

TECHNICAL EXHIBIT  
APPLICATION FOR DTV CONSTRUCTION PERMIT  
STATION WGNO(TV)  
NEW ORLEANS, LOUISIANA  
CH 26 1000 KW (MAX-DA) 286 M

Technical Narrative

This Technical Exhibit supports an application for digital television (DTV) station WGNO(TV) for its DTV operation at New Orleans, Louisiana. This application requests authority to modify the directional antenna. This antenna is also used by WDSU(TV) and WNOL-TV. There is no change in the proposed transmitter site, antenna radiation center or maximum effective radiated power.

The proposed WGNO(TV) effective radiated power and antenna height above average terrain complies with Section 73.622(f)(8) of the Commission's Rules.

Proposed Facilities

Station WGNO(TV) proposes to operate DTV channel 26 from its licensed DTV site. The antenna height above average terrain for the channel 26 DTV operations will remain 286 meters. An allocation study was completed to ensure no prohibited interference would occur.

The proposed DTV transmitter site will continue to be located at the existing tower site. Therefore, the proposed site location is:

29° 56' 59" North Latitude  
89° 57' 28" West Longitude

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

Figure 2 is a map showing the proposed DTV predicted coverage contour. The extent of the contours have been calculated using the normal FCC prediction method.

#### Population Served

The herein proposed WGNO(TV) facility is predicted to serve 1,730,586 persons according to the 2000 Census.

#### Allocation Considerations

The proposed WGNO(TV) Channel 26 facility meets the requirements of Section 73.623 of the FCC Rules concerning predicted interference to other facilities. 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.<sup>1</sup> Stations selected for analysis were determined pursuant to the distance requirements outlined in the FCC DTV Processing Guidelines Public Notice. The proposed facility will meet the 0.5% criterion outlined in the FCC Rules and published guidelines with respect to all considered stations.<sup>2</sup>

### Radiofrequency Electromagnetic Field Exposure

The proposed WGNO(TV) 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 WGNO(TV) antenna is located 287 meters above ground level. The maximum effective radiated power is 1000 kilowatts. A "worst case" downward relative field value of 0.5 is assumed for the antenna's downward radiation. The calculated power density at a point 2 meters above ground level is 0.1 mW/cm<sup>2</sup>. This is 29 percent of the Commission's recommended limit of 0.36 mW/cm<sup>2</sup> for channel 26 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

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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 with 0.5 km grid spacing.

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 WGNO(TV) 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

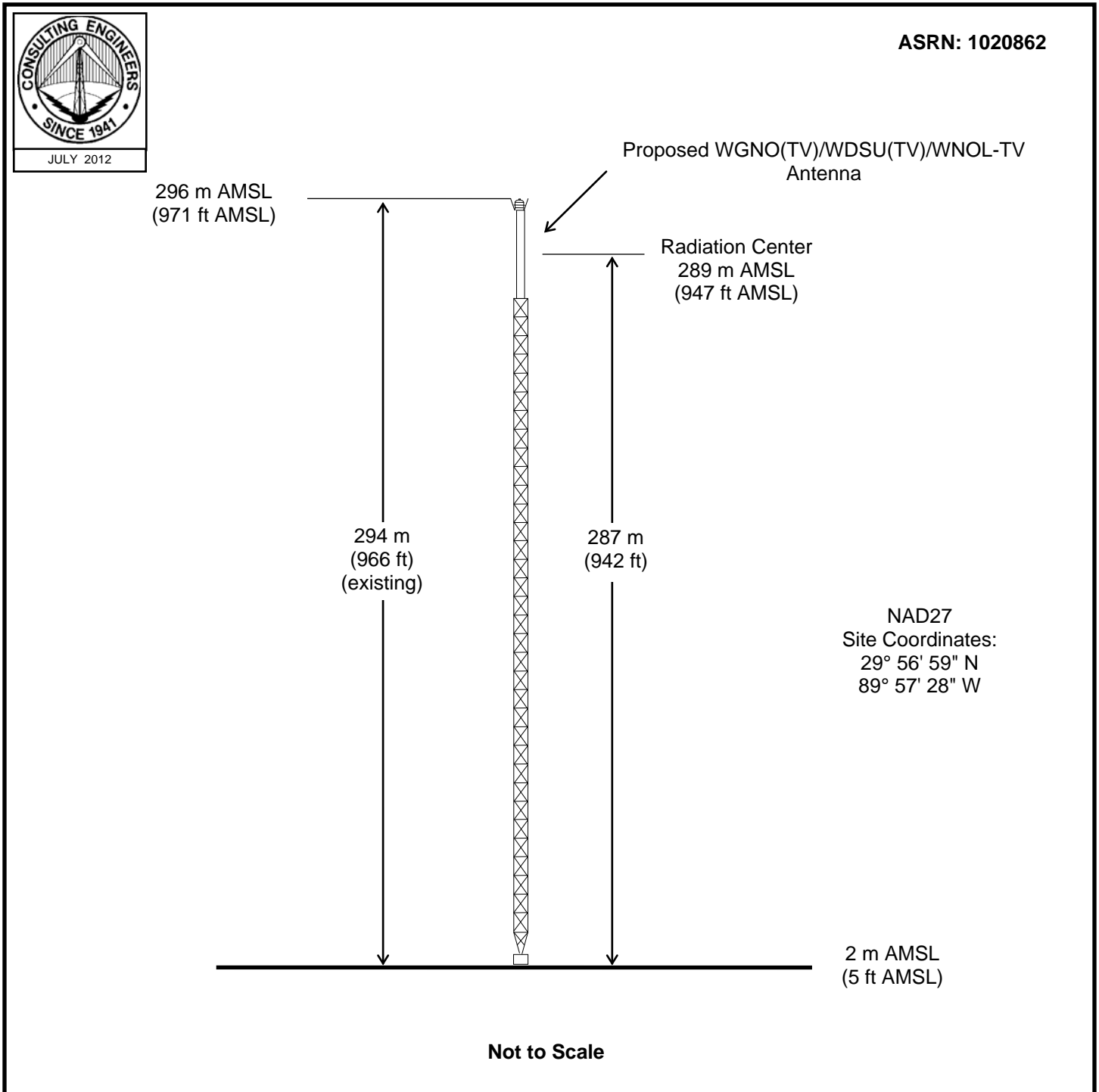
du Treil, Lundin & Rackley, Inc.  
201 Fletcher Avenue  
Sarasota, Florida 32437  
941.329.6000

July 9, 2012

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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 WGNO(TV). This properly reflects the net interference change for determining compliance with the FCC 0.5% *de minimis* standard.

Figure 1

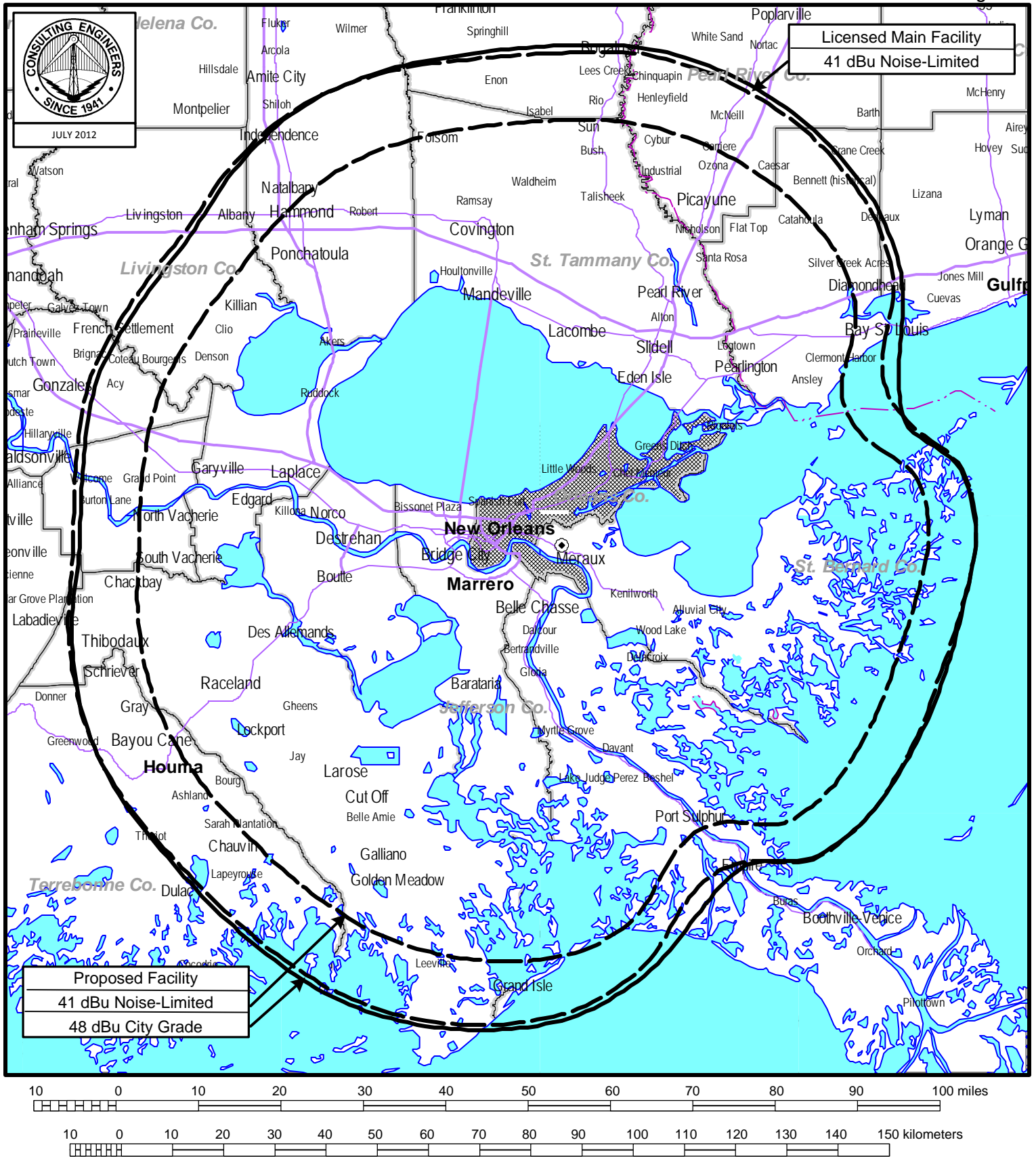


## ANTENNA AND SUPPORTING STRUCTURE

DTV STATION WGNO(TV)  
NEW ORLEANS, LOUISIANA  
CH 26 1000 KW (MAX-DA) 286 M

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

Figure 2



## PREDICTED COVERAGE CONTOURS

DTV STATION WGNO(TV)

