

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: For17d15kwTUA0IncTT, Model: Longley-Rice

Start: 2021.08.06 09:25:23

Study created: 2021.08.06 09:25:23

Study build station data: LMS TV 2021-08-06

Proposal: W17EQ-D D17 LD APP Forsyth, GA

Facility ID: 186341

Station data: User record

Record ID: 299

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	W16DV-D	D16	LD	LIC	Alexander City, AL	BLANK0000071688	183.1 km
No	W16DV-D	D16	LD	CP	Alexander City, AL	BLANK0000071736	142.7
No	WALE-LD	D16	LD	LIC	MONTGOMERY, AL	BLANK00000152783	224.5
No	DDW38EM-D	D16	LD	APP	ALBANY, GA	BLANK00000052733	144.0
No	W16EE-D	D16	LD	CP	AUGUSTA, GA	BLANK0000071936	176.3
No	W49DT-D	D16	LD	APP	AUGUSTA, GA	BLANK00000155482	172.7
No	WRDP-LD	D16	LD	CP	COLUMBUS, GA	BLANK0000074337	98.6
No	DDW26DS-D	D16	LD	APP	LA GRANGE, GA	BLANK00000053055	108.4
No	W47EC-D	D16	LD	APP	LENOX, GA	BLANK00000155449	180.7
Yes	WDMA-CD	D16	DC	LIC	MACON, GA	BLANK0000074865	29.4
No	WPXA-TV	D16	DT	LIC	ROME, GA	BLANK0000081827	170.1
No	WSAV-TV	D16	DT	LIC	SAVANNAH, GA	BLANK00000055021	267.9
No	WUOA-LD	D17	LD	LIC	BIRMINGHAM, AL	BLANK00000011374	271.1
No	WAAY-TV	D17	DT	LIC	HUNTSVILLE, AL	BLANK0000071637	312.7
No	WAAY-TV	D17	DT	CP	HUNTSVILLE, AL	BLANK00000127697	312.7
Yes	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK00000129713	85.4
No	WJMY-CD	D17	DC	LIC	TUSCALOOSA, AL	BLANK00000086812	328.9
No	WJVF-LD	D17	LD	LIC	Jacksonville, FL	BLANK00000129911	329.1

No	WJVF-LD	D17	LD	CP	Jacksonville, FL	BLANK0000131804	369.6
No	WFXU	D17	DT	LIC	LIVE OAK, FL	BLANK0000112143	275.4
No	W17EM-D	D17	LD	CP	PANAMA CITY, FL	BNPDTL20090825BW	311.8
No	W17EM-D	D17	LD	APP	PANAMA CITY, FL	BLANK0000116864	311.8
No	WEAR-TV	D17	DT	LIC	PENSACOLA, FL	BLANK0000121008	428.7
No	WEWA-LD	D17	LD	LIC	WEWAHITCHKA, FL	BLANK0000081438	328.8
No	WSB-TV	D17	LD	CP	ATLANTA, GA	BLANK0000137672	117.4
No	WJEA-LD	D17	LD	CP	AUGUSTA, GA	BLANK0000072016	175.5
No	W17ER-D	D17	LD	CP	CORDELE, GA	BLANK0000151053	106.9
No	W17DW-D	D17	LD	CP	SOPERTON, GA	BNPDTL20100510AHD	153.0
No	WKSJ-LD	D17	LD	CP	SUMMERVILLE/TRION, GA	BLANK0000074683	213.8
No	WCEE-LD	D17	LD	CP	CHARLOTTE, NC	BLANK0000054738	401.3
No	W17DS-D	D17	LD	CP	SYLVA, ETC, NC	BDCCDTT20120615ADA	297.3
No	WTAT-TV	D17	DT	LIC	CHARLESTON, SC	BLANK0000118551	399.9
No	WHNS	D17	DT	LIC	GREENVILLE, SC	BLANK0000083635	281.7
No	WDTT-LD	D17	LD	LIC	KNOXVILLE, TN	BLANK0000136292	345.5
No	WBMM	D18	DT	LIC	TUSKEGEE, AL	BLANK0000081490	205.4
No	WUEE-LD	D18	LD	CP	ALBANY, GA	BLANK0000013290	160.9
Yes	WUVG-DT	D18	DT	LIC	ATHENS, GA	BLANK0000081094	107.5
No	WIEF-LD	D18	LD	LIC	AUGUSTA, GA	BLANK0000096704	208.0
No	W18ED-D	D18	LD	CP	CHULA, GA	BNPDTL20100510ABF	154.7
Yes	WPGA-LD	D18-	LD	LIC	MACON, GA	BLANK0000151982	42.4
No	WANX-LP	N19+	TX	LIC	COLUMBUS, GA	BLTTL20070813AAT	107.5

