

**CP-Mod Engineering Statement  
Site Change Application  
WYES-TV New Orleans, LA  
Channel 28  
December 19, 2022**

In this application, the licensee of WYES-TV (WYES) proposes to relocate the facility authorized in Construction Permit File No. 0000153421 to a site approximately 3.2 km north of the currently authorized site. The proposed new site is a registered tower (ASR 1000007). At the new site it is proposed that WYES will share a new broadband antenna with station WLAE. The new antenna will replace the WLAE antenna currently at the proposed new site.

The currently authorized effective radiated power (ERP) of 1,000 kW will remain unchanged; however, the directional antenna pattern will change slightly to adjust for the service and restrictions related to the relocation. In addition, the center of radiation height will be lowered from 306.5 m AMSL to 269.6m AMSL to fit the available aperture.

An interference study using the FCC's TVStudy software with the default settings shows the proposed facility would not cause any non-de minimis interference to other stations requiring protection. A copy of the TVStudy interference analysis is provided in Appendix A.

A further study indicates the proposed new facility will not cause any loss of service compared to the currently authorized facility. The predicted Terrain-Limited service population for the currently authorized facility is 1,674,703 and a TVStudy analysis of the predicted service for the facility proposed in this application when evaluated inside the noise limited contour of the currently authorized facility indicates no change in the predicted Terrain-Limited service population (See coverage map in Appendix B). Furthermore, the City Grade service contour of the proposed facility will fully encompass the city of license (See Appendix C).

In view of the above and the supporting information provided in the appendices, it is believed that WYES is justified in requesting this change and that it would be in the public interest to grant its request.

William R. Meintel  
Senior Partner  
Meintel, Sgrignoli & Wallace LLC

## APPENDIX A

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: 01952\_12152022\_WYES\_25090, Model: Longley-Rice

Start: 2022.12.15 16:14:48

Study created: 2022.12.15 16:14:48

Study build station data: LMS TV LMS\_11182022

Proposal: WYES-TV D28 DT APP NEW ORLEANS, LA

File number: 01939\_11272022\_WYES\_25090

Facility ID: 25090

Station data: User record

Record ID: 1771

Country: U.S.

Zone: III

Search options:

Non-U.S. records included

Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WFNA	D27	DT	LIC	GULF SHORES, AL	BLANK0000120977	218.2 km
Yes	WWL-TV	D27	DT	LIC	NEW ORLEANS, LA	BLANK0000109373	11.9
Yes	WWL-TV	D27	DT	LIC	NEW ORLEANS, LA	BLANK0000203662	11.9
No	WMCF-TV	D28	DT	LIC	MONTGOMERY, AL	BLANK0000107502	447.1
No	WFSG	D28	DT	LIC	PANAMA CITY, FL	BLANK0000064507	389.4
Yes	KATC	D28	DT	LIC	LAFAYETTE, LA	BLCDT20071109AAV	227.8
Yes	WMAW-TV	D28	DT	LIC	MERIDIAN, MS	BLANK0000106235	253.2
No	WFBD	D29	DD	CP	DESTIN, FL	BLANK0000182313	292.7
No	WVUE-DT	D29	DT	CP	NEW ORLEANS, LA	BLANK0000127677	3.2
No	WVUE-DT	D29	DT	APP	NEW ORLEANS, LA	BLANK0000203686	3.2
No	WVUE-DT	D29	DT	LIC	NEW ORLEANS, LA	BLCDT20110502AEC	3.2

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

WQNO 690 L DAN D NEW ORLEANS, LA BMML20170703AFC

WQNO 690 L DAN N NEW ORLEANS, LA BMML20170703AFC

Record parameters as studied:

Channel: D28  
Latitude: 29 58 58.00 N (NAD83)  
Longitude: 89 57 9.00 W  
Height AMSL: 269.6 m  
HAAT: 269.6 m  
Peak ERP: 1000 kW  
Antenna: DIE\_TFU\_24DSC\_VP\_R\_4P200\_HRP\_CH\_28\_FCC\_F 0.0 deg  
Elev Pattn: DIE\_TFU\_24DSC\_VP\_R\_4P200\_VRP\_CH\_28\_FCC\_F  
Elec Tilt: 1.00

40.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	353 kW	271.0 m	84.7 km
45.0	636	269.8	89.9
90.0	908	269.3	93.6
135.0	120	269.5	77.8
180.0	189	269.0	80.3
225.0	566	269.6	88.6
270.0	841	269.3	92.8
315.0	403	270.4	85.7

