

FIGURE 3 - FCC TVSTUDY SUMMARY REPORT W18EW MOD OF LICENSE

Proposal: W18EW-D D18 LD APP JACKSON, TN  
 File number: W18EW AMERICAN TWR  
 Facility ID: 185273  
 Station data: User record  
 Record ID: 589  
 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	WAAY-TV	D17	DT	LIC	HUNTSVILLE, AL	BLANK0000163425	190.2 km
No	K17LV-D	D17	LD	CP	PARAGOULD, AR	BLANK0000178193	229.0
No	K17LV-D	D17	LD	LIC	PARAGOULD, AR	BLANK0000179143	229.0
No	WKMU	D17	DT	LIC	MURRAY, KY	BLANK0000087481	103.0
No	WKOH	D17	DT	LIC	OWENSBORO, KY	BLANK0000087401	237.8
No	WEPH	D17	DT	LIC	TUPELO, MS	BLANK0000062855	240.4
No	WRTN-LD	D17	LD	CP	ALEXANDRIA, TN	BLANK0000054584	132.2
No	W17EI-D	D17	LD	LIC	JACKSON, TN	BLANK0000164056	65.5
No	W18ET-D	D18	LD	LIC	BIRMINGHAM, AL	BLANK0000136285	288.0
Yes	WZDX	D18	DT	LIC	HUNTSVILLE, AL	BLANK0000108705	190.2
No	WBMM	D18	DT	LIC	TUSKEGEE, AL	BLANK0000081490	464.0
No	KTVV-LD	D18	LD	LIC	HOT SPRINGS, AR	BLANK0000062885	409.5
No	KVTJ-DT	D18	DT	LIC	JONESBORO, AR	BLANK0000064048	214.7
No	DKTWN-LD	D18	LD	APP	LITTLE ROCK, AR	BLDTL20070521AAM	360.2
No	WUVG-DT	D18	DT	LIC	ATHENS, GA	BLANK0000081094	413.9
No	WSEC	D18	DT	LIC	JACKSONVILLE, IL	BLANK0000150703	452.2
No	WZDS-LD	D18	LD	LIC	EVANSVILLE, IN	BLANK0000176762	236.5
No	WAWV-TV	D18	DT	LIC	TERRE HAUTE, IN	BLANK0000087258	386.6
No	WKYU-TV	D18	DT	LIC	BOWLING GREEN, KY	BLEDT20040803AAG	207.1
No	WMYO-CD	D18	DC	LIC	LOUISVILLE, KY	BLANK0000161021	350.6
No	WQWQ-LD	D18-	LD	LIC	PADUCAH, KY	BLANK0000150501	142.2
No	WQWQ-LD	D18-	LD	CP	PADUCAH, KY	BLANK0000159945	173.1
No	KDKZ-LD	D18	LD	LIC	FARMINGTON, MO	BLANK0000029554	306.9
No	W17DV-D	D18	LD	CP	STARKVILLE, MS	BLANK0000071826	269.2
No	W18DS-D	D18	LD	LIC	CHATTANOOGA, TN	BLDTL20120320ABS	272.4
No	WPXK-TV	D18	DT	LIC	JELICO, TN	BLANK0000081463	380.2
No	DWJFB-LP	D18z	LD	APP	LEBANON, TN	BLANK0000005264	132.2
No	WHNT-TV	D19	DT	CP	HUNTSVILLE, AL	BLANK0000127591	190.1
No	WHNT-TV	D19	DT	LIC	HUNTSVILLE, AL	BLCDT20111118COZ	190.1
No	WCZU-LD	D19	LD	LIC	BOWLING GREEN, KY	BLANK0000124983	221.1
No	WPSD-TV	D19	DT	LIC	PADUCAH, KY	BLANK0000116960	169.5
No	WPED-LD	D19	LD	LIC	Memphis, TN	BLANK0000081521	179.9
No	WLLC-LD	D19	LD	LIC	NASHVILLE, TN	BLANK0000152055	129.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D18  
 Mask: Full Service  
 Latitude: 35 49 5.40 N (NAD83)  
 Longitude: 88 9 26.60 W  
 Height AMSL: 251.4 m  
 HAAT: 0.0 m  
 Peak ERP: 2.00 kW  
 Antenna: SCA-1469B 0.0 deg  
 Elev Pattn: Generic

49.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.000 kW	112.5 m	4.3 km
45.0	1.03	86.5	29.7

90.0	1.32	89.6	31.4
135.0	0.000	116.8	4.3
180.0	0.000	116.0	4.3
225.0	0.000	98.0	4.0
270.0	0.000	92.8	3.9
315.0	0.000	84.5	3.7

Database HAAT does not agree with computed HAAT  
Database HAAT: 0 m    Computed HAAT: 100 m

Distance to Canadian border: 803.1 km

Distance to Mexican border: 1375.6 km

Conditions at FCC monitoring station: Powder Springs GA  
Bearing: 123.8 degrees    Distance: 381.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 292.9 degrees    Distance: 1567.1 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%

Proposal causes no interference to BLANK0000108705 LIC

---- Below is IX received by proposal W18EW AMERICAN TWR ----

Proposal receives 0.77% interference from scenario 1  
No IX check failures found.