

Study created: 2018.04.04 21:42:47

Study build station data: LMS TV 2018-03-30

Proposal: WQEK-LD D30 LD LIC PARAGOUL, AR

File number: WQEK-IDSP30

Facility ID: 188791

Station data: User record

Record ID: 737

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	W15CG	N15-	TX	LIC	PONTOTOC, MS	BLTTL20050308ABV	137.4 km
No	WWWN-LP	N15+	TX	LIC	MEMPHIS, TN	BLTTL20111121DBI	8.2
No	WKNO	D29	DT	LIC	MEMPHIS, TN	BLEDT20060627ABE	14.1
No	WIAT	D30	DT	LIC	BIRMINGHAM, AL	BLCDT20021219AAV	337.4
No	K30NH-D	D30	LD	CP	EL DORADO, AR	BNPDTL20101020AAQ	349.1
Yes	K30MF-D	D30	LD	LIC	JONESBORO, AR	BLANK0000001516	136.6
Yes	KLRT-TV	D30	DT	LIC	LITTLE ROCK, AR	BLCDT20020507AAK	252.6
No	WEDK-LD	D30	LD	CP	EFFINGHAM, IL	BMPDTL20111006ACR	429.0
Yes	WTCT	D30	DT	CP	MARION, IL	BLANK0000034912	262.4
No	WKOH	D30	DT	LIC	OWENSBORO, KY	BLEDT20020304ALJ	360.2
No	K30NE-D	D30	LD	CP	CAPE GIRARDEAU, MO	BNPDTL20100907ACB	225.9
Yes	W30DV-D	D30	LD	CP	AUBURN, MS	BNPDTL20100510AFY	153.1

No	WLBT	D30	DT LIC	JACKSON, MS	BLCDT20100119AEE	344.9
No	WCKV-LD	D30	LD LIC	CLARKSVILLE, TN	BLDTL20131213AAA	258.4
No	WCKV-LD	D30	LD CP	CLARKSVILLE, TN	BPDTL20131230AQQ	263.0
No	WNAB	D30	DT CP	NASHVILLE, TN	BLANK0000028214	290.6
Yes	WNAB	D30	DT APP	NASHVILLE, TN	BLANK0000034797	290.6
No	WLMT	D31	DT LIC	MEMPHIS, TN	BLCDT20050427ABN	0.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30

Mask: Full Service

Latitude: 35 16 33.00 N (NAD83)

Longitude: 89 46 38.00 W

Height AMSL: 426.2 m

HAAT: 0.0 m

Peak ERP: 10.0 kW

Antenna: Omnidirectional

Elev Pattn: Generic

Elec Tilt: 0.75

50.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	10.0 kW	322.0 m	55.3 km
45.0	10.0	327.0	55.5
90.0	10.0	331.6	55.8

135.0	10.0	317.3	55.0
180.0	10.0	318.6	55.1
225.0	10.0	339.7	56.2
270.0	10.0	355.6	57.0
315.0	10.0	338.5	56.1

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 331 m

Distance to Canadian border: 935.3 km

Distance to Mexican border: 1232.4 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 107.3 degrees    Distance: 488.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 296.2 degrees    Distance: 1458.9 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%

No IX check failures found.