

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Mansfield31dlkwDir0IT, Model: Longley-Rice

Start: 2021.05.12 10:04:22

Study created: 2021.05.12 10:04:22

Study build station data: LMS TV 2021-05-12

Proposal: W38FM-D D31 LD APP Mansfield, PA

Facility ID: 187456

Station data: User record

Record ID: 2157

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
Yes	WYDC	D30	DT	LIC	CORNING, NY	BLANK0000086927	37.7 km
No	WYNB-LD	D30	LD	LIC	ELLENVILLE, NY	BLANK0000116043	226.6
No	WBUO-LD	N30+	TX	LIC	OLEAN, NY	BLTT20020307ABR	113.8
No	WBUO-LD	D30	LD	LIC	OLEAN, NY	BLANK0000120315	140.2
No	WBUO-LD	D30	LD	APP	OLEAN, NY	BLANK0000130314	163.2
No	WAWW-LP	D30-	LD	CP	ROCHESTER, NY	BLANK0000054618	153.6
No	WAWW-LP	D30-	LD	APP	ROCHESTER, NY	BLANK0000144377	153.6
No	WUTR	D30	DT	LIC	UTICA, NY	BLCDDT20040217ADC	216.2
No	WCZS-LD	D30	LD	LIC	Chambersburg, PA	BLANK0000141136	203.3
No	W43CO-D	D30	LD	CP	KINGSTON, PA	BLANK0000054197	113.3
No	KYW-TV	D30	DT	LIC	PHILADELPHIA, PA	BLANK0000129344	249.5
No	WVIT	D31	DT	LIC	NEW BRITAIN, CT	BLANK0000079823	352.8
No	WETA-TV	D31	DT	LIC	WASHINGTON, DC	BLANK0000120146	317.1
No	WETA-TV	D31	LD	CP	WASHINGTON, DC	BDRTEDT20090811ACE	296.0
No	WPPX-TV	D31	DT	LIC	WILMINGTON, DE	BLCDDT20031203AFL	249.8
No	WNDR-LD	D31	LD	CP	AUBURN, NY	BDCCDTL20110901ACT	134.1
No	WSKG-TV	D31	DT	LIC	BINGHAMTON, NY	BLANK0000116396	98.4
No	WNED-TV	D31	DT	LIC	BUFFALO, NY	BLANK0000107983	203.2

No	W31BP	D31+	LD	CP	BURLINGTON, ETC., NY	BLANK0000054409	189.1
No	W31BP	N31+	TX	LIC	BURLINGTON, ETC., NY	BLTTTL19980120JE	189.1
No	WNCE-CD	D31	DC	LIC	GLENS FALLS, NY	BLDTA20100812ABN	319.5
No	WZPK-LD	D31	LD	LIC	HIGHLAND, NY	BLANK0000113730	226.6
No	WHTV-LD	D31+	LD	CP	PORT JERVIS, NY	BLANK0000144262	285.4
No	W31EF-D	D31+	LD	LIC	PORT JERVIS, NY	BLANK0000049440	261.8
No	WWTI	D31	DT	LIC	WATERTOWN, NY	BLANK0000079855	256.2
No	WYTV	D31	DT	LIC	YOUNGSTOWN, OH	BLANK0000081168	308.1
No	WATM-TV	D31	DT	LIC	ALTOONA, PA	BLANK0000105303	178.2
No	WWBP-LP	N31+	TX	LIC	FREEDOM, PA	BLTTTL20040909ABD	291.9
No	WWBP-LP	D31	LD	APP	FREEDOM, PA	BDFCDTL20121022ACD	283.9
No	WTXF-TV	D31	DT	LIC	PHILADELPHIA, PA	BLANK0000080320	249.8
No	WIIC-LD	D31+	LD	LIC	PITTSBURGH, PA	BLANK0000001503	284.4
No	KDKA-TV	D31	LD	APP	PITTSBURGH, PA	BDRTCDDT20090630ADY	325.1
No	WNDR-LD	D32	LD	APP	AUBURN, NY	BLANK0000139140	134.1
No	WUTV	D32	DT	LIC	BUFFALO, NY	BLANK0000136979	203.4
No	WTKO-CD	D32	DC	LIC	ONEIDA, NY	BLANK0000080049	182.2
No	WHP-TV	D32	DT	LIC	HARRISBURG, PA	BLANK0000080028	163.0
No	W32FP-D	D32	LD	LIC	Scranton, PA	BLANK0000120702	76.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D31
 Mask: Stringent
 Latitude: 41 48 11.40 N (NAD83)
 Longitude: 77 5 3.80 W
 Height AMSL: 380.0 m
 HAAT: 0.0 m
 Peak ERP: 1.00 kW
 Antenna: DIE-TUA-P2 (ID 1000747) 0.0 deg
 Elev Pattn: Generic

