

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

tvstudy v2.2.5 (4uoc83)
Database: 192.168.0.58, Study: W07BN_Ch26_3kW_ALI_Ox3, Model: Longley-Rice
Start: 2020.07.17 15:43:51

Study created: 2020.07.17 15:43:51

Study build station data: LMS TV 2020-07-16

Proposal: W07BN-D D14 LD APP BRUCE, MS
File number: W07BN_Ch26_3kW_ALI_2x2
Facility ID: 7359
Station data: User record
Record ID: 507
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	WDBB	D14	DT	LIC	BESSEMER, AL	BLANK0000098219	211.6 km
No	W14DT-D	D14	LD	CP	MONTGOMERY, AL	BNPDTL20100402ACY	371.5
No	K14OK-D	D14	LD	CP	EL DORADO, AR	BNPDTL20100428ACK	324.3
No	K14SW-D	D14	LD	CP	JONESBORO, AR	BLANK0000071893	206.1
No	KARZ-TV	D14	DT	BL	LITTLE ROCK, AR	DTVBL37005	283.0
No	WFGX	D14	DT	CP	FORT WALTON BEACH, FL	BLANK0000034394	452.1
No	WFGX	D14	DT	LIC	FORT WALTON BEACH, FL	BLANK0000112284	452.1
No	W14EV-D	D14	LD	CP	EVANSVILLE, IN	BNPDTL20090825AXM	429.7
No	KNLC	D14	DT	LIC	ST. LOUIS, MO	BLCDT20061228AAC	452.7
No	KNLC	D14	DT	CP	ST. LOUIS, MO	BLANK0000035663	452.7
No	W14EH-D	D14	LD	CP	GREENVILLE, MS	BLANK0000036284	181.1
No	WDBD	D14	DT	LIC	JACKSON, MS	BLANK0000064020	256.5
No	W14DV-D	D14	LD	CP	PURVIS, MS	BNPDTL20100510AFA	360.0
No	W40BZ	D14z	LD	CP	TUPELO, MS	BLANK0000054884	78.3
No	WDSI-TV	D14	DT	LIC	CHATTANOOGA, TN	BLANK0000059350	386.8
Yes	WMC-TV	D14	LD	APP	MEMPHIS, TN	BLANK0000116802	95.7
No	WIIW-LP	N14z	TX	LIC	NASHVILLE, TN	BLANK0000010767	315.7
No	W14EJ-D	D14	LD	CP	SPRING HILL, TN	BNPDTL20100514AIZ	167.6
No	WSSF-LD	D15	LD	LIC	FAYETTE, AL	BLDTL20080626AAG	168.9
No	WAFF	D15	DT	LIC	HUNTSVILLE, AL	BLANK0000111344	269.1
No	WFXW	D15	DT	LIC	GREENVILLE, MS	BLCDT20090612ACI	141.3
No	W15CG	D15	LD	CP	PONTOTOC, MS	BDFCDTL20130219ABI	46.4
No	W15CG	N15-	TX	LIC	PONTOTOC, MS	BLTTL20050308ABV	46.4
No	WDDY-LD	D15	LD	CP	JACKSON, TN	BNPDTL20100319AEP	151.4
No	WWWN-LP	N15+	TX	LIC	MEMPHIS, TN	BLTTL20111121DBI	97.6
No	W15EA-D	D15	DC	LIC	MEMPHIS, TN	BLANK0000093191	103.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D14
Mask: Full Service
Latitude: 34 23 8.00 N (NAD83)
Longitude: 89 26 54.00 W
Height AMSL: 234.8 m
HAAT: 0.0 m
Peak ERP: 3.00 kW
Antenna: Alive Custom 2x2 0.0 deg
Elev Pattn: Generic

48.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.671 kW	112.5 m	30.9 km
45.0	0.004	98.9	8.9
90.0	0.009	98.8	10.8
135.0	0.844	103.7	31.3
180.0	3.00	112.6	38.6
225.0	0.919	107.2	32.1
270.0	1.11	108.7	33.2
315.0	2.93	124.3	39.4

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 108 m

Distance to Canadian border: 1000.3 km

Distance to Mexican border: 1178.0 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 96.3 degrees Distance: 438.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 299.2 degrees Distance: 1531.5 km

No land mobile station failures found

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%

Interference to BLANK0000116802 APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMC-TV	D14	LD	APP	MEMPHIS, TN	BLANK0000116802	
Undesireds:	W07BN-D	D14	LD	APP	BRUCE, MS	W07BN_Ch26_3kW_ALI_Ox3	95.7 km
	K14SW-D	D14	LD	CP	JONESBORO, AR	BLANK0000071893	113.8
	W15CG	D15	LD	CP	PONTOTOC, MS	BDFCDTL20130219ABI	133.3
	W15EA-D	D15	DC	LIC	MEMPHIS, TN	BLANK0000093191	15.4
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	9480.0	1,272,110	9477.0	1,272,110	9445.3	1,271,984	0.01 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
W07BN-D D14 LD APP			1.0	2		1.0 2	
K14SW-D D14 LD CP			11.9	0	11.9 0	11.9 0	
W15EA-D D15 DC LIC			19.9	126	19.9 126	19.9 126	

Interference to proposal scenario 1

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Undesireds:	WDBB	D14	DT	LIC	BESSEMER, AL	BLANK0000098219	211.6 km
	WDBD	D14	DT	LIC	JACKSON, MS	BLANK0000064020	256.5
	WMC-TV	D14	LD	APP	MEMPHIS, TN	BLANK0000116802	95.7
	W15CG	D15	LD	CP	PONTOTOC, MS	BDFCDTL20130219ABI	46.4
	Service area		Terrain-limited		IX-free	Percent IX	
	2821.3	60,359	2767.6	59,712	2639.3	58,891	4.63 1.37
Undesired				Total IX	Unique IX	Prcnt Unique IX	
WDBB D14 DT LIC			42.1	368	10.0 149	0.36 0.25	
WDBD D14 DT LIC			10.9	81	3.0 10	0.11 0.02	
WMC-TV D14 LD APP			111.3	616	79.2 418	2.86 0.70	