

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Tyrone19dlkwB0T, Model: Longley-Rice

Start: 2021.04.30 15:16:50

Study created: 2021.04.30 15:16:50

Study build station data: LMS TV 2021-04-28

Proposal: W19EI-D D19 LD APP Tyrone, PA

Facility ID: 187452

Station data: User record

Record ID: 2126

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	W19DY-D	D19	LD	CP	CRESAPTOWN, MD	BMPDTL20121012AAA	107.3 km
No	WRUE-LD	D19	LD	CP	SALISBURY, MD	BLANK0000141151	370.6
No	WYPX-TV	D19	DT	LIC	AMSTERDAM, NY	BLANK0000080167	416.7
No	W20BL-D	D19	LD	CP	BATH, NY	BLANK0000053061	181.7
No	WECY-LD	D19	LD	CP	CORNING, NY	BLANK0000053150	210.9
No	WSTM-TV	D19	DT	LIC	SYRACUSE, NY	BLANK0000136480	306.4
No	WKYC	D19	DT	LIC	CLEVELAND, OH	BLANK0000087282	291.1
No	WCLL-CD	D19	DC	LIC	COLUMBUS, OH	BLANK0000052505	407.1
No	WEPA-LD	D19	LD	CP	ERIE, PA	BNPDTL20100714ACL	213.1
Yes	WBYD-CD	D19	DC	LIC	PITTSBURGH, PA	BLANK0000096151	122.1
No	WZBJ-CD	D19	DC	LIC	LYNCHBURG, VA	BLANK0000086464	381.7
No	WAVY-TV	D19	DT	LIC	PORTSMOUTH, VA	BLANK0000125371	462.2
No	WWHC-LD	N20	TX	LIC	OLEAN, NY	BLANK0000022154	146.9
No	W33CR-D	D20	LD	CP	CHAMBERSBURG, PA	BLANK0000130447	90.2
No	W20CP-D	D20	LD	LIC	MANSFIELD, PA	BLANK0000091020	163.5
No	WPGH-TV	D20	DT	LIC	PITTSBURGH, PA	BLANK0000112578	144.1
No	W20AD-D	D20	LD	LIC	WILLIAMSPORT, PA	BLD TT20090810AAD	122.7
No	WAZT-CD	D20	DC	LIC	VIENNA, VA	BLANK0000081642	182.1

No WAZT-CD D20 DC CP VIENNA, VA

BLANK0000121163

197.9

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: 40 43 54.40 N (NAD83)

Longitude: 78 19 31.90 W

Height AMSL: 802.0 m

HAAT: 0.0 m

Peak ERP: 1.00 kW

Antenna: Scala-Skewed Panels 0.0 deg

Elev Pattn: Generic

49.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.706 kW	297.4 m	40.9 km
45.0	0.509	172.8	32.8
90.0	1.00	334.0	44.6
135.0	0.446	426.9	43.2
180.0	0.007	392.0	19.2
225.0	0.003	103.1	8.3
270.0	0.202	279.4	33.4
315.0	0.897	302.3	42.4

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 288 m

Proposal 24.25 dBu contour does not cross Canadian border

Distance to Canadian border: 235.4 km

Distance to Mexican border: 2371.9 km

Conditions at FCC monitoring station: Laurel MD

Bearing: 143.2 degrees Distance: 216.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 277.2 degrees Distance: 2267.5 km

