

tvstudy v2.2.2

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

Start: 2017.07.03 08:37:26

Study created: 2017.07.03 08:37:21

Study build station data: LMS TV 2017-06-28 (31)

Proposal: WCIQ D12 DT BL MOUNT CHEAHA, AL

File number: DTVBL711

Facility ID: 711

Station data: User record

Record ID: 1113

Country: U.S.

Zone: II

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
WTZT-CD	D11	DC	APP	ATHENS, AL	BPDVA20130508AIV	154.3 km
WTZT-CD	D11	DC	LIC	ATHENS, AL	BLDVA20120221ABI	171.1
WTVM	D11	DT	LIC	COLUMBUS, GA	BLCDT20131113BGN	160.5
WBQP-CD	D12	DC	LIC	PENSACOLA, FL	BLDVA20120802AAK	361.2
WFXL	D12	DT	LIC	ALBANY, GA	BLCDT20070725AFF	301.1
WRDW-TV	D12	DT	LIC	AUGUSTA, GA	BLCDT20090227ABQ	367.8
WJTV	D12	DT	LIC	JACKSON, MS	BLCDT20111014ABR	450.7
WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	224.7
WRCB	D13	DT	LIC	CHATTANOOGA, TN	BLCDT20110729ACZ	191.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D12

Latitude: 33 29 6.40 N (NAD83)

Longitude: 85 48 31.90 W

Height AMSL: 895.8 m

HAAT: 598.7 m

Peak ERP: 46.0 kW

Antenna: Omnidirectional

36.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	46.0 kW	651.1 m	130.4 km
45.0	46.0	599.2	127.6
90.0	46.0	579.8	126.1
135.0	46.0	579.7	126.1
180.0	46.0	506.0	120.9
225.0	46.0	564.0	124.8
270.0	46.0	643.5	130.1
315.0	46.0	666.2	131.0

ERP exceeds maximum

ERP: 46.0 kW ERP maximum: 31.5 kW

Proposal service area is within baseline plus 1.0%

Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 951.1 km

Distance to Mexican border: 1357.8 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 67.0 degrees    Distance: 108.8 km  
ERP: 46.0 kW    Field strength: 49.4 dBu, 0.3 mV/m

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 298.8 degrees    Distance: 1873.6 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%

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Interference to BPDVA20130508AIV APP, scenario 1  
Proposal causes no interference.

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Interference to BLDVA20120221ABI LIC, scenario 1  
Proposal causes no interference.

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Interference to BLCDT20131113BGN LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WTVM	D11	DT	LIC	COLUMBUS, GA	BLCDT20131113BGN	
Undesireds:	WCIQ	D12	DT	BL	MOUNT CHEAHA, AL	DTVBL711	160.5 km
	WCIQ	D12	DT	BL	MOUNT CHEAHA, AL	DTVBL711	160.5
	WDIQ	D10	DT	LIC	DOZIER, AL	BLEDT20091006ADJ	173.4
	WALB	D10	DT	LIC	ALBANY, GA	BLCDT20090622AAW	140.7
	WXIA-TV	D10	DT	LIC	ATLANTA, GA	BLCDT20040302AAO	165.2
	WTZT-CD	D11	DC	APP	ATHENS, AL	BPDVA20130508AIV	313.3
	WJKF-CD	D11	DC	BL	JACKSONVILLE, FL	DTVBL4754	380.7
	WTOC-TV	D11	DT	LIC	SAVANNAH, GA	BLCDT20090622ABP	325.0
	WSPA-TV	D11	DT	BL	SPARTANBURG, SC	DTVBL66391	392.0
	WETV-CD	D11+	DC	LIC	MURFREESBORO, TN	BLANK0000004987	418.0
	WFXL	D12	DT	LIC	ALBANY, GA	BLCDT20070725AFF	140.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
45160.0	1,498,667	43781.0	1,405,957	42493.5	1,336,543	42489.5	1,336,272	0.01	0.02

Undesired	Total IX		Unique IX, before		Unique IX, after	
WCIQ D12 DT BL	600.3	7,420	592.3	5,641		
WCIQ D12 DT BL	604.3	7,691			596.3	5,912
WDIQ D10 DT LIC	12.2	403	12.2	403	12.2	403
WALB D10 DT LIC	226.0	3,264	202.2	2,778	202.2	2,778
WXIA-TV D10 DT LIC	187.4	30,349	139.6	22,768	139.6	22,768
WTOC-TV D11 DT LIC	233.4	27,279	205.4	26,266	205.4	26,266
WSPA-TV D11 DT BL	99.8	9,293	32.0	2,478	32.0	2,478
WFXL D12 DT LIC	27.9	486	4.1	0	4.1	0

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Interference to BLCDT20131113BGN LIC, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WTVM	D11	DT	LIC	COLUMBUS, GA	BLCDT20131113BGN	
Undesireds:	WCIQ	D12	DT	BL	MOUNT CHEAHA, AL	DTVBL711	160.5 km
	WCIQ	D12	DT	BL	MOUNT CHEAHA, AL	DTVBL711	160.5
	WDIQ	D10	DT	LIC	DOZIER, AL	BLEDT20091006ADJ	173.4
	WALB	D10	DT	LIC	ALBANY, GA	BLCDT20090622AAW	140.7

