

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: 01905_10192022_WAGA_70689, Model: Longley-Rice

Start: 2022.10.19 17:09:18

Study created: 2022.10.19 17:09:17

Study build station data: LMS TV 2022-09-20

Proposal: WAGA-TV D27 DX APP ATLANTA, GA

File number: 01905_10192022_WAGA_70689

Facility ID: 70689

Station data: User record

Record ID: 1741

Country: U.S.

Zone: II

Search options:

Non-U.S. records included

Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WTJP-TV	D26	DT	LIC	GADSDEN, AL	BLCDT20110304ACB	194.8 km
No	WYBU-CD	D26	DC	LIC	COLUMBUS, GA	BLANK0000117350	163.3
Yes	WGXA	D26	DT	LIC	MACON, GA	BLANK0000074961	138.1
No	WNEH	D26	DT	LIC	GREENWOOD, SC	BLANK0000153952	209.5
No	WATE-TV	D26	DT	LIC	KNOXVILLE, TN	BMLCDT20041203AEG	246.8
No	WFNA	D27	DT	LIC	GULF SHORES, AL	BLANK0000120977	477.3
Yes	WAIQ	D27	DT	LIC	MONTGOMERY, AL	BLEDT20060706ACK	241.2
Yes	WTXL-TV	D27	DT	LIC	TALLAHASSEE, FL	BLCDT20090217ABY	350.6
Yes	WRDW-TV	D27	DT	CP	AUGUSTA, GA	BLANK0000150357	235.2
No	WTVQ-DT	D27	DT	LIC	LEXINGTON, KY	BLANK0000087240	469.8
No	WCBI-TV	D27	DT	LIC	COLUMBUS, MS	BLANK0000059851	419.3
Yes	WUNW	D27	DD	LIC	CANTON, NC	BLANK0000163367	235.5
No	WGTV-CD	D27	DC	LIC	CHARLOTTE, NC	BLANK0000120552	338.8
No	WPDE-TV	D27	DT	LIC	FLORENCE, SC	BLANK0000120367	465.3
No	WLJT-DT	D27	DT	LIC	LEXINGTON, TN	BLANK0000058637	442.7
Yes	WKRN-TV	D27	DT	LIC	NASHVILLE, TN	BLANK0000115874	336.9
No	WMCN-TV	D28	DT	LIC	MONTGOMERY, AL	BLANK0000107502	232.9
No	WJBF	D28	DT	LIC	AUGUSTA, GA	BLANK0000116201	236.2
Yes	WELF-TV	D28	DT	LIC	DALTON, GA	BLANK0000090766	150.2

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:
WQXI 790 L DAN D ATLANTA, GA BML20061226ABR
WQXI 790 L DAN N ATLANTA, GA BML20061226ABR

Record parameters as studied:

Channel: D27
Latitude: 33 48 26.40 N (NAD83)
Longitude: 84 20 21.50 W
Height AMSL: 615.1 m
HAAT: 329.0 m
Peak ERP: 93.2 kW
Antenna: RFS RD280_HP_FCC_FILE 0.0 deg
Elev Pattn: RFS RD280_VP
Elec Tilt: 0.80

40.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	93.2 kW	315.7 m	80.9 km
45.0	73.2	325.5	80.3
90.0	66.5	317.8	79.0
135.0	80.4	326.9	81.1
180.0	81.7	330.7	81.6
225.0	80.4	315.1	79.9
270.0	66.5	354.5	82.6
315.0	73.2	340.4	81.8

Database HAAT does not agree with computed HAAT
Database HAAT: 329 m Computed HAAT: 328 m

Distance to Canadian border: 886.7 km

Distance to Mexican border: 1490.8 km

**Proposal is within coordination distance of FCC monitoring station
Conditions at FCC monitoring station: Powder Springs GA
Bearing: 279.9 degrees Distance: 36.0 km
ERP: 83.0 kW HAAT: 366.1 m Field strength: 75.7 dBu, 6.1 mV/m

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 296.8 degrees Distance: 1977.2 km

