

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Sutton25d8kwinceltiat270f, Model: Longley-Rice

Start: 2021.09.02 10:38:08

Study created: 2021.09.02 10:38:08

Study build station data: LMS TV 2021-09-02

Proposal: W30DU-D D25 LD CP SUTTON, WV

Facility ID: 186770

Station data: User record

Record ID: 978

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	WPXI	D24	LD	LIC	PITTSBURGH, PA	BLANK0000106625	164.0 km
No	WHSV-TV	D24	LD	LIC	Massanutten, VA	BLANK0000122198	208.6
Yes	WVAH-TV	D24	DT	LIC	CHARLESTON, WV	BLANK0000087458	107.3
No	W24ER-D	D24	LD	LIC	CLARKSBURG, WV	BLANK0000058555	80.8
No	W24ES-D	D24	LD	LIC	MOOREFIELD, WV	BLANK0000081242	160.3
No	W24DS-D	D24	LD	LIC	PARKERSBURG, WV	BLDTL20140527AHY	106.7
No	WUPX-TV	D25	DT	LIC	RICHMOND, KY	BLANK0000075153	359.8
No	WNUV	D25	DT	LIC	BALTIMORE, MD	BLANK0000136472	358.8
No	W42CK	D25+	LD	CP	HAGERSTOWN, MD	BLANK0000054340	274.6
No	WJZY	D25	DT	LIC	BELMONT, NC	BLANK0000146872	364.3
No	WDMC-LD	D25	LD	LIC	CHARLOTTE, NC	BLDTL20121113AII	374.3
No	WUNK-TV	D25	DT	LIC	GREENVILLE, NC	BLANK0000143143	437.7
No	WUEK-LD	D25	LD	LIC	CANTON, OH	BLANK0000067575	329.5
No	WCPX-LP	D25	LD	CP	COLUMBUS, OH	BLANK0000071598	254.0
No	Wxcb-CD	D25	DC	LIC	DELAWARE, OH	BLANK0000087098	304.0
No	WSSS-LP	N25z	TX	LIC	STEUBENVILLE, OH	BLTTTL19980506JD	194.4
No	WWBP-LP	N25-	TX	LIC	FREEDOM, PA	BLTTTL19990124JD	233.6
No	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDT20041004ACS	216.3

No	WDLE-LP	D25+	LD	CP	PIGEON FORGE, TN	BLANK0000139392	407.9
No	WYAT-LD	D25z	LD	LIC	MARTINSVILLE, VA	BLANK0000116027	226.3
No	WWBK-LD	D25	LD	LIC	RICHMOND, VA	BLANK0000108657	297.7
Yes	WLFB	D25	DT	LIC	BLUEFIELD, WV	BLANK0000123625	163.0
No	W25FR-D	D25	LD	LIC	CLARKSBURG, WV	BLANK0000158056	81.0
No	W25FS-D	D25	LD	LIC	CLARKSBURG, WV	BLANK0000158057	81.0
No	W25FS-D	D25	LD	APP	CLARKSBURG, WV	BLANK0000158255	77.7
No	W25FR-D	D25	LD	APP	CLARKSBURG, WV	BLANK0000158260	77.7
No	DWVVK-LP	D26-	LD	APP	MARTIN, KY	BLANK0000054354	218.3
No	WGPT	D26	DT	LIC	OAKLAND, MD	BLANK0000080370	149.6
No	WIVD-LD	D26	LD	LIC	NEWCOMERSTOWN, OH	BLANK0000079906	205.2
No	WIVD-LD	D26	LD	CP	NEWCOMERSTOWN, OH	BLANK0000080067	205.2
No	WOSC-CD	D26	DC	LIC	PITTSBURGH, PA	BLANK0000125715	212.6
No	WHTJ	D26	DT	LIC	CHARLOTTESVILLE, VA	BLANK0000112378	205.8
No	W26EL-D	D26	LD	CP	CLARKSBURG, WV	BNPDTL20100514AAX	81.0
No	W26EW-D	D26	LD	LIC	HUNTINGTON, WV	BLANK0000116963	149.7
No	WIYE-LD	D26	LD	LIC	PARKERSBURG, WV	BLANK0000079793	110.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D25  
Mask: Stringent  
Latitude: 38 37 10.40 N (NAD83)  
Longitude: 80 41 57.00 W  
Height AMSL: 519.0 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	151.4 m	11.3 km
45.0	0.061	139.9	19.1

90.0	0.020	57.8	9.4
135.0	0.043	0.1	8.2
180.0	0.007	22.0	5.2
225.0	1.71	116.7	34.8
270.0	8.00	163.0	45.7
315.0	1.61	175.5	38.2

Database HAAT does not agree with computed HAAT  
 Database HAAT: 0 m    Computed HAAT: 103 m

Distance to Canadian border: 369.1 km

Distance to Mexican border: 2067.3 km

Conditions at FCC monitoring station: Laurel MD  
 Bearing: 78.5 degrees    Distance: 340.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
 Bearing: 282.4 degrees    Distance: 2107.1 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%

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 Interference to BLANK0000087458 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVAH-TV	D24	DT	LIC	CHARLESTON, WV	BLANK0000087458	
Undesireds:	W30DU-D	D25	LD	CP	SUTTON, WV		107.3 km
	WKPI-TV	D23	DT	LIC	PIKEVILLE, KY	BLANK0000087418	136.2

