



WLOS - ASHEVILLE, NORTH CAROLINA

MARCH 2023

APPENDIX B

Longley-Rice Interference Analysis

tvstudy v2.2.5 (4uoc83)
 Database: localhost, Study: WLOS 13 1255p8C 552H C150 oo, Model: Longley-Rice
 Start: 2023.02.27 11:48:29

Study created: 2023.02.27 11:48:29

Study build station data: LMS TV 2023-02-27

Proposal: WLOS D13 DT APP ASHEVILLE, NC
 File number: WLOS 13 1255p8C 552H C150 oo
 Facility ID: 56537
 Station data: User record
 Record ID: 57
 Country: U.S.
 Zone: II

Build options:
 Protect pre-transition records not on baseline channel

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	WRDW-TV	D12	DT	LIC	AUGUSTA, GA	BLCDT20090227ABQ	211.6 km
No	WYMT-TV	D12	DT	LIC	HAZARD, KY	BLCDT20040109ACY	226.4
Yes	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	289.8
Yes	WTSF	D13	DT	LIC	ASHLAND, KY	BLANK0000117277	355.6
Yes	WBKO	D13	DT	CP	BOWLING GREEN, KY	BLANK0000035946	404.3
Yes	WBKO	D13	DT	LIC	BOWLING GREEN, KY	BLCDT20090423ABM	404.3
Yes	WBTV	D13	DT	LIC	FLORENCE, SC	BLCDT20090612AIR	309.5
Yes	WRCB	D13	DT	CP	CHATTANOOGA, TN	BLANK0000035995	251.2
Yes	WRCB	D13	DT	LIC	CHATTANOOGA, TN	BLCDT20110729ACZ	251.2
Yes	WBRA-TV	D13	DT	APP	ROANOKE, VA	BLANK0000203784	307.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D13
 Latitude: 35 13 20.00 N (NAD83)
 Longitude: 82 32 58.00 W
 Height AMSL: 1255.8 m
 HAAT: 552.0 m
 Peak ERP: 160 kW
 Antenna: DIE THV-7A13-VPR_R C150 230227 0.0 deg
 Elev Pattn: Generic
 Elec Tilt: 1.50

36.0 dBu contour:
 Azimuth ERP HAAT Distance

Appendix B - Interference Analysis **WLOS - Asheville, North Carolina** **Channel 13 -160 kW - Page 2**

0.0 deg	157 kW	568.4 m	140.4 km
45.0	156	596.9	142.0
90.0	96.6	511.8	129.5
135.0	37.4	691.3	129.7
180.0	34.9	649.5	127.2
225.0	86.9	406.4	119.4
270.0	154	497.8	134.0
315.0	158	490.9	133.7

ERP exceeds maximum

ERP: 160 kW ERP maximum: 39.7 kW

Distance to Canadian border: 717.5 km

Distance to Mexican border: 1713.7 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 233.4 degrees Distance: 249.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 292.1 degrees Distance: 2061.5 km

Please process according the these size and spacing parameters.

Study cell size: 1.00 km

Profile point spacing: 0.83 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

----- Interference to BLCDT20090617AAN LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	
Undesireds:	WLOS	D13	DT	BL	ASHEVILLE, NC	DTVBL56537	306.1 km
	WLOS	D13	DT	APP	ASHEVILLE, NC	WLOS 13 1255p8C 552H C	289.8
	WTLV	D13	DT	LIC	JACKSONVILLE, FL	BLCDT20090702AAJ	334.7
	WMBB	D13	DT	LIC	PANAMA CITY, FL	BLCDT20090220AAF	318.3
	WBFL-CD	D13-	DC	LIC	VALDOSTA, GA	BLANK0000004604	232.7
	WRCB	D13	DT	CP	CHATTANOOGA, TN	BLANK0000035995	312.8

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	32865.1	1,182,470	31169.8	1,129,157	28749.5	1,014,311	28995.3 1,010,884 -0.85 0.34
Undesired	Total IX		Unique IX, before		Unique IX, after		
WLOS D13 DT BL	1347.9	65,398	1160.5	47,396			
WLOS D13 DT APP	1268.4	85,529			914.7	50,823	
WTLV D13 DT LIC	285.2	4,235	209.4	3,806	194.4	3,628	
WMBB D13 DT LIC	565.4	18,833	481.6	18,306	481.6	18,306	
WBFL-CD D13- DC LIC	39.4	96	0.0	0	0.0	0	
WRCB D13 DT CP	488.9	44,901	294.4	26,791	143.3	10,265	

