

WKRI
Cokesbury, South Carolina
Application for Modified Facilities
Noncommercial FM Station
On Channel 220 Class C3
by
Spirit Broadcasting Group, Inc.

Exhibit 15
Allocations

September 2010

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Declaration

I declare, under penalty of perjury, that I am a technical consultant to broadcasting and other communications systems, that I have over twenty-five years of experience in the engineering of broadcast and other communications systems, that I am familiar with the Federal Communications Commission's Rules found in the Code of Federal Regulations Title 47, that I am a Professional Engineer registered in North Carolina, that I have prepared or supervised the preparation of the attached Exhibit 15, Allocations, for Spirit Broadcasting Group, Inc., and that all of the facts therein, except for facts of which the Federal Communications Commission may take official notice, are true to the best of my knowledge and belief.



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24 September 2010

Narrative

This Exhibit provides details of the allocations for the proposed modified facilities for WKRI, Cokesbury, South Carolina. This proposal complies fully with the requirements of 47 C.F.R. §73.509 for noncommercial reserved channels and §73.207 for nonreserved channels, with the exception of one nonreserved facility protected under the provisions of §73.215.

This application proposes the elimination of a directional antenna, and change to circular polarization. All studies use a “directional antenna” with full field at all azimuths.

Allocations

This application proposes service to Cokesbury, South Carolina, on channel 220 as a Class C3 facility. The Allocations Table in this exhibit provides a list of the stations, construction permits, allocations, and applications studied. All are protected by this application.

An Allocations Study is included as Figure 1. Where there are facilities whose overlap is less than 3.2 kilometers (2 miles) additional figures are provided, along with the output tables from the computer program FMOVER. Those facilities are identified below.

Figure/Table	Facility ID	Community	Channel and Relationship
2	WLPE	Augusta, Georgia	219A, first adjacent
3	WLHR-FM CP	Lavonia, Georgia	221A, first adjacent
4	WLHR-FM (Licensed)	Lavonia, Georgia	221A, first adjacent

A nonreserved commercial channel spacings study is included as Figure 5. The minimum spacings for all first, second and third adjacent channel facilities, except for WLHR-FM CP and WLHR-FM (Licensed) are met at the proposed site. Figure 6 is a spacings study using the minimum spacings of §73.215.

Protection of Nonreserved Facilities under §73.215

There is one station, with both licensed facilities and a construction permit, on nonreserved first adjacent channel 221 that is protected under the provisions of §73.215. Figure 3 is a contour protection study of the WLHR-FM (Licensed) facilities, where the studied facilities are the class maximum at the authorized coordinates. Figure 2 is a contour protection study of the WLHR-FM CP facilities. The WLHR-FM CP is authorized as a short spaced facility under §73.215, so is protected with its authorized facilities.

Table 1 lists nonreserved channel separations with the Required separation (utilizing rounding) and Margin for all facilities where the distances exceed the requirements of §73.207. For WLHR-FM CP and WLHR-FM (Licensed) the lack of overlap of contours distance is shown. The distance between the proposed WKRI site and each WLHR-FM site exceeds the §73.215(e) short spaced minimum of 72 kilometers for first adjacent Class A to Class C3 facilities.

Source of Data

Transmitter location, effective radiated power, directional antenna pattern, and elevation data are extracted from the Commission's CDBS. All contours for existing and proposed facilities are calculated using height above average terrain calculated at one degree horizontal increments. Terrain data is extracted from the V-Soft Communications NED 03

terrain database. The NED 03 database is derived from the USGS National Elevation Data 30 meter terrain database. The USGS National Elevation Dataset has been developed by merging the highest-resolution, best-quality elevation data available across the United States into a seamless raster format. NED is the result of the maturation of the USGS effort to provide 1:24,000-scale Digital Elevation Model (DEM) data for the conterminous US and 1:63,360-scale DEM data for Alaska.

All population data is from 2000 U.S. Census SF1 data files. Population is counted by considering the location of the centroid of each census bloc. The data for each block is counted if it falls within the area being counted.

Area and Population

The area within the proposed 60 dBu F(50,50) service contour is calculated by a computer program which sums the areas within the contours based on 360 radials. The area of any significant water is then measured and subtracted. The resulting area is shown on a Figure at the end of this Exhibit. The population is calculated by the centroid method and is also listed on the Figure. Both authorized and proposed contours are shown.

Table 1: Allocations

Timothy L. Warner, Inc.
Asheville, North Carolina

Allocation Study

Spirit Broadcasting Group, Inc.

REFERENCE		CH# 220C3- 91.9 MHz, Pwr= 25 kw DA, HAAT= 96.0 M, Average Protected F(50-50)= 38.4 km 73.215 Directional						COR= 267 M		DISPLAY DATES	
34 17 01.0 N. 82 10 49.0 W.										DATA 09-24-10 SEARCH 09-24-10	
CH CITY	CALL	TYPE STATE	ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
220C3 WKRI Cokesbury		CP	ZEX SC	0.0 0.0	0.0 BNPED20071015AKW	34 17 01.0 82 10 49.0	25.000 96	73.0 267	23.3 Spirit Broadcasting Group,	-112.4*	-137.3*
219A WLPE Augusta		LIC	NCX GA	163.2 343.4	82.4 BLED20031003ACP	33 34 21.0 81 55 23.0	1.150 180	34.9 282	23.3 Augusta Radio Fellowship I	10.5	1.1
221C3 WWNU« Irmo		LIC	ZCX SC	102.7 283.3	99.7 BMLH20070221AAG	34 04 55.0 81 07 36.0	15.000 130	56.1 218	36.7 Double O South Carolina Co	98.5R	1.2M
221A WLHR-FM Lavonia One Step Application		CP	NCX GA	276.1 95.6	84.2 BPH20100511ACW	34 21 37.0 83 05 26.0	5.000 109	40.6 342	26.4 Lake Hartwell Radio Inc	9.0	2.5
221A WLHR-FM^ Lavonia		LIC	CX GA	277.4 96.8	87.6 BLH20080221ACW	34 22 51.0 83 07 28.0	6.000 100	39.7 334	25.8 Lake Hartwell Radio Inc	13.2	6.5
223C WESC-FM« Greenville		LIC	CY SC	337.7 157.5	102.6 BLH19800811AB	35 08 16.0 82 36 31.0	100.000 610	17.0 1274	102.4 Clear Channel Broadcasting	95.5R	7.1M
06NT W06AP Maggie Valley, Etc.		LI	DHN NC	328.4 147.9	161.4 BLTTV19791109IC	35 31 04.0 83 06 56.0	0.015 402	8.4 1266	85.4 wlos Licensee, LLC	93.7R	67.7M
06NT W06AJ Franklin, Etc.		LI	DHN NC	308.1 127.3	161.9 BLTT19820202JP	35 10 22.0 83 34 53.0	0.467 924	8.4 1646	85.4 wyff Hearst Television In	93.7R	68.1M
220C2 WRCM Wingate		LIC	ZCX NC	57.6 238.4	163.0 BLED20080623AAF	35 03 34.0 80 40 14.0	30.000 151	93.7 353	33.4 Columbia Bible College Bro	29.2	14.9
219A WUGA Athens		LIC	CN GA	247.9 67.3	106.3 BLED19951207KB	33 55 13.0 83 14 46.0	6.000 99	45.1 308	29.2 Georgia Public Telecommuni	23.2	18.1
218C2 WTBI-FM Greenville		LIC	CX SC	338.1 157.9	65.5 BLED20071214ADL	34 49 51.0 82 26 55.0	22.500 128	4.5 414	43.0 Tabernacle Baptist Bible C	22.4	18.5
06 2E WCES-TV Wrens		LI	HN GA	184.9 4.9	114.0 BLEDT20090612ACF	33 15 33.0 82 17 09.0	7.900 429	8.4 544	85.4 Georgia Public Telecommuni	93.7R	20.3M
220A WZZG Toombsboro		LIC	NCX GA	214.0 33.4	161.1 BLED20090304ADN	33 04 37.8 83 08 48.3	2.300 146	74.1 258	24.0 Augusta Radio Fellowship I	48.5	24.1
220C WUOT Knoxville		LIC	CX TN	320.2 139.2	249.5 BLED20050519AGZ	35 59 44.0 83 57 23.0	65.000 534	184.6 839	85.3 University Of Tennessee	28.3	53.0
220C3 NEW Ridgeville		CP	ZVX SC	125.3 306.2	184.5 BNPED20071018AHS	33 18 55.4 80 33 38.7	25.000 92	110.9 124	36.3 Evangelical Broadcasting G	32.7	32.4
222A WAEG« Evans		LIC	CX GA	183.5 3.5	77.1 BLH20090622ADY	33 35 24.5 82 13 52.5	6.000 100	2.7 195	27.3 Perry Broadcasting Of Augu	41.5R	35.6M
217C1 WLTR Columbia		LIC	C SC	98.8 279.5	116.1 BMLED20041208AAT	34 07 07.0 80 56 12.0	100.000 232	8.8 331	66.4 South Carolina Educational	66.0	45.3
219C2 WSGE Dallas		LIC	DCX NC	37.2 217.8	157.4 BLED20060921ADE	35 24 26.0 81 07 48.0	7.500 260	67.2 500	45.4 Gaston College	50.0	50.6
221A WPEH-FM« Louisville		LIC	CX GA	188.0 7.9	142.3 BLH20090811ACD	33 00 48.0 82 23 33.0	6.000 91	38.8 183	25.2 Peach Broadcasting Co., In	88.5R	53.8M

Terrain database is NED 03 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
Contour distances are on direct line to and from reference station. Reference Zone = 2, Co to 3rd adjacent.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
"«"affixed to 'IN' or 'OUT' values = site inside protected contour.

« = Station meets FCC minimum distance spacing for its class.

< = Contour Overlap

^ = Power and antenna height 'Max classed' as per Sec 73.215 protection requirements

Table 2: FMOVER protection of WLPE, Augusta, Georgia

09-24-2010 Terrain Data NED 03 FMOVER Analysis

WKRI.C

WLPE BLED20031003ACP

Channel = 220C3
 Max ERP = 25 kw
 RCAMSL = 267 M
 N. Lat. 34 17 01.0
 W. Lng. 82 10 49.0
 Protected
 60 dBu

Channel = 219A
 Max ERP = 1.15 kw
 RCAMSL = 282.1 M
 N. Lat. 33 34 21.0
 W. Lng. 81 55 23.0
 Interfering
 54 dBu

Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
103.0	025.0000	0109.5	040.6	012.6	001.1500	0122.3	071.5	38.29	
104.0	025.0000	0107.8	040.3	012.4	001.1500	0122.2	070.8	38.50	
105.0	025.0000	0105.6	040.0	012.1	001.1500	0122.1	070.1	38.71	
106.0	025.0000	0104.6	039.8	011.9	001.1500	0122.1	069.4	38.92	
107.0	025.0000	0103.1	039.6	011.7	001.1500	0122.2	068.8	39.13	
108.0	025.0000	0102.9	039.6	011.6	001.1500	0122.2	068.1	39.35	
109.0	025.0000	0103.3	039.6	011.6	001.1500	0122.2	067.4	39.56	
110.0	025.0000	0102.7	039.5	011.4	001.1500	0122.1	066.7	39.77	
111.0	025.0000	0101.5	039.3	011.2	001.1500	0121.9	066.1	39.97	
112.0	025.0000	0101.0	039.3	011.0	001.1500	0121.7	065.4	40.17	
113.0	025.0000	0101.0	039.2	010.9	001.1500	0121.6	064.7	40.37	
114.0	025.0000	0101.3	039.3	010.8	001.1500	0121.5	064.0	40.59	
115.0	025.0000	0101.8	039.4	010.7	001.1500	0121.4	063.4	40.81	
116.0	025.0000	0101.7	039.4	010.6	001.1500	0121.3	062.7	41.03	
117.0	025.0000	0101.2	039.3	010.3	001.1500	0121.1	062.1	41.24	
118.0	025.0000	0101.5	039.3	010.2	001.1500	0121.0	061.4	41.46	
119.0	025.0000	0104.5	039.8	010.4	001.1500	0121.2	060.6	41.76	
120.0	025.0000	0107.3	040.2	010.6	001.1500	0121.3	059.8	42.05	
121.0	025.0000	0110.0	040.6	010.7	001.1500	0121.4	059.0	42.35	
122.0	025.0000	0112.1	040.9	010.7	001.1500	0121.4	058.2	42.64	
123.0	025.0000	0112.5	041.0	010.5	001.1500	0121.3	057.5	42.89	
124.0	025.0000	0112.7	041.0	010.3	001.1500	0121.1	056.9	43.13	
125.0	025.0000	0112.2	041.0	009.9	001.1500	0120.9	056.2	43.36	
126.0	025.0000	0112.0	040.9	009.6	001.1500	0121.2	055.6	43.62	
127.0	025.0000	0109.1	040.5	008.8	001.1500	0123.3	055.2	43.90	
128.0	025.0000	0107.0	040.2	008.2	001.1500	0123.9	054.7	44.11	
129.0	025.0000	0105.9	040.0	007.7	001.1500	0124.5	054.2	44.35	
130.0	025.0000	0104.5	039.8	007.1	001.1500	0126.0	053.7	44.61	
131.0	025.0000	0103.5	039.6	006.5	001.1500	0126.5	053.2	44.83	
132.0	025.0000	0102.8	039.5	006.0	001.1500	0126.3	052.7	45.01	
133.0	025.0000	0102.2	039.4	005.5	001.1500	0127.0	052.2	45.24	
134.0	025.0000	0101.0	039.2	004.9	001.1500	0129.0	051.8	45.51	
135.0	025.0000	0100.4	039.2	004.3	001.1500	0130.7	051.3	45.79	
136.0	025.0000	0099.8	039.0	003.7	001.1500	0131.9	050.9	46.03	
137.0	025.0000	0100.1	039.1	003.2	001.1500	0133.0	050.4	46.29	
138.0	025.0000	0100.8	039.2	002.8	001.1500	0133.5	049.8	46.54	
139.0	025.0000	0099.0	038.9	002.0	001.1500	0132.9	049.5	46.61	
140.0	025.0000	0098.7	038.9	001.3	001.1500	0132.5	049.1	46.75	
141.0	025.0000	0099.7	039.0	000.9	001.1500	0132.5	048.5	46.97	
142.0	025.0000	0100.1	039.1	000.3	001.1500	0132.6	048.1	47.16	
143.0	025.0000	0098.5	038.8	359.5	001.1500	0135.1	047.9	47.37	
144.0	025.0000	0097.7	038.7	358.7	001.1500	0135.6	047.6	47.51	
145.0	025.0000	0097.6	038.7	358.0	001.1500	0136.8	047.2	47.71	
146.0	025.0000	0097.1	038.6	357.3	001.1500	0139.0	046.9	47.95	
147.0	025.0000	0096.6	038.5	356.5	001.1500	0139.7	046.7	48.09	
148.0	025.0000	0095.4	038.3	355.7	001.1500	0138.6	046.5	48.09	
149.0	025.0000	0093.9	038.0	354.8	001.1500	0139.8	046.5	48.18	
150.0	025.0000	0093.6	038.0	354.0	001.1500	0140.8	046.2	48.32	
151.0	025.0000	0093.5	038.0	353.3	001.1500	0142.4	046.0	48.50	
152.0	025.0000	0093.4	037.9	352.5	001.1500	0143.9	045.8	48.68	
153.0	025.0000	0093.0	037.9	351.7	001.1500	0146.0	045.6	48.85	
154.0	025.0000	0093.5	038.0	350.9	001.1500	0147.0	045.3	49.03	

