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

tvstudy v2.2.5 (4uoc83)
Database: 192.168.0.58, Study: WYMP_Ch14_3kW_ALI_1x2_S2a, Model: Longley-Rice
Start: 2020.12.01 15:48:53

Study created: 2020.12.01 15:48:53

Study build station data: LMS TV 2020-11-30

    Proposal: WYMP-LD D14 LD APP BRUCE, MS
 File number: WYMP_Ch14_3kW_ALI_1x2_S2a
 Facility ID: 7359
Station data: User record
   Record ID: 594
     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	233.4 km
No	W14DT-D	D14	LD	CP	MONTGOMERY, AL	BNPDTL20100402ACY	397.7
No	K14OK-D	D14	LD	CP	EL DORADO, AR	BNPDTL20100428ACK	346.6
No	K14SW-D	D14	LD	CP	JONESBORO, AR	BLANK0000071893	174.0
No	KARZ-TV	D14	DT	BL	LITTLE ROCK, AR	DTVBL37005	281.4
No	W14EV-D	D14	LD	CP	EVANSVILLE, IN	BNPDTL20090825AXM	388.6
No	W14DG-D	D14	LD	LIC	BOWLING GREEN, KY	BLANK0000020945	357.3
No	K17FU-D	D14	LD	CP	MARSHFIELD, MO	BLANK0000054720	425.1
No	K17FU-D	D14	LD	LIC	MARSHFIELD, MO	BLANK0000124637	425.1
No	KNLC	D14	DT	LIC	ST. LOUIS, MO	BLANK0000118216	410.0
No	W14EH-D	D14	LD	CP	GREENVILLE, MS	BLANK0000036284	212.9
No	WDBD	D14	DT	LIC	JACKSON, MS	BLANK0000064020	299.6
No	W14DV-D	D14	LD	CP	PURVIS, MS	BNPDTL20100510AFA	404.5
No	W40BZ	D14z	LD	CP	TUPELO, MS	BLANK0000054884	99.7
No	WDSI-TV	D14	DT	LIC	CHATTANOOGA, TN	BLANK0000059350	375.6
Yes	WMC-TV	D14	LD	APP	MEMPHIS, TN	BLANK0000116802	60.2
No	WIIW-LP	N14z	TX	LIC	NASHVILLE, TN	BLANK0000010767	286.6
No	W14EJ-D	D14	LD	CP	SPRING HILL, TN	BNPDTL20100514AIZ	128.8
No	WSSF-LD	D15	LD	LIC	FAYETTE, AL	BLDTL20080626AAG	191.1
No	WAFF	D15	DT	LIC	HUNTSVILLE, AL	BLANK0000111344	263.3
No	KPOB-TV	D15	DT	LIC	POPLAR BLUFF, MO	BLCDT20090623ABU	242.6
No	WFXW	D15	DT	LIC	GREENVILLE, MS	BLCDT20090612ACI	172.5
No	W15CG	D15	LD	CP	PONTOTOC, MS	BDFCDTL20130219ABI	73.9
No	W15CG	N15-	TX	LIC	PONTOTOC, MS	BLTTL20050308ABV	73.9
No	WDDY-LD	D15	LD	CP	JACKSON, TN	BNPDTL20100319AEP	110.0
No	WWWN-LP	N15+	TX	LIC	MEMPHIS, TN	BLTTL20111121DBI	59.5
No	W15EA-D	D15	DC	LIC	MEMPHIS, TN	BLANK0000093191	63.5

Non-directional AM stations within 0.8 km:
WKRA 1110 L NDD D HOLLY SPRINGS, MS BL11442

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D14
       Mask: Full Service
   Latitude: 34 47 11.00 N (NAD83)
  Longitude: 89 25 0.00 W
Height AMSL: 214.5 m
       HAAT: 0.0 m
   Peak ERP: 3.00 kW
    Antenna: Alive Custom 1x2 0.0 deg
Elev Pattrn: Generic

48.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	2.86 kW	64.1 m	32.2 km
45.0	0.480	43.7	19.3
90.0	0.011	65.7	9.2
135.0	0.022	74.8	11.6
180.0	1.11	72.8	28.7
225.0	2.93	60.9	31.8
270.0	0.671	54.0	23.3
315.0	1.42	83.1	31.4

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 65 m

Distance to Canadian border: 961.2 km

Distance to Mexican border: 1214.5 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 102.1 degrees Distance: 442.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 297.7 degrees Distance: 1512.8 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:	WYMP-LD	D14	LD	APP	BRUCE, MS	WYMP_Ch14_3kW_ALI_1x2_	60.2 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	9263.1	1,270,043	1.93	0.15

Undesired	Total IX		Unique IX, before		Unique IX, after	
WYMP-LD D14 LD APP	182.2	1,941			182.2	1,941
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
**MX: 41.55% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WYMP-LD	D14	LD	APP	BRUCE, MS	WYMP_Ch14_3kW_ALI_1x2_	
Undesireds:	WDBB	D14	DT	LIC	BESSEMER, AL	BLANK0000098219	233.4 km
	WDBD	D14	DT	LIC	JACKSON, MS	BLANK0000064020	299.6
	WMC-TV	D14	LD	APP	MEMPHIS, TN	BLANK0000116802	60.2
	W15CG	D15	LD	CP	PONTOTOC, MS	BDFCDTL20130219ABI	73.9

Service area		Terrain-limited		IX-free		Percent IX	
1924.8	33,628	1894.7	33,308	1214.0	19,468	35.93	41.55

Undesired	Total IX		Unique IX		Prcnt Unique IX	
WDBB D14 DT LIC	17.0	301	3.0	0	0.16	0.00
WDBD D14 DT LIC	2.0	0	0.0	0	0.00	0.00
WMC-TV D14 LD APP	676.7	13,840	662.7	13,539	34.98	40.65