

**Note:**  
**Study cell size: 1.00 km**  
**Profile point spacing: 0.10 km**

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: W40DN\_Ch23\_Omni\_Pre, Model: Longley-Rice  
Start: 2019.04.18 10:38:36

Study created: 2019.04.18 10:28:19

Study build station data: LMS TV 2019-04-18

Proposal: W40DN-D D23 LD APP GREENVILLE, MS  
File number: W40DN\_Ch23\_Omni  
Facility ID: 188788  
Station data: User record  
Record ID: 847  
Country: U.S.

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

Search options:  
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KATV	D22	DT	LIC	LITTLE ROCK, AR	BLCDT20090225AAV	203.4 km
No	K22IB-D	D22	LD	CP	VIDALIA, LA	BDCCDTT20061024AFE	220.5
No	KMCT-TV	D22	DT	LIC	WEST MONROE, LA	BLANK0000063151	146.0
No	W22EO-D	D22	LD	CP	GREENVILLE, MS	BNPDTL20101018ACV	0.0
No	WEBU-LP	D22+	LD	CP	WEBB, MS	BLANK0000054535	129.5
No	WDNM-LD	D22	LD	APP	MEMPHIS, TN	BLANK0000051813	214.8
No	WDPM-DT	D23	DT	LIC	MOBILE, AL	BLCDT20090420AAD	449.0
No	WVUA-CD	D23	DC	LIC	TUSCALOOSA/NORTHPORT, AL	BLANK0000001646	327.7
No	KLMB-CD	D23z	DC	LIC	EL DORADO, AR	BLANK0000004909	152.9
No	KKTN-LD	D23	LD	CP	FORT SMITH, AR	BLANK0000010943	374.3
No	K38OS-D	D23	LD	CP	HOT SPRINGS, AR	BLANK0000052525	210.9
No	KJEP-LP	N23-	TX	LIC	NASHVILLE, AR	BLTTL19960111AE	265.7
No	WKPD	D23	DT	CP	PADUCAH, KY	BLANK0000034632	460.6
No	K23MM-D	D23	LD	LIC	ALEXANDRIA, LA	BLANK0000014074	270.1
No	WSTY-LP	N23-	TX	LIC	HAMMOND, LA	BLTTL19990104JE	324.4
No	KLPB-TV	D23	DT	LIC	LAFAYETTE, LA	BLEDT20130820AAH	364.5
No	WLAE-TV	D23	DT	CP	NEW ORLEANS, LA	BLANK0000027977	395.7
No	KSLA	D23	DT	CP	SHREVEPORT, LA	BLANK0000034150	283.2
No	KOZK	D23	DT	LIC	SPRINGFIELD, MO	BLEDT20030911AAS	451.1
No	WHPM-LD	D23	LD	LIC	HATTIESBURG, MS	BLDTL20111201MCO	279.9
Yes	WWJX	D23	DT	LIC	JACKSON, MS	BLCDT20110824ABD	165.3
No	W27DS-D	D23	LD	APP	STARKVILLE, MS	BLANK0000071801	209.2
Yes	WTWV	D23	DT	LIC	MEMPHIS, TN	BLANK0000048888	227.5
No	KVTN-DT	D24	DT	LIC	PINE BLUFF, AR	BLCDT20071231AFB	154.8
No	KCWL-LD	D24	LD	CP	MONROE, LA	BLANK0000068619	141.2
No	W24EJ-D	D24	LD	CP	GREENVILLE, MS	BNPDTL20101018ACW	0.0
No	WMDN	D24	DT	APP	MERIDIAN, MS	BLANK0000035927	249.8
No	WMDN	D24	DT	LIC	MERIDIAN, MS	BLCDT20090304ADW	249.8

Non-directional AM stations within 0.8 km:  
WGVM 1260 L ND2 D GREENVILLE, MS BL20141211ACI  
WGVM 1260 L ND2 N GREENVILLE, MS BL20141211ACI

