

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: clarksburg25d8kwinceltiat270f, Model: Longley-Rice

Start: 2021.09.01 09:33:26

Study created: 2021.09.01 09:33:25

Study build station data: LMS TV 2021-09-01

Proposal: W25FR-D D25 LD LIC CLARKSBURG, WV

Facility ID: 186778

Station data: User record

Record ID: 971

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	WEAO	D24	DT	LIC	AKRON, OH	BLANK0000095195	212.2 km
No	WDEM-CD	D24	DC	LIC	COLUMBUS, OH	BLANK0000071611	211.9
No	WTAJ-TV	D24	DT	LIC	ALTOONA, PA	BLANK0000079898	235.9
No	WPXI	D24	LD	LIC	PITTSBURGH, PA	BLANK0000106625	106.1
No	WPDN-LD	D24	LD	LIC	PITTSBURGH, PA	BLDRTL20110601ADS	139.5
No	WHSV-TV	D24	LD	LIC	Massanutten, VA	BLANK0000122198	206.4
No	WVAH-TV	D24	DT	LIC	CHARLESTON, WV	BLANK0000087458	146.4
Yes	W24ER-D	D24	LD	LIC	CLARKSBURG, WV	BLANK0000058555	33.5
No	W24ES-D	D24	LD	LIC	MOOREFIELD, WV	BLANK0000081242	157.2
No	W24DS-D	D24	LD	LIC	PARKERSBURG, WV	BLDRTL20140527AHY	66.2
No	W25FH-D	D25	LD	LIC	FORT WAYNE, IN	BLANK0000088484	427.5
No	WRTV	D25	DT	LIC	INDIANAPOLIS, IN	BLANK0000153580	477.1
No	WUPX-TV	D25	DT	LIC	RICHMOND, KY	BLANK0000075153	387.0
No	WNUV	D25	DT	LIC	BALTIMORE, MD	BLANK0000136472	346.5
No	W42CK	D25+	LD	CP	HAGERSTOWN, MD	BLANK0000054340	250.8
No	WXYZ-TV	D25	DT	LIC	DETROIT, MI	BLANK0000126705	411.5
No	WJZY	D25	DT	LIC	BELMONT, NC	BLANK0000146872	441.7
No	WSKA	D25	DT	LIC	CORNING, NY	BLANK0000080258	436.5

No	WUEK-LD	D25	LD	LIC	CANTON, OH	BLANK0000067575	255.6
No	WCPX-LP	D25	LD	CP	COLUMBUS, OH	BLANK0000071598	215.8
No	WXCB-CD	D25	DC	LIC	DELAWARE, OH	BLANK0000087098	253.5
No	W25FI-D	D25	LD	LIC	MAPLEWOOD, OH	BLANK0000099303	354.6
No	WSSS-LP	N25z	TX	LIC	STEUBENVILLE, OH	BLTTTL19980506JD	116.8
No	WWBP-LP	N25-	TX	LIC	FREEDOM, PA	BLTTTL19990124JD	157.1
Yes	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDT20041004ACS	142.3
No	WYAT-LD	D25z	LD	LIC	MARTINSVILLE, VA	BLANK0000116027	300.3
No	WWBK-LD	D25	LD	LIC	RICHMOND, VA	BLANK0000108657	334.9
No	WLFB	D25	DT	LIC	BLUEFIELD, WV	BLANK0000123625	238.5
No	W25FS-D	D25	LD	LIC	CLARKSBURG, WV	BLANK0000158057	33.7
No	WGPT	D26	DT	LIC	OAKLAND, MD	BLANK0000080370	119.7
No	WCSN-LD	D26	LD	LIC	COLUMBUS, OH	BLANK0000113234	214.7
No	WIVD-LD	D26	LD	LIC	NEWCOMERSTOWN, OH	BLANK0000079906	135.2
No	WIVD-LD	D26	LD	CP	NEWCOMERSTOWN, OH	BLANK0000080067	135.2
No	WOSC-CD	D26	DC	LIC	PITTSBURGH, PA	BLANK0000125715	139.5
No	WHTJ	D26	DT	LIC	CHARLOTTESVILLE, VA	BLANK0000112378	241.6
No	W26EL-D	D26	LD	CP	CLARKSBURG, WV	BNPDTL20100514AAX	33.7
No	W26EW-D	D26	LD	LIC	HUNTINGTON, WV	BLANK0000116963	179.3
No	WIYE-LD	D26	LD	LIC	PARKERSBURG, WV	BLANK0000079793	76.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D25
 Mask: Stringent
 Latitude: 39 19 5.00 N (NAD83)
 Longitude: 80 40 49.00 W
 Height AMSL: 448.8 m
 HAAT: 0.0 m
 Peak ERP: 8.00 kW
 Antenna: ELTI-ELTI UHF Panel (ID 1008435) 270.0 deg
 Elev Pattn: Generic