Distance to Canadian border: 1454.3 km

Distance to Mexican border: 816.3 km

Conditions at FCC monitoring station: Powder Springs GA  
Bearing: 47.5 degrees Distance: 655.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 313.2 degrees Distance: 1784.4 km

Study cell size: 2.00 km  
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%  
Maximum new IX to LPTV: 2.00%

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Interference to BLANK0000109373 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired:	WVL-TV	D27	DT	LIC	NEW ORLEANS, LA	BLANK0000109373	
Undesireds:	WYES-TV	D28	DT	BL	NEW ORLEANS, LA	DTVBL25090	10.2 km
	WYES-TV	D28	DT	APP	NEW ORLEANS, LA	01939_11272022_WYES_25	11.9
	WGNO	D26	DT	LIC	NEW ORLEANS, LA	BLCDDT20121019AAK	9.2
	WFNA	D27	DT	LIC	GULF SHORES, AL	BLANK0000120977	229.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
31548.0 1,788,624	31548.0 1,788,624	31110.9 1,771,373	31118.9 1,771,607	-0.03 -0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WYES-TV D28 DT BL 16.0	239	8.0	234
WYES-TV D28 DT APP 8.0	80		0.0 0
WGNO D26 DT LIC 4.0	5	0.0	0
WFNA D27 DT LIC 429.1	17,017	421.1	17,012 421.1 16,937

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Interference to BLANK0000203662 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WVL-TV	D27	DT	LIC	NEW ORLEANS, LA	BLANK0000203662	
Undesireds:	WYES-TV	D28	DT	BL	NEW ORLEANS, LA	DTVBL25090	10.2 km
	WYES-TV	D28	DT	APP	NEW ORLEANS, LA	01939_11272022_WYES_25	11.9
	WGNO	D26	DT	LIC	NEW ORLEANS, LA	BLCDDT20121019AAK	9.2
	WFNA	D27	DT	LIC	GULF SHORES, AL	BLANK0000120977	229.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
31548.0 1,788,624	31548.0 1,788,624	31110.9 1,771,373	31118.9 1,771,607	-0.03 -0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WYES-TV D28 DT BL 16.0	239	8.0	234
WYES-TV D28 DT APP 8.0	80		0.0 0
WGNO D26 DT LIC 4.0	5	0.0	0
WFNA D27 DT LIC 429.1	17,017	421.1	17,012 421.1 16,937

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Interference to BLCDDT20071109AAV LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KATC	D28	DT	LIC	LAFAYETTE, LA	BLCDDT20071109AAV	
Undesireds:	WYES-TV	D28	DT	BL	NEW ORLEANS, LA	DTVBL25090	228.7 km
	WYES-TV	D28	DT	APP	NEW ORLEANS, LA	01939_11272022_WYES_25	227.8
	KBTB-TV	D27	DT	LIC	PORT ARTHUR, TX	BLANK0000063140	163.9

KTBS-TV	D28	DT	LIC	SHREVEPORT, LA	BLANK0000193557	305.2
KUGB-CD	D28	DC	CP	HOUSTON, TX	BLANK0000127537	321.2
KCEB	D28	DT	LIC	LONGVIEW, TX	BLANK0000080719	305.2
KITU-TV	D29	DT	LIC	BEAUMONT, TX	BLANK0000063643	156.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
42336.9 1,348,897	42333.0 1,348,897	41671.5 1,339,101	41800.2 1,342,264	-0.31 -0.24

Undesired	Total IX	Unique IX, before	Unique IX, after
WYES-TV D28 DT BL 220.9	4,915	220.9 4,915	
WYES-TV D28 DT APP 92.2	1,752		92.2 1,752
KBTB-TV D27 DT LIC 28.1	13	0.0 0	0.0 0
KTBS-TV D28 DT LIC 131.1	2,388	0.0 0	0.0 0
KCEB D28 DT LIC 135.1	2,388	4.0 0	4.0 0
KITU-TV D29 DT LIC 305.4	2,493	277.3 2,480	277.3 2,480