155.0	025.0000	0093.7	038.0	350.2	001.1500	0148.2	045.1	49.18
156.0	025.0000	0094.4	038.1	349.4	001.1500	0149.7	044.8	49.38
157.0	025.0000	0094.1	038.1	348.5	001.1500	0149.3	044.7	49.39
158.0	025.0000	0092.5	037.8	347.6	001.1500	0147.4	044.9	49.23
159.0	025.0000	0092.6	037.8	346.8	001.1500	0147.8	044.8	49.30
160.0	025.0000	0091.9	037.7	346.0	001.1500	0150.1	044.8	49.39
161.0	025.0000	0090.1	037.3	345.1	001.1500	0149.8	045.1	49.26
162.0	025.0000	0089.1	037.2	344.3	001.1500	0150.2	045.2	49.23
163.0	025.0000	0088.6	037.1	343.5	001.1500	0150.1	045.3	49.18
164.0	025.0000	0087.4	036.8	342.7	001.1500	0150.8	045.6	49.13
165.0	025.0000	0085.8	036.5	341.9	001.1500	0150.4	045.9	48.97
166.0	025.0000	0083.8	036.2	341.1	001.1500	0151.3	046.3	48.84
167.0	025.0000	0083.5	036.1	340.4	001.1500	0152.8	046.4	48.87
168.0	025.0000	0083.5	036.1	339.6	001.1500	0154.3	046.5	48.91
169.0	025.0000	0083.7	036.1	338.8	001.1500	0155.7	046.6	48.95
170.0	025.0000	0083.7	036.1	338.1	001.1500	0156.7	046.7	48.95
171.0	025.0000	0084.8	036.4	337.3	001.1500	0158.0	046.6	49.05
172.0	025.0000	0085.8	036.5	336.4	001.1500	0159.9	046.6	49.15
173.0	025.0000	0086.2	036.6	335.7	001.1500	0160.9	046.7	49.16
174.0	025.0000	0086.4	036.7	334.9	001.1500	0161.0	046.9	49.10
175.0	025.0000	0087.2	036.8	334.1	001.1500	0159.0	047.0	48.97
176.0	025.0000	0086.9	036.8	333.4	001.1500	0159.8	047.3	48.89
177.0	025.0000	0087.1	036.8	332.7	001.1500	0160.0	047.5	48.82
178.0	025.0000	0084.5	036.3	332.3	001.1500	0160.3	048.2	48.54
179.0	025.0000	0083.2	036.0	331.8	001.1500	0161.4	048.7	48.40
180.0	025.0000	0082.4	035.9	331.2	001.1500	0162.2	049.2	48.27
181.0	025.0000	0082.2	035.8	330.6	001.1500	0162.5	049.5	48.15
182.0	025.0000	0083.4	036.1	329.8	001.1500	0163.8	049.6	48.17
183.0	025.0000	0084.3	036.3	329.1	001.1500	0163.6	049.8	48.09
184.0	025.0000	0084.9	036.4	328.4	001.1500	0162.6	050.1	47.93
185.0	025.0000	0083.3	036.1	328.1	001.1500	0162.3	050.7	47.67
186.0	025.0000	0082.3	035.9	327.7	001.1500	0162.2	051.3	47.46
187.0	025.0000	0081.3	035.6	327.3	001.1500	0162.3	051.8	47.25
188.0	025.0000	0079.4	035.3	327.0	001.1500	0162.3	052.5	46.99
189.0	025.0000	0078.9	035.2	326.6	001.1500	0162.4	053.0	46.80
190.0	025.0000	0079.1	035.2	326.1	001.1500	0162.7	053.4	46.67
191.0	025.0000	0079.9	035.4	325.5	001.1500	0162.7	053.7	46.55
192.0	025.0000	0080.8	035.6	324.9	001.1500	0161.1	054.0	46.34
193.0	025.0000	0081.1	035.6	324.4	001.1500	0159.6	054.5	46.10
194.0	025.0000	0082.0	035.8	323.9	001.1500	0158.6	054.8	45.92
195.0	025.0000	0082.3	035.9	323.4	001.1500	0157.7	055.3	45.70
196.0	025.0000	0084.9	036.4	322.6	001.1500	0157.4	055.4	45.61
197.0	025.0000	0084.0	036.2	322.4	001.1500	0157.2	056.1	45.37
198.0	025.0000	0083.3	036.1	322.1	001.1500	0157.0	056.7	45.13
199.0	025.0000	0082.0	035.8	322.0	001.1500	0156.9	057.3	44.88
200.0	025.0000	0081.7	035.7	321.7	001.1500	0156.8	057.9	44.67
201.0	025.0000	0082.0	035.8	321.4	001.1500	0157.3	058.4	44.50
202.0	025.0000	0083.4	036.1	320.8	001.1500	0158.3	058.8	44.41
203.0	025.0000	0084.7	036.3	320.3	001.1500	0159.8	059.2	44.32
204.0	025.0000	0087.1	036.8	319.6	001.1500	0160.7	059.6	44.23
205.0	025.0000	0088.7	037.1	319.1	001.1500	0160.5	060.1	44.06
206.0	025.0000	0087.4	036.9	319.1	001.1500	0160.5	060.8	43.81
207.0	025.0000	0086.7	036.7	319.0	001.1500	0160.5	061.4	43.58
208.0	025.0000	0085.7	036.5	319.0	001.1500	0160.5	062.1	43.35
209.0	025.0000	0084.9	036.4	318.9	001.1500	0160.5	062.7	43.12
210.0	025.0000	0086.5	036.7	318.4	001.1500	0160.8	063.2	42.96
211.0	025.0000	0089.1	037.2	317.8	001.1500	0162.2	063.7	42.87
212.0	025.0000	0091.9	037.7	317.2	001.1500	0163.4	064.2	42.77
213.0	025.0000	0094.2	038.1	316.7	001.1500	0163.1	064.7	42.57
214.0	025.0000	0096.2	038.4	316.3	001.1500	0163.2	065.3	42.39
215.0	025.0000	0095.5	038.3	316.3	001.1500	0163.2	066.0	42.16
216.0	025.0000	0093.9	038.0	316.4	001.1500	0163.0	066.7	41.92
217.0	025.0000	0093.3	037.9	316.4	001.1500	0163.1	067.3	41.70
218.0	025.0000	0093.4	038.0	316.3	001.1500	0163.2	068.0	41.49
219.0	025.0000	0095.2	038.3	316.0	001.1500	0164.1	068.6	41.33
220.0	025.0000	0098.1	038.8	315.5	001.1500	0165.1	069.2	41.17
221.0	025.0000	0099.3	039.0	315.3	001.1500	0165.2	069.9	40.96
222.0	025.0000	0100.4	039.2	315.1	001.1500	0165.4	070.6	40.75

09-24-2010 Terrain Data NED 03

WLPE BLED20031003ACP

WKRI.C

Channel = 219A
 Max ERP = 1.15 kw
 RCAMSL = 282.1 M
 N. Lat. 33 34 21.0
 W. Lng. 81 55 23.0
 Protected
 60 dBu

Channel = 220C3
 Max ERP = 25 kw
 RCAMSL = 267 M
 N. Lat. 34 17 01.0
 W. Lng. 82 10 49.0
 Interfering
 54 dBu

Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
283.0	001.1500	0176.1	025.1	180.5	025.0000	0082.4	073.2	48.99	
284.0	001.1500	0174.4	025.0	180.3	025.0000	0082.5	072.8	49.10	
285.0	001.1500	0173.8	024.9	180.2	025.0000	0082.5	072.4	49.22	
286.0	001.1500	0175.6	025.0	180.2	025.0000	0082.5	072.0	49.34	
287.0	001.1500	0180.0	025.3	180.3	025.0000	0082.5	071.5	49.48	
288.0	001.1500	0183.1	025.5	180.4	025.0000	0082.5	071.0	49.61	
289.0	001.1500	0181.6	025.4	180.2	025.0000	0082.5	070.6	49.72	
290.0	001.1500	0179.6	025.3	180.0	025.0000	0082.4	070.2	49.82	
291.0	001.1500	0179.9	025.3	179.9	025.0000	0082.4	069.8	49.94	
292.0	001.1500	0181.7	025.4	179.8	025.0000	0082.4	069.4	50.06	
293.0	001.1500	0182.4	025.4	179.7	025.0000	0082.3	068.9	50.18	
294.0	001.1500	0183.8	025.5	179.6	025.0000	0082.4	068.5	50.31	
295.0	001.1500	0185.0	025.6	179.5	025.0000	0082.5	068.1	50.44	
296.0	001.1500	0187.6	025.7	179.5	025.0000	0082.5	067.6	50.57	
297.0	001.1500	0189.2	025.8	179.4	025.0000	0082.6	067.1	50.71	
298.0	001.1500	0188.1	025.8	179.1	025.0000	0083.0	066.8	50.83	
299.0	001.1500	0184.3	025.6	178.8	025.0000	0083.4	066.5	50.94	
300.0	001.1500	0179.7	025.3	178.4	025.0000	0083.7	066.3	51.02	
301.0	001.1500	0178.4	025.2	178.1	025.0000	0084.1	065.9	51.15	
302.0	001.1500	0177.2	025.1	177.9	025.0000	0084.9	065.6	51.30	
303.0	001.1500	0177.2	025.1	177.6	025.0000	0085.7	065.2	51.45	
304.0	001.1500	0179.1	025.2	177.5	025.0000	0086.1	064.8	51.60	
305.0	001.1500	0177.4	025.1	177.2	025.0000	0086.9	064.5	51.73	
306.0	001.1500	0175.5	025.0	176.9	025.0000	0087.3	064.3	51.84	
307.0	001.1500	0175.7	025.0	176.6	025.0000	0087.3	063.9	51.95	
308.0	001.1500	0173.5	024.9	176.3	025.0000	0087.1	063.7	52.00	
309.0	001.1500	0172.4	024.8	176.0	025.0000	0086.9	063.4	52.07	
310.0	001.1500	0171.8	024.8	175.7	025.0000	0086.9	063.1	52.16	
311.0	001.1500	0171.3	024.8	175.4	025.0000	0086.9	062.8	52.25	
312.0	001.1500	0171.8	024.8	175.1	025.0000	0087.1	062.5	52.36	
313.0	001.1500	0170.9	024.7	174.8	025.0000	0087.3	062.3	52.45	
314.0	001.1500	0167.9	024.5	174.4	025.0000	0086.8	062.1	52.47	
315.0	001.1500	0165.6	024.4	174.0	025.0000	0086.4	062.0	52.49	
316.0	001.1500	0164.1	024.3	173.6	025.0000	0086.5	061.8	52.55	
317.0	001.1500	0163.3	024.2	173.3	025.0000	0086.4	061.6	52.61	
318.0	001.1500	0161.8	024.1	172.9	025.0000	0086.2	061.4	52.65	
319.0	001.1500	0160.5	024.0	172.5	025.0000	0086.0	061.2	52.69	
320.0	001.1500	0160.3	024.0	172.2	025.0000	0085.9	061.0	52.75	
321.0	001.1500	0157.9	023.9	171.8	025.0000	0085.7	061.0	52.77	
322.0	001.1500	0156.9	023.8	171.4	025.0000	0085.3	060.8	52.79	
323.0	001.1500	0157.4	023.8	171.1	025.0000	0084.9	060.6	52.84	
324.0	001.1500	0158.8	023.9	170.8	025.0000	0084.5	060.3	52.90	
325.0	001.1500	0161.4	024.1	170.5	025.0000	0084.0	060.0	52.98	
326.0	001.1500	0162.8	024.2	170.2	025.0000	0083.7	059.7	53.05	
327.0	001.1500	0162.3	024.2	169.8	025.0000	0083.7	059.6	53.09	
328.0	001.1500	0162.3	024.2	169.4	025.0000	0083.8	059.4	53.15	
329.0	001.1500	0163.5	024.3	169.0	025.0000	0083.7	059.2	53.22	
330.0	001.1500	0163.5	024.3	168.7	025.0000	0083.6	059.0	53.26	
331.0	001.1500	0162.2	024.2	168.2	025.0000	0083.5	059.0	53.27	
332.0	001.1500	0160.8	024.1	167.8	025.0000	0083.6	059.0	53.28	
333.0	001.1500	0160.0	024.0	167.4	025.0000	0083.6	058.9	53.31	
334.0	001.1500	0159.0	023.9	167.0	025.0000	0083.5	058.9	53.31	
335.0	001.1500	0161.1	024.1	166.6	025.0000	0083.5	058.6	53.39	
336.0	001.1500	0160.6	024.1	166.2	025.0000	0083.7	058.6	53.42	
337.0	001.1500	0158.7	023.9	165.8	025.0000	0084.0	058.7	53.42	
338.0	001.1500	0156.8	023.8	165.4	025.0000	0084.7	058.7	53.45	

