tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: WQDT_renalysis, Model: Longley-Rice
Start: 2018.11.09 14:56:19

Study created: 2018.11.09 14:56:19

Study build station data: LMS TV 2018-11-04

    Proposal: WQDT-LD D18 LD APP LUMBERTON, MS
 File number: WQDT_renalysis
 Facility ID: 187805
Station data: User record
   Record ID: 1825
     Country: U.S.

Build options:
Protect pre-transition records not on baseline channel

Search options:
Non-U.S. records included

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WEAR-TV	D17	DT	LIC	PENSACOLA, FL	BLCDT20050627AAK	257.0 km
No	KLWB	D17	DT	CP	NEW IBERIA, LA	BLANK0000034171	176.5
No	WUPL	D17	DT	CP	SLIDELL, LA	BLANK0000034693	15.1
No	WDBB	D18	DT	LIC	BESSEMER, AL	BLCDT20060421ABG	476.7
Yes	WMPV-TV	D18	DT	CP	MOBILE, AL	BLANK0000034775	260.4
No	WBMM	D18	DT	CP	TUSKEGEE, AL	BLANK0000027063	470.7
No	KMYA-DT	D18	DT	CP	CAMDEN, AR	BLANK0000028486	442.5
No	WJHG-TV	D18	DT	LIC	PANAMA CITY, FL	BLANK0000001551	464.5
No	K18JF-D	D18	LD	LIC	LAFAYETTE, LA	BLANK0000014028	222.0
No	KVHP	D18	DT	CP	LAKE CHARLES, LA	BLANK0000034232	327.8
No	W18EC-D	D18	LD	CP	LAKE CHARLES, LA	BNPDTL20100429ADI	296.1
Yes	WBXN-CD	D18	DC	LIC	NEW ORLEANS, LA	BLDTA20131104ARF	15.1
No	KWMS-LP	D18	LD	LIC	WEST MONROE, LA	BLDTL20130128ACB	341.5
No	KWMS-LP	D18	LD	CP	WEST MONROE, LA	BDISDTL20101001AAD	341.5
No	WMAU-TV	D18	DT	LIC	BUDE, MS	BLEDT20090327ABW	171.0
No	W18EL-D	D18	LD	CP	LAUREL, MS	BNPDTL20100510AFO	223.6
No	K18JK-D	D18	LD	CP	Beaumont, TX	BLANK0000008414	364.7
No	KAJN-CD	D19	DC	CP	LAFAYETTE, LA	BLANK0000029260	174.1
No	WDSU	D19	DT	CP	NEW ORLEANS, LA	BLANK0000034524	23.4
No	W19EB-D	D19	LD	LIC	LUMBERTON, MS	BLANK0000013955	172.7
No	W19EB-D	D19	LD	CP	LUMBERTON, MS	BLANK0000058680	182.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

