having an ERP of 775 kW for Channel 15 and 1000 kW for Channel 26 directed at the ground surrounding the Hearst Tower. This is purely fictional and can never happen in practice. This anomaly is referenced in the FCC code as excerpted below from the OET-69 code file identified as “global.inc”:

```
c    mod2 - Set the vertical radiation factor to the last value
c           of the pattern array for points within 1 km of the
c           transmitter. The vertical radiation factor for
c           these points was erroneously set to unity in
c           computations for Appendix B tables of the 6th R&O
c           and the reconsideration orders.
```

This describes a correction in the FCC code called “mod2,” which was designed to fix this anomaly, but was never implemented in the FCC code. Further explanation on “mod2” is found in the OET-69 code in the file “options.inc”:

```
c    Corrections to program code since Appendix B tables of 6th
c    R&O and reconsideration orders. Per_6th_order causes all
c    these mods to be bypassed. That is, mod1, mod2, mod3 and
c    mod4 are effectively false if per_6th_order is true.
c
c    These mods are appropriate and presumably produce more
c    accurate results. Nevertheless, the FCC is currently
c    (February, 1999) processing applications for new or
c    modified facilities with per_6th_order set true.
c
c
c    :
mod2 = .false.    !Set reasonable value for vertical
                  radiation factor near TX
```

The above comments in the FCC OET-69 code indicate that the FCC’s OET-69 software uses an elevation relative field value of 1.000 for calculations to all points within 1 kilometer of the transmitter site. This is 16.5 dB greater than if the correct relative field factor of 0.15 as taken from Table 8 of OET Bulletin No. 69 were employed.

The depression angle from the WGNO-DT and WNOL-DT antenna at the Hearst site will vary from 16° to 90° from points from 1 km to the base of the Hearst tower. The normal relative field factor within this entire range is 0.15 per FCC OET Bulletin No. 69.

Clearly the use of an elevation relative field factor of 1.000 to calculate undesired signal levels within 1 km of the undesired transmitter site is erroneous. And the OET-69 software code itself states that the elevation relative field factor “was erroneously set to unity” and that the mods, or code corrections, “appropriately and presumably produce more accurate results”.

The anomaly in the FCC code did not result in predicted interference to the WBNX-CA and WTNO-LP facilities from the WGNO/WNOL tower site because there is no population located within 1 km of the WGNO/WNOL tower site. This is illustrated in Figure 3, which shows the 1-km circles around both the WGNO/WNOL tower and the Hearst tower. There are a large number of 2000 Census blocks located within 1 km of the Hearst tower, which is the reason for there being cell points for calculation within 1 km of the Heart tower site.

It is also sadly noted that the area within 1 km of the Hearst tower site is now largely devoid of population. The Chalmette area where the Hearst tower is located was subject to severe flooding as a result of the events of Hurricane Katrina in August 2005. Therefore, even if the anomaly in the analysis procedure were considered, there is now very low population located within 1 km of the Hearst tower site. So the predicted interference to WBNX-CA and WTNO-LP, when calculated incorrectly in the anomalous manner would be essentially zero.

It is concluded, that when computed correctly, taking into consideration the proper elevation pattern relative field factor of 0.15, there is no predicted interference to

WBXN-CA or WTNO-LP from either the WGNO-DT or WNOL-DT transmitting facilities at the Hearst tower site.

A handwritten signature in black ink, appearing to read "Louis R. du Treil, Jr.", written in a cursive style.

