

**CP-Mod Engineering Statement
Site Change Application
WYES-TV New Orleans, LA
Channel 28
May 9, 2023**

In this application, the licensee of WYES-TV (WYES) proposes to relocate the facility authorized in Construction Permit File No. 0000206608 back to the currently licensed site. After previously modifying this construction to move to a different site (ASR 1000007) it was determined that the tower at that site has structural problems that would need to be addressed prior to constructing the new WYES facility. In that WYES has been unable to reach a reasonable cost sharing agreement with the current tower owner to cover the expense of the needed tower repairs, the decision has been made to return to the current WYES licensed location (ASR 1022409).

The facility proposed in this application has been modified slightly from that specified in the original construction (File No. 0000153421); however, the ERP will remain at 1,000 kW while the RCAMSL will decrease from 306.5 m to 304.8 m and the ERI antenna will be replaced with similar antenna from Dielectric. It has been determined that the facility now proposed will not cause any new interference above the allowable limit. In addition, it has also been determined that the predicted service of the proposed facility when computed inside the current licensed noise limited contour (NLC) is slightly greater than provided by the current licensed facility. The current licensed predicted service population is 1,872,059 people; whereas the predicted service population provided by the proposed facility when computed inside the licensed NLC is 1,872,115. Therefore, the proposed facility would result in no service loss. The interference analysis using the FCC's TVStudy software with the default settings and the predicted coverage comparison are documented appendices A and B below. Furthermore, the City Grade service contour of the proposed facility will fully encompass the city of license (See Appendix B).

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.

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Appendix A

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: 02083_05092023_WYES_25090, Model: Longley-Rice

Start: 2023.05.09 11:28:21

Study created: 2023.05.09 11:28:21

Study build station data: LMS TV 2023-05-07

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

File number: 02083_05092023_WYES_25090

Facility ID: 25090

Station data: User record

Record ID: 1848

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	219.1 km
Yes	WWL-TV	D27	DT	LIC	NEW ORLEANS, LA	BLANK0000203662	10.2
No	WMCF-TV	D28	DT	LIC	MONTGOMERY, AL	BLANK0000107502	448.8
No	WFSG	D28	DT	LIC	PANAMA CITY, FL	BLANK0000064507	389.5
Yes	KATC	D28	DT	LIC	LAFAYETTE, LA	BLCDT20071109AAV	228.7
Yes	WMAW-TV	D28	DT	LIC	MERIDIAN, MS	BLANK0000106235	256.1
No	WFBD	D29	DD	CP	DESTIN, FL	BLANK0000182313	293.6
No	WVUE-DT	D29	DT	CP	NEW ORLEANS, LA	BLANK0000127677	0.0
No	WVUE-DT	D29	DT	LIC	NEW ORLEANS, LA	BLANK0000203686	0.0

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 57 14.00 N (NAD83)

Longitude: 89 56 58.00 W

Height AMSL: 304.8 m

HAAT: 304.0 m

Peak ERP: 1000 kW

Antenna: DIE TFU_23ETT_VP_R_4P200_FCC_FILE 0.0 deg

Elev Pattn: DIE TFU_23ETT_VP_R_4P200_ELEV_FCC_FILE

Elec Tilt: 0.75

40.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	353 kW	305.8 m	89.8 km
45.0	636	304.8	95.1
90.0	908	304.7	98.3
135.0	131	304.5	81.8
180.0	189	304.6	84.5
225.0	566	305.1	94.0
270.0	841	303.5	97.5
315.0	403	304.8	90.9

Database HAAT does not agree with computed HAAT

Database HAAT: 304 m Computed HAAT: 305 m

Distance to Canadian border: 1457.1 km

Distance to Mexican border: 814.8 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 47.3 degrees Distance: 656.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 313.3 degrees Distance: 1786.8 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%

Interference to BLANK0000203662 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
Undesireds:	WWL-TV	D27	DT	LIC	NEW ORLEANS, LA	BLANK0000203662	
	WYES-TV	D28	DT	BL	NEW ORLEANS, LA	DTVBL25090	10.2 km
	WYES-TV	D28	DT	APP	NEW ORLEANS, LA	02083_05092023_WYES_25	10.2
	WGNO	D26	DT	LIC	NEW ORLEANS, LA	BLANK0000204141	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	31114.9	1,771,502
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	12.0		110		4.0		105
WGNO D26 DT LIC	4.0		5		0.0		0
WFNA D27 DT LIC	429.1		17,017		421.1		17,012

Interference to BLCDT20071109AAV LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
Undesireds:	KATC	D28	DT	LIC	LAFAYETTE, LA	BLCDT20071109AAV	
	WYES-TV	D28	DT	BL	NEW ORLEANS, LA	DTVBL25090	228.7 km
	WYES-TV	D28	DT	APP	NEW ORLEANS, LA	02083_05092023_WYES_25	228.7

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	41679.6 1,339,169	-0.02 -0.01
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	212.9	4,847	212.9	4,847		
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