NEW ORLEANS, LOUISIANA

CH 26 1000 KW (MAX-DA) 286 M

du Treil, Lundin & Rackley, Inc Sarasota, Florida

**Figure 3**

Percent allowed new interference: 0.500  
 Percent allowed new interference to non Class A LPTV: 2.000  
 TW Census data selected 2000  
 Data Base Selected  
 /export/home/cdb/pt\_tvdb.sff

WARNING WARNING WARNING  
 The following list of station records has been excluded from the analysis  
 due to the fact that they have the same state, city and channel as the  
 proposed station - This could cause the program to not find a potential  
 fail situation

You can force the program to include these records by setting the state  
 of the proposed record to ZZ and re-running the analysis

WGNO	26 NEW ORLEANS	LA BMPCDT	20080620ACU
WGNO	26 NEW ORLEANS	LA BLCDT	20090818AAF

#### TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-26-2012 Time: 13:15:56

Record Selected for Analysis

WGNO	USERRECORD-01	NEW ORLEANS	LA US
Channel	26 ERP 1000. kW	HAAT 286. m	RCAMSL 00287 m
Latitude	029-56-59	Longitude	0089-57-28
Status	APP	Zone 2	Border
Dir Antenna	Make	usr	Model 00000000006018
Last update	Cutoff date	Docket	Ref Azimuth 0.
Comments			
Applicant			

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility (site # 01) meets maximum height/power limits

Site number	1
Azimuth	ERP
(Deg)	(kW)
0.0	697.225
45.0	258.572
90.0	97.344
135.0	78.680
180.0	439.569
225.0	777.924
270.0	665.856
315.0	762.129

HAAT	41.0 dBu F(50,90)
(m)	(km)
286.9	91.6
287.0	83.1
286.8	77.0
285.3	75.7
285.6	87.1
286.9	92.7
285.4	91.0
286.9	92.5

Evaluation toward Class A Stations from site # 01

Station inside contour of Class A station	
WBXN-CA 18 NEW ORLEANS	LA BLTTA 20080222ACQ

Station inside contour of Class A station	
WTNO-LP 22 NEW ORLEANS	LA BSTA 20110513AEN

Station inside contour of Class A station

Figure 3

WTNO-LP 22 NEW ORLEANS LA BLTTA 20110610ACK

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WGNO 26 NEW ORLEANS LA USERRECORD01 Site # 01

and station

SHORT TO: WGNO 26 NEW ORLEANS LA DTVPLN DTVP0943  
29 -56-59 89 -57-28  
Req. separation 223.7 Actual separation 0.0 Short 223.7 km

LANDMOBILE SPACING VIOLATIONS FOUND

NONE from Site # 01

Checks to Site Number 01

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is 1.67km from AM station  
NEW ORLEANS LA WTX Status: L Antenna: DA2

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Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
26	WGNO	NEW ORLEANS LA	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	WBXN-CA	NEW ORLEANS LA	9.2	LIC	BLTTA	20080222ACQ
22	KWBJ-CD	MORGAN CITY LA	122.9	CP	BDISTTA	20090204ACQ
22	WTNO-LP	NEW ORLEANS LA	18.1	APP	BSTA	20110513AEN
22	WTNO-LP	NEW ORLEANS LA	18.1	LIC	BLTTA	20110610ACK
23	WSTY-LP	HAMMOND LA	78.4	APP	BSTA	20101129AAY
25	WFNA	GULF SHORES AL	222.8	LIC	BLCDT	20100614AQJ
25	WLPB-TV	BATON ROUGE LA	128.7	LIC	BLEDT	20101201ALR
26	KLPA-TV	ALEXANDRIA LA	305.7	LIC	BLEDT	20100811AAY
27	WKRG-TV	MOBILE AL	220.0	LIC	BLCDT	20100125ADI

%%%

Analysis of Interference to Affected Station 1



**Figure 3**

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
18	WBXN-CA	NEW ORLEANS LA	BLTTA -20080222ACQ

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
15	WNOL-TV	NEW ORLEANS LA	12.1	CP MOD	BMPCDT -20080620ADC
15	WNOL-TV	NEW ORLEANS LA	9.2	LIC	BLCDT -20090818AAG
16	WMAH-TV	BILOXI MS	141.1	LIC	BLEDT -20110404AGM
18	WMAU-TV	BUDE MS	176.7	LIC	BLEDT -20090327ABW
21	WHNO	NEW ORLEANS LA	2.1	LIC	BLCDT -20050413AAK
25	WLPB-TV	BATON ROUGE LA	123.4	LIC	BLEDT -20101201ALR
26	WGNO	NEW ORLEANS LA	9.2	PLN	DTVPLN -DTVP0943
26	WGNO	NEW ORLEANS LA	9.2	APP	USERRECORD-01

Proposal causes no interference

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## Analysis of Interference to Affected Station 2

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
22	KWBJ-CD	MORGAN CITY LA	BDISTTA -20090204ACQ

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
15	WNOL-TV	NEW ORLEANS LA	124.5	CP MOD	BMPCDT -20080620ADC
15	WNOL-TV	NEW ORLEANS LA	122.9	LIC	BLCDT -20090818AAG
21	WHNO	NEW ORLEANS LA	115.9	LIC	BLCDT -20050413AAK
22	KWBJ-LD	MORGAN CITY LA	0.0	LIC	BLDTL -20080911AAP
22	KDCG-CD	OPELOUSAS LA	100.4	CP	BPDTA -20110824ABC
22	WHLT	HATTIESBURG MS	265.6	LIC	BLCDT -20091216AAL
23	KLPB-TV	LAFAYETTE LA	123.4	LIC	BLEDT -20031117ACC
23	KLPB-TV	LAFAYETTE LA	123.4	CP MOD	BMPEDT -20120117ADJ
24	WUPL	SLIDELL LA	115.9	LIC	BLCDT -20040812AAA
25	WLPB-TV	BATON ROUGE LA	72.5	LIC	BLEDT -20101201ALR
26	WGNO	NEW ORLEANS LA	122.9	PLN	DTVPLN -DTVP0943
29	WVUE-DR	NEW ORLEANS LA	123.8	APP	BPRM -20090528AFA
29	WVUE-DT	NEW ORLEANS LA	123.8	LIC	BLCDT -20110502AEC
36	WWL-TV	NEW ORLEANS LA	114.3	LIC	BLCDT -20080730AKH
26	WGNO	NEW ORLEANS LA	122.9	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 3

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
22	WTNO-LP	NEW ORLEANS LA	BSTA -20110513AEN

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
15	WNOL-TV	NEW ORLEANS LA	18.7	CP MOD	BMPCDT -20080620ADC
15	WNOL-TV	NEW ORLEANS LA	18.1	LIC	BLCDT -20090818AAG
21	WHNO	NEW ORLEANS LA	12.9	LIC	BLCDT -20050413AAK
22	KWBJ-CD	MORGAN CITY LA	106.2	LIC	BLDTA -20090512AAZ
22	KWBJ-LD	MORGAN CITY LA	106.2	LIC	BLDTL -20080911AAP
22	WHLT	HATTIESBURG MS	181.1	LIC	BLCDT -20091216AAL
24	WUPL	SLIDELL LA	12.9	LIC	BLCDT -20040812AAA
25	WLPB-TV	BATON ROUGE LA	111.2	LIC	BLEDT -20101201ALR
26	WGNO	NEW ORLEANS LA	18.1	PLN	DTVPLN -DTVP0943

**Figure 3**

29	WVUE-DR	NEW ORLEANS LA	18.8	APP	BPRM	-20090528AFA
29	WVUE-DT	NEW ORLEANS LA	18.8	LIC	BLCDT	-20110502AEC
36	WWL-TV	NEW ORLEANS LA	12.6	LIC	BLCDT	-20080730AKH
26	WGNO	NEW ORLEANS LA	18.1	APP	USERRECORD-01	

Total scenarios = 1

Result key: 1  
Scenario 1 Affected station 3  
Before Analysis

Results for: 22N LA NEW ORLEANS	BSTA	20110513AEN	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	976076	1288.4	
not affected by terrain losses	976076	1288.4	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	11343	4.0	
lost to all IX	11343	4.0	

Potential Interfering Stations Included in above Scenario 1

26A LA NEW ORLEANS	DTVPLN	DTVP0943	PLN
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After Analysis

Results for: 22N LA NEW ORLEANS	BSTA	20110513AEN	APP
	POPULATION	AREA (sq km)	
within Noise Limited Contour	976076	1288.4	
not affected by terrain losses	976076	1288.4	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	11343	4.0	
lost to all IX	11343	4.0	

Potential Interfering Stations Included in above Scenario 1

26A LA NEW ORLEANS	USERRECORD01	APP
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Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
22	WTNO-LP	NEW ORLEANS LA	BLTTA	-20110610ACK

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
15	WNOL-TV	NEW ORLEANS LA	18.7	CP MOD	BMPCDT	-20080620ADC
15	WNOL-TV	NEW ORLEANS LA	18.1	LIC	BLCDT	-20090818AAG
21	WHNO	NEW ORLEANS LA	12.9	LIC	BLCDT	-20050413AAK
22	KWBJ-CD	MORGAN CITY LA	106.2	LIC	BLDTA	-20090512AAZ
22	KWBJ-LD	MORGAN CITY LA	106.2	LIC	BLDTL	-20080911AAP
22	WHLT	HATTIESBURG MS	181.1	LIC	BLCDT	-20091216AAL
24	WUPL	SLIDELL LA	12.9	LIC	BLCDT	-20040812AAA
25	WLPB-TV	BATON ROUGE LA	111.2	LIC	BLEDT	-20101201ALR
26	WGNO	NEW ORLEANS LA	18.1	PLN	DTVP0943	-DTVP0943
29	WVUE-DR	NEW ORLEANS LA	18.8	APP	BPRM	-20090528AFA
29	WVUE-DT	NEW ORLEANS LA	18.8	LIC	BLCDT	-20110502AEC
36	WWL-TV	NEW ORLEANS LA	12.6	LIC	BLCDT	-20080730AKH
26	WGNO	NEW ORLEANS LA	18.1	APP	USERRECORD-01	

