

Technical Exhibit
Minor Modification of Construction Permit
Lebanon, TN
Channel 201A
.185 kW ERP 92.4m HAAT
61m AGL

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Predicted Coverage Contours

The proposed HAAT and the predicted 60 dBu contours were calculated in accordance with Section 47 C.F.R. 73.313. The average terrain elevations were calculated along 72 radials using the NED 03 second terrain database.

All contours displayed in exhibits are plotted every degree and in accordance with the propagation prediction curves of Section 73.333.

Population numbers were calculated by the centroid method with data from the 2010 US Census.

Interference Compliance

Contour protection, as required by C.F.R. Section 73.509 to co-channel and first, second and third adjacent channels is demonstrated herein by Figures 1 & 2. Required spacing to IF channels is shown in Figure 1.

Community Coverage

According to the official website of the City of Lebanon, the most recent census population for the city is 24,812. City-Data lists the 2009 population of the city as 25,005. The instant facility covers 16,368 persons within the city limits. This is greater than 50% of the city's population. See Figures 3 and 3-1.

RF Electromagnetic Exposure Analysis

Using a worst case assumption of maximum downward radiation ($F=1.0$) the RF exposure at 2m above ground level is $3.54201 \mu\text{W}/\text{cm}^2$ or 0.4% of the controlled standard. The actual downward radiation is expected to be less with construction of the Proposed utilizing a multi-bay antenna. This is inconsequential when added to the RF of the existing cellular antenna.

The tower is fenced with RF warning signs. The power will be reduced or shut off to allow necessary access to the tower.

Figure 1

REFERENCE		Minor Modification to WRSN								DISPLAY DATES	
36 17 36.3 N.		CH# 201A - 88.1 MHz, Pwr= 0.185 kW, HAAT= 92.4 M, COR= 263.4 M								DATA 06-24-11	
86 15 27.0 W.		Average Protected F(50-50)= 11.47 km								SEARCH 06-24-11	
		Omni-directional									
CH	CALL	TYPE	ANT	AZI	DIST	LAT	PWR(kW)	INT(km)	PRO(km)	*IN*	*OUT*
CITY		STATE		<--	FILE #	LNG	HAAT(M)	COR(M)	LICENSEE	(Overlap in km)	
201A	WRSN	CP	DCX	25.7	13.5	36 24 10.0	1.650	73.1	24.2	-72.1*	-51.4*
Lebanon		TN		205.7	BNPED20071022AQY	86 11 32.0	100	296	St. John Vianney Roman Cat		
201A	WFSK-FM	LIC	HN	254.1	51.2	36 10 00.0	0.700	31.5	9.3	7.4	0.2
Nashville		TN		73.8	BMLED19820217AH	86 48 17.0	2	168	Fisk University		
255A	WANT«	LIC	NCN	185.2	9.7	36 12 24.0	5.000	26.6	7.9	9.5R	0.17M
Lebanon		TN		5.2	BLH19931206KA	86 16 02.0	97	287	Bay-pointe Broadcasting, I		
203A	WVCP	LIC	CX	305.6	21.2	36 24 15.0	1.000	1.6	17.6	7.0	2.5
Gallatin		TN		125.4	BLED20030508ABK	86 27 01.0	67	248	Volunteer State Community		
201A	WAYD	LIC	CX	340.9	78.4	36 57 37.0	1.000	61.2	19.2	5.4	19.4
Auburn		KY		160.7	BLED20050705ABJ	86 32 49.0	113	290	Way-fm Media Group, Inc.		
255A	WANT«	CP	CX	214.7	18.6	36 09 20.0	5.340	26.6	7.9	9.5R	9.1M
Lebanon		TN		34.7	BPH20070907ACN	86 22 33.0	106	299	Bay-pointe Broadcasting, I		
201C1	WUTC	LIC	CN	143.6	149.4	35 12 26.0	30.000	128.1	49.3	11.1	65.9
Chattanooga		TN		324.2	BLED19931130KA	85 16 52.0	271	673	University Of Tennessee		
202C3	WSPG	LIC	CX	40.7	77.2	36 49 05.0	13.000	49.9	31.1	15.0	25.1
Glasgow		KY		221.1	BLED20021023AAT	85 41 30.0	91	361	Somerset Educational Broad		
202A	WMTS-FM	LIC	CX	189.9	50.1	35 50 56.0	0.680	19.0	11.4	20.2	21.4
Murfreesboro		TN		9.8	BLED20040607AAH	86 21 11.0	42	234	Middle Tennessee State Uni		
204C2	WAYM	LIC	DCX	242.1	58.3	36 02 49.7	5.000	2.7	24.4	44.6	32.9
Spring Hill		TN		61.8	BLED20080731AIM	86 49 48.9	330	529	Way-fm Media Group, Inc.		
06+T	WOOT-LP	LI	___N	143.6	149.4	35 12 26.0	1.400	10.9	20.4	31.2R	118.2M
Chattanooga		TN		324.2	BLTVA20070713ADV	85 16 52.0		637	Digital Networks-chattanooga		

Terrain database is NED 03 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM.
 In & Out distances between contours are shown at closest points. Reference zone= - 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.

Figure 2
Minor Modification to WRSN

FMCommander Single Allocation Study - 06-24-2011 - NED 03 SEC
WRSN's Overlaps (In= 7.38 km, Out= 0.16 km)

WRSN CH 201 A
Lat= 36 17 36.3, Lng= 86 15 27.0
0.185 kW 92.4 M HAAT, 263.4 M COR
Prot.= 60 dBu, Intef.= 40 dBu

WFSK-FM CH 201 A BMLED19820217AH
Lat= 36 10 00.0, Lng= 86 48 17.0
0.7 kW 2 M HAAT, 168 M COR
Prot.= 60 dBu, Intef.= 40 dBu

