FCC TVSTUDY SUMMARY REPORT

[SEE SPECIAL NOTES AT END OF THIS SUMMARY]

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    Proposal: W18EW-D D18 LD APP JACKSON, TN
 File number: W18EW APP
 Facility ID: 185273
Station data: User record
   Record ID: 565
     Country: U.S.

Proposal "before": W18EW-D D18 LD LIC *P JACKSON, TN
      File number: BLANK0000159471
      Facility ID: 185273
     Station data: LMS TV 2021-09-17
        Record ID: 25076ff37be66933017beed53d0309d4
          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	DWIIW-LP	N14z	TX	APP	NASHVILLE, TN	BLANK0000010767	99.5	km
No	WAAY-TV	D17	DT	LIC	HUNTSVILLE, AL	BLANK0000071637	171.3	
No	WAAY-TV	D17	DT	CP	HUNTSVILLE, AL	BLANK0000127697	171.3	
No	WKMU	D17	DT	LIC	MURRAY, KY	BLANK0000087481	111.9	
No	WKOH	D17	DT	LIC	OWENSBORO, KY	BLANK0000087401	223.0	
No	WEPH	D17	DT	LIC	TUPELO, MS	BLANK0000062855	260.1	
No	WRTN-LD	D17	LD	CP	ALEXANDRIA, TN	BLANK0000054584	99.8	
No	W17EI-D	D17	LD	CP	JACKSON, TN	BLANK0000071918	87.7	
No	W18ET-D	D18	LD	LIC	BIRMINGHAM, AL	BLANK0000136285	282.6	
Yes	WZDX	D18	DT	LIC	HUNTSVILLE, AL	BLANK0000108705	171.3	NOTE 1
No	WBMM	D18	DT	LIC	TUSKEGEE, AL	BLANK0000081490	456.9	
No	KVTJ-DT	D18	DT	LIC	JONESBORO, AR	BLANK0000064048	247.7	
No	DKTWN-LD	D18	LD	APP	LITTLE ROCK, AR	BLDTL20070521AAM	393.3	
No	WUVG-DT	D18	DT	LIC	ATHENS, GA	BLANK0000081094	390.7	
No	WSEC	D18	DT	LIC	JACKSONVILLE, IL	BLANK0000150703	458.4	
No	WZDS-LD	D18	LD	CP	EVANSVILLE, IN	BLANK0000074344	232.0	
No	WAWV-TV	D18	DT	LIC	TERRE HAUTE, IN	BLANK0000087258	375.3	
No	WKYU-TV	D18	DT	LIC	BOWLING GREEN, KY	BLEDT20040803AAG	179.2	
No	WMYO-CD	D18	DC	LIC	LOUISVILLE, KY	BLANK0000087049	326.9	
No	WQWQ-LD	D18-	LD	LIC	PADUCAH, KY	BLANK0000150501	148.0	
No	KDKZ-LD	D18	LD	LIC	FARMINGTON, MO	BLANK0000029554	325.3	
No	W17DV-D	D18	LD	CP	STARKVILLE, MS	BLANK0000071826	284.6	
No	WSTR-TV	D18	DT	LIC	CINCINNATI, OH	BLANK0000157764	468.3	
No	W18DS-D	D18	LD	LIC	CHATTANOOGA, TN	BLDTL20120320ABS	242.7	
No	WPXK-TV	D18	DT	LIC	JELLICO, TN	BLANK0000081463	347.4	
No	DWJFB-LP	D18z	LD	APP	LEBANON, TN	BLANK0000005264	99.8	NOTE 2
No	WHNT-TV	D19	DT	CP	HUNTSVILLE, AL	BLANK0000127591	171.2	
No	WHNT-TV	D19	DT	LIC	HUNTSVILLE, AL	BLCDT20111118COZ	171.2	
No	WCZU-LD	D19	LD	LIC	BOWLING GREEN, KY	BLANK0000124983	193.2	
No	WPSD-TV	D19	DT	LIC	PADUCAH, KY	BLANK0000116960	180.0	
No	WPED-LD	D19	LD	LIC	Memphis, TN	BLANK0000081521	211.6	
No	WLLC-LD	D19	LD	LIC	NASHVILLE, TN	BLANK0000152055	96.8	
No	WNPX-LP	N20-	TX	LIC	NASHVILLE, TN	BLTTL20021119ABM	99.8	
No	WNTU-LP	N26-	TX	LIC	NASHVILLE, TN	BLTTL20001018ABZ	96.8	

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

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    Channel: D18
       Mask: Full Service
   Latitude:  35 52 52.53 N (NAD83)
  Longitude:  87 47 52.29 W
Height AMSL: 151.7 m
       HAAT: 0.0 m
   Peak ERP: 2.50 kW
    Antenna: KAT-CA7YAGI/2 70.0 deg
Elev Pattrn: Generic

49.1 dBu contour:
Azimuth      ERP       HAAT   Distance
  0.0 deg  0.289 kW    -6.2 m   13.6 km
 45.0       1.58      -10.7     20.9
 90.0       1.88      -17.5     21.7
135.0      0.243      -35.5     13.0
180.0      0.289      -13.3     13.6
225.0       1.58      -18.6     20.9
270.0       1.88       -1.3     21.7
315.0      0.243       20.3     13.0

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m   Computed HAAT: -10 m

Distance to Canadian border: 780.4 km

Distance to Mexican border: 1401.8 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 127.8 degrees   Distance: 359.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 292.4 degrees   Distance: 1594.3 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 BLANK0000108705 LIC

---- Below is IX received by proposal W18EW APP ----
**MX with BLANK0000005264 APP scenario 1, 6.35% interference received

*NOTE 1
APPLICANT ACCEPTS ALL INCOMING INTEFERENCE FROM FULL OR SECONDARY
FACILITIES, AND ALL LICENSED OR PENDING APPLICATIONS.

*NOTE 2
DWJFB-LP  D18z LD  APP LEBANON, TN BLANK0000005264
IS A DELETED FACILITY - AND THE DATABASE RECORD SHOULD BE MARKED IN-ACTIVE
THE LICENSEE/APPLICANT HAS TURNED IN ITS AUTHORIZATION AS A MATTER OF RECORD
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