Total scenarios = 1

**Figure 3**

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Result key:      2
Scenario        1 Affected station      4
Before Analysis

Results for: 22N LA NEW ORLEANS          BLTTA      20110610ACK LIC
              POPULATION  AREA (sq km)
  within Noise Limited Contour      967383      1131.4
  not affected by terrain losses      967383      1131.4
  lost to NTSC IX                     0          0.0
  lost to additional IX by ATV        11343        4.0
  lost to all IX                     11343        4.0

  Potential Interfering Stations Included in above Scenario      1

26A LA NEW ORLEANS          DTVPLN      DTVP0943      PLN

After Analysis

Results for: 22N LA NEW ORLEANS          BLTTA      20110610ACK LIC
              POPULATION  AREA (sq km)
  within Noise Limited Contour      967383      1131.4
  not affected by terrain losses      967383      1131.4
  lost to NTSC IX                     0          0.0
  lost to additional IX by ATV        11343        4.0
  lost to all IX                     11343        4.0

  Potential Interfering Stations Included in above Scenario      1

26A LA NEW ORLEANS          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      5

Analysis of current record
Channel      Call      City/State      Application Ref. No.
  23      WSTY-LP      HAMMOND LA      BSTA      -20101129AAY

  Stations Potentially Affecting This Station

Chan      Call      City/State      Dist(km) Status      Application Ref. No.
  15      WNOL-TV      NEW ORLEANS LA      76.2      CP MOD      BMPCDT      -20080620ADC
  15      WNOL-TV      NEW ORLEANS LA      78.4      LIC      BLCDT      -20090818AAG
  21      WHNO      NEW ORLEANS LA      77.2      LIC      BLCDT      -20050413AAK
  23      WDPM-DT      MOBILE AL      275.8      CP MOD      BMPCDT      -20081110AAA
  23      KLPB-TV      LAFAYETTE LA      173.2      LIC      BLEDT      -20031117ACC
  23      KLPB-TV      LAFAYETTE LA      173.3      CP MOD      BMPEDT      -20120117ADJ
  23      WWJX      JACKSON MS      174.6      LIC      BLCDT      -20110824ABD
  23      WWJX-DR      JACKSON MS      174.6      APP      BPRM      -20100806ACK
  24      WUPL      SLIDELL LA      77.2      LIC      BLCDT      -20040812AAA
  25      WLPB-TV      BATON ROUGE LA      70.1      LIC      BLEDT      -20101201ALR
  26      WGNO      NEW ORLEANS LA      78.4      PLN      DTVPLN      -DTVP0943
  31      WLAE-TV      NEW ORLEANS LA      76.0      LIC      BLEDT      -20090205AAL
  26      WGNO      NEW ORLEANS LA      78.4      APP      USERRECORD-01

  Proposed station is beyond the site to
  nearest cell evaluation distance

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  Analysis of Interference to Affected Station      6

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**Figure 3**

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
25	WFNA	GULF SHORES AL	BLCDT	-20100614AQJ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
24	WMDN	MERIDIAN MS	201.0	LIC	BLCDT	-20090304ADW
25	WLPB-TV	BATON ROUGE LA	328.0	LIC	BLEDT	-20101201ALR
25	WMAO-TV	GREENWOOD MS	395.1	LIC	BLEDT	-20090612AAI
26	WGNO	NEW ORLEANS LA	222.8	PLN	DTVPLN	-DTVP0943
26	WGNO	NEW ORLEANS LA	222.8	APP	USERRECORD-01	

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
25	WLPB-TV	BATON ROUGE LA	BLEDT	-20101201ALR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
24	WUPL	SLIDELL LA	124.1	LIC	BLCDT	-20040812AAA
25	WFNA	GULF SHORES AL	328.0	LIC	BLCDT	-20100614AQJ
25	WMAO-TV	GREENWOOD MS	339.6	LIC	BLEDT	-20090612AAI
25	KFDM	BEAUMONT TX	267.6	LIC	BLCDT	-20110513ABB
25	KFDM-DR	BEAUMONT TX	267.6	APP	BPRM	-20100120ADA
26	KLPA-TV	ALEXANDRIA LA	184.3	LIC	BLEDT	-20100811AAY
26	WGNO	NEW ORLEANS LA	128.7	PLN	DTVPLN	-DTVP0943
26	WGNO	NEW ORLEANS LA	128.7	APP	USERRECORD-01	

Total scenarios = 1

Result key: 3

Scenario 1 Affected station 7

Before Analysis

Results for: 25A LA BATON ROUGE BLEDT 20101201ALR LIC

HAAT 309.0 m, ATV ERP 355.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1090574	21765.6
not affected by terrain losses	1090465	21721.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7174	236.5
lost to ATV IX only	7174	236.5
lost to all IX	7174	236.5

Potential Interfering Stations Included in above Scenario 1

24A LA SLIDELL	BLCDT	20040812AAA	LIC
25A MS GREENWOOD	BLEDT	20090612AAI	LIC
26A LA NEW ORLEANS	DTVPLN	DTVP0943	PLN

After Analysis

Results for: 25A LA BATON ROUGE BLEDT 20101201ALR LIC

HAAT 309.0 m, ATV ERP 355.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1090574	21765.6
not affected by terrain losses	1090465	21721.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7350	260.5
lost to ATV IX only	7350	260.5

**Figure 3**

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lost to all IX                      7350          260.5

Potential Interfering Stations Included in above Scenario      1

24A LA SLIDELL          BLCDT      20040812AAA  LIC
25A MS GREENWOOD       BLEDT      20090612AAI  LIC
26A LA NEW ORLEANS     USERRECORD01      APP

Percent new IX =      0.0162%

Worst case new IX      0.0162% Scenario      1

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Analysis of Interference to Affected Station      8

Analysis of current record
Channel      Call      City/State      Application Ref. No.
  26      KLPA-TV      ALEXANDRIA LA      BLEDT      -20100811AAAY

Stations Potentially Affecting This Station

Chan      Call      City/State      Dist(km) Status      Application Ref. No.
  25      WLPB-TV      BATON ROUGE LA      184.3  LIC      BLEDT      -20101201ALR
  25      KFDM      BEAUMONT TX      209.2  LIC      BLCDT      -20110513ABB
  25      KFDM-DR      BEAUMONT TX      209.2  APP      BPRM      -20100120ADA
  26      KVTH-DT      HOT SPRINGS AR      315.4  LIC      BLCDT      -20090209ANJ
  26      WGNO      NEW ORLEANS LA      305.7  PLN      DTVPLN      -DTVP0943
  26      KRIV      HOUSTON TX      358.4  LIC      BLCDT      -20111212AHM
  27      KTVE      EL DORADO AR      170.8  LIC      BLCDT      -20070105ABH
  26      WGNO      NEW ORLEANS LA      305.7  APP      USERRECORD-01
Proposal causes no interference

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Analysis of Interference to Affected Station      9

Analysis of current record
Channel      Call      City/State      Application Ref. No.
  27      WKRG-TV      MOBILE AL      BLCDT      -20100125ADI

Stations Potentially Affecting This Station

Chan      Call      City/State      Dist(km) Status      Application Ref. No.
  26      WGNO      NEW ORLEANS LA      220.0  PLN      DTVPLN      -DTVP0943
  27      WAIQ      MONTGOMERY AL      238.0  LIC      BLEDT      -20060706ACK
  27      WTXL-TV      TALLAHASSEE FL      369.1  LIC      BLCDT      -20090217ABY
  26      WGNO      NEW ORLEANS LA      220.0  APP      USERRECORD-01
Proposal causes no interference

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Analysis of Interference to Affected Station      10

Analysis of current record
Channel      Call      City/State      Application Ref. No.
  26      WGNO      NEW ORLEANS LA      USERRECORD-01

Stations Potentially Affecting This Station

Chan      Call      City/State      Dist(km) Status      Application Ref. No.
  25      WFNA      GULF SHORES AL      222.8  LIC      BLCDT      -20100614AQJ
  25      WLPB-TV      BATON ROUGE LA      128.7  LIC      BLEDT      -20101201ALR
  26      KLPA-TV      ALEXANDRIA LA      305.7  LIC      BLEDT      -20100811AAAY
  27      WKRG-TV      MOBILE AL      220.0  LIC      BLCDT      -20100125ADI

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**Figure 3**

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Total scenarios = 1

Result key: 4
Scenario 1 Affected station 10
Before Analysis

Results for: 26A LA NEW ORLEANS USERRECORD01 APP
HAAT 286.0 m, ATV ERP 1000.0 kW
      POPULATION  AREA (sq km)
within Noise Limited Contour 1730845 24458.6
not affected by terrain losses 1730837 24454.6
lost to NTSC IX 0 0.0
lost to additional IX by ATV 241 16.1
lost to ATV IX only 241 16.1
lost to all IX 241 16.1

Potential Interfering Stations Included in above Scenario 1

25A LA BATON ROUGE BLEDT 20101201ALR LIC
#####
FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED
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# APPENDIX

