

# Charles M. Anderson and Associates

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## TECHNICAL REPORT

This technical report is provided as an analysis of the aural broadcast markets formed by a minor change application for WMCI(FM) on 267B1 at Neoga, IL and other commonly owned-attributable stations. WMCI is applying to increase its HAAT to 150 meters with 11 kw ERP. In addition to WMCI, other commonly owned stations in Illinois are WCBH, WCRA(AM), WCRC, WEJT, WHQQ, WWGO, WYDS, WZNX and WZUS. Three markets are formed by the WMCI application:

### Market No. 1:

1	WMCI.AP	391459N	882248W	267B1	11.00 kw
2	WHQQ.L	391459N	882248W	255A	2.90 kw
3	WWGO.L	393140N	882123W	221A	6.00 kw

A listing of the total Market #1 is included as E1 and a plot of the entire market as E2. E2 includes the city grade contour of all stations intersecting any of the mutually overlapping stations including full service noncommercial and excluding any stations with a transmitter site greater than 92 km from any portion of the mutually overlapping area and any non-overlapping commonly owned stations. The total number of stations in market #1 is thirteen (13). Clearly, the common ownership of three (3) FM stations is less than one-half of the market and is permissible.

### Market No. 2:

1	WMCI.AP	391459N	882248W	267B1	11.0 kw
2	WCBH.L	391624N	875539W	282B1	11.0 kw
3	WHQQ.L	391459N	882248W	255A	2.9 kw

A listing of the total Market #2 is included as E3 and a plot of the entire market as E4. E4 includes the city grade contour of all stations intersecting any of the mutually overlapping stations including full service noncommercial and excluding any stations with a

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transmitter site greater than 92 km from any portion of the mutually overlapping area and any non-overlapping commonly owned stations. The total number of stations in market #2 is twenty-three (23). Clearly, the common ownership of three (3) FM stations is less than one-half of the market and is permissible

## Market No. 3

1	WMCI.AP	391459N	882248W	267B1	11.0 kw
2	WCRA.L	390626N	883344W	1090	1.0 kw
3	WCRC.L	390626N	883344W	239B	50.0 kw
4	WHQQ.L	391459N	882248W	255A	2.9 kw

A listing of the total Market #3 is included as E5 and a plot of the entire market as E6. E6 includes the city grade contour of all stations intersecting any of the mutually overlapping stations including full service noncommercial and excluding any stations with a transmitter site greater than 92 km from any portion of the mutually overlapping area and excluding any non-mutually-overlapping commonly owned stations. The total number of stations in market #3 is twenty (20). Clearly, the common ownership of three (3) FM stations and one (1) AM station is less than one-half of the market and is permissible.

It is concluded that the proposed WMCI application is entirely compliant with Commission's ownership rules and policies. It is also noted that no other commonly-owned-attributable stations within 100 miles mutually overlap any of the three markets.



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Charles M. Anderson 11-15-2004

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# E-1 WCMT Duopoly Market #1 List

Duopoly Study

Center = 39 14 59 N, 88 22 48 W

11-14-2004

	Call	Coordinates	Dist	Bear	Chan	Pwr(kW)	City	State	File #
1	>*WMCI	391459N 882248W			267B1	11.00	User Reference		
2	>WHQQ.L	391459N 882248W			255A	2.90	User Reference		
3	>WWGO.L	393140N 882123W			221A	6.00	User Reference		
4	WEIC.L	393018N 881254W	31.7	26	1270	1	CHARLESTON	IL	BL
5	WEIU.L	392843N 881021W	31.1	35	205B1	4	Charleston	IL	BLED19850617KH
6	WIKK.L	390620N 881021W	24	131	278B1	25	Newton	IL	BLH19920512KC
7	WKJT.L	390830N 883336W	19.6	232	272A	6	Teutopolis	IL	BLH19941026KA
8	WKZI.L	391816N 875817W	35.8	80	800	0.25	CASEY	IL	BL
9	WLBH.L	393105N 882215W	29.8	1	1170	5	MATTOON	IL	BL
10	WLBHFM.L	393102N 882213W	29.7	1	245B	50	Mattoon	IL	BLH6155
11	WLKL.L	392507N 882255W	18.8	359	210A	1.3	Mattoon	IL	BLED19810914AF
12	WXEF.L	390725N 883828W	26.6	238	250A	6	Effingham	IL	BLH19940908KB
13	WXET.L	393415N 881817W	36.2	10	300A	2.5	Arcola	IL	BLH19920414KA