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: Stringent
Latitude: 32 53 15.00 N (NAD83)
Longitude: 83 58 51.70 W
Height AMSL: 183.0 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: DIE-TUA (ID 120649) 0.0 deg

Elev Pattn: Generic

49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	2.7 m	31.3 km
45.0	2.86	26.2	23.8
90.0	0.015	35.9	7.2
135.0	0.046	50.3	11.3
180.0	0.056	24.4	9.2
225.0	0.031	6.3	7.9
270.0	0.015	-3.8	6.7
315.0	2.86	-22.4	23.8

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 15 m

Distance to Canadian border: 983.6 km

Distance to Mexican border: 1468.0 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 327.7 degrees Distance: 128.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 299.1 degrees Distance: 2054.6 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%

Interference to BLANK0000074865 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WDMA-CD	D16	DC	LIC	MACON, GA	BLANK0000074865	
Undesireds:	W17EQ-D	D17	LD	APP	Forsyth, GA		29.4 km
	WJHG-TV	D16	DT	LIC	PANAMA CITY, FL	BLANK0000068516	321.0
	WPXA-TV	D16	DT	LIC	ROME, GA	BLANK0000081827	187.0
	WSAV-TV	D16	DT	LIC	SAVANNAH, GA	BLANK0000055021	239.0
	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	109.7
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	6720.5	429,886	6646.6	423,192	6454.4	418,771	6448.4 418,654 0.09 0.03
Undesired				Total IX	Unique IX, before	Unique IX, after	
W17EQ-D D17 LD APP		6.0		117		6.0 117	
WJHG-TV D16 DT LIC		1.0		0	0.0 0	0.0 0	
WPXA-TV D16 DT LIC		172.2		3,929	144.2 2,750	144.2 2,750	
WSAV-TV D16 DT LIC		44.0		1,516	19.0 470	19.0 470	
WGBP-TV D17 DD LIC		6.0		155	1.0 22	1.0 22	

Interference to BLANK0000129713 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	
Undesireds:	W17EQ-D	D17	LD	APP	Forsyth, GA		85.4 km
	WDMA-CD	D16	DC	LIC	MACON, GA	BLANK0000074865	109.7
	WAAY-TV	D17	DT	LIC	HUNTSVILLE, AL	BLANK0000071637	296.1
	WJMY-CD	D17	DC	LIC	TUSCALOOSA, AL	BLANK0000086812	265.1
	WEAR-TV	D17	DT	LIC	PENSACOLA, FL	BLANK0000121008	343.9
	WHNS	D17	DT	LIC	GREENVILLE, SC	BLANK0000083635	354.3
	WBMM	D18	DT	LIC	TUSKEGEE, AL	BLANK0000081490	120.3
	WUVG-DT	D18	DT	LIC	ATHENS, GA	BLANK0000081094	149.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
35996.5	1,195,691	35924.3	1,195,030	35594.0	1,190,632	35511.1	1,189,725	0.23	0.08

Undesired		Total IX		Unique IX, before		Unique IX, after	
W17EQ-D D17 LD APP	82.9	907		82.9	907		
WDMA-CD D16 DC LIC	7.0	1,121		5.0	947		
WAAY-TV D17 DT LIC	5.0	79		4.0	52		
WJMY-CD D17 DC LIC	1.0	6		0.0	0		
WEAR-TV D17 DT LIC	91.8	850		62.7	379		
WHNS D17 DT LIC	3.0	182		1.0	8		
WBMM D18 DT LIC	253.6	2,641		225.5	2,197		
WUVG-DT D18 DT LIC	1.0	170		1.0	170		