## TRANSMITTING ANTENNA VERTICAL AND HORIZONTAL PLANE PATTERNS

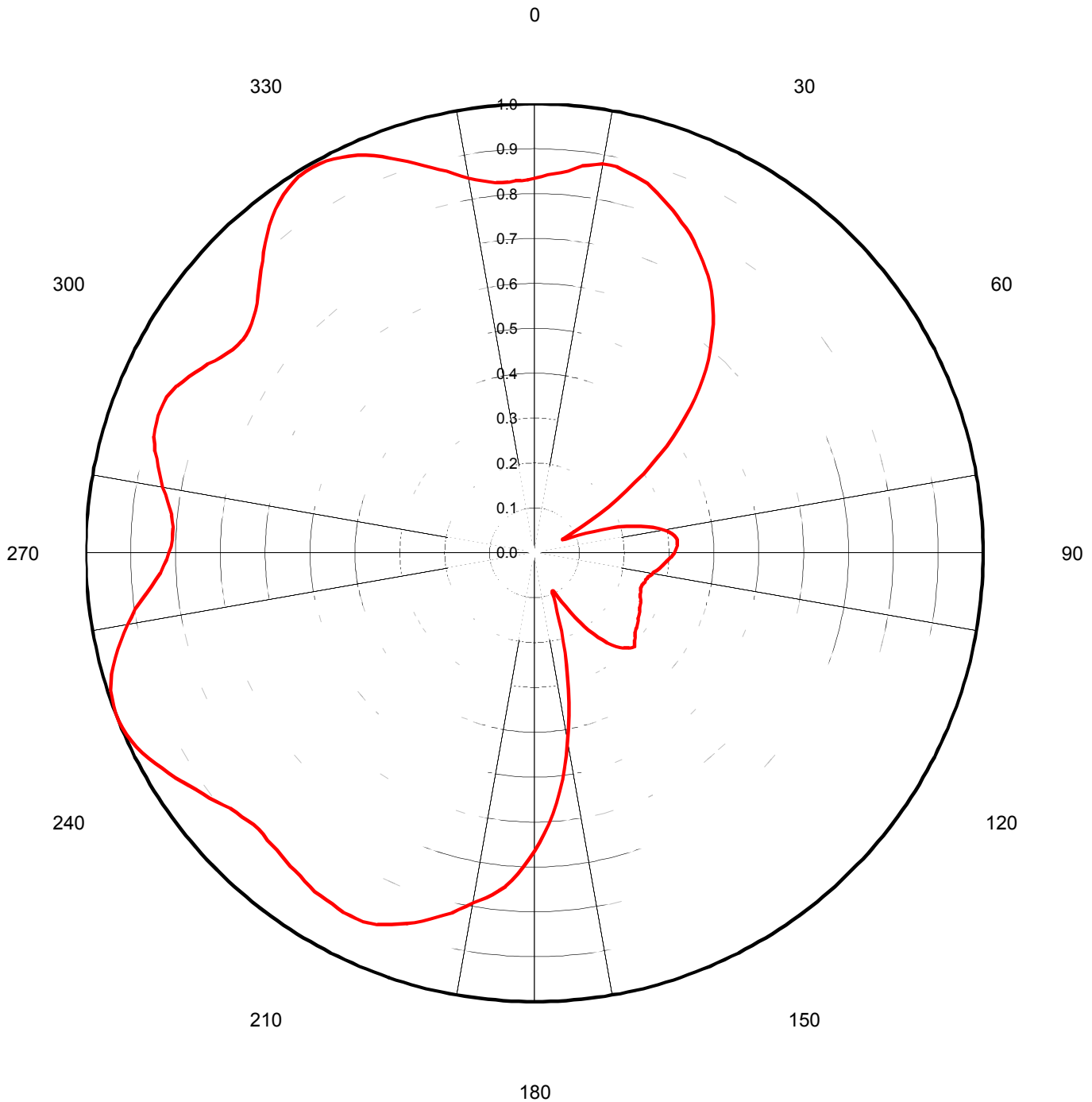


Proposal Number	<b>C-00956</b>	Revision:	<b>2</b>
Date	<b>19-June-12</b>		
Call Letters	<b>WGNO</b>	Channel	<b>26</b>
Location	<b>New Orleans, LA</b>		
Customer	<b>Tribune</b>		
Antenna Type	<b>TUF-C4SP-10/32U-1-T</b>		

### AZIMUTH PATTERN

Gain	<b>2.00</b>	<b>( 3.01 dB)</b>
Calculated / Measured	<b>Calculated</b>	

Frequency	<b>545.00 MHz</b>
Drawing #	<b>WGNO 9-10-9-4 CH26</b>







Proposal Number **C-00956** Revision: **2**  
 Date **19-June-12**  
 Call Letters **WGNO** Channel **26**  
 Location **New Orleans, LA**  
 Customer **Tribune**  
 Antenna Type **TUF-C4SP-10/32U-1-T**

## TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing #: **WGNO 9-10-9-4 CH26**

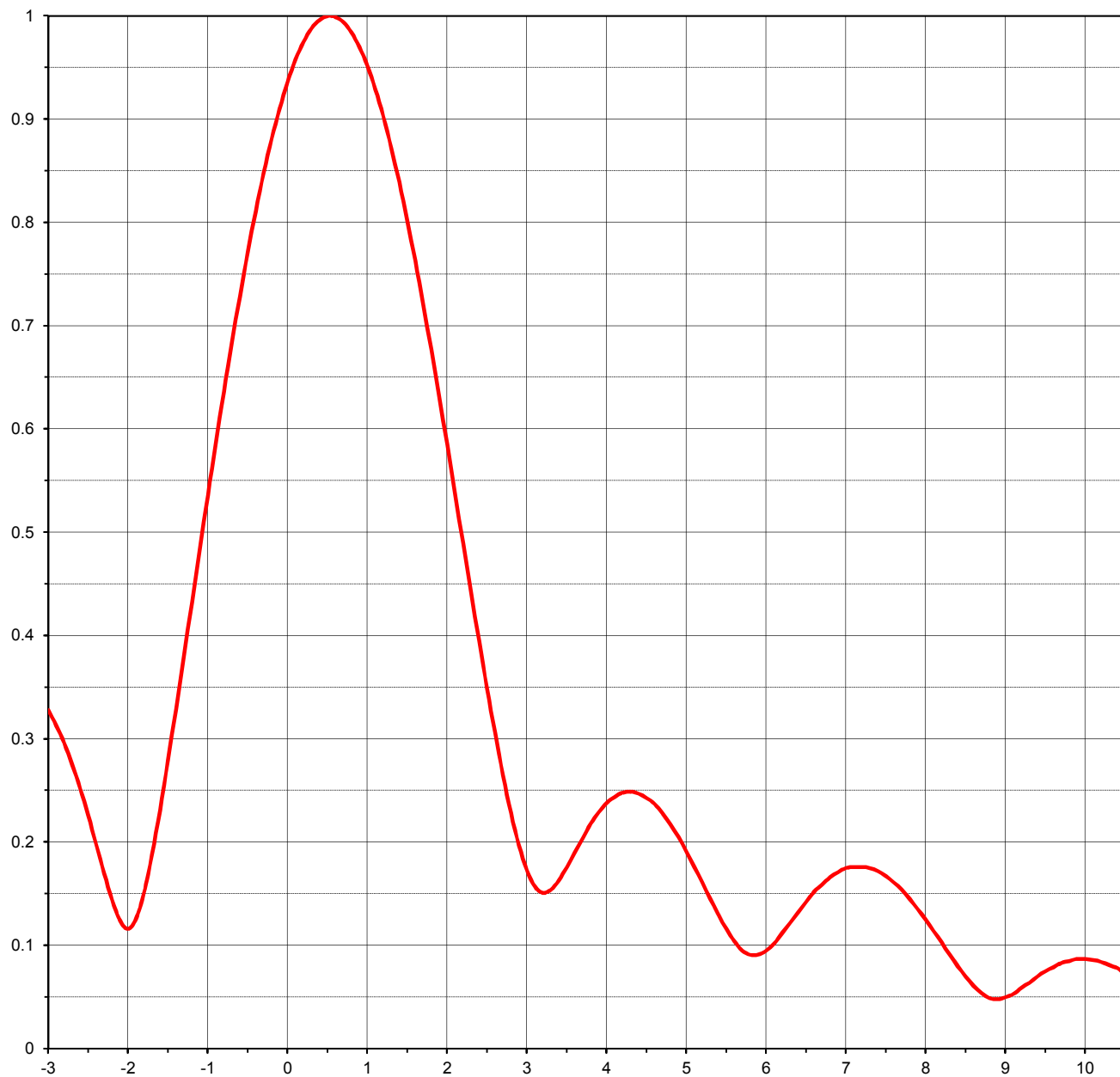
Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	0.835	45	0.519	90	0.312	135	0.300	180	0.663	225	0.870	270	0.816	315	0.865
1	0.838	46	0.497	91	0.307	136	0.295	181	0.682	226	0.871	271	0.811	316	0.877
2	0.843	47	0.475	92	0.303	137	0.290	182	0.699	227	0.874	272	0.808	317	0.889
3	0.846	48	0.452	93	0.298	138	0.284	183	0.716	228	0.878	273	0.807	318	0.903
4	0.850	49	0.428	94	0.294	139	0.276	184	0.731	229	0.881	274	0.808	319	0.915
5	0.854	50	0.403	95	0.290	140	0.268	185	0.746	230	0.885	275	0.811	320	0.928
6	0.861	51	0.378	96	0.286	141	0.257	186	0.757	231	0.892	276	0.814	321	0.939
7	0.868	52	0.353	97	0.281	142	0.246	187	0.767	232	0.900	277	0.819	322	0.950
8	0.872	53	0.327	98	0.275	143	0.236	188	0.776	233	0.907	278	0.826	323	0.960
9	0.876	54	0.301	99	0.271	144	0.223	189	0.784	234	0.913	279	0.833	324	0.968
10	0.880	55	0.274	100	0.267	145	0.210	190	0.792	235	0.920	280	0.842	325	0.975
11	0.880	56	0.247	101	0.263	146	0.197	191	0.802	236	0.928	281	0.848	326	0.981
12	0.880	57	0.221	102	0.258	147	0.183	192	0.812	237	0.936	282	0.855	327	0.986
13	0.876	58	0.195	103	0.256	148	0.169	193	0.823	238	0.944	283	0.861	328	0.990
14	0.872	59	0.169	104	0.255	149	0.153	194	0.831	239	0.952	284	0.868	329	0.991
15	0.869	60	0.144	105	0.254	150	0.137	195	0.840	240	0.959	285	0.875	330	0.992
16	0.865	61	0.121	106	0.252	151	0.124	196	0.849	241	0.967	286	0.880	331	0.991
17	0.861	62	0.100	107	0.250	152	0.112	197	0.857	242	0.974	287	0.887	332	0.989
18	0.853	63	0.084	108	0.249	153	0.102	198	0.866	243	0.981	288	0.890	333	0.985
19	0.845	64	0.072	109	0.250	154	0.095	199	0.873	244	0.987	289	0.891	334	0.981
20	0.837	65	0.069	110	0.251	155	0.094	200	0.880	245	0.991	290	0.894	335	0.975
21	0.830	66	0.076	111	0.253	156	0.099	201	0.887	246	0.995	291	0.893	336	0.969
22	0.823	67	0.089	112	0.254	157	0.109	202	0.893	247	0.999	292	0.892	337	0.962
23	0.814	68	0.105	113	0.256	158	0.123	203	0.900	248	1.000	293	0.890	338	0.954
24	0.806	69	0.122	114	0.259	159	0.140	204	0.903	249	1.000	294	0.885	339	0.945
25	0.799	70	0.140	115	0.261	160	0.160	205	0.906	250	0.998	295	0.880	340	0.936
26	0.790	71	0.160	116	0.262	161	0.183	206	0.906	251	0.996	296	0.872	341	0.927
27	0.781	72	0.179	117	0.263	162	0.207	207	0.906	252	0.993	297	0.865	342	0.918
28	0.770	73	0.196	118	0.266	163	0.232	208	0.907	253	0.987	298	0.857	343	0.908
29	0.760	74	0.213	119	0.268	164	0.258	209	0.905	254	0.980	299	0.849	344	0.898
30	0.750	75	0.229	120	0.270	165	0.286	210	0.903	255	0.972	300	0.842	345	0.889
31	0.739	76	0.244	121	0.271	166	0.313	211	0.901	256	0.963	301	0.832	346	0.881
32	0.729	77	0.258	122	0.272	167	0.341	212	0.900	257	0.953	302	0.824	347	0.873
33	0.717	78	0.270	123	0.275	168	0.370	213	0.900	258	0.943	303	0.817	348	0.864
34	0.704	79	0.282	124	0.277	169	0.399	214	0.896	259	0.932	304	0.811	349	0.855
35	0.691	80	0.293	125	0.279	170	0.427	215	0.893	260	0.921	305	0.808	350	0.848
36	0.677	81	0.302	126	0.281	171	0.455	216	0.889	261	0.910	306	0.805	351	0.842
37	0.663	82	0.309	127	0.282	172	0.482	217	0.887	262	0.899	307	0.805	352	0.837
38	0.647	83	0.314	128	0.285	173	0.509	218	0.885	263	0.884	308	0.808	353	0.833
39	0.631	84	0.317	129	0.289	174	0.535	219	0.881	264	0.870	309	0.812	354	0.829
40	0.614	85	0.319	130	0.293	175	0.560	220	0.879	265	0.858	310	0.818	355	0.827
41	0.597	86	0.320	131	0.296	176	0.583	221	0.876	266	0.846	311	0.824	356	0.828
42	0.579	87	0.319	132	0.300	177	0.605	222	0.875	267	0.835	312	0.832	357	0.830
43	0.560	88	0.316	133	0.305	178	0.625	223	0.874	268	0.827	313	0.842	358	0.830
44	0.540	89	0.314	134	0.303	179	0.645	224	0.872	269	0.820	314	0.853	359	0.832