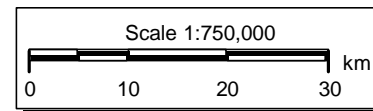
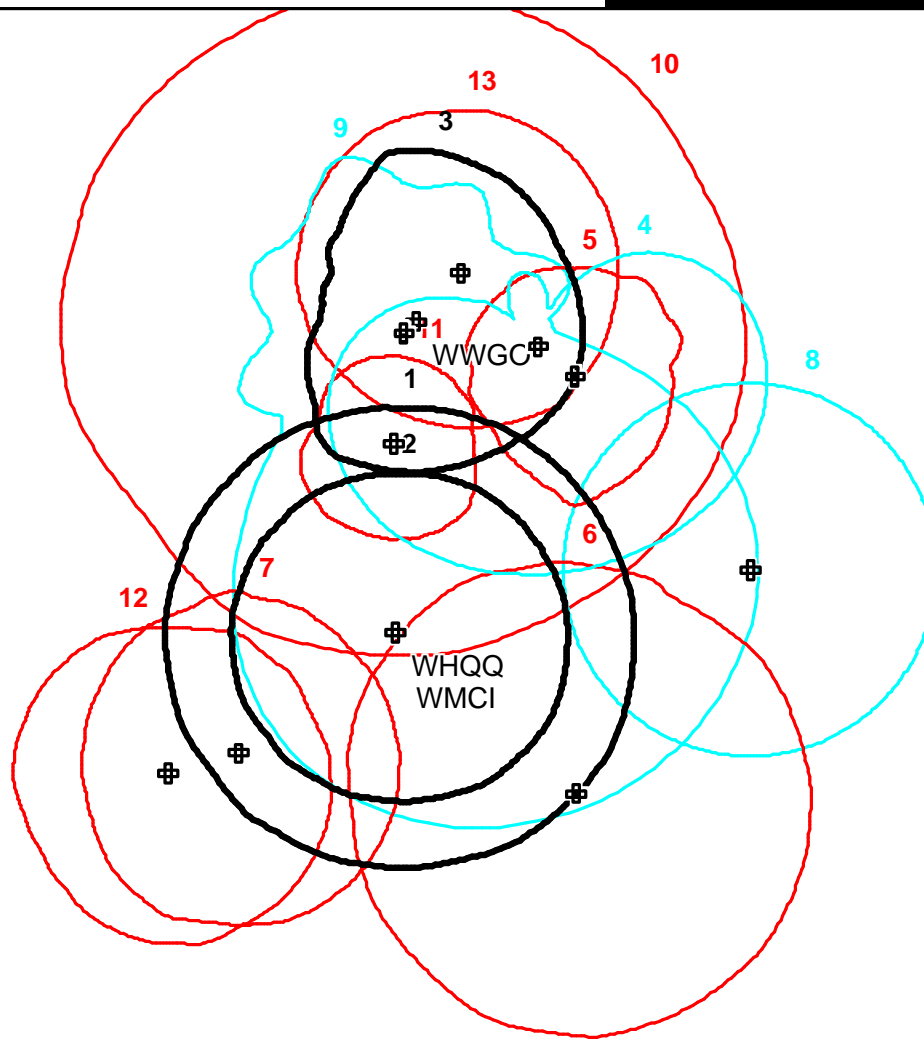
Number in list= 13

## E-2 WMCI Duopoly Market #1 Plot

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### WMCI

BLH19961203KA  
Latitude: 39-14-59 N  
Longitude: 088-22-48 W  
ERP: 2.90 kW  
Channel: 255  
Frequency: 98.9 MHz  
AMSL Height: 0.0 m  
Elevation: 0.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: None



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# E-3 WMCI Duopoly Market #2 List

