

Study created: 2023.10.16 12:14:39 Jmc

Study build station data: LMS TV 2023-10-15

Proposal: WVUX-LD D10 LD LIC Fairmont, WV  
File number: BLANK0000220190  
Facility ID: 129306  
Station data: User record  
Record ID: 1582  
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	WTOV-TV	D9	DT	LIC	STEUBENVILLE, OH	BLCDT20111206ACB	119.4 km
No	WVPB-TV	D9	DT	LIC	HUNTINGTON, WV	BLANK0000141956	181.5
No	W45DN-D	D10	LD	CP	WASHINGTON, DC	BLANK0000194086	329.7
No	W45DN-D	D10	LD	LIC	WASHINGTON, DC	BLANK0000199355	329.7
No	DDWWRD-LP	D10+	LD	APP	DAYTON, OH	BLANK0000053047	321.8
Yes	WOIO	D10	DT	LIC	SHAKER HEIGHTS, OH	BLANK0000040178	259.3
Yes	WOIO	D10	DT	CP	SHAKER HEIGHTS, OH	BLANK0000200945	259.3
No	WHTM-TV	D10	DT	LIC	HARRISBURG, PA	BLANK0000176940	313.3
No	WIIC-LD	D10+	LD	CP	PITTSBURGH, PA	BLANK0000089350	139.5
No	WWTB	D10	DT	LIC	RICHMOND, VA	BLANK0000185198	318.3
Yes	WOWK-TV	D10	DT	LIC	HUNTINGTON, WV	BLANK0000168156	181.5
No	WPKD-TV	D11	DT	LIC	JEANNETTE, PA	BLCDT20090626AAT	137.4
No	WVNS-TV	D11	DT	LIC	LEWISBURG, WV	BLANK0000126737	170.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D10  
Mask: Full Service  
Latitude: 39 17 11.80 N (NAD83)  
Longitude: 80 21 55.80 W  
Height AMSL: 532.5 m  
HAAT: 0.0 m  
Peak ERP: 3.00 kW  
Antenna: PSI-PSIVLP40I-10-EP (ID 1011055) 45.0 deg  
Elev Pattn: Generic  
Elec Tilt: 0.50

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	2.38 kW	179.7 m	53.6 km
45.0	3.00	182.5	55.4
90.0	2.38	183.6	53.8
135.0	1.31	176.5	49.1
180.0	1.12	168.2	47.3
225.0	1.35	174.0	49.1
270.0	1.12	167.2	47.2
315.0	1.31	161.4	47.7

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 174 m

Distance to Canadian border: 316.3 km

Distance to Mexican border: 2136.0 km

Conditions at FCC monitoring station: Laurel MD

Bearing: 91.4 degrees    Distance: 305.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 280.6 degrees    Distance: 2120.6 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%

No IX check failures found.