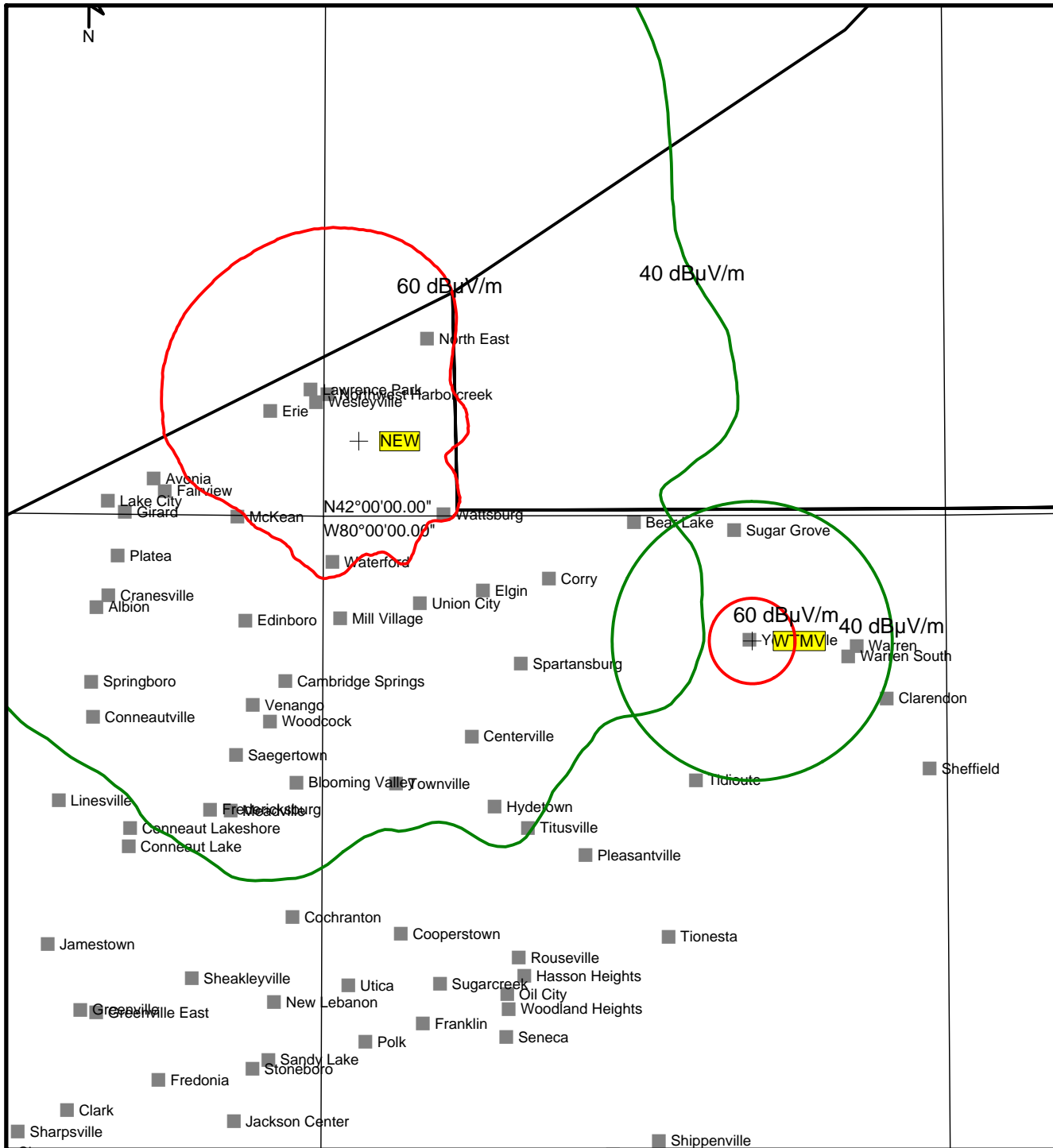


# EXHIBIT 15

REFERENCE CH# 203A - 88.5 MHz, Pwr= 0.75 kW, HAAT=152.0 M, COR= 508 M DISPLAY DATES  
42 05 25 N Average Protected F(50-50)= 21.27 km  
79 56 37 W Ave. F(50-10) 40 dBu= 65.2 54 dBu= 31.5 80 dBu= 6.7 100 dBu= 1.6