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Location	<b>New Orleans, LA</b>		
Customer	<b>Tribune</b>		
Antenna Type	<b>TUF-C4SP-10/32U-1-T</b>		

### ELEVATION PATTERN (10 layers @ 290 deg)

RMS Gain at Main Lobe	<b>19.30 ( 12.86 dB )</b>	Beam Tilt	<b>0.50 deg</b>
RMS Gain at Horizontal	<b>16.90 ( 12.28 dB )</b>	Frequency	<b>545.00 MHz</b>
Calculated / Measured	<b>Calculated</b>	Drawing #	<b>10U201050</b>

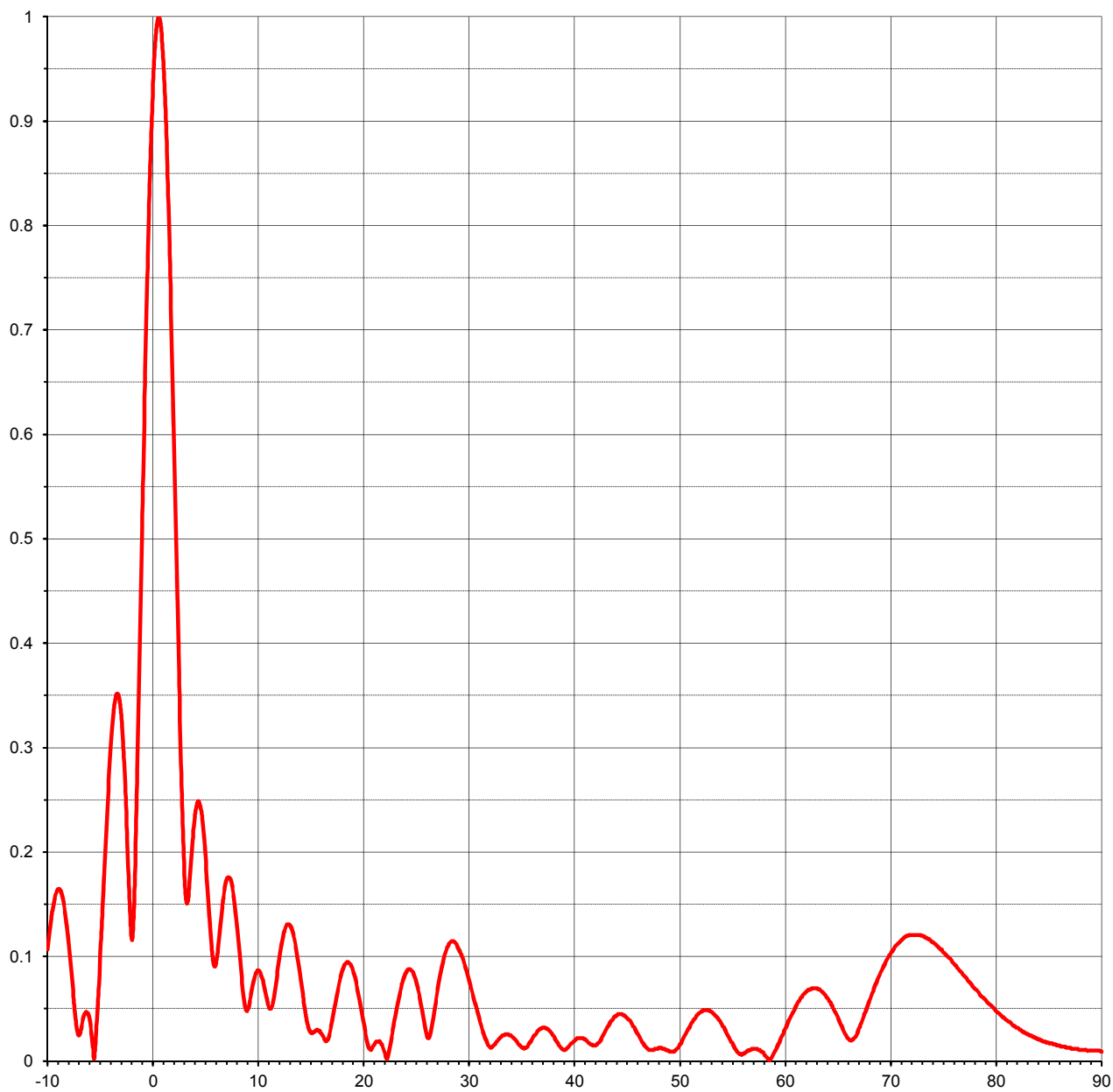




Proposal Number	<b>C-00956</b>	Revision:	<b>2</b>
Date	<b>19-June-12</b>		
Call Letters	<b>WGNO</b>	Channel	<b>26</b>
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RMS Gain at Horizontal	<b>16.90 ( 12.28 dB )</b>	Frequency	<b>545.00 MHz</b>
Calculated / Measured	<b>Calculated</b>	Drawing #	<b>10U201050-90</b>





Proposal Number **C-00956** Revision **2**  
 Date **19-June-12**  
 Call Letters **WGNO** Channel **26**  
 Location **New Orleans, LA**  
 Customer **Tribune**  
 Antenna Type **TUF-C4SP-10/32U-1-T**