----- Interference to BLCDT20090617AAN LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	
Undesireds:	WLOS	D13	DT	BL	ASHEVILLE, NC	DTVBL56537	306.1 km
	WLOS	D13	DT	APP	ASHEVILLE, NC	WLOS 13 1255p8C 552H C	289.8
	WTLV	D13	DT	LIC	JACKSONVILLE, FL	BLCDT20090702AAJ	334.7
	WMBB	D13	DT	LIC	PANAMA CITY, FL	BLCDT20090220AAF	318.3
	WBFL-CD	D13-	DC	LIC	VALDOSTA, GA	BLANK0000004604	232.7
	WRCB	D13	DT	LIC	CHATTANOOGA, TN	BLCDT20110729ACZ	312.8

Appendix B - Interference Analysis
WLOS - Asheville, North Carolina
Channel 13 -160 kW - Page 3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
32865.1 1,182,470	31169.8 1,129,157	28809.2 1,021,046	29041.0 1,016,234	-0.80 0.47
Undesired	Total IX	Unique IX, before	Unique IX, after	
WLOS D13 DT BL	1347.9 65,398	1213.0 52,080		
WLOS D13 DT APP	1268.4 85,529		981.2 56,892	
WTLV D13 DT LIC	285.2 4,235	209.4 3,806	194.4 3,628	
WMBB D13 DT LIC	565.4 18,833	483.7 18,306	483.7 18,306	
WBFL-CD D13- DC LIC	39.4 96	0.0 0	0.0 0	
WRCB D13 DT LIC	374.7 33,482	234.8 20,056	97.5 4,915	

Interference to BLANK0000117277 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WTSF	D13	DT	LIC	ASHLAND, KY	BLANK0000117277	
Undesireds: WLOS	D13	DT	BL	ASHEVILLE, NC	DTVBL56537	334.3 km
WLOS	D13	DT	APP	ASHEVILLE, NC	WLOS 13 1255p8C 552H C	355.6
WTHR	D13	DT	LIC	INDIANAPOLIS, IN	BLANK0000153712	366.3
WBRA-TV	D13	DT	APP	ROANOKE, VA	BLANK0000203784	239.7
WVFX	D13	DT	LIC	CLARKSBURG, WV	BLANK0000179139	203.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
22264.4 923,428	20254.0 847,750	19557.9 822,466	19568.0 822,711	-0.05 -0.03
Undesired	Total IX	Unique IX, before	Unique IX, after	
WLOS D13 DT BL	45.5 969	11.1 245		
WLOS D13 DT APP	19.2 525		1.0 0	
WTHR D13 DT LIC	6.0 152	2.0 3	2.0 3	
WBRA-TV D13 DT APP	240.4 8,487	99.2 3,836	103.3 3,958	
WVFX D13 DT LIC	573.6 20,990	424.4 16,323	433.5 16,400	

Interference to BLANK0000117277 LIC scenario 2

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WTSF	D13	DT	LIC	ASHLAND, KY	BLANK0000117277	
Undesireds: WLOS	D13	DT	BL	ASHEVILLE, NC	DTVBL56537	334.3 km
WLOS	D13	DT	APP	ASHEVILLE, NC	WLOS 13 1255p8C 552H C	355.6
WTHR	D13	DT	APP	INDIANAPOLIS, IN	BPCDT20130702ABM	366.3
WBRA-TV	D13	DT	APP	ROANOKE, VA	BLANK0000203784	239.7
WVFX	D13	DT	LIC	CLARKSBURG, WV	BLANK0000179139	203.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
22264.4 923,428	20254.0 847,750	19552.9 822,306	19563.0 822,551	-0.05 -0.03
Undesired	Total IX	Unique IX, before	Unique IX, after	
WLOS D13 DT BL	45.5 969	11.1 245		
WLOS D13 DT APP	19.2 525		1.0 0	
WTHR D13 DT APP	14.0 411	7.0 163	7.0 163	
WBRA-TV D13 DT APP	240.4 8,487	99.2 3,836	103.3 3,958	
WVFX D13 DT LIC	573.6 20,990	421.4 16,224	430.5 16,301	

Interference to BLANK0000035946 CP scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WBKO	D13	DT	CP	BOWLING GREEN, KY	BLANK0000035946	
Undesireds: WLOS	D13	DT	BL	ASHEVILLE, NC	DTVBL56537	376.6 km
WLOS	D13	DT	APP	ASHEVILLE, NC	WLOS 13 1255p8C 552H C	404.3
WEHT	D12	DT	LIC	EVANSVILLE, IN	BLANK0000120480	133.9
WPXS	D13	DT	LIC	MOUNT VERNON, IL	BLANK0000116945	336.4
WTHR	D13	DT	LIC	INDIANAPOLIS, IN	BLANK0000153712	319.2
WRCB	D13	DT	CP	CHATTANOOGA, TN	BLANK0000035995	234.2