339.0	001.1500	0155.3	023.7	165.0	025.0000	0085.9	058.8	53.52
340.0	001.1500	0153.3	023.6	164.6	025.0000	0086.7	058.9	53.54
341.0	001.1500	0151.6	023.4	164.1	025.0000	0087.2	059.0	53.54
342.0	001.1500	0150.4	023.3	163.8	025.0000	0087.8	059.0	53.56
343.0	001.1500	0150.6	023.4	163.4	025.0000	0088.3	059.0	53.60
344.0	001.1500	0150.2	023.3	163.0	025.0000	0088.6	059.0	53.61
345.0	001.1500	0149.8	023.3	162.6	025.0000	0088.6	059.1	53.60
346.0	001.1500	0150.0	023.3	162.2	025.0000	0088.9	059.1	53.62
347.0	001.1500	0147.5	023.1	161.8	025.0000	0089.5	059.3	53.59
348.0	001.1500	0148.1	023.2	161.4	025.0000	0089.9	059.3	53.62
349.0	001.1500	0149.8	023.3	161.0	025.0000	0090.1	059.2	53.66
350.0	001.1500	0148.5	023.2	160.6	025.0000	0090.6	059.4	53.64
351.0	001.1500	0146.9	023.1	160.3	025.0000	0091.2	059.6	53.62
352.0	001.1500	0145.0	023.0	159.9	025.0000	0092.0	059.8	53.60
353.0	001.1500	0143.0	022.8	159.6	025.0000	0092.3	060.0	53.55
354.0	001.1500	0140.8	022.7	159.2	025.0000	0092.6	060.3	53.48
355.0	001.1500	0139.5	022.6	158.9	025.0000	0092.6	060.5	53.41
356.0	001.1500	0138.7	022.5	158.6	025.0000	0092.5	060.6	53.34
357.0	001.1500	0139.7	022.6	158.2	025.0000	0092.4	060.7	53.32
358.0	001.1500	0136.9	022.4	157.9	025.0000	0092.6	061.0	53.22
359.0	001.1500	0135.7	022.3	157.6	025.0000	0093.1	061.2	53.18
000.0	001.1500	0133.3	022.1	157.3	025.0000	0093.6	061.5	53.11
001.0	001.1500	0132.5	022.1	157.0	025.0000	0094.1	061.7	53.08
002.0	001.1500	0132.9	022.1	156.7	025.0000	0094.6	061.9	53.06
003.0	001.1500	0133.4	022.1	156.3	025.0000	0094.5	062.0	53.02
004.0	001.1500	0131.4	022.0	156.1	025.0000	0094.4	062.3	52.91
005.0	001.1500	0128.5	021.7	155.9	025.0000	0094.4	062.7	52.78
006.0	001.1500	0126.3	021.6	155.6	025.0000	0094.2	063.0	52.67
007.0	001.1500	0126.2	021.6	155.4	025.0000	0093.9	063.2	52.59
008.0	001.1500	0124.1	021.4	155.1	025.0000	0093.8	063.6	52.48
009.0	001.1500	0122.9	021.3	154.9	025.0000	0093.7	063.8	52.38
010.0	001.1500	0120.9	021.2	154.7	025.0000	0093.7	064.2	52.28
011.0	001.1500	0121.7	021.2	154.4	025.0000	0093.8	064.3	52.23
012.0	001.1500	0122.1	021.3	154.1	025.0000	0093.7	064.5	52.17
013.0	001.1500	0122.1	021.3	153.9	025.0000	0093.4	064.8	52.08
014.0	001.1500	0121.8	021.2	153.6	025.0000	0093.2	065.0	51.99
015.0	001.1500	0121.5	021.2	153.4	025.0000	0093.1	065.3	51.91
016.0	001.1500	0121.3	021.2	153.2	025.0000	0093.0	065.6	51.82
017.0	001.1500	0121.3	021.2	152.9	025.0000	0093.0	065.8	51.75
018.0	001.1500	0121.9	021.3	152.7	025.0000	0093.1	066.0	51.68
019.0	001.1500	0123.1	021.3	152.4	025.0000	0093.3	066.2	51.64
020.0	001.1500	0123.6	021.4	152.2	025.0000	0093.4	066.5	51.57
021.0	001.1500	0123.5	021.4	151.9	025.0000	0093.4	066.8	51.49
022.0	001.1500	0126.7	021.6	151.6	025.0000	0093.5	066.9	51.45
023.0	001.1500	0130.1	021.9	151.2	025.0000	0093.5	067.0	51.41
024.0	001.1500	0132.0	022.0	150.9	025.0000	0093.4	067.3	51.35
025.0	001.1500	0131.1	021.9	150.8	025.0000	0093.5	067.6	51.24
026.0	001.1500	0131.2	021.9	150.6	025.0000	0093.6	067.9	51.16
027.0	001.1500	0132.3	022.0	150.3	025.0000	0093.6	068.2	51.08
028.0	001.1500	0134.3	022.2	150.1	025.0000	0093.6	068.4	51.01
029.0	001.1500	0134.3	022.2	149.9	025.0000	0093.6	068.8	50.91
030.0	001.1500	0136.5	022.3	149.6	025.0000	0093.7	069.0	50.85
031.0	001.1500	0137.7	022.4	149.4	025.0000	0093.8	069.3	50.76
032.0	001.1500	0138.6	022.5	149.2	025.0000	0093.8	069.6	50.67
033.0	001.1500	0142.0	022.7	148.9	025.0000	0094.1	069.9	50.62
034.0	001.1500	0141.8	022.7	148.7	025.0000	0094.2	070.2	50.52
035.0	001.1500	0141.5	022.7	148.6	025.0000	0094.3	070.6	50.42
036.0	001.1500	0143.2	022.8	148.4	025.0000	0094.6	070.9	50.34
037.0	001.1500	0144.2	022.9	148.2	025.0000	0094.9	071.3	50.26
038.0	001.1500	0143.4	022.9	148.1	025.0000	0095.1	071.7	50.16
039.0	001.1500	0140.9	022.7	148.2	025.0000	0095.0	072.1	50.03
040.0	001.1500	0142.0	022.8	148.0	025.0000	0095.4	072.5	49.95
041.0	001.1500	0144.5	022.9	147.8	025.0000	0096.0	072.8	49.89
042.0	001.1500	0145.3	023.0	147.6	025.0000	0096.2	073.1	49.80

Table 3: FMOVER Protection of WLHR-FM CP, Lavonia, Georgia

09-24-2010 Terrain Data NED 03 FMOVER Analysis									
WKRI.C				WLHR-FM.C BPH20100511ACW					
Channel = 220C3				Channel = 221A					
Max ERP = 25 kW				Max ERP = 5 kW					
RCAMSL = 267 M				RCAMSL = 342 M					
N. Lat. 34 17 01.0				N. Lat. 34 21 37.0					
W. Lng. 82 10 49.0				W. Lng. 83 05 26.0					
Protected				Interfering					
60 dBu				54 dBu					
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
216.0	025.0000	0093.9	038.0	122.5	005.0000	0087.7	073.0	42.37	
217.0	025.0000	0093.3	037.9	122.4	005.0000	0087.5	072.4	42.54	
218.0	025.0000	0093.4	038.0	122.3	005.0000	0087.5	071.7	42.72	
219.0	025.0000	0095.2	038.3	122.5	005.0000	0087.7	071.0	42.93	
220.0	025.0000	0098.1	038.8	122.9	005.0000	0088.4	070.3	43.18	
221.0	025.0000	0099.3	039.0	123.0	005.0000	0088.7	069.6	43.40	
222.0	025.0000	0100.4	039.2	123.0	005.0000	0088.9	068.9	43.61	
223.0	025.0000	0100.9	039.2	123.0	005.0000	0088.9	068.2	43.81	
224.0	025.0000	0098.6	038.9	122.6	005.0000	0087.8	067.6	43.92	
225.0	025.0000	0099.3	039.0	122.6	005.0000	0087.8	066.9	44.11	
226.0	025.0000	0100.8	039.2	122.6	005.0000	0088.0	066.2	44.33	
227.0	025.0000	0101.2	039.3	122.6	005.0000	0087.8	065.5	44.52	
228.0	025.0000	0100.9	039.2	122.4	005.0000	0087.6	064.8	44.70	
229.0	025.0000	0099.8	039.0	122.0	005.0000	0087.2	064.2	44.85	
230.0	025.0000	0100.0	039.1	121.9	005.0000	0087.0	063.6	45.04	
231.0	025.0000	0098.2	038.8	121.4	005.0000	0086.3	063.0	45.16	
232.0	025.0000	0098.3	038.8	121.2	005.0000	0086.0	062.4	45.34	
233.0	025.0000	0099.7	039.0	121.2	005.0000	0086.0	061.7	45.57	
234.0	025.0000	0099.2	038.9	120.9	005.0000	0085.6	061.1	45.74	
235.0	025.0000	0097.2	038.6	120.4	005.0000	0085.5	060.6	45.89	
236.0	025.0000	0094.9	038.2	119.7	005.0000	0086.1	060.1	46.07	
237.0	025.0000	0093.6	038.0	119.3	005.0000	0086.5	059.7	46.27	
238.0	025.0000	0093.3	037.9	118.9	005.0000	0086.5	059.1	46.46	
239.0	025.0000	0094.4	038.1	118.7	005.0000	0086.5	058.4	46.69	
240.0	025.0000	0095.5	038.3	118.6	005.0000	0086.6	057.7	46.93	
241.0	025.0000	0097.7	038.7	118.5	005.0000	0086.6	057.0	47.21	
242.0	025.0000	0097.5	038.7	118.2	005.0000	0086.7	056.4	47.41	
243.0	025.0000	0097.3	038.6	117.7	005.0000	0086.4	055.9	47.58	
244.0	025.0000	0098.5	038.8	117.5	005.0000	0086.5	055.2	47.83	
245.0	025.0000	0097.3	038.6	116.9	005.0000	0086.3	054.8	47.96	
246.0	025.0000	0094.9	038.2	116.1	005.0000	0086.0	054.5	48.04	
247.0	025.0000	0093.8	038.0	115.5	005.0000	0086.4	054.1	48.21	
248.0	025.0000	0093.9	038.0	115.1	005.0000	0086.5	053.6	48.40	
249.0	025.0000	0095.2	038.3	114.7	005.0000	0086.5	053.0	48.63	
250.0	025.0000	0094.1	038.1	114.1	005.0000	0086.4	052.7	48.75	
251.0	025.0000	0093.7	038.0	113.5	005.0000	0086.4	052.3	48.89	
252.0	025.0000	0093.4	037.9	112.9	005.0000	0086.4	051.9	49.04	
253.0	025.0000	0093.8	038.0	112.4	005.0000	0086.3	051.4	49.21	
254.0	025.0000	0093.0	037.9	111.7	005.0000	0086.4	051.1	49.33	
255.0	025.0000	0091.4	037.6	110.9	005.0000	0087.1	050.9	49.45	
256.0	025.0000	0089.4	037.2	110.1	005.0000	0087.5	050.8	49.52	
257.0	025.0000	0089.1	037.2	109.4	005.0000	0088.7	050.5	49.73	
258.0	025.0000	0089.6	037.3	108.9	005.0000	0090.6	050.1	50.04	
259.0	025.0000	0088.8	037.1	108.1	005.0000	0092.4	049.9	50.26	
260.0	025.0000	0087.6	036.9	107.4	005.0000	0094.0	049.8	50.43	
261.0	025.0000	0084.6	036.3	106.4	005.0000	0094.5	050.0	50.38	
262.0	025.0000	0083.1	036.0	105.6	005.0000	0094.9	050.0	50.42	
263.0	025.0000	0083.3	036.1	105.0	005.0000	0095.9	049.7	50.60	
264.0	025.0000	0082.2	035.8	104.2	005.0000	0095.4	049.7	50.57	
265.0	025.0000	0080.2	035.4	103.4	005.0000	0096.5	049.8	50.60	
266.0	025.0000	0079.5	035.3	102.6	005.0000	0097.0	049.8	50.66	

