

tvstudy v2.2.2
Database: localhost, Study: WSST-P1, Model: Longley-Rice
Start: 2017.05.23 09:16:52

Study created: 2017.05.23 09:16:45

Study build station data: LMS TV 2017-05-21 (7)

Proposal: WSST-P1 D34 DT APP CORDELE, GA
File number: WSST-P1
Facility ID: 63867
Station data: User record
Record ID: 234
Country: U.S.
Zone: III

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
WDFX-TV	D33	DT	LIC	OZARK, AL	BLCDT20050915APH	187.5 km
WIRE-CD	D33	DC	BL	ATLANTA, GA	DTVBL55108	212.2
WGNM	D33	DT	BL	MACON, GA	DTVBL24618	99.5
WBIH	D34	DT	BL	SELMA, AL	DTVBL84802	294.5
WBXJ-CD	D34	DC	BL	JACKSONVILLE, ETC., FL	DTVBL70414	278.9
WUCF-TV	D34	DT	BL	ORLANDO, FL	DTVBL12855	448.9
WHBR	D34	DT	LIC	PENSACOLA, FL	BLCDT20060627AAV	391.6
WATC-DT	D34	DT	BL	ATLANTA, GA	DTVBL13206	249.0
WGWG	D34	DT	LIC	CHARLESTON, SC	BLCDT20060630ADJ	401.9
WNSC-TV	D34	DT	BL	ROCK HILL, SC	DTVBL61009	417.3
WVLT-TV	D34	DT	BL	KNOXVILLE, TN	DTVBL35908	456.2
WGSA	D35	DT	LIC	BAXLEY, GA	BLCDT20071120AJC	233.0
WLTZ	D35	DT	LIC	COLUMBUS, GA	BLCDT20060627ABT	119.5
WBVJ-CD	D35+	DC	LIC	VALDOSTA, GA	BLANK0000004708	113.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D34
Latitude: 31 53 36.00 N (NAD83)
Longitude: 83 48 18.00 W
Height AMSL: 208.8 m
HAAT: 111.0 m
Peak ERP: 66.2 kW
Antenna: Omnidirectional

40.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	66.2 kW	114.6 m	62.2 km
45.0	66.2	96.8	60.3
90.0	66.2	88.3	59.2
135.0	66.2	95.8	60.2
180.0	66.2	111.2	61.9
225.0	66.2	124.7	63.1
270.0	66.2	126.0	63.2
315.0	66.2	126.8	63.3

Proposal service area is within baseline plus 1.0%
Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 1092.0 km

Distance to Mexican border: 1434.2 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 338.8 degrees Distance: 235.1 km
ERP: 66.2 kW Field strength: 9.5 dBu, 0.0 mV/m

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 301.5 degrees Distance: 2124.6 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%

Interference to BLCDT20050915APH LIC, scenario 1
Proposal causes no interference.

Interference to DTVBL55108 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL24618 BL, scenario 1

Desired:	Call WGNM	Chan D33	Svc DT	Status BL	City, State MACON, GA	File Number DTVBL24618	Distance
Undesireds:	WSST-TV	D34	DT	BL	CORDELE, GA	DTVBL63867	99.5 km
	WSST-P1	D34	DT	APP	CORDELE, GA	WSST-P1	99.5
	WSB-TV	D32	DT	BL	ATLANTA, GA	DTVBL23960	133.9
	WPXH-TV	D33	DT	BL	GADSDEN, AL	DTVBL73312	298.0
	WDFX-TV	D33	DT	LIC	OZARK, AL	BLCDT20050915APH	259.7
	WPCT	D33	DT	BL	PANAMA CITY BEACH, FL	DTVBL4354	355.7
	WIRE-CD	D33	DC	BL	ATLANTA, GA	DTVBL55108	132.0
	WRLK-TV	D33	DT	BL	COLUMBIA, SC	DTVBL61013	286.0
	WATC-DT	D34	DT	BL	ATLANTA, GA	DTVBL13206	166.9