Appendix B - Interference Analysis
WLOS - Asheville, North Carolina
Channel 13 -160 kW - Page 4

WLBQ-TV		D13	DT	LIC	MEMPHIS, TN		BLCDT20100917AAC		371.2
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
31272.7	1,333,816	28940.1	1,196,220	28215.1	1,112,951	28222.1	1,112,978	-0.02	-0.00
Undesired		Total IX		Unique IX, before		Unique IX, after			
WLOS D13 DT BL		29.1	892	7.0	27				
WEHT D12 DT LIC		120.6	28,248	53.7	14,037	53.7	14,037		
WPXS D13 DT LIC		246.3	19,713	123.0	2,244	123.0	2,244		
WTHR D13 DT LIC		255.1	28,681	176.1	19,526	176.1	19,526		
WRCB D13 DT CP		123.4	6,087	95.3	4,672	117.3	5,537		
WLBQ-TV D13 DT LIC		134.5	26,839	114.4	23,785	114.4	23,785		

Interference to BLANK0000035946 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WBKO	D13	DT	CP	BOWLING GREEN, KY	BLANK0000035946	
Undesireds:	WLOS	D13	DT	BL	ASHEVILLE, NC	DTVBL56537	376.6 km
	WLOS	D13	DT	APP	ASHEVILLE, NC	WLOS 13 1255p8C 552H C	404.3
	WEHT	D12	DT	LIC	EVANSVILLE, IN	BLANK0000120480	133.9
	WPXS	D13	DT	LIC	MOUNT VERNON, IL	BLANK0000116945	336.4
	WTHR	D13	DT	APP	INDIANAPOLIS, IN	BPCDT20130702ABM	319.2
	WRCB	D13	DT	CP	CHATTANOOGA, TN	BLANK0000035995	234.2
	WLBQ-TV	D13	DT	LIC	MEMPHIS, TN	BLCDT20100917AAC	371.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
31272.7	1,333,816	28940.1	1,196,220	28094.6	1,102,511	28101.6	1,102,538	-0.02	-0.00
Undesired		Total IX		Unique IX, before		Unique IX, after			
WLOS D13 DT BL		29.1	892	7.0	27				
WEHT D12 DT LIC		120.6	28,248	51.7	14,037	51.7	14,037		
WPXS D13 DT LIC		246.3	19,713	104.7	1,902	104.7	1,902		
WTHR D13 DT APP		415.0	44,255	296.5	29,966	296.5	29,966		
WRCB D13 DT CP		123.4	6,087	91.3	4,610	113.3	5,475		
WLBQ-TV D13 DT LIC		134.5	26,839	114.4	23,785	114.4	23,785		

Interference to BLANK0000035946 CP scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WBKO	D13	DT	CP	BOWLING GREEN, KY	BLANK0000035946	
Undesireds:	WLOS	D13	DT	BL	ASHEVILLE, NC	DTVBL56537	376.6 km
	WLOS	D13	DT	APP	ASHEVILLE, NC	WLOS 13 1255p8C 552H C	404.3
	WEHT	D12	DT	LIC	EVANSVILLE, IN	BLANK0000120480	133.9
	WPXS	D13	DT	LIC	MOUNT VERNON, IL	BLANK0000116945	336.4
	WTHR	D13	DT	LIC	INDIANAPOLIS, IN	BLANK0000153712	319.2
	WRCB	D13	DT	LIC	CHATTANOOGA, TN	BLCDT20110729ACZ	234.2
	WLBQ-TV	D13	DT	LIC	MEMPHIS, TN	BLCDT20100917AAC	371.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
31272.7	1,333,816	28940.1	1,196,220	28253.2	1,114,158	28261.2	1,114,185	-0.03	-0.00
Undesired		Total IX		Unique IX, before		Unique IX, after			
WLOS D13 DT BL		29.1	892	8.0	27				
WEHT D12 DT LIC		120.6	28,248	53.7	14,037	53.7	14,037		
WPXS D13 DT LIC		246.3	19,713	123.0	2,244	123.0	2,244		
WTHR D13 DT LIC		255.1	28,681	176.1	19,526	176.1	19,526		
WRCB D13 DT LIC		80.2	4,343	57.1	3,465	78.2	4,330		
WLBQ-TV D13 DT LIC		134.5	26,839	118.5	24,322	118.5	24,322		

Interference to BLANK0000035946 CP scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WBKO	D13	DT	CP	BOWLING GREEN, KY	BLANK0000035946	

