

Displacement

WDNM-LD is on Channel 21 and is being displaced by WJKT, Channel 21, Jackson, TN. See the study below.

Study created: 2018.03.28 11:14:14

Study build station data: LMS TV 2018-03-21 (45)

Proposal: WDNM-LD D21 LD LIC MEMPHIS, TN
 File number: BLDTL20110105ABL
 Facility ID: 26251
 Station data: User record
 Record ID: 1032
 Country: U.S.

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

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W20DF-D	D20	LD	LIC	RUSSELLVILLE, AL	BLANK0000004499	207.1 km
Yes	KTEJ	D20	DT	LIC	JONESBORO, AR	BLEDT20110818AAQ	118.6
No	K39CP	D20+	LD	APP	POPLAR BLUFF, MO	BLANK0000029995	192.5
No	W20DW-D	D20	LD	CP	CLARKSDALE, MS	BMPDTL20130320AEA	135.4
Yes	WBII-CD	D20	DC	LIC	HOLLY SPRINGS, MS	BLDTA20090513AFM	72.2
No	WHJK-LD	D20	LD	CP	JACKSON, TN	BMPDTL20111007ADX	122.9
No	WTTO	D21	DT	CP	HOMEWOOD, AL	BLANK0000029999	336.1
No	W21DM-D	D21	LD	LIC	TUSCALOOSA, AL	BLANK0000013996	328.2
No	W21DM-D	D21	LD	CP	TUSCALOOSA, AL	BLANK0000018939	336.1
No	KCIB-LD	D21	LD	LIC	EL DORADO, AR	BLDTL20120423AAH	331.6
No	KHBS	D21	DT	LIC	FORT SMITH, AR	BLCDT20031121AMR	435.3
No	K21JS	N21	TX	LIC	HARRISON, AR	BLTTL20111121DXG	325.8
No	K21JS	D21	LD	CP	HARRISON, AR	BDFCDTL20091204AEC	325.8
No	KKYK-CD	D21	DC	CP	LITTLE ROCK, AR	BLANK0000029217	239.7
No	WPXS	D21	DT	LIC	MOUNT VERNON, IL	BLCDT20081103AAG	398.6
No	KPXJ	D21	DT	LIC	MINDEN, LA	BLANK0000003708	460.1
No	WAPT	D21	DT	LIC	JACKSON, MS	BLCDT20081126ALZ	317.2
No	W21DB-D	D21	LD	CP	MERIDIAN, MS	BLANK0000029272	328.8
No	W21DB-D	D21	LD	LIC	MERIDIAN, MS	BLDTL20140429ASW	321.9
Yes	WJKT	D21	DT	CP	JACKSON, TN	BLANK0000027712	104.1
No	WUXP-TV	D21	DT	LIC	NASHVILLE, TN	BLCDT20060414AAU	307.5

No	WFIQ	D22	DT	LIC	FLORENCE, AL	BLEDT20060718ACG	201.3
No	KJNE-LD	D22z	LD	APP	JONESBORO, AR	BLANK0000029560	111.8
No	KATV	D22	DT	LIC	LITTLE ROCK, AR	BLCDT20090225AAV	239.2
No	KBSI	D22	DT	LIC	CAPE GIRARDEAU, MO	BLCDT20110608ABZ	256.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D21
Mask: Stringent
Latitude: 35 6 44.10 N (NAD83)
Longitude: 89 53 31.20 W
Height AMSL: 232.8 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: SWR-SWLP8OI (ID 24202) 240.0 deg
Elev Pattn: Generic
Elec Tilt: 1.75

49.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	5.40 kW	147.3 m	43.1 km
45.0	6.63	139.8	43.7
90.0	6.14	146.3	43.7
135.0	5.77	141.9	43.1
180.0	10.1	135.2	45.5
225.0	14.7	148.6	48.3
270.0	13.5	142.1	47.5
315.0	8.10	153.0	45.6

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 144 m

Distance to Canadian border: 956.1 km

Distance to Mexican border: 1214.2 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 104.9 degrees Distance: 493.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 297.0 degrees Distance: 1457.7 km

No land mobile station failures found

Study cell size: 1.00 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%

**IX check failure to BLANK0000027712 CP scenario 1, 13.60% interference caused

**IX check failure to BLANK0000027712 CP scenario 2, 13.59% interference caused

---- Below is IX received by proposal BLDTL20110105ABL ----

Proposal receives 3.31% interference from scenario 1