

FCC Form 340 - Exhibit VII-16

WRVM, Inc. - 201C3 Merrill, WI

Channel Study

KILGORE BROADCAST MAINTENANCE

Page No 1
631mRCAMSL

FILE: Mer201C1.D03	Johnson Farm	63.000kW 178mEAH
FCC DATABASE: 20080221	Merrill, WI	LATITUDE: 45-20-48
DATE: 02-22-2008	CH 201C1 Cleared by 60 km	LONGITUDE: 89-38-54

Call	City of License	ST	hERPkw	hAMSL	hEAH	Latitude	AzTo	Dist-km
Auth	Channel Freq	Updated	vERPkw	vAMSL	vEAH	Longitude	AzFr	Req-km
File#	Owner					AppID	FacID	Clrd-km

WJTY	LANCASTER	WI	7.000	470	145	42-57-08N	193.2	273.3
LIC	201C2 88.1	US	50.000	470	145	90-25-47W	13.2	198.8
BLED-970416KC FAMILY LIFE BROADCASTING, INC.						244869	32365	74.5 CLEAR
Prop	63.000kW	207mEAH	60.0dBuF(50,50)			60.11km +		
WJTY	50.000kW	148mEAH	40.0dBuF(50,10)			137.46km = 197.57km		
WJTY	50.000kW	148mEAH	60.0dBuF(50,50)			51.90km +		
Prop	63.000kW	207mEAH	40.0dBuF(50,10)			146.89km = 198.79km		

WHID	GREEN BAY	WI	17.000	552	309	44-21-32N	129.9	171.3
LIC	201C1 88.1	US	17.000	552	309	87-59-07W	309.9	170.1
BLED-980312KA BOARD OF REGENTS, UNIVERSITY O						263604	4215	1.2 CLOSE
Dir Ant = ODD ODD971015IA @ 0.0 Deg								

----- PROPOSED ANTENNA DIRECTIONAL WITH 3.968kW @ 129.9 DEGREES -----

Prop	3.323kW	179mEAH	60.0dBuF(50,50)			33.46km +		
WHID	17.000kW	345mEAH	40.0dBuF(50,10)			136.76km = 170.12km		
WHID	17.000kW	345mEAH	60.0dBuF(50,50)			57.86km +		
Prop	3.323kW	179mEAH	40.0dBuF(50,10)			91.56km = 149.42km		

W201CX	MEDFORD	WI	0.120	463	0	45-07-41N	245.8	59.2
LIC	201D 88.1	US	0.120	463	0	90-20-10W	65.8	152.8
BLFT-050729AA WRVM, INC.						1076987	122222	-93.6 NOT REQ
Border= C Dist=320								
Prop	63.000kW	186mEAH	60.0dBuF(50,50)			58.27km +		
W201CX	0.120kW	30mEAH	40.0dBuF(50,10)			19.59km = 77.86km		
W201CX	0.120kW	30mEAH	60.0dBuF(50,50)			5.88km +		
Prop	63.000kW	186mEAH	40.0dBuF(50,10)			146.89km = 152.76km		

W201CW	MERRILL	WI	0.120	443	0	45-09-47N	192.4	20.9
LIC	201D 88.1	US	0.120	443	0	89-42-19W	12.4	152.9
BLFT-070810AC WRVM, INC.						1199709	122217	-132.0 NOT REQ
Border= C Dist=314								
Prop	63.000kW	207mEAH	60.0dBuF(50,50)			60.13km +		
W201CW	0.120kW	31mEAH	40.0dBuF(50,10)			20.01km = 80.13km		
W201CW	0.120kW	31mEAH	60.0dBuF(50,50)			5.99km +		
Prop	63.000kW	207mEAH	40.0dBuF(50,10)			146.89km = 152.88km		

WWEN	WENTWORTH	WI	0.000	0	0	46-25-07N	304.0	212.8
CP	201C2 88.1	US	31.000	454	90	91-55-12W	124.0	188.1
BPED-071012DY AMERICAN FAMILY ASSOCIATION						1211442	88658	24.7 CLOSE
Border= C Dist=184								
Prop	63.000kW	186mEAH	60.0dBuF(50,50)			58.22km +		
WWEN	31.000kW	103mEAH	40.0dBuF(50,10)			119.41km = 177.63km		
WWEN	31.000kW	103mEAH	60.0dBuF(50,50)			41.26km +		
Prop	63.000kW	186mEAH	40.0dBuF(50,10)			146.89km = 188.14km		