Appendix B - Interference Analysis
WLOS - Asheville, North Carolina
Channel 13 -160 kW - Page 5

Undesireds:	WLOS	D13	DT	BL	ASHEVILLE, NC	DTVBL56537	376.6 km
	WLOS	D13	DT	APP	ASHEVILLE, NC	WLOS 13 1255p8C 552H C	404.3
	WEHT	D12	DT	LIC	EVANSVILLE, IN	BLANK0000120480	133.9
	WPXS	D13	DT	LIC	MOUNT VERNON, IL	BLANK0000116945	336.4
	WTHR	D13	DT	APP	INDIANAPOLIS, IN	BPCDT20130702ABM	319.2
	WRCB	D13	DT	LIC	CHATTANOOGA, TN	BLCDT20110729ACZ	234.2
	WHBQ-TV	D13	DT	LIC	MEMPHIS, TN	BLCDT20100917AAC	371.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
31272.7 1,333,816	28940.1 1,196,220	28130.8 1,103,656	28138.8 1,103,683	-0.03 -0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WLOS D13 DT BL	29.1 892	8.0 27	
WEHT D12 DT LIC	120.6 28,248	51.7 14,037	51.7 14,037
WPXS D13 DT LIC	246.3 19,713	104.7 1,902	104.7 1,902
WTHR D13 DT APP	415.0 44,255	298.6 30,028	298.6 30,028
WRCB D13 DT LIC	80.2 4,343	55.1 3,465	76.2 4,330
WHBQ-TV D13 DT LIC	134.5 26,839	118.5 24,322	118.5 24,322

Interference to BLCDT20090423ABM LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WBKO	D13	DT	LIC	BOWLING GREEN, KY	BLCDT20090423ABM	
Undesireds:	WLOS	D13	DT	BL	ASHEVILLE, NC	DTVBL56537	376.6 km
	WLOS	D13	DT	APP	ASHEVILLE, NC	WLOS 13 1255p8C 552H C	404.3
	WEHT	D12	DT	LIC	EVANSVILLE, IN	BLANK0000120480	133.9
	WPXS	D13	DT	LIC	MOUNT VERNON, IL	BLANK0000116945	336.4
	WTHR	D13	DT	LIC	INDIANAPOLIS, IN	BLANK0000153712	319.2
	WRCB	D13	DT	CP	CHATTANOOGA, TN	BLANK0000035995	234.2
	WHBQ-TV	D13	DT	LIC	MEMPHIS, TN	BLCDT20100917AAC	371.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
27763.8 968,584	25590.2 846,826	24989.4 819,700	24992.4 819,792	-0.01 -0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WLOS D13 DT BL	17.1 446	3.0 92	
WEHT D12 DT LIC	49.7 4,051	10.1 2,491	10.1 2,491
WPXS D13 DT LIC	278.7 4,534	173.5 2,100	173.5 2,100
WTHR D13 DT LIC	180.3 7,846	109.4 6,227	109.4 6,227
WRCB D13 DT CP	95.3 5,654	81.2 5,300	95.3 5,654
WHBQ-TV D13 DT LIC	118.3 8,329	103.3 7,892	103.3 7,892

Interference to BLCDT20090423ABM LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WBKO	D13	DT	LIC	BOWLING GREEN, KY	BLCDT20090423ABM	
Undesireds:	WLOS	D13	DT	BL	ASHEVILLE, NC	DTVBL56537	376.6 km
	WLOS	D13	DT	APP	ASHEVILLE, NC	WLOS 13 1255p8C 552H C	404.3
	WEHT	D12	DT	LIC	EVANSVILLE, IN	BLANK0000120480	133.9
	WPXS	D13	DT	LIC	MOUNT VERNON, IL	BLANK0000116945	336.4
	WTHR	D13	DT	APP	INDIANAPOLIS, IN	BPCDT20130702ABM	319.2
	WRCB	D13	DT	CP	CHATTANOOGA, TN	BLANK0000035995	234.2
	WHBQ-TV	D13	DT	LIC	MEMPHIS, TN	BLCDT20100917AAC	371.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
27763.8 968,584	25590.2 846,826	24851.6 815,646	24854.6 815,738	-0.01 -0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WLOS D13 DT BL	17.1 446	3.0 92	
WEHT D12 DT LIC	49.7 4,051	8.1 1,750	8.1 1,750
WPXS D13 DT LIC	278.7 4,534	127.8 1,617	127.8 1,617
WTHR D13 DT APP	378.9 13,505	247.1 10,281	247.1 10,281
WRCB D13 DT CP	95.3 5,654	79.2 5,298	93.3 5,652
WHBQ-TV D13 DT LIC	118.3 8,329	103.3 7,892	103.3 7,892