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Interference to BLANK0000106235 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMAW-TV	D28	DT	LIC	MERIDIAN, MS	BLANK0000106235	
Undesireds:	WYES-TV	D28	DT	BL	NEW ORLEANS, LA	DTVBL25090	256.1 km
	WYES-TV	D28	DT	APP	NEW ORLEANS, LA	01939_11272022_WYES_25	253.2
	WCBI-TV	D27	DT	LIC	COLUMBUS, MS	BLANK0000059851	180.4
	WMCF-TV	D28	DT	LIC	MONTGOMERY, AL	BLANK0000107502	273.8
	KATC	D28	DT	LIC	LAFAYETTE, LA	BLCDT20071109AAV	364.7
	WREG-TV	D28	DT	LIC	MEMPHIS, TN	BLCDT20050513AAE	345.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
32611.9 726,173	32350.7 715,450	31607.2 710,070	31603.2 710,025	0.01 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WYES-TV D28 DT BL 151.3	3,822	111.3 1,283	
WYES-TV D28 DT APP 159.3	3,872		115.3 1,328
WCBI-TV D27 DT LIC 52.0	314	16.0 30	16.0 30
WMCF-TV D28 DT LIC 512.0	1,131	476.0 1,105	476.0 1,105
KATC D28 DT LIC 52.1	2,580	20.1 65	16.1 60
WREG-TV D28 DT LIC 72.1	356	36.0 74	36.0 74

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Interference to proposal scenario 1  
3.76% interference received

Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired:	WYES-TV	D28	DT	APP	NEW ORLEANS, LA	01939_11272022_WYES_25	
Undesireds:	WWL-TV	D27	DT	LIC	NEW ORLEANS, LA	BLANK0000109373	11.9 km
	KATC	D28	DT	LIC	LAFAYETTE, LA	BLCDT20071109AAV	227.8
	WMAW-TV	D28	DT	LIC	MERIDIAN, MS	BLANK0000106235	253.2
	WVUE-DT	D29	DT	CP	NEW ORLEANS, LA	BLANK0000127677	3.2

Service area		Terrain-limited		IX-free		Percent IX	
23713.2	1,625,410	23713.2	1,625,410	22321.8	1,564,347	5.87	3.76

Undesired		Total IX		Unique IX		Prcnt Unique IX	
WWL-TV D27 DT LIC	1162.5	57,812	1146.4	56,570	4.83	3.48	
KATC D28 DT LIC	176.9	3,462	160.8	2,220	0.68	0.14	
WMAW-TV D28 DT LIC	60.0	752	56.0	712	0.24	0.04	
WVUE-DT D29 DT CP	12.0	319	8.0	279	0.03	0.02	

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Interference to proposal scenario 2

\*\*MX: 3.76% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WYES-TV	D28	DT	APP	NEW ORLEANS, LA	01939_11272022_WYES_25	
Undesireds:	WWL-TV	D27	DT	LIC	NEW ORLEANS, LA	BLANK0000109373	11.9 km
	KATC	D28	DT	LIC	LAFAYETTE, LA	BLCDT20071109AAV	227.8
	WMAW-TV	D28	DT	LIC	MERIDIAN, MS	BLANK0000106235	253.2
	WVUE-DT	D29	DT	APP	NEW ORLEANS, LA	BLANK0000203686	3.2

Service area		Terrain-limited		IX-free		Percent IX	
23713.2	1,625,410	23713.2	1,625,410	22321.8	1,564,347	5.87	3.76

Undesired		Total IX		Unique IX		Prcnt Unique IX	
WWL-TV D27 DT LIC	1162.5	57,812	1146.4	56,570	4.83	3.48	
KATC D28 DT LIC	176.9	3,462	160.8	2,220	0.68	0.14	
WMAW-TV D28 DT LIC	60.0	752	56.0	712	0.24	0.04	
WVUE-DT D29 DT APP	12.0	319	8.0	279	0.03	0.02	

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Interference to proposal scenario 3

3.76% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WYES-TV	D28	DT	APP	NEW ORLEANS, LA	01939_11272022_WYES_25	
Undesireds:	WWL-TV	D27	DT	LIC	NEW ORLEANS, LA	BLANK0000109373	11.9 km

KATC	D28	DT	LIC	LAFAYETTE, LA	BLCDT20071109AAV	227.8
WMAW-TV	D28	DT	LIC	MERIDIAN, MS	BLANK0000106235	253.2
WVUE-DT	D29	DT	LIC	NEW ORLEANS, LA	BLCDT20110502AEC	3.2

