

**APPLICATION FOR A
MINOR
MODIFICATION TO A
LICENSED DIGITAL
TELEVISION
BROADCAST
STATION HAVING
FCC CALL SIGN
WJSP-TV, FACILITY
ID 23918 AND FCC
FILE NO.:
BLEDT-20080521AAH
COLUMBUS, GA**

October 11, 2016

Prepared For:

Georgia Public
Telecommunications
Commission
260 14th St NW
Atlanta, GA 30318

Prepared By:

Ryan Wilhour
Kessler and Gehman Assoc.
507 NW 60th Street Suite C
Gainesville, FL 32607

1.0 PURPOSE OF MODIFICATION APPLICATION

It is herein proposed to correct the following technical parameters:

- NAD83 North Latitude coordinate from:
 - 32° 51' 08.5" to 32° 51' 06.8"
- NAD83 West Longitude coordinate from:
 - 84° 42' 03.7" to 84° 42' 05.5"
- Ground Elevation from:
 - 396m to 398m
- CRAMSL from:
 - 705m to 707m

No physical changes in any technical parameters are herein proposed. The changes noted above are simply corrections to erroneous data. The instant application qualifies for a modification of license application instead of a construction permit application for the reasons outlined below.

The facility does not have a coordinate correction greater than 3 seconds in latitude and/or longitude and does not create any new short spacings or increased short spacings to other facilities pursuant to 47 C.F.R Section 73.1690(c)(11).

The facility will not have an antenna height AMSL or AAT correction which exceeds 2 meters up or 4 meters down from its licensed height similar to antenna replacement regulations pursuant to 47 C.F.R Section 73.1690(c)(1).

2.0 NATIONAL ENVIRONMENTAL POLICY ACT (NEPA)

2.1 General Environmental Requirements

The proposed support structure and antenna will not:

- Require high intensity white lighting.
- Is not located in an official designated wilderness area or wildlife preserve.
- Does not threaten the existence or habitat of endangered species.
- Does not affect districts, sites, buildings, structures or objects significant in American history, architecture, archaeology, engineering or culture that are listed in the National Register of Historic Places or are eligible for listing.

- Does not affect Indian religious sites.
- Is not located in a floodplain
- Does not require construction that involves significant changes in surface features (e.g., wetland fill, deforestation or water diversion).

2.2 Radio Frequency Radiation (RFR) Compliance.

Since no physical changes are herein proposed, a radio frequency analysis has not been conducted.

3.0 Main Studio Waiver

GPTC has historically operated WJSP-TV pursuant to a main studio waiver and there has been no change with respect to its main studio operation. Therefore, the proposed WJSP-TV facility will also operate under the main studio waiver.

4.0 CERTIFICATION

The foregoing statement and the report regarding the aforementioned Engineering work are true and correct to the best of my knowledge. Executed on October 11, 2016.

KESSLER AND GEHMAN ASSOCIATES, INC.



Ryan Wilhour
Consulting Engineer

APPENDIX A – ALLOCATION ANALYSIS

Percent allowed new interference: 0.500
Percent allowed new interference to non Class A LPTV: 2.000
Census data selected 2000
Data Base Selected
./data_files/pt_tvdb.sff
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 10-11-2016 Time: 13:30:27

Record Selected for Analysis

WJSP-TV- USERRECORD-01 COLUMBUS GA US
Channel 23 ERP 177. kW HAAT 444. m RCAMSL 00707 m
Latitude 032-51-06 Longitude 0084-42-06
Status APP Zone 2 Border Site number: 01
Dir Antenna Make usr Model USRPAT01 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 (site # 01) meets maximum height/power limits

Site number	1			
Azimuth	ERP	HAAT	41.0 dBu F(50,90)	
(Deg)	(kW)	(m)	(km)	
0.0	52.960	451.9	85.7	
45.0	27.337	441.8	80.9	
90.0	49.158	442.2	84.8	
135.0	30.484	476.5	83.3	
180.0	61.614	461.7	87.3	
225.0	143.529	455.7	93.0	
270.0	177.000	374.0	89.7	
315.0	137.693	452.0	92.5	

