

Study created: 2018.05.14 12:04:06

Study build station data: LMS TV 2018-05-13

Proposal: WQTV-LP N24+ TX LIC MURRAY, KY  
File number: WQTV License BLTTL20010425AAF  
Facility ID: 31410  
Station data: User record  
Record ID: 1902  
Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WUSI-TV	D23	DT	CP	OLNEY, IL	BLANK0000034827	255.1 km
No	W23BV-D	D23	LD	LIC	EVANSVILLE, IN	BLDTA20090720ACU	177.0
No	WKZT-TV	D23	DT	CP	ELIZABETHTOWN, KY	BLANK0000034628	254.0
No	WKPD	D23	DT	CP	PADUCAH, KY	BLANK0000025329	67.8
No	WKPD	D23	DT	APP	PADUCAH, KY	BLANK0000034632	67.8
No	WTWV	D23	DT	LIC	MEMPHIS, TN	BLANK0000048888	200.2
No	WJDE-LD	D23	DC	CP	NASHVILLE, TN	BLANK0000034264	145.3
No	WBXA-CD	D24	DC	LIC	BIRMINGHAM, AL	BLANK0000001638	367.8
No	WBXA-CD	D24	DC	CP	BIRMINGHAM, AL	BLANK0000035776	367.8
No	WHIQ	D24	DT	LIC	HUNTSVILLE, AL	BLANK0000004828	259.0
No	K30MF-D	D24	LD	APP	JONESBORO, AR	BLANK0000053060	240.3
No	KPMF-LD	D24	LD	APP	PARAGOULD, AR	BLANK0000051654	192.3
No	KVTN-DT	D24	DT	LIC	PINE BLUFF, AR	BLCDT20071231AFB	403.8
No	WHOI	D24	DT	CP	PEORIA, IL	BLANK0000034285	469.0
No	NEW	D24	LD	APP	EVANSVILLE, IN	BNPDTL20090825BAF	177.0
No	WJTS-CD	D24	DC	CP	JASPER, IN	BLANK0000028094	240.8
No	WNKY	D24	DT	CP	BOWLING GREEN, KY	BLANK0000025367	199.1
No	WKON	D24	DT	CP	OWENTON, KY	BLANK0000034637	380.1
No	KYCW-LD	D24	LD	APP	BRANSON, MO	BLANK0000052520	415.8
No	K24KY-D	D24	LD	CP	CAPE GIRARDEAU, MO	BLANK0000036238	166.2
No	KMOV	D24	DT	LIC	ST. LOUIS, MO	BLCDT20090626ACG	280.2
No	W39CA-D	D24	DC	CP	FULTON, MS	BLANK0000028855	277.0
No	WMDN	D24	DT	APP	MERIDIAN, MS	BLANK0000035927	470.4
No	WMDN	D24	DT	LIC	MERIDIAN, MS	BLCDT20090304ADW	470.4
No	WDDA-LD	D24	LD	CP	CHATTANOOGA, TN	BDCCDTL20110616AAB	312.8
No	WNPX-LP	D24-	LD	APP	NASHVILLE, TN	BLANK0000051849	140.9
No	WETP-TV	D24	DT	CP	SNEEDVILLE, TN	BLANK0000029748	460.8
Yes	WUWT-CD	D24	DC	CP	UNION CITY, TN	BLANK0000028231	64.1
No	NEW	D25	LD	APP	EVANSVILLE, IN	BNPDTL20090825AZP	164.3
No	NEW	D25	LD	APP	EVANSVILLE, IN	BNPDTL20090825BSG	163.8
No	WDKA	D25	DT	CP	PADUCAH, KY	BLANK0000034371	108.4
No	K25NS-D	D25	LD	CP	CAPE GIRARDEAU, MO	BNPDTL20100907ABZ	166.2
No	WJFB	D25	DT	CP	LEBANON, TN	BLANK0000034895	180.2
No	WATN-TV	D25	DT	LIC	MEMPHIS, TN	BLCDT20050628AAP	192.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: N24+  
Latitude: 36 32 58.00 N (NAD83)  
Longitude: 88 19 52.00 W  
Height AMSL: 324.0 m  
HAAT: 0.0 m  
Peak ERP: 9.97 kW  
Antenna: AND-ALP24L3-HSW (ID 16711) 350.0 deg  
Elev Pattern: Generic

72.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	9.67 kW	161.6 m	20.4 km
45.0	9.47	165.4	20.5
90.0	7.12	174.4	19.6
135.0	2.05	159.0	13.1
180.0	0.638	145.7	9.5
225.0	4.12	162.3	16.1
270.0	9.48	159.1	20.1
315.0	8.57	160.8	19.7

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m Computed HAAT: 161 m

Distance to Canadian border: 744.2 km

Distance to Mexican border: 1416.6 km

Conditions at FCC monitoring station: Powder Springs GA  
Bearing: 131.3 degrees Distance: 443.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 290.2 degrees Distance: 1522.8 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%

**\*\*IX check failure to BLANK0000028231 CP scenario 1, 1.60% interference caused**