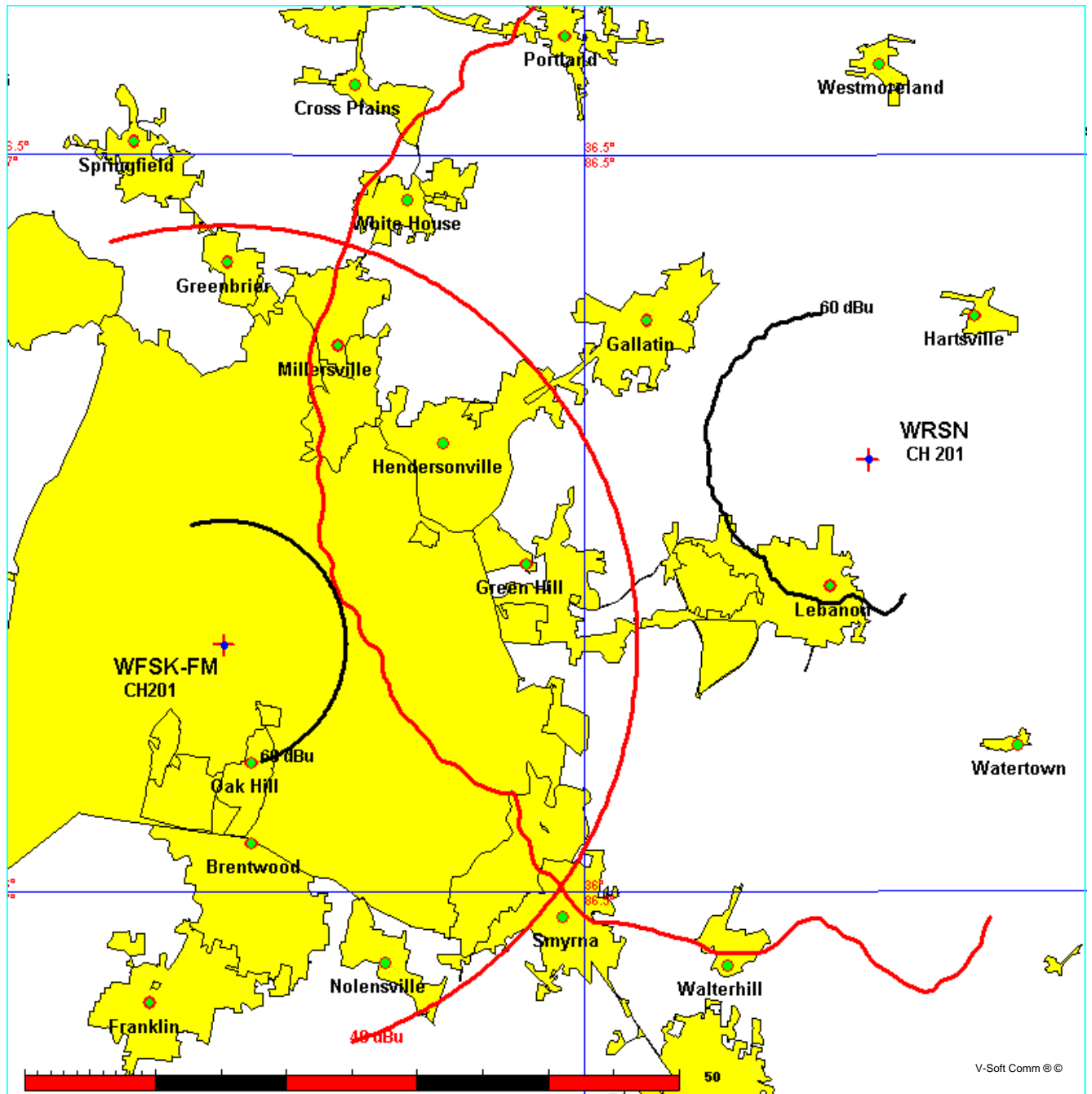


Figure 2-1

06-24-2011

Terrain Data: NED 03 SEC

FMOver Analysis

WRSN

Channel = 201A

Max ERP = 0.185 kW

RCAMSL = 263.4 M

N. Lat. 36 17 36.3

W. Lng. 86 15 27.0

Protected

60 dBu

WFSK-FM BMLED19820217AH

Channel = 201A

Max ERP = 0.7 kW

RCAMSL = 168 M

N. Lat. 36 10 00.0

W. Lng. 86 48 17.0

Interfering

40 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
194.0	000.1850	0088.1	011.3	086.0	000.7000	0023.9	046.6	35.14	
195.0	000.1850	0088.9	011.3	086.0	000.7000	0024.0	046.4	35.19	
196.0	000.1850	0089.7	011.4	085.9	000.7000	0024.1	046.2	35.24	
197.0	000.1850	0090.4	011.4	085.9	000.7000	0024.2	046.0	35.29	
198.0	000.1850	0090.8	011.4	085.8	000.7000	0024.4	045.8	35.34	
199.0	000.1850	0090.2	011.4	085.7	000.7000	0025.0	045.6	35.38	
200.0	000.1850	0089.6	011.4	085.6	000.7000	0025.6	045.5	35.42	
201.0	000.1850	0089.8	011.4	085.5	000.7000	0025.9	045.3	35.47	
202.0	000.1850	0090.6	011.4	085.4	000.7000	0026.1	045.1	35.52	
203.0	000.1850	0090.7	011.4	085.3	000.7000	0026.4	044.9	35.57	
204.0	000.1850	0091.2	011.5	085.2	000.7000	0026.5	044.7	35.62	
205.0	000.1850	0091.5	011.5	085.1	000.7000	0026.7	044.5	35.67	
206.0	000.1850	0092.2	011.5	085.0	000.7000	0026.8	044.3	35.72	
207.0	000.1850	0092.9	011.5	084.9	000.7000	0026.8	044.1	35.77	
208.0	000.1850	0093.9	011.6	084.9	000.7000	0026.8	043.9	35.82	
209.0	000.1850	0095.0	011.7	084.8	000.7000	0026.8	043.7	35.88	
210.0	000.1850	0096.8	011.8	084.7	000.7000	0026.7	043.5	35.94	
211.0	000.1850	0098.8	011.9	084.7	000.7000	0026.7	043.3	36.01	
212.0	000.1850	0098.6	011.9	084.5	000.7000	0026.5	043.1	36.05	
213.0	000.1850	0097.8	011.8	084.3	000.7000	0026.1	043.0	36.09	
214.0	000.1850	0097.3	011.8	084.1	000.7000	0026.0	042.8	36.13	
215.0	000.1850	0096.3	011.7	083.9	000.7000	0026.2	042.7	36.16	
216.0	000.1850	0094.7	011.7	083.6	000.7000	0026.4	042.6	36.19	
217.0	000.1850	0093.7	011.6	083.3	000.7000	0026.1	042.5	36.22	
218.0	000.1850	0093.9	011.6	083.2	000.7000	0026.2	042.4	36.27	
219.0	000.1850	0094.9	011.7	083.0	000.7000	0026.4	042.2	36.32	
220.0	000.1850	0094.3	011.6	082.8	000.7000	0026.7	042.1	36.35	
221.0	000.1850	0091.8	011.5	082.5	000.7000	0026.7	042.0	36.36	
222.0	000.1850	0089.5	011.4	082.1	000.7000	0026.6	042.0	36.37	
223.0	000.1850	0089.6	011.4	081.9	000.7000	0026.7	041.9	36.41	
224.0	000.1850	0088.6	011.3	081.7	000.7000	0027.1	041.8	36.43	
225.0	000.1850	0084.7	011.1	081.2	000.7000	0027.2	041.9	36.41	
226.0	000.1850	0083.5	011.0	081.0	000.7000	0026.8	041.8	36.43	
227.0	000.1850	0081.8	010.9	080.7	000.7000	0026.2	041.8	36.43	
228.0	000.1850	0084.8	011.1	080.6	000.7000	0025.8	041.5	36.51	
229.0	000.1850	0086.6	011.2	080.5	000.7000	0024.8	041.3	36.57	
230.0	000.1850	0088.2	011.3	080.3	000.7000	0023.8	041.2	36.63	
231.0	000.1850	0089.7	011.4	080.1	000.7000	0022.9	041.0	36.68	
232.0	000.1850	0089.9	011.4	079.9	000.7000	0022.4	040.9	36.71	
233.0	000.1850	0090.1	011.4	079.6	000.7000	0022.4	040.8	36.74	
234.0	000.1850	0091.1	011.4	079.4	000.7000	0022.4	040.6	36.79	
235.0	000.1850	0093.8	011.6	079.3	000.7000	0022.4	040.4	36.86	
236.0	000.1850	0094.4	011.6	079.0	000.7000	0022.5	040.3	36.89	
237.0	000.1850	0093.8	011.6	078.7	000.7000	0022.4	040.2	36.91	
238.0	000.1850	0094.2	011.6	078.5	000.7000	0022.2	040.1	36.94	
239.0	000.1850	0095.1	011.7	078.2	000.7000	0022.2	040.0	36.98	
240.0	000.1850	0095.5	011.7	078.0	000.7000	0022.4	039.9	37.00	
241.0	000.1850	0096.9	011.8	077.7	000.7000	0022.7	039.8	37.05	
242.0	000.1850	0097.4	011.8	077.4	000.7000	0023.4	039.7	37.07	

