

Study created: 2018.07.23 19:29:30

Study build station data: LMS TV 2018-07-22 (83)

Proposal: WMJN-LD D32 LD APP HUNTSVILLE, AL  
File number: BLANK0000054506  
Facility ID: 10593  
Station data: User record  
Record ID: 1928  
Country: U.S.

Build options:  
Protect baseline records from LPTV

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WAXC-LD	D31	LD	LIC	ALEXANDER CITY, AL	BLDTL20110329ABN	206.3 km
No	WSFG-LD	D31	LD	CP	BERRY, AL	BLANK0000029418	150.3
No	WWHL-LP	D31-	LD	CP	DECATUR, AL	BLANK0000054631	54.8
No	WPCH-TV	D31	DT	CP	ATLANTA, GA	BLANK0000025264	226.4
No	WPCH-TV	D31	DT	BL	ATLANTA, GA	DTVBL64033	226.4
No	WBXX-TV	D31	DT	CP	CROSSVILLE, TN	BLANK0000025087	250.6
No	WBXX-TV	D31	DT	BL	CROSSVILLE, TN	DTVBL72971	250.6
No	WAXC-LD	D32	LD	CP	ALEXANDER CITY, AL	BDISDTL20120831ABQ	206.3
No	WAAO-LD	D32	LD	APP	ANDALUSIA, AL	BLANK0000053714	377.5
Yes	W50BO	D32+	LD	APP	ASHVILLE, AL	BLANK0000054790	108.5
No	WBMA-LD	D32	LD	APP	BIRMINGHAM, AL	BLANK0000052973	147.6
No	W21DM-D	D32	LD	APP	TUSCALOOSA, AL	BLANK0000051652	141.4
No	W32EQ-D	D32	LD	CP	TUSCALOOSA, AL	BLANK0000010947	221.9
No	WSB-TV	D32	DT	CP	ATLANTA, GA	BLANK0000034812	226.9
No	WSB-TV	D32	LD	APP	ATLANTA, GA	BLANK0000054733	267.8
No	WSB-TV	D32	LD	APP	ATLANTA, GA	BLANK0000054736	254.4
No	WSB-TV	D32	DT	BL	ATLANTA, GA	DTVBL23960	226.9
No	W32DU-D	D32	LD	CP	Columbus, GA	BLANK0000009479	249.5
No	W32DU-D	D32	LD	LIC	Columbus, GA	BLDTL20140226AGL	241.8
No	W11DD-D	D32	LD	APP	HARTWELL & ROYSTON, GA	BLANK0000053811	332.6
No	NEW	D32	LD	APP	EVANSVILLE, IN	BNPDTL20090825AZT	353.5
No	WKUT-LD	D32	LD	LIC	BOWLING GREEN, KY	BLANK0000011198	309.9
No	WKUT-LD	D32	LD	CP	BOWLING GREEN, KY	BLANK0000011226	354.7
No	WDRB	D32	DT	CP	LOUISVILLE, KY	BLANK0000034591	406.2
No	WDRB	D32	DT	BL	LOUISVILLE, KY	DTVBL28476	406.2
No	W32ET-D	D32	LD	CP	AUBURN, MS	BNPDTL20100510AGA	198.5
No	WABG-TV	D32	DT	LIC	GREENWOOD, MS	BLCDT20051024ABR	398.9
No	W32EP-D	D32	LD	CP	TUPELO, MS	BDCCDTL20120625ACW	198.5
No	W02AG-D	D32	LD	APP	BREVARD, NC	BLANK0000054155	354.4

No	W18BL-D	D32	DC	CP	ADAMSVILLE, TN	BLANK0000034140	175.3
No	W18BL-D	D32	DC	BL	ADAMSVILLE, TN	DTVBL68911	176.8
Yes	WNPX-TV	D32	DT	CP	COOKEVILLE, TN	BLANK0000034404	171.8
Yes	WNPX-TV	D32	DT	BL	COOKEVILLE, TN	DTVBL28468	171.8
No	WQEO-LD	D32	LD	APP	JACKSON, TN	BLANK0000053627	301.4
No	WKPT-TV	D32	DT	CP	KINGSPORT, TN	BLANK0000034339	439.6
No	WKPT-TV	D32	DT	BL	KINGSPORT, TN	DTVBL27504	439.7
No	WEEE-LP	N32+	TX	CP	KNOXVILLE, TN	BPTTL20120508ADS	272.2
No	WEEE-LP	N32+	TX	LIC	KNOXVILLE, TN	BLTT19980717JA	265.2
No	WEEE-LP	D32	LD	CP	KNOXVILLE, TN	BMPDTA20120605AAP	272.2
No	WWHL-LP	N33-	TX	LIC	DECATUR, AL	BLTT20060817AEG	54.8
Yes	WPXH-TV	D33	DT	CP	GADSDEN, AL	BLANK0000034874	94.2
Yes	WPXH-TV	D33	DT	BL	GADSDEN, AL	DTVBL73312	94.2
No	WPDP-CD	D33-	DC	CP	CLEVELAND, TN	BLANK0000029921	179.6
No	WPGD-TV	D33	DT	LIC	HENDERSONVILLE, TN	BMLCDT20131125BGF	171.8
No	W30DF-D	D33	LD	CP	OLIVE HILL, TN	BDISDTL20131219GLJ	148.5
No	W34DB	N34+	TX	LIC	LEWISBURG, TN	BLTTL20050309ABL	82.5
No	WYHB-LP	N39z	TX	LIC	CHATTANOOGA, TN	BLTTL19980824JC	125.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D32  
 Mask: Full Service  
 Latitude: 34 44 12.80 N (NAD83)  
 Longitude: 86 31 58.90 W  
 Height AMSL: 686.1 m  
 HAAT: 0.0 m  
 Peak ERP: 15.0 kW  
 Antenna: BOG-B16UB (ID 18054) 280.0 deg  
 Elev Pattn: Generic

50.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	4.06 kW	457.6 m	55.7 km
45.0	0.726	438.1	44.7
90.0	0.900	446.6	46.2
135.0	0.646	442.5	44.1
180.0	0.864	443.3	45.9
225.0	12.8	493.1	63.9
270.0	14.3	481.2	64.2
315.0	14.1	443.6	62.8

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 456 m

Distance to Canadian border: 841.3 km

Distance to Mexican border: 1391.8 km

Conditions at FCC monitoring station: Powder Springs GA  
Bearing: 119.8 degrees    Distance: 192.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 295.5 degrees    Distance: 1750.8 km

Study cell size: 2.00 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.