Service area	19535.9	742,541	Terrain-limited	19455.8	741,557	IX-free, before	19335.9	736,737	IX-free, after	19335.9	736,737	Percent New IX	0.00 0.00
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Undesired				Total IX	Unique IX, before	Unique IX, after
WSST-TV D34 DT BL	32.3			497	32.3	497
WSST-P1 D34 DT APP	32.3			497		32.3 497
WSB-TV D32 DT BL	27.9		2,766	8.0	325	8.0 325
WIRE-CD D33 DC BL	59.8		3,441	31.9	953	31.9 953
WRLK-TV D33 DT BL	27.9		604	19.9	557	19.9 557

Interference to DTVBL84802 BL, scenario 1

Desired:	Call WBIH	Chan D34	Svc DT	Status BL	City, State SELMA, AL	File Number DTVBL84802	Distance
Undesireds:	WSST-TV	D34	DT	BL	CORDELE, GA	DTVBL63867	294.6 km
	WSST-P1	D34	DT	APP	CORDELE, GA	WSST-P1	294.5
	WPXH-TV	D33	DT	BL	GADSDEN, AL	DTVBL73312	154.0
	WDFX-TV	D33	DT	LIC	OZARK, AL	BLCDT20050915APH	188.1
	W17DJ-D	D34	DC	CP	HUNTSVILLE, AL	BLANK0000024495	245.8
	WHBR	D34	DT	LIC	PENSACOLA, FL	BLCDT20060627AAV	227.4
	WATC-DT	D34	DT	BL	ATLANTA, GA	DTVBL13206	279.2
	W34DV-D	D34	DC	LIC	BOONEVILLE, MS	BLANK0000001528	284.9
	WRBJ-TV	D34	DT	LIC	MAGEE, MS	BLCDT20110511AGB	258.3
	WEAC-CD	D35	DC	BL	JACKSONVILLE, AL	DTVBL64338	150.4
	WLTZ	D35	DT	LIC	COLUMBUS, GA	BLCDT20060627ABT	183.7

Service area	26957.9	723,940	Terrain-limited	26649.3	712,568	IX-free, before	26283.5	705,725	IX-free, after	26283.5	705,725	Percent New IX	0.00 0.00
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Undesired				Total IX	Unique IX, before	Unique IX, after
WSST-TV D34 DT BL	12.1			97	4.0	96
WSST-P1 D34 DT APP	12.1			97		4.0 96
WHBR D34 DT LIC	173.4		866	84.8	311	84.8 311
WATC-DT D34 DT BL	108.1		4,309	60.1	3,820	60.1 3,820
WRBJ-TV D34 DT LIC	153.0		1,169	80.3	744	80.3 744
WEAC-CD D35 DC BL	39.9		1,316	20.0	983	20.0 983

Interference to DTVBL84802 BL, scenario 2

Desired:	Call WBIH	Chan D34	Svc DT	Status BL	City, State SELMA, AL	File Number DTVBL84802	Distance
Undesireds:	WSST-TV	D34	DT	BL	CORDELE, GA	DTVBL63867	294.6 km
	WSST-P1	D34	DT	APP	CORDELE, GA	WSST-P1	294.5
	WPXH-TV	D33	DT	BL	GADSDEN, AL	DTVBL73312	154.0
	WDFX-TV	D33	DT	LIC	OZARK, AL	BLCDT20050915APH	188.1
	W17DJ-D	D34	DC	BL	HUNTSVILLE, AL	DTVBL67020	245.8
	WHBR	D34	DT	LIC	PENSACOLA, FL	BLCDT20060627AAV	227.4
	WATC-DT	D34	DT	BL	ATLANTA, GA	DTVBL13206	279.2
	W34DV-D	D34	DC	LIC	BOONEVILLE, MS	BLANK0000001528	284.9
	WRBJ-TV	D34	DT	LIC	MAGEE, MS	BLCDT20110511AGB	258.3
	WEAC-CD	D35	DC	BL	JACKSONVILLE, AL	DTVBL64338	150.4
	WLTZ	D35	DT	LIC	COLUMBUS, GA	BLCDT20060627ABT	183.7

