

tvstudy v2.2.5 (V91R41)

Database: localhost, Study: WUDZ_ch26_7kW_ND, Model: Longley-Rice

Start: 2018.04.05 09:37:32

Study created: 2018.04.05 09:37:32

Study build station data: LMS TV 2018-03-19

Proposal: WUDZ-LD D26 LD LIC TERRE HAUTE, IN

File number: BLANK0000010840

Facility ID: 184277

Station data: User record

Record ID: 286

Country: U.S.

Build options:

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	WTTW	D25	DT	CP	CHICAGO, IL	BLANK0000034877	251.2 km
No	WRTV	D25	DT	LIC	INDIANAPOLIS, IN	BLCDDT20090623ACJ	0.7
No	WCWW-LD	D25	LD	LIC	SOUTH BEND, IN	BLDCTL20121022ABV	191.3
No	W26DZ-D	D26	LD	LIC	CHAMPAIGN, IL	BLANK0000014105	252.6
No	W26DZ-D	D26	LD	CP	CHAMPAIGN, IL	BLANK0000013445	252.6
No	WPVN-CD	D26	DC	CP	CHICAGO, IL	BLANK0000031140	251.8
No	WBBM-TV	D26	LD	LIC	CHICAGO, IL	BLCDDT20140305ABH	261.7
No	WRDH-LP	D26	LD	CP	HOLCOMB, IL	BDCDDTL20061030ANL	343.3
No	WMBD-TV	D26	DT	CP	PEORIA, IL	BLANK0000027808	294.4
No	W26DY-D	D26	LD	CP	PEORIA, IL	BLANK0000013918	295.1
No	W26DH-D	D26	LD	LIC	AUBURN, IN	BLDCTL20091005ABQ	187.3
No	WFIE	D26	DT	CP	EVANSVILLE, IN	BLANK0000034157	250.3
No	NEW	D26	LD	APP	EVANSVILLE, IN	BNPDDL20090825BAA	230.6
No	NEW	D26	LD	APP	EVANSVILLE, IN	BNPDDL20090825AZW	251.2
No	WJGP-LD	D26	LD	LIC	KALAMAZOO, MI	BLDCTL20091210ADC	258.8
No	WCMU-TV	D26	DT	LIC	MOUNT PLEASANT, MI	BLEDT20130710ABN	436.5
No	KPLR-TV	D26	DT	LIC	ST. LOUIS, MO	BLCDDT20030812ABY	383.8
Yes	WCPO-TV	D26	DT	CP	CINCINNATI, OH	BLANK0000034668	169.5
No	WDFM-LP	N26-	TX	LIC	DEFIANCE, OH	BLTTL20031007AAN	209.6
No	WUPW	D26	DT	CP	TOLEDO, OH	BLANK0000034234	303.9
No	WATE-TV	D26	DT	LIC	KNOXVILLE, TN	BMLCDT20041203AEG	475.7
No	WKOW	D26	DT	LIC	MADISON, WI	BLCDDT20111006AAO	447.5
No	WTTV	D27	DT	CP	BLOOMINGTON, IN	BLANK0000034516	54.3
No	WSOT-LD	D27	LD	LIC	MARION, IN	BLDCTL20111212AGP	97.9
No	WNDU-TV	D27	DT	CP	SOUTH BEND, IN	BLANK0000025267	190.2
No	WTVQ-DT	D27	DT	CP	LEXINGTON, KY	BLANK0000026675	259.3
No	WTTE	D27	DT	CP	COLUMBUS, OH	BLANK0000034206	271.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26

Mask: Full Service

Latitude: 39 53 39.20 N (NAD83)