Appendix B - Interference Analysis
WLOS - Asheville, North Carolina
Channel 13 -160 kW - Page 6

Interference to BLCDT20090423ABM LIC scenario 3

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WBKO	D13	DT	LIC	BOWLING GREEN, KY	BLCDT20090423ABM	
Undesireds:	WLOS	D13	DT	BL	ASHEVILLE, NC	DTVBL56537	376.6 km
	WLOS	D13	DT	APP	ASHEVILLE, NC	WLOS 13 1255p8C 552H C	404.3
	WEHT	D12	DT	LIC	EVANSVILLE, IN	BLANK00000120480	133.9
	WPXS	D13	DT	LIC	MOUNT VERNON, IL	BLANK00000116945	336.4
	WTHR	D13	DT	LIC	INDIANAPOLIS, IN	BLANK00000153712	319.2
	WRCB	D13	DT	LIC	CHATTANOOGA, TN	BLCDT20110729ACZ	234.2
	WHBQ-TV	D13	DT	LIC	MEMPHIS, TN	BLCDT20100917AAC	371.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
27763.8	968,584	25590.2	846,826	25030.5	824,362	25034.5 824,454	-0.02 -0.01
Undesired		Total IX		Unique IX, before		Unique IX, after	
WLOS D13 DT BL		17.1	446	4.0	92		
WEHT D12 DT LIC		49.7	4,051	10.1	2,491	10.1 2,491	
WPXS D13 DT LIC		278.7	4,534	173.5	2,100	173.5 2,100	
WTHR D13 DT LIC		180.3	7,846	109.4	6,227	109.4 6,227	
WRCB D13 DT LIC		53.1	992	40.1	638	53.1 992	
WHBQ-TV D13 DT LIC		118.3	8,329	103.3	7,892	103.3 7,892	

Interference to BLCDT20090423ABM LIC scenario 4

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WBKO	D13	DT	LIC	BOWLING GREEN, KY	BLCDT20090423ABM	
Undesireds:	WLOS	D13	DT	BL	ASHEVILLE, NC	DTVBL56537	376.6 km
	WLOS	D13	DT	APP	ASHEVILLE, NC	WLOS 13 1255p8C 552H C	404.3
	WEHT	D12	DT	LIC	EVANSVILLE, IN	BLANK00000120480	133.9
	WPXS	D13	DT	LIC	MOUNT VERNON, IL	BLANK00000116945	336.4
	WTHR	D13	DT	APP	INDIANAPOLIS, IN	BPCDT20130702ABM	319.2
	WRCB	D13	DT	LIC	CHATTANOOGA, TN	BLCDT20110729ACZ	234.2
	WHBQ-TV	D13	DT	LIC	MEMPHIS, TN	BLCDT20100917AAC	371.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
27763.8	968,584	25590.2	846,826	24891.7	820,306	24895.7 820,398	-0.02 -0.01
Undesired		Total IX		Unique IX, before		Unique IX, after	
WLOS D13 DT BL		17.1	446	4.0	92		
WEHT D12 DT LIC		49.7	4,051	8.1	1,750	8.1 1,750	
WPXS D13 DT LIC		278.7	4,534	127.8	1,617	127.8 1,617	
WTHR D13 DT APP		378.9	13,505	248.1	10,283	248.1 10,283	
WRCB D13 DT LIC		53.1	992	39.1	638	52.1 992	
WHBQ-TV D13 DT LIC		118.3	8,329	103.3	7,892	103.3 7,892	

Interference to BLCDT20090612AIR LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WBTW	D13	DT	LIC	FLORENCE, SC	BLCDT20090612AIR	
Undesireds:	WLOS	D13	DT	BL	ASHEVILLE, NC	DTVBL56537	334.4 km
	WLOS	D13	DT	APP	ASHEVILLE, NC	WLOS 13 1255p8C 552H C	309.5
	WSKY-TV	D13	DT	LIC	MANTEO, NC	BLANK00000116863	363.2
	WBRA-TV	D13	DT	APP	ROANOKE, VA	BLANK00000203784	323.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
47646.6	1,979,371	46680.9	1,952,756	44879.8	1,886,875	44674.0 1,885,651	0.46 0.06
Undesired		Total IX		Unique IX, before		Unique IX, after	
WLOS D13 DT BL		1368.1	42,059	1179.7	37,317		
WLOS D13 DT APP		1645.6	45,365			1385.6 38,541	
WSKY-TV D13 DT LIC		99.6	5,420	37.9	2,485	37.9 2,485	