Evaluation toward Class A Stations from site # 01

No Spacing violations or contour overlap
to Class A stations from site # 01

Class A Evaluation Complete

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SPACING VIOLATION FOUND BETWEEN STATION

WJSP-TV- 23 COLUMBUS

GA USERRECORD01

Site # 01

and station

SHORT TO: WJSP-TV 23 COLUMBUS

GA DTVPLN

DTVP0827

32 -51-08 84 -42-04

Req. separation 223.7 Actual separation 0.1 Short 223.6 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 OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
23	WJSP-TV-	COLUMBUS GA	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	WBMM	TUSKEGEE AL	145.5	LIC	BLCDT	20090428ABH
22	WSKC-CD	ATLANTA GA	134.9	LIC	BLDTA	20130417AAG
22	WSST-TV	CORDELE GA	135.8	CP	BLANK	0000013497
23	WDPM-DT	MOBILE AL	370.8	LIC	BLCDT	20090420AAD
23	WVUA-CD	TUSCALOOSA/NORTHPORT AL	264.5	LIC	BLANK	0000001646
23	WBTB	CHARLOTTE NC	427.3	LIC	BLCDT	19991025AEB

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23	WPXK-TV	JELLYCO TN	357.2	LIC	BLCDDT	20140702ABN
23	WNAB	NASHVILLE TN	424.9	LIC	BLCDDT	20040712AAO
24	WBXA-CD	BIRMINGHAM AL	208.1	LIC	BLANK	0000001638

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
22	WBMM	TUSKEGEE AL	BLCDDT	-20090428ABH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
21	WDHN	DOTHAN AL	109.8	LIC	BLCDDT	-20090303ACR
22	WFIQ	FLORENCE AL	327.1	LIC	BLEDT	-20060718ACG
22	WSST-TV	CORDELE GA	202.7	CP	BLANK	-0000013497
22	WHLT	HATTIESBURG MS	319.9	APP	BLANK	-0000002705
22	WHLT	HATTIESBURG MS	319.8	LIC	BLCDDT	-20091216AAL
23	WDPM-DT	MOBILE AL	226.1	LIC	BLCDDT	-20090420AAD
23	WJSP-TV	COLUMBUS GA	145.6	PLN	DTVPLN	-DTVP0827
23	WJSP-TV-	COLUMBUS GA	145.5	APP	USERRECORD-01	

Total scenarios = 2

Result key: 1
Scenario 1 Affected station 1
Before Analysis

Results for: 22A AL TUSKEGEE BLCDDT 20090428ABH LIC

HAAT 341.0 m, ATV ERP 65.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	533915	18071.4
not affected by terrain losses	533892	18043.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2156	223.3
lost to ATV IX only	2156	223.3
lost to all IX	2156	223.3

Potential Interfering Stations Included in above Scenario 1

21A AL	DOTHAN	BLCDDT	20090303ACR	LIC
22A AL	FLORENCE	BLEDT	20060718ACG	LIC
22A GA	CORDELE	BLANK	0000013497	CP
22A MS	HATTIESBURG	BLCDDT	20091216AAL	LIC
23A GA	COLUMBUS	DTVPLN	DTVP0827	PLN

After Analysis

Results for: 22A AL TUSKEGEE BLCDDT 20090428ABH LIC

HAAT 341.0 m, ATV ERP 65.0 kW

POPULATION AREA (sq km)

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within Noise Limited Contour	533915	18071.4
not affected by terrain losses	533892	18043.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2123	215.4
lost to ATV IX only	2123	215.4
lost to all IX	2123	215.4

Potential Interfering Stations Included in above Scenario 1

21A AL DOTHAN	BLCDT	20090303ACR	LIC
22A AL FLORENCE	BLEDT	20060718ACG	LIC
22A GA CORDELE	BLANK	0000013497	CP
22A MS HATTIESBURG	BLCDT	20091216AAL	LIC
23A GA COLUMBUS	USERRECORD01		APP

