

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: Sutton18dlkwincEltiat45fA1, Model: Longley-Rice
Start: 2022.05.17 12:01:19

Study created: 2022.05.17 12:01:19

Study build station data: LMS TV 2022-05-18

Proposal: W18FB-D D18 LD LIC SUTTON, WV
Facility ID: 186772
Station data: User record
Record ID: 2093
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	WVVA	D17	DT	LIC	BLUEFIELD, WV	BLANK0000087309	161.8 km
No	WVVA	D17	DT	CP	BLUEFIELD, WV	BLANK00000127491	161.8
No	W30CO-D	D17	LD	CP	WHEELING, WV	BLANK00000054635	155.4
No	WFWA	D18	DT	LIC	FORT WAYNE, IN	BLANK00000063130	468.4
No	WCCB	D18	DT	LIC	CHARLOTTE, NC	BLANK00000097908	377.5
No	WLFL	D18	DT	LIC	RALEIGH, NC	BLANK00000125309	384.4
No	W18EP-D	D18	LD	LIC	WEAVERVILLE, NC	BLANK00000071711	371.7
No	W18EY-D	D18	LD	CP	CANTON, OH	BLANK00000072053	198.7
No	WSTR-TV	D18	DT	LIC	CINCINNATI, OH	BLANK00000157764	334.8
No	WCBZ-CD	D18	DC	LIC	Columbus, OH	BLANK00000069165	253.1
No	W18ES-D	D18	LD	LIC	MANSFIELD, OH	BLANK00000087113	273.4
No	WOIO	D18	LD	LIC	SHAKER HEIGHTS, OH	BLANK00000079849	277.0
No	WDTJ-LD	D18	LD	CP	TOLEDO, OH	BLANK00000158049	410.4
No	WPXK-TV	D18	DT	LIC	JELICO, TN	BLANK00000081463	410.6
No	WLPX-TV	D18	DT	LIC	CHARLESTON, WV	BLANK00000118002	131.2
No	WBYD-CD	D19	DC	LIC	PITTSBURGH, PA	BLANK00000096151	215.0
No	WZBJ-CD	D19	DC	LIC	LYNCHBURG, VA	BLANK00000086464	198.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D18
Mask: Full Service
Latitude: 38 39 48.60 N (NAD83)
Longitude: 80 42 43.00 W
Height AMSL: 261.1 m (Adjusted based on actual ground elevation calculation)
HAAT: 0.0 m
Peak ERP: 1.00 kW
Antenna: ELTI-ELTI UHF Panel (ID 1008435) 45.0 deg
Elev Pattn: Generic

49.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.214 kW	-131.4 m	12.6 km
45.0	1.00	-70.9	18.8
90.0	0.202	-95.0	12.4
135.0	0.000	-208.5	3.2
180.0	0.008	-192.3	5.6
225.0	0.002	-118.1	4.3
270.0	0.005	-60.6	5.2
315.0	0.000	-110.9	3.2

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: -123 m

Distance to Canadian border: 364.2 km

Distance to Mexican border: 2069.5 km

Conditions at FCC monitoring station: Laurel MD
Bearing: 79.4 degrees Distance: 341.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 282.3 degrees Distance: 2105.0 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

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 proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W18FB-D	D18	LD	LIC	SUTTON, WV		

	Service area		Terrain-limited		IX-free		Percent IX
294.9	5,562	291.9	5,531	291.9	5,531	0.00	0.00