Appendix B - Interference Analysis
WLOS - Asheville, North Carolina
Channel 13 -160 kW - Page 7

WBRA-TV D13 DT APP 583.5 26,079 333.4 18,402 264.7 16,329

Interference to BLANK0000035995 CP scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WRCB	D13	DT	CP	CHATTANOOGA, TN	BLANK0000035995	
Undesireds:	WLOS	D13	DT	BL	ASHEVILLE, NC	DTVBL56537	233.9 km
	WLOS	D13	DT	APP	ASHEVILLE, NC	WLOS 13 1255p8C 552H C	251.2
	WCIQ	D12	DT	LIC	MOUNT CHEAHA, AL	BLANK0000117443	191.7
	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	312.8
	WBKO	D13	DT	CP	BOWLING GREEN, KY	BLANK0000035946	234.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
34918.8 1,692,809		29335.7 1,459,872		27748.3 1,372,665		27859.1 1,375,361	-0.40 -0.20
Undesired		Total IX		Unique IX, before		Unique IX, after	
WLOS D13 DT BL		566.8 25,501		330.7 14,192			
WLOS D13 DT APP		425.2 30,311				219.8 11,496	
WCIQ D12 DT LIC		5.0 0		2.0 0		2.0 0	
WMAZ-TV D13 DT LIC		364.5 28,810		253.7 22,167		167.0 10,531	
WBKO D13 DT CP		902.3 44,400		759.9 39,452		876.3 43,602	

Interference to BLANK0000035995 CP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WRCB	D13	DT	CP	CHATTANOOGA, TN	BLANK0000035995	
Undesireds:	WLOS	D13	DT	BL	ASHEVILLE, NC	DTVBL56537	233.9 km
	WLOS	D13	DT	APP	ASHEVILLE, NC	WLOS 13 1255p8C 552H C	251.2
	WCIQ	D12	DT	LIC	MOUNT CHEAHA, AL	BLANK0000117443	191.7
	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	312.8
	WBKO	D13	DT	LIC	BOWLING GREEN, KY	BLCDT20090423ABM	234.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
34918.8 1,692,809		29335.7 1,459,872		28038.3 1,384,708		28175.1 1,387,937	-0.49 -0.23
Undesired		Total IX		Unique IX, before		Unique IX, after	
WLOS D13 DT BL		566.8 25,501		363.7 15,105			
WLOS D13 DT APP		425.2 30,311				226.9 11,876	
WCIQ D12 DT LIC		5.0 0		2.0 0		2.0 0	
WMAZ-TV D13 DT LIC		364.5 28,810		255.7 22,254		169.0 10,598	
WBKO D13 DT LIC		571.3 31,249		469.9 27,409		560.3 31,026	

Interference to BLCDT20110729ACZ LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WRCB	D13	DT	LIC	CHATTANOOGA, TN	BLCDT20110729ACZ	
Undesireds:	WLOS	D13	DT	BL	ASHEVILLE, NC	DTVBL56537	233.9 km
	WLOS	D13	DT	APP	ASHEVILLE, NC	WLOS 13 1255p8C 552H C	251.2
	WCIQ	D12	DT	LIC	MOUNT CHEAHA, AL	BLANK0000117443	191.7
	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	312.8
	WBKO	D13	DT	CP	BOWLING GREEN, KY	BLANK0000035946	234.2
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
32808.3 1,591,599		27647.0 1,377,839		26096.7 1,304,317		26197.5 1,303,932	-0.39 0.03
Undesired		Total IX		Unique IX, before		Unique IX, after	
WLOS D13 DT BL		601.2 25,868		332.5 10,814			
WLOS D13 DT APP		414.9 24,802				231.8 11,199	
WCIQ D12 DT LIC		4.0 0		4.0 0		3.0 0	
WMAZ-TV D13 DT LIC		315.0 24,206		227.5 17,237		151.9 10,790	
WBKO D13 DT CP		911.7 38,756		712.5 30,367		873.7 38,089	

Appendix B - Interference Analysis
WLOS - Asheville, North Carolina
Channel 13 -160 kW - Page 8