Figure 2-1

243.0	000.1850	0097.6	011.8	077.1	000.7000	0024.1	039.6	37.10
244.0	000.1850	0097.8	011.8	076.9	000.7000	0024.7	039.6	37.11
245.0	000.1850	0096.9	011.8	076.6	000.7000	0024.9	039.6	37.11
246.0	000.1850	0097.7	011.8	076.3	000.7000	0024.9	039.5	37.14
247.0	000.1850	0096.8	011.8	076.0	000.7000	0025.3	039.5	37.14
248.0	000.1850	0095.4	011.7	075.6	000.7000	0025.5	039.6	37.12
249.0	000.1850	0095.8	011.7	075.4	000.7000	0025.6	039.5	37.13
250.0	000.1850	0098.6	011.9	075.1	000.7000	0025.7	039.3	37.19
251.0	000.1850	0099.7	011.9	074.8	000.7000	0025.8	039.3	37.22
252.0	000.1850	0099.4	011.9	074.5	000.7000	0026.0	039.3	37.22
253.0	000.1850	0098.2	011.9	074.2	000.7000	0026.3	039.3	37.20
254.0	000.1850	0099.8	012.0	073.9	000.7000	0026.6	039.2	37.23
255.0	000.1850	0103.6	012.2	073.6	000.7000	0026.8	039.0	37.30
256.0	000.1850	0103.7	012.2	073.2	000.7000	0027.2	039.0	37.30
257.0	000.1850	0104.5	012.2	072.9	000.7000	0027.4	039.0	37.31
258.0	000.1850	0104.9	012.2	072.6	000.7000	0027.4	039.0	37.31
259.0	000.1850	0103.5	012.2	072.3	000.7000	0027.3	039.1	37.28
260.0	000.1850	0104.7	012.2	072.0	000.7000	0026.9	039.0	37.29
261.0	000.1850	0107.2	012.4	071.6	000.7000	0026.3	038.9	37.33
262.0	000.1850	0107.4	012.4	071.3	000.7000	0025.8	039.0	37.32
263.0	000.1850	0106.5	012.3	071.0	000.7000	0025.3	039.0	37.29
264.0	000.1850	0104.8	012.2	070.8	000.7000	0025.0	039.2	37.24
265.0	000.1850	0104.1	012.2	070.5	000.7000	0024.9	039.3	37.22
266.0	000.1850	0103.6	012.2	070.2	000.7000	0024.6	039.3	37.19
267.0	000.1850	0103.9	012.2	069.9	000.7000	0024.5	039.4	37.17
268.0	000.1850	0105.6	012.3	069.5	000.7000	0024.6	039.4	37.18
269.0	000.1850	0105.4	012.3	069.2	000.7000	0024.6	039.4	37.16
270.0	000.1850	0104.5	012.2	069.0	000.7000	0024.4	039.6	37.12
271.0	000.1850	0105.7	012.3	068.6	000.7000	0024.3	039.6	37.11
272.0	000.1850	0104.6	012.2	068.4	000.7000	0024.0	039.7	37.07
273.0	000.1850	0103.8	012.2	068.1	000.7000	0023.7	039.8	37.03
274.0	000.1850	0105.2	012.3	067.8	000.7000	0023.3	039.9	37.02
275.0	000.1850	0106.6	012.3	067.5	000.7000	0023.0	039.9	37.02
276.0	000.1850	0108.3	012.4	067.2	000.7000	0022.7	039.9	37.01
277.0	000.1850	0110.4	012.5	066.8	000.7000	0022.4	039.9	37.01
278.0	000.1850	0111.4	012.6	066.5	000.7000	0022.0	040.0	36.99
279.0	000.1850	0111.4	012.6	066.2	000.7000	0022.1	040.1	36.95
280.0	000.1850	0113.2	012.7	065.9	000.7000	0022.6	040.1	36.94
281.0	000.1850	0113.4	012.7	065.6	000.7000	0023.0	040.3	36.90
282.0	000.1850	0112.8	012.7	065.4	000.7000	0023.2	040.4	36.85
283.0	000.1850	0112.7	012.7	065.1	000.7000	0023.2	040.5	36.81
284.0	000.1850	0111.8	012.6	064.9	000.7000	0023.3	040.7	36.76
285.0	000.1850	0110.3	012.5	064.8	000.7000	0023.3	040.9	36.69
286.0	000.1850	0109.8	012.5	064.6	000.7000	0023.1	041.1	36.65
287.0	000.1850	0109.7	012.5	064.3	000.7000	0023.0	041.2	36.60
288.0	000.1850	0110.1	012.5	064.1	000.7000	0023.0	041.4	36.56
289.0	000.1850	0110.8	012.6	063.8	000.7000	0023.0	041.5	36.52
290.0	000.1850	0111.4	012.6	063.6	000.7000	0023.0	041.6	36.48
291.0	000.1850	0111.4	012.6	063.4	000.7000	0023.0	041.8	36.44
292.0	000.1850	0111.0	012.6	063.2	000.7000	0023.1	042.0	36.38
293.0	000.1850	0111.2	012.6	063.0	000.7000	0023.1	042.1	36.34
294.0	000.1850	0112.1	012.6	062.7	000.7000	0023.3	042.3	36.30
295.0	000.1850	0112.6	012.7	062.5	000.7000	0023.4	042.4	36.25
296.0	000.1850	0113.9	012.7	062.3	000.7000	0023.1	042.5	36.21
297.0	000.1850	0114.0	012.7	062.1	000.7000	0023.0	042.7	36.16
298.0	000.1850	0114.4	012.8	061.9	000.7000	0023.1	042.9	36.11
299.0	000.1850	0113.5	012.7	061.8	000.7000	0023.2	043.1	36.05
300.0	000.1850	0111.8	012.6	061.7	000.7000	0023.3	043.3	35.99
301.0	000.1850	0110.5	012.5	061.7	000.7000	0023.4	043.6	35.93
302.0	000.1850	0110.1	012.5	061.5	000.7000	0023.6	043.8	35.87
303.0	000.1850	0111.2	012.6	061.3	000.7000	0023.9	043.9	35.83
304.0	000.1850	0112.0	012.6	061.1	000.7000	0024.3	044.1	35.78
305.0	000.1850	0111.7	012.6	061.0	000.7000	0024.5	044.3	35.73
306.0	000.1850	0111.4	012.6	060.9	000.7000	0024.6	044.5	35.67
307.0	000.1850	0110.8	012.6	060.8	000.7000	0024.6	044.7	35.62

				Figure 2-1				
308.0	000.1850	0108.2	012.4	060.9	000.7000	0024.6	045.0	35.55
309.0	000.1850	0105.5	012.3	061.0	000.7000	0024.6	045.2	35.48
310.0	000.1850	0106.1	012.3	060.8	000.7000	0024.6	045.4	35.44
311.0	000.1850	0105.5	012.3	060.8	000.7000	0024.6	045.6	35.38
312.0	000.1850	0104.3	012.2	060.8	000.7000	0024.6	045.9	35.33
313.0	000.1850	0108.6	012.4	060.4	000.7000	0024.5	046.0	35.30

06-24-2011 Terrain Data: NED 03 SEC FMOver Analysis

WFSK-FM BMLED19820217AH

WRSN

Channel = 201A
 Max ERP = 0.7 kW
 RCAMSL = 168 M
 N. Lat. 36 10 00.0
 W. Lng. 86 48 17.0
 Protected
 60 dBu

Channel = 201A
 Max ERP = 0.185 kW
 RCAMSL = 263.4 M
 N. Lat. 36 17 36.3
 W. Lng. 86 15 27.0
 Interfering
 40 dBu

Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Actual (dBu)	I X (km)
014.0	000.7000	-0006.7	009.3	264.0	000.1850	0104.8	047.2	37.91	
015.0	000.7000	-0008.1	009.3	263.9	000.1850	0104.9	047.0	37.97	
016.0	000.7000	-0007.8	009.3	263.8	000.1850	0105.0	046.9	38.03	
017.0	000.7000	-0007.4	009.3	263.8	000.1850	0105.1	046.7	38.10	
018.0	000.7000	-0005.8	009.3	263.7	000.1850	0105.1	046.6	38.16	
019.0	000.7000	-0004.1	009.3	263.6	000.1850	0105.3	046.4	38.23	
020.0	000.7000	-0004.2	009.3	263.5	000.1850	0105.4	046.3	38.29	
021.0	000.7000	-0003.7	009.3	263.4	000.1850	0105.6	046.2	38.36	
022.0	000.7000	-0004.4	009.3	263.3	000.1850	0105.8	046.0	38.44	
023.0	000.7000	-0003.8	009.3	263.2	000.1850	0106.1	045.9	38.51	
024.0	000.7000	-0003.5	009.3	263.1	000.1850	0106.3	045.7	38.58	
025.0	000.7000	-0002.4	009.3	263.0	000.1850	0106.5	045.6	38.65	
026.0	000.7000	-0002.6	009.3	262.9	000.1850	0106.7	045.5	38.72	
027.0	000.7000	-0002.9	009.3	262.8	000.1850	0107.0	045.3	38.79	
028.0	000.7000	-0003.0	009.3	262.7	000.1850	0107.1	045.2	38.86	
029.0	000.7000	-0001.5	009.3	262.5	000.1850	0107.3	045.1	38.92	
030.0	000.7000	0000.3	009.3	262.4	000.1850	0107.4	044.9	38.98	
031.0	000.7000	0002.2	009.3	262.3	000.1850	0107.4	044.8	39.03	
032.0	000.7000	0003.4	009.3	262.2	000.1850	0107.4	044.7	39.08	
033.0	000.7000	0004.9	009.3	262.0	000.1850	0107.4	044.6	39.13	
034.0	000.7000	0006.8	009.3	261.9	000.1850	0107.4	044.4	39.18	
035.0	000.7000	0008.4	009.3	261.7	000.1850	0107.6	044.3	39.24	
036.0	000.7000	0008.1	009.3	261.6	000.1850	0107.6	044.2	39.29	
037.0	000.7000	0008.0	009.3	261.4	000.1850	0107.6	044.1	39.33	
038.0	000.7000	0008.4	009.3	261.3	000.1850	0107.5	044.0	39.37	
039.0	000.7000	0007.6	009.3	261.1	000.1850	0107.4	043.9	39.40	
040.0	000.7000	0006.7	009.3	261.0	000.1850	0107.2	043.8	39.44	
041.0	000.7000	0008.3	009.3	260.8	000.1850	0106.9	043.7	39.45	
042.0	000.7000	0011.4	009.3	260.6	000.1850	0106.3	043.6	39.46	
043.0	000.7000	0013.1	009.3	260.5	000.1850	0105.8	043.5	39.46	
044.0	000.7000	0014.9	009.3	260.3	000.1850	0105.4	043.4	39.46	
045.0	000.7000	0016.9	009.3	260.1	000.1850	0105.0	043.3	39.47	
046.0	000.7000	0017.7	009.3	259.9	000.1850	0104.5	043.2	39.47	
047.0	000.7000	0018.4	009.3	259.8	000.1850	0104.1	043.1	39.48	
048.0	000.7000	0020.4	009.3	259.6	000.1850	0103.8	043.0	39.49	
049.0	000.7000	0022.1	009.3	259.4	000.1850	0103.5	042.9	39.50	
050.0	000.7000	0022.4	009.3	259.2	000.1850	0103.4	042.8	39.53	
051.0	000.7000	0023.9	009.3	259.0	000.1850	0103.5	042.8	39.56	
052.0	000.7000	0024.6	009.3	258.8	000.1850	0103.6	042.7	39.60	