Service area	26957.9	723,940	Terrain-limited	26649.3	712,568	IX-free, before	26283.5	705,725	IX-free, after	26283.5	705,725	Percent New IX	0.00 0.00
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Undesired				Total IX	Unique IX, before	Unique IX, after
WSST-TV D34 DT BL	12.1			97	4.0	96
WSST-P1 D34 DT APP	12.1			97		4.0 96
WHBR D34 DT LIC	173.4		866	84.8	311	84.8 311
WATC-DT D34 DT BL	108.1		4,309	60.1	3,820	60.1 3,820
WRBJ-TV D34 DT LIC	153.0		1,169	80.3	744	80.3 744
WEAC-CD D35 DC BL	39.9		1,316	20.0	983	20.0 983

Interference to DTVBL70414 BL, scenario 1

Proposal causes no interference.

Interference to DTVBL12855 BL, scenario 1

Proposal causes no interference.

Interference to BLCDT20060627AAV LIC, scenario 1

Proposal causes no interference.

Interference to DTVBL13206 BL, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WATC-DT	D34	DT	BL	ATLANTA, GA	DTVBL13206	
Undesireds:	WSST-TV	D34	DT	BL	CORDELE, GA	DTVBL63867	249.0 km
	WSST-P1	D34	DT	APP	CORDELE, GA	WSST-P1	249.0
	WPXH-TV	D33	DT	BL	GADSDEN, AL	DTVBL73312	186.8
	WIRE-CD	D33	DC	BL	ATLANTA, GA	DTVBL55108	36.8
	WGNM	D33	DT	BL	MACON, GA	DTVBL24618	166.9
	W17DJ-D	D34	DC	CP	HUNTSVILLE, AL	BLANK0000024495	204.6
	WBIH	D34	DT	BL	SELMA, AL	DTVBL84802	279.2
	W34DV-D	D34	DC	LIC	BOONEVILLE, MS	BLANK0000001528	383.2
	WNSC-TV	D34	DT	BL	ROCK HILL, SC	DTVBL61009	326.4
	WVLT-TV	D34	DT	BL	KNOXVILLE, TN	DTVBL35908	219.2
	WEAC-CD	D35	DC	BL	JACKSONVILLE, AL	DTVBL64338	139.8
	WLTZ	D35	DT	LIC	COLUMBUS, GA	BLCDDT20060627ABT	183.2
	WTCI	D35	DT	BL	CHATTANOOGA, TN	DTVBL65667	147.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
24520.5	5,637,070	23689.0	5,617,246	23318.3	5,572,397	23318.3 5,572,397	0.00 0.00

Undesired			Total IX	Unique IX, before		Unique IX, after	
WSST-TV D34 DT BL	11.9		1,470	8.0	1,287		
WSST-P1 D34 DT APP	11.9		1,470			8.0	1,287
WIRE-CD D33 DC BL	68.1		6,749	68.1	6,749	68.1	6,749
WBIH D34 DT BL	40.0		1,491	28.0	1,353	28.0	1,353
WVLT-TV D34 DT BL	226.9		32,671	191.0	29,936	191.0	29,936
WEAC-CD D35 DC BL	4.0		55	4.0	55	4.0	55
WTCI D35 DT BL	55.6		5,148	35.8	2,734	35.8	2,734

Interference to DTVBL13206 BL, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WATC-DT	D34	DT	BL	ATLANTA, GA	DTVBL13206	
Undesireds:	WSST-TV	D34	DT	BL	CORDELE, GA	DTVBL63867	249.0 km
	WSST-P1	D34	DT	APP	CORDELE, GA	WSST-P1	249.0
	WPXH-TV	D33	DT	BL	GADSDEN, AL	DTVBL73312	186.8
	WIRE-CD	D33	DC	BL	ATLANTA, GA	DTVBL55108	36.8
	WGNM	D33	DT	BL	MACON, GA	DTVBL24618	166.9
	W17DJ-D	D34	DC	BL	HUNTSVILLE, AL	DTVBL67020	204.6
	WBIH	D34	DT	BL	SELMA, AL	DTVBL84802	279.2
	W34DV-D	D34	DC	LIC	BOONEVILLE, MS	BLANK0000001528	383.2
	WNSC-TV	D34	DT	BL	ROCK HILL, SC	DTVBL61009	326.4
	WVLT-TV	D34	DT	BL	KNOXVILLE, TN	DTVBL35908	219.2
	WEAC-CD	D35	DC	BL	JACKSONVILLE, AL	DTVBL64338	139.8
	WLTZ	D35	DT	LIC	COLUMBUS, GA	BLCDDT20060627ABT	183.2
	WTCI	D35	DT	BL	CHATTANOOGA, TN	DTVBL65667	147.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
24520.5	5,637,070	23689.0	5,617,246	23318.3	5,572,397	23318.3 5,572,397	0.00 0.00