Interference to BLANK0000129713 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	
Undesireds:	W17EQ-D	D17	LD	APP	Forsyth, GA		85.4 km
	WDMA-CD	D16	DC	LIC	MACON, GA	BLANK0000074865	109.7
	WAAY-TV	D17	DT	CP	HUNTSVILLE, AL	BLANK0000127697	296.1
	WJMY-CD	D17	DC	LIC	TUSCALOOSA, AL	BLANK0000086812	265.1
	WEAR-TV	D17	DT	LIC	PENSACOLA, FL	BLANK0000121008	343.9
	WHNS	D17	DT	LIC	GREENVILLE, SC	BLANK0000083635	354.3
	WBMM	D18	DT	LIC	TUSKEGEE, AL	BLANK0000081490	120.3
	WUVG-DT	D18	DT	LIC	ATHENS, GA	BLANK0000081094	149.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
35996.5	1,195,691	35924.3	1,195,030	35593.0	1,190,632	35510.1	1,189,725	0.23	0.08

Undesired		Total IX		Unique IX, before		Unique IX, after	
W17EQ-D D17 LD APP	82.9	907		82.9	907		
WDMA-CD D16 DC LIC	7.0	1,121		5.0	947		
WAAY-TV D17 DT CP	6.0	79		5.0	52		
WJMY-CD D17 DC LIC	1.0	6		0.0	0		
WEAR-TV D17 DT LIC	91.8	850		62.7	379		

WHNS D17 DT LIC	3.0	182	1.0	8	1.0	8
WBMM D18 DT LIC	253.6	2,641	225.5	2,197	225.5	2,197
WUVG-DT D18 DT LIC	1.0	170	1.0	170	1.0	170

Interference to BLANK0000081094 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WUVG-DT	D18	DT	LIC	ATHENS, GA	BLANK0000081094	
Undesireds:	W17EQ-D	D17	LD	APP	Forsyth, GA		107.5 km
	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK00000129713	149.8
	WZDX	D18	DT	LIC	HUNTSVILLE, AL	BLANK00000108705	226.4
	WBMM	D18	DT	LIC	TUSKEGEE, AL	BLANK00000081490	244.5
	WCCB	D18	DT	LIC	CHARLOTTE, NC	BLANK00000097908	367.8
	WPXK-TV	D18	DT	LIC	JELLICO, TN	BLANK00000081463	247.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
33726.2 6,029,938	32278.2 5,959,326	31107.5 5,906,040	31094.5 5,905,883	0.04 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
W17EQ-D D17 LD APP 13.0	157	13.0 157	
WGBP-TV D17 DD LIC 742.1	22,337	715.1 20,569	
WZDX D18 DT LIC 293.4	21,301	209.6 11,703	
WBMM D18 DT LIC 46.8	2,134	9.9 184	
WCCB D18 DT LIC 35.9	1,288	30.9 1,165	
WPXK-TV D18 DT LIC 168.3	17,547	108.4 9,571	

Interference to BLANK0000151982 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WPGA-LD	D18-	LD	LIC	MACON, GA	BLANK0000151982	
Undesireds:	W17EQ-D	D17	LD	APP	Forsyth, GA		42.4 km
	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK00000129713	117.2
	WUVG-DT	D18	DT	LIC	ATHENS, GA	BLANK00000081094	138.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
7216.9 428,557	7128.9 426,808	6377.0 411,761	6366.0 411,700	0.17 0.01
Undesired	Total IX	Unique IX, before	Unique IX, after	
W17EQ-D D17 LD APP	11.0 61	11.0 61		
WGBP-TV D17 DD LIC	4.0 20	1.0 7	1.0 7	
WUVG-DT D18 DT LIC	750.9 15,040	747.9 15,027	747.9 15,027	

Interference to proposal scenario 1
17.58% interference received

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: W17EQ-D	D17	LD	APP	Forsyth, GA		
Undesireds: WAAY-TV	D17	DT	LIC	HUNTSVILLE, AL	BLANK0000071637	312.7 km
WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	85.4
WHNS	D17	DT	LIC	GREENVILLE, SC	BLANK0000083635	281.7

Service area	Terrain-limited	IX-free	Percent IX
967.8 24,029	945.9 23,912	760.3 19,709	19.62 17.58
Undesired	Total IX	Unique IX	Prcnt Unique IX
WGBP-TV D17 DD LIC	183.6 4,203	177.6 4,028	18.78 16.85
WHNS D17 DT LIC	8.0 175	2.0 0	0.21 0.00