

FCC TVSTUDY SUMMARY REPORT - FIGURE 3

Study build station data: LMS TV 2022-10-06

Proposal: W17EI-D D17 LD APP JACKSON, TN

File number: W17EI HAM SHACK

Facility ID: 185274

Station data: User record

Record ID: 645

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	KJNB-LD	D16	LD	LIC	JONESBORO, AR	BLANK0000166827	194.8 km
No	WLOV-TV	D16	DT	LIC	WEST POINT, MS	BLCDT20070405ABC	207.4
No	WNBj-LD	D16	LD	LIC	JACKSON, TN	BLDTL20141216ABU	6.4
No	WWWN-LD	D16	LD	LIC	MEMPHIS, TN	BLANK0000156897	101.1
No	WHTN	D16	DT	LIC	MURFREESBORO, TN	BLANK0000100650	222.3
No	WUOA-LD	D17	LD	LIC	BIRMINGHAM, AL	BLANK0000011374	304.2
No	WAAY-TV	D17	DT	LIC	HUNTSVILLE, AL	BLANK0000163425	232.9
No	WJMY-CD	D17	DC	LIC	TUSCALOOSA, AL	BLANK0000086812	297.7
No	K17LV-D	D17	LD	LIC	PARAGOULD, AR	BLANK0000179143	185.8
No	WKMU	D17	DT	LIC	MURRAY, KY	BLANK0000087481	119.1
No	WKOI	D17	DT	LIC	OWENSBORO, KY	BLANK0000087401	279.4
No	WKSO-TV	D17	DT	LIC	SOMERSET, KY	BLANK0000087465	396.8
No	KDTL-LD	D17	LD	CP	ST LOUIS, MO	BLANK0000199682	345.3
No	WXVT-LD	D17	LD	LIC	CLEVELAND, MS	BLANK0000025210	279.4
No	WEPH	D17	DT	LIC	TUPELO, MS	BLANK0000062855	207.4
No	WRTN-LD	D17	LD	LIC	ALEXANDRIA, TN	BLANK0000191369	196.4
No	WZDX	D18	DT	LIC	HUNTSVILLE, AL	BLANK0000108705	232.9
No	KVTJ-DT	D18	DT	LIC	JONESBORO, AR	BLANK0000064048	152.0
No	WKYU-TV	D18	DT	LIC	BOWLING GREEN, KY	BLDT20040803AAG	266.6
No	WQWQ-LD	D18-	LD	LIC	PADUCAH, KY	BLANK0000201472	172.4
No	W18EW-D	D18	LD	CP	JACKSON, TN	BLANK0000179485	64.4
No	W18EW-D	D18	LD	LIC	JACKSON, TN	BLANK0000159471	54.5
No	DWJFB-LP	D18z	LD	APP	LEBANON, TN	BLANK0000005264	196.4
No	DDDWQTV-LPN24+		TX	APP	MURRAY, KY	BLTTL20010425AAF	110.0

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

WTJF 1390 L DAN D JACKSON, TN BL19810504AE

WTJF 1390 L DAN N JACKSON, TN BL19781031AC

Record parameters as studied:

Channel: D17

Mask: Full Service

Latitude: 35 38 58.28 N (NAD83)

Longitude: 88 50 26.29 W

Height AMSL: 146.5 m (Adjusted based on actual ground elevation calculation)

HAAT: 0.0 m

Peak ERP: 1.56 kW

Antenna: SCA-SCA-1469B (ID 1009165) 0.0 deg

Elev Pattn: Generic

49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	22.7 m	2.2 km
45.0	0.000	7.7	2.2
90.0	0.000	0.7	2.2
135.0	0.000	29.3	2.2
180.0	0.000	18.6	2.2
225.0	0.802	18.5	17.9
270.0	1.03	43.6	22.6
315.0	0.000	16.1	2.2

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 20 m

Distance to Canadian border: 852.4 km

Distance to Mexican border: 1322.3 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 116.7 degrees Distance: 425.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 294.0 degrees Distance: 1518.0 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: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

---- Below is IX received by proposal W17EI HAM SHACK ----

Proposal receives 29.19% interference from scenario 1
No IX check failures found.