				Figure 2-1				
053.0	000.7000	0025.3	009.3	258.6	000.1850	0103.9	042.6	39.66
054.0	000.7000	0025.2	009.3	258.4	000.1850	0104.3	042.5	39.71
055.0	000.7000	0025.2	009.3	258.2	000.1850	0104.6	042.5	39.77
056.0	000.7000	0024.9	009.3	258.0	000.1850	0104.9	042.4	39.81
057.0	000.7000	0024.1	009.3	257.8	000.1850	0105.0	042.4	39.85
058.0	000.7000	0023.4	009.3	257.6	000.1850	0105.0	042.3	39.86
059.0	000.7000	0023.6	009.3	257.4	000.1850	0104.8	042.3	39.88
060.0	000.7000	0024.2	009.3	257.2	000.1850	0104.7	042.2	39.89
061.0	000.7000	0024.5	009.3	257.0	000.1850	0104.5	042.2	39.89
062.0	000.7000	0023.0	009.3	256.8	000.1850	0104.3	042.1	39.89
063.0	000.7000	0023.1	009.3	256.5	000.1850	0104.0	042.1	39.89
064.0	000.7000	0023.0	009.3	256.3	000.1850	0103.8	042.0	39.89
065.0	000.7000	0023.2	009.3	256.1	000.1850	0103.8	042.0	39.89
066.0	000.7000	0022.4	009.3	255.9	000.1850	0103.7	042.0	39.90
067.0	000.7000	0022.6	009.3	255.7	000.1850	0103.8	042.0	39.92
068.0	000.7000	0023.5	009.3	255.5	000.1850	0103.9	041.9	39.93
069.0	000.7000	0024.4	009.3	255.2	000.1850	0103.8	041.9	39.93
070.0	000.7000	0024.5	009.3	255.0	000.1850	0103.6	041.9	39.93
071.0	000.7000	0025.2	009.3	254.8	000.1850	0103.1	041.9	39.89
072.0	000.7000	0026.9	009.3	254.6	000.1850	0102.3	041.9	39.83
073.0	000.7000	0027.3	009.3	254.3	000.1850	0101.3	041.9	39.75
074.0	000.7000	0026.5	009.3	254.1	000.1850	0100.3	041.9	39.67
075.0	000.7000	0025.7	009.3	253.9	000.1850	0099.4	041.9	39.60
076.0	000.7000	0025.2	009.3	253.7	000.1850	0098.6	041.9	39.53
077.0	000.7000	0024.4	009.3	253.5	000.1850	0098.3	041.9	39.50
078.0	000.7000	0022.4	009.3	253.2	000.1850	0098.2	041.9	39.49
079.0	000.7000	0022.5	009.3	253.0	000.1850	0098.2	041.9	39.48
080.0	000.7000	0022.6	009.3	252.8	000.1850	0098.2	041.9	39.47
081.0	000.7000	0026.9	009.3	252.6	000.1850	0098.5	042.0	39.49
082.0	000.7000	0026.6	009.3	252.3	000.1850	0098.9	042.0	39.51
083.0	000.7000	0026.5	009.3	252.1	000.1850	0099.2	042.0	39.52
084.0	000.7000	0026.0	009.3	251.9	000.1850	0099.5	042.0	39.54
085.0	000.7000	0026.8	009.3	251.7	000.1850	0099.8	042.1	39.54
086.0	000.7000	0023.9	009.3	251.5	000.1850	0099.8	042.1	39.53
087.0	000.7000	0022.9	009.3	251.3	000.1850	0099.9	042.2	39.52
088.0	000.7000	0022.9	009.3	251.1	000.1850	0099.8	042.2	39.49
089.0	000.7000	0023.7	009.3	250.8	000.1850	0099.5	042.3	39.45
090.0	000.7000	0024.2	009.3	250.6	000.1850	0099.3	042.3	39.41
091.0	000.7000	0026.9	009.3	250.4	000.1850	0099.1	042.4	39.37
092.0	000.7000	0027.7	009.3	250.2	000.1850	0098.8	042.4	39.32
093.0	000.7000	0028.0	009.3	250.0	000.1850	0098.6	042.5	39.28
094.0	000.7000	0027.7	009.3	249.8	000.1850	0098.2	042.6	39.22
095.0	000.7000	0027.7	009.3	249.6	000.1850	0097.7	042.6	39.14
096.0	000.7000	0027.4	009.3	249.4	000.1850	0097.0	042.7	39.06
097.0	000.7000	0026.7	009.3	249.2	000.1850	0096.4	042.8	38.98
098.0	000.7000	0027.0	009.3	249.0	000.1850	0095.9	042.8	38.90
099.0	000.7000	0025.7	009.3	248.9	000.1850	0095.5	042.9	38.84
100.0	000.7000	0025.2	009.3	248.7	000.1850	0095.3	043.0	38.78
101.0	000.7000	0023.2	009.3	248.5	000.1850	0095.1	043.1	38.73
102.0	000.7000	0021.8	009.3	248.3	000.1850	0095.0	043.2	38.69
103.0	000.7000	0022.9	009.3	248.1	000.1850	0095.2	043.3	38.67
104.0	000.7000	0021.0	009.3	248.0	000.1850	0095.5	043.4	38.66
105.0	000.7000	0019.1	009.3	247.8	000.1850	0095.7	043.5	38.64
106.0	000.7000	0017.2	009.3	247.6	000.1850	0095.7	043.6	38.60
107.0	000.7000	0015.3	009.3	247.4	000.1850	0095.8	043.7	38.56
108.0	000.7000	0014.6	009.3	247.3	000.1850	0096.1	043.8	38.55
109.0	000.7000	0014.3	009.3	247.1	000.1850	0096.5	043.9	38.54
110.0	000.7000	0014.6	009.3	247.0	000.1850	0096.9	044.0	38.53
111.0	000.7000	0014.0	009.3	246.8	000.1850	0097.2	044.1	38.51
112.0	000.7000	0011.7	009.3	246.7	000.1850	0097.5	044.2	38.49
113.0	000.7000	0010.3	009.3	246.5	000.1850	0097.6	044.3	38.45
114.0	000.7000	0009.3	009.3	246.4	000.1850	0097.7	044.5	38.41
115.0	000.7000	0008.0	009.3	246.2	000.1850	0097.7	044.6	38.37
116.0	000.7000	0007.4	009.3	246.1	000.1850	0097.7	044.7	38.32
117.0	000.7000	0006.5	009.3	246.0	000.1850	0097.6	044.8	38.26

Figure 2-1

118.0	000.7000	0005.9	009.3	245.8	000.1850	0097.5	045.0	38.20
119.0	000.7000	0005.8	009.3	245.7	000.1850	0097.4	045.1	38.15
120.0	000.7000	0004.7	009.3	245.6	000.1850	0097.3	045.2	38.09
121.0	000.7000	0006.0	009.3	245.5	000.1850	0097.3	045.4	38.03
122.0	000.7000	0006.4	009.3	245.4	000.1850	0097.2	045.5	37.97
123.0	000.7000	0008.2	009.3	245.3	000.1850	0097.1	045.6	37.91
124.0	000.7000	0008.8	009.3	245.2	000.1850	0097.0	045.8	37.85
125.0	000.7000	0011.4	009.3	245.0	000.1850	0097.0	045.9	37.79
126.0	000.7000	0013.5	009.3	244.9	000.1850	0096.9	046.0	37.74
127.0	000.7000	0014.7	009.3	244.9	000.1850	0097.0	046.2	37.69
128.0	000.7000	0017.2	009.3	244.8	000.1850	0097.0	046.3	37.64
129.0	000.7000	0017.3	009.3	244.7	000.1850	0097.2	046.5	37.59
130.0	000.7000	0014.5	009.3	244.6	000.1850	0097.3	046.6	37.55
131.0	000.7000	0011.5	009.3	244.5	000.1850	0097.5	046.8	37.50
132.0	000.7000	0011.0	009.3	244.4	000.1850	0097.6	046.9	37.46
133.0	000.7000	0008.3	009.3	244.4	000.1850	0097.7	047.1	37.41