267.0	025.0000	0079.0	035.2	101.9	005.0000	0097.7	049.7	50.73
268.0	025.0000	0077.8	035.0	101.2	005.0000	0098.3	049.8	50.75
269.0	025.0000	0077.4	034.9	100.4	005.0000	0098.0	049.8	50.75
270.0	025.0000	0077.3	034.8	099.8	005.0000	0097.1	049.7	50.71
271.0	025.0000	0078.3	035.1	099.1	005.0000	0096.4	049.4	50.77
272.0	025.0000	0078.8	035.2	098.4	005.0000	0096.1	049.2	50.82
273.0	025.0000	0077.9	035.0	097.7	005.0000	0095.5	049.3	50.72
274.0	025.0000	0077.4	034.9	096.9	005.0000	0094.8	049.4	50.64
275.0	025.0000	0076.3	034.6	096.2	005.0000	0094.7	049.6	50.55
276.0	025.0000	0076.5	034.7	095.5	005.0000	0094.1	049.5	50.53
277.0	025.0000	0076.6	034.7	094.8	005.0000	0092.5	049.5	50.41
278.0	025.0000	0076.0	034.6	094.1	005.0000	0091.3	049.7	50.25
279.0	025.0000	0075.5	034.5	093.4	005.0000	0091.3	049.8	50.19
280.0	025.0000	0075.6	034.5	092.8	005.0000	0092.2	049.9	50.26
281.0	025.0000	0075.0	034.4	092.1	005.0000	0094.0	050.1	50.32
282.0	025.0000	0074.4	034.2	091.4	005.0000	0095.5	050.3	50.35
283.0	025.0000	0073.9	034.1	090.8	005.0000	0096.7	050.5	50.37
284.0	025.0000	0072.8	033.9	090.2	005.0000	0097.5	050.9	50.29
285.0	025.0000	0073.3	034.0	089.5	005.0000	0097.9	050.9	50.31
286.0	025.0000	0073.5	034.0	088.9	005.0000	0098.2	051.0	50.28
287.0	025.0000	0076.1	034.6	088.0	005.0000	0098.6	050.7	50.44
288.0	025.0000	0077.4	034.9	087.3	005.0000	0098.2	050.6	50.44
289.0	025.0000	0076.7	034.7	086.7	005.0000	0099.0	051.0	50.36
290.0	025.0000	0075.4	034.5	086.2	005.0000	0099.4	051.5	50.21
291.0	025.0000	0074.2	034.2	085.7	005.0000	0099.9	051.9	50.06
292.0	025.0000	0074.1	034.2	085.1	005.0000	0100.7	052.2	50.01
293.0	025.0000	0075.2	034.4	084.4	005.0000	0102.4	052.3	50.11
294.0	025.0000	0075.7	034.5	083.8	005.0000	0103.4	052.5	50.10
295.0	025.0000	0076.5	034.7	083.1	005.0000	0103.7	052.6	50.06
296.0	025.0000	0076.6	034.7	082.5	005.0000	0104.3	053.0	49.98
297.0	025.0000	0077.3	034.9	081.9	005.0000	0104.6	053.2	49.92
298.0	025.0000	0077.6	034.9	081.3	005.0000	0104.3	053.5	49.79
299.0	025.0000	0077.0	034.8	080.9	005.0000	0103.7	053.9	49.57
300.0	025.0000	0076.3	034.6	080.5	005.0000	0102.8	054.4	49.32
301.0	025.0000	0075.6	034.5	080.1	005.0000	0101.8	054.9	49.06
302.0	025.0000	0074.8	034.3	079.7	005.0000	0101.0	055.4	48.81
303.0	025.0000	0073.9	034.1	079.4	005.0000	0100.9	056.0	48.59
304.0	025.0000	0074.6	034.3	078.9	005.0000	0101.1	056.3	48.49
305.0	025.0000	0077.6	034.9	078.0	005.0000	0100.8	056.3	48.47
306.0	025.0000	0078.1	035.0	077.5	005.0000	0099.4	056.7	48.24
307.0	025.0000	0079.8	035.3	076.8	005.0000	0098.4	056.9	48.08
308.0	025.0000	0080.0	035.4	076.4	005.0000	0098.3	057.4	47.91
309.0	025.0000	0080.6	035.5	075.9	005.0000	0098.3	057.8	47.76
310.0	025.0000	0082.0	035.8	075.3	005.0000	0097.4	058.1	47.58
311.0	025.0000	0082.9	036.0	074.8	005.0000	0096.8	058.5	47.39
312.0	025.0000	0081.6	035.7	074.7	005.0000	0096.7	059.2	47.15
313.0	025.0000	0082.3	035.9	074.2	005.0000	0096.7	059.6	46.99
314.0	025.0000	0085.4	036.5	073.4	005.0000	0095.8	059.9	46.84
315.0	025.0000	0087.2	036.8	072.8	005.0000	0095.4	060.2	46.68
316.0	025.0000	0085.3	036.4	072.9	005.0000	0095.4	061.0	46.43
317.0	025.0000	0084.2	036.2	072.8	005.0000	0095.3	061.6	46.20
318.0	025.0000	0086.0	036.6	072.2	005.0000	0095.1	062.1	46.05
319.0	025.0000	0084.5	036.3	072.2	005.0000	0095.1	062.8	45.82
320.0	025.0000	0085.7	036.5	071.8	005.0000	0094.0	063.3	45.60
321.0	025.0000	0087.6	036.9	071.3	005.0000	0093.5	063.7	45.42
322.0	025.0000	0089.8	037.3	070.7	005.0000	0092.7	064.2	45.22
323.0	025.0000	0092.8	037.8	070.1	005.0000	0092.1	064.6	45.05
324.0	025.0000	0093.2	037.9	069.9	005.0000	0092.1	065.2	44.87
325.0	025.0000	0093.2	037.9	069.7	005.0000	0092.1	065.9	44.68
326.0	025.0000	0094.6	038.2	069.4	005.0000	0091.9	066.5	44.50
327.0	025.0000	0095.5	038.3	069.1	005.0000	0091.2	067.1	44.28
328.0	025.0000	0095.8	038.4	068.9	005.0000	0090.7	067.7	44.06
329.0	025.0000	0099.2	038.9	068.3	005.0000	0089.4	068.3	43.81
330.0	025.0000	0100.5	039.2	068.1	005.0000	0088.8	068.9	43.60
331.0	025.0000	0101.6	039.3	067.8	005.0000	0088.3	069.6	43.38
332.0	025.0000	0098.6	038.8	068.2	005.0000	0089.0	070.3	43.21
333.0	025.0000	0095.9	038.4	068.5	005.0000	0089.7	071.0	43.05
334.0	025.0000	0094.2	038.1	068.7	005.0000	0090.2	071.7	42.88
335.0	025.0000	0095.6	038.3	068.4	005.0000	0089.6	072.3	42.66

09-24-2010 Terrain Data NED 03

WLHR-FM.C BPH20100511ACW

WKRI.C

Channel = 221A
 Max ERP = 5 kw
 RCAMSL = 342 M
 N. Lat. 34 21 37.0
 W. Lng. 83 05 26.0
 Protected
 60 dBu

Channel = 220C3
 Max ERP = 25 kw
 RCAMSL = 267 M
 N. Lat. 34 17 01.0
 W. Lng. 82 10 49.0
 Interfering
 54 dBu

Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
036.0	005.0000	0111.0	028.5	295.5	025.0000	0076.7	074.0	48.45	
037.0	005.0000	0111.3	028.5	295.5	025.0000	0076.7	073.5	48.59	
038.0	005.0000	0109.2	028.3	295.2	025.0000	0076.7	073.1	48.70	
039.0	005.0000	0108.2	028.2	295.0	025.0000	0076.5	072.6	48.81	
040.0	005.0000	0107.4	028.1	294.9	025.0000	0076.4	072.2	48.92	
041.0	005.0000	0106.1	027.9	294.6	025.0000	0076.1	071.7	49.02	
042.0	005.0000	0105.6	027.9	294.5	025.0000	0076.0	071.3	49.14	
043.0	005.0000	0105.3	027.8	294.3	025.0000	0075.8	070.9	49.25	
044.0	005.0000	0104.1	027.7	294.1	025.0000	0075.6	070.4	49.35	
045.0	005.0000	0103.5	027.6	293.9	025.0000	0075.7	070.0	49.47	
046.0	005.0000	0101.2	027.3	293.5	025.0000	0075.9	069.7	49.57	
047.0	005.0000	0098.2	026.9	293.1	025.0000	0075.3	069.4	49.61	
048.0	005.0000	0096.8	026.8	292.8	025.0000	0074.7	069.1	49.67	
049.0	005.0000	0097.8	026.9	292.7	025.0000	0074.6	068.6	49.79	
050.0	005.0000	0097.4	026.8	292.5	025.0000	0074.4	068.2	49.88	
051.0	005.0000	0096.5	026.7	292.2	025.0000	0074.2	067.8	49.97	
052.0	005.0000	0093.8	026.4	291.7	025.0000	0073.8	067.6	50.00	
053.0	005.0000	0093.6	026.3	291.5	025.0000	0073.8	067.2	50.11	
054.0	005.0000	0094.6	026.5	291.4	025.0000	0073.9	066.8	50.24	
055.0	005.0000	0093.3	026.3	291.1	025.0000	0074.2	066.5	50.34	
056.0	005.0000	0092.2	026.1	290.7	025.0000	0074.5	066.2	50.44	
057.0	005.0000	0090.2	025.9	290.3	025.0000	0075.1	066.0	50.53	
058.0	005.0000	0086.1	025.3	289.7	025.0000	0076.0	066.0	50.59	
059.0	005.0000	0084.1	025.0	289.2	025.0000	0076.5	065.8	50.67	
060.0	005.0000	0082.8	024.9	288.9	025.0000	0076.9	065.6	50.76	
061.0	005.0000	0083.4	024.9	288.7	025.0000	0077.1	065.2	50.88	
062.0	005.0000	0084.1	025.0	288.5	025.0000	0077.3	064.9	51.00	
063.0	005.0000	0084.3	025.1	288.2	025.0000	0077.4	064.5	51.10	
064.0	005.0000	0083.2	024.9	287.8	025.0000	0077.2	064.3	51.14	
065.0	005.0000	0083.8	025.0	287.6	025.0000	0077.1	064.0	51.23	
066.0	005.0000	0085.6	025.2	287.4	025.0000	0077.0	063.5	51.36	
067.0	005.0000	0087.2	025.5	287.3	025.0000	0076.7	063.1	51.48	
068.0	005.0000	0088.6	025.7	287.1	025.0000	0076.3	062.6	51.58	
069.0	005.0000	0091.0	026.0	286.9	025.0000	0075.8	062.1	51.70	
070.0	005.0000	0092.1	026.1	286.7	025.0000	0074.9	061.7	51.76	
071.0	005.0000	0093.1	026.3	286.4	025.0000	0074.1	061.3	51.81	
072.0	005.0000	0094.6	026.5	286.1	025.0000	0073.6	060.9	51.91	
073.0	005.0000	0095.6	026.6	285.8	025.0000	0073.4	060.5	52.01	
074.0	005.0000	0096.5	026.7	285.5	025.0000	0073.4	060.2	52.12	
075.0	005.0000	0097.0	026.8	285.2	025.0000	0073.3	059.9	52.20	
076.0	005.0000	0098.4	027.0	284.9	025.0000	0073.2	059.5	52.31	
077.0	005.0000	0098.5	027.0	284.5	025.0000	0072.8	059.3	52.36	
078.0	005.0000	0100.8	027.3	284.2	025.0000	0072.7	058.8	52.51	
079.0	005.0000	0101.1	027.3	283.8	025.0000	0073.0	058.6	52.60	
080.0	005.0000	0101.6	027.4	283.4	025.0000	0073.4	058.3	52.72	
081.0	005.0000	0103.9	027.6	283.0	025.0000	0073.9	057.9	52.90	
082.0	005.0000	0104.6	027.7	282.6	025.0000	0074.1	057.6	53.00	
083.0	005.0000	0103.8	027.6	282.1	025.0000	0074.3	057.6	53.04	
084.0	005.0000	0103.1	027.6	281.6	025.0000	0074.5	057.5	53.08	
085.0	005.0000	0101.0	027.3	281.1	025.0000	0074.9	057.6	53.07	
086.0	005.0000	0099.6	027.1	280.6	025.0000	0075.2	057.7	53.08	
087.0	005.0000	0098.5	027.0	280.1	025.0000	0075.6	057.7	53.10	
088.0	005.0000	0098.6	027.0	279.7	025.0000	0075.5	057.6	53.13	
089.0	005.0000	0098.1	026.9	279.2	025.0000	0075.5	057.6	53.13	
090.0	005.0000	0097.6	026.9	278.7	025.0000	0075.6	057.6	53.14	
091.0	005.0000	0096.3	026.7	278.2	025.0000	0075.9	057.7	53.13	