Undesired			Total IX	Unique IX, before		Unique IX, after	
WSST-TV D34 DT BL	11.9		1,470	8.0	1,287		
WSST-P1 D34 DT APP	11.9		1,470			8.0	1,287
WIRE-CD D33 DC BL	68.1		6,749	68.1	6,749	68.1	6,749
WBIH D34 DT BL	40.0		1,491	28.0	1,353	28.0	1,353
WVLT-TV D34 DT BL	226.9		32,671	191.0	29,936	191.0	29,936
WEAC-CD D35 DC BL	4.0		55	4.0	55	4.0	55
WTCI D35 DT BL	55.6		5,148	35.8	2,734	35.8	2,734

Interference to BLCDDT20060630ADJ LIC, scenario 1
Proposal causes no interference.

Interference to DTVBL61009 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL35908 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL35908 BL, scenario 2
Proposal causes no interference.

Interference to BLCDDT20071120AJC LIC, scenario 1
Proposal causes no interference.

Interference to BLCDDT20060627ABT LIC, scenario 1
Proposal causes no interference.

Interference to BLANK0000004708 LIC, scenario 1
Proposal causes no interference.

Interference to proposal, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSST-P1	D34	DT	APP	CORDELE, GA	WSST-P1	
Undesireds:	WGNM	D33	DT	BL	MACON, GA	DTVBL24618	99.5 km
	WBIH	D34	DT	BL	SELMA, AL	DTVBL84802	294.5
	WBXJ-CD	D34	DC	BL	JACKSONVILLE, ETC., FL	DTVBL70414	278.9
	WATC-DT	D34	DT	BL	ATLANTA, GA	DTVBL13206	249.0
	WLTZ	D35	DT	LIC	COLUMBUS, GA	BLCDT20060627ABT	119.5
	WBVJ-CD	D35+	DC	LIC	VALDOSTA, GA	BLANK0000004708	113.7

Service area	Terrain-limited	IX-free	Percent IX
11952.1 331,907	11887.6 331,601 11819.1	330,783	0.58 0.25

Undesired	Total IX	Unique IX	Prcnt Unique IX
WGNM D33 DT BL	44.3 769 8.1	0	0.07 0.00
WBIH D34 DT BL	16.1 82 8.0	44	0.07 0.01
WATC-DT D34 DT BL	52.4 774 12.1	3	0.10 0.00

Interference to proposal, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WSST-P1	D34	DT	APP	CORDELE, GA	WSST-P1	
Undesireds:	WGNM	D33	DT	BL	MACON, GA	DTVBL24618	99.5 km
	WBIH	D34	DT	BL	SELMA, AL	DTVBL84802	294.5
	WBXJ-CD	D34	DC	BL	JACKSONVILLE, ETC., FL	DTVBL70414	278.9
	WATC-DT	D34	DT	BL	ATLANTA, GA	DTVBL13206	249.0
	WLTZ	D35	DT	LIC	COLUMBUS, GA	BLCDT20060627ABT	119.5
	WBVJ-CD	D35+	DC	LIC	VALDOSTA, GA	BLANK0000004708	113.7

Service area	Terrain-limited	IX-free	Percent IX
11952.1 331,907	11887.6 331,601 11819.1	330,783	0.58 0.25

Undesired	Total IX	Unique IX	Prcnt Unique IX
WGNM D33 DT BL	44.3 769 8.1	0	0.07 0.00
WBIH D34 DT BL	16.1 82 8.0	44	0.07 0.01
WATC-DT D34 DT BL	52.4 774 12.1	3	0.10 0.00