## TABULATION OF ELEVATION PATTERN (10 layers @ 290 deg)

Elevation Pattern Drawing #: **10U201050-90**

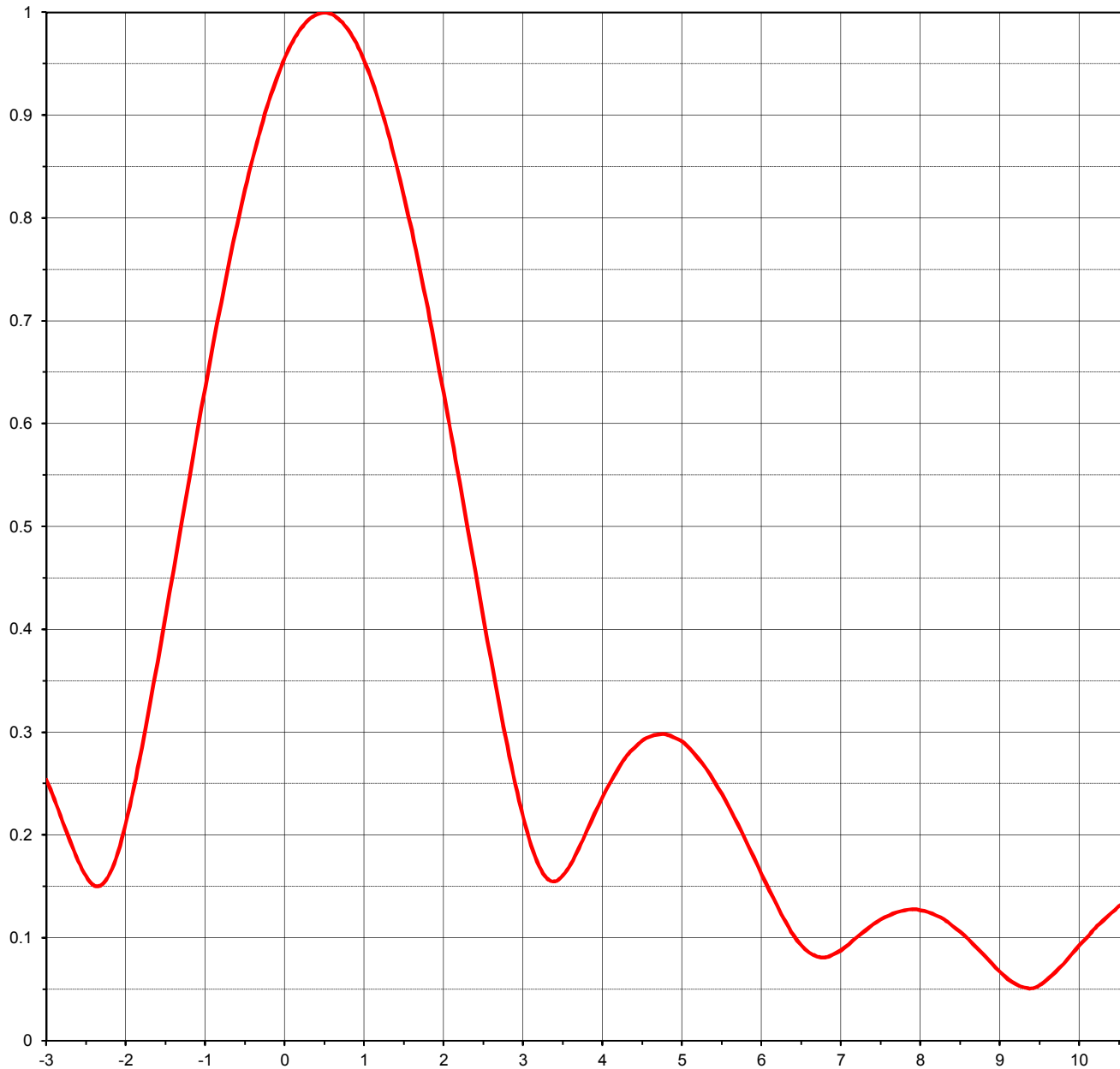
Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.107	2.4	0.395	10.6	0.073	30.5	0.061	51.0	0.033	71.5	0.120
-9.5	0.147	2.6	0.306	10.8	0.063	31.0	0.042	51.5	0.041	72.0	0.121
-9.0	0.165	2.8	0.228	11.0	0.054	31.5	0.025	52.0	0.047	72.5	0.121
-8.5	0.152	3.0	0.173	11.5	0.058	32.0	0.014	52.5	0.049	73.0	0.120
-8.0	0.112	3.2	0.151	12.0	0.093	32.5	0.016	53.0	0.048	73.5	0.117
-7.5	0.056	3.4	0.163	12.5	0.123	33.0	0.022	53.5	0.043	74.0	0.114
-7.0	0.025	3.6	0.190	13.0	0.131	33.5	0.026	54.0	0.036	74.5	0.109
-6.5	0.045	3.8	0.218	13.5	0.117	34.0	0.025	54.5	0.027	75.0	0.104
-6.0	0.038	4.0	0.238	14.0	0.086	34.5	0.020	55.0	0.018	75.5	0.099
-5.5	0.014	4.2	0.248	14.5	0.050	35.0	0.014	55.5	0.009	76.0	0.093
-5.0	0.103	4.4	0.247	15.0	0.028	35.5	0.013	56.0	0.007	76.5	0.087
-4.5	0.209	4.6	0.237	15.5	0.029	36.0	0.020	56.5	0.010	77.0	0.081
-4.0	0.303	4.8	0.217	16.0	0.027	36.5	0.028	57.0	0.012	77.5	0.075
-3.5	0.351	5.0	0.191	16.5	0.019	37.0	0.032	57.5	0.011	78.0	0.069
-3.0	0.328	5.2	0.161	17.0	0.034	37.5	0.031	58.0	0.008	78.5	0.063
-2.8	0.296	5.4	0.130	17.5	0.062	38.0	0.025	58.5	0.001	79.0	0.058
-2.6	0.252	5.6	0.104	18.0	0.085	38.5	0.017	59.0	0.008	79.5	0.053
-2.4	0.198	5.8	0.091	18.5	0.095	39.0	0.011	59.5	0.018	80.0	0.048
-2.2	0.144	6.0	0.095	19.0	0.089	39.5	0.014	60.0	0.030	80.5	0.043
-2.0	0.116	6.2	0.112	19.5	0.068	40.0	0.019	60.5	0.041	81.0	0.039
-1.8	0.151	6.4	0.132	20.0	0.040	40.5	0.022	61.0	0.051	81.5	0.035
-1.6	0.231	6.6	0.152	20.5	0.015	41.0	0.021	61.5	0.060	82.0	0.032
-1.4	0.329	6.8	0.166	21.0	0.015	41.5	0.017	62.0	0.066	82.5	0.028
-1.2	0.432	7.0	0.175	21.5	0.019	42.0	0.015	62.5	0.069	83.0	0.026
-1.0	0.536	7.2	0.176	22.0	0.010	42.5	0.019	63.0	0.070	83.5	0.023
-0.8	0.636	7.4	0.172	22.5	0.011	43.0	0.029	63.5	0.067	84.0	0.021
-0.6	0.728	7.6	0.161	23.0	0.039	43.5	0.038	64.0	0.061	84.5	0.019
-0.4	0.811	7.8	0.145	23.5	0.065	44.0	0.043	64.5	0.051	85.0	0.017
-0.2	0.881	8.0	0.125	24.0	0.083	44.5	0.045	65.0	0.041	85.5	0.016
0.0	0.936	8.2	0.103	24.5	0.088	45.0	0.042	65.5	0.029	86.0	0.015
0.2	0.975	8.4	0.080	25.0	0.078	45.5	0.036	66.0	0.021	86.5	0.014
0.4	0.996	8.6	0.061	25.5	0.055	46.0	0.027	66.5	0.022	87.0	0.013
0.6	0.999	8.8	0.049	26.0	0.027	46.5	0.018	67.0	0.032	87.5	0.012
0.8	0.984	9.0	0.050	26.5	0.031	47.0	0.012	67.5	0.046	88.0	0.011
1.0	0.952	9.2	0.059	27.0	0.063	47.5	0.011	68.0	0.059	88.5	0.011
1.2	0.903	9.4	0.070	27.5	0.091	48.0	0.012	68.5	0.073	89.0	0.010
1.4	0.839	9.6	0.079	28.0	0.109	48.5	0.012	69.0	0.085	89.5	0.010
1.6	0.763	9.8	0.083	28.5	0.115	49.0	0.010	69.5	0.095	90.0	0.009
1.8	0.677	10.0	0.087	29.0	0.109	49.5	0.009	70.0	0.104		
2.0	0.585	10.2	0.086	29.5	0.098	50.0	0.015	70.5	0.111		
2.2	0.489	10.4	0.081	30.0	0.080	50.5	0.024	71.0	0.116		



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Location	<b>New Orleans, LA</b>		
Customer	<b>Tribune</b>		
Antenna Type	<b>TUF-C4SP-10/32U-1-T</b>		

### ELEVATION PATTERN (9 layers @ 200deg, 20deg)

RMS Gain at Main Lobe	<b>17.94 ( 12.54 dB )</b>	Beam Tilt	<b>0.50 deg</b>
RMS Gain at Horizontal	<b>16.40 ( 12.15 dB )</b>	Frequency	<b>545.00 MHz</b>
Calculated / Measured	<b>Calculated</b>	Drawing #	<b>09U179050</b>

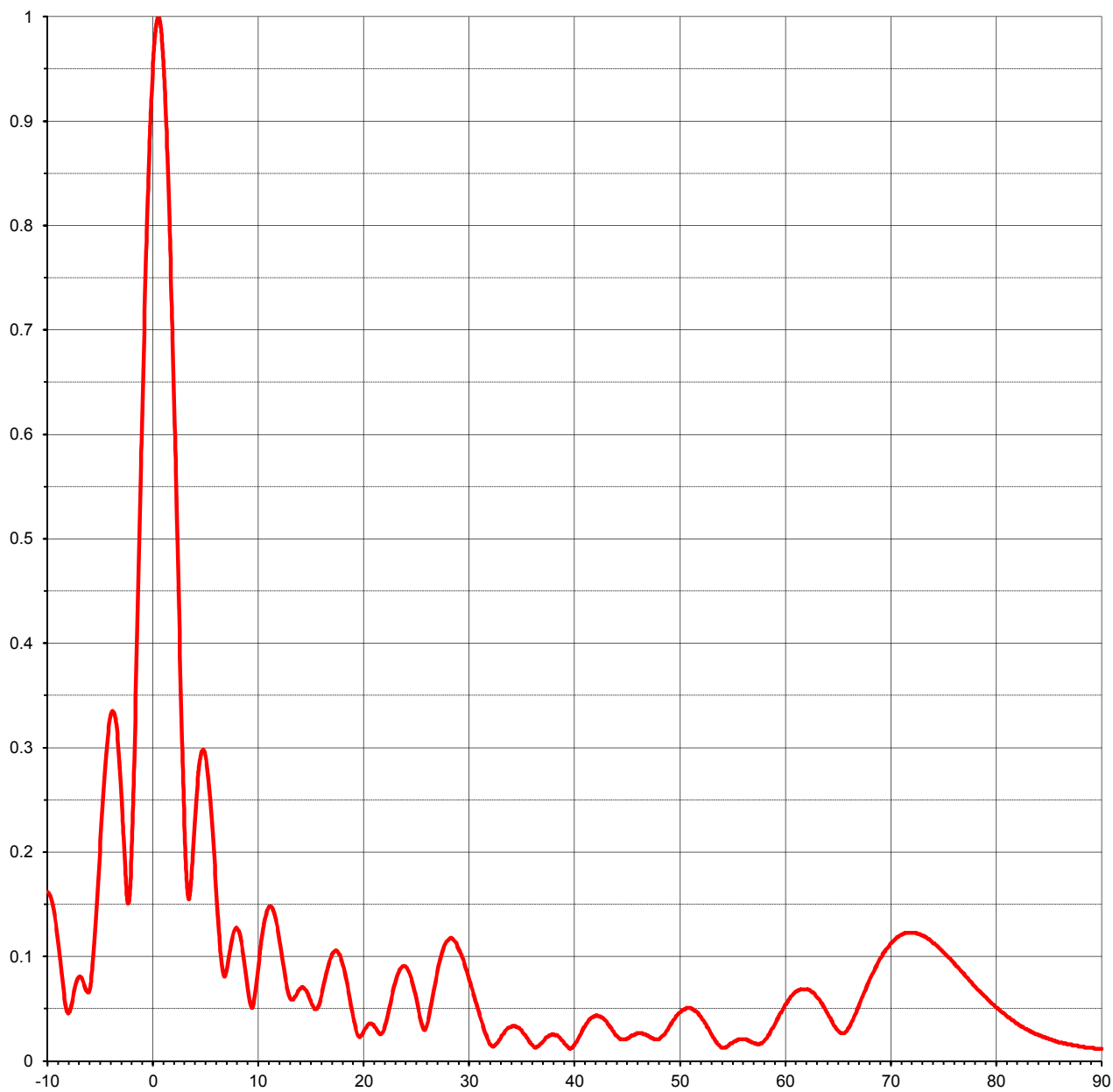




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### ELEVATION PATTERN (9 layers @ 200deg, 20deg)