092.0	005.0000	0094.2	026.4	277.7	025.0000	0076.1	057.9	53.07
093.0	005.0000	0091.7	026.1	277.3	025.0000	0076.3	058.2	52.99
094.0	005.0000	0091.2	026.0	276.8	025.0000	0076.9	058.2	53.02
095.0	005.0000	0092.9	026.2	276.4	025.0000	0076.7	058.0	53.09
096.0	005.0000	0094.7	026.5	275.9	025.0000	0076.5	057.8	53.15
097.0	005.0000	0094.8	026.5	275.4	025.0000	0076.3	057.7	53.13
098.0	005.0000	0095.9	026.6	275.0	025.0000	0076.3	057.6	53.18
099.0	005.0000	0096.3	026.7	274.5	025.0000	0076.7	057.6	53.22
100.0	005.0000	0097.4	026.8	274.0	025.0000	0077.4	057.5	53.30
101.0	005.0000	0098.2	026.9	273.5	025.0000	0077.9	057.5	53.36
102.0	005.0000	0097.5	026.8	273.1	025.0000	0077.9	057.6	53.30
103.0	005.0000	0096.9	026.8	272.7	025.0000	0078.2	057.8	53.27
104.0	005.0000	0095.6	026.6	272.2	025.0000	0078.7	058.0	53.22
105.0	005.0000	0095.9	026.6	271.8	025.0000	0079.0	058.1	53.22
106.0	005.0000	0094.6	026.5	271.4	025.0000	0078.8	058.4	53.11
107.0	005.0000	0094.3	026.4	270.9	025.0000	0078.3	058.6	53.02
108.0	005.0000	0092.6	026.2	270.6	025.0000	0077.7	058.9	52.86
109.0	005.0000	0090.1	025.9	270.3	025.0000	0077.4	059.4	52.68
110.0	005.0000	0087.6	025.5	270.0	025.0000	0077.2	059.8	52.52
111.0	005.0000	0087.0	025.4	269.6	025.0000	0077.1	060.1	52.43
112.0	005.0000	0086.4	025.4	269.2	025.0000	0077.3	060.3	52.36
113.0	005.0000	0086.4	025.3	268.9	025.0000	0077.5	060.5	52.32
114.0	005.0000	0086.4	025.4	268.5	025.0000	0077.6	060.7	52.27
115.0	005.0000	0086.5	025.4	268.1	025.0000	0077.8	060.9	52.23
116.0	005.0000	0086.1	025.3	267.8	025.0000	0078.2	061.1	52.17
117.0	005.0000	0086.4	025.4	267.4	025.0000	0078.6	061.3	52.15
118.0	005.0000	0086.5	025.4	267.0	025.0000	0079.0	061.5	52.11
119.0	005.0000	0086.6	025.4	266.6	025.0000	0079.2	061.8	52.05
120.0	005.0000	0085.9	025.3	266.4	025.0000	0079.5	062.1	51.97
121.0	005.0000	0085.7	025.3	266.0	025.0000	0079.5	062.4	51.89
122.0	005.0000	0087.2	025.5	265.6	025.0000	0079.5	062.4	51.86
123.0	005.0000	0088.8	025.7	265.1	025.0000	0080.0	062.5	51.86
124.0	005.0000	0091.3	026.0	264.6	025.0000	0081.2	062.6	51.94
125.0	005.0000	0091.2	026.0	264.3	025.0000	0081.8	062.9	51.89
126.0	005.0000	0090.6	025.9	264.1	025.0000	0082.1	063.2	51.80
127.0	005.0000	0090.4	025.9	263.8	025.0000	0082.5	063.6	51.73
128.0	005.0000	0091.1	026.0	263.4	025.0000	0082.9	063.8	51.68
129.0	005.0000	0093.3	026.3	262.9	025.0000	0083.4	063.9	51.68
130.0	005.0000	0095.7	026.6	262.4	025.0000	0083.2	064.1	51.63
131.0	005.0000	0098.3	026.9	261.9	025.0000	0083.2	064.2	51.59
132.0	005.0000	0100.1	027.2	261.5	025.0000	0083.7	064.4	51.56
133.0	005.0000	0097.5	026.8	261.5	025.0000	0083.7	065.0	51.40
134.0	005.0000	0096.3	026.7	261.3	025.0000	0084.0	065.4	51.28
135.0	005.0000	0094.6	026.5	261.3	025.0000	0084.1	065.9	51.14
136.0	005.0000	0093.5	026.3	261.1	025.0000	0084.3	066.4	51.03
137.0	005.0000	0092.0	026.1	261.0	025.0000	0084.5	066.9	50.89
138.0	005.0000	0090.6	025.9	261.0	025.0000	0084.6	067.4	50.77
139.0	005.0000	0091.1	026.0	260.7	025.0000	0085.3	067.7	50.71
140.0	005.0000	0091.8	026.1	260.5	025.0000	0086.1	068.1	50.66
141.0	005.0000	0092.5	026.2	260.2	025.0000	0086.9	068.4	50.61
142.0	005.0000	0093.9	026.4	259.9	025.0000	0088.0	068.7	50.58
143.0	005.0000	0094.2	026.4	259.7	025.0000	0088.4	069.1	50.50
144.0	005.0000	0093.5	026.3	259.6	025.0000	0088.5	069.6	50.37
145.0	005.0000	0094.9	026.5	259.3	025.0000	0088.8	069.9	50.29
146.0	005.0000	0093.5	026.3	259.3	025.0000	0088.8	070.4	50.15
147.0	005.0000	0093.1	026.3	259.2	025.0000	0088.8	070.9	50.02
148.0	005.0000	0093.1	026.3	259.0	025.0000	0088.8	071.3	49.90
149.0	005.0000	0092.0	026.1	259.0	025.0000	0088.8	071.8	49.77
150.0	005.0000	0089.6	025.8	259.1	025.0000	0088.8	072.3	49.61
151.0	005.0000	0088.9	025.7	259.1	025.0000	0088.8	072.8	49.49
152.0	005.0000	0088.0	025.6	259.1	025.0000	0088.8	073.2	49.36
153.0	005.0000	0087.1	025.5	259.1	025.0000	0088.8	073.7	49.23
154.0	005.0000	0087.0	025.4	259.0	025.0000	0088.8	074.1	49.11
155.0	005.0000	0087.3	025.5	258.9	025.0000	0088.9	074.6	48.99

Table 4: FMOVER Protection of WLHR-FM (Licensed), Lavonia, Georgia

09-24-2010 Terrain Data NED 03 FMOVER Analysis									
WKRI.C				WLHR-FM BLH20080221ACW (^ Max Class Parameters)					
Channel = 220C3				Channel = 221A					
Max ERP = 25 kW				Max ERP = 6 kW					
RCAMSL = 267 M				RCAMSL = 333.9 M					
N. Lat. 34 17 01.0				N. Lat. 34 22 51.0					
W. Lng. 82 10 49.0				W. Lng. 83 07 28.0					
Protected 60 dBu				Interfering 54 dBu					
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
217.0	025.0000	0093.3	037.9	122.6	006.0000	0066.4	076.2	41.07	
218.0	025.0000	0093.4	038.0	122.5	006.0000	0066.3	075.6	41.23	
219.0	025.0000	0095.2	038.3	122.7	006.0000	0066.5	074.9	41.42	
220.0	025.0000	0098.1	038.8	123.0	006.0000	0066.8	074.1	41.63	
221.0	025.0000	0099.3	039.0	123.1	006.0000	0066.9	073.4	41.81	
222.0	025.0000	0100.4	039.2	123.2	006.0000	0066.9	072.7	42.00	
223.0	025.0000	0100.9	039.2	123.2	006.0000	0066.9	072.0	42.18	
224.0	025.0000	0098.6	038.9	122.8	006.0000	0066.6	071.4	42.32	
225.0	025.0000	0099.3	039.0	122.8	006.0000	0066.6	070.7	42.50	
226.0	025.0000	0100.8	039.2	122.8	006.0000	0066.7	070.0	42.69	
227.0	025.0000	0101.2	039.3	122.8	006.0000	0066.6	069.3	42.87	
228.0	025.0000	0100.9	039.2	122.6	006.0000	0066.4	068.7	43.02	
229.0	025.0000	0099.8	039.0	122.3	006.0000	0066.0	068.1	43.16	
230.0	025.0000	0100.0	039.1	122.1	006.0000	0065.8	067.4	43.32	
231.0	025.0000	0098.2	038.8	121.7	006.0000	0065.5	066.9	43.45	
232.0	025.0000	0098.3	038.8	121.5	006.0000	0065.5	066.2	43.62	
233.0	025.0000	0099.7	039.0	121.5	006.0000	0065.5	065.5	43.81	
234.0	025.0000	0099.2	038.9	121.2	006.0000	0065.3	064.9	43.96	
235.0	025.0000	0097.2	038.6	120.7	006.0000	0065.1	064.4	44.07	
236.0	025.0000	0094.9	038.2	120.1	006.0000	0064.8	064.0	44.17	
237.0	025.0000	0093.6	038.0	119.7	006.0000	0064.8	063.5	44.30	
238.0	025.0000	0093.3	037.9	119.3	006.0000	0064.8	062.9	44.46	
239.0	025.0000	0094.4	038.1	119.2	006.0000	0064.9	062.2	44.66	
240.0	025.0000	0095.5	038.3	119.0	006.0000	0065.1	061.6	44.87	
241.0	025.0000	0097.7	038.7	119.0	006.0000	0065.1	060.8	45.10	
242.0	025.0000	0097.5	038.7	118.7	006.0000	0065.4	060.2	45.29	
243.0	025.0000	0097.3	038.6	118.3	006.0000	0065.4	059.7	45.45	
244.0	025.0000	0098.5	038.8	118.1	006.0000	0065.5	059.0	45.67	
245.0	025.0000	0097.3	038.6	117.5	006.0000	0065.9	058.6	45.82	
246.0	025.0000	0094.9	038.2	116.8	006.0000	0067.0	058.3	46.00	
247.0	025.0000	0093.8	038.0	116.2	006.0000	0067.9	057.9	46.20	
248.0	025.0000	0093.9	038.0	115.8	006.0000	0068.4	057.4	46.41	
249.0	025.0000	0095.2	038.3	115.5	006.0000	0068.8	056.8	46.65	
250.0	025.0000	0094.1	038.1	114.9	006.0000	0070.1	056.4	46.87	
251.0	025.0000	0093.7	038.0	114.4	006.0000	0070.3	056.0	47.03	
252.0	025.0000	0093.4	037.9	113.8	006.0000	0070.1	055.6	47.15	
253.0	025.0000	0093.8	038.0	113.4	006.0000	0070.3	055.1	47.32	
254.0	025.0000	0093.0	037.9	112.7	006.0000	0070.6	054.8	47.46	
255.0	025.0000	0091.4	037.6	112.0	006.0000	0071.3	054.6	47.58	
256.0	025.0000	0089.4	037.2	111.2	006.0000	0070.8	054.5	47.57	
257.0	025.0000	0089.1	037.2	110.6	006.0000	0071.3	054.2	47.72	
258.0	025.0000	0089.6	037.3	110.1	006.0000	0071.8	053.8	47.91	
259.0	025.0000	0088.8	037.1	109.4	006.0000	0074.2	053.6	48.20	
260.0	025.0000	0087.6	036.9	108.7	006.0000	0075.0	053.4	48.30	
261.0	025.0000	0084.6	036.3	107.8	006.0000	0074.1	053.6	48.16	
262.0	025.0000	0083.1	036.0	107.1	006.0000	0075.5	053.6	48.28	
263.0	025.0000	0083.3	036.1	106.5	006.0000	0075.3	053.3	48.37	
264.0	025.0000	0082.2	035.8	105.7	006.0000	0074.7	053.3	48.34	
265.0	025.0000	0080.2	035.4	105.0	006.0000	0074.1	053.4	48.23	
266.0	025.0000	0079.5	035.3	104.3	006.0000	0074.5	053.4	48.29	
267.0	025.0000	0079.0	035.2	103.6	006.0000	0075.3	053.3	48.39	

268.0	025.0000	0077.8	035.0	102.9	006.0000	0077.5	053.3	48.56
269.0	025.0000	0077.4	034.9	102.2	006.0000	0078.5	053.3	48.66
270.0	025.0000	0077.3	034.8	101.6	006.0000	0079.9	053.2	48.82
271.0	025.0000	0078.3	035.1	101.0	006.0000	0080.7	052.8	49.01
272.0	025.0000	0078.8	035.2	100.4	006.0000	0081.3	052.6	49.13
273.0	025.0000	0077.9	035.0	099.7	006.0000	0082.0	052.7	49.16
274.0	025.0000	0077.4	034.9	099.0	006.0000	0082.3	052.8	49.17
275.0	025.0000	0076.3	034.6	098.3	006.0000	0082.0	053.0	49.07
276.0	025.0000	0076.5	034.7	097.7	006.0000	0082.1	052.9	49.11
277.0	025.0000	0076.6	034.7	097.0	006.0000	0082.5	052.8	49.15
278.0	025.0000	0076.0	034.6	096.3	006.0000	0081.8	053.0	49.05
279.0	025.0000	0075.5	034.5	095.7	006.0000	0081.8	053.1	49.00
280.0	025.0000	0075.6	034.5	095.0	006.0000	0083.2	053.1	49.11
281.0	025.0000	0075.0	034.4	094.4	006.0000	0085.0	053.3	49.20
282.0	025.0000	0074.4	034.2	093.8	006.0000	0085.8	053.5	49.19
283.0	025.0000	0073.9	034.1	093.2	006.0000	0085.6	053.7	49.11
284.0	025.0000	0072.8	033.9	092.6	006.0000	0084.9	054.0	48.92
285.0	025.0000	0073.3	034.0	091.9	006.0000	0083.5	054.0	48.81
286.0	025.0000	0073.5	034.0	091.3	006.0000	0082.9	054.2	48.72
287.0	025.0000	0076.1	034.6	090.6	006.0000	0081.9	053.8	48.77
288.0	025.0000	0077.4	034.9	089.8	006.0000	0081.6	053.7	48.78
289.0	025.0000	0076.7	034.7	089.3	006.0000	0081.3	054.0	48.64
290.0	025.0000	0075.4	034.5	088.8	006.0000	0081.0	054.5	48.45
291.0	025.0000	0074.2	034.2	088.3	006.0000	0081.0	054.9	48.29
292.0	025.0000	0074.1	034.2	087.7	006.0000	0081.2	055.2	48.21
293.0	025.0000	0075.2	034.4	087.1	006.0000	0082.3	055.2	48.29
294.0	025.0000	0075.7	034.5	086.5	006.0000	0082.2	055.4	48.22
295.0	025.0000	0076.5	034.7	085.8	006.0000	0081.9	055.5	48.15
296.0	025.0000	0076.6	034.7	085.3	006.0000	0081.7	055.8	48.03
297.0	025.0000	0077.3	034.9	084.6	006.0000	0081.0	056.0	47.91
298.0	025.0000	0077.6	034.9	084.1	006.0000	0080.9	056.3	47.81
299.0	025.0000	0077.0	034.8	083.6	006.0000	0080.4	056.7	47.62
300.0	025.0000	0076.3	034.6	083.2	006.0000	0079.7	057.2	47.40
301.0	025.0000	0075.6	034.5	082.8	006.0000	0079.8	057.7	47.24
302.0	025.0000	0074.8	034.3	082.5	006.0000	0080.0	058.2	47.08
303.0	025.0000	0073.9	034.1	082.2	006.0000	0080.1	058.7	46.91
304.0	025.0000	0074.6	034.3	081.6	006.0000	0080.4	059.0	46.84
305.0	025.0000	0077.6	034.9	080.8	006.0000	0079.8	058.9	46.81
306.0	025.0000	0078.1	035.0	080.3	006.0000	0079.7	059.3	46.68
307.0	025.0000	0079.8	035.3	079.6	006.0000	0080.1	059.5	46.64
308.0	025.0000	0080.0	035.4	079.2	006.0000	0080.1	059.9	46.51
309.0	025.0000	0080.6	035.5	078.7	006.0000	0080.7	060.3	46.43
310.0	025.0000	0082.0	035.8	078.1	006.0000	0081.7	060.6	46.40
311.0	025.0000	0082.9	036.0	077.6	006.0000	0082.4	061.0	46.32
312.0	025.0000	0081.6	035.7	077.5	006.0000	0082.5	061.6	46.12
313.0	025.0000	0082.3	035.9	077.0	006.0000	0082.7	062.1	46.00
314.0	025.0000	0085.4	036.5	076.2	006.0000	0081.8	062.3	45.88
315.0	025.0000	0087.2	036.8	075.7	006.0000	0081.9	062.6	45.77
316.0	025.0000	0085.3	036.4	075.7	006.0000	0081.9	063.4	45.55
317.0	025.0000	0084.2	036.2	075.5	006.0000	0081.9	064.0	45.36
318.0	025.0000	0086.0	036.6	075.0	006.0000	0081.4	064.4	45.21
319.0	025.0000	0084.5	036.3	075.0	006.0000	0081.3	065.1	45.00
320.0	025.0000	0085.7	036.5	074.5	006.0000	0080.6	065.6	44.82
321.0	025.0000	0087.6	036.9	074.0	006.0000	0080.3	066.0	44.68
322.0	025.0000	0089.8	037.3	073.5	006.0000	0081.1	066.4	44.61
323.0	025.0000	0092.8	037.8	072.8	006.0000	0082.2	066.9	44.56
324.0	025.0000	0093.2	037.9	072.6	006.0000	0082.6	067.5	44.41
325.0	025.0000	0093.2	037.9	072.4	006.0000	0082.9	068.1	44.26
326.0	025.0000	0094.6	038.2	072.0	006.0000	0083.7	068.6	44.15
327.0	025.0000	0095.5	038.3	071.8	006.0000	0084.5	069.2	44.03
328.0	025.0000	0095.8	038.4	071.6	006.0000	0085.1	069.9	43.89
329.0	025.0000	0099.2	038.9	071.0	006.0000	0086.4	070.4	43.82
330.0	025.0000	0100.5	039.2	070.7	006.0000	0086.7	071.0	43.66
331.0	025.0000	0101.6	039.3	070.5	006.0000	0087.0	071.7	43.50
332.0	025.0000	0098.6	038.8	070.8	006.0000	0086.7	072.4	43.27
333.0	025.0000	0095.9	038.4	071.0	006.0000	0086.3	073.1	43.04
334.0	025.0000	0094.2	038.1	071.2	006.0000	0086.1	073.9	42.83
335.0	025.0000	0095.6	038.3	070.9	006.0000	0086.5	074.5	42.68
336.0	025.0000	0097.5	038.7	070.6	006.0000	0086.8	075.1	42.52

