

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: CantonOH26d10kwBA180IncF, Model: Longley-Rice

Start: 2023.10.12 11:16:24

Study created: 2023.10.12 11:16:24

Study build station data: LMS TV 2023-10-11

Proposal: WIVD-LD D26 LD APP Canton, OH

Facility ID: 131159

Station data: User record

Record ID: 1889

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	WXYZ-TV	D25	DT	LIC	DETROIT, MI	BLANK0000126705	243.3 km
No	WUEK-LD	D25	LD	LIC	CANTON, OH	BLANK0000067575	76.5
No	WCPX-LD	D25	LD	LIC	COLUMBUS, OH	BLANK0000210320	174.8
No	WXCB-CD	D25	DC	LIC	DELAWARE, OH	BLANK0000087098	164.7
Yes	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDT20041004ACS	110.0
No	W25FR-D	D25	LD	LIC	CLARKSBURG, WV	BLANK0000199127	167.4
No	W26DH-D	D26	LD	LIC	AUBURN, IN	BLDTL20091005ABQ	325.3
No	DWVVK-LP	D26-	LD	APP	MARTIN, KY	BLANK0000054354	417.4
No	WBFF	D26	DT	LIC	BALTIMORE, MD	BLANK0000136477	424.7
Yes	WGPT	D26	DT	LIC	OAKLAND, MD	BLANK0000080370	232.7
No	WCMU-TV	D26	DT	LIC	MOUNT PLEASANT, MI	BLEDT20130710ABN	456.8
No	WGCE-CD	D26	DC	LIC	ROCHESTER, NY	BLANK0000116989	389.0
Yes	WEKA-LD	D26	LD	LIC	CANTON, OH	BLANK0000149900	76.5
No	WCPO-TV	D26	DT	LIC	CINCINNATI, OH	BLANK0000157839	342.4
No	WCSN-LD	D26	LD	LIC	COLUMBUS, OH	BLANK0000113234	181.7
No	WOHW-LD	D26	LD	CP	LIMA, OH	BLANK0000158622	286.1
No	WOHW-LD	D26	LD	LIC	LIMA, OH	BLANK0000105839	283.8
No	WUPW	D26	DT	LIC	TOLEDO, OH	BLANK0000108708	204.8

Yes	WFXP	D26	DT	LIC	ERIE, PA	BLANK0000081009	158.5
No	WJAC-TV	D26	LD	LIC	JOHNSTOWN, PA	BLCDT20120215ABZ	211.0
No	W26CV-D	D26	LD	LIC	MANSFIELD, PA	BLDTT20090810AAC	370.2
Yes	WOSC-CD	D26	DC	LIC	PITTSBURGH, PA	BLANK0000125715	116.5
No	W26EQ-D	D26	LD	LIC	STATE COLLEGE, PA	BLANK0000162843	279.8
No	WHTJ	D26	DT	LIC	CHARLOTTESVILLE, VA	BLANK0000112378	399.7
No	W26EW-D	D26	LD	LIC	HUNTINGTON, WV	BLANK0000116963	293.8
No	WIYE-LD	D26	LD	LIC	PARKERSBURG, WV	BLANK0000079793	174.8
No	WADL	D27	DT	LIC	MOUNT CLEMENS, MI	BLANK0000111708	230.7
No	WOCV-CD	D27	DC	LIC	CLEVELAND, OH	BLANK0000202416	67.5
No	WTTE	D27	DT	LIC	COLUMBUS, OH	BLANK0000129745	186.8
No	WPNM-LD	D27z	LD	LIC	LIEPSIC, OH	BLANK0000090626	227.7
Yes	W27DG-D	D27	LD	LIC	MILLERSBURG, OH	BLANK0000168187	0.0
No	WQLN	D27	DT	LIC	ERIE, PA	BLANK0000083708	158.9
No	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK0000112576	137.2
No	WTAE-TV	D27	DT	CP	PITTSBURGH, PA	BLANK0000127499	137.2
No	WQIZ-LD	N33+	TX	LIC	ASHLAND, OH	BLTTL20020211ABL	94.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26  
 Mask: Full Service  
 Latitude: 40 53 55.00 N (NAD83)  
 Longitude: 81 12 36.00 W  
 Height AMSL: 469.2 m  
 HAAT: 0.0 m  
 Peak ERP: 10.0 kW  
 Antenna: PSI-PSI UHF Slot (BA) (ID 1005363) 180.0 deg  
 Elev Pattn: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.524 kW	112.7 m	28.2 km
45.0	1.67	148.4	36.6

