

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: Adel17dlkwincEltiat0fAl, Model: Longley-Rice
Start: 2022.05.17 08:54:26

Study created: 2022.05.17 08:54:26

Study build station data: LMS TV 2022-05-18

Proposal: W17ES-D D17 LD CP ADEL, GA
Facility ID: 186168
Station data: User record
Record ID: 2091
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	WCJB-TV	D16	DT	LIC	GAINESVILLE, FL	BLCDT20071119AJB	201.9 km
No	WJHG-TV	D16	DT	LIC	PANAMA CITY, FL	BLANK0000068516	209.7
No	DDW38EM-D	D16	LD	APP	ALBANY, GA	BLANK0000052733	103.3
No	WRDP-LD	D16	LD	CP	COLUMBUS, GA	BLANK0000185006	186.4
No	W16EK-D	D16	LD	CP	LENEX, GA	BLANK0000155449	21.6
No	W16EK-D	D16	LD	APP	LENEX, GA	BLANK0000190749	39.8
No	WDMA-CD	D16	DC	LIC	MACON, GA	BLANK0000074865	191.1
No	WSAV-TV	D16	DT	LIC	SAVANNAH, GA	BLANK0000055021	223.3
No	WUOA-LD	D17	LD	LIC	BIRMINGHAM, AL	BLANK0000011374	413.2
No	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	200.8
No	WPXB-LD	D17	LD	LIC	DAYTONA BEACH, FL	BLANK0000157385	306.4
No	WJVF-LD	D17	LD	LIC	Jacksonville, FL	BLANK0000129911	167.1
No	WJVF-LD	D17	LD	CP	Jacksonville, FL	BLANK0000157569	199.3
Yes	WFXU	D17	DT	LIC	LIVE OAK, FL	BLANK0000112143	74.8
No	W17EL-D	D17	LD	CP	OCALA, FL	BNPDTL20090825AMY	222.6
No	W17EM-D	D17	LD	CP	PANAMA CITY, FL	BNPDTL20090825BWY	209.7
No	W17EM-D	D17	LD	APP	PANAMA CITY, FL	BLANK0000116864	209.7
No	WEAR-TV	D17	DT	LIC	PENSACOLA, FL	BLANK0000121008	409.6
No	WFTS-TV	D17	DT	LIC	TAMPA, FL	BLANK0000125994	382.3
No	WEWA-LD	D17	LD	LIC	WEWAHITCHKA, FL	BLANK0000190157	207.2
No	WSB-TV	D17	LD	CP	ATLANTA, GA	BLANK0000137672	312.6

No	WJEA-LD	D17	LD	LIC	AUGUSTA, GA	BLANK0000179280	274.2
No	WJEA-LD	D17	LD	CP	AUGUSTA, GA	BLANK0000189899	291.6
No	WKSJ-LD	D17	LD	CP	SUMMERVILLE/TRION, GA	BLANK0000074683	410.7
No	WTAT-TV	D17	DT	LIC	CHARLESTON, SC	BLANK0000184941	402.0
No	WHNS	D17	DT	LIC	GREENVILLE, SC	BLANK0000083635	454.4
No	WHNS	D17	DT	LIC	GREENVILLE, SC	BLANK0000190316	454.4
No	WBMM	D18	DT	LIC	TUSKEGEE, AL	BLANK0000081490	262.6
No	WJXT	D18	DT	LIC	JACKSONVILLE, FL	BLANK0000097950	200.5
No	WPGA-LD	D18-	LD	LIC	MACON, GA	BLANK0000163851	180.0
No	WUET-LD	D18	LD	LIC	SAVANNAH, GA	BLANK0000106517	223.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D17
 Mask: Full Service
 Latitude: 31 8 15.70 N (NAD83)
 Longitude: 83 23 40.60 W
 Height AMSL: 87.3 m
 HAAT: 0.0 m
 Peak ERP: 1.00 kW
 Antenna: ELTI-ELTI UHF Panel (ID 1008435) 0.0 deg
 Elev Pattn: Generic

49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.00 kW	13.6 m	18.9 km
45.0	0.202	18.8	12.5
90.0	0.000	21.5	3.2
135.0	0.008	24.3	5.7
180.0	0.002	21.3	4.3
225.0	0.005	24.2	5.2
270.0	0.000	16.1	3.3
315.0	0.214	13.2	12.7

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 19 m

Distance to Canadian border: 1173.1 km

Distance to Mexican border: 1438.7 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 338.0 degrees Distance: 327.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 303.0 degrees Distance: 2202.2 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: 0.10 km

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

Maximum new IX to LPTV: 2.00%

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Interference to BLANK0000112143 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFXU	D17	DT	LIC	LIVE OAK, FL	BLANK0000112143	
Undesireds:	W17ES-D	D17	LD	CP	ADEL, GA		74.8 km
	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	274.6
	WFTS-TV	D17	DT	LIC	TAMPA, FL	BLANK0000125994	309.7

	Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New
IX								
	8742.3	217,835	8741.3	217,835	8737.3	217,824	8737.3	217,824
0.00								0.00

Undesired			Total IX	Unique IX, before	Unique IX, after
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W17ES-D D17 LD CP	1.0	0		0.0	0
WGBP-TV D17 DD LIC	3.1	11	3.1	11	2.0 11
WFTS-TV D17 DT LIC	1.0	0	1.0	0	1.0 0

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Interference to proposal scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W17ES-D	D17	LD	CP	ADEL, GA		
Undesireds:	W16EK-D	D16	LD	CP	LENOX, GA	BLANK0000155449	21.6 km
	WJVF-LD	D17	LD	LIC	Jacksonville, FL	BLANK0000129911	167.1
	WFXU	D17	DT	LIC	LIVE OAK, FL	BLANK0000112143	74.8
	W17EM-D	D17	LD	CP	PANAMA CITY, FL	BNPDTL20090825BW	209.7
	WJEA-LD	D17	LD	LIC	AUGUSTA, GA	BLANK0000179280	274.2

Service area	Terrain-limited	IX-free	Percent IX
309.3 11,311	309.3 11,311	307.3 11,300	0.66 0.10

Undesired	Total IX	Unique IX	Prcnt Unique IX
WFXU D17 DT LIC	2.0 11	2.0 11	0.66 0.10