Longitude: 86 12 20.50 W

Height AMSL: 396.7 m

HAAT: 0.0 m

Peak ERP: 7.00 kW

Antenna: Omnidirectional

Elev Pattn: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	7.00 kW	123.0 m	42.2 km
45.0	7.00	147.0	43.9
90.0	7.00	159.3	44.7
135.0	7.00	163.2	45.0
180.0	7.00	173.8	45.6
225.0	7.00	149.6	44.1
270.0	7.00	130.2	42.7
315.0	7.00	122.6	42.2

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 146 m

Distance to Canadian border: 342.6 km

Distance to Mexican border: 1779.8 km

Conditions at FCC monitoring station: Allegan MI

Bearing: 3.9 degrees Distance: 302.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 277.2 degrees Distance: 1616.0 km

Study cell size: 0.50 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 BLANK0000034668 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WCP0-TV	D26	DT	CP	CINCINNATI, OH	BLANK0000034668	
Undesireds:	WUDZ-LD	D26	LD	LIC	TERRE HAUTE, IN	BLANK0000010840	169.5 km
	WRTV	D25	DT	LIC	INDIANAPOLIS, IN	BLCDT20090623ACJ	169.4
	WUPX-TV	D25	DT	CP	MOREHEAD, KY	BLANK0000034400	154.9
	WFIE	D26	DT	CP	EVANSVILLE, IN	BLANK0000034157	296.5
	WUPW	D26	DT	CP	TOLEDO, OH	BLANK0000034234	295.1
	WATE-TV	D26	DT	LIC	KNOXVILLE, TN	BMLCDT20041203AEG	350.4
	WTTV	D27	DT	CP	BLOOMINGTON, IN	BLANK0000034516	145.3
	WTVQ-DT	D27	DT	CP	LEXINGTON, KY	BLANK0000026675	121.6
	WTTE	D27	DT	CP	COLUMBUS, OH	BLANK0000034206	155.6

	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	30463.3	3,330,513	30133.8	3,317,881	29303.0	3,290,861	29218.5 3,289,332 0.29 0.05
Undesired				Total IX	Unique IX, before	Unique IX, after	
WUDZ-LD D26 LD LIC		419.2		15,578		84.5 1,529	
WRTV D25 DT LIC		3.2		41	0.0 0	0.0 0	
WUPX-TV D25 DT CP		88.7		1,376	42.7 701	42.7 701	
WFIE D26 DT CP		18.3		1,023	6.5 729	5.8 694	
WUPW D26 DT CP		5.2		555	5.2 555	4.7 486	
WATE-TV D26 DT LIC		46.5		1,094	0.5 0	0.5 0	
WTTV D27 DT CP		401.2		15,719	396.2 15,635	67.2 1,772	
WTVQ-DT D27 DT CP		281.6		8,338	197.1 6,591	197.1 6,591	
WTTE D27 DT CP		91.5		963	91.5 963	91.5 963	

----- Interference to proposal scenario 1

16.29% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WUDZ-LD	D26	LD	LIC	TERRE HAUTE, IN	BLANK0000010840	

4/7/2018

WUDZ-WDSI_ch26_7kW_NDixstudy.txt

Undesireds:	WRTV	D25	DT	LIC	INDIANAPOLIS, IN	BLCDT20090623ACJ	0.7 km
	W26DZ-D	D26	LD	LIC	CHAMPAIGN, IL	BLANK0000014105	252.6
	WCPO-TV	D26	DT	CP	CINCINNATI, OH	BLANK0000034668	169.5
	WTTV	D27	DT	CP	BLOOMINGTON, IN	BLANK0000034516	54.3

Service area		Terrain-limited		IX-free		Percent IX	
6047.9	1,613,787	6047.1	1,613,773	2636.6	1,350,934	56.40	16.29

Undesired	Total IX			Unique IX		Prcnt Unique IX	
WRTV D25 DT LIC	3407.6	262,482	3132.6	243,461	51.80	15.09	
WCPO-TV D26 DT CP	21.8	488	0.0	0	0.00	0.00	
WTTV D27 DT CP	257.3	19,170	3.0	357	0.05	0.02	