

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Strasburg5D45wDir180T, Model: Longley-Rice

Start: 2021.07.07 13:15:03

Study created: 2021.07.07 13:15:02

Study build station data: LMS TV 2021-07-07

Proposal: WIVN-LD D5 LD APP Strasburg, OH

Facility ID: 131008

Station data: User record

Record ID: 461

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	WGVK	D5	DT	LIC	KALAMAZOO, MI	BLEDT20060703ABQ	396.4 km
No	WNYB	D5	DT	LIC	Buffalo, NY	BLANK0000080668	275.0
No	WLWD-LD	D5	LD	CP	SPRINGFIELD, OH	BLANK0000054940	253.9
No	WLMB	D5	DT	CP	TOLEDO, OH	BLANK0000035695	247.7
No	WLMB	D5	DT	LIC	TOLEDO, OH	BLCDT20050201AAF	247.7
No	WCYB-TV	D5	DT	LIC	BRISTOL, VA	BLCDT20100629AUD	463.1
Yes	WDTV	D5	DT	APP	WESTON, WV	BLANK0000036129	173.2
Yes	WDTV	D5	DT	LIC	WESTON, WV	BLCDT20090612AJX	173.2
Yes	WOUC-TV	D6	DT	LIC	CAMBRIDGE, OH	BLANK0000068363	57.6
No	WKBS-TV	D6	DT	LIC	ALTOONA, PA	BLANK0000084211	257.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D5

Mask: Stringent
Latitude: 40 35 16.70 N (NAD83)
Longitude: 81 29 15.20 W
Height AMSL: 394.8 m (Adjusted based on actual ground elevation calculation)
HAAT: 0.0 m
Peak ERP: 0.045 kW
Antenna: PSI-PSILV5LOG-5 (ID 1008337) 180.0 deg
Elev Pattn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.001 kW	93.2 m	8.7 km
45.0	0.001	94.8	8.9
90.0	0.000	89.3	5.4
135.0	0.014	80.2	15.0
180.0	0.045	104.9	22.5
225.0	0.011	76.1	13.8
270.0	0.000	80.5	3.9
315.0	0.000	94.3	6.9

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 89 m

Proposal 13.00 dBu contour does not cross Canadian border
Distance to Canadian border: 143.0 km

Distance to Mexican border: 2156.8 km

Conditions at FCC monitoring station: Laurel MD
Bearing: 110.2 degrees Distance: 428.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 276.4 degrees Distance: 2004.6 km

Study cell size: 1.00 km

Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

Interference to BLANK0000036129 APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WDTV	D5	DT	APP	WESTON, WV	BLANK0000036129	
Undesireds:	WIVN-LD	D5	LD	APP	Strasburg, OH		173.2 km
	WMDE	D5	DT	LIC	DOVER, DE	BLANK0000001038	368.5
	WNYB	D5	DT	LIC	Buffalo, NY	BLANK0000080668	356.3
	WOUC-TV	D6	DT	LIC	CAMBRIDGE, OH	BLANK0000068363	119.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
32591.9	958,252	30454.6		867,520	30039.3	850,363	30000.3 849,288 0.13 0.13
Undesired		Total IX		Unique IX, before		Unique IX, after	
WIVN-LD	D5 LD APP	109.4		3,399		39.0	1,075
WMDE	D5 DT LIC	63.5		534	63.5 534	63.5	534
WNYB	D5 DT LIC	89.3		11,143	86.3 10,890	82.3	10,563
WOUC-TV	D6 DT LIC	265.4		5,733	262.4 5,480	197.1	3,709

Interference to BLCDT20090612AJX LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WDTV	D5	DT	LIC	WESTON, WV	BLCDT20090612AJX	
Undesireds:	WIVN-LD	D5	LD	APP	Strasburg, OH		173.2 km
	WMDE	D5	DT	LIC	DOVER, DE	BLANK0000001038	368.5
	WNYB	D5	DT	LIC	Buffalo, NY	BLANK0000080668	356.3
	WOUC-TV	D6	DT	LIC	CAMBRIDGE, OH	BLANK0000068363	119.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX

32700.0	962,773	30582.5	867,755	30160.2	853,832	30129.2	852,754	0.10	0.13
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Undesired			Total IX		Unique IX, before		Unique IX, after		
WIVN-LD D5 LD APP		100.4	3,396			31.0	1,078		
WMDE D5 DT LIC		61.5	457		61.5 457	61.5	457		
WNYB D5 DT LIC		92.4	7,634		88.3 6,967	83.3	6,688		
WOUC-TV D6 DT LIC		272.5	6,499		268.4 5,832	207.1	4,460		