Study cell size: 2.00 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 BLANK0000074961 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGXA	D26	DT	LIC	MACON, GA	BLANK0000074961	
Undesireds:	WAGA-TV	D27	DT	BL	ATLANTA, GA	DTVBL70689	136.9 km
	WAGA-TV	D27	DX	APP	ATLANTA, GA	01905_10192022_WAGA_70	138.1
	WATL	D25	DT	LIC	ATLANTA, GA	BLCDT20020716AAH	138.1
	WTJP-TV	D26	DT	LIC	GADSDEN, AL	BLCDT20110304ACB	293.4
	WYBU-CD	D26	DC	LIC	COLUMBUS, GA	BLANK0000117350	143.6
	WNEH	D26	DT	LIC	GREENWOOD, SC	BLANK0000153952	221.7
	WTGS	D26	DT	LIC	HARDEEVILLE, SC	BLANK0000112289	222.4

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
22750.1 779,955	22678.0 779,087	22276.9 771,144	22320.7 775,006	-0.20 -0.50

Undesired	Total IX	Unique IX, before	Unique IX, after
WAGA-TV D27 DT BL 51.8	4,069	43.8 3,862	
WAGA-TV D27 DX APP 0.0	0		0.0 0
WATL D25 DT LIC 8.0	207	0.0 0	8.0 207
WTJP-TV D26 DT LIC 60.1	1,800	36.0 1,413	36.0 1,413
WYBU-CD D26 DC LIC 60.3	347	40.2 300	40.2 300
WNEH D26 DT LIC 31.9	498	4.0 0	4.0 0
WTGS D26 DT LIC 261.1	2,161	213.1 1,367	213.1 1,367

Interference to BLEDT20060706ACK LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WAIQ	D27	DT	LIC	MONTGOMERY, AL	BLEDT20060706ACK	
Undesireds:	WAGA-TV	D27	DT	BL	ATLANTA, GA	DTVBL70689	240.9 km
	WAGA-TV	D27	DX	APP	ATLANTA, GA	01905_10192022_WAGA_70	241.2
	WTJP-TV	D26	DT	LIC	GADSDEN, AL	BLCDT20110304ACB	159.9
	WYBU-CD	D26	DC	LIC	COLUMBUS, GA	BLANK0000117350	116.4
	WFNA	D27	DT	LIC	GULF SHORES, AL	BLANK0000120977	238.0
	WTXL-TV	D27	DT	LIC	TALLAHASSEE, FL	BLCDT20090217ABY	291.0

WCBI-TV	D27	DT	LIC	COLUMBUS, MS	BLANK0000059851	284.9
WMCF-TV	D28	DT	LIC	MONTGOMERY, AL	BLANK0000107502	9.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
19925.2 611,733	19603.6 609,794	18511.8 598,020	18720.2 601,102	-1.13 -0.52

Undesired	Total IX	Unique IX, before	Unique IX, after
WAGA-TV D27 DT BL	381.5 5,223	220.5 3,699	
WAGA-TV D27 DX APP	32.1 710		12.0 617
WTJP-TV D26 DT LIC	16.0 19	16.0 19	16.0 19
WYBU-CD D26 DC LIC	4.0 0	0.0 0	0.0 0
WFNA D27 DT LIC	662.2 6,221	400.4 4,011	436.6 4,383
WTXL-TV D27 DT LIC	237.8 2,208	56.4 348	72.6 455
WCBI-TV D27 DT LIC	140.8 904	44.2 448	60.2 753
WMCF-TV D28 DT LIC	56.4 587	36.2 539	36.2 539

Interference to BLCDT20090217ABY LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTXL-TV	D27	DT	LIC	TALLAHASSEE, FL	BLCDT20090217ABY	
Undesireds:	WAGA-TV	D27	DT	BL	ATLANTA, GA	DTVBL70689	349.5 km
	WAGA-TV	D27	DX	APP	ATLANTA, GA	01905_10192022_WAGA_70	350.6
	WBIF	D26	DT	LIC	MARIANNA, FL	BLANK0000190006	140.7
	WFNA	D27	DT	LIC	GULF SHORES, AL	BLANK0000120977	369.1
	WAIQ	D27	DT	LIC	MONTGOMERY, AL	BLEDT20060706ACK	291.0
	WYME-CD	D27	DC	LIC	GAINESVILLE, FL	BLANK0000098965	177.0
	WRDW-TV	D27	DT	CP	AUGUSTA, GA	BLANK0000150357	364.7

