

tvstudy v2.2.5 (4uoc83)  
Database: localhost, Study: Evansville6d100wSAM90T, Model: Longley-Rice  
Start: 2023.03.02 11:00:05

Study created: 2023.03.02 11:00:05

Study build station data: LMS TV 2023-03-02

Proposal: W06DG-D D6 LD APP EVANSVILLE, IN  
Facility ID: 181947  
Station data: User record  
Record ID: 1147  
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	WTVF	D5	LD	LIC	NASHVILLE, TN	BLCDT20120910AAA	191.3 km
No	WDHC-LD	D6	LD	LIC	LEBANON, KY	BLANK0000205847	178.2
No	WDHC-LD	D6	LD	LIC	LEBANON, KY	BLANK0000146037	174.6
No	WDHC-LD	D6	LD	CP	LEBANON, KY	BLANK0000185050	178.2
No	WPGF-LD	N6+	TX	LIC	MEMPHIS, TN	BLANK0000093309	361.5
No	WPGF-LD	D6+	LD	LIC	MEMPHIS, TN	BLANK0000181449	361.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D6  
Mask: Stringent  
Latitude: 37 53 14.20 N (NAD83)  
Longitude: 87 31 7.00 W  
Height AMSL: 160.4 m (Adjusted based on actual ground elevation calculation)

HAAT: 0.0 m  
Peak ERP: 0.100 kW  
Antenna: SAMCO-SAM-137 (ID 1009462) 90.0 deg  
Elev Pattn: Generic

43.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	42.7 m	3.1 km
45.0	0.023	45.7	12.8
90.0	0.100	46.6	18.5
135.0	0.023	34.4	11.1
180.0	0.000	35.8	2.9
225.0	0.000	40.2	5.3
270.0	0.002	50.3	7.2
315.0	0.000	45.6	5.7

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 43 m

Distance to Canadian border: 582.4 km

Distance to Mexican border: 1557.5 km

Conditions at FCC monitoring station: Powder Springs GA  
Bearing: 149.8 degrees    Distance: 513.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 284.7 degrees    Distance: 1546.7 km

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%

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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W06DG-D	D6	LD	APP	EVANSVILLE, IN		
Undesireds:	WDHC-LD	D6	LD	LIC	LEBANON, KY	BLANK00000205847	178.2 km

	Service area		Terrain-limited		IX-free		Percent IX
286.2	28,120	281.1	28,066	281.1	28,066	0.00	0.00