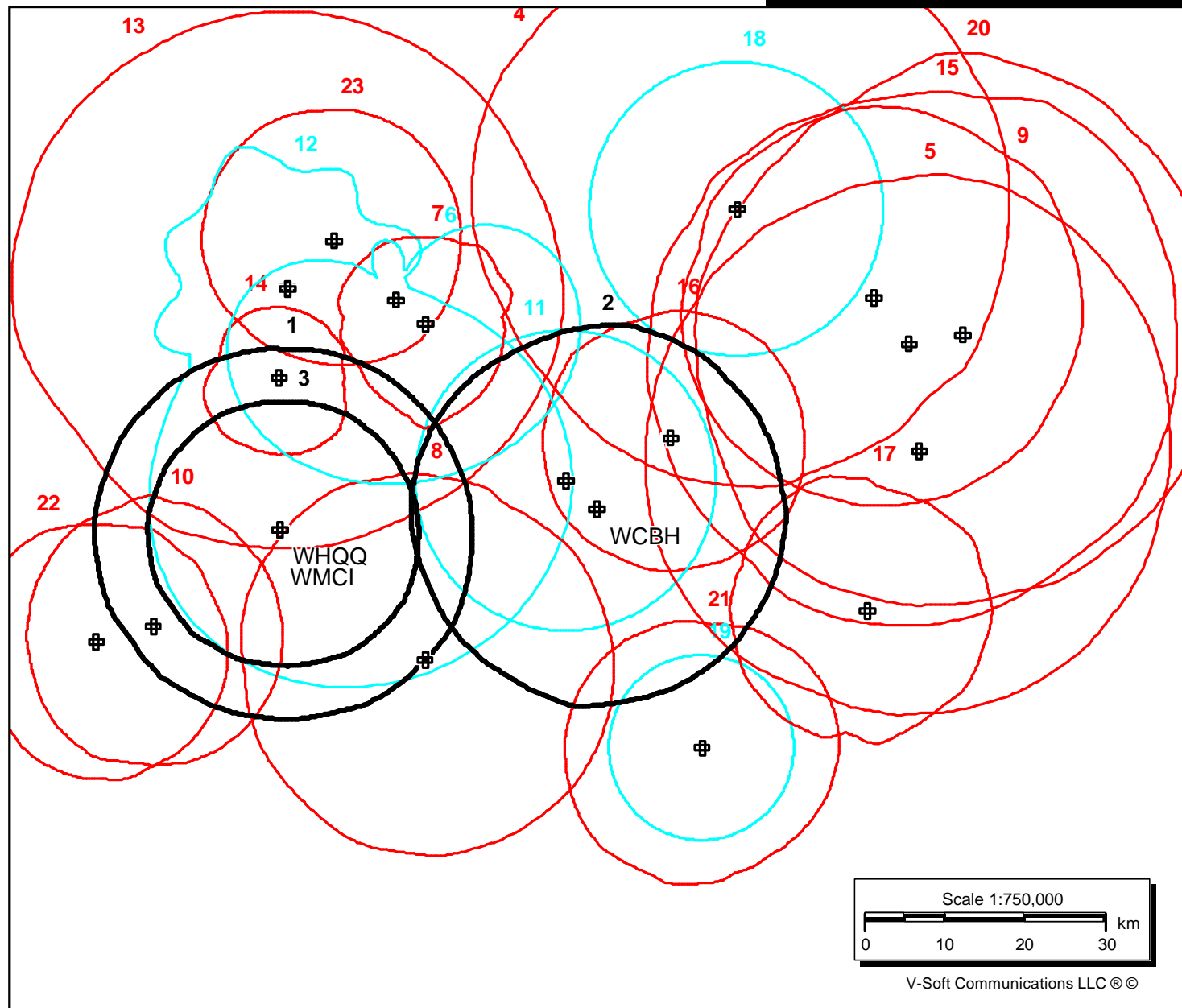
Duopoly Study			Center = 39 14 59 N, 88 22 48 W					11-14-2004	
Call	Coordinates		Dist	Bear	Chan	Pwr(kW)	City	State	File #
1	>*WMCI	391459N 882248W			267B1	11.00	User Reference		
2	>WCBH.L	391624N 875539W			282B1	11.00	User Reference		
3	>WHQQ.L	391459N 882248W			255A	2.90	User Reference		
4	WACF.L	393621N 874335W	68.8	54	253B	50	Paris	IL	BMLH452
5	WBOWFM.L	392013N 872800W	79.4	82	274B	28	Terre Haute	IN	BLH19930817KC
6	WEIC.L	393018N 881254W	31.7	26	1270	1	CHARLESTON	IL	BL
7	WEIU.L	392843N 881021W	31.1	35	205B1	4	Charleston	IL	BLED19850617KH
8	WIKK.L	390620N 881021W	24	131	278B1	25	Newton	IL	BLH19920512KC
9	WISU.L	393026N 873150W	78.6	68	209B	13.5	Terre Haute	IN	BLED19891011KC
10	WKJT.L	390830N 883336W	19.6	232	272A	6	Teutopolis	IL	BLH19941026KA
11	WKZI.L	391816N 875817W	35.8	80	800	0.25	CASEY	IL	BL
12	WLBH.L	393105N 882215W	29.8	1	1170	5	MATTOON	IL	BL
13	WLBHFM.L	393102N 882213W	29.7	1	245B	50	Mattoon	IL	BLH6155
14	WLKL.L	392507N 882255W	18.8	359	210A	1.3	Mattoon	IL	BLED19810914AF
15	WMGI.L	392722N 872850W	80.8	73	264B	50	Terre Haute	IN	BLH4370
16	WMMC.L	392109N 874919W	49.5	76	290A	2.3	Marshall	IL	BLH20020926ABZ
17	WNDIFM.L	390936N 873232W	73	97	237A	6	Sullivan	IN	BLH20040429AAB
18	WPRS.L	393621N 874335W	68.8	54	1440	1	PARIS	IL	BL
19	WTAY.L	390029N 874641W	58.6	117	1570	0.25	ROBINSON	IL	BL19880818AB
20	WTHIFM.L	392757N 872412W	87.5	73	260B	50	Terre Haute	IN	BLH19820910AJ
21	WTYE.L	390029N 874641W	58.6	117	269A	3.1	Robinson	IL	BLH19890217KB
22	WXEF.L	390725N 883828W	26.6	238	250A	6	Effingham	IL	BLH19940908KB
23	WXET.L	393415N 881817W	36.2	10	300A	2.5	Arcola	IL	BLH19920414KA