WXIA-TV	D10	DT	LIC	ATLANTA, GA	BLCDT20040302AAO	165.2
WTZT-CD	D11	DC	LIC	ATHENS, AL	BLDVA20120221ABI	330.9
WJKF-CD	D11	DC	BL	JACKSONVILLE, FL	DTVBL4754	380.7
WTOC-TV	D11	DT	LIC	SAVANNAH, GA	BLCDT20090622ABP	325.0
WSPA-TV	D11	DT	BL	SPARTANBURG, SC	DTVBL66391	392.0
WETV-CD	D11+	DC	LIC	MURFREESBORO, TN	BLANK0000004987	418.0
WFXL	D12	DT	LIC	ALBANY, GA	BLCDT20070725AFF	140.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
45160.0	1,498,667	43781.0	1,405,957	42493.5	1,336,543	42489.5	1,336,272	0.01	0.02

Undesired		Total IX		Unique IX, before		Unique IX, after	
WCIQ D12 DT BL	600.3	7,420	592.3	5,641			
WCIQ D12 DT BL	604.3	7,691			596.3	5,912	
WDIQ D10 DT LIC	12.2	403	12.2	403	12.2	403	
WALB D10 DT LIC	226.0	3,264	202.2	2,778	202.2	2,778	
WXIA-TV D10 DT LIC	187.4	30,349	139.6	22,768	139.6	22,768	
WTOC-TV D11 DT LIC	233.4	27,279	205.4	26,266	205.4	26,266	
WSPA-TV D11 DT BL	99.8	9,293	32.0	2,478	32.0	2,478	
WFXL D12 DT LIC	27.9	486	4.1	0	4.1	0	

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Interference to BLDVA20120802AAK LIC, scenario 1

Proposal causes no interference.

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Interference to BLCDT20070725AFF LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFXL	D12	DT	LIC	ALBANY, GA	BLCDT20070725AFF	
Undesireds:	WCIQ	D12	DT	BL	MOUNT CHEAHA, AL	DTVBL711	301.1 km
	WCIQ	D12	DT	BL	MOUNT CHEAHA, AL	DTVBL711	301.1
	WTVM	D11	DT	LIC	COLUMBUS, GA	BLCDT20131113BGN	140.7
	WBQP-CD	D12	DC	LIC	PENSACOLA, FL	BLDVA20120802AAK	337.2
	WRDW-TV	D12	DT	LIC	AUGUSTA, GA	BLCDT20090227ABQ	298.8
	WMBB	D13	DT	LIC	PANAMA CITY, FL	BLCDT20090220AAF	182.0
	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	160.6
	WBFL-CD	D13-	DC	LIC	VALDOSTA, GA	BLANK0000004604	89.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
29532.6	793,637	29283.4	785,106	28642.2	780,963	28642.2	780,963	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
WCIQ D12 DT BL	189.9	716	48.5	147			
WCIQ D12 DT BL	189.9	716			48.5	147	
WTVM D11 DT LIC	4.0	45	0.0	0	0.0	0	
WRDW-TV D12 DT LIC	468.6	2,308	331.3	1,784	331.3	1,784	
WMAZ-TV D13 DT LIC	4.0	37	0.0	0	0.0	0	
WBFL-CD D13- DC LIC	120.0	1,643	120.0	1,643	120.0	1,643	

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Interference to BLCDT20090227ABQ LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WRDW-TV	D12	DT	LIC	AUGUSTA, GA	BLCDT20090227ABQ	
Undesireds:	WCIQ	D12	DT	BL	MOUNT CHEAHA, AL	DTVBL711	367.8 km
	WCIQ	D12	DT	BL	MOUNT CHEAHA, AL	DTVBL711	367.8
	WTOC-TV	D11	DT	LIC	SAVANNAH, GA	BLCDT20090622ABP	157.6
	WSPA-TV	D11	DT	BL	SPARTANBURG, SC	DTVBL66391	199.9
	WFXL	D12	DT	LIC	ALBANY, GA	BLCDT20070725AFF	298.8
	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	175.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
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39296.3	1,564,584	38343.8	1,533,682	37163.6	1,510,163	37163.6	1,510,163	0.00	0.00
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Undesired		Total IX		Unique IX, before		Unique IX, after	
WCIQ D12 DT BL	195.8	2,186	84.1	309			
WCIQ D12 DT BL	199.8	2,195			84.1	309	
WTOC-TV D11 DT LIC	181.2	9,362	161.0	4,089	161.0	4,089	
WSPA-TV D11 DT BL	47.9	734	47.9	734	47.9	734	
WFXL D12 DT LIC	887.1	18,387	743.2	11,075	739.2	11,066	
WMAZ-TV D13 DT LIC	12.0	162	0.0	0	0.0	0	