**Proposal fails contour check to land mobile station: ADAMS PA WQIN471 ch. 19
**Proposal fails contour check to land mobile station: DAUPHIN PA WQGX586 ch. 19
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**Proposal fails contour check to land mobile station: DAUPHIN PA WQGX587 ch. 19
**Proposal fails distance check to land mobile station: FRANKLIN PA WQMC383 ch. 18, 111.4 km
**Proposal fails distance check to land mobile station: FRANKLIN PA WQMC383 ch. 18, 104.7 km
**Proposal fails distance check to land mobile station: FRANKLIN PA WQMC383 ch. 18, 111.9 km
**Proposal fails distance check to land mobile station: FRANKLIN PA WQMC383 ch. 18, 90.4 km
**Proposal fails distance check to land mobile station: FRANKLIN PA WQMC383 ch. 18, 86.5 km
**Proposal fails distance check to land mobile station: FULTON PA WQMC383 ch. 18, 95.1 km
**Proposal fails contour check to land mobile station: LANCASTER PA WQBV581 ch. 19
**Proposal fails contour check to land mobile station: WASHINGTON MD WQMC384 ch. 18
**Proposal fails contour check to land mobile station: YORK PA WQBV472 ch. 19
**Proposal fails contour check to land mobile station: YORK PA WQBV573 ch. 19
**Proposal fails contour check to land mobile station: YORK PA WQBV583 ch. 19
**Proposal fails contour check to land mobile station: YORK PA WQBV584 ch. 19
**Proposal fails contour check to land mobile station: YORK PA WQBV598 ch. 19
**Proposal fails contour check to land mobile station: YORK PA WQBV599 ch. 19
**Proposal fails contour check to land mobile station: YORK PA WQGX586 ch. 19
**Proposal fails contour check to land mobile station: YORK PA WQIN457 ch. 19
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**Proposal fails contour check to land mobile station: YORK PA WQIN457 ch. 19
**Proposal fails contour check to land mobile station: YORK PA WQIN457 ch. 19
**Proposal fails contour check to land mobile station: YORK PA WQIN458 ch. 19

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[illegible]

**Proposal fails contour check to land mobile station: YORK PA WQIN495 ch. 19
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**Proposal fails contour check to land mobile station: YORK PA WQIN497 ch. 19
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(ADDED NOTE: The above LMRS stations are all secondary to LPTV with the exception of WQMC383. Regarding adjacent-channel WQMC383, all of its locations are also secondary to LPTV 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 BMPDTL20121012AAA CP scenario 1

Desired:	Call W19DY-D	Chan D19	Svc LD	Status CP	City, State CRESAPTOWN, MD	File Number BMPDTL20121012AAA	Distance
Undesireds:	W19EI-D	D19	LD	APP	Tyrone, PA		107.3 km
	WAZT-CD	D20	DC	LIC	VIENNA, VA	BLANK0000081642	103.2
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	595.2 43,922		450.1 30,836		450.1 30,836	449.1 30,836	0.22 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
W19EI-D D19 LD APP			1.0	0		1.0 0	

Interference to BLANK0000096151 LIC scenario 1

Desired:	Call WBVD-CD	Chan D19	Svc DC	Status LIC	City, State PITTSBURGH, PA	File Number BLANK0000096151	Distance
Undesireds:	W19EI-D	D19	LD	APP	Tyrone, PA		122.1 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			1.0	0		0.0 0	
WKYC D19 DT LIC			150.8	18,959	93.0 8,476	92.0 8,476	
WPGH-TV D20 DT LIC			687.8	242,376	629.9 231,893	629.9 231,893	

Interference to proposal scenario 1

Desired:	Call W19EI-D	Chan D19	Svc LD	Status APP	City, State Tyrone, PA	File Number	Distance
Undesireds:	WKYC	D19	DT	LIC	CLEVELAND, OH	BLANK0000087282	291.1 km
	WBVD-CD	D19	DC	LIC	PITTSBURGH, PA	BLANK0000096151	122.1

Service area	Terrain-limited		IX-free	Percent IX
3822.9 188,973	3025.2 134,563	3010.2	134,293	0.49 0.20
Undesired	Total IX		Unique IX	Prcnt Unique IX
WKYC D19 DT LIC	2.0 99	0.0	0	0.00 0.00
WBYD-CD D19 DC LIC	14.9 270	12.9	171	0.43 0.13