

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Aug16d5kwCL1469at0F, Model: Longley-Rice

Start: 2021.08.01 10:10:53

Study created: 2021.08.01 10:10:53

Study build station data: LMS TV 2021-07-31

Proposal: W49DT-D D16 LD APP AUGUSTA, GA

Facility ID: 185710

Station data: User record

Record ID: 205

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	WAGC-LD	D15	LD	CP	ATLANTA, GA	BLANK0000054666	195.3 km
Yes	WDDZ-LD	D15	LD	CP	AUGUSTA, GA	BLANK0000036283	19.8
No	WPHJ-LD	D15+	LD	LIC	BAXLEY, GA	BLANK0000125982	188.6
No	WPHJ-LD	D15+	LD	CP	BAXLEY, GA	BLANK0000143401	180.1
No	WRBL	D15	DT	LIC	COLUMBUS, GA	BLCDT20061013ABV	268.6
No	WGGD-LD	D15	LD	LIC	GAINESVILLE, GA	BLDTL20121213AIK	170.0
No	W15EB-D	D15	DC	CP	CHARLOTTE, NC	BLANK0000127538	229.6
No	W15EB-D	D15	DC	LIC	CHARLOTTE, NC	BLANK0000083736	229.6
No	WDKT-LD	D15	LD	LIC	HENDERSONVILLE, NC	BLANK0000089000	162.9
No	WLTX	D15	DT	LIC	COLUMBIA, SC	BLANK0000082085	154.7
No	W16DV-D	D16	LD	LIC	Alexander City, AL	BLANK0000071688	347.0
No	W16DV-D	D16	LD	CP	Alexander City, AL	BLANK0000071736	312.1
No	WALE-LD	D16	LD	LIC	MONTGOMERY, AL	BLANK0000152783	396.3
No	WCJB-TV	D16	DT	LIC	GAINESVILLE, FL	BLCDT20071119AJB	438.5
No	WJHG-TV	D16	DT	LIC	PANAMA CITY, FL	BLANK0000068516	455.8
No	DDW38EM-D	D16	LD	APP	ALBANY, GA	BLANK0000052733	282.2
Yes	W16EE-D	D16	LD	CP	AUGUSTA, GA	BLANK0000071936	20.1
No	WRDP-LD	D16	LD	CP	COLUMBUS, GA	BLANK0000074337	268.6

No	DDW26DS-D	D16	LD	APP	LA GRANGE, GA	BLANK0000053055	272.0
No	WDMA-CD	D16	DC	LIC	MACON, GA	BLANK0000074865	148.9
No	WPXA-TV	D16	DT	LIC	ROME, GA	BLANK0000081827	238.6
No	WSAV-TV	D16	DT	LIC	SAVANNAH, GA	BLANK0000055021	182.0
No	WCEE-LD	D16	LD	LIC	CHARLOTTE, NC	BLANK0000005163	244.5
No	WPXU-TV	D16	DT	LIC	JACKSONVILLE, NC	BLANK0000129487	454.4
No	WDRH-LD	D16-	LD	CP	Raleigh, NC	BLANK0000130099	416.4
No	W16DZ-D	D16	LD	LIC	TRYON, NC	BLANK0000121648	198.5
No	WXII-TV	D16	DT	LIC	WINSTON-SALEM, NC	BLANK0000081027	365.0
No	WJPM-TV	D16	DT	LIC	FLORENCE, SC	BLANK0000138174	249.1
No	WWYA-LD	D16	LD	LIC	HONEA PATH, SC	BLANK0000093423	162.9
No	WAPK-CD	D16	DC	LIC	BRISTOL VA/KINGSFORT, TN	BLANK0000070481	328.2
No	WEZK-LD	D16z	LD	LIC	KNOXVILLE, TN	BLANK0000100286	319.7
No	WHTN	D16	DT	LIC	MURFREESBORO, TN	BLANK0000100650	477.7
No	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	257.7
No	WSB-TV	D17	LD	CP	ATLANTA, GA	BLANK0000137672	149.0
Yes	WJEA-LD	D17	LD	CP	AUGUSTA, GA	BLANK0000072016	20.5
No	W17EQ-D	D17	LD	LIC	BYROMVILLE, GA	BLANK0000154600	185.0
No	W17EQ-D	D17	LD	APP	BYROMVILLE, GA	BLANK0000154959	185.0
No	W17DW-D	D17	LD	CP	SOPERTON, GA	BNPDTL20100510AHD	118.2
No	WTAT-TV	D17	DT	LIC	CHARLESTON, SC	BLANK0000118551	246.4
No	WHNS	D17	DT	LIC	GREENVILLE, SC	BLANK0000083635	193.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D16
 Mask: Full Service
 Latitude: 33 28 49.00 N (NAD83)
 Longitude: 82 15 55.00 W
 Height AMSL: 146.9 m (Adjusted based on actual ground elevation calculation)
 HAAT: 0.0 m
 Peak ERP: 5.00 kW
 Antenna: KAT-CL-1469B (ID 1007708) 0.0 deg
 Elev Pattn: Generic

48.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	5.00 kW	44.6 m	30.5 km
45.0	0.250	59.5	19.1
90.0	0.000	23.7	2.9
135.0	0.000	33.1	3.0
180.0	0.000	14.0	2.9
225.0	0.000	9.8	2.9
270.0	0.000	9.1	2.9
315.0	0.250	34.0	14.0