Interference to BLCDT20110729ACZ LIC scenario 2

Desired:	Call WRCB	Chan D13	Svc DT	Status LIC	City, State CHATTANOOGA, TN	File Number BLCDT20110729ACZ	Distance		
Undesireds:	WLOS	D13	DT	BL	ASHEVILLE, NC	DTVBL56537	233.9 km		
	WLOS	D13	DT	APP	ASHEVILLE, NC	WLOS 13 1255p8C 552H C	251.2		
	WCIQ	D12	DT	LIC	MOUNT CHEAHA, AL	BLANK0000117443	191.7		
	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	312.8		
	WBKO	D13	DT	LIC	BOWLING GREEN, KY	BLCDT20090423ABM	234.2		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
32808.3	1,591,599	27647.0	1,377,839	26406.6	1,314,316	26531.2	1,314,454	-0.47	-0.01
Undesired				Total IX	Unique IX, before		Unique IX, after		
WLOS D13 DT BL		601.2		25,868	358.5	11,547			
WLOS D13 DT APP		414.9		24,802			233.8	11,409	
WCIQ D12 DT LIC		4.0		0	4.0	0	3.0	0	
WMAZ-TV D13 DT LIC		315.0		24,206	231.5	17,276	156.9	11,005	
WBKO D13 DT LIC		567.9		27,809	402.7	20,368	540.0	27,567	

Interference to BLANK0000203784 APP scenario 1

Desired:	Call WBRA-TV	Chan D13	Svc DT	Status APP	City, State ROANOKE, VA	File Number BLANK0000203784	Distance
Undesireds:	WLOS	D13	DT	BL	ASHEVILLE, NC	DTVBL56537	305.0 km
	WLOS	D13	DT	APP	ASHEVILLE, NC	WLOS 13 1255p8C 552H C	307.0
	WTSF	D13	DT	LIC	ASHLAND, KY	BLANK0000117277	239.7
	WSKY-TV	D13	DT	LIC	MANTEO, NC	BLANK0000116863	350.5
	WBTW	D13	DT	LIC	FLORENCE, SC	BLCDT20090612AIR	323.2
	WVFX	D13	DT	LIC	CLARKSBURG, WV	BLANK0000179139	234.5
	WWPX-TV	D13	DT	LIC	MARTINSBURG, WV	BLANK0000117578	308.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
51058.7	1,689,844	44235.8	1,475,756	43146.5	1,434,506	43062.0 1,430,059	0.20 0.31
Undesired				Total IX	Unique IX, before	Unique IX, after	
WLOS D13 DT BL		349.3	14,288	191.0	7,529		
WLOS D13 DT APP		417.4	17,602			275.5	11,976
WTSF D13 DT LIC		359.2	15,616	157.2	4,569	172.4	6,095
WSKY-TV D13 DT LIC		234.0	3,526	213.0	3,172	213.0	3,172
WBTW D13 DT LIC		196.0	7,707	92.5	3,898	59.3	2,042
WVFX D13 DT LIC		288.7	15,672	96.8	5,473	106.9	5,944
WWPX-TV D13 DT LIC		18.2	1,046	18.2	1,046	18.2	1,046

Interference to proposal scenario 1 - **Applicant Accepts predicted received interference**

**MX: 3.96% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WLOS	D13	DT	APP	ASHEVILLE, NC	WLOS 13 1255p8C 552H C	
Undesireds:	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	289.8 km
	WTSF	D13	DT	LIC	ASHLAND, KY	BLANK0000117277	355.6
	WBKO	D13	DT	CP	BOWLING GREEN, KY	BLANK0000035946	404.3
	WBTW	D13	DT	LIC	FLORENCE, SC	BLCDT20090612AIR	309.5
	WRCB	D13	DT	CP	CHATTANOOGA, TN	BLANK0000035995	251.2
	WBRA-TV	D13	DT	APP	ROANOKE, VA	BLANK0000203784	307.0
Service area		Terrain-limited		IX-free		Percent IX	
55101.1	3,537,616	44996.0	2,918,572	43802.6	2,802,919	2.65	3.96
Undesired				Total IX	Unique IX	Prcnt	Unique IX
WMAZ-TV D13 DT LIC	266.7			8,313	223.6	7,067	0.50 0.24
WTSF D13 DT LIC	13.1			470	4.0	0	0.01 0.00

**Appendix B - Interference Analysis
WLOS - Asheville, North Carolina
Channel 13 -160 kW - Page 9**

WBKO D13 DT CP	9.0	144	4.0	0	0.01	0.00
WBTW D13 DT LIC	419.4	78,373	290.8	55,655	0.65	1.91
WRCB D13 DT CP	422.1	20,090	336.7	14,464	0.75	0.50
WBRA-TV D13 DT APP	284.3	36,887	116.4	10,055	0.26	0.34

Interference to proposal scenario 2 - **Applicant Accepts predicted received interference**