Directional AM stations within 3.2 km:  
WNIX 1330 X GREENVILLE, MS BESTA20121205ADO  
WNIX 1330 X GREENVILLE, MS BESTA20130717AOW

Record parameters as studied:

Channel: D23  
Mask: Full Service  
Latitude: 33 25 24.90 N (NAD83)  
Longitude: 91 1 41.70 W  
Height AMSL: 127.1 m

HAAT: 0.0 m  
Peak ERP: 10.0 kW  
Antenna: Omnidirectional  
Elev Pattn: Generic

49.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	10.0 kW	88.3 m	40.8 km
45.0	10.0	90.0	41.0
90.0	10.0	90.4	41.1
135.0	10.0	92.9	41.4
180.0	10.0	92.3	41.3
225.0	10.0	89.1	40.9
270.0	10.0	91.2	41.2
315.0	10.0	89.3	40.9

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 90 m

Distance to Canadian border: 1169.6 km

Distance to Mexican border: 1004.2 km

Conditions at FCC monitoring station: Powder Springs GA  
Bearing: 83.5 degrees    Distance: 585.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 304.6 degrees    Distance: 1464.1 km

Study cell size: 1.00 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%

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Interference to BLCDT20110824ABD LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WWJX	D23	DT	LIC	JACKSON, MS	BLCDT20110824ABD	
Undesireds:	W40DN-D	D23	LD	APP	GREENVILLE, MS	W40DN_Ch23_Omni	165.3 km
	WDPM-DT	D23	DT	LIC	MOBILE, AL	BLCDT20090420AAD	304.9
	KLPB-TV	D23	DT	LIC	LAFAYETTE, LA	BLEDT20130820AAH	266.8
	WLAE-TV	D23	DT	CP	NEW ORLEANS, LA	BLANK0000027977	233.1
	KSLA	D23	DT	CP	SHREVEPORT, LA	BLANK0000034150	344.3
	WTWV	D23	DT	LIC	MEMPHIS, TN	BLANK0000048888	354.1
	WMDN	D24	DT	APP	MERIDIAN, MS	BLANK0000035927	158.0
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	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	7857.0	519,523	7793.5	518,377	7731.1	517,557	7728.1    517,544    0.04    0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
W40DN-D	D23	LD	APP	22.1	741	3.0	13
WDPM-DT	D23	DT	LIC	10.1	22	5.0	22
KLPB-TV	D23	DT	LIC	12.1	3	2.0	0
WLAE-TV	D23	DT	CP	49.3	227	32.2	192
KSLA	D23	DT	CP	3.0	520	2.0	520
WTWV	D23	DT	LIC	6.0	83	3.0	51
						0.0	0

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Interference to BLANK0000048888 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTWV	D23	DT	LIC	MEMPHIS, TN	BLANK0000048888	
Undesireds:	W40DN-D	D23	LD	APP	GREENVILLE, MS	W40DN_Ch23_Omni	227.5 km
	WKPD	D23	DT	CP	PADUCAH, KY	BLANK0000034632	233.3
	KETC	D23	DT	LIC	ST. LOUIS, MO	BLANK0000055432	367.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
25984.7 1,524,604	25762.2 1,521,701	25747.0 1,521,626	25737.0 1,521,612	0.04 0.00

  

Undesired	Total IX	Unique IX, before	Unique IX, after
W40DN-D D23 LD APP	10.1 14	10.1 14	10.1 14
WKPD D23 DT CP	15.2 75	13.1 75	13.1 75
KETC D23 DT LIC	2.0 0	0.0 0	0.0 0

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Interference to proposal scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: W40DN-D	D23	LD	APP	GREENVILLE, MS	W40DN_Ch23_Omni	

Service area	Terrain-limited	IX-free	Percent IX
5302.6 82,657	5302.6 82,657	5302.6 82,657	0.00 0.00