

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: 01166_07132021_WYES_25090, Model: Longley-Rice
Start: 2021.07.13 12:25:08

Study created: 2021.07.13 12:25:08

Study build station data: LMS TV 2021-07-09

Proposal: WYES-TV D28 DT APP *P NEW ORLEANS, LA
File number: BLANK0000139972
Facility ID: 25090
Station data: LMS TV 2021-07-09
Record ID: 25076f9178b37ea70178b88416540595
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	BLANK0000109373	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	WVUE-DT	D29	DT	CP	NEW ORLEANS, LA	BLANK0000127677	0.0
No	WVUE-DT	D29	DT	LIC	NEW ORLEANS, LA	BLCDT20110502AEC	0.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D28
Latitude: 29 57 14.00 N (NAD83)
Longitude: 89 56 58.00 W
Height AMSL: 306.5 m
HAAT: 306.0 m
Peak ERP: 1000 kW
Antenna: ERI-ATW32HS3-ETWC-28H (ID 1007973) 165.0 deg

Elev Pattn: ERI-ATW32HS3-ETWC-28H

Elec Tilt: 0.75

40.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	268 kW	307.5 m	87.7 km
45.0	671	306.5	95.8
90.0	1000	306.4	99.3
135.0	845	306.2	97.8
180.0	810	306.3	97.4
225.0	968	306.8	99.1
270.0	840	305.2	97.7
315.0	350	306.5	89.8

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 BLANK0000109373 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WWL-TV	D27	DT	LIC	NEW ORLEANS, LA	BLANK0000109373	
Undesireds:	WYES-TV	D28	DT	APP	NEW ORLEANS, LA	BLANK0000139972	10.2 km
	WGNO	D26	DT	LIC	NEW ORLEANS, LA	BLCDT20121019AAK	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	31118.9	1,771,607	31110.9	1,771,373	0.03	0.01
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Undesired		Total IX	Unique IX, before	Unique IX, after
WYES-TV D28 DT APP	16.0	239		8.0 234
WGNO D26 DT LIC	4.0	5	0.0 0	0.0 0
WFNA D27 DT LIC	429.1	17,017	425.1 17,012	421.1 17,012

Interference to BLCDT20071109AAV LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KATC	D28	DT	LIC	LAFAYETTE, LA	BLCDT20071109AAV	
Undesireds:	WYES-TV	D28	DT	APP	NEW ORLEANS, LA	BLANK0000139972	228.7 km
	KBTB-TV	D27	DT	LIC	PORT ARTHUR, TX	BLANK0000063140	163.9
	KTBS-TV	D28	DT	LIC	SHREVEPORT, LA	BLANK0000053971	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	41892.4 1,344,016	41647.4 1,338,214	0.58 0.43

Undesired		Total IX	Unique IX, before	Unique IX, after
WYES-TV D28 DT APP	245.1	5,802		245.1 5,802
KBTB-TV D27 DT LIC	28.1	13	0.0 0	0.0 0
KTBS-TV D28 DT LIC	135.1	2,388	0.0 0	0.0 0
KCEB D28 DT LIC	135.1	2,388	0.0 0	0.0 0
KITU-TV D29 DT LIC	305.4	2,493	277.3 2,480	277.3 2,480

Interference to BLANK0000106235 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMAW-TV	D28	DT	LIC	MERIDIAN, MS	BLANK0000106235	
Undesireds:	WYES-TV	D28	DT	APP	NEW ORLEANS, LA	BLANK0000139972	256.1 km
	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	31718.5 711,353	31583.4 709,918	0.43 0.20

Undesired		Total IX	Unique IX, before		Unique IX, after	
WYES-TV D28 DT APP	175.1	3,974			135.1	1,435
WCBI-TV D27 DT LIC	52.0	314	16.0	30	16.0	30
WMCF-TV D28 DT LIC	512.0	1,131	484.0	1,129	476.0	1,105
KATC D28 DT LIC	52.1	2,580	52.1	2,580	20.1	65
WREG-TV D28 DT LIC	72.1	356	36.0	74	36.0	74

Interference to proposal scenario 1
0.68% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WYES-TV	D28	DT	APP	NEW ORLEANS, LA	BLANK0000139972	
Undesireds:	WWL-TV	D27	DT	LIC	NEW ORLEANS, LA	BLANK0000109373	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
28786.6	1,674,833	28782.6	1,674,703	28501.4	1,663,320	0.98 0.68

Undesired		Total IX		Unique IX	Prcnt Unique IX
WWL-TV D27 DT LIC	8.0	175	4.0	113	0.01 0.01
KATC D28 DT LIC	233.2	10,709	225.2	10,709	0.78 0.64
WMAW-TV D28 DT LIC	52.0	561	40.0	499	0.14 0.03