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FILE: Mer201C1.D03	Johnson Farm	63.000kW	178mEAH
FCC DATABASE: 20080221	Merrill, WI	LATITUDE: 45-20-48	
DATE: 02-22-2008	CH 201C1 Cleared by 60 km	LONGITUDE: 89-38-54	

Call	City of License	ST	hERPkw	hAMSL	hEAH	Latitude	AzTo	Dist-km
Auth	Channel Freq	Updated	vERPkw	vAMSL	vEAH	Longitude	AzFr	Req-km
File#	Owner					AppID	FacID	Clrd-km

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NEW      MERRILL          WI  10.000  512   89  45-08-55N 166.2   22.7
APP      201C3  88.1      US  10.000  512   89  89-34-46W 346.2  177.2
BNPED-071019AT  WRVM, INC.          1224755  176585 -154.5 SHORT /1
Border= C  Dist=315
Dir Ant =      @  0.0 Deg
  Prop      63.000kW  192mEAH  60.0dBuF(50,50)  58.77km +
NEW      10.000kW   91mEAH  40.0dBuF(50,10)  93.43km = 152.20km
NEW      10.000kW   91mEAH  60.0dBuF(50,50)  30.33km +
  Prop      63.000kW  192mEAH  40.0dBuF(50,10)  146.89km = 177.22km
Station  DAAzim RotateANT  Azim  BEARFM  PwrRatio RadialERP

WKPK     MICHIGAMME      MI   0.000    0    0  46-36-14N  48.4  210.3
CP MOD 202C2  88.3      US  15.000  645  264  87-37-15W 228.4  132.1
BMPED-070627AD  NORTHLAND COMMUNITY BRAODCASTE 1179455  92241  78.2 CLEAR
Border= C  Dist=137  Intl Class= B
  Prop      63.000kW  125mEAH  60.0dBuF(50,50)  50.76km +
WKPK      15.000kW  205mEAH  54.0dBuF(50,10)  69.37km = 120.13km
WKPK      15.000kW  205mEAH  60.0dBuF(50,50)  46.91km +
  Prop      63.000kW  125mEAH  54.0dBuF(50,10)  85.22km = 132.13km

WLVM     IRONWOOD       MI   0.000    0    0  46-26-28N 340.9  128.7
CP MOD 202A  88.3      US   0.300  600  157  90-11-26W 160.9  99.9
BMPED-070823AE  EDUCATIONAL MEDIA FOUNDATION 1201452  92279  28.8 CLOSE
Border= C  Dist=173
  Prop      63.000kW  187mEAH  60.0dBuF(50,50)  58.31km +
WLVM      0.300kW   117mEAH  54.0dBuF(50,10)  22.01km = 80.32km
WLVM      0.300kW   117mEAH  60.0dBuF(50,50)  14.63km +
  Prop      63.000kW  187mEAH  54.0dBuF(50,10)  85.22km = 99.85km

WHWC     MENOMONIE      WI  71.000  625  320  45-02-49N 259.2  177.2
LIC      202C1  88.3      US  71.000  625  320  91-51-47W  79.2  158.4
BLED-980904KB  STATE OF WISCONSIN - EDUCATION 273617  63078  18.8 CLOSE
Dir Ant = ODD ODD971103IA @  0.0 Deg
  Prop      63.000kW  181mEAH  60.0dBuF(50,50)  57.77km +
WHWC      70.000kW  306mEAH  54.0dBuF(50,10)  100.67km = 158.44km
WHWC      70.000kW  306mEAH  60.0dBuF(50,50)  69.23km +
  Prop      63.000kW  181mEAH  54.0dBuF(50,10)  85.22km = 154.45km
Station  DAAzim RotateANT  Azim  BEARFM  PwrRatio RadialERP