Percent new IX = -0.0062%

Result key: 2
 Scenario 2 Affected station 1
 Before Analysis

Results for: 22A AL TUSKEGEE BLCDT 20090428ABH LIC
 HAAT 341.0 m, ATV ERP 65.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	533915	18071.4
not affected by terrain losses	533892	18043.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2190	227.3
lost to ATV IX only	2190	227.3
lost to all IX	2190	227.3

Potential Interfering Stations Included in above Scenario 2

21A AL DOTHAN	BLCDT	20090303ACR	LIC
22A AL FLORENCE	BLEDT	20060718ACG	LIC
22A GA CORDELE	BLANK	0000013497	CP
22A MS HATTIESBURG	BLANK	0000002705	APP
23A GA COLUMBUS	DTVPLN	DTVP0827	PLN

After Analysis

Results for: 22A AL TUSKEGEE BLCDT 20090428ABH LIC
 HAAT 341.0 m, ATV ERP 65.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	533915	18071.4
not affected by terrain losses	533892	18043.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2157	219.4
lost to ATV IX only	2157	219.4
lost to all IX	2157	219.4

Potential Interfering Stations Included in above Scenario 2

21A AL DOTHAN	BLCDT	20090303ACR	LIC
22A AL FLORENCE	BLEDT	20060718ACG	LIC
22A GA CORDELE	BLANK	0000013497	CP

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22A MS HATTIESBURG BLANK 0000002705 APP
23A GA COLUMBUS USERRECORD01 APP

Percent new IX = -0.0062%

Worst case new IX -0.0062% Scenario 1

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
22	WSKC-CD	ATLANTA GA	BLDTA -20130417AAG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
21	WPBA	ATLANTA GA	29.4	LIC	BLEDT -20041013ABK
22	WFIQ	FLORENCE AL	339.8	LIC	BLEDT -20060718ACG
22	WBMM	TUSKEGEE AL	269.8	LIC	BLCDT -20090428ABH
22	WQDS-LD	ATHENS GA	175.1	LIC	BLANK -0000001320
22	WCTD-LP	CANTON GA	74.3	CP	BDFCDTL -20110829AAE
22	W22EA-D	COLUMBUS GA	180.4	CP	BNPDTL -20100423ACH
22	WSST-TV	CORDELE GA	234.0	CP	BLANK -0000013497
22	W22EC-D	LA GRANGE GA	160.3	CP MOD	BMPDTL -20110721ABG
22	W22EJ-D	MACON GA	146.7	CP MOD	BMPDTL -20130515ACS
22	WJCL	SAVANNAH GA	338.3	LIC	BLCDT -20091013AFS
22	WKSJ-LD	SUMMERVILLE/TRION GA	118.3	CP	BDISDTL -20091214ABM
22	WCNC-TV	CHARLOTTE NC	312.5	LIC	BLCDT -20031211ABN
22	WCTE	COOKEVILLE TN	267.0	LIC	BXMLEDT -20111220AGB
22	WCTE	COOKEVILLE TN	267.0	LIC	BLEDT -20110413ACS
22	WCTD-LP	DUCKTOWN TN	121.0	LIC	BLTTL -20070622ADD
23	WJSP-TV-	COLUMBUS GA	134.9	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application Ref. No.
22	WSST-TV	CORDELE GA	BLANK -0000013497

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
21	WDHN	DOTHAN AL	160.1	LIC	BLCDT -20090303ACR
21	WPBA	ATLANTA GA	213.2	LIC	BLEDT -20041013ABK
22	WBMM	TUSKEGEE AL	202.7	LIC	BLCDT -20090428ABH
22	WJCL	SAVANNAH GA	233.3	LIC	BLCDT -20091013AFS
23	WJSP-TV	COLUMBUS GA	135.8	PLN	DTVPLN -DTV0827

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23 WJSP-TV- COLUMBUS GA 135.8 APP USERRECORD-01
Proposal causes no interference