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
43365.2 1,054,514	43337.2 1,054,322	42687.4 1,048,379	42719.2 1,048,671	-0.07 -0.03

Undesired	Total IX	Unique IX, before	Unique IX, after
WAGA-TV D27 DT BL	75.3 940	31.8 292	
WAGA-TV D27 DX APP	0.0 0		0.0 0
WBIF D26 DT LIC	36.0 388	20.0 119	20.0 119
WFNA D27 DT LIC	67.9 980	8.0 17	8.0 17
WAIQ D27 DT LIC	111.6 1,746	20.0 52	35.8 282
WYME-CD D27 DC LIC	454.6 3,663	454.6 3,663	454.6 3,663
WRDW-TV D27 DT CP	35.7 483	7.9 65	23.8 106

Interference to BLANK0000150357 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WRDW-TV	D27	DT	CP	AUGUSTA, GA	BLANK0000150357	
Undesireds:	WAGA-TV	D27	DT	BL	ATLANTA, GA	DTVBL70689	234.5 km
	WAGA-TV	D27	DX	APP	ATLANTA, GA	01905_10192022_WAGA_70	235.2
	WGXA	D26	DT	LIC	MACON, GA	BLANK0000074961	175.9
	WNEH	D26	DT	LIC	GREENWOOD, SC	BLANK0000153952	111.0
	WTGS	D26	DT	LIC	HARDEEVILLE, SC	BLANK0000112289	158.7
	WTXL-TV	D27	DT	LIC	TALLAHASSEE, FL	BLCDT20090217ABY	364.7
	WUNW	D27	DD	LIC	CANTON, NC	BLANK0000163367	258.9
	WGTB-CD	D27	DC	LIC	CHARLOTTE, NC	BLANK0000120552	226.0
	WPDE-TV	D27	DT	LIC	FLORENCE, SC	BLANK0000120367	255.1
	WJBF	D28	DT	LIC	AUGUSTA, GA	BLANK0000116201	1.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
40262.4 1,584,206	39914.2 1,573,255	36345.3 1,463,787	36965.6 1,470,088	-1.71 -0.43

Undesired	Total IX	Unique IX, before	Unique IX, after
WAGA-TV D27 DT BL 1208.5	10,948	724.0 7,452	
WAGA-TV D27 DX APP 191.9	1,648		103.7 1,151
WGXA D26 DT LIC 20.0	36	0.0 0	12.0 23
WNEH D26 DT LIC 515.1	16,465	95.9 5,510	99.9 5,510
WTGS D26 DT LIC 511.4	27,038	507.4 27,006	507.4 27,006
WTXL-TV D27 DT LIC 88.3	328	16.0 54	60.2 236
WUNW D27 DD LIC 1479.5	29,237	667.9 13,675	884.3 14,829
WGTB-CD D27 DC LIC 115.9	2,285	24.0 201	24.0 201
WPDE-TV D27 DT LIC 757.8	42,703	601.9 38,743	601.9 38,743
WJBF D28 DT LIC 12.0	242	4.0 0	4.0 0

Interference to BLANK0000163367 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WUNW	D27	DD	LIC	CANTON, NC	BLANK0000163367	
Undesireds:	WAGA-TV	D27	DT	BL	ATLANTA, GA	DTVBL70689	236.1 km
	WAGA-TV	D27	DX	APP	ATLANTA, GA	01905_10192022_WAGA_70	235.5
	WNEH	D26	DT	LIC	GREENWOOD, SC	BLANK0000153952	149.1
	WATE-TV	D26	DT	LIC	KNOXVILLE, TN	BMLCDT20041203AEG	105.1
	WRDW-TV	D27	DT	CP	AUGUSTA, GA	BLANK0000150357	258.9
	WTVQ-DT	D27	DT	LIC	LEXINGTON, KY	BLANK0000087240	304.3
	WGTB-CD	D27	DC	LIC	CHARLOTTE, NC	BLANK0000120552	160.3
	WPDE-TV	D27	DT	LIC	FLORENCE, SC	BLANK0000120367	352.1
	WKRN-TV	D27	DT	LIC	NASHVILLE, TN	BLANK0000115874	357.6
	WPXR-TV	D27	DT	LIC	ROANOKE, VA	BLANK0000081460	306.1