NEW      RIPON          WI   0.001  390  102  43-44-30N 160.1  189.7
APP      202C3  88.3      US   8.000  390  102  88-50-04W 340.1  115.0
BNPED-071012AA  VCY AMERICA INC.          1203264  172389  74.7 CLEAR
Dir Ant =      @ 133.0 Deg
  Prop      63.000kW  188mEAH  60.0dBuF(50,50)  58.41km +
NEW      8.000kW   97mEAH  54.0dBuF(50,10)  46.25km = 104.66km
NEW      8.000kW   97mEAH  60.0dBuF(50,50)  29.79km +
  Prop      63.000kW  188mEAH  54.0dBuF(50,10)  85.22km = 115.01km

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FCC DATABASE: 20080221	Merrill, WI	LATITUDE: 45-20-48	
DATE: 02-22-2008	CH 201C1 Cleared by 60 km	LONGITUDE: 89-38-54	

Call	City of License	ST hERPkw hAMSL hEAH	Latitude	AzTo	Dist-km
Auth	Channel Freq	Updated vERPkw vAMSL vEAH	Longitude	AzFr	Req-km
File#	Owner		AppID	FacID	Clrd-km

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NEW      WISCONSIN DELLS      WI  37.000  338   94  43-47-38N 171.7  174.4
APP      202C2  88.3           US  37.000  338   94  89-19-48W 351.7  125.5
BNPED-071022BI  BASALT OF THE EARTH, INC.  1215414  176982  48.9 CLOSE
Dir Ant = @ 0.0 Deg

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Prop      63.000kW  198mEAH  60.0dBuF(50,50)  59.29km +
NEW      37.000kW   89mEAH  54.0dBuF(50,10)  63.18km = 122.46km
NEW      37.000kW   89mEAH  60.0dBuF(50,50)  40.28km +
Prop      63.000kW  198mEAH  54.0dBuF(50,10)  85.22km = 125.50km
Station  DAAzim RotateANT  Azim  BEARFM  PwrRatio RadialERP

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NEW      MARKESAN             WI  30.000  342   73  43-41-51N 166.4  188.5
APP      202C3  88.3           US  30.000  342   73  89-05-30W 346.4  126.7
BNPED-071022AU  OPTIMA ENRICHMENT, INC.  1227249  175800  61.8 CLEAR
Dir Ant = @ 0.0 Deg

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Prop      63.000kW  192mEAH  60.0dBuF(50,50)  58.79km +
NEW      30.000kW  106mEAH  54.0dBuF(50,10)  63.68km = 122.47km
NEW      30.000kW  106mEAH  60.0dBuF(50,50)  41.50km +
Prop      63.000kW  192mEAH  54.0dBuF(50,10)  85.22km = 126.72km

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WGNV     MILLADORE            WI  50.000  532  178  44-38-37N 191.3  79.7
LIC      203C1  88.5           US  50.000  532  178  89-50-48W 11.3   66.6
BLED-930628KC  EVANGEL MINISTRIES, INC.  187642   19877   13.1 CLOSE
Docket# 90-606  Dist= 0

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Prop      63.000kW  208mEAH  60.0dBuF(50,50)  60.19km +
WGNV     50.000kW  172mEAH  100.0dBuF(50,10)  6.38km = 66.57km
WGNV     50.000kW  172mEAH  60.0dBuF(50,50)  54.84km +
Prop      63.000kW  208mEAH  100.0dBuF(50,10)  6.86km = 61.70km

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NEW      RHINELANDER          WI  50.000  601  103  45-46-30N 33.2   56.9
APP      204C2  88.7           US  50.000  601  103  89-14-55W 213.2  54.5
BNPED-071022AV  CHRISTIAN VISION INC.  1213640  175849   2.4 CLOSE
Border= C  Dist=245

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Dir Ant = @ 0.0 Deg

----- PROPOSED ANTENNA DIRECTIONAL WITH 37.076kW @ 33.2 DEGREES -----

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Prop      37.406kW  154mEAH  60.0dBuF(50,50)  49.79km +
NEW      34.862kW  116mEAH  100.0dBuF(50,10)  4.72km = 54.51km
NEW      34.862kW  116mEAH  60.0dBuF(50,50)  43.73km +
Prop      37.406kW  154mEAH  100.0dBuF(50,10)  5.55km = 49.28km
Station  DAAzim RotateANT  Azim  BEARFM  PwrRatio RadialERP

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/1 This is the subject of this application

**** END OF STUDY ****