

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: ClearfieldPA19d350wTUA2at0T, Model: Longley-Rice

Start: 2021.04.23 09:45:45

Study created: 2021.04.23 09:45:44

Study build station data: LMS TV 2021-04-23

Proposal: W19EI-D D19 LD APP Clearfield, PA

Facility ID: 187452

Station data: User record

Record ID: 2106

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	WDTB-LD	D18	LD	CP	HAMBURG, NY	BLANK0000120384	203.4 km
No	WXTM-LD	D18	LD	CP	ERIE, PA	BLANK0000072360	172.3
No	W19DY-D	D19	LD	CP	CRESAPTOWN, MD	BMPDTL20121012AAA	140.5
No	WRUE-LD	D19	LD	CP	SALISBURY, MD	BLANK0000141151	412.2
No	WYPX-TV	D19	DT	LIC	AMSTERDAM, NY	BLANK0000080167	416.6
No	W20BL-D	D19	LD	CP	BATH, NY	BLANK0000053061	155.4
No	WECY-LD	D19	LD	CP	CORNING, NY	BLANK0000053150	203.1
No	WSTM-TV	D19	DT	LIC	SYRACUSE, NY	BLANK0000136480	291.0
No	WKYC	D19	DT	LIC	CLEVELAND, OH	BLANK0000087282	263.2
No	WCLL-CD	D19	DC	LIC	COLUMBUS, OH	BLANK0000052505	395.8
No	WFND-LD	D19	LD	LIC	FINDLAY, OH	BLANK0000055157	425.4
No	WEPA-LD	D19	LD	CP	ERIE, PA	BNPDTL20100714ACL	172.3
Yes	WBYD-CD	D19	DC	LIC	PITTSBURGH, PA	BLANK0000096151	119.1
No	WZBJ-CD	D19	DC	LIC	LYNCHBURG, VA	BLANK0000086464	415.0
No	W20BL-D	D20	LD	LIC	BATH, NY	BLDTL20120315AAG	178.0
No	WWHC-LD	N20	TX	LIC	OLEAN, NY	BLANK0000022154	110.4
No	WWHC-LD	D20	LD	LIC	OLEAN, NY	BLANK0000118115	153.3
No	W33CR-D	D20	LD	CP	CHAMBERSBURG, PA	BLANK0000130447	132.4

No	W20CP-D	D20	LD	LIC	MANSFIELD, PA	BLANK0000091020	157.4
No	WPGH-TV	D20	DT	LIC	PITTSBURGH, PA	BLANK0000112578	136.3
No	W20AD-D	D20	LD	LIC	WILLIAMSPORT, PA	BLDTT20090810AAD	130.3
No	WAZT-CD	D20	DC	LIC	VIENNA, VA	BLANK0000081642	223.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D19
Mask: Stringent
Latitude: 41 3 52.20 N (NAD83)
Longitude: 78 34 10.80 W
Height AMSL: 737.9 m (Adjusted based on actual ground elevation calculation)
HAAT: 0.0 m
Peak ERP: 0.350 kW
Antenna: DIE-TUA-P2 (ID 1000747) 0.0 deg
Elev Pattn: Generic

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.350 kW	199.0 m	32.3 km
45.0	0.066	75.7	14.8
90.0	0.001	240.4	9.5
135.0	0.066	284.0	27.7
180.0	0.350	231.4	34.1
225.0	0.066	177.3	22.8
270.0	0.001	202.4	8.9
315.0	0.066	212.4	24.6

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 203 m

Proposal 24.25 dBu contour does not cross Canadian border

Distance to Canadian border: 193.7 km

Distance to Mexican border: 2378.9 km

Conditions at FCC monitoring station: Canandaigua NY

Bearing: 27.2 degrees Distance: 232.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 276.2 degrees Distance: 2242.8 km

**Proposal fails contour check to land mobile station: FRANKLIN PA WQMC383 ch. 18

**Proposal fails distance check to land mobile station: FRANKLIN PA WQMC383 ch. 18, 128.1 km

**Proposal fails contour check to land mobile station: FULTON PA WQMC383 ch. 18

(ADDED NOTE: This adjacent-channel LMRS station is secondary to all of its locations with the exception of location 6 at N 39-57-40.0; W 77-28-31.0 and to mobile locations within 128 kilometers of Washington, DC coordinates N 38-53-51.4; W 77-00-31.9. The proposed channel 19D 76 dBu F50,10 contour does not come close to any of these protections; so WQMC383 is adequately protected.)

Study cell size: 1.00 km

Profile point spacing: 1.00 km

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

Maximum new IX to LPTV: 2.00%

Interference to BLANK0000096151 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WBYD-CD	D19	DC	LIC	PITTSBURGH, PA	BLANK0000096151	
Undesireds:	W19EI-D	D19	LD	APP	Clearfield, PA		119.1 km
	WKYC	D19	DT	LIC	CLEVELAND, OH	BLANK0000087282	196.0
	WPGH-TV	D20	DT	LIC	PITTSBURGH, PA	BLANK0000112578	24.9
Service area			Terrain-limited		IX-free, before	IX-free, after	Percent New IX

8839.0	2,105,966	8230.0	2,034,663	7449.3	1,783,811	7449.3	1,783,811	0.00	0.00
Undesired		Total IX		Unique IX, before		Unique IX, after			
W19EI-D D19 LD APP	2.0	140				0.0		0	
WKYC D19 DT LIC	150.8	18,959		93.0 8,476		91.0 8,336			
WPGH-TV D20 DT LIC	687.8	242,376		629.9 231,893		629.9 231,893			

Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W19EI-D	D19	LD	APP	Clearfield, PA		
Undesireds:	WKYC	D19	DT	LIC	CLEVELAND, OH	BLANK0000087282	263.2 km
	WBVD-CD	D19	DC	LIC	PITTSBURGH, PA	BLANK0000096151	119.1
	WWHC-LD	N20	TX	LIC	OLEAN, NY	BLANK0000022154	110.4

Service area		Terrain-limited		IX-free		Percent IX	
1676.4	32,734	1413.6	24,785	1394.4	24,764	1.35	0.08
Undesired		Total IX		Unique IX		Prct Unique IX	
WKYC D19 DT LIC	7.0	0		2.0 0		0.14 0.00	
WBVD-CD D19 DC LIC	17.1	21		12.1 21		0.86 0.08	