Number in list= 23

# E-4 WMCB Duopoly Market #2 Plot

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**WMCB**  
BLH19961203KB  
Latitude: 39-14-59 N  
Longitude: 088-22-48 W  
ERP: 11.00 kW  
Channel: 267  
Frequency: 101.3 MHz  
AMSL Height: 332.75 m  
Elevation: 183.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: None



# E-5 WMCI Duopoly Market #3 List

Duopoly Study			Center = 39 14 59 N, 88 22 48 W					11-14-2004	
Call	Coordinates	Dist	Bear	Chan	Pwr(kW)	City	State	File #	
1	>*WMCI	391459N 882248W			267B1 11.00	User Reference			
2	>WCRA.L	390626N 883344W			1090 001.0	User Reference			
3	>WCRC.L	390626N 883344W			239B 50.00	User Reference			
4	>WHQQ.L	391459N 882248W			255A 2.90	User Reference			
5	WEIC.L	393018N 881254W	31.7	26	1270 1	CHARLESTON	IL	BL	
6	WEIU.L	392843N 881021W	31.1	35	205B1 4	Charleston	IL	BLED19850617KH	
7	WIKK.L	390620N 881021W	24	131	278B1 25	Newton	IL	BLH19920512KC	
8	WINU.L	392914N 885731W	56.4	298	870 0.5	SHELBYVILLE	IL	BL20030113ADU	
9	WJLY.L	390806N 890602W	63.5	258	202B 25	Ramsey	IL	BLED19990303KA	
10	WKJT.L	390830N 883336W	19.6	232	272A 6	Teutopolis	IL	BLH19941026KA	
11	WKZI.L	391816N 875817W	35.8	80	800 0.25	CASEY	IL	BL	
12	WLBH.L	393105N 882215W	29.8	1	1170 5	MATTOON	IL	BL	
13	WLBHFM.L	393102N 882213W	29.7	1	245B 50	Mattoon	IL	BLH6155	
14	WLKL.L	392507N 882255W	18.8	359	210A 1.3	Mattoon	IL	BLED19810914AF	
15	WMIX.L	382214N 885524W	108.4	205	940 5	MOUNT VERNON	IL	BL19900222AB	
16	WRAN.L	391648N 885822W	51.3	274	252A 3.7	Tower Hill	IL	BLH20011120ABI	
17	WTRH.L	390806N 890602W	63.5	258	227A 3	Ramsey	IL	BLED19990405KC	
18	WUSI.L	385018N 880746W	50.6	154	212B 25	Olney	IL	BLED19921113KD	
19	WXEF.L	390725N 883828W	26.6	238	250A 6	Effingham	IL	BLH19940908KB	
20	WXET.L	393415N 881817W	36.2	10	300A 2.5	Arcola	IL	BLH19920414KA	

Number in list= 20

# E-6 WMCi Duopoly Market #3 Plot

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## WMCi

BLH19961203KB  
Latitude: 39-14-59 N  
Longitude: 088-22-48 W  
ERP: 11.00 kW  
Channel: 267  
Frequency: 101.3 MHz  
AMSL Height: 332.75 m  
Elevation: 183.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: None