Figure 2-2
Minor Modification to WRSN

FMCommander Single Allocation Study - 06-24-2011 - NED 03 SEC
WRSN's Overlaps (In= 7.0 km, Out= 2.52 km)

WRSN CH 201 A
Lat= 36 17 36.3, Lng= 86 15 27.0
0.185 kW 92.4 M HAAT, 263.4 M COR
Prot.= 60 dBu, Intef.= 100 dBu

WVCP CH 203 A BLED20030508ABK
Lat= 36 24 15.0, Lng= 86 27 01.0
1.0 kW 67 M HAAT, 248 M COR
Prot.= 60 dBu, Intef.= 100 dBu

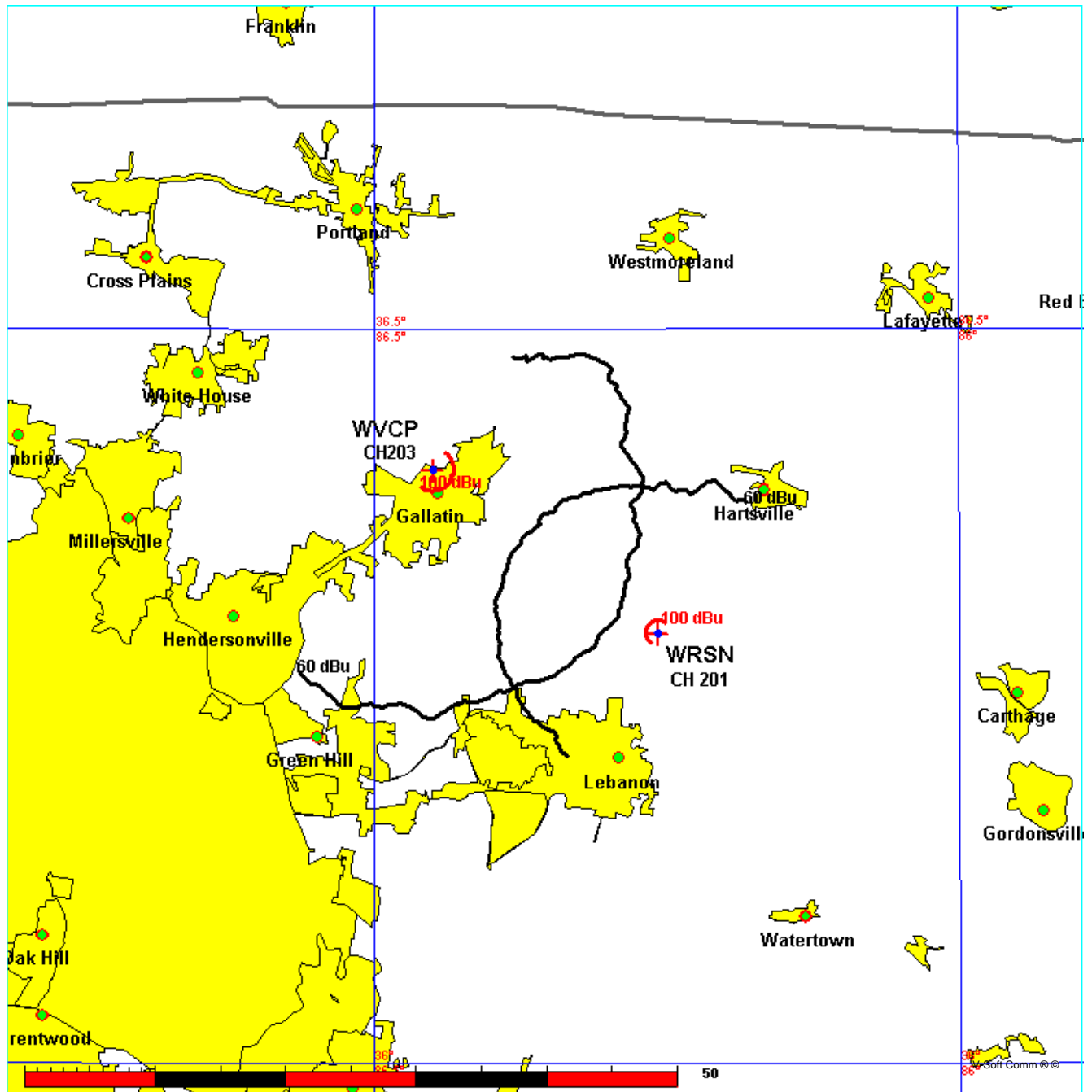


Figure 2-3

06-24-2011

Terrain Data: NED 03 SEC

FMOver Analysis

WRSN

Channel = 201A

Max ERP = 0.185 kW

RCAMSL = 263.4 M

N. Lat. 36 17 36.3

W. Lng. 86 15 27.0

Protected

60 dBu

WVCP BLED20030508ABK

Channel = 203A

Max ERP = 1 kW

RCAMSL = 248 M

N. Lat. 36 24 15.0

W. Lng. 86 27 01.0

Interfering

100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
246.0	000.1850	0097.7	011.8	159.2	001.0000	0090.7	018.3	59.86	
247.0	000.1850	0096.8	011.8	159.1	001.0000	0090.3	018.1	60.00	
248.0	000.1850	0095.4	011.7	158.9	001.0000	0089.7	017.9	60.10	
249.0	000.1850	0095.8	011.7	158.9	001.0000	0089.8	017.7	60.29	
250.0	000.1850	0098.6	011.9	159.5	001.0000	0091.1	017.5	60.59	
251.0	000.1850	0099.7	011.9	159.7	001.0000	0091.2	017.3	60.78	
252.0	000.1850	0099.4	011.9	159.6	001.0000	0091.2	017.1	60.95	
253.0	000.1850	0098.2	011.9	159.3	001.0000	0090.9	016.8	61.09	
254.0	000.1850	0099.8	012.0	159.6	001.0000	0091.2	016.6	61.31	
255.0	000.1850	0103.6	012.2	160.3	001.0000	0091.7	016.4	61.55	
256.0	000.1850	0103.7	012.2	160.2	001.0000	0091.6	016.2	61.72	
257.0	000.1850	0104.5	012.2	160.3	001.0000	0091.8	016.0	61.92	
258.0	000.1850	0104.9	012.2	160.3	001.0000	0091.7	015.8	62.10	
259.0	000.1850	0103.5	012.2	159.9	001.0000	0091.2	015.6	62.22	
260.0	000.1850	0104.7	012.2	160.0	001.0000	0091.3	015.3	62.42	
261.0	000.1850	0107.2	012.4	160.4	001.0000	0091.9	015.1	62.68	
262.0	000.1850	0107.4	012.4	160.2	001.0000	0091.7	014.9	62.71	
263.0	000.1850	0106.5	012.3	159.9	001.0000	0091.2	014.7	62.89	
264.0	000.1850	0104.8	012.2	159.3	001.0000	0090.8	014.5	63.06	
265.0	000.1850	0104.1	012.2	158.9	001.0000	0089.8	014.3	63.19	
266.0	000.1850	0103.6	012.2	158.6	001.0000	0089.3	014.1	63.38	
267.0	000.1850	0103.9	012.2	158.4	001.0000	0089.2	013.9	63.63	
268.0	000.1850	0105.6	012.3	158.5	001.0000	0089.2	013.7	63.93	
269.0	000.1850	0105.4	012.3	158.1	001.0000	0089.3	013.5	64.19	
270.0	000.1850	0104.5	012.2	157.6	001.0000	0090.2	013.3	64.52	
271.0	000.1850	0105.7	012.3	157.5	001.0000	0090.4	013.1	64.84	
272.0	000.1850	0104.6	012.2	156.8	001.0000	0090.2	012.9	65.06	
273.0	000.1850	0103.8	012.2	156.2	001.0000	0089.7	012.7	65.24	
274.0	000.1850	0105.2	012.3	156.1	001.0000	0089.6	012.5	65.56	
275.0	000.1850	0106.6	012.3	156.0	001.0000	0089.5	012.3	65.89	
276.0	000.1850	0108.3	012.4	155.8	001.0000	0089.5	012.1	66.24	
277.0	000.1850	0110.4	012.5	155.8	001.0000	0089.6	011.8	66.62	
278.0	000.1850	0111.4	012.6	155.4	001.0000	0090.1	011.6	67.00	
279.0	000.1850	0111.4	012.6	154.8	001.0000	0090.8	011.4	67.35	
280.0	000.1850	0113.2	012.7	154.6	001.0000	0090.9	011.2	67.75	
281.0	000.1850	0113.4	012.7	154.0	001.0000	0091.9	011.0	68.14	
282.0	000.1850	0112.8	012.7	153.1	001.0000	0093.4	010.8	68.53	
283.0	000.1850	0112.7	012.7	152.3	001.0000	0094.4	010.7	68.90	
284.0	000.1850	0111.8	012.6	151.4	001.0000	0093.9	010.5	69.08	
285.0	000.1850	0110.3	012.5	150.2	001.0000	0095.2	010.4	69.37	
286.0	000.1850	0109.8	012.5	149.2	001.0000	0095.2	010.3	69.61	
287.0	000.1850	0109.7	012.5	148.3	001.0000	0095.4	010.2	69.87	
288.0	000.1850	0110.1	012.5	147.4	001.0000	0094.7	010.0	70.08	
289.0	000.1850	0110.8	012.6	146.6	001.0000	0095.0	009.8	70.42	
290.0	000.1850	0111.4	012.6	145.7	001.0000	0095.1	009.7	70.71	
291.0	000.1850	0111.4	012.6	144.6	001.0000	0095.0	009.6	70.92	
292.0	000.1850	0111.0	012.6	143.4	001.0000	0094.2	009.5	71.03	
293.0	000.1850	0111.2	012.6	142.3	001.0000	0094.3	009.3	71.26	
294.0	000.1850	0112.1	012.6	141.3	001.0000	0094.2	009.2	71.53	