Service area		Terrain-limited		IX-free		Percent IX
23713.2	1,625,410	23713.2	1,625,410	22321.8	1,564,347	5.87 3.76

Undesired		Total IX		Unique IX		Prcnt Unique IX
WWL-TV D27 DT LIC	1162.5	57,812	1146.4	56,570	4.83	3.48
KATC D28 DT LIC	176.9	3,462	160.8	2,220	0.68	0.14
WMAW-TV D28 DT LIC	60.0	752	56.0	712	0.24	0.04
WVUE-DT D29 DT LIC	12.0	319	8.0	279	0.03	0.02

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Interference to proposal scenario 4  
3.76% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYES-TV	D28	DT	APP	NEW ORLEANS, LA	01939_11272022_WYES_25	
Undesireds:	WWL-TV	D27	DT	LIC	NEW ORLEANS, LA	BLANK0000203662	11.9 km
	KATC	D28	DT	LIC	LAFAYETTE, LA	BLCDT20071109AAV	227.8
	WMAW-TV	D28	DT	LIC	MERIDIAN, MS	BLANK0000106235	253.2
	WVUE-DT	D29	DT	CP	NEW ORLEANS, LA	BLANK0000127677	3.2

Service area		Terrain-limited		IX-free		Percent IX
23713.2	1,625,410	23713.2	1,625,410	22321.8	1,564,347	5.87 3.76

Undesired		Total IX		Unique IX		Prcnt Unique IX
WWL-TV D27 DT LIC	1162.5	57,812	1146.4	56,570	4.83	3.48
KATC D28 DT LIC	176.9	3,462	160.8	2,220	0.68	0.14
WMAW-TV D28 DT LIC	60.0	752	56.0	712	0.24	0.04
WVUE-DT D29 DT CP	12.0	319	8.0	279	0.03	0.02

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Interference to proposal scenario 5  
\*\*MX: 3.76% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYES-TV	D28	DT	APP	NEW ORLEANS, LA	01939_11272022_WYES_25	
Undesireds:	WWL-TV	D27	DT	LIC	NEW ORLEANS, LA	BLANK0000203662	11.9 km
	KATC	D28	DT	LIC	LAFAYETTE, LA	BLCDT20071109AAV	227.8
	WMAW-TV	D28	DT	LIC	MERIDIAN, MS	BLANK0000106235	253.2
	WVUE-DT	D29	DT	APP	NEW ORLEANS, LA	BLANK0000203686	3.2

Service area		Terrain-limited		IX-free		Percent IX	
23713.2	1,625,410	23713.2	1,625,410	22321.8	1,564,347	5.87	3.76
Undesired		Total IX		Unique IX		Prcnt Unique IX	
WWL-TV D27 DT LIC	1162.5	57,812	1146.4	56,570	4.83	3.48	
KATC D28 DT LIC	176.9	3,462	160.8	2,220	0.68	0.14	
WMAW-TV D28 DT LIC	60.0	752	56.0	712	0.24	0.04	
WVUE-DT D29 DT APP	12.0	319	8.0	279	0.03	0.02	