Louis R. du Treil, Jr.

du Treil, Lundin & Rackley, Inc.  
201 Fletcher Ave.  
Sarasota, FL 34237

August 13, 2007

Figure 1

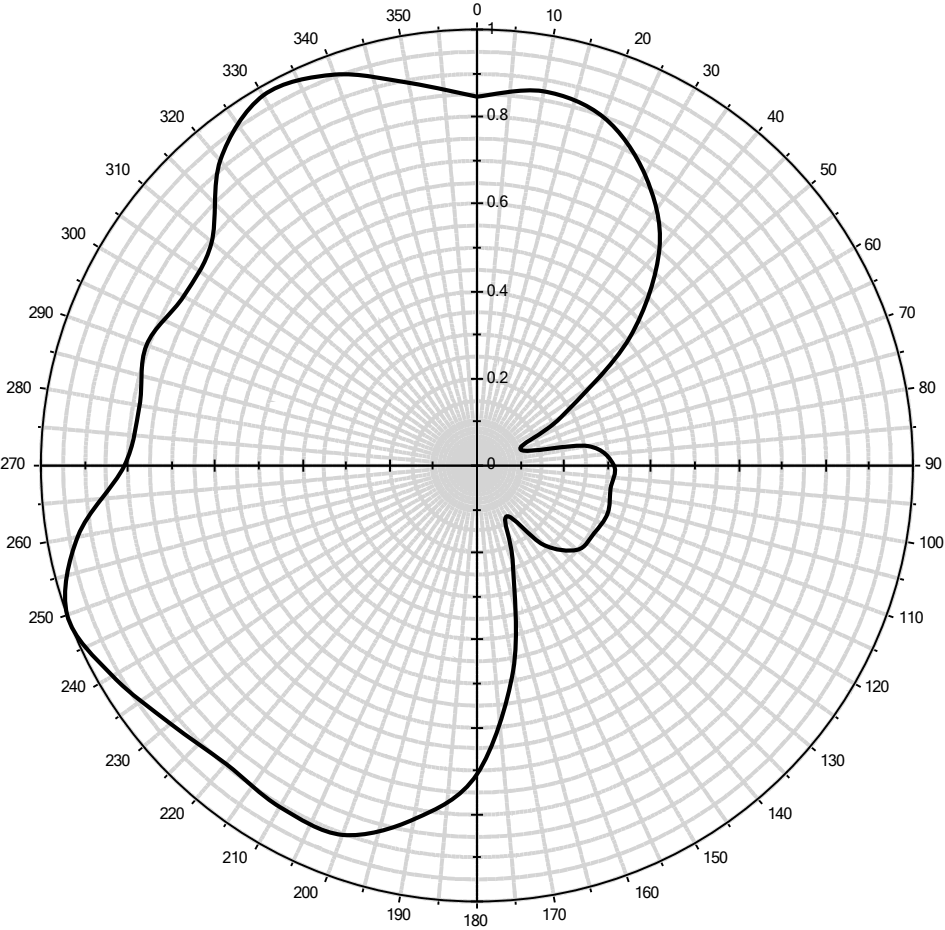
# DA Inquiry

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



**Antenna Pattern:**      **Antenna ID:**    150001

HEARST ANTENNA  
CHANNEL 15  
ERP = 775 KW  
RCAMSL = 287 M  
29-56-59 NL  
89-57-28 WL



**Note:** display reflects rotation of 0.00°

**Antenna Details:**

0°	0.846	60°	0.222	120°	0.310	180°	0.708	240°	0.965	300°	0.777
10°	0.872	70°	0.107	130°	0.300	190°	0.823	250°	1.000	310°	0.795
20°	0.850	80°	0.259	140°	0.237	200°	0.901	260°	0.929	320°	0.915
30°	0.770	90°	0.314	150°	0.135	210°	0.904	270°	0.809	330°	0.980
40°	0.651	100°	0.311	160°	0.241	220°	0.894	280°	0.786	340°	0.954
50°	0.457	110°	0.319	170°	0.477	230°	0.919	290°	0.807	350°	0.891