Figure 2-3

295.0	000.1850	0112.6	012.7	140.1	001.0000	0094.0	009.1	71.74
296.0	000.1850	0113.9	012.7	139.0	001.0000	0096.0	008.9	72.21
297.0	000.1850	0114.0	012.7	137.7	001.0000	0096.5	008.8	72.43
298.0	000.1850	0114.4	012.8	136.3	001.0000	0096.2	008.7	72.58
299.0	000.1850	0113.5	012.7	134.8	001.0000	0093.7	008.7	72.39
300.0	000.1850	0111.8	012.6	133.3	001.0000	0092.2	008.7	72.18
301.0	000.1850	0110.5	012.5	131.8	001.0000	0093.7	008.8	72.28
302.0	000.1850	0110.1	012.5	130.3	001.0000	0095.0	008.7	72.43
303.0	000.1850	0111.2	012.6	129.0	001.0000	0094.4	008.7	72.54
304.0	000.1850	0112.0	012.6	127.5	001.0000	0093.1	008.6	72.53
305.0	000.1850	0111.7	012.6	126.1	001.0000	0092.3	008.6	72.44
306.0	000.1850	0111.4	012.6	124.6	001.0000	0091.6	008.6	72.34
307.0	000.1850	0110.8	012.6	123.2	001.0000	0088.8	008.7	71.98
308.0	000.1850	0108.2	012.4	121.8	001.0000	0087.4	008.8	71.54
309.0	000.1850	0105.5	012.3	120.6	001.0000	0086.7	009.0	71.13
310.0	000.1850	0106.1	012.3	119.2	001.0000	0085.5	009.0	71.02
311.0	000.1850	0105.5	012.3	117.9	001.0000	0085.7	009.1	70.89
312.0	000.1850	0104.3	012.2	116.7	001.0000	0082.3	009.2	70.31
313.0	000.1850	0108.6	012.4	115.0	001.0000	0080.3	009.0	70.41
314.0	000.1850	0110.6	012.5	113.4	001.0000	0080.1	009.0	70.45
315.0	000.1850	0111.5	012.6	112.0	001.0000	0080.8	009.0	70.46
316.0	000.1850	0109.3	012.5	111.1	001.0000	0082.3	009.2	70.25
317.0	000.1850	0108.1	012.4	110.0	001.0000	0082.7	009.4	70.01
318.0	000.1850	0105.0	012.2	109.4	001.0000	0082.0	009.6	69.49
319.0	000.1850	0103.2	012.1	108.6	001.0000	0081.9	009.8	69.12
320.0	000.1850	0105.2	012.3	107.2	001.0000	0082.1	009.9	69.13
321.0	000.1850	0107.5	012.4	105.7	001.0000	0079.3	009.9	68.80
322.0	000.1850	0107.4	012.4	104.7	001.0000	0077.0	010.0	68.32
323.0	000.1850	0108.3	012.4	103.6	001.0000	0075.3	010.1	67.97
324.0	000.1850	0107.7	012.4	102.8	001.0000	0075.5	010.3	67.70
325.0	000.1850	0106.7	012.3	102.1	001.0000	0075.7	010.5	67.40
326.0	000.1850	0106.0	012.3	101.4	001.0000	0074.9	010.6	67.02
327.0	000.1850	0104.6	012.2	100.9	001.0000	0073.1	010.8	66.47
328.0	000.1850	0102.8	012.1	100.5	001.0000	0072.0	011.1	65.97
329.0	000.1850	0100.3	012.0	100.3	001.0000	0071.8	011.3	65.54
330.0	000.1850	0101.1	012.0	099.4	001.0000	0071.2	011.4	65.27
331.0	000.1850	0100.6	012.0	098.9	001.0000	0072.8	011.6	65.16
332.0	000.1850	0100.9	012.0	098.2	001.0000	0074.9	011.8	65.15
333.0	000.1850	0099.1	011.9	098.0	001.0000	0075.2	012.0	64.82
334.0	000.1850	0097.3	011.8	097.9	001.0000	0075.4	012.2	64.50
335.0	000.1850	0098.0	011.8	097.2	001.0000	0076.1	012.4	64.35
336.0	000.1850	0098.1	011.9	096.7	001.0000	0077.0	012.6	64.19
337.0	000.1850	0097.1	011.8	096.4	001.0000	0077.4	012.8	63.94
338.0	000.1850	0095.1	011.7	096.4	001.0000	0077.4	013.0	63.60
339.0	000.1850	0094.6	011.7	096.1	001.0000	0077.5	013.2	63.35
340.0	000.1850	0093.8	011.6	095.9	001.0000	0077.6	013.4	63.09
341.0	000.1850	0093.0	011.6	095.7	001.0000	0077.7	013.6	62.82
342.0	000.1850	0092.8	011.5	095.4	001.0000	0077.8	013.8	62.59
343.0	000.1850	0092.4	011.5	095.2	001.0000	0077.7	014.0	62.33
344.0	000.1850	0091.7	011.5	095.1	001.0000	0077.7	014.2	62.07
345.0	000.1850	0091.5	011.5	094.8	001.0000	0077.5	014.4	61.82
346.0	000.1850	0091.4	011.5	094.6	001.0000	0077.2	014.6	61.56
347.0	000.1850	0090.9	011.4	094.4	001.0000	0077.1	014.8	61.32
348.0	000.1850	0089.8	011.4	094.4	001.0000	0077.1	015.0	61.09
349.0	000.1850	0087.9	011.3	094.7	001.0000	0077.2	015.2	61.09
350.0	000.1850	0087.7	011.2	094.5	001.0000	0077.2	015.4	60.91
351.0	000.1850	0087.6	011.2	094.4	001.0000	0077.0	015.6	60.73
352.0	000.1850	0086.9	011.2	094.3	001.0000	0077.0	015.8	60.55
353.0	000.1850	0086.6	011.2	094.3	001.0000	0076.9	016.0	60.37
354.0	000.1850	0086.4	011.2	094.2	001.0000	0076.9	016.2	60.20
355.0	000.1850	0084.5	011.0	094.5	001.0000	0077.2	016.4	60.05
356.0	000.1850	0084.9	011.1	094.3	001.0000	0076.9	016.6	59.87
357.0	000.1850	0082.2	010.9	094.7	001.0000	0077.4	016.8	59.73
358.0	000.1850	0080.6	010.8	095.0	001.0000	0077.7	017.0	59.59
359.0	000.1850	0082.2	010.9	094.6	001.0000	0077.2	017.2	59.39