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
23	WDPM-DT	MOBILE AL	BLCDT -20090420AAD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
22	WBMM	TUSKEGEE AL	226.1	LIC	BLCDT -20090428ABH
22	WHLT	HATTIESBURG MS	178.6	APP	BLANK -0000002705
22	WHLT	HATTIESBURG MS	178.6	LIC	BLCDT -20091216AAL
23	WJSP-TV	COLUMBUS GA	370.8	PLN	DTVPLN -DTVP0827
23	WWJX	JACKSON MS	304.9	LIC	BLCDT -20110824ABD
24	WMDN	MERIDIAN MS	216.7	LIC	BLCDT -20090304ADW
23	WJSP-TV-	COLUMBUS GA	370.8	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
23	WVUA-CD	TUSCALOOSA/NORTHPORT AL	BLANK -0000001646

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
23	WDPM-DT	MOBILE AL	283.4	LIC	BLCDT -20090420AAD
23	WJSP-TV	COLUMBUS GA	264.5	PLN	DTVPLN -DTVP0827
23	WWJX	JACKSON MS	291.7	LIC	BLCDT -20110824ABD
23	WTWV	MEMPHIS TN	310.9	LIC	BLEDT -20090619AAW
23	WNAB	NASHVILLE TN	351.2	LIC	BLCDT -20040712AAO
24	WBXA-CD	BIRMINGHAM AL	75.0	LIC	BLANK -0000001638
23	WJSP-TV-	COLUMBUS GA	264.5	APP	USERRECORD-01

Total scenarios = 1

Result key: 3
Scenario 1 Affected station 5
Before Analysis

Results for: 23A AL TUSCALOOSA/NORTHPORT BLANK 0000001646 LIC
HAAT 221.0 m, ATV ERP 15.0 kW
POPULATION AREA (sq km)

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within Noise Limited Contour	211349	7912.1
not affected by terrain losses	211266	7900.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	110	16.0
lost to ATV IX only	110	16.0
lost to all IX	110	16.0

Potential Interfering Stations Included in above Scenario 1

23A AL MOBILE	BLCDT	20090420AAD	LIC
23A GA COLUMBUS	DTVPLN	DTVP0827	PLN

After Analysis

Results for: 23A AL TUSCALOOSA/NORTHPORT BLANK 0000001646 LIC
HAAT 221.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	211349	7912.1
not affected by terrain losses	211266	7900.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	110	16.0
lost to ATV IX only	110	16.0
lost to all IX	110	16.0

Potential Interfering Stations Included in above Scenario 1

23A AL MOBILE	BLCDT	20090420AAD	LIC
23A GA COLUMBUS	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 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
23	WBTV	CHARLOTTE NC	BLCDT -19991025AEB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
22	WCNC-TV	CHARLOTTE NC	2.4	LIC	BLCDT -20031211ABN
23	WJSP-TV	COLUMBUS GA	427.2	PLN	DTVPLN -DTVP0827
23	WUNK-TV	GREENVILLE NC	325.3	LIC	BLEDT -20100913ACD
23	WPXK-TV	JELICO TN	258.7	LIC	BLCDT -20140702ABN
23	WSAZ-TV	HUNTINGTON WV	361.5	LIC	BLANK -0000001039
24	WGTA	TOCCOA GA	215.8	LIC	BLANK -0000001315
23	WJSP-TV-	COLUMBUS GA	427.3	APP	USERRECORD-01

Proposal causes no interference

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
23	WPXK-TV	JELLICO TN	BLCDT -20140702ABN

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
22	WCTE	COOKEVILLE TN	127.2	LIC	BXMLEDT -20111220AGB
22	WCTE	COOKEVILLE TN	127.2	LIC	BLEDT -20110413ACS
23	WJSP-TV	COLUMBUS GA	357.1	PLN	DTVPLN -DTVP0827
23	WBTV	CHARLOTTE NC	258.7	LIC	BLCDT -19991025AEB
23	WNAB	NASHVILLE TN	257.6	LIC	BLCDT -20040712AAO
23	WSAZ-TV	HUNTINGTON WV	317.6	LIC	BLANK -0000001039
24	WGTA	TOCCOA GA	163.4	LIC	BLANK -0000001315
24	WKPI-TV	PIKEVILLE KY	190.5	LIC	BLANK -0000007531
23	WJSP-TV-	COLUMBUS GA	357.2	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.
23	WNAB	NASHVILLE TN	BLCDT -20040712AAO

