

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: Crozet13d0.2kwincsam160at170ff, Model: Longley-Rice
Start: 2022.03.01 13:19:58

Study created: 2022.03.01 13:19:58

Study build station data: LMS TV 2022-03-01

Proposal: W13DV-D D13 LD CP CROZET, VA
Facility ID: 182303
Station data: User record
Record ID: 645
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	WBAL-TV	D12	DT	LIC	BALTIMORE, MD	BLANK00000136441	193.3 km
Yes	WVPT	D12	DD	CP	STAUNTON, VA	BLANK00000028448	77.5
No	WBOY-TV	D12	DT	LIC	CLARKSBURG, WV	BLANK00000003150	196.9
No	WWPX-TV	D12	LD	LIC	MARTINSBURG, WV	BLCDT20110708ACQ	138.8
No	WHYY-TV	D13	DT	LIC	WILMINGTON, DE	BLANK00000124776	337.3
No	WTSF	D13	DT	LIC	ASHLAND, KY	BLANK00000117277	345.3
No	WSKY-TV	D13	DT	LIC	MANTEO, NC	BLANK00000116863	273.2
No	W13DP-D	D13	LD	LIC	YOUNGSTOWN, OH	BLANK00000090576	361.9
No	WBTW	D13	DT	LIC	FLORENCE, SC	BLCDT20090612AIR	443.8
No	WVFX	D13	DT	LIC	CLARKSBURG, WV	BLANK00000179139	198.9
No	WVUX-LD	D13	LD	LIC	FAIRMONT, WV	BLANK00000021955	193.8
No	WWPX-TV	D13	DT	LIC	MARTINSBURG, WV	BLANK00000117578	119.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D13
Mask: Stringent

Latitude: 38 17 50.85 N (NAD83)
Longitude: 78 26 31.90 W
Height AMSL: 206.0 m (Adjusted based on actual ground elevation calculation)
HAAT: 0.0 m
Peak ERP: 0.200 kW
Antenna: SAM-SAM-160 (ID 1005900) 170.0 deg
Elev Pattn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.003 kW	-162.5 m	5.8 km
45.0	0.001	-17.4	4.4
90.0	0.000	40.1	3.2
135.0	0.087	23.5	13.0
180.0	0.188	46.2	19.1
225.0	0.014	16.4	8.1
270.0	0.000	-238.6	2.8
315.0	0.002	-328.5	5.3

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: -78 m

Distance to Canadian border: 475.9 km

Distance to Mexican border: 2206.5 km

Conditions at FCC monitoring station: Laurel MD
Bearing: 55.0 degrees Distance: 170.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 283.6 degrees Distance: 2306.6 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%

Interference to BLANK0000028448 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WVPT	D12	DD	CP	STAUNTON, VA	BLANK0000028448	
Undesireds:	W13DV-D	D13	LD	CP	CROZET, VA		77.5 km
	WVNS-TV	D11	DT	LIC	LEWISBURG, WV	BLANK0000126737	129.6
	WBAL-TV	D12	DT	LIC	BALTIMORE, MD	BLANK0000136441	264.9
	WNCT-TV	D12	DT	LIC	GREENVILLE, NC	BLANK0000117088	355.1
	WBOY-TV	D12	DT	LIC	CLARKSBURG, WV	BLANK0000003150	152.5

IX	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New			
27128.2	930,643	24092.4	809,047	23590.6	793,903	23587.6	793,567	0.01
0.04								

Undesired				Total	IX	Unique IX, before	Unique IX, after
W13DV-D	D13	LD	CP	3.0	336		3.0 336
WVNS-TV	D11	DT	LIC	2.0	0	2.0 0	2.0 0
WBAL-TV	D12	DT	LIC	276.7	4,704	241.3 4,117	241.3 4,117
WNCT-TV	D12	DT	LIC	216.1	6,803	167.6 5,586	167.6 5,586
WBOY-TV	D12	DT	LIC	74.7	5,303	36.3 4,220	36.3 4,220

Interference to proposal scenario 1

Desired:	Call W13DV-D	Chan D13	Svc LD	Status CP	City, State CROZET, VA	File Number	Distance
	Service area						
255.6	20,866	Terrain-limited				IX-free	Percent IX
		249.6	20,660	249.6	20,660	0.00	0.00