				Figure 2-3				
000.0	000.1850	0085.6	011.1	093.9	001.0000	0076.8	017.3	59.20
001.0	000.1850	0088.9	011.3	093.2	001.0000	0077.3	017.5	59.10
002.0	000.1850	0089.7	011.4	093.0	001.0000	0077.6	017.7	58.96
003.0	000.1850	0092.1	011.5	092.5	001.0000	0078.0	017.9	58.84
004.0	000.1850	0088.5	011.3	093.2	001.0000	0077.3	018.1	58.59
005.0	000.1850	0082.2	010.9	094.4	001.0000	0077.1	018.3	58.41

06-24-2011 Terrain Data: NED 03 SEC FMOver Analysis

WVCP BLED20030508ABK

WRSN

Channel = 203A
 Max ERP = 1 kW
 RCAMSL = 248 M
 N. Lat. 36 24 15.0
 W. Lng. 86 27 01.0
 Protected
 60 dBu

Channel = 201A
 Max ERP = 0.185 kW
 RCAMSL = 263.4 M
 N. Lat. 36 17 36.3
 W. Lng. 86 15 27.0
 Interfering
 100 dBu

Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Azi muth (degrees)	ERP (kW)	HAAT (m)	Di st (km)	Actual (dBu)	I X (km)
065.0	001.0000	0072.3	015.5	350.2	000.1850	0087.6	019.1	51.55	
066.0	001.0000	0072.3	015.5	350.4	000.1850	0087.6	018.9	51.76	
067.0	001.0000	0070.4	015.3	350.0	000.1850	0087.7	018.5	52.03	
068.0	001.0000	0072.5	015.5	350.8	000.1850	0087.6	018.3	52.19	
069.0	001.0000	0072.0	015.4	350.9	000.1850	0087.6	018.1	52.42	
070.0	001.0000	0073.1	015.6	351.4	000.1850	0087.4	017.8	52.61	
071.0	001.0000	0073.6	015.6	351.7	000.1850	0087.3	017.6	52.81	
072.0	001.0000	0074.3	015.7	352.2	000.1850	0086.7	017.3	52.95	
073.0	001.0000	0074.7	015.7	352.5	000.1850	0086.6	017.0	53.17	
074.0	001.0000	0073.1	015.6	352.0	000.1850	0086.9	016.7	53.46	
075.0	001.0000	0071.8	015.4	351.6	000.1850	0087.4	016.5	53.75	
076.0	001.0000	0070.3	015.3	351.2	000.1850	0087.6	016.2	54.00	
077.0	001.0000	0069.6	015.2	350.9	000.1850	0087.6	015.9	54.24	
078.0	001.0000	0068.9	015.1	350.7	000.1850	0087.6	015.6	54.48	
079.0	001.0000	0069.0	015.1	350.8	000.1850	0087.6	015.4	54.70	
080.0	001.0000	0067.3	014.9	350.1	000.1850	0087.6	015.1	54.93	
081.0	001.0000	0066.4	014.8	349.7	000.1850	0087.9	014.8	55.05	
082.0	001.0000	0063.8	014.6	348.7	000.1850	0087.9	014.6	55.33	
083.0	001.0000	0063.8	014.6	348.6	000.1850	0088.1	014.4	55.65	
084.0	001.0000	0065.3	014.7	349.1	000.1850	0088.0	014.1	55.96	
085.0	001.0000	0066.7	014.9	349.6	000.1850	0087.9	013.8	56.30	
086.0	001.0000	0068.0	015.0	350.1	000.1850	0087.7	013.5	56.62	
087.0	001.0000	0069.4	015.1	350.6	000.1850	0087.7	013.3	56.99	
088.0	001.0000	0071.8	015.4	351.6	000.1850	0087.4	013.0	57.37	
089.0	001.0000	0073.3	015.6	352.2	000.1850	0086.6	012.7	57.70	
090.0	001.0000	0075.4	015.8	353.2	000.1850	0086.7	012.4	58.15	
091.0	001.0000	0075.8	015.9	353.2	000.1850	0086.7	012.1	58.57	
092.0	001.0000	0078.0	016.1	354.3	000.1850	0086.1	011.8	58.98	
093.0	001.0000	0077.5	016.1	353.8	000.1850	0086.4	011.5	59.43	
094.0	001.0000	0076.9	016.0	353.2	000.1850	0086.7	011.3	59.88	
095.0	001.0000	0077.7	016.1	353.4	000.1850	0086.8	011.0	60.36	
096.0	001.0000	0077.6	016.1	353.0	000.1850	0086.6	010.7	60.81	
097.0	001.0000	0076.4	015.9	351.9	000.1850	0087.1	010.5	61.25	
098.0	001.0000	0075.2	015.8	350.8	000.1850	0087.6	010.2	61.70	
099.0	001.0000	0072.5	015.5	348.6	000.1850	0088.1	010.1	62.02	
100.0	001.0000	0071.5	015.4	347.4	000.1850	0090.5	009.9	62.63	
101.0	001.0000	0073.6	015.6	348.1	000.1850	0089.6	009.5	63.15	
102.0	001.0000	0075.7	015.9	348.8	000.1850	0087.8	009.2	63.62	
103.0	001.0000	0075.4	015.8	347.9	000.1850	0090.1	008.9	64.29	