09-24-2010 Terrain Data NED 03

WLHR-FM BLH20080221ACW
 (^ Max Class Parameters)
 Channel = 221A
 Max ERP = 6 kw
 RCAMSL = 333.9 M
 N. Lat. 34 22 51.0
 W. Lng. 83 07 28.0
 Protected
 60 dBu

WKRI.C
 Channel = 220C3
 Max ERP = 25 kw
 RCAMSL = 267 M
 N. Lat. 34 17 01.0
 W. Lng. 82 10 49.0
 Interfering
 54 dBu

Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kw)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
037.0	006.0000	0102.3	028.6	296.1	025.0000	0076.6	077.3	47.56	
038.0	006.0000	0102.5	028.6	296.1	025.0000	0076.6	076.8	47.70	
039.0	006.0000	0103.0	028.7	296.0	025.0000	0076.6	076.3	47.83	
040.0	006.0000	0107.3	029.2	296.3	025.0000	0076.8	075.7	48.01	
041.0	006.0000	0108.6	029.4	296.3	025.0000	0076.8	075.1	48.15	
042.0	006.0000	0106.6	029.2	296.1	025.0000	0076.6	074.7	48.26	
043.0	006.0000	0103.9	028.8	295.7	025.0000	0076.7	074.3	48.36	
044.0	006.0000	0103.0	028.7	295.5	025.0000	0076.7	073.9	48.49	
045.0	006.0000	0104.0	028.8	295.4	025.0000	0076.7	073.4	48.62	
046.0	006.0000	0104.7	028.9	295.4	025.0000	0076.7	072.9	48.76	
047.0	006.0000	0105.6	029.0	295.3	025.0000	0076.7	072.3	48.90	
048.0	006.0000	0102.6	028.6	294.9	025.0000	0076.4	072.0	48.96	
049.0	006.0000	0100.3	028.3	294.5	025.0000	0076.0	071.7	49.02	
050.0	006.0000	0098.6	028.1	294.1	025.0000	0075.7	071.4	49.10	
051.0	006.0000	0099.6	028.2	294.1	025.0000	0075.6	070.9	49.23	
052.0	006.0000	0095.4	027.7	293.5	025.0000	0075.9	070.7	49.29	
053.0	006.0000	0094.6	027.6	293.2	025.0000	0075.5	070.3	49.37	
054.0	006.0000	0093.2	027.4	292.9	025.0000	0074.9	070.0	49.41	
055.0	006.0000	0094.1	027.5	292.7	025.0000	0074.7	069.6	49.53	
056.0	006.0000	0092.3	027.2	292.3	025.0000	0074.3	069.3	49.58	
057.0	006.0000	0090.6	027.0	292.0	025.0000	0074.0	069.0	49.63	
058.0	006.0000	0090.9	027.0	291.7	025.0000	0073.9	068.6	49.73	
059.0	006.0000	0092.0	027.2	291.6	025.0000	0073.8	068.2	49.85	
060.0	006.0000	0090.2	026.9	291.2	025.0000	0074.0	068.0	49.92	
061.0	006.0000	0089.9	026.9	290.9	025.0000	0074.3	067.6	50.03	
062.0	006.0000	0087.4	026.5	290.4	025.0000	0074.9	067.5	50.10	
063.0	006.0000	0086.0	026.3	290.0	025.0000	0075.4	067.3	50.19	
064.0	006.0000	0086.2	026.4	289.8	025.0000	0075.8	067.0	50.31	
065.0	006.0000	0085.5	026.3	289.4	025.0000	0076.3	066.7	50.42	
066.0	006.0000	0084.5	026.1	289.1	025.0000	0076.7	066.5	50.50	
067.0	006.0000	0084.1	026.1	288.7	025.0000	0077.0	066.2	50.60	
068.0	006.0000	0084.5	026.1	288.5	025.0000	0077.3	065.9	50.71	
069.0	006.0000	0085.6	026.3	288.2	025.0000	0077.4	065.5	50.83	
070.0	006.0000	0086.9	026.5	288.0	025.0000	0077.4	065.1	50.95	
071.0	006.0000	0086.4	026.4	287.7	025.0000	0077.1	064.8	50.99	
072.0	006.0000	0083.8	026.0	287.1	025.0000	0076.4	064.9	50.94	
073.0	006.0000	0082.1	025.8	286.7	025.0000	0074.9	064.8	50.84	
074.0	006.0000	0080.3	025.5	286.2	025.0000	0073.7	064.8	50.77	
075.0	006.0000	0081.4	025.7	285.9	025.0000	0073.4	064.5	50.85	
076.0	006.0000	0081.9	025.7	285.6	025.0000	0073.4	064.2	50.93	
077.0	006.0000	0082.7	025.9	285.3	025.0000	0073.4	063.9	51.01	
078.0	006.0000	0081.8	025.7	284.9	025.0000	0073.2	063.8	51.03	
079.0	006.0000	0080.3	025.5	284.5	025.0000	0072.8	063.8	51.00	
080.0	006.0000	0079.9	025.5	284.1	025.0000	0072.8	063.6	51.03	
081.0	006.0000	0080.0	025.5	283.7	025.0000	0073.0	063.5	51.10	
082.0	006.0000	0080.2	025.5	283.3	025.0000	0073.5	063.3	51.19	
083.0	006.0000	0079.7	025.4	282.9	025.0000	0074.0	063.2	51.25	
084.0	006.0000	0080.8	025.6	282.6	025.0000	0074.1	062.9	51.35	
085.0	006.0000	0081.2	025.7	282.2	025.0000	0074.3	062.7	51.42	
086.0	006.0000	0081.8	025.7	281.9	025.0000	0074.4	062.5	51.49	
087.0	006.0000	0082.4	025.8	281.5	025.0000	0074.6	062.3	51.56	
088.0	006.0000	0081.1	025.6	281.0	025.0000	0074.9	062.4	51.56	
089.0	006.0000	0081.1	025.6	280.6	025.0000	0075.2	062.3	51.61	
090.0	006.0000	0081.5	025.7	280.2	025.0000	0075.5	062.1	51.67	
091.0	006.0000	0082.5	025.8	279.8	025.0000	0075.6	061.9	51.74	
092.0	006.0000	0083.6	026.0	279.4	025.0000	0075.5	061.7	51.80	

093.0	006.0000	0085.5	026.3	279.0	025.0000	0075.5	061.4	51.90
094.0	006.0000	0085.6	026.3	278.6	025.0000	0075.6	061.3	51.93
095.0	006.0000	0083.3	026.0	278.2	025.0000	0075.9	061.6	51.85
096.0	006.0000	0081.6	025.7	277.7	025.0000	0076.1	061.9	51.79
097.0	006.0000	0082.5	025.8	277.3	025.0000	0076.3	061.7	51.85
098.0	006.0000	0081.9	025.7	276.9	025.0000	0076.8	061.8	51.86
099.0	006.0000	0082.3	025.8	276.5	025.0000	0076.8	061.8	51.87
100.0	006.0000	0081.9	025.7	276.1	025.0000	0076.6	061.9	51.83
101.0	006.0000	0080.7	025.6	275.7	025.0000	0076.4	062.1	51.75
102.0	006.0000	0078.9	025.3	275.3	025.0000	0076.3	062.4	51.65
103.0	006.0000	0077.3	025.1	274.9	025.0000	0076.3	062.7	51.56
104.0	006.0000	0074.9	024.7	274.6	025.0000	0076.6	063.1	51.45
105.0	006.0000	0074.1	024.6	274.2	025.0000	0077.2	063.3	51.44
106.0	006.0000	0075.0	024.7	273.8	025.0000	0077.7	063.3	51.48
107.0	006.0000	0075.5	024.8	273.4	025.0000	0077.9	063.3	51.49
108.0	006.0000	0074.3	024.6	273.1	025.0000	0077.9	063.6	51.41
109.0	006.0000	0075.1	024.7	272.7	025.0000	0078.2	063.6	51.43
110.0	006.0000	0072.0	024.3	272.4	025.0000	0078.5	064.2	51.28
111.0	006.0000	0070.9	024.1	272.1	025.0000	0078.8	064.5	51.22
112.0	006.0000	0071.3	024.2	271.7	025.0000	0079.0	064.5	51.21
113.0	006.0000	0070.4	024.0	271.4	025.0000	0078.8	064.8	51.12
114.0	006.0000	0070.3	024.0	271.1	025.0000	0078.5	065.0	51.04
115.0	006.0000	0070.0	024.0	270.8	025.0000	0078.1	065.2	50.96
116.0	006.0000	0068.2	023.7	270.5	025.0000	0077.7	065.6	50.81
117.0	006.0000	0066.6	023.5	270.3	025.0000	0077.4	066.0	50.68
118.0	006.0000	0065.5	023.3	270.1	025.0000	0077.3	066.4	50.58
119.0	006.0000	0065.1	023.2	269.8	025.0000	0077.1	066.6	50.50
120.0	006.0000	0064.8	023.2	269.5	025.0000	0077.2	066.9	50.43
121.0	006.0000	0065.2	023.3	269.2	025.0000	0077.3	067.0	50.40
122.0	006.0000	0065.6	023.3	268.9	025.0000	0077.5	067.2	50.36
123.0	006.0000	0066.8	023.5	268.5	025.0000	0077.6	067.3	50.35
124.0	006.0000	0067.8	023.6	268.1	025.0000	0077.8	067.4	50.33
125.0	006.0000	0070.2	024.0	267.6	025.0000	0078.3	067.3	50.37
126.0	006.0000	0071.1	024.1	267.3	025.0000	0078.7	067.5	50.35
127.0	006.0000	0071.6	024.2	267.0	025.0000	0079.0	067.7	50.31
128.0	006.0000	0072.3	024.3	266.6	025.0000	0079.2	067.9	50.27
129.0	006.0000	0073.8	024.6	266.3	025.0000	0079.6	068.0	50.26
130.0	006.0000	0075.3	024.8	265.9	025.0000	0079.5	068.2	50.22
131.0	006.0000	0074.6	024.7	265.7	025.0000	0079.5	068.6	50.11
132.0	006.0000	0074.3	024.6	265.4	025.0000	0079.6	068.9	50.02
133.0	006.0000	0074.3	024.6	265.2	025.0000	0079.9	069.2	49.95
134.0	006.0000	0073.8	024.5	265.0	025.0000	0080.2	069.6	49.87
135.0	006.0000	0073.3	024.5	264.8	025.0000	0080.6	070.0	49.79
136.0	006.0000	0073.2	024.5	264.6	025.0000	0081.2	070.3	49.73
137.0	006.0000	0073.1	024.4	264.4	025.0000	0081.6	070.7	49.65
138.0	006.0000	0073.6	024.5	264.2	025.0000	0082.0	071.0	49.60
139.0	006.0000	0073.3	024.5	264.0	025.0000	0082.2	071.3	49.51
140.0	006.0000	0073.8	024.5	263.8	025.0000	0082.5	071.6	49.44
141.0	006.0000	0074.1	024.6	263.5	025.0000	0082.8	072.0	49.36
142.0	006.0000	0074.6	024.7	263.3	025.0000	0083.0	072.3	49.28
143.0	006.0000	0075.8	024.9	263.0	025.0000	0083.3	072.6	49.22
144.0	006.0000	0075.9	024.9	262.8	025.0000	0083.4	073.0	49.12
145.0	006.0000	0074.7	024.7	262.8	025.0000	0083.4	073.4	48.99
146.0	006.0000	0074.8	024.7	262.6	025.0000	0083.3	073.8	48.88
147.0	006.0000	0075.7	024.8	262.4	025.0000	0083.1	074.1	48.78
148.0	006.0000	0075.8	024.8	262.3	025.0000	0083.1	074.5	48.67
149.0	006.0000	0075.6	024.8	262.1	025.0000	0083.1	074.9	48.56
150.0	006.0000	0077.2	025.1	261.8	025.0000	0083.2	075.3	48.48
151.0	006.0000	0079.9	025.5	261.4	025.0000	0083.8	075.5	48.44
152.0	006.0000	0081.7	025.7	261.1	025.0000	0084.3	075.9	48.38
153.0	006.0000	0083.7	026.0	260.8	025.0000	0085.0	076.2	48.32
154.0	006.0000	0086.2	026.4	260.5	025.0000	0086.1	076.5	48.29
155.0	006.0000	0088.0	026.6	260.2	025.0000	0086.9	076.9	48.23
156.0	006.0000	0086.6	026.4	260.2	025.0000	0086.8	077.4	48.09

