

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: Brazil19dlkwinceltiat20ff, Model: Longley-Rice
Start: 2022.01.12 08:26:03

Study created: 2022.01.12 08:26:03

Study build station data: LMS TV 2022-01-12

Proposal: W19FD-D D19 LD CP BRAZIL, IN
Facility ID: 186330
Station data: User record
Record ID: 1559
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	WBXC-CD	D18	DC	LIC	CHAMPAIGN/URBANA, IL	BLANK00000112220	121.6 km
No	WSEC	D18	DT	LIC	JACKSONVILLE, IL	BLANK00000150703	220.7
No	WZDS-LD	D18	LD	LIC	EVANSVILLE, IN	BLANK00000176762	141.4
No	WAWV-TV	D18	DT	LIC	TERRE HAUTE, IN	BLANK00000087258	15.9
No	WKYU-TV	D18	DT	LIC	BOWLING GREEN, KY	BLEDT20040803AAG	252.3
No	WMYO-CD	D18	DC	LIC	LOUISVILLE, KY	BLANK00000161021	172.5
No	WSTR-TV	D18	DT	LIC	CINCINNATI, OH	BLANK00000157764	260.2
No	K19KX-D	D19	LD	LIC	KEOKUK, IA	BLANK00000063796	357.9
No	WGN-TV	D19	DT	LIC	CHICAGO, IL	BMLCDT20080201APP	302.3
No	WGN-TV	D19	DT	CP	CHICAGO, IL	BLANK00000127570	302.3
No	WSIO-LD	D19+	LD	LIC	GALESBURG, IL	BLANK00000121370	275.1
No	W19EE-D	D19	LD	CP	JACKSONVILLE, IL	BLANK00000178429	219.0
No	WGEM-TV	D19	DT	CP	QUINCY, IL	BLANK00000157750	336.4
No	WHBF-TV	D19	LD	CP	ROCK ISLAND, IL	BLANK00000080887	366.3
No	W35DY-D	N19-	TX	LIC	STERLING-DIXON, IL	BLTT20070806AFB	350.7
No	W19EW-D	D19	LD	CP	EVANSVILLE, IN	BNPDTL20090825BAA	133.1
No	W19DT-D	D19	LD	CP	FORT WAYNE, IN	BNPDTL20091228AAW	295.5
No	WIPB	D19	DT	LIC	MUNCIE, IN	BLANK00000087336	211.3
No	WCZU-LD	D19	LD	LIC	BOWLING GREEN, KY	BLANK00000124983	246.9
No	WDKY-TV	D19	DT	LIC	DANVILLE, KY	BLANK00000072980	314.1
No	WDKY-TV	D19	DT	CP	DANVILLE, KY	BLANK00000127585	314.1

No	WPSD-TV	D19	DT	LIC	PADUCAH, KY	BLANK00000116960	252.3
No	WXMI	D19	DT	LIC	GRAND RAPIDS, MI	BLANK00000143294	426.8
No	KPTN-LD	D19	LD	LIC	ST. LOUIS, MO	BLANK00000124668	249.5
No	WCLL-CD	D19	DC	LIC	COLUMBUS, OH	BLANK00000052505	397.1
No	WFND-LD	D19	LD	LIC	FINDLAY, OH	BLANK00000055157	395.6
No	WLLC-LD	D19	LD	LIC	NASHVILLE, TN	BLANK00000152055	339.7
No	WMTV	D19	DT	LIC	MADISON, WI	BLCDT20100413AAW	462.1
No	WAND	D20	DT	LIC	DECATUR, IL	BLANK00000115806	141.4
No	WTSN-CD	D20	DC	LIC	EVANSVILLE, IN	BLDTL20120328AJA	132.5
No	WSWY-LD	D20-	LD	LIC	INDIANAPOLIS, IN	BLANK00000156379	101.8
No	WSWY-LD	D20-	LD	CP	INDIANAPOLIS, IN	BLANK00000160454	140.7
No	WKUT-LD	D20	LD	LIC	BOWLING GREEN, KY	BLANK00000088311	191.8
No	WLWT	D20	DT	LIC	CINCINNATI, OH	BLANK00000157838	260.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D19
Mask: Stringent
Latitude: 39 9 36.00 N (NAD83)
Longitude: 87 32 32.00 W
Height AMSL: 154.0 m (Adjusted based on actual ground elevation calculation)
HAAT: 0.0 m
Peak ERP: 1.00 kW
Antenna: ELTI-ELTI UHF Panel (ID 1008435) 20.0 deg
Elev Pattn: Generic

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.724 kW	1.9 m	17.1 km
45.0	0.601	-4.5	16.3
90.0	0.017	-1.7	6.8
135.0	0.007	-4.0	5.4
180.0	0.001	5.8	3.7
225.0	0.002	13.5	3.8
270.0	0.004	10.3	4.6
315.0	0.044	10.4	8.6

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 4 m

Distance to Canadian border: 482.8 km

Distance to Mexican border: 1639.2 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 18.7 degrees Distance: 405.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 279.8 degrees Distance: 1514.7 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%

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Interference to proposal scenario 1
17.24% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W19FD-D	D19	LD	CP	BRAZIL, IN		
Undesireds:	WAWV-TV	D18	DT	LIC	TERRE HAUTE, IN	BLANK0000087258	15.9 km
	WGN-TV	D19	DT	LIC	CHICAGO, IL	BMLCDT20080201APP	302.3
	WPSD-TV	D19	DT	LIC	PADUCAH, KY	BLANK0000116960	252.3
	WSWY-LD	D20-	LD	LIC	INDIANAPOLIS, IN	BLANK0000156379	101.8

	Service area		Terrain-limited		IX-free		Percent IX
	295.8	2,767	292.8	2,715	254.1	2,247	13.22 17.24

Undesired		Total IX		Unique IX	Prcnt Unique IX
WAWV-TV D18 DT LIC	38.7	468	35.7	402	12.21 14.81
WPSD-TV D19 DT LIC	3.0	66	0.0	0	0.00 0.00