49.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.006 kW	129.1 m	10.4 km
45.0	0.061	114.2	17.0
90.0	0.020	93.9	11.8
135.0	0.043	103.4	15.1
180.0	0.007	122.1	10.3
225.0	1.71	145.1	36.6
270.0	8.00	145.7	44.6
315.0	1.61	162.5	37.4

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 127 m

Proposal 24.85 dBu contour does not cross Canadian border
Distance to Canadian border: 299.6 km

Distance to Mexican border: 2117.3 km

Conditions at FCC monitoring station: Laurel MD
Bearing: 91.7 degrees Distance: 332.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 280.4 degrees Distance: 2093.4 km

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 BLANK0000058555 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired: W24ER-D D24 LD LIC CLARKSBURG, WV BLANK0000058555

Undesireds: W25FR-D D25 LD LIC CLARKSBURG, WV 33.5 km
WEAO D24 DT LIC AKRON, OH BLANK0000095195 230.8
WTAJ-TV D24 DT LIC ALTOONA, PA BLANK0000079898 213.5
WPXI D24 LD LIC PITTSBURGH, PA BLANK0000106625 84.5
WPDN-LD D24 LD LIC PITTSBURGH, PA BLDTL20110601ADS 133.1
WVAH-TV D24 DT LIC CHARLESTON, WV BLANK0000087458 169.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
6455.9 220,327	6227.6 206,937	6133.4 204,837	6120.5 204,761	0.21 0.04

Undesired	Total IX	Unique IX, before	Unique IX, after
W25FR-D D25 LD LIC 13.9	76	12.9 76	
WEAO D24 DT LIC 5.0	60	1.0 0	
WTAJ-TV D24 DT LIC 15.9	168	7.9 83	
WPXI D24 LD LIC 22.8	768	14.8 660	
WPDN-LD D24 LD LIC 2.0	60	1.0 0	
WVAH-TV D24 DT LIC 66.5	1,294	55.5 1,107	54.5 1,107

Interference to BLCDT20041004ACS LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDT20041004ACS	
Undesireds: W25FR-D	D25	LD	LIC	CLARKSBURG, WV		142.3 km
WEAO	D24	DT	LIC	AKRON, OH	BLANK0000095195	150.8
WTAJ-TV	D24	DT	LIC	ALTOONA, PA	BLANK0000079898	133.5
WNUV	D25	DT	LIC	BALTIMORE, MD	BLANK0000136472	314.7
WXYZ-TV	D25	DT	LIC	DETROIT, MI	BLANK0000126705	347.3
WLFB	D25	DT	LIC	BLUEFIELD, WV	BLANK0000123625	379.3
WGPT	D26	DT	LIC	OAKLAND, MD	BLANK0000080370	136.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
31480.5 3,613,656	30326.6 3,501,779	30216.5 3,494,531	30215.5 3,494,531	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
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W25FR-D D25 LD LIC	1.0	0			1.0	0
WEAO D24 DT LIC	8.9	226	0.0	0	0.0	0
WTAJ-TV D24 DT LIC	21.0	1,450	17.0	1,352	17.0	1,352
WNUV D25 DT LIC	27.1	972	21.1	872	21.1	872
WXYZ-TV D25 DT LIC	61.0	4,891	52.0	4,665	52.0	4,665
WLFB D25 DT LIC	2.0	0	2.0	0	2.0	0
WGPT D26 DT LIC	5.0	35	3.0	33	3.0	33

Interference to proposal scenario 1
2.70% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W25FR-D	D25	LD	LIC	CLARKSBURG, WV		
Undesireds:	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDT20041004ACS	142.3 km
	WLFB	D25	DT	LIC	BLUEFIELD, WV	BLANK00000123625	238.5
	WIVD-LD	D26	LD	LIC	NEWCOMERSTOWN, OH	BLANK00000079906	135.2

Service area	Terrain-limited	IX-free	Percent IX
2160.8 24,941	2089.5 22,897	2062.7 22,278	1.28 2.70

Undesired	Total IX	Unique IX	Prcnt Unique IX
KDKA-TV D25 DT LIC 25.8 584 24.8	584	584	1.19 2.55
WLFB D25 DT LIC 2.0 35 1.0	35	35	0.05 0.15