WKRI.C CH 220 C3 73.215 Z
Lat= 34 17 01.0, Lng= 82 10 49.0
25.0 kW 96 M HAAT, 267 M COR

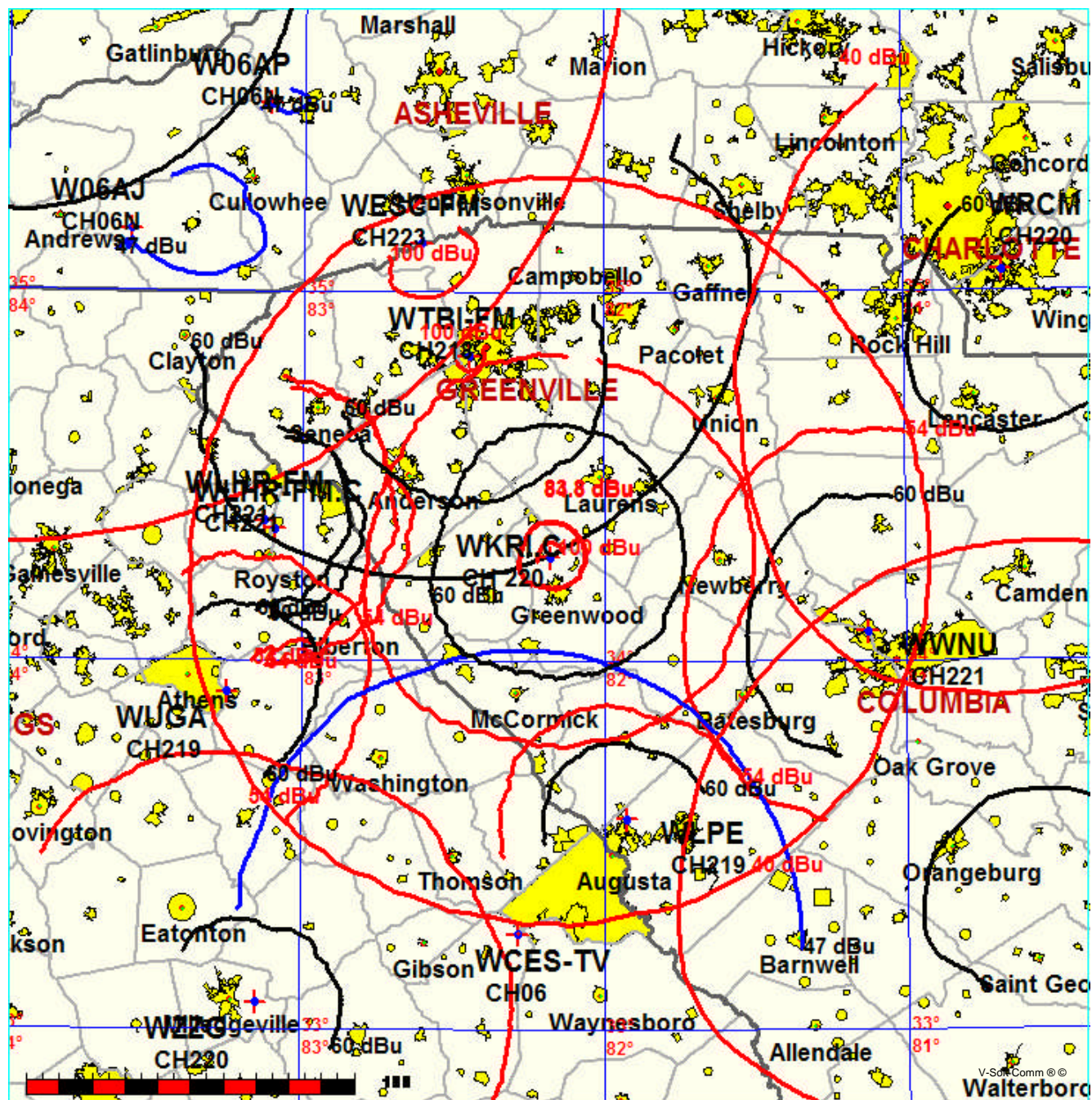


Figure 2: Allocation Study: WLPE
Spirit Broadcasting Group, Inc.

FMCommander Single Allocation Study - 09-24-2010 - NED 03 SEC
WKRI.C's Overlaps (In= 10.45 km, Out= 1.14 km)

WKRI.C CH 220 C3 73.215 Z
Lat= 34 17 01.0, Lng= 82 10 49.0
25.0 kW 96 M HAAT, 267 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WLPE CH 219 A 73.215 N BLED20031003ACP
Lat= 33 34 21.0, Lng= 81 55 23.0
1.15 kW 179.5 M HAAT, 282.1 M COR
Prot.= 60 dBu, Intef.= 54 dBu

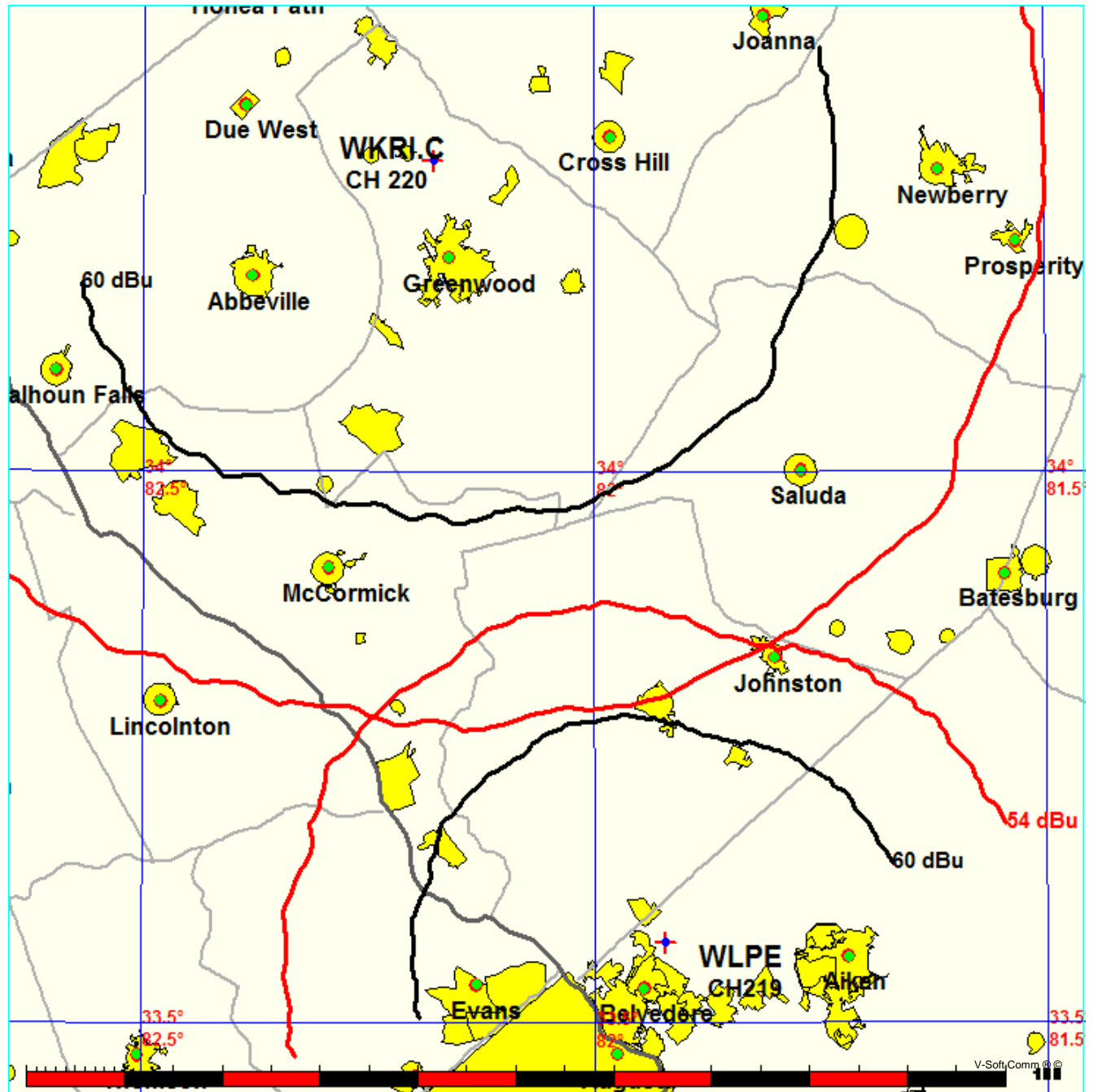


Figure 3: Allocation Study: WLRH-FM CP
Spirit Broadcasting Group, Inc.

FMCommander Single Allocation Study - 09-24-2010 - NED 03 SEC
WKRI.C's Overlaps (In= 8.95 km, Out= 2.53 km)

WKRI.C CH 220 C3 73.215 Z
Lat= 34 17 01.0, Lng= 82 10 49.0
25.0 kW 96 M HAAT, 267 M COR
Prot.= 60 dBu, Intef.= 54 dBu

WLHR-FM.C CH 221 A 73.215 N BPH20100511ACW
Lat= 34 21 37.0, Lng= 83 05 26.0
5.0 kW 109 M HAAT, 342 M COR
Prot.= 60 dBu, Intef.= 54 dBu

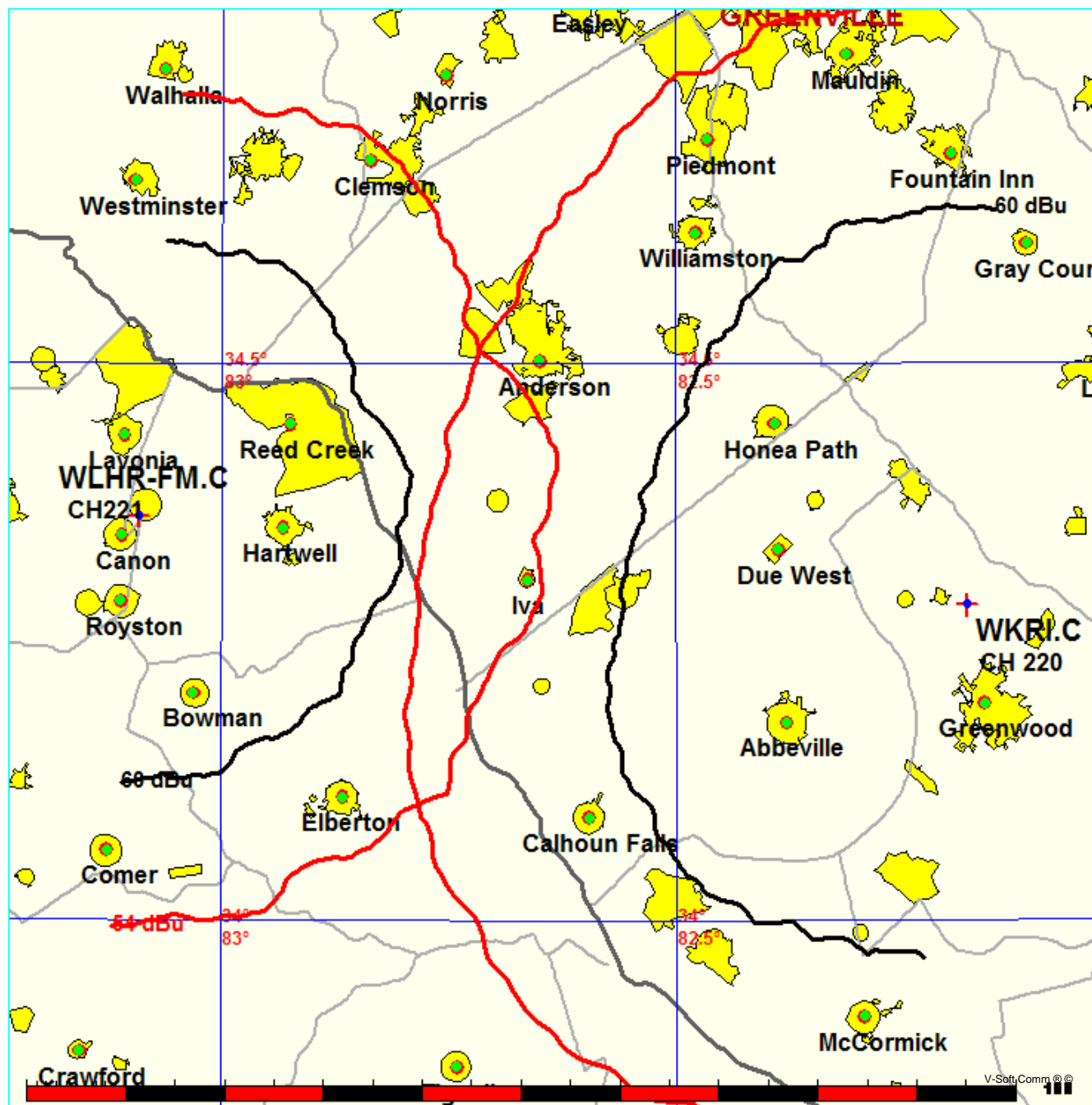
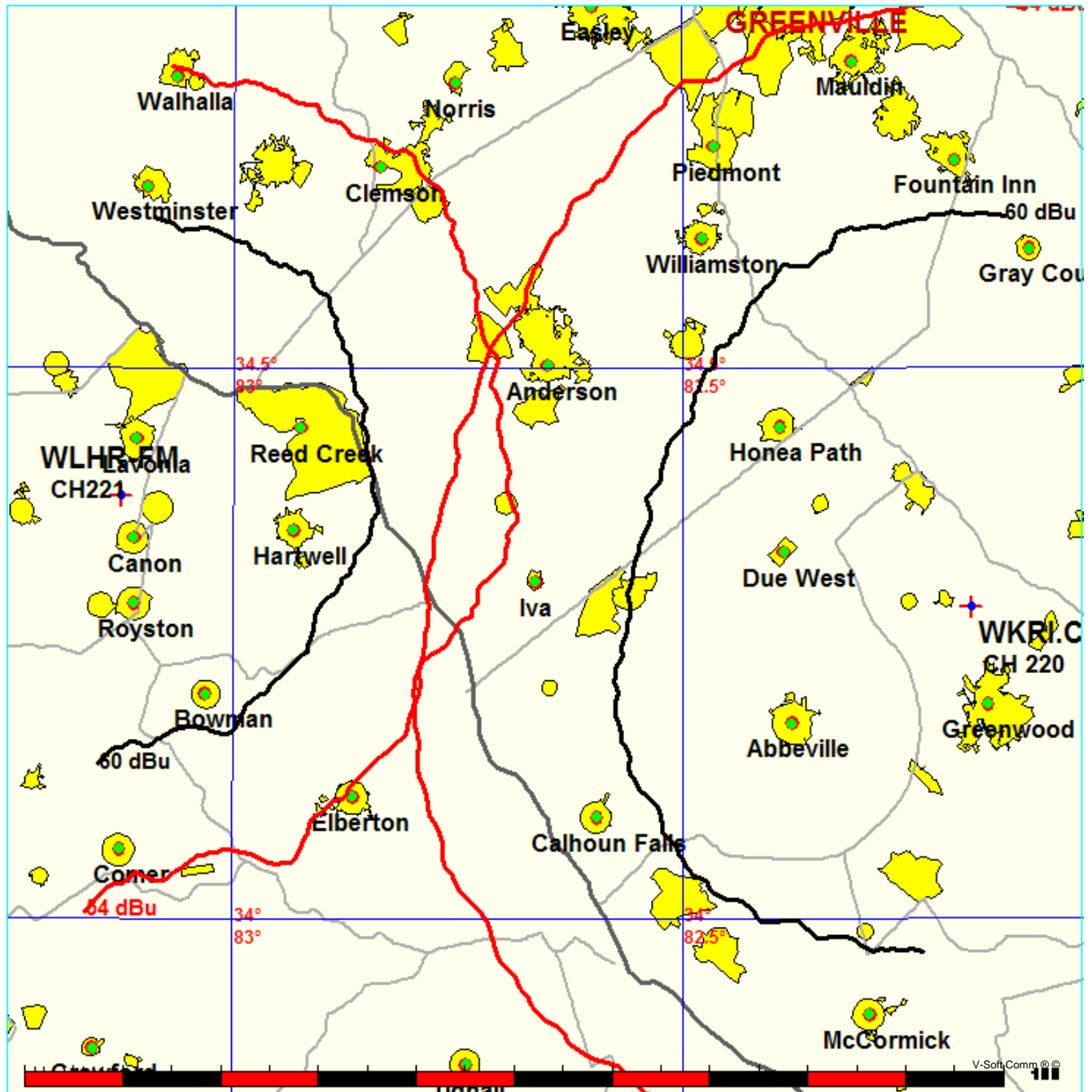