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
22	WFIQ	FLORENCE AL	207.7	LIC	BLEDT -20060718ACG
22	WCTE	COOKEVILLE TN	130.5	LIC	BXMLEDT -20111220AGB
22	WCTE	COOKEVILLE TN	130.5	LIC	BLEDT -20110413ACS
23	WJSP-TV	COLUMBUS GA	424.8	PLN	DTVPLN -DTVP0827
23	WPXK-TV	JELLICO TN	257.6	LIC	BLCDT -20140702ABN
23	WTWV	MEMPHIS TN	296.8	LIC	BLEDT -20090619AAW
24	WHIQ	HUNTSVILLE AL	171.4	LIC	BLANK -0000004828
23	WJSP-TV-	COLUMBUS GA	424.9	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.
24	WBXA-CD	BIRMINGHAM AL	BLANK -0000001638

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Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
23	WVUA-CD	TUSCALOOSA/NORTHPORT AL	75.0	LIC	BLANK	-0000001646
24	WHIQ	HUNTSVILLE AL	141.5	LIC	BLANK	-0000004828
24	NEW	MONTGOMERY AL	132.6	APP	BNPDTL	-20090825ANN
24	W24ED-D	COLUMBUS GA	165.0	APP	BLANK	-0000013754
24	WVND-LD	SUWANEE GA	228.3	CP	BLANK	-0000008308
24	WGTA	TOCCOA GA	340.2	LIC	BLANK	-0000001315
24	WMDN	MERIDIAN MS	217.9	LIC	BLCDT	-20090304ADW
24	WDDA-LD	CHATTANOOGA TN	227.4	CP	BDCCDTL	-20110616AAB
25	WJMY-CD	DEMOPOLIS AL	83.9	LIC	BLANK	-0000001389
23	WJSP-TV-	COLUMBUS GA	208.1	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	WJSP-TV-	COLUMBUS GA	USERRECORD-01	

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	WBMM	TUSKEGEE AL	145.5	LIC	BLCDT	-20090428ABH
22	WSST-TV	CORDELE GA	135.8	CP	BLANK	-0000013497
23	WDPM-DT	MOBILE AL	370.8	LIC	BLCDT	-20090420AAD
23	WBTV	CHARLOTTE NC	427.3	LIC	BLCDT	-19991025AEB
23	WPXK-TV	JELLICO TN	357.2	LIC	BLCDT	-20140702ABN
23	WNAB	NASHVILLE TN	424.9	LIC	BLCDT	-20040712AAO

Total scenarios = 1

Result key: 4
Scenario 1 Affected station 10
Before Analysis

Results for: 23A GA COLUMBUS USERRECORD01 APP

HAAT 444.0 m, ATV ERP 177.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1164722	25136.7
not affected by terrain losses	1163145	25040.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	72	24.1
lost to ATV IX only	72	24.1
lost to all IX	72	24.1

Potential Interfering Stations Included in above Scenario 1

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22A	AL	TUSKEGEE	BLCDT	20090428ABH	LIC
23A	AL	MOBILE	BLCDT	20090420AAD	LIC