WPTA	D24	DT	LIC	FORT WAYNE, IN	BLANK0000068624	410.2
WKON	D24	DT	LIC	OWENTON, KY	BLANK0000087440	253.4
WCNC-TV	D24	DT	LIC	CHARLOTTE, NC	BLANK0000147158	346.4
WEAO	D24	DT	LIC	AKRON, OH	BLANK0000095195	298.2
WDEM-CD	D24	DC	LIC	COLUMBUS, OH	BLANK0000071611	195.4
WTAJ-TV	D24	DT	LIC	ALTOONA, PA	BLANK0000079898	381.8
WETP-TV	D24	DT	LIC	SNEEDVILLE, TN	BLANK0000120200	251.9
WLFB	D25	DT	LIC	BLUEFIELD, WV	BLANK0000123625	143.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
39337.9 1,373,982	38334.3 1,292,447	38227.2 1,288,252	38213.2 1,288,128	0.04 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
W30DU-D D25 LD CP	14.0 124	14.0 124	
WKPI-TV D23 DT LIC	4.1 19	3.0 0	
WKON D24 DT LIC	2.0 110	2.0 110	
WCNC-TV D24 DT LIC	2.0 42	1.0 42	
WEAO D24 DT LIC	13.9 1,503	10.9 1,268	
WDEM-CD D24 DC LIC	5.0 421	1.0 167	
WTAJ-TV D24 DT LIC	2.0 49	2.0 49	
WETP-TV D24 DT LIC	47.7 2,124	37.5 1,992	
WLFB D25 DT LIC	44.7 313	36.6 200	

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Interference to BLANK0000123625 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WLFB	D25	DT	LIC	BLUEFIELD, WV	BLANK0000123625	
Undesireds:	W30DU-D	D25	LD	CP	SUTTON, WV		163.0 km
	WVAH-TV	D24	DT	LIC	CHARLESTON, WV	BLANK0000087458	143.8
	WUPX-TV	D25	DT	LIC	RICHMOND, KY	BLANK0000075153	308.5
	WJZY	D25	DT	LIC	BELMONT, NC	BLANK0000146872	206.7
	WUNK-TV	D25	DT	LIC	GREENVILLE, NC	BLANK0000143143	375.8
	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDT20041004ACS	379.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
29432.5 798,771	27210.7 723,252	26983.1 718,119	26982.1 718,119	0.00 0.00

Undesired		Total IX	Unique IX, before		Unique IX, after	
W30DU-D D25 LD CP	11.1	31			1.0	0
WVAH-TV D24 DT LIC	87.9	202	65.7	171	63.6	171
WUPX-TV D25 DT LIC	23.1	92	9.0	92	9.0	92
WJZY D25 DT LIC	126.7	4,745	121.6	4,745	121.6	4,745
WUNK-TV D25 DT LIC	1.0	16	1.0	16	1.0	16
KDKA-TV D25 DT LIC	15.1	109	6.1	78	5.0	78

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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W30DU-D	D25	LD	CP	SUTTON, WV		
Undesireds:	WVAH-TV	D24	DT	LIC	CHARLESTON, WV	BLANK0000087458	107.3 km
	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDT20041004ACS	216.3
	WLFB	D25	DT	LIC	BLUEFIELD, WV	BLANK0000123625	163.0
	W25FR-D	D25	LD	LIC	CLARKSBURG, WV	BLANK0000158056	81.0
	W25FS-D	D25	LD	LIC	CLARKSBURG, WV	BLANK0000158057	81.0
	Service area		Terrain-limited		IX-free	Percent IX	
	2142.7	22,818	2068.6	21,863	2045.6	21,803	1.11 0.27

Undesired		Total IX	Unique IX		Prct Unique IX	
WVAH-TV D24 DT LIC	7.0	4	4.0	4	0.19	0.02
KDKA-TV D25 DT LIC	13.0	14	7.0	3	0.34	0.01
WLFB D25 DT LIC	10.0	53	5.0	42	0.24	0.19

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Interference to proposal scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W30DU-D	D25	LD	CP	SUTTON, WV		
Undesireds:	WVAH-TV	D24	DT	LIC	CHARLESTON, WV	BLANK0000087458	107.3 km
	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDT20041004ACS	216.3
	WLFB	D25	DT	LIC	BLUEFIELD, WV	BLANK0000123625	163.0

W25FS-D	D25	LD	LIC	CLARKSBURG, WV	BLANK0000158057	81.0
W25FR-D	D25	LD	APP	CLARKSBURG, WV	BLANK0000158260	77.7

Service area		Terrain-limited			IX-free		Percent IX
2142.7	22,818	2068.6	21,863	2045.6	21,803	1.11	0.27

Undesired			Total IX		Unique IX	Prcnt	Unique IX
WVAH-TV D24 DT LIC	7.0		4	4.0	4	0.19	0.02
KDKA-TV D25 DT LIC	13.0		14	6.0	3	0.29	0.01
WLFB D25 DT LIC	10.0		53	5.0	42	0.24	0.19
W25FR-D D25 LD APP	1.0		0	0.0	0	0.00	0.00