Interference to BLANK0000106235 LIC scenario 1

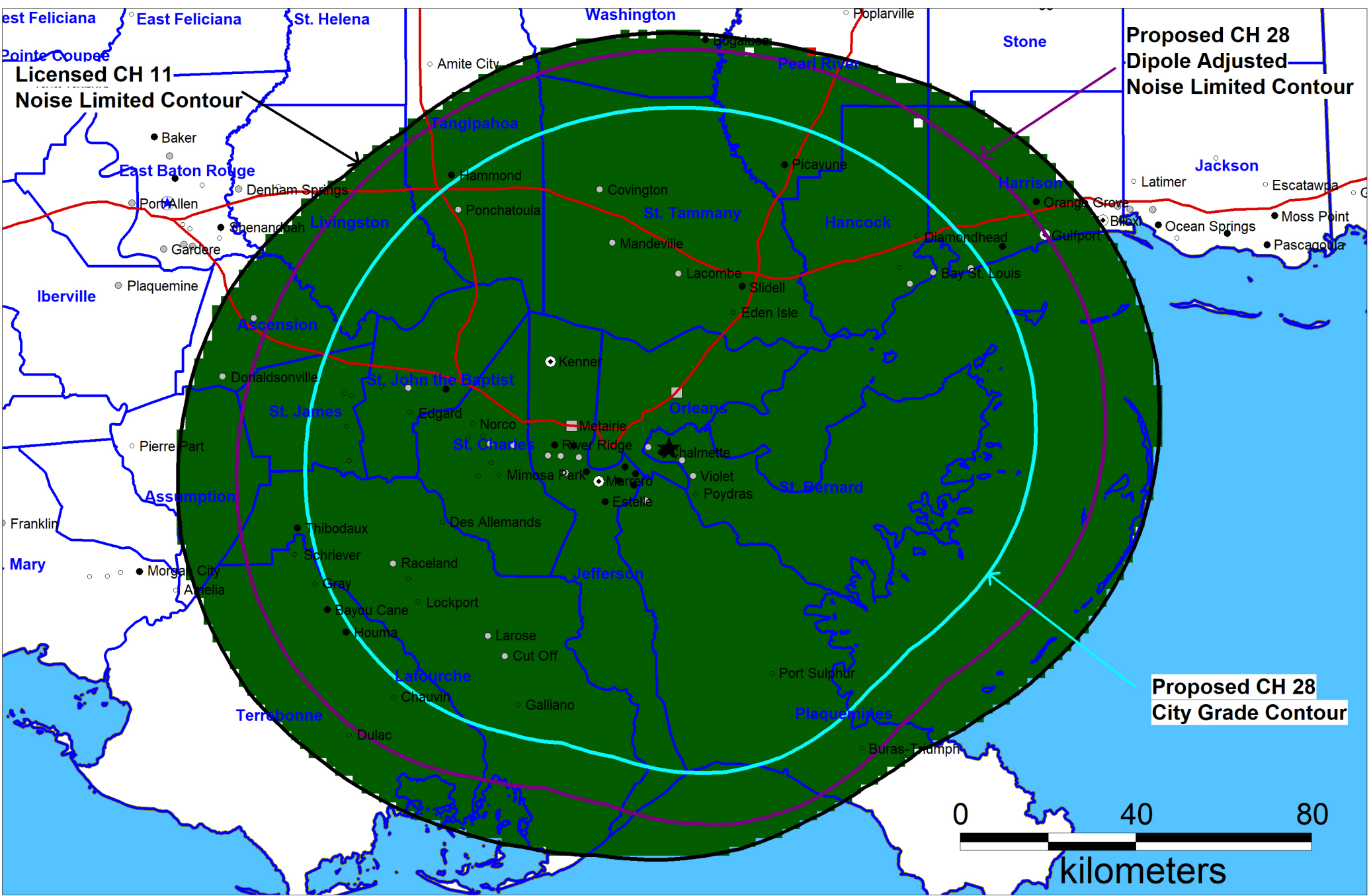
	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMAW-TV	D28	DT	LIC	MERIDIAN, MS	BLANK0000106235	
Undesireds:	WYES-TV	D28	DT	BL	NEW ORLEANS, LA	DTVBL25090	256.1 km
	WYES-TV	D28	DT	APP	NEW ORLEANS, LA	02083_05092023_WYES_25	256.1
	WCBI-TV	D27	DT	LIC	COLUMBUS, MS	BLANK0000059851	180.4
	WMCF-TV	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	31571.5 709,781	0.11 0.04	
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	191.0	4,116	147.0	1,572			
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	

Interference to proposal scenario 1

0.63% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WYES-TV	D28	DT	APP	NEW ORLEANS, LA	02083_05092023_WYES_25	
Undesireds:	WWL-TV	D27	DT	LIC	NEW ORLEANS, LA	BLANK0000203662	10.2 km
	KATC	D28	DT	LIC	LAFAYETTE, LA	BLCDT20071109AAV	228.7
	WMAW-TV	D28	DT	LIC	MERIDIAN, MS	BLANK0000106235	256.1
	WVUE-DT	D29	DT	CP	NEW ORLEANS, LA	BLANK0000127677	0.0
Service area			Terrain-limited	IX-free	Percent IX		
26334.2	1,675,865	26330.2	1,675,735	26049.1 1,665,215	1.07 0.63		
Undesired			Total IX	Unique IX	Prct Unique IX		

WWL-TV D27 DT LIC	12.0	175	8.0	113	0.03	0.01
KATC D28 DT LIC	213.1	9,692	213.1	9,692	0.81	0.58
WMAW-TV D28 DT LIC	60.0	715	56.0	653	0.21	0.04



Appendix B

WYES Proposed Channel 28 Predicted Service
 ERP 1,000 kW RCAMSL 304.8 m
 Ant. DIE TFU-23ETT/VP-R 4P200

vs

Licensed Channel 11 inside the Licensed NLC

Channel 28 Predicted Service

Channel 11 Predicted Service Area not served by Channel 28