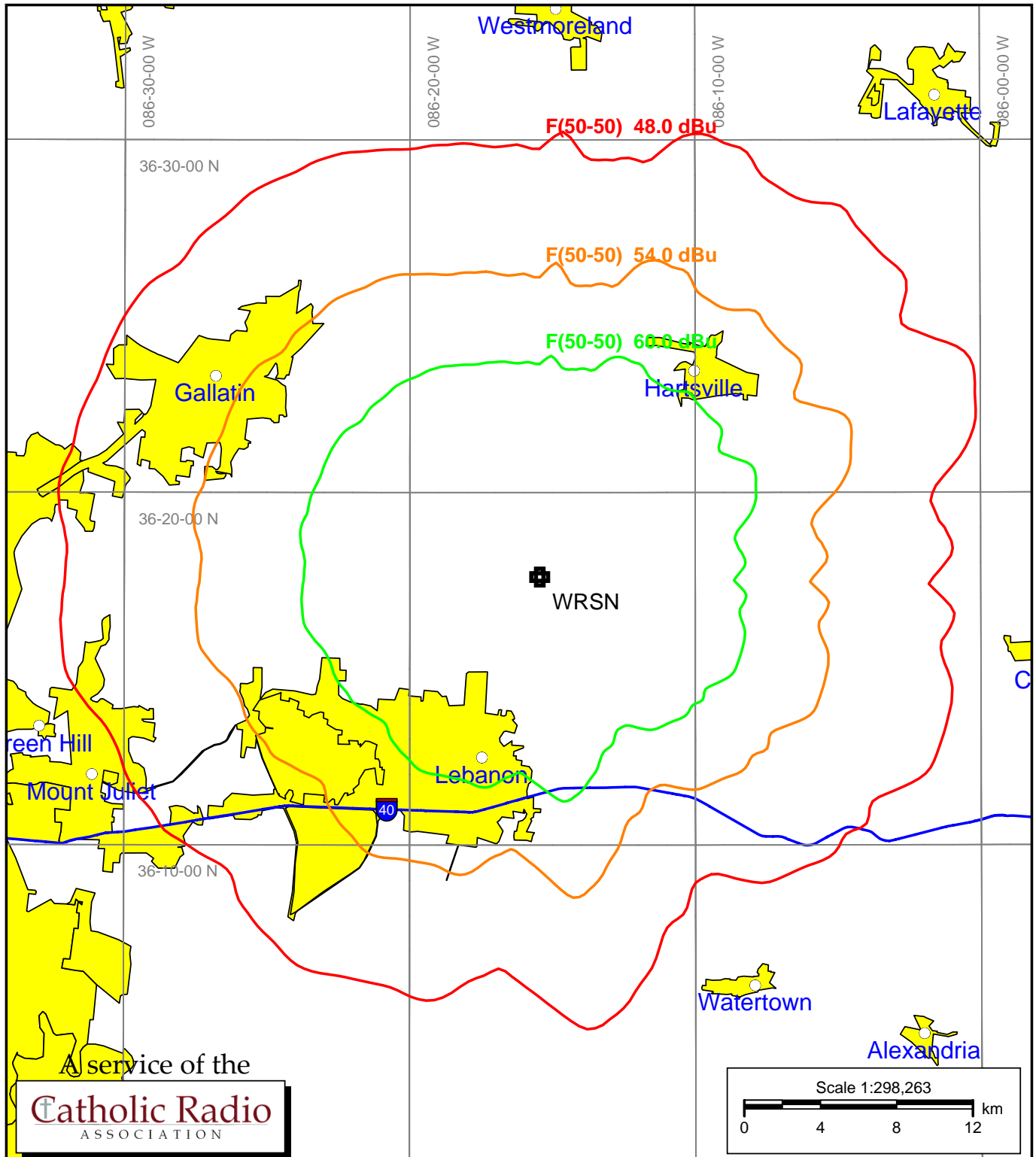
Figure 2-3

104.0	001.0000	0075.7	015.9	347.3	000.1850	0090.7	008.7	64.84
105.0	001.0000	0077.8	016.1	347.9	000.1850	0090.1	008.3	65.49
106.0	001.0000	0079.8	016.3	348.5	000.1850	0088.3	007.9	66.03
107.0	001.0000	0081.9	016.6	349.1	000.1850	0088.0	007.6	66.80
108.0	001.0000	0082.2	016.6	348.3	000.1850	0088.9	007.3	67.56
109.0	001.0000	0081.5	016.6	346.5	000.1850	0091.4	007.1	68.34
110.0	001.0000	0082.7	016.7	346.2	000.1850	0091.5	006.8	69.19
111.0	001.0000	0082.4	016.7	344.5	000.1850	0091.3	006.6	69.77
112.0	001.0000	0080.8	016.5	341.7	000.1850	0092.9	006.4	70.23
113.0	001.0000	0080.2	016.4	339.4	000.1850	0094.2	006.3	70.82
114.0	001.0000	0080.0	016.4	337.4	000.1850	0096.2	006.1	71.56
115.0	001.0000	0080.3	016.4	335.6	000.1850	0098.2	005.9	72.40
116.0	001.0000	0081.2	016.5	334.0	000.1850	0097.3	005.6	73.10
117.0	001.0000	0082.9	016.7	332.9	000.1850	0099.2	005.3	74.35
118.0	001.0000	0085.9	017.1	332.4	000.1850	0100.0	004.8	75.88
119.0	001.0000	0085.8	017.1	329.3	000.1850	0100.2	004.7	76.41
120.0	001.0000	0085.4	017.0	325.8	000.1850	0106.2	004.6	77.22
121.0	001.0000	0087.0	017.2	323.3	000.1850	0108.4	004.3	78.44
122.0	001.0000	0087.8	017.3	319.8	000.1850	0104.5	004.1	78.84
123.0	001.0000	0088.9	017.4	316.1	000.1850	0109.1	003.9	79.98
124.0	001.0000	0090.0	017.5	311.9	000.1850	0104.2	003.7	80.38
125.0	001.0000	0091.2	017.7	307.3	000.1850	0110.5	003.6	81.46
126.0	001.0000	0092.2	017.8	302.2	000.1850	0110.3	003.5	81.93
127.0	001.0000	0092.1	017.8	297.2	000.1850	0113.9	003.5	81.96
128.0	001.0000	0094.2	018.0	291.3	000.1850	0111.2	003.4	82.41
129.0	001.0000	0094.4	018.0	286.1	000.1850	0109.8	003.5	81.96
130.0	001.0000	0094.8	018.0	281.2	000.1850	0113.2	003.6	81.72
131.0	001.0000	0094.8	018.1	276.9	000.1850	0110.3	003.7	80.86
132.0	001.0000	0093.5	017.9	274.4	000.1850	0105.9	004.0	79.32
133.0	001.0000	0092.4	017.8	272.1	000.1850	0104.4	004.3	78.08
134.0	001.0000	0093.3	017.9	268.3	000.1850	0105.8	004.5	77.65
135.0	001.0000	0093.8	017.9	265.1	000.1850	0104.1	004.6	76.83
136.0	001.0000	0095.3	018.1	261.1	000.1850	0107.4	004.8	76.60
137.0	001.0000	0096.8	018.3	257.6	000.1850	0104.9	005.0	75.82
138.0	001.0000	0096.1	018.2	256.5	000.1850	0104.0	005.3	74.75
139.0	001.0000	0095.9	018.2	255.1	000.1850	0103.7	005.6	73.81
140.0	001.0000	0094.2	018.0	255.5	000.1850	0103.9	005.9	72.72
141.0	001.0000	0094.2	018.0	254.2	000.1850	0100.7	006.2	71.60
142.0	001.0000	0093.8	017.9	253.5	000.1850	0098.3	006.5	70.52
143.0	001.0000	0094.2	018.0	252.2	000.1850	0099.0	006.8	69.83
144.0	001.0000	0095.2	018.1	250.6	000.1850	0099.3	007.1	69.14
145.0	001.0000	0094.8	018.1	250.2	000.1850	0098.8	007.4	68.30
146.0	001.0000	0095.4	018.1	249.1	000.1850	0096.2	007.7	67.36
147.0	001.0000	0094.7	018.0	249.2	000.1850	0096.3	008.0	66.67
148.0	001.0000	0095.0	018.1	248.5	000.1850	0095.1	008.3	65.95
149.0	001.0000	0095.4	018.1	247.8	000.1850	0095.7	008.6	65.41
150.0	001.0000	0095.1	018.1	247.8	000.1850	0095.7	008.9	64.80
151.0	001.0000	0094.5	018.0	247.9	000.1850	0095.6	009.3	64.19
152.0	001.0000	0094.3	018.0	247.8	000.1850	0095.7	009.6	63.61
153.0	001.0000	0093.5	017.9	248.1	000.1850	0095.2	009.9	62.99
154.0	001.0000	0091.9	017.7	249.0	000.1850	0095.8	010.2	62.47
155.0	001.0000	0090.6	017.6	249.7	000.1850	0097.7	010.5	62.09
156.0	001.0000	0089.6	017.5	250.1	000.1850	0098.8	010.9	61.65
157.0	001.0000	0090.4	017.6	249.5	000.1850	0097.4	011.2	61.04
158.0	001.0000	0089.5	017.5	250.0	000.1850	0098.6	011.5	60.64
159.0	001.0000	0090.0	017.5	249.7	000.1850	0097.9	011.8	60.11
160.0	001.0000	0091.3	017.7	249.0	000.1850	0095.7	012.1	59.45
161.0	001.0000	0091.8	017.7	248.8	000.1850	0095.4	012.4	58.96
162.0	001.0000	0091.7	017.7	248.9	000.1850	0095.6	012.7	58.53
163.0	001.0000	0089.6	017.5	250.0	000.1850	0098.6	013.0	58.40
164.0	001.0000	0089.4	017.5	250.2	000.1850	0098.8	013.3	58.00
165.0	001.0000	0091.4	017.7	249.3	000.1850	0096.7	013.6	57.39
166.0	001.0000	0091.9	017.7	249.3	000.1850	0096.5	013.9	56.98
167.0	001.0000	0092.2	017.8	249.3	000.1850	0096.5	014.2	56.59
168.0	001.0000	0093.2	017.9	249.0	000.1850	0095.9	014.6	56.15

Figure 2-3

169.0	001.0000	0093.4	017.9	249.2	000.1850	0096.2	014.9	55.84
170.0	001.0000	0092.9	017.8	249.6	000.1850	0097.5	015.2	55.82
171.0	001.0000	0091.9	017.7	250.2	000.1850	0098.8	015.5	55.69
172.0	001.0000	0091.3	017.7	250.6	000.1850	0099.3	015.8	55.49
173.0	001.0000	0092.5	017.8	250.4	000.1850	0099.0	016.1	55.18
174.0	001.0000	0092.1	017.8	250.8	000.1850	0099.5	016.4	54.98
175.0	001.0000	0094.1	018.0	250.3	000.1850	0099.0	016.7	54.63
176.0	001.0000	0094.1	018.0	250.6	000.1850	0099.3	017.0	54.41
177.0	001.0000	0096.9	018.3	249.9	000.1850	0098.5	017.4	54.01
178.0	001.0000	0098.6	018.5	249.7	000.1850	0097.9	017.8	53.66
179.0	001.0000	0100.4	018.6	249.5	000.1850	0097.3	018.1	53.30
180.0	001.0000	0102.0	018.8	249.4	000.1850	0096.8	018.5	52.96
181.0	001.0000	0102.4	018.8	249.6	000.1850	0097.7	018.8	52.78
182.0	001.0000	0101.6	018.8	250.2	000.1850	0098.8	019.1	52.66
183.0	001.0000	0099.2	018.5	251.3	000.1850	0099.9	019.3	52.58
184.0	001.0000	0096.3	018.2	252.5	000.1850	0098.7	019.5	52.33

Community Coverage



Population Report for WRSN

Population Database: 2010 US Census (PL)

	Population	Housing Units	Area (sq. km)
60.00 dBu	31,616	13,244	422.4
54.00 dBu	62,364	25,795	856.5
48.00 dBu	118,409	48,885	1708.2