****MX: 3.89% interference received**

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WLOS	D13	DT	APP	ASHEVILLE, NC	WLOS 13 1255p8C 552H C	
Undesireds:	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	289.8 km
	WTSF	D13	DT	LIC	ASHLAND, KY	BLANK0000117277	355.6
	WBKO	D13	DT	CP	BOWLING GREEN, KY	BLANK0000035946	404.3
	WBTW	D13	DT	LIC	FLORENCE, SC	BLCDT20090612AIR	309.5
	WRCB	D13	DT	LIC	CHATTANOOGA, TN	BLCDT20110729ACZ	251.2
	WBRA-TV	D13	DT	APP	ROANOKE, VA	BLANK0000203784	307.0

Service area	Terrain-limited	IX-free	Percent IX
55101.1 3,537,616	44996.0 2,918,572	43846.7 2,805,170	2.55 3.89
Undesired	Total IX	Unique IX	Prcnt Unique IX
WMAZ-TV D13 DT LIC	266.7 8,313	233.6 7,178	0.52 0.25
WTSF D13 DT LIC	13.1 470	5.0 0	0.01 0.00
WBKO D13 DT CP	9.0 144	4.0 0	0.01 0.00
WBTW D13 DT LIC	419.4 78,373	290.8 55,655	0.65 1.91
WRCB D13 DT LIC	364.9 17,633	292.5 12,213	0.65 0.42
WBRA-TV D13 DT APP	284.3 36,887	118.4 10,150	0.26 0.35

Interference to proposal scenario 3 - **Applicant Accepts predicted received interference**

****MX: 3.96% interference received**

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WLOS	D13	DT	APP	ASHEVILLE, NC	WLOS 13 1255p8C 552H C	
Undesireds:	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	289.8 km
	WTSF	D13	DT	LIC	ASHLAND, KY	BLANK0000117277	355.6
	WBKO	D13	DT	LIC	BOWLING GREEN, KY	BLCDT20090423ABM	404.3
	WBTW	D13	DT	LIC	FLORENCE, SC	BLCDT20090612AIR	309.5
	WRCB	D13	DT	CP	CHATTANOOGA, TN	BLANK0000035995	251.2
	WBRA-TV	D13	DT	APP	ROANOKE, VA	BLANK0000203784	307.0

Service area	Terrain-limited	IX-free	Percent IX
55101.1 3,537,616	44996.0 2,918,572	43803.6 2,802,919	2.65 3.96
Undesired	Total IX	Unique IX	Prcnt Unique IX
WMAZ-TV D13 DT LIC	266.7 8,313	223.6 7,067	0.50 0.24
WTSF D13 DT LIC	13.1 470	4.0 0	0.01 0.00
WBKO D13 DT LIC	6.0 0	3.0 0	0.01 0.00
WBTW D13 DT LIC	419.4 78,373	290.8 55,655	0.65 1.91
WRCB D13 DT CP	422.1 20,090	338.7 14,608	0.75 0.50
WBRA-TV D13 DT APP	284.3 36,887	116.4 10,055	0.26 0.34

Interference to proposal scenario 4 - **Applicant Accepts predicted received interference**

****MX: 3.89% interference received**

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WLOS	D13	DT	APP	ASHEVILLE, NC	WLOS 13 1255p8C 552H C	
Undesireds:	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	289.8 km
	WTSF	D13	DT	LIC	ASHLAND, KY	BLANK0000117277	355.6
	WBKO	D13	DT	LIC	BOWLING GREEN, KY	BLCDT20090423ABM	404.3
	WBTW	D13	DT	LIC	FLORENCE, SC	BLCDT20090612AIR	309.5
	WRCB	D13	DT	LIC	CHATTANOOGA, TN	BLCDT20110729ACZ	251.2
	WBRA-TV	D13	DT	APP	ROANOKE, VA	BLANK0000203784	307.0

Appendix B - Interference Analysis
WLOS - Asheville, North Carolina
Channel 13 -160 kW - Page 10

Service area		Terrain-limited		IX-free		Percent IX	
55101.1	3,537,616	44996.0	2,918,572	43847.7	2,805,170	2.55	3.89
Undesired		Total IX		Unique IX		Prcnt Unique IX	
WMAZ-TV D13 DT LIC	266.7	8,313	233.6	7,178	0.52	0.25	
WTSF D13 DT LIC	13.1	470	5.0	0	0.01	0.00	
WBKO D13 DT LIC	6.0	0	3.0	0	0.01	0.00	
WBTW D13 DT LIC	419.4	78,373	290.8	55,655	0.65	1.91	
WRCB D13 DT LIC	364.9	17,633	294.5	12,357	0.65	0.42	
WBRA-TV D13 DT APP	284.3	36,887	118.4	10,150	0.26	0.35	