WEMT	D28	DT	LIC	GREENEVILLE, TN	BLANK0000072087	121.5			
Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX			
30447.2	1,856,918	20459.1	1,333,273	18767.4	1,242,458	18910.8	1,246,574	-0.76	-0.33
Undesired	Total IX		Unique IX, before		Unique IX, after				
WAGA-TV D27 DT BL	589.8	25,924	223.1	4,793					
WAGA-TV D27 DX APP	207.5	6,284			79.7	677			
WNEH D26 DT LIC	15.8	205	0.0	0	0.0	0			
WATE-TV D26 DT LIC	308.5	30,848	248.4	26,432	248.4	26,432			
WRDW-TV D27 DT CP	718.4	28,379	267.2	6,460	398.4	14,719			
WTVQ-DT D27 DT LIC	160.2	10,783	56.1	2,560	60.1	2,995			
WGTV-CD D27 DC LIC	386.0	19,939	157.1	6,711	165.1	7,667			
WPDE-TV D27 DT LIC	132.5	10,050	0.0	0	0.0	0			
WKRN-TV D27 DT LIC	12.0	238	0.0	0	0.0	0			
WPXR-TV D27 DT LIC	76.3	1,735	32.2	639	28.1	537			
WEMT D28 DT LIC	180.1	14,766	112.0	10,104	112.0	10,104			

Interference to BLANK0000115874 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WKRN-TV	D27	DT	LIC	NASHVILLE, TN	BLANK0000115874	
Undesireds:	WAGA-TV	D27	DT	BL	ATLANTA, GA	DTVBL70689	338.0 km
	WAGA-TV	D27	DX	APP	ATLANTA, GA	01905_10192022_WAGA_70	336.9
	KAIT	D27	DT	LIC	JONESBORO, AR	BLANK0000171337	369.7
	WTVQ-DT	D27	DT	LIC	LEXINGTON, KY	BLANK0000087240	309.0
	WCBI-TV	D27	DT	LIC	COLUMBUS, MS	BLANK0000059851	316.1
	WLJT-DT	D27	DT	LIC	LEXINGTON, TN	BLANK0000058637	164.1

Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX			
37626.3	2,409,767	36484.7	2,388,588	34947.7	2,368,146	34983.9	2,368,611	-0.10	-0.02
Undesired	Total IX		Unique IX, before		Unique IX, after				
WAGA-TV D27 DT BL	64.2	2,052	36.2	465					
WAGA-TV D27 DX APP	0.0	0			0.0	0			
KAIT D27 DT LIC	96.2	991	20.0	51	20.0	51			
WTVQ-DT D27 DT LIC	148.0	3,865	116.0	3,516	120.0	3,516			
WCBI-TV D27 DT LIC	216.7	4,532	72.1	1,414	76.1	1,472			
WLJT-DT D27 DT LIC	1280.6	14,641	1084.1	11,309	1084.1	11,309			

Interference to BLANK0000090766 LIC scenario 1

Desired:	Call WELF-TV	Chan D28	Svc DT	Status LIC	City, State DALTON, GA	File Number BLANK0000090766	Distance		
Undesireds:	WAGA-TV	D27	DT	BL	ATLANTA, GA	DTVBL70689	151.3 km		
	WAGA-TV	D27	DX	APP	ATLANTA, GA	01905_10192022_WAGA_70	150.2		
	WMCF-TV	D28	DT	LIC	MONTGOMERY, AL	BLANK0000107502	278.4		
	WJBF	D28	DT	LIC	AUGUSTA, GA	BLANK0000116201	365.5		
	WLEX-TV	D28	DT	CP	LEXINGTON, KY	BLANK0000157703	368.5		
	WEMT	D28	DT	LIC	GREENEVILLE, TN	BLANK0000072087	349.4		
	WYGA-CD	D29	DC	CP	ATLANTA, GA	BLANK0000127583	154.3		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
29351.0 1,477,691		25715.7 1,387,044		25147.3 1,356,433		25187.2 1,360,233	-0.16 -0.28		
Undesired				Total IX	Unique IX, before	Unique IX, after			
WAGA-TV D27 DT BL				43.9 3,812	39.9 3,800				
WAGA-TV D27 DX APP				8.0 17		0.0 0			
WMCF-TV D28 DT LIC				391.8 19,041	387.8 19,029	383.8 19,024			
WJBF D28 DT LIC				19.9 788	15.9 776	15.9 776			
WLEX-TV D28 DT CP				32.3 436	28.2 322	28.2 322			
WEMT D28 DT LIC				92.6 6,672	88.6 6,558	88.6 6,558			