RMS Gain at Main Lobe	<b>17.94 ( 12.54 dB )</b>	Beam Tilt	<b>0.50 deg</b>
RMS Gain at Horizontal	<b>16.40 ( 12.15 dB )</b>	Frequency	<b>545.00 MHz</b>
Calculated / Measured	<b>Calculated</b>	Drawing #	<b>09U179050-90</b>





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## TABULATION OF ELEVATION PATTERN (9 layers @ 200deg, 20deg)

Elevation Pattern Drawing #: **09U179050-90**

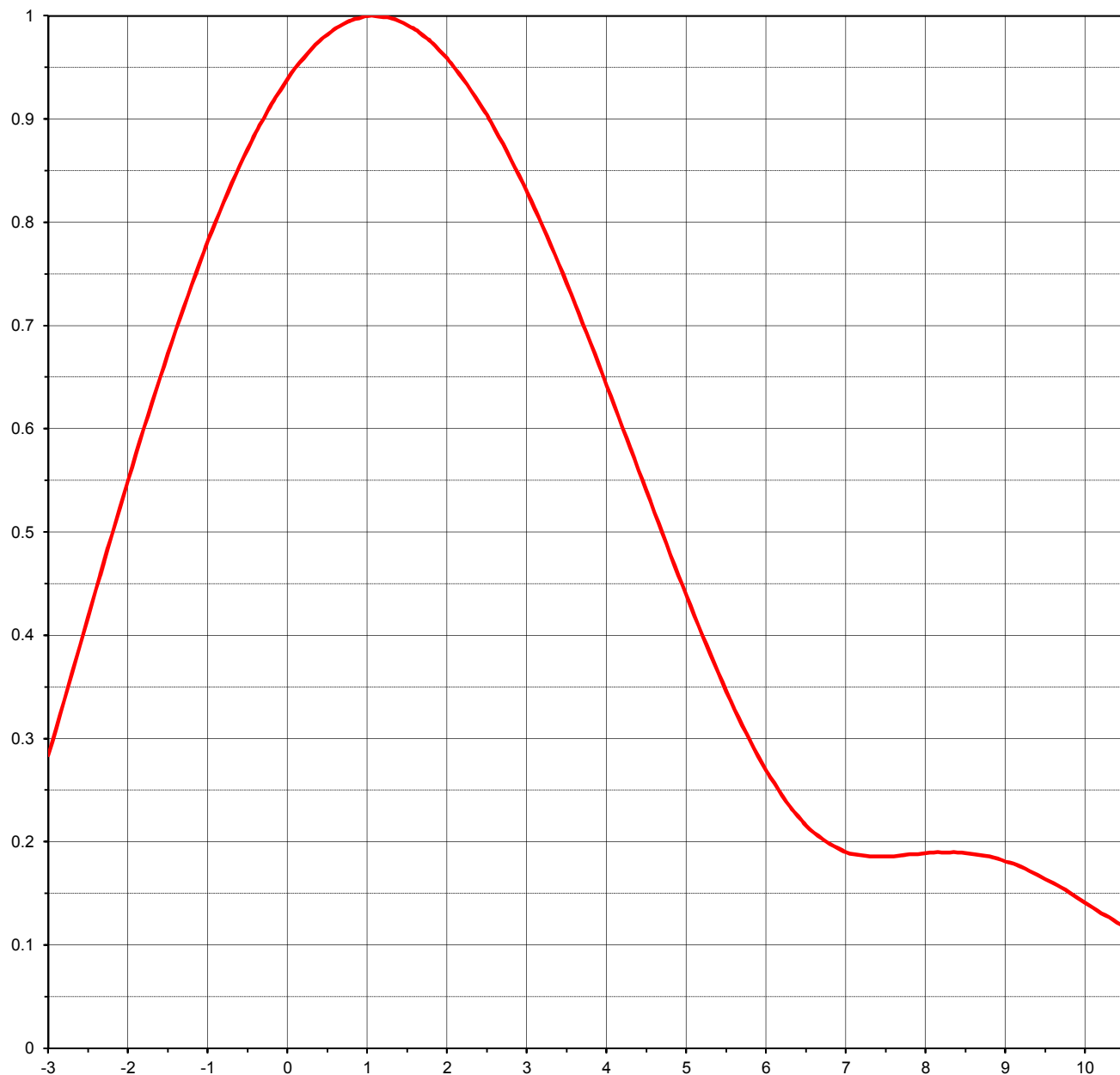
Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.162	2.4	0.455	10.6	0.131	30.5	0.064	51.0	0.051	71.5	0.123
-9.5	0.149	2.6	0.368	10.8	0.140	31.0	0.047	51.5	0.048	72.0	0.123
-9.0	0.114	2.8	0.287	11.0	0.146	31.5	0.030	52.0	0.043	72.5	0.122
-8.5	0.068	3.0	0.218	11.5	0.144	32.0	0.017	52.5	0.036	73.0	0.120
-8.0	0.046	3.2	0.170	12.0	0.122	32.5	0.015	53.0	0.027	73.5	0.117
-7.5	0.066	3.4	0.155	12.5	0.089	33.0	0.021	53.5	0.019	74.0	0.113
-7.0	0.081	3.6	0.172	13.0	0.063	33.5	0.029	54.0	0.013	74.5	0.109
-6.5	0.072	3.8	0.204	13.5	0.061	34.0	0.033	54.5	0.014	75.0	0.104
-6.0	0.070	4.0	0.237	14.0	0.069	34.5	0.033	55.0	0.017	75.5	0.099
-5.5	0.125	4.2	0.265	14.5	0.069	35.0	0.030	55.5	0.020	76.0	0.094
-5.0	0.210	4.4	0.285	15.0	0.059	35.5	0.023	56.0	0.021	76.5	0.088
-4.5	0.288	4.6	0.296	15.5	0.050	36.0	0.016	56.5	0.020	77.0	0.082
-4.0	0.332	4.8	0.298	16.0	0.060	36.5	0.014	57.0	0.018	77.5	0.077
-3.5	0.323	5.0	0.291	16.5	0.083	37.0	0.018	57.5	0.016	78.0	0.071
-3.0	0.254	5.2	0.275	17.0	0.100	37.5	0.023	58.0	0.019	78.5	0.066
-2.8	0.214	5.4	0.253	17.5	0.106	38.0	0.026	58.5	0.025	79.0	0.061
-2.6	0.175	5.6	0.226	18.0	0.096	38.5	0.024	59.0	0.034	79.5	0.056
-2.4	0.151	5.8	0.195	18.5	0.074	39.0	0.019	59.5	0.044	80.0	0.051
-2.2	0.163	6.0	0.162	19.0	0.047	39.5	0.013	60.0	0.053	80.5	0.047
-2.0	0.212	6.2	0.131	19.5	0.025	40.0	0.015	60.5	0.060	81.0	0.043
-1.8	0.285	6.4	0.103	20.0	0.027	40.5	0.023	61.0	0.066	81.5	0.039
-1.6	0.369	6.6	0.086	20.5	0.035	41.0	0.033	61.5	0.069	82.0	0.036
-1.4	0.458	6.8	0.081	21.0	0.035	41.5	0.040	62.0	0.069	82.5	0.033
-1.2	0.548	7.0	0.088	21.5	0.027	42.0	0.043	62.5	0.067	83.0	0.030
-1.0	0.636	7.2	0.101	22.0	0.030	42.5	0.043	63.0	0.062	83.5	0.027
-0.8	0.718	7.4	0.113	22.5	0.051	43.0	0.039	63.5	0.056	84.0	0.025
-0.6	0.794	7.6	0.122	23.0	0.073	43.5	0.032	64.0	0.047	84.5	0.023
-0.4	0.859	7.8	0.127	23.5	0.088	44.0	0.025	64.5	0.036	85.0	0.021
-0.2	0.914	8.0	0.127	24.0	0.091	44.5	0.021	65.0	0.029	85.5	0.020
0.0	0.956	8.2	0.122	24.5	0.082	45.0	0.021	65.5	0.027	86.0	0.018
0.2	0.984	8.4	0.112	25.0	0.063	45.5	0.024	66.0	0.032	86.5	0.017
0.4	0.998	8.6	0.099	25.5	0.039	46.0	0.027	66.5	0.043	87.0	0.016
0.6	0.998	8.8	0.083	26.0	0.032	46.5	0.027	67.0	0.055	87.5	0.015
0.8	0.983	9.0	0.067	26.5	0.055	47.0	0.025	67.5	0.067	88.0	0.014
1.0	0.953	9.2	0.055	27.0	0.082	47.5	0.022	68.0	0.079	88.5	0.013
1.2	0.909	9.4	0.051	27.5	0.104	48.0	0.021	68.5	0.089	89.0	0.013
1.4	0.853	9.6	0.060	28.0	0.115	48.5	0.025	69.0	0.099	89.5	0.012
1.6	0.787	9.8	0.067	28.5	0.117	49.0	0.032	69.5	0.107	90.0	0.012
1.8	0.712	10.0	0.084	29.0	0.109	49.5	0.040	70.0	0.113		
2.0	0.629	10.2	0.101	29.5	0.098	50.0	0.046	70.5	0.118		
2.2	0.543	10.4	0.117	30.0	0.081	50.5	0.050	71.0	0.121		



Proposal Number	<b>C-00956</b>	Revision:	<b>2</b>
Date	<b>19-June-12</b>		
Call Letters	<b>WGNO</b>	Channel	<b>26</b>
Location	<b>New Orleans, LA</b>		
Customer	<b>Tribune</b>		
Antenna Type	<b>TUF-C4SP-10/32U-1-T</b>		