**Antenna Make:**    DIE

**Standard Pattern:**

**Antenna Model:**    TUF-C4SP-10/40U-1-T

**Last Change Date:**

Figure 2

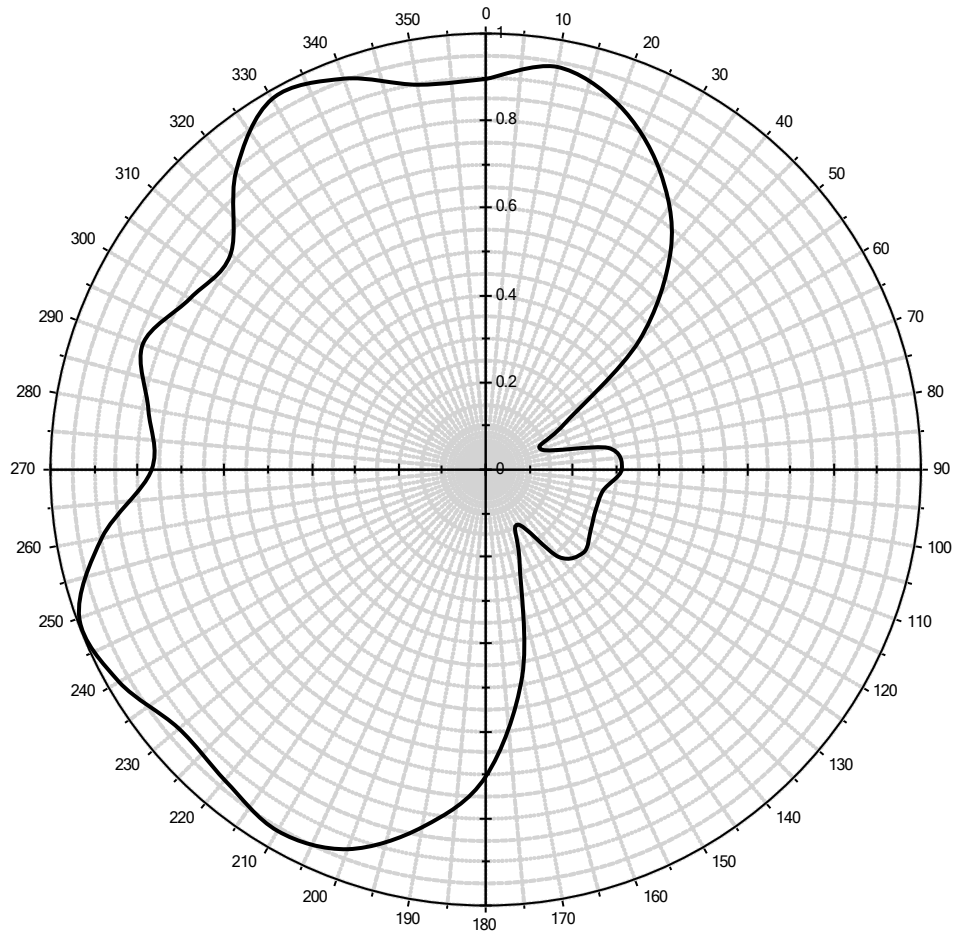
# DA Inquiry

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



**Antenna Pattern:**      **Antenna ID:**    260001

CHANNEL 26  
ERP = 1000 KW  
RCAMSL = 287 M  
29-56-59 NL  
89-57-28 WL



**Note:** display reflects rotation of 0.00°

## Antenna Details:

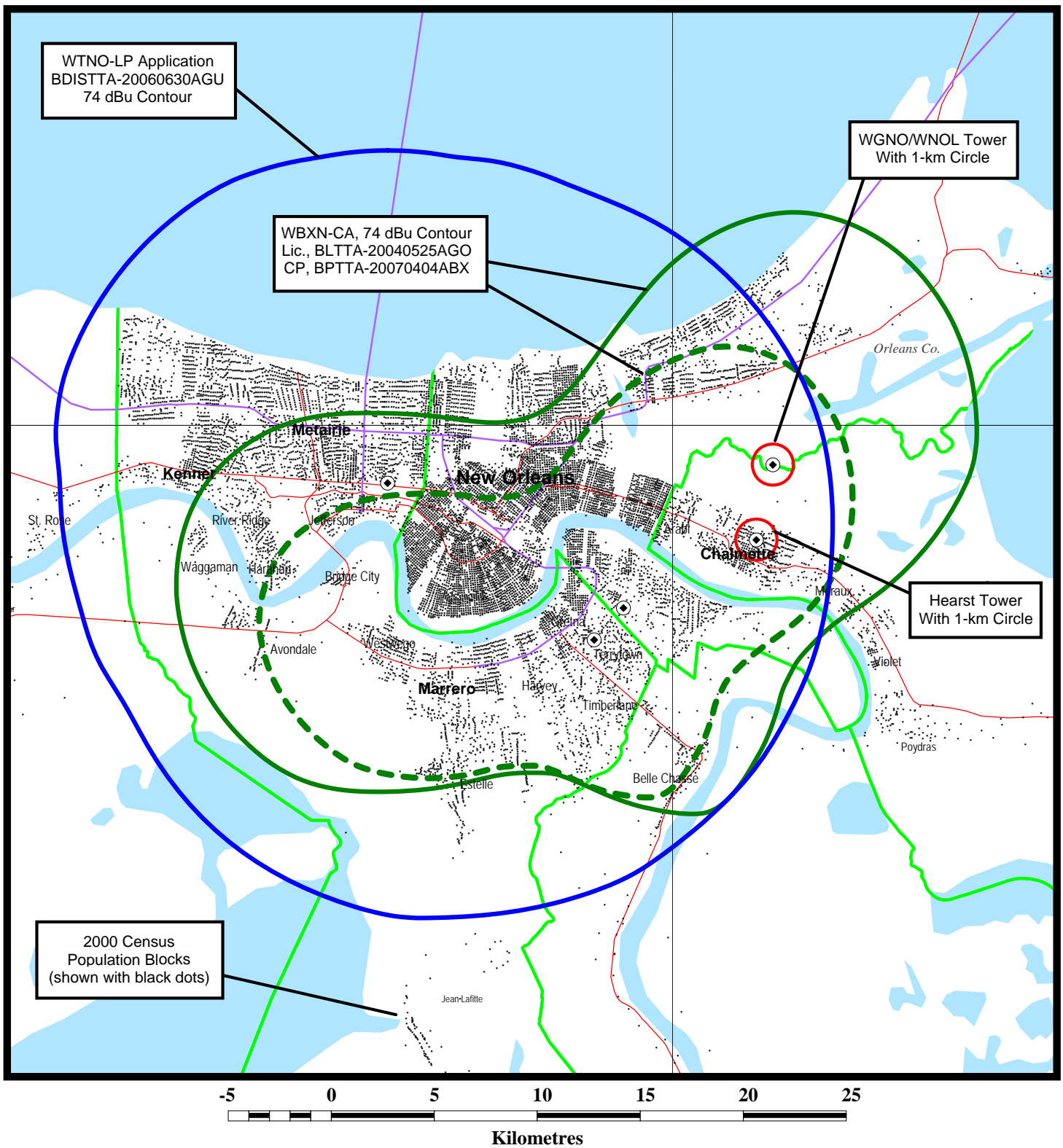
0°	0.896	60°	0.206	120°	0.278	180°	0.704	240°	0.973	300°	0.785
10°	0.938	70°	0.136	130°	0.294	190°	0.832	250°	0.994	310°	0.766
20°	0.891	80°	0.286	140°	0.262	200°	0.926	260°	0.895	320°	0.893
30°	0.796	90°	0.312	150°	0.146	210°	0.957	270°	0.768	330°	0.982
40°	0.662	100°	0.274	160°	0.228	220°	0.931	280°	0.787	340°	0.954
50°	0.459	110°	0.269	170°	0.481	230°	0.922	290°	0.839	350°	0.896

**Antenna Make:**    DIE

**Standard Pattern:**

**Antenna Model:**    TUF-C4SP-5450

**Last Change Date:**



## PREDICTED SERVICE CONTOURS FOR WBXN-CA AND WTNO-LP WITH WGNO/WNOL AND HEARST TOWER SITES

duTreil, Lundin & Rackley, Inc. Sarasota, Florida