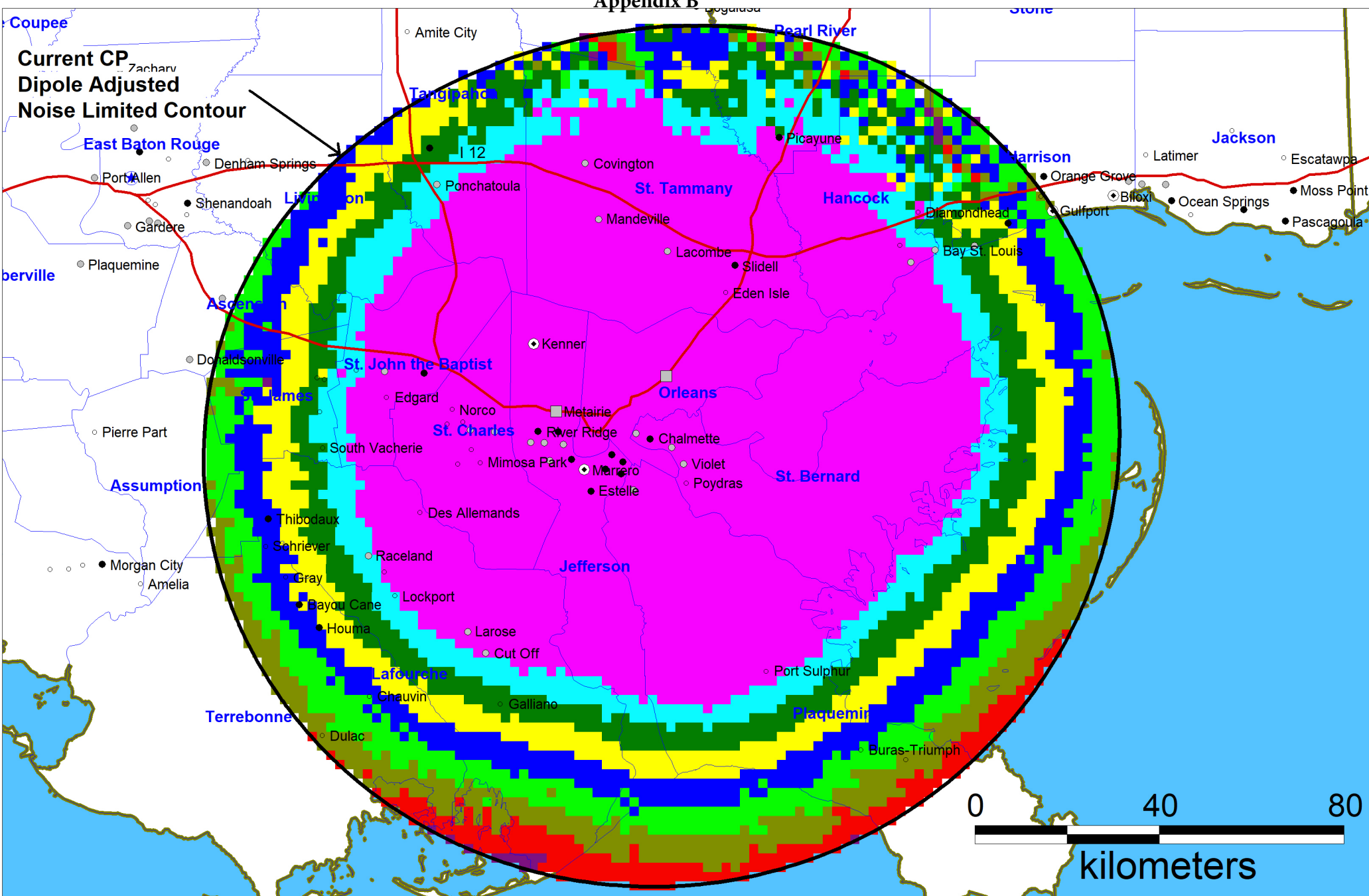
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Interference to proposal scenario 6  
3.76% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYES-TV	D28	DT	APP	NEW ORLEANS, LA	01939_11272022_WYES_25	
Undesireds:	WWL-TV	D27	DT	LIC	NEW ORLEANS, LA	BLANK0000203662	11.9 km
	KATC	D28	DT	LIC	LAFAYETTE, LA	BLCDT20071109AAV	227.8
	WMAW-TV	D28	DT	LIC	MERIDIAN, MS	BLANK0000106235	253.2
	WVUE-DT	D29	DT	LIC	NEW ORLEANS, LA	BLCDT20110502AEC	3.2

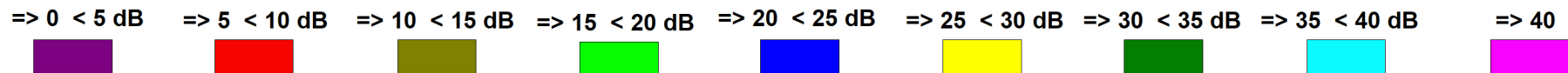
Service area		Terrain-limited		IX-free		Percent IX	
23713.2	1,625,410	23713.2	1,625,410	22321.8	1,564,347	5.87	3.76
Undesired		Total IX		Unique IX		Prcnt Unique IX	
WWL-TV D27 DT LIC	1162.5	57,812	1146.4	56,570	4.83	3.48	
KATC D28 DT LIC	176.9	3,462	160.8	2,220	0.68	0.14	
WMAW-TV D28 DT LIC	60.0	752	56.0	712	0.24	0.04	
WVUE-DT D29 DT LIC	12.0	319	8.0	279	0.03	0.02	