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

APPENDIX B – Antenna Data

WJSP-DT

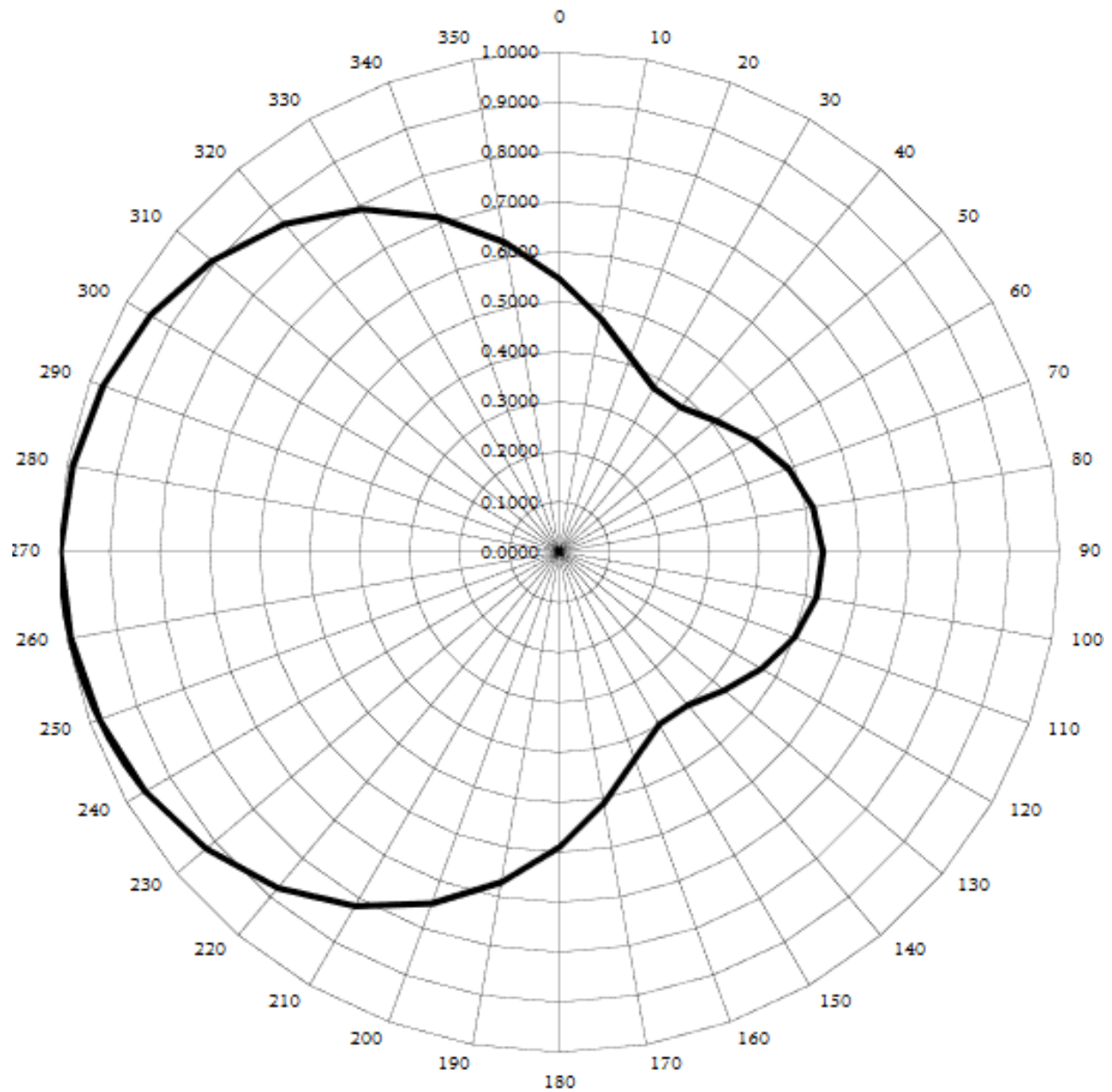
COLUMBUS, GEORGIA

TABULATION OF RELATIVE FIELD FOR PROPOSED DIRECTIONAL ANTENNA

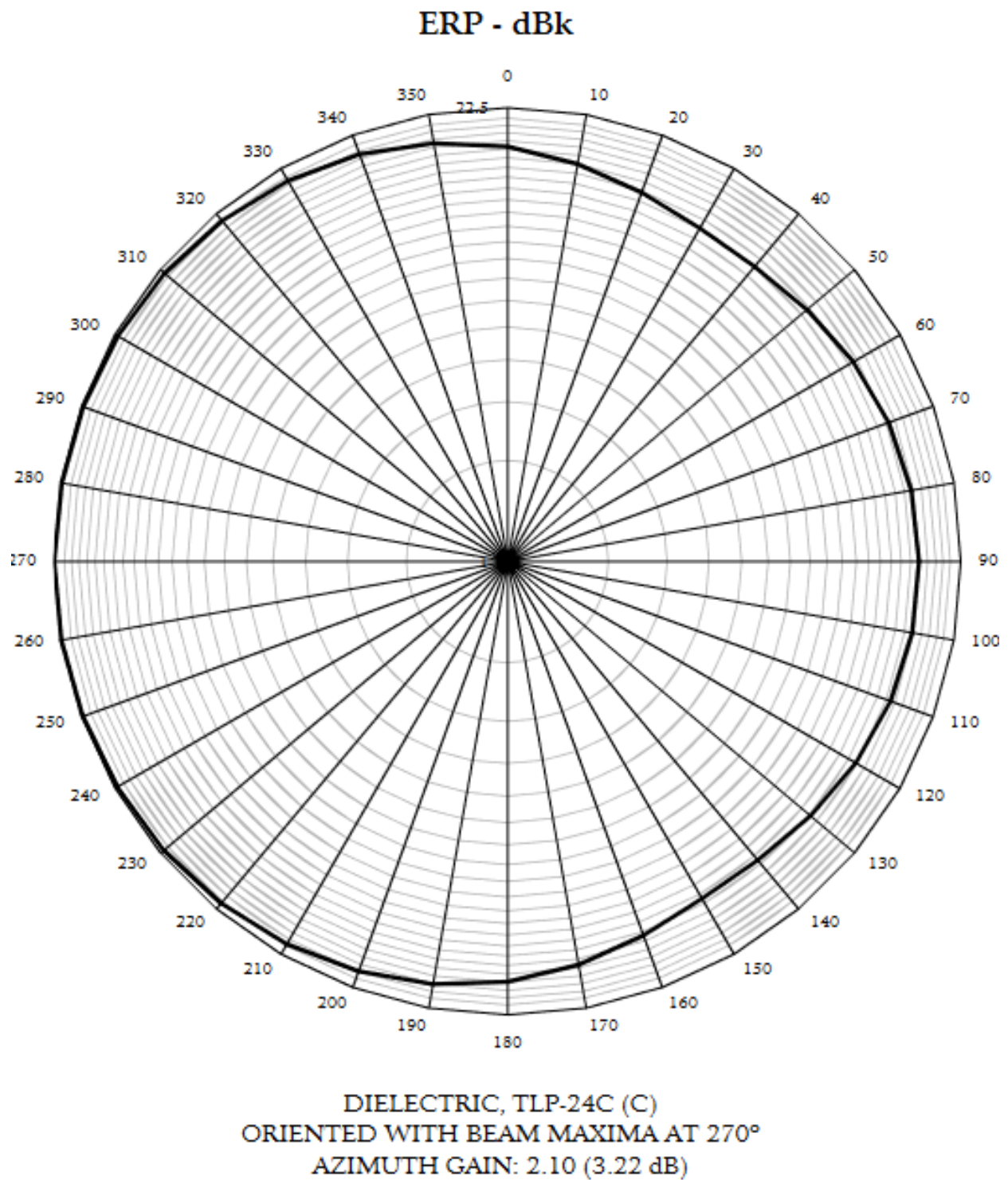
<u>AZIMUTH</u>	<u>RELATIVE FIELD</u>	<u>AZIMUTH</u>	<u>RELATIVE FIELD</u>
N000°E	0.547	N180°E	0.590
N010°E	0.474	N190°E	0.671
N020°E	0.414	N200°E	0.748
N030°E	0.378	N210°E	0.818
N040°E	0.378	N220°E	0.877
N050°E	0.408	N230°E	0.924
N060°E	0.449	N240°E	0.958
N070°E	0.487	N250°E	0.980
N080°E	0.515	N260°E	0.994
N090°E	0.527	N270°E	1.000
N100°E	0.522	N280°E	0.990
N110°E	0.500	N290°E	0.973
N120°E	0.467	N300°E	0.946
N130°E	0.430	N310°E	0.907
N140°E	0.400	N320°E	0.857
N150°E	0.398	N330°E	0.792
N160°E	0.440	N340°E	0.713
N170°E	0.510	N350°E	0.628

DIELECTRIC
TLP-24C (C)

RELATIVE FIELD AZIMUTH PATTERN



DIELECTRIC, TLP-24C (C)
ORIENTED WITH BEAM MAXIMA AT 270°
AZIMUTH GAIN: 2.10 (3.22 dB)