Interference to BLANK0000090766 LIC scenario 2

Desired:	Call WELF-TV	Chan D28	Svc DT	Status LIC	City, State DALTON, GA	File Number BLANK0000090766	Distance		
Undesireds:	WAGA-TV	D27	DT	BL	ATLANTA, GA	DTVBL70689	151.3 km		
	WAGA-TV	D27	DX	APP	ATLANTA, GA	01905_10192022_WAGA_70	150.2		
	WMCF-TV	D28	DT	LIC	MONTGOMERY, AL	BLANK0000107502	278.4		
	WJBF	D28	DT	LIC	AUGUSTA, GA	BLANK0000116201	365.5		
	WEMT	D28	DT	LIC	GREENEVILLE, TN	BLANK0000072087	349.4		
	WYGA-CD	D29	DC	CP	ATLANTA, GA	BLANK0000127583	154.3		
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX		
29351.0 1,477,691		25715.7 1,387,044		25175.5 1,356,755		25215.4 1,360,555	-0.16 -0.28		
Undesired				Total IX	Unique IX, before	Unique IX, after			
WAGA-TV D27 DT BL				43.9 3,812	39.9 3,800				
WAGA-TV D27 DX APP				8.0 17		0.0 0			
WMCF-TV D28 DT LIC				391.8 19,041	387.8 19,029	383.8 19,024			
WJBF D28 DT LIC				19.9 788	15.9 776	15.9 776			
WEMT D28 DT LIC				92.6 6,672	92.6 6,672	92.6 6,672			

Interference to proposal scenario 1
1.33% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WAGA-TV	D27	DX	APP	ATLANTA, GA	01905_10192022_WAGA_70	
Undesireds:	WGXA	D26	DT	LIC	MACON, GA	BLANK0000074961	138.1 km
	WAIQ	D27	DT	LIC	MONTGOMERY, AL	BLEDT20060706ACK	241.2
	WTXL-TV	D27	DT	LIC	TALLAHASSEE, FL	BLCDT20090217ABY	350.6
	WRDW-TV	D27	DT	CP	AUGUSTA, GA	BLANK0000150357	235.2
	WUNW	D27	DD	LIC	CANTON, NC	BLANK0000163367	235.5
	WKRN-TV	D27	DT	LIC	NASHVILLE, TN	BLANK0000115874	336.9
	WELF-TV	D28	DT	LIC	DALTON, GA	BLANK0000090766	150.2

Service area	Terrain-limited	IX-free	Percent IX
20593.6 5,435,870	20118.2 5,420,140	19109.9 5,348,207	5.01 1.33

Undesired	Total IX	Unique IX	Prcnt Unique IX
WGXA D26 DT LIC 8.0 104 8.0 104 0.04 0.00			
WAIQ D27 DT LIC 244.0 18,452 160.2 11,932 0.80 0.22			
WTXL-TV D27 DT LIC 12.0 271 0.0 0 0.00 0.00			
WRDW-TV D27 DT CP 572.3 32,000 388.4 16,669 1.93 0.31			
WUNW D27 DD LIC 300.1 35,306 164.1 21,713 0.82 0.40			
WKRN-TV D27 DT LIC 83.9 6,889 27.9 545 0.14 0.01			
WELF-TV D28 DT LIC 39.9 1,092 23.9 343 0.12 0.01			