

Study created: 2020.06.26 10:27:38 JMc

Study build station data: LMS TV 2020-06-26

Proposal: WKHU-CD D32 DC LIC KITTANNING, PA
File number: BLANK0000079958
Facility ID: 68401
Station data: User record
Record ID: 958
Country: U.S.

Build options:
Protect LPTV records from Class A

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WSSS-LP	N25z	TX	LIC	STEUBENVILLE, OH	BLTTL19980506JD	100.6 km
No	WWBP-LP	N25-	TX	LIC	FREEDOM, PA	BLTTL19990124JD	61.3
No	WIIC-LD	N29+	TX	LIC	PITTSBURGH, PA	BLTTL19981230JB	52.5
No	WBPA-LD	N30+	TX	LIC	PITTSBURGH, PA	BLANK0000007299	59.6
No	WNED-TV	D31	DT	LIC	BUFFALO, NY	BLANK00000107983	254.3
No	WYTV	D31	DT	LIC	YOUNGSTOWN, OH	BLANK00000081168	97.9
No	WATM-TV	D31	DT	LIC	ALTOONA, PA	BLANK00000105303	95.2
No	WWBP-LP	N31+	TX	LIC	FREEDOM, PA	BLTTL20040909ABD	61.2
No	WWBP-LP	D31	LD	APP	FREEDOM, PA	BDFCDTL20121022ACD	50.7
No	WGAL	D31	LD	APP	LANCASTER, PA	BDRTCDT20090824ADR	197.1
Yes	WIIC-LD	D31+	LD	LIC	PITTSBURGH, PA	BLANK00000001503	52.5
No	KDKA-TV	D31	LD	APP	PITTSBURGH, PA	BDRTCDT20090630ADY	123.0
No	WRZB-LD	D32	LD	LIC	WASHINGTON, DC	BLANK00000024420	293.3
No	WANE-TV	D32	DT	CP	FORT WAYNE, IN	BLANK00000034806	475.1
No	WANE-TV	D32	DT	BL	FORT WAYNE, IN	DTVBL39270	475.1
No	WGDV-LD	D32	LD	LIC	SALISBURY, MD	BLANK00000013993	412.6
No	WBOC-TV	D32	DT	LIC	SALISBURY, MD	BLANK00000079962	418.6
No	WDIV-TV	D32	DT	CP	DETROIT, MI	BLANK00000027872	358.3
No	WDIV-TV	D32	DT	BL	DETROIT, MI	DTVBL53114	358.3
No	WUTV	D32	DT	CP	BUFFALO, NY	BLANK00000075316	253.7
No	WUTV	D32	DT	BL	BUFFALO, NY	DTVBL415	253.7
No	W59DG	D32	LD	CP	ELMIRA, NY	BLANK00000098525	309.6
No	WLIW	D32	DT	LIC	GARDEN CITY, NY	BLANK00000086492	464.9
No	WTKO-CD	D32	DC	LIC	ONEIDA, NY	BLANK00000080049	407.8
No	WOUB-TV	D32	DT	LIC	ATHENS, OH	BLANK00000068360	276.3
No	W32ED-D	D32	LD	CP	CANTON, OH	BLANK00000013880	170.8
No	WRAP-LP	N32-	TX	LIC	CLEVELAND, OH	BLTTL20110902ABQ	188.2
No	WOCB-CD	D32	DC	BL	MARION, OH	DTVBL9939	301.6
Yes	WYFX-LD	D32	LD	LIC	YOUNGSTOWN, OH	BLANK00000082699	97.9
Yes	WMVH-CD	D32	DC	LIC	CHARLEROI, PA	BLANK00000079929	80.0
No	W32DH-D	D32	LD	LIC	ERIE, PA	BLDTL20101122AHG	145.7
No	WHP-TV	D32	DT	LIC	HARRISBURG, PA	BLANK00000080028	230.4
No	WZPA-LD	D32	LD	CP	PHILADELPHIA, PA	BLANK00000051673	414.9
No	WCAV	D32	DT	LIC	CHARLOTTESVILLE, VA	BLANK00000092578	324.5
No	W32EW-D	D32	LD	LIC	ROANOKE, VA	BLANK00000058516	381.1
No	W32ES-D	D32	LD	CP	SUTTON, WV	BNPDTL20100514AAP	260.8
No	WGRZ	D33	DT	APP	BUFFALO, NY	BLANK00000035664	229.2
No	WGRZ	D33	DT	LIC	BUFFALO, NY	BLCDT20050705AAG	229.2
Yes	WFMJ-TV	D33	DT	LIC	YOUNGSTOWN, OH	BLANK00000089155	98.3
No	W43BP	D33-	LD	CP	Altoona, PA	BLANK00000098028	129.0
No	W33CR-D	D33	LD	LIC	CHAMBERSBURG, PA	BLDTT20100503ACB	172.0
No	WJAC-TV	D33	LD	CP	JOHNSTOWN, PA	BLANK00000090618	95.4

No	WPXI	D33	LD	LIC	PITTSBURGH, PA	BLCDT20130111ABQ	66.0
No	W33DZ-D	D33	LD	CP	WILLIAMSPORT, PA	BDCCDTT20130103ACT	219.2

Non-directional AM stations within 0.8 km:
 WTYM 1380 L ND1 D KITTANNING, PA BL
 WTYM 1380 L ND1 N KITTANNING, PA BL

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D32
 Mask: Full Service
 Latitude: 40 47 18.50 N (NAD83)
 Longitude: 79 32 4.50 W
 Height AMSL: 434.8 m
 HAAT: 0.0 m
 Peak ERP: 15.0 kW
 Antenna: DIE-2-1-1 205.0 deg
 Elev Pattrn: Generic

50.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.008 kW	79.9 m	8.3 km
45.0	0.006	80.3	7.9
90.0	0.021	45.2	8.1
135.0	1.45	76.5	28.6
180.0	11.3	126.5	44.2
225.0	12.6	118.4	44.2
270.0	2.00	69.0	29.1
315.0	0.022	60.2	9.5

Database HAAT does not agree with computed HAAT
 Database HAAT: 0 m Computed HAAT: 82 m

Proposal 25.51 dBu contour does not cross Canadian border
 Distance to Canadian border: 184.1 km

Distance to Mexican border: 2297.0 km

Conditions at FCC monitoring station: Laurel MD
 Bearing: 127.1 degrees Distance: 293.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
 Bearing: 276.6 degrees Distance: 2165.7 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%

---- Below is IX received by proposal BLANK00000079958 ----

Proposal receives 2.45% interference from scenario 1

Proposal receives 2.45% interference from scenario 2
No IX check failures found.