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 28 m

Distance to Canadian border: 911.1 km

Distance to Mexican border: 1640.0 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 281.3 degrees Distance: 231.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 296.5 degrees Distance: 2165.0 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%

Interference to BLANK0000036283 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WDDZ-LD	D15	LD	CP	AUGUSTA, GA	BLANK0000036283	
Undesireds:	W49DT-D	D16	LD	APP	AUGUSTA, GA		19.8 km
	WDMN-LD	D14	LD	CP	AUGUSTA, GA	BMPDTL20140528ACX	2.3
	WPHJ-LD	D15+	LD	LIC	BAXLEY, GA	BLANK00000125982	168.9
	WRBL	D15	DT	LIC	COLUMBUS, GA	BLCDT20061013ABV	266.7
	W15EB-D	D15	DC	CP	CHARLOTTE, NC	BLANK00000127538	242.0
	W15CW-D	D15	LD	LIC	FRANKLIN, NC	BLDTT20111227ABE	243.0
	WLTX	D15	DT	LIC	COLUMBIA, SC	BLANK00000082085	158.2
	W16EE-D	D16	LD	CP	AUGUSTA, GA	BLANK00000071936	39.9
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	1105.0	289,022	1060.4	260,515	986.9	226,588	0.70 0.12
Undesired				Total IX	Unique IX, before	Unique IX, after	
W49DT-D D16 LD APP		10.9		282		6.9	278
WDMN-LD D14 LD CP		3.0		190	3.0	3.0	190
WRBL D15 DT LIC		8.9		9,652	3.0	3.0	2,966
WLTX D15 DT LIC		60.6		30,189	46.7	45.7	22,507
W16EE-D D16 LD CP		14.9		1,578	6.9	5.0	582

Interference to BLANK0000071936 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W16EE-D	D16	LD	CP	AUGUSTA, GA	BLANK0000071936	
Undesireds:	W49DT-D	D16	LD	APP	AUGUSTA, GA		20.1 km
	WPXA-TV	D16	DT	LIC	ROME, GA	BLANK00000081827	226.7
	WSAV-TV	D16	DT	LIC	SAVANNAH, GA	BLANK00000055021	201.5
	WWYA-LD	D16	LD	LIC	HONEA PATH, SC	BLANK00000093423	143.1
	WJEA-LD	D17	LD	CP	AUGUSTA, GA	BLANK00000072016	40.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
6188.2	435,120	6090.0	418,438	5763.6	375,051	5518.7	372,947	4.25 0.56

Undesired		Total IX		Unique IX, before		Unique IX, after
W49DT-D D16 LD APP	284.4	2,240			244.9	2,104
WPXA-TV D16 DT LIC	86.3	17,575	11.9	1,044	11.9	1,044
WSAV-TV D16 DT LIC	206.2	36,281	101.0	17,200	82.3	17,093
WWYA-LD D16 LD LIC	34.6	52	16.8	30	6.9	6
WJEA-LD D17 LD CP	126.3	14,804	83.5	4,485	83.5	4,485

Interference to BLANK0000072016 CP scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WJEA-LD	D17	LD	CP	AUGUSTA, GA	BLANK0000072016	
Undesireds: W49DT-D	D16	LD	APP	AUGUSTA, GA		20.5 km
W16EE-D	D16	LD	CP	AUGUSTA, GA	BLANK0000071936	40.4
WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK00000129713	259.5
WJVF-LD	D17	LD	LIC	Jacksonville, FL	BLANK00000129911	303.2
W17EQ-D	D17	LD	LIC	BYROMVILLE, GA	BLANK00000154600	185.4
WTAT-TV	D17	DT	LIC	CHARLESTON, SC	BLANK00000118551	233.7
WHNS	D17	DT	LIC	GREENVILLE, SC	BLANK00000083635	212.8
WIEF-LD	D18	LD	LIC	AUGUSTA, GA	BLANK00000096704	32.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
7082.2	505,904	7018.8	504,991	6621.1	490,886	6620.1	490,883	0.01 0.00

Undesired		Total IX		Unique IX, before		Unique IX, after
W49DT-D D16 LD APP	1.0	3			1.0	3
W16EE-D D16 LD CP	94.1	1,181	26.7	888	26.7	888
WGBP-TV D17 DD LIC	31.8	401	5.0	37	5.0	37
WTAT-TV D17 DT LIC	41.7	1,308	9.9	161	9.9	161
WHNS D17 DT LIC	278.6	5,385	182.5	4,535	182.5	4,535
WIEF-LD D18 LD LIC	78.4	7,931	64.5	6,855	64.5	6,855

Interference to proposal scenario 1

68.90% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W49DT-D	D16	LD	APP	AUGUSTA, GA		
Undesireds:	W16EE-D	D16	LD	CP	AUGUSTA, GA	BLANK00000071936	20.1 km
	WSAV-TV	D16	DT	LIC	SAVANNAH, GA	BLANK00000055021	182.0
	WWYA-LD	D16	LD	LIC	HONEA PATH, SC	BLANK00000093423	162.9

Service area	Terrain-limited	IX-free	Percent IX
628.1 26,257	610.2 26,152	150.6 8,132	75.32 68.90

Undesired	Total IX	Unique IX	Prcnt Unique IX
W16EE-D D16 LD CP 457.6 18,020 377.5	17,163	61.85 65.63	
WSAV-TV D16 DT LIC 82.2 857 2.0	0	0.32 0.00	
WWYA-LD D16 LD LIC 1.0 0 0.0	0	0.00 0.00	