FIGURE 3- FCC TVSTUDY SUMMARY REPORT - W17EI MOD OF LICENSE

Study build station data: LMS TV 2022-01-08

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    Proposal: W17EI-D D17 LD LIC JACKSON, TN
 File number: LICENSE MOD APP
 Facility ID: 185274
Station data: User record
   Record ID: 588
     Country: U.S.

Proposal "before": W17EI-D D17 LD LIC JACKSON, TN
      File number: BLANK0000164056
      Facility ID: 185274
     Station data: LMS TV 2022-01-08
        Record ID: 25076ff37c7bc2ec017c94ec25e357f6
          Country: U.S.

Build options:
Protect pre-transition records not on baseline channel
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Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	KJNB-LD	D16	LD	LIC	JONESBORO, AR	BLANK0000166827	197.9 km
No	K16NP-D	D16	LD	CP	CAPE GIRARDEAU, MO	BLANK0000071876	211.4
No	WLOV-TV	D16	DT	LIC	WEST POINT, MS	BLCDT20070405ABC	207.0
No	WNBJ-LD	D16	LD	LIC	JACKSON, TN	BLDTL20141216ABU	4.4
No	WWWN-LD	D16	LD	LIC	MEMPHIS, TN	BLANK0000156897	103.3
No	WHTN	D16	DT	LIC	MURFREESBORO, TN	BLANK0000100650	219.6
No	WUOA-LD	D17	LD	LIC	BIRMINGHAM, AL	BLANK0000011374	301.7
No	WAAY-TV	D17	DT	LIC	HUNTSVILLE, AL	BLANK0000163425	229.8
No	WJMY-CD	D17	DC	LIC	TUSCALOOSA, AL	BLANK0000086812	295.7
No	K17LV-D	D17	LD	CP	PARAGOULD, AR	BLANK0000178193	188.6
No	K17LV-D	D17	LD	LIC	PARAGOULD, AR	BLANK0000179143	188.6
No	WKSY-LD	D17	LD	CP	SUMMERVILLE/TRION, GA	BLANK0000074683	345.0
No	WKMU	D17	DT	LIC	MURRAY, KY	BLANK0000087481	119.3
No	WKOH	D17	DT	LIC	OWENSBORO, KY	BLANK0000087401	278.7
No	WKSO-TV	D17	DT	LIC	SOMERSET, KY	BLANK0000087465	394.5
No	WXVT-LD	D17	LD	LIC	CLEVELAND, MS	BLANK0000025210	280.7
No	WEPH	D17	DT	LIC	TUPELO, MS	BLANK0000062855	207.0
No	WRTN-LD	D17	LD	CP	ALEXANDRIA, TN	BLANK0000054584	193.9
No	WZDX	D18	DT	LIC	HUNTSVILLE, AL	BLANK0000108705	229.8
No	KVTJ-DT	D18	DT	LIC	JONESBORO, AR	BLANK0000064048	154.9
No	WKYU-TV	D18	DT	LIC	BOWLING GREEN, KY	BLEDT20040803AAG	264.7
No	WQWQ-LD	D18-	LD	LIC	PADUCAH, KY	BLANK0000150501	157.5
No	WQWQ-LD	D18-	LD	CP	PADUCAH, KY	BLANK0000159945	172.9
No	DWJFB-LP	D18z	LD	APP	LEBANON, TN	BLANK0000005264	193.9
No	DDDWQTV-LP	N24+	TX	APP	MURRAY, KY	BLTTL20010425AAF	109.5

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No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:
WDXI 1310 L DAN D JACKSON, TN BL19811224AB
WDXI 1310 L DAN N JACKSON, TN BL19811224AB
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 32.00 N (NAD83)
  Longitude:  88 48 28.00 W
Height AMSL: 221.9 m
       HAAT: 0.0 m
   Peak ERP: 2.00 kW
    Antenna: SCA-1469B 0.0 deg
Elev Pattrn: Generic
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49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	92.6 m	3.9 km
45.0	0.000	70.3	3.4
90.0	0.000	82.0	3.7
135.0	0.000	88.7	3.8
180.0	0.000	99.8	4.1
225.0	1.03	95.8	31.0
270.0	1.32	113.3	34.1
315.0	0.000	90.0	3.9

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 92 m

Distance to Canadian border: 851.4 km

Distance to Mexican border: 1323.5 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 116.8 degrees Distance: 422.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 294.0 degrees Distance: 1521.1 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 LICENSE MOD APP ----

Proposal receives 34.80% interference from scenario 1
No IX check failures found.

LICENSEE ACCEPTS ALL INCOMING INTERFERENCE FROM EXISTING
FACILITIES OR PENDING APPLICATIONS AT TIME OF FILING.