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Interference to BLCDT20090227ABQ LIC, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WRDW-TV	D12	DT	LIC	AUGUSTA, GA	BLCDT20090227ABQ	
Undesireds:	WCIQ	D12	DT	BL	MOUNT CHEAHA, AL	DTVBL711	367.8 km
	WCIQ	D12	DT	BL	MOUNT CHEAHA, AL	DTVBL711	367.8
	WTOC-TV	D11	DT	LIC	SAVANNAH, GA	BLCDT20090622ABP	157.6
	WSPA-TV	D11	DT	BL	SPARTANBURG, SC	DTVBL66391	199.9
	WFXL	D12	DT	LIC	ALBANY, GA	BLCDT20070725AFF	298.8
	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	175.7

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39296.3	1,564,584	38343.8	1,533,682	37163.6	1,510,163	37163.6	1,510,163	0.00	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
WCIQ D12 DT BL	195.8	2,186	84.1	309			
WCIQ D12 DT BL	199.8	2,195			84.1	309	
WTOC-TV D11 DT LIC	181.2	9,362	161.0	4,089	161.0	4,089	
WSPA-TV D11 DT BL	47.9	734	47.9	734	47.9	734	
WFXL D12 DT LIC	887.1	18,387	743.2	11,075	739.2	11,066	
WMAZ-TV D13 DT LIC	12.0	162	0.0	0	0.0	0	

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Interference to BLCDT20111014ABR LIC, scenario 1

Proposal causes no interference.

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Interference to BLCDT20111014ABR LIC, scenario 2

Proposal causes no interference.

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Interference to BLCDT20090617AAN LIC, scenario 1

Proposal causes no interference.

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Interference to BLCDT20110729ACZ LIC, scenario 1

Proposal causes no interference.

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Interference to BLCDT20110729ACZ LIC, scenario 2

Proposal causes no interference.

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Interference to BLCDT20110729ACZ LIC, scenario 3

Proposal causes no interference.

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Interference to BLCDT20110729ACZ LIC, scenario 4

Proposal causes no interference.

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Interference to BLCDT20110729ACZ LIC, scenario 5

Proposal causes no interference.

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Interference to BLCDT20110729ACZ LIC, scenario 6  
Proposal causes no interference.

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Interference to BLCDT20110729ACZ LIC, scenario 7  
Proposal causes no interference.

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Interference to BLCDT20110729ACZ LIC, scenario 8  
Proposal causes no interference.

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Interference to proposal, scenario 1  
0.83% interference

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WCIQ	D12	DT	BL	MOUNT CHEAHA, AL	DTVBL711	
Undesireds:	WTZT-CD	D11	DC	APP	ATHENS, AL	BPDVA20130508AIV	154.3 km
	WTVM	D11	DT	LIC	COLUMBUS, GA	BLCDT20131113BGN	160.5
	WBQP-CD	D12	DC	LIC	PENSACOLA, FL	BLDVA20120802AAK	361.2
	WFXL	D12	DT	LIC	ALBANY, GA	BLCDT20070725AFF	301.1
	WRDW-TV	D12	DT	LIC	AUGUSTA, GA	BLCDT20090227ABQ	367.8
	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	224.7
	WRCB	D13	DT	LIC	CHATTANOOGA, TN	BLCDT20110729ACZ	191.7

	Service area		Terrain-limited		IX-free		Percent IX
50784.7	3,571,726	48285.0	3,383,118	47795.0	3,354,959	1.01	0.83

Undesired			Total IX		Unique IX		Prcnt Unique IX
WTVM D11 DT LIC		406.0	12,438	353.7	11,626	0.73	0.34
WFXL D12 DT LIC		116.2	6,661	36.0	3,768	0.07	0.11
WRDW-TV D12 DT LIC		48.0	11,953	20.1	9,872	0.04	0.29

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Interference to proposal, scenario 2  
0.84% interference

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WCIQ	D12	DT	BL	MOUNT CHEAHA, AL	DTVBL711	
Undesireds:	WTZT-CD	D11	DC	LIC	ATHENS, AL	BLDVA20120221ABI	171.1 km
	WTVM	D11	DT	LIC	COLUMBUS, GA	BLCDT20131113BGN	160.5
	WBQP-CD	D12	DC	LIC	PENSACOLA, FL	BLDVA20120802AAK	361.2
	WFXL	D12	DT	LIC	ALBANY, GA	BLCDT20070725AFF	301.1
	WRDW-TV	D12	DT	LIC	AUGUSTA, GA	BLCDT20090227ABQ	367.8
	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	224.7
	WRCB	D13	DT	LIC	CHATTANOOGA, TN	BLCDT20110729ACZ	191.7

	Service area		Terrain-limited		IX-free		Percent IX
50784.7	3,571,726	48285.0	3,383,118	47775.0	3,354,584	1.06	0.84

Undesired			Total IX		Unique IX		Prcnt Unique IX
WTZT-CD D11 DC LIC		19.9	375	19.9	375	0.04	0.01
WTVM D11 DT LIC		406.0	12,438	353.7	11,626	0.73	0.34
WFXL D12 DT LIC		116.2	6,661	36.0	3,768	0.07	0.11
WRDW-TV D12 DT LIC		48.0	11,953	20.1	9,872	0.04	0.29