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    Channel: D18
       Mask: Full Service
   Latitude:  29 54 39.40 N (NAD83)
  Longitude:  90 11 46.10 W
Height AMSL: 109.3 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: DIE-TUA-C3 (ID 1000688) 170.0 deg
Elev Pattrn: Generic
  Elec Tilt: 0.75
```

49.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.035 kW	109.7 m	15.4 km
45.0	5.85	108.7	41.1
90.0	13.5	107.3	45.1
135.0	9.52	109.2	43.6
180.0	13.4	109.5	45.3
225.0	9.96	109.6	43.8
270.0	14.1	109.0	45.5
315.0	1.40	107.6	33.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 109 m

Distance to Canadian border: 1471.4 km

Distance to Mexican border: 792.1 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 48.2 degrees Distance: 677.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 313.8 degrees Distance: 1772.9 km

No land mobile station failures found

**Proposal is within the Offshore Radio Service protected area

Study cell size: 0.50 km
Profile point spacing: 0.10 km

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

Interference to BLANK0000034775 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMPV-TV	D18	DT	CP	MOBILE, AL	BLANK0000034775	
Undesireds:	WQDT-LD	D18	LD	APP	LUMBERTON, MS	WQDT_renalysis	260.4 km
	WEAR-TV	D17	DT	LIC	PENSACOLA, FL	BLCDT20050627AAK	3.6
	WBMM	D18	DT	CP	TUSKEGEE, AL	BLANK0000027063	226.1
	WMAU-TV	D18	DT	LIC	BUDE, MS	BLEDT20090327ABW	311.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX

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 35663.6   1,428,003   35571.8   1,427,728   35014.0   1,423,475   35014.0   1,423,475
0.00     0.00

Undesired                          Total IX     Unique IX, before      Unique IX, after
WQDT-LD D18 LD APP         0.5           0                             0.0           0
WEAR-TV D17 DT LIC       269.5       2,726     268.7       2,726     268.7       2,726
WBMM D18 DT CP             5.7           6       5.7           6       5.7           6
WMAU-TV D18 DT LIC       283.4       1,521     282.6       1,521     282.1       1,521

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Interference to BLANK0000034775 CP scenario 2

             Call      Chan  Svc Status  City, State               File Number
Distance
Desired:     WMPV-TV   D18   DT  CP      MOBILE, AL                BLANK0000034775

Undesireds:  WQDT-LD   D18   LD  APP     LUMBERTON, MS             WQDT_renalysis
260.4 km
             WEAR-TV   D17   DT  LIC     PENSACOLA, FL             BLCDT20050627AAK
3.6
             WBMM      D18   DT  BL      TUSKEGEE, AL              DTVBL68427
226.1
             WMAU-TV   D18   DT  LIC     BUDE, MS                  BLEDT20090327ABW
311.3

        Service area       Terrain-limited       IX-free, before        IX-free, after
Percent New IX
 35663.6   1,428,003   35571.8   1,427,728   35014.0   1,423,475   35014.0   1,423,475
0.00     0.00

Undesired                          Total IX     Unique IX, before      Unique IX, after
WQDT-LD D18 LD APP         0.5           0                             0.0           0
WEAR-TV D17 DT LIC       269.5       2,726     268.7       2,726     268.7       2,726
WBMM D18 DT BL             5.7           6       5.7           6       5.7           6
WMAU-TV D18 DT LIC       283.4       1,521     282.6       1,521     282.1       1,521

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Interference to BLDTA20131104ARF LIC scenario 1
**IX: 84.24% interference caused-WBXN has been reassigned to Ch36

             Call      Chan  Svc Status  City, State               File Number
Distance
Desired:     WBXN-CD   D18   DC  LIC     NEW ORLEANS, LA           BLDTA20131104ARF

Undesireds:  WQDT-LD   D18   LD  APP     LUMBERTON, MS             WQDT_renalysis
15.1 km

        Service area       Terrain-limited       IX-free, before        IX-free, after
Percent New IX
  4988.3     927,427    4988.3     927,427    4988.3     927,427     149.5     146,175
97.00    84.24

Undesired                          Total IX     Unique IX, before      Unique IX, after
WQDT-LD D18 LD APP      4838.8     781,252                           4838.8     781,252

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Interference to proposal scenario 1
11.01% interference received

             Call      Chan  Svc Status  City, State               File Number
Distance
Desired:     WQDT-LD   D18   LD  APP     LUMBERTON, MS             WQDT_renalysis

Undesireds:  WUPL      D17   DT  CP      SLIDELL, LA               BLANK0000034693
15.1 km
             WDSU      D19   DT  CP      NEW ORLEANS, LA           BLANK0000034524
23.4
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Service area		Terrain-limited		IX-free		Percent IX	
5109.9	939,477	5109.9	939,477	3175.8	836,028	37.85	11.01

Undesired	Total IX		Unique IX		Prcnt Unique IX	
WUPL D17 DT CP	1733.5	103,300	797.1	47,290	15.60	5.03
WDSU D19 DT CP	1136.9	56,159	200.6	149	3.93	0.02