90.0	9.01	117.0	43.1
135.0	8.72	94.7	40.6
180.0	10.0	105.9	42.6
225.0	8.72	127.1	43.6
270.0	9.01	114.9	42.9
315.0	1.67	118.9	34.7

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 117 m

Proposal 24.95 dBu contour does not cross Canadian border

Distance to Canadian border: 131.6 km

Distance to Mexican border: 2194.2 km

Conditions at FCC monitoring station: Canandaigua NY

Bearing: 54.2 degrees    Distance: 395.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 275.6 degrees    Distance: 2024.3 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 BLCDT20041004ACS LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDT20041004ACS	
Undesireds:	WIVD-LD	D26	LD	APP	Canton, OH		110.0 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	30157.0	3,487,388	0.20	0.20

Undesired		Total IX	Unique IX, before		Unique IX, after	
WIVD-LD D26 LD APP	86.2	7,742			59.5	7,143
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	34.2	4,292
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

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Interference to BLCDT20041004ACS LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDT20041004ACS	
Undesireds:	WIVD-LD	D26	LD	APP	Canton, OH		110.0 km
	WEAO	D24	DT	LIC	AKRON, OH	BLANK0000095195	150.8
	WTAJ-TV	D24	DT	LIC	ALTOONA, PA	BLANK0000079898	133.5
	WNUV	D25	DD	CP	BALTIMORE, MD	BLANK0000214278	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	30215.5	3,493,675	30156.0	3,486,532	0.20	0.20

Undesired		Total IX	Unique IX, before		Unique IX, after	
WIVD-LD D26 LD APP	86.2	7,742			59.5	7,143

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 DD CP	28.1	1,828	22.1	1,728	22.1	1,728
WXYZ-TV D25 DT LIC	61.0	4,891	52.0	4,665	34.2	4,292
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

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Interference to BLANK0000080370 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGPT	D26	DT	LIC	OAKLAND, MD	BLANK0000080370	
Undesireds:	WIVD-LD	D26	LD	APP	Canton, OH		232.7 km
	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDDT20041004ACS	136.0
	WBFF	D26	DT	LIC	BALTIMORE, MD	BLANK00000136477	227.2
	WFXP	D26	DT	LIC	ERIE, PA	BLANK0000081009	300.2
	WOSC-CD	D26	DC	LIC	PITTSBURGH, PA	BLANK00000125715	129.2
	WHTJ	D26	DT	LIC	CHARLOTTESVILLE, VA	BLANK00000112378	172.8
	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK00000112576	106.7
	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX		
	18374.8	579,370	15596.0	398,467	15339.8	387,207	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WIVD-LD D26 LD APP	3.0	114	0.0 0
KDKA-TV D25 DT LIC	26.1	404	4.0 0
WBFF D26 DT LIC	44.0	2,879	34.0 2,358
WFXP D26 DT LIC	49.1	4,408	4.0 2
WOSC-CD D26 DC LIC	193.1	8,028	126.9 3,231
WHTJ D26 DT LIC	21.1	291	9.0 155
WTAE-TV D27 DT LIC	45.1	3,998	5.0 269

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Interference to BLANK0000080370 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGPT	D26	DT	LIC	OAKLAND, MD	BLANK0000080370	

Undesireds:	WIVD-LD	D26	LD	APP	Canton, OH		232.7 km
	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDT20041004ACS	136.0
	WBFF	D26	DT	LIC	BALTIMORE, MD	BLANK00000136477	227.2
	WFXP	D26	DT	LIC	ERIE, PA	BLANK00000081009	300.2
	WOSC-CD	D26	DC	LIC	PITTSBURGH, PA	BLANK00000125715	129.2
	WHTJ	D26	DT	LIC	CHARLOTTESVILLE, VA	BLANK00000112378	172.8
	WTAE-TV	D27	DT	CP	PITTSBURGH, PA	BLANK00000127499	106.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
18374.8	579,370	15596.0	398,467	15339.8
		387,207	387,207	0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WIVD-LD D26 LD APP	3.0	114	0.0
KDKA-TV D25 DT LIC	26.1	404	4.0
WBFF D26 DT LIC	44.0	2,879	34.0
WFXP D26 DT LIC	49.1	4,408	4.0
WOSC-CD D26 DC LIC	193.1	8,028	124.9
WHTJ D26 DT LIC	21.1	291	9.0
WTAE-TV D27 DT CP	49.1	4,046	5.0