### ELEVATION PATTERN (4 layers @ 110deg)

RMS Gain at Main Lobe	<b>8.65</b>	<b>( 9.37 dB )</b>	Beam Tilt	<b>1.00 deg</b>
RMS Gain at Horizontal	<b>8.00</b>	<b>( 9.03 dB )</b>	Frequency	<b>545.00 MHz</b>
Calculated / Measured	<b>Calculated</b>		Drawing #	<b>04U086100</b>



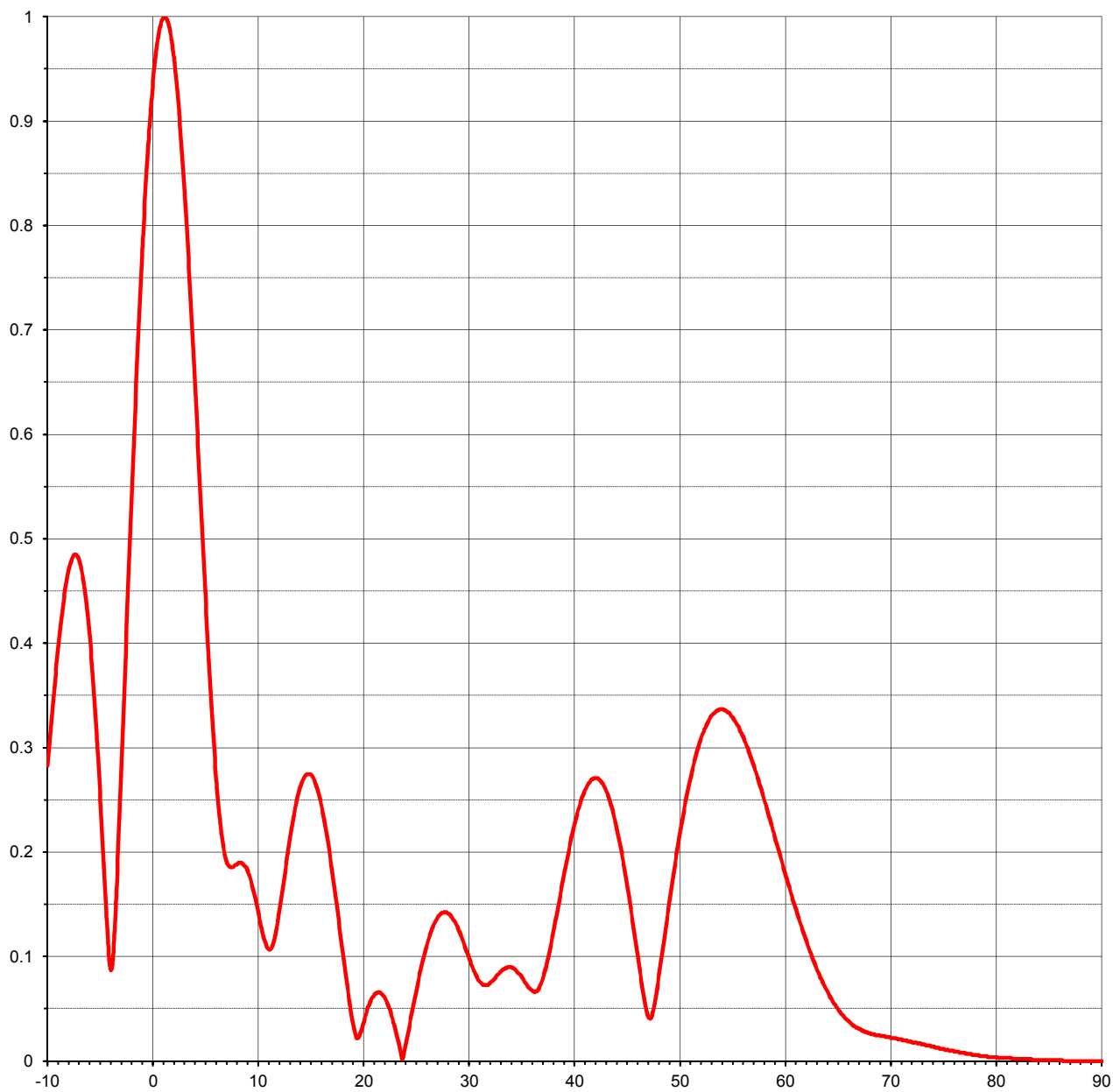




Proposal Number	<b>C-00956</b>	Revision:	<b>2</b>
Date	<b>19-June-12</b>		
Call Letters	<b>WGNO</b>	Channel	<b>26</b>
Location	<b>New Orleans, LA</b>		
Customer	<b>Tribune</b>		
Antenna Type	<b>TUF-C4SP-10/32U-1-T</b>		

### ELEVATION PATTERN (4 layers @ 110deg)

RMS Gain at Main Lobe	<b>8.65</b>	<b>( 9.37 dB )</b>	Beam Tilt	<b>1.00 deg</b>
RMS Gain at Horizontal	<b>8.00</b>	<b>( 9.03 dB )</b>	Frequency	<b>545.00 MHz</b>
Calculated / Measured	<b>Calculated</b>		Drawing #	<b>04U086100-90</b>





Proposal Number **C-00956** Revision **2**  
 Date **19-June-12**  
 Call Letters **WGNO** Channel **26**  
 Location **New Orleans, LA**  
 Customer **Tribune**  
 Antenna Type **TUF-C4SP-10/32U-1-T**

## TABULATION OF ELEVATION PATTERN (4 layers @ 110deg)

Elevation Pattern Drawing #: **04U086100-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.283	2.4	0.916	10.6	0.118	30.5	0.087	51.0	0.268	71.5	0.020
-9.5	0.343	2.6	0.890	10.8	0.112	31.0	0.077	51.5	0.289	72.0	0.018
-9.0	0.396	2.8	0.861	11.0	0.108	31.5	0.073	52.0	0.307	72.5	0.017
-8.5	0.440	3.0	0.830	11.5	0.113	32.0	0.074	52.5	0.320	73.0	0.016
-8.0	0.471	3.2	0.796	12.0	0.139	32.5	0.079	53.0	0.330	73.5	0.015
-7.5	0.485	3.4	0.760	12.5	0.173	33.0	0.085	53.5	0.335	74.0	0.014
-7.0	0.479	3.6	0.722	13.0	0.208	33.5	0.089	54.0	0.337	74.5	0.013
-6.5	0.453	3.8	0.683	13.5	0.238	34.0	0.090	54.5	0.335	75.0	0.012
-6.0	0.405	4.0	0.642	14.0	0.261	34.5	0.087	55.0	0.330	75.5	0.010
-5.5	0.336	4.2	0.601	14.5	0.273	35.0	0.082	55.5	0.322	76.0	0.009
-5.0	0.250	4.4	0.560	15.0	0.275	35.5	0.074	56.0	0.312	76.5	0.008
-4.5	0.153	4.6	0.519	15.5	0.266	36.0	0.068	56.5	0.300	77.0	0.008
-4.0	0.087	4.8	0.478	16.0	0.248	36.5	0.067	57.0	0.285	77.5	0.007
-3.5	0.157	5.0	0.439	16.5	0.221	37.0	0.077	57.5	0.270	78.0	0.006
-3.0	0.284	5.2	0.400	17.0	0.188	37.5	0.096	58.0	0.253	78.5	0.005
-2.8	0.337	5.4	0.364	17.5	0.151	38.0	0.120	58.5	0.235	79.0	0.005
-2.6	0.391	5.6	0.329	18.0	0.111	38.5	0.147	59.0	0.218	79.5	0.004
-2.4	0.445	5.8	0.298	18.5	0.073	39.0	0.174	59.5	0.200	80.0	0.004
-2.2	0.498	6.0	0.269	19.0	0.039	39.5	0.200	60.0	0.182	80.5	0.003
-2.0	0.550	6.2	0.245	19.5	0.022	40.0	0.224	60.5	0.165	81.0	0.003
-1.8	0.601	6.4	0.225	20.0	0.035	40.5	0.243	61.0	0.148	81.5	0.002
-1.6	0.649	6.6	0.209	20.5	0.052	41.0	0.258	61.5	0.132	82.0	0.002
-1.4	0.696	6.8	0.198	21.0	0.062	41.5	0.267	62.0	0.117	82.5	0.002
-1.2	0.740	7.0	0.190	21.5	0.066	42.0	0.271	62.5	0.103	83.0	0.002
-1.0	0.782	7.2	0.187	22.0	0.062	42.5	0.269	63.0	0.090	83.5	0.001
-0.8	0.820	7.4	0.186	22.5	0.051	43.0	0.261	63.5	0.078	84.0	0.001
-0.6	0.855	7.6	0.186	23.0	0.034	43.5	0.246	64.0	0.068	84.5	0.001
-0.4	0.887	7.8	0.188	23.5	0.012	44.0	0.227	64.5	0.057	85.0	0.001
-0.2	0.915	8.0	0.189	24.0	0.013	44.5	0.202	65.0	0.049	85.5	0.001
0.0	0.939	8.2	0.190	24.5	0.039	45.0	0.173	65.5	0.043	86.0	0.001
0.2	0.959	8.4	0.190	25.0	0.064	45.5	0.140	66.0	0.038	86.5	0.000
0.4	0.976	8.6	0.188	25.5	0.088	46.0	0.105	66.5	0.034	87.0	0.000
0.6	0.988	8.8	0.186	26.0	0.109	46.5	0.071	67.0	0.031	87.5	0.000
0.8	0.996	9.0	0.181	26.5	0.125	47.0	0.044	67.5	0.028	88.0	0.000
1.0	1.000	9.2	0.176	27.0	0.136	47.5	0.047	68.0	0.027	88.5	0.000
1.2	0.999	9.4	0.168	27.5	0.142	48.0	0.076	68.5	0.025	89.0	0.000
1.4	0.995	9.6	0.160	28.0	0.142	48.5	0.111	69.0	0.024	89.5	0.000
1.6	0.987	9.8	0.156	28.5	0.137	49.0	0.147	69.5	0.023	90.0	0.000
1.8	0.975	10.0	0.146	29.0	0.128	49.5	0.182	70.0	0.022		
2.0	0.959	10.2	0.136	29.5	0.115	50.0	0.214	70.5	0.022		
2.2	0.939	10.4	0.127	30.0	0.101	50.5	0.243	71.0	0.021		