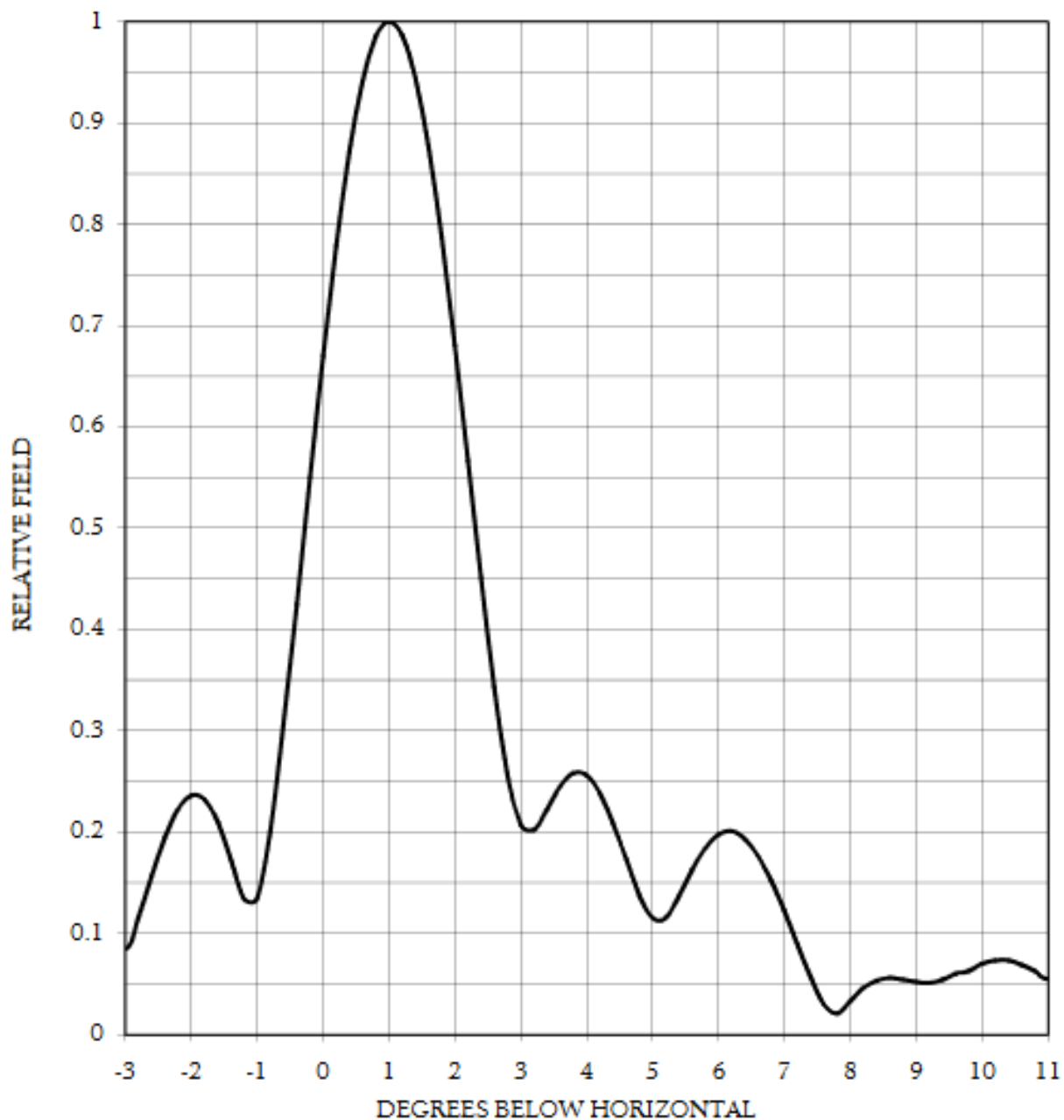


ELEVATION PATTERN

DIELECTRIC, TLP-24C (C)

RMS Gain at Main Lobe 23.3 (13.67 dB)
RMS Gain at Horizontal 10.50 (10.21 dB)

Beam Tilt 1.0 deg
Frequency 527.0 MHz



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