Interference to BLANK0000068363 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WOUC-TV	D6	DT	LIC	CAMBRIDGE, OH	BLANK0000068363	
Undesireds:	WIVN-LD	D5	LD	APP	Strasburg, OH		57.6 km
	WDTV	D5	DT	APP	WESTON, WV	BLANK0000036129	119.5
	WKBS-TV	D6	DT	LIC	ALTOONA, PA	BLANK0000084211	247.0
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	31190.5 1,715,080	30227.5	1,653,681		29859.0 1,636,080	29858.0 1,636,072	0.00 0.00

Undesired			Total IX		Unique IX, before		Unique IX, after		
WIVN-LD D5 LD APP		1.0	8			1.0	8		
WDTV D5 DT APP		96.2	1,035		87.3 846	87.3	846		
WKBS-TV D6 DT LIC		281.2	16,755		272.3 16,566	272.3	16,566		

Interference to BLANK0000068363 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WOUC-TV	D6	DT	LIC	CAMBRIDGE, OH	BLANK0000068363	
Undesireds:	WIVN-LD	D5	LD	APP	Strasburg, OH		57.6 km
	WDTV	D5	DT	LIC	WESTON, WV	BLCDDT20090612AJX	119.5
	WKBS-TV	D6	DT	LIC	ALTOONA, PA	BLANK0000084211	247.0
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	31190.5 1,715,080	30227.5	1,653,681		29851.1 1,635,978	29850.1 1,635,970	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WIVN-LD D5 LD APP	1.0	8		1.0 8
WDTV D5 DT LIC	104.1	1,137	95.2 948	95.2 948
WKBS-TV D6 DT LIC	281.2	16,755	272.3 16,566	272.3 16,566

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIVN-LD	D5	LD	APP	Strasburg, OH		
Undesireds:	WLWD-LD	D5	LD	CP	SPRINGFIELD, OH	BLANK00000054940	253.9 km
	WLMB	D5	DT	CP	TOLEDO, OH	BLANK00000035695	247.7
	WDTV	D5	DT	APP	WESTON, WV	BLANK00000036129	173.2

Service area	Terrain-limited	IX-free	Percent IX
462.7 52,676	456.8 52,006	448.8 51,392	1.75 1.18

Undesired	Total IX	Unique IX	Prcnt Unique IX
WLWD-LD D5 LD CP	1.0 4	0.0 0	0.00 0.00
WLMB D5 DT CP	1.0 4	0.0 0	0.00 0.00
WDTV D5 DT APP	8.0 614	7.0 610	1.53 1.17

Interference to proposal scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIVN-LD	D5	LD	APP	Strasburg, OH		
Undesireds:	WLWD-LD	D5	LD	CP	SPRINGFIELD, OH	BLANK00000054940	253.9 km
	WLMB	D5	DT	LIC	TOLEDO, OH	BLCDT20050201AAF	247.7
	WDTV	D5	DT	APP	WESTON, WV	BLANK00000036129	173.2

Service area	Terrain-limited	IX-free	Percent IX
462.7 52,676	456.8 52,006	448.8 51,392	1.75 1.18

Undesired	Total IX	Unique IX	Prcnt Unique IX
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WLWD-LD D5 LD CP	1.0	4	0.0	0	0.00	0.00
WLMB D5 DT LIC	1.0	4	0.0	0	0.00	0.00
WDTV D5 DT APP	8.0	614	7.0	610	1.53	1.17

Interference to proposal scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIVN-LD	D5	LD	APP	Strasburg, OH		
Undesireds:	WLWD-LD	D5	LD	CP	SPRINGFIELD, OH	BLANK00000054940	253.9 km
	WLMB	D5	DT	CP	TOLEDO, OH	BLANK00000035695	247.7
	WDTV	D5	DT	LIC	WESTON, WV	BLCDT20090612AJX	173.2

Service area	Terrain-limited	IX-free	Percent IX
462.7 52,676	456.8 52,006	450.8 51,465	1.31 1.04

Undesired	Total IX	Unique IX	Prcnt Unique IX
WLWD-LD D5 LD CP	1.0 4 0.0	0	0.00 0.00
WLMB D5 DT CP	1.0 4 0.0	0	0.00 0.00
WDTV D5 DT LIC	6.0 541 5.0	537	1.09 1.03

Interference to proposal scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIVN-LD	D5	LD	APP	Strasburg, OH		
Undesireds:	WLWD-LD	D5	LD	CP	SPRINGFIELD, OH	BLANK00000054940	253.9 km
	WLMB	D5	DT	LIC	TOLEDO, OH	BLCDT20050201AAF	247.7
	WDTV	D5	DT	LIC	WESTON, WV	BLCDT20090612AJX	173.2

Service area	Terrain-limited	IX-free	Percent IX
462.7 52,676	456.8 52,006	450.8 51,465	1.31 1.04

Undesired	Total IX	Unique IX	Prcnt Unique IX
WLWD-LD D5 LD CP	1.0 4 0.0	0	0.00 0.00
WLMB D5 DT LIC	1.0 4 0.0	0	0.00 0.00

WDTV D5 DT LIC

6.0

541

5.0

537

1.09

1.03