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Interference to BLANK0000149900 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WEKA-LD	D26	LD	LIC	CANTON, OH	BLANK00000149900	
Undesireds:	WIVD-LD	D26	LD	APP	Canton, OH		76.5 km
	WOHW-LD	D26	LD	CP	LIMA, OH	BLANK00000158622	263.5
	WUPW	D26	DT	LIC	TOLEDO, OH	BLANK00000108708	147.6
	WFXP	D26	DT	LIC	ERIE, PA	BLANK00000081009	147.3
	WOCV-CD	D27	DC	LIC	CLEVELAND, OH	BLANK00000202416	11.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
3032.7	1,698,398	3008.4	1,694,365	1830.2
		1,382,913	1,382,658	1826.1

Undesired	Total IX	Unique IX, before	Unique IX, after
WIVD-LD D26 LD APP	51.5	12,847	4.0
			255

WUPW D26 DT LIC	4.0	1,595	0.0	0	0.0	0
WFXP D26 DT LIC	37.2	12,884	9.0	2,006	8.0	1,576
WOCV-CD D27 DC LIC	1168.2	309,368	1138.0	297,051	1104.7	288,778

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Interference to BLANK0000081009 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFXP	D26	DT	LIC	ERIE, PA	BLANK0000081009	
Undesireds:	WIVD-LD	D26	LD	APP	Canton, OH		158.5 km
	WGPT	D26	DT	LIC	OAKLAND, MD	BLANK0000080370	300.2
	WOSC-CD	D26	DC	LIC	PITTSBURGH, PA	BLANK00000125715	177.4
	WQLN	D27	DT	LIC	ERIE, PA	BLANK0000083708	0.4
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	14167.0	581,326	13917.6	574,440	13879.3	570,865	0.76 0.44
	1404.3	0	1404.3	0	1404.3	0	0.00 0.00

(in Canada)

Undesired	Total IX	Unique IX, before	Unique IX, after
WIVD-LD D26 LD APP	115.7	2,745	105.7 2,520
WGPT D26 DT LIC	14.1	437	4.0 7
WOSC-CD D26 DC LIC	33.2	1,048	23.2 618
WQLN D27 DT LIC	1.0	0	1.0 0

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Interference to BLANK00000125715 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WOSC-CD	D26	DC	LIC	PITTSBURGH, PA	BLANK00000125715	
Undesireds:	WIVD-LD	D26	LD	APP	Canton, OH		116.5 km
	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDDT20041004ACS	7.1
	WGPT	D26	DT	LIC	OAKLAND, MD	BLANK0000080370	129.2
	WFXP	D26	DT	LIC	ERIE, PA	BLANK0000081009	177.4
	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK00000112576	22.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
8852.7 2,170,098	8567.0 2,110,134	7529.1 1,925,622	7525.1 1,924,893	0.05 0.04

  

Undesired	Total IX	Unique IX, before	Unique IX, after
WIVD-LD D26 LD APP	6.0 948	4.0 729	
KDKA-TV D25 DT LIC	786.6 144,139	689.7 131,304	688.7 131,085
WGPT D26 DT LIC	36.9 3,788	11.0 1,346	11.0 1,346
WFXP D26 DT LIC	41.1 7,335	15.0 4,097	15.0 4,097
WTAE-TV D27 DT LIC	305.3 46,405	199.2 31,136	199.2 31,136

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Interference to BLANK0000125715 LIC scenario 2

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WOSC-CD	D26	DC	LIC	PITTSBURGH, PA	BLANK0000125715	
Undesireds: WIVD-LD	D26	LD	APP	Canton, OH		116.5 km
KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDDT20041004ACS	7.1
WGPT	D26	DT	LIC	OAKLAND, MD	BLANK0000080370	129.2
WFXP	D26	DT	LIC	ERIE, PA	BLANK0000081009	177.4
WTAE-TV	D27	DT	CP	PITTSBURGH, PA	BLANK0000127499	22.9

