FCC TVSTUDY - SUMMARY REPORT W17EI

Study created: 2021.09.25 20:36:52
Study build station data: LMS TV 2021-09-25

    Proposal: W17EI-D D17 LD APP JACKSON, TN
 File number: W17EI FINAL SITE
 Facility ID: 185274
Station data: User record
   Record ID: 572
     Country: U.S.

Proposal "before": W17EI-D D17 LD CP JACKSON, TN
      File number: BLANK0000071918
      Facility ID: 185274
     Station data: LMS TV 2021-09-25
        Record ID: 25076f916a230454016a28651d2411dd
          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	CP	JONESBORO, AR	BLANK0000148869	193.1 km
No	K16NP-D	D16	LD	CP	CAPE GIRARDEAU, MO	BLANK0000071876	207.3
No	WLOV-TV	D16	DT	LIC	WEST POINT, MS	BLCDT20070405ABC	208.6
No	WNBJ-LD	D16	LD	LIC	JACKSON, TN	BLDTL20141216ABU	8.4
No	WWWN-LD	D16	LD	LIC	MEMPHIS, TN	BLANK0000156897	100.4
No	WHTN	D16	DT	LIC	MURFREESBORO, TN	BLANK0000100650	223.4
No	WUOA-LD	D17	LD	LIC	BIRMINGHAM, AL	BLANK0000011374	306.1
Yes	WAAY-TV	D17	DT	LIC	HUNTSVILLE, AL	BLANK0000071637	234.7
Yes	WAAY-TV	D17	DT	CP	HUNTSVILLE, AL	BLANK0000127697	234.7
No	WJMY-CD	D17	DC	LIC	TUSCALOOSA, AL	BLANK0000086812	299.5
No	K17LV-D	D17	LD	CP	PARAGOULD, AR	BNPDTL20101019AAN	154.5
No	WKSY-LD	D17	LD	CP	SUMMERVILLE/TRION, GA	BLANK0000074683	349.9
Yes	WKMU	D17	DT	LIC	MURRAY, KY	BLANK0000087481	118.2
No	WKOH	D17	DT	LIC	OWENSBORO, KY	BLANK0000087401	278.9
No	WKSO-TV	D17	DT	LIC	SOMERSET, KY	BLANK0000087465	397.6
No	KMIZ	D17	DT	CP	COLUMBIA, MO	BLANK0000127487	476.4
No	KMIZ	D17	DT	LIC	COLUMBIA, MO	BLANK0000089534	476.4
No	WXVT-LD	D17	LD	LIC	CLEVELAND, MS	BLANK0000025210	279.6
Yes	WEPH	D17	DT	LIC	TUPELO, MS	BLANK0000062855	208.6
No	WRTN-LD	D17	LD	CP	ALEXANDRIA, TN	BLANK0000054584	197.3
No	WZDX	D18	DT	LIC	HUNTSVILLE, AL	BLANK0000108705	234.7
No	KVTJ-DT	D18	DT	LIC	JONESBORO, AR	BLANK0000064048	150.5
No	WKYU-TV	D18	DT	LIC	BOWLING GREEN, KY	BLEDT20040803AAG	267.0
No	WQWQ-LD	D18-	LD	LIC	PADUCAH, KY	BLANK0000150501	156.0
No	WQWQ-LD	D18-	LD	APP	PADUCAH, KY	BLANK0000159945	170.2
No	W18EW-D	D18	LD	LIC	JACKSON, TN	BLANK0000159471	55.5
No	W18EW-D	D18	LD	APP	JACKSON, TN	BLANK0000159667	98.6
No	DWJFB-LP	D18z	LD	APP	LEBANON, TN	BLANK0000005264	197.3
No	DDDWQTV-LP	N24+	TX	APP	MURRAY, KY	BLTTL20010425AAF	109.4

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:

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    Channel: D17
       Mask: Full Service
   Latitude:  35 39 40.67 N (NAD83)
  Longitude:  88 51 24.96 W
Height AMSL: 139.6 m (Adjusted based on actual ground elevation calculation)
       HAAT: 0.0 m
   Peak ERP: 2.50 kW
    Antenna: KAT CA7-YAGI/1 250.0 deg
Elev Pattrn: Generic
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49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.034 kW	16.6 m	8.1 km
45.0	0.051	12.1	9.0
90.0	0.038	-10.9	8.4
135.0	0.056	22.1	9.2
180.0	0.166	8.1	11.9
225.0	1.33	19.6	20.2
270.0	1.72	37.8	23.5
315.0	0.094	10.2	10.4

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m   Computed HAAT: 14 m

Distance to Canadian border: 852.1 km

Distance to Mexican border: 1322.5 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 116.7 degrees   Distance: 427.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 294.0 degrees   Distance: 1516.2 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%

Proposal causes no interference to BLANK0000071637 LIC
Proposal causes no interference to BLANK0000127697 CP
Proposal causes no interference to BLANK0000087481 LIC
Proposal causes no interference to BLANK0000062855 LIC

---- Below is IX received by proposal W17EI FINAL SITE ----
Proposal receives 16.12% interference from scenario 1
Proposal receives 16.12% interference from scenario 2

No IX check failures found.