50.4 dBu contour:

Azimuth	ERP	HAAT	Distance
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0.0 deg	1.00 kW	-104.8 m	17.4 km
45.0	0.189	-110.2	11.4
90.0	0.003	-109.8	4.3
135.0	0.189	-187.1	11.4
180.0	1.00	-56.3	17.4
225.0	0.189	-103.0	11.4
270.0	0.003	-109.2	4.3
315.0	0.189	-126.3	11.4

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: -113 m

Proposal 25.42 dBu contour does not cross Canadian border
Distance to Canadian border: 190.1 km

Distance to Mexican border: 2526.9 km

Conditions at FCC monitoring station: Canandaigua NY
Bearing: 353.2 degrees Distance: 124.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 275.0 degrees Distance: 2358.0 km

Study cell size: 1.00 km
Profile point spacing: 0.20 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

Interference to BLANK0000086927 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WYDC	D30	DT	LIC	CORNING, NY	BLANK0000086927	

Undesireds:	W38FM-D	D31	LD	APP	Mansfield, PA		37.7 km
	WQMY	D29	DT	LIC	WILLIAMSPORT, PA	BLCDT20090223ABU	104.7
	WUTR	D30	DT	LIC	UTICA, NY	BLCDT20040217ADC	191.3
	KYW-TV	D30	DT	LIC	PHILADELPHIA, PA	BLANK00000129344	279.4
	WSKG-TV	D31	DT	LIC	BINGHAMTON, NY	BLANK00000116396	93.8

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	18678.4	563,486	16465.9	466,285	16254.1	461,800	16245.0	461,645	0.06 0.03

Undesired			Total IX		Unique IX, before		Unique IX, after
W38FM-D D31 LD APP	9.0		155		9.0	155	
WUTR D30 DT LIC	97.8		2,235	86.7	1,917	86.7	1,917
KYW-TV D30 DT LIC	56.2		739	38.1	230	38.1	230
WSKG-TV D31 DT LIC	80.0		2,082	66.9	1,777	66.9	1,777

Interference to BLANK0000086927 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WYDC	D30	DT	LIC	CORNING, NY	BLANK0000086927	

Undesireds:	W38FM-D	D31	LD	APP	Mansfield, PA		37.7 km
	WQMY	D29	DT	CP	WILLIAMSPORT, PA	BLANK0000035754	104.7
	WUTR	D30	DT	LIC	UTICA, NY	BLCDT20040217ADC	191.3
	KYW-TV	D30	DT	LIC	PHILADELPHIA, PA	BLANK00000129344	279.4
	WSKG-TV	D31	DT	LIC	BINGHAMTON, NY	BLANK00000116396	93.8

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	18678.4	563,486	16465.9	466,285	16252.0	461,800	16243.0	461,645	0.06 0.03

Undesired			Total IX		Unique IX, before		Unique IX, after
W38FM-D D31 LD APP	9.0		155		9.0	155	
WQMY D29 DT CP	2.0		0	2.0	0	2.0	0
WUTR D30 DT LIC	97.8		2,235	86.7	1,917	86.7	1,917
KYW-TV D30 DT LIC	56.2		739	38.1	230	38.1	230
WSKG-TV D31 DT LIC	80.0		2,082	66.9	1,777	66.9	1,777

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W38FM-D	D31	LD	APP	Mansfield, PA		
Undesireds:	WSKG-TV	D31	DT	LIC	BINGHAMTON, NY	BLANK00000116396	98.4 km
	W31BP	D31+	LD	CP	BURLINGTON, ETC., NY	BLANK00000054409	189.1
	WWBP-LP	N31+	TX	LIC	FREEDOM, PA	BLTTL20040909ABD	291.9

Service area		Terrain-limited		IX-free		Percent IX	
430.3	11,604	381.2	9,848	380.2	9,845	0.26	0.03

Undesired	Total IX	Unique IX	Prcnt Unique IX
WSKG-TV D31 DT LIC	1.0 3	1.0 3	0.26 0.03