Figure 4: Allocation Study: WLRH-FM Licensed
Spirit Broadcasting Group, Inc.

FMCommander Single Allocation Study - 09-24-2010 - NED 03 SEC
WKRI.C's Overlaps (In= 13.18 km, Out= 6.53 km)

WKRI.C CH 220 C3 73.215 Z
Lat= 34 17 01.0, Lng= 82 10 49.0
25.0 kW 96 M HAAT, 267 M COR
Prot.= 60 dBu, Intef.= 54 dBu

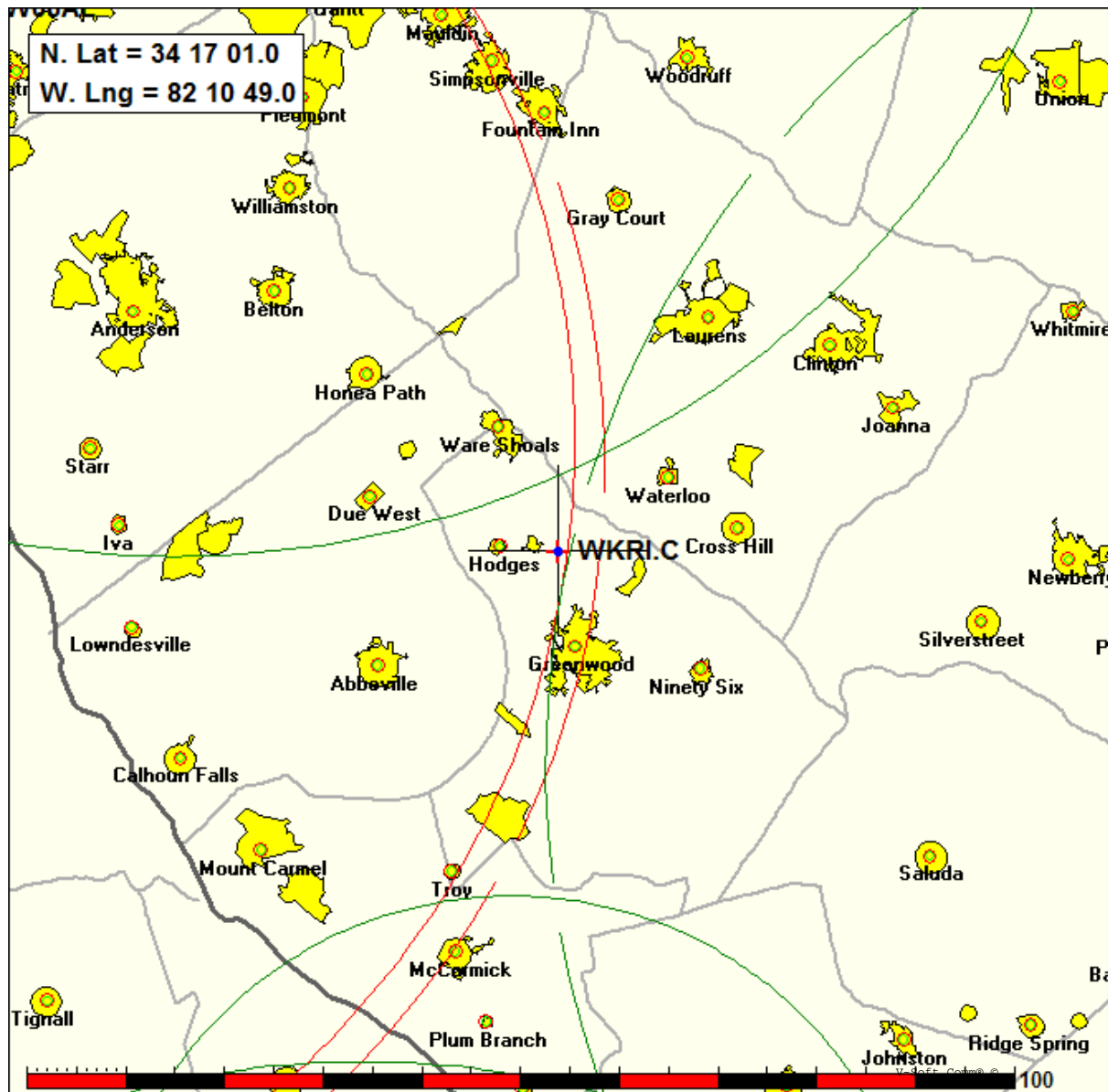
WLHR-FM^ CH 221 A BLH20080221ACW
Lat= 34 22 51.0, Lng= 83 07 28.0
Max CIs: 6.0 kW 102.9 M HAAT, 333.9 M COR
Prot.= 60 dBu, Intef.= 54 dBu



CH 220 C3 91.9 MHz

Current Spacings to 3rd Adj.

Figure 5: Spacings Study: Nonreserved Channels
Spirit Broadcasting Group, Inc.

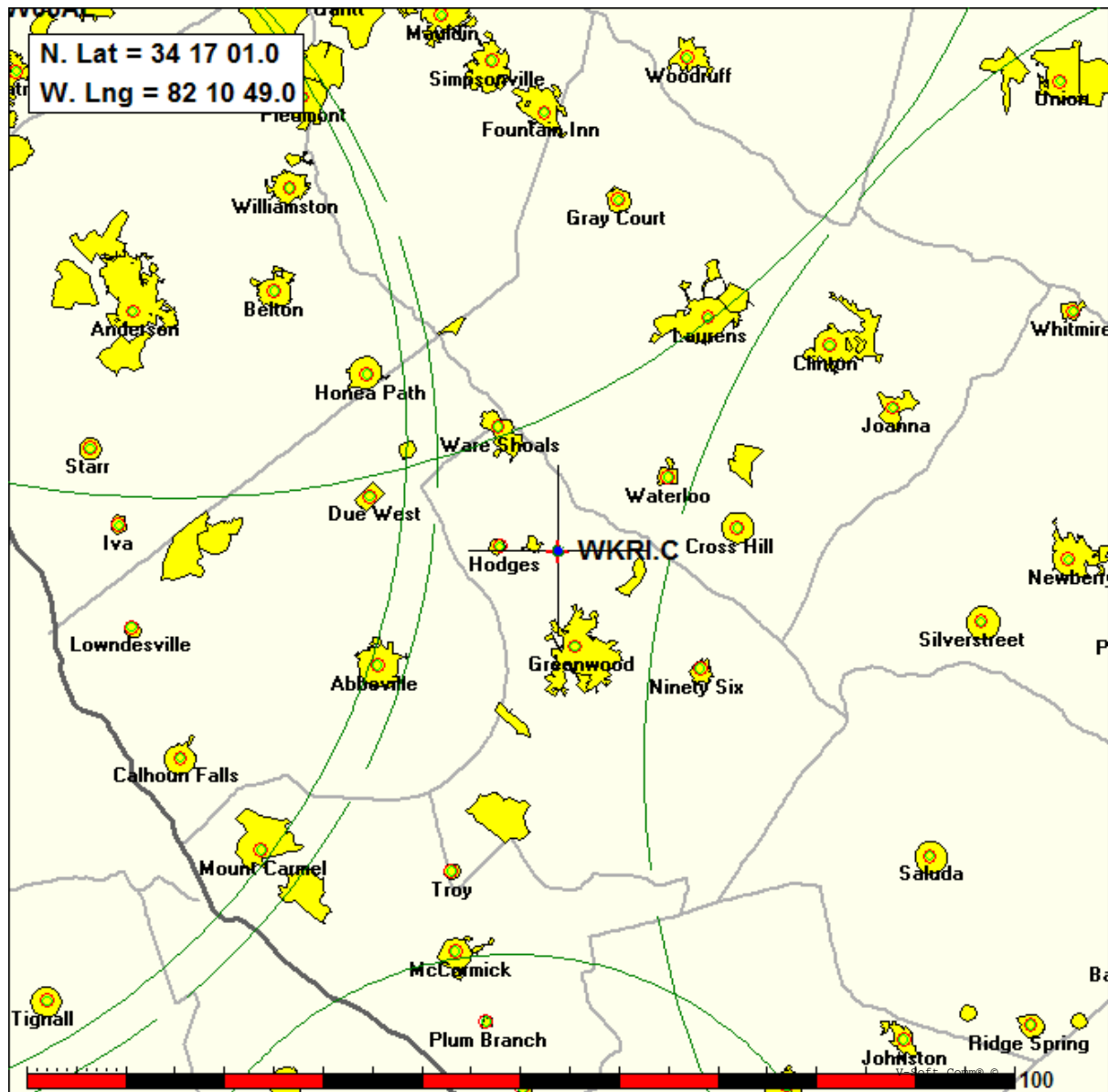


Data Date:09-24-10 Job Date:09-24-10								
Call	CH#	Type	Location		Azi	D-KM	FCC	Margin
WKRI	220C3	CP -Z	Cokesbury	SC	0.0	0.0	152.5	-152.5
WLHR-FM	221A	CP -N	Lavonia	GA	276.1	84.2	88.5	-4.3
WLHR-FM	221A	LIC	Lavonia	GA	277.4	87.6	88.5	-1.0
WVNU	221C3	LIC-Z	Irmo	SC	102.7	99.7	98.5	1.2
WESC-FM	223C	LIC	Greenville	SC	337.7	102.6	95.5	7.1
WAEG	222A	LIC	Evans	GA	183.5	77.1	41.5	35.6
WPEH-FM	221A	LIC	Louisville	GA	188.0	142.3	88.5	53.8

CH 220 C3 91.9 MHz

Current Spacings to 3rd Adj.

Figure 6: 73.215 Spacings Study: Nonreserved Channels
Spirit Broadcasting Group, Inc.



Data Date:09-24-10 Job Date:09-24-10								
Call	CH#	Type	Location		Azi	D-KM	FCC	Margin
WKRI	220C3	CP -Z	Cokesbury	SC	0.0	0.0	0.0	0.00
WLHR-FM	221A	CP -N	Lavonia	GA	276.1	84.2	72.0	12.2
WLHR-FM	221A	LIC	Lavonia	GA	277.4	87.6	72.0	15.6
WVNU	221C3	LIC-Z	Irmo	SC	102.7	99.7	89.0	10.7
WESC-FM	223C	LIC	Greenville	SC	337.7	102.6	90.0	12.6
WAEG	222A	LIC	Evans	GA	183.5	77.1	36.0	41.1
WPEH-FM	221A	LIC	Louisville	GA	188.0	142.3	72.0	70.3

NOTE: Printout shows Sec. 73.215 shortspace separations and 73.207 I.F.s