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
8852.7 2,170,098	8567.0 2,110,134	7521.1 1,924,423	7517.1 1,923,694	0.05 0.04

  

Undesired	Total IX	Unique IX, before	Unique IX, after
WIVD-LD D26 LD APP	6.0 948	4.0 729	
KDKA-TV D25 DT LIC	786.6 144,139	682.7 130,123	681.7 129,904
WGPT D26 DT LIC	36.9 3,788	11.0 1,346	11.0 1,346
WFXP D26 DT LIC	41.1 7,335	13.0 3,407	13.0 3,407
WTAE-TV D27 DT CP	322.3 49,475	207.2 32,335	207.2 32,335

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Interference to BLANK0000168187 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: W27DG-D	D27	LD	LIC	MILLERSBURG, OH	BLANK0000168187	



Undesireds:	WIVD-LD	D26	LD	APP	Canton, OH		0.0 km
	WOCV-CD	D27	DC	LIC	CLEVELAND, OH	BLANK00000202416	67.5
	WTTE	D27	DT	LIC	COLUMBUS, OH	BLANK00000129745	186.8
	WQLN	D27	DT	LIC	ERIE, PA	BLANK00000083708	158.9
	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK00000112576	137.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
3257.3      444,609	3177.7      438,788	2923.3      400,111	2921.3      400,076	0.07      0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WIVD-LD D26 LD APP	5.9      460	2.0      35	
WOCV-CD D27 DC LIC	144.0      33,449	97.3      28,584	
WTTE D27 DT LIC	53.9      2,683	27.0      663	
WQLN D27 DT LIC	24.0      850	5.0      307	
WTAE-TV D27 DT LIC	115.2      8,409	60.6      3,390	

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Interference to BLANK0000168187 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W27DG-D	D27	LD	LIC	MILLERSBURG, OH	BLANK00000168187	
Undesireds:	WIVD-LD	D26	LD	APP	Canton, OH		0.0 km
	WOCV-CD	D27	DC	LIC	CLEVELAND, OH	BLANK00000202416	67.5
	WTTE	D27	DT	LIC	COLUMBUS, OH	BLANK00000129745	186.8
	WQLN	D27	DT	LIC	ERIE, PA	BLANK00000083708	158.9
	WTAE-TV	D27	DT	CP	PITTSBURGH, PA	BLANK00000127499	137.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
3257.3      444,609	3177.7      438,788	2913.3      399,564	2911.4      399,529	0.07      0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WIVD-LD D26 LD APP	5.9      460	2.0      35	
WOCV-CD D27 DC LIC	144.0      33,449	96.3      28,504	
WTTE D27 DT LIC	53.9      2,683	25.0      648	
WQLN D27 DT LIC	24.0      850	5.0      307	
WTAE-TV D27 DT CP	128.1      9,051	70.5      3,937	

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Interference to proposal scenario 1  
6.70% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WIVD-LD	D26	LD	APP	Canton, OH		
Undesireds:	WGPT	D26	DT	LIC	OAKLAND, MD	BLANK0000080370	232.7 km
	WEKA-LD	D26	LD	LIC	CANTON, OH	BLANK00000149900	76.5
	WOHW-LD	D26	LD	CP	LIMA, OH	BLANK00000158622	286.1
	WFXP	D26	DT	LIC	ERIE, PA	BLANK0000081009	158.5
	WOSC-CD	D26	DC	LIC	PITTSBURGH, PA	BLANK00000125715	116.5
	WOCV-CD	D27	DC	LIC	CLEVELAND, OH	BLANK00000202416	67.5
	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK00000112576	137.2

Service area	Terrain-limited	IX-free	Percent IX
4799.6    854,512	4701.0    846,671	4456.8    789,915	5.19    6.70

Undesired	Total IX	Unique IX	Prcnt Unique IX
WGPT D26 DT LIC	1.0    50    0.0	0	0.00    0.00
WEKA-LD D26 LD LIC	16.2    30,082    5.1	5,461	0.11    0.64
WFXP D26 DT LIC	220.0    26,305    194.1	16,583	4.13    1.96
WOSC-CD D26 DC LIC	25.8    2,748    4.0	275	0.08    0.03
WOCV-CD D27 DC LIC	20.2    33,378    7.1	7,001	0.15    0.83