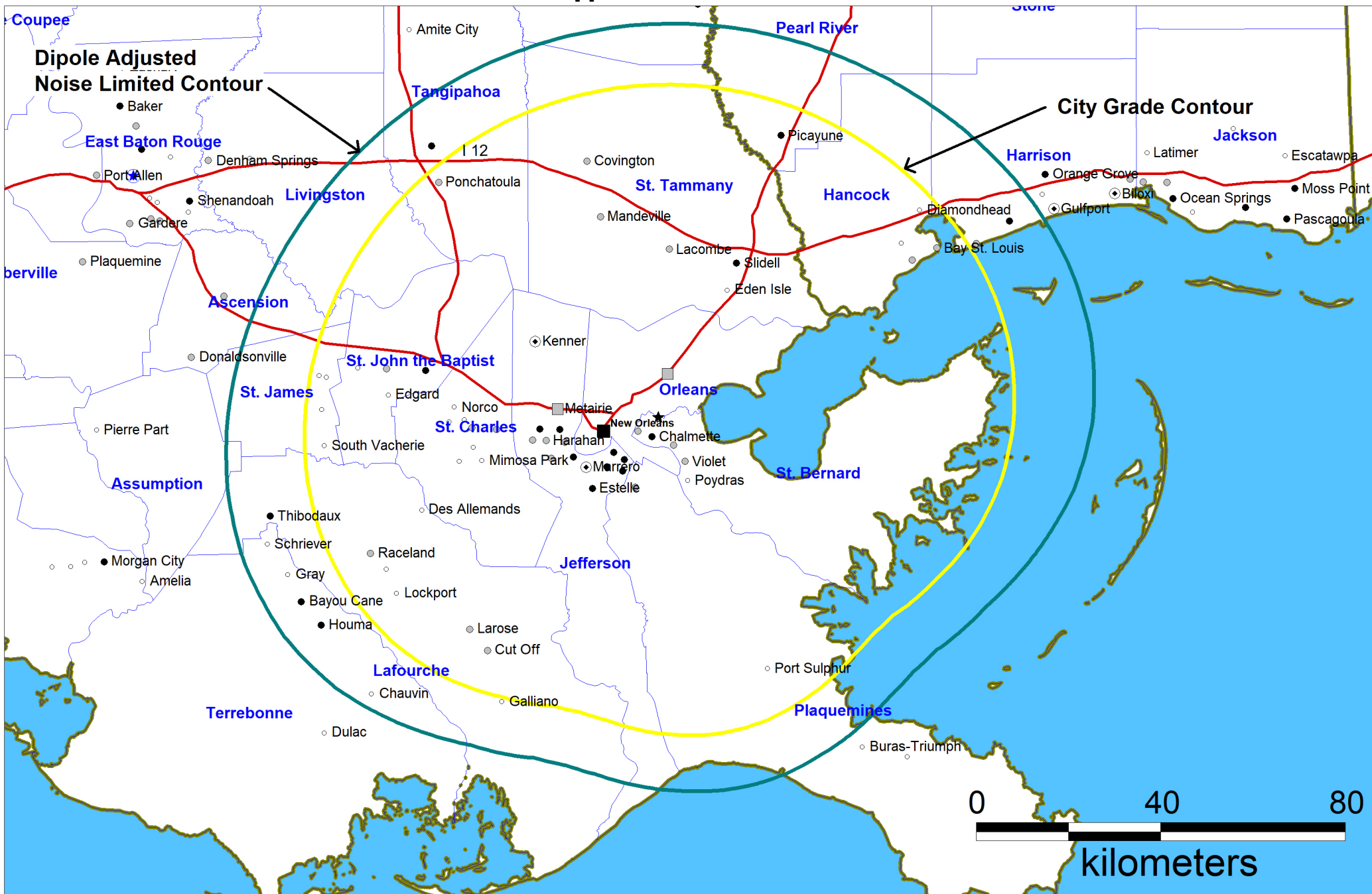


**WYES Channel 28 Predicted Noise Limited Service Margin Inside Authorized CP Noise Limited Contour**  
**CP-MOD Proposed Shared Antenna Facility on WLAE Tower ERP 1,000 kW RCAMSL 269.6 m**

**Predicted Service Margin in dB Above Noise Limited Threshold**



# Appendix C



**WYES Channel 28 Predicted Noise Limited & City Grade Contours**  
**CP-MOD - Proposed Shared Antenna Facility on WLAE Tower (ASR 1000007)**  
**ERP 1,000 kW RCAMS 269.6 m**