CH CITY	CALL STATE	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
203A Erie	WMCE.C	CP CX PA	0.0 180.0	0.00 BPED20030613AMC	42 05 25 79 56 37	0.750 80	503 79.6	15.1 Mercyhurst College	-80.62*	-94.77*
203A Erie	WMCE	LIC CN PA	267.8 87.8	0.80 BLED19890214KA	42 05 24 79 57 12	0.250 32	468 73.0	7.3 Mercyhurst College	-48.20*	-79.50*
203A Youngsville	WTMV	LIC CN PA	116.8 296.8	58.80 BLED19990325KC	41 51 01 79 18 41	0.100 -112	380 51.8	5.6 Living Word Of Faith Chris	25.41	1.33
203B Youngstown	WYSU	LIC DCN OH	207.2 27.2	128.86 BLED19900613KB	41 03 24 80 38 44	10.983 130	436 58.3	36.7 Youngstown State Universit	9.34	33.90
201A Erie	WEFR	LIC CN PA	225.2 45.2	19.54 BLED19920520KB	41 57 59 80 06 40	0.630 91	497 1.6	15.5 Family Stations, Inc.	0.46	2.39
202B Paris	ALLO	OPE C ON	342.7 162.7	136.32 RM9500	43 15 39 80 26 39	50.000 175	437 58.4	68.0	26.01	9.88
205A Edinboro	WFSE	LIC CN PA	219.4 39.4	30.53 BLED19840417BY	41 52 41 80 10 40	3.000 60	473 1.6	19.0 Edinboro University Of Pen	11.58	9.90
203B Newmarket	NEW	PRO HN ON	9.0 189.0	216.13	44 00 40 79 31 09	30.000 162	455 97.3	61.7	60.73	57.16
201A Jamestown	WUBJ	LIC DC NY	78.5 258.5	50.77 BLED20010308AAH	42 10 47 79 20 29	0.180 155	605 1.6	14.8 State University Of New Yo	35.13	34.34
203B1 Indiana	AP203	APP DVX PA	150.3 330.3	164.96 BNPED20000331AAF	40 47 50 78 58 20	4.600 228	668 53.5	38.8 Duquesene University Of Th	49.47	72.64
204B Buffalo	WBFO	LIC DCN NY	43.2 223.2	140.18 BLED19980625KB	43 00 12 78 45 56	50.000 80	264 27.9	41.0 State University Of New Yo	55.67	71.31
204A Grove City	AP204	APP H PA	185.9 5.9	102.44 BNPED19991208AAJ	41 10 22 80 04 11	0.400 24	442 26.4	8.0 Solid Rock Broadcasting, I	73.23	68.08
206B Thompson	WKSJ	LIC DCN OH	244.5 64.5	101.73 BLED19970508KA	41 41 29 81 02 49	4.013 159	436 1.5	31.8 Kent State University	79.38	68.39
205A Fredonia	WCVFFM	LIC CN NY	50.9 230.9	64.18 BLED19811019AQ	42 27 08 79 20 14	0.130 14	237 1.6	6.0 Bd. Of Trustees Of State U	47.62	56.56
202A Painesville	970311	APP CN OH	248.7 68.7	116.01 BPED19970311MA	41 42 17 81 14 34	0.700 47	283 30.6	11.5 La Cadena Mundial Hispana,	78.66	73.88
202A St. Bonaventure	WSBU	LIC HN NY	90.1 270.1	120.67 BLED19820513AF	42 04 45 78 29 07	0.165 -48	459 20.4	6.4 St. Bonaventure University	97.83	93.85
201A Greenville	WTGP	LIC HN PA	205.9 25.9	83.43 BLED19881213KA	41 24 51 80 22 50	1.100 -11	345 1.6	10.4 Thiel College	63.79	71.42
257B1 Franklin	WOXX	LIC CN PA	178.8 358.8	72.49 BLH19891121KC	41 26 16 79 55 29	7.300 153	598 19.2	41.7 Forever Broadcasting, Llc	12.0R	60.5M
203A Vandergrift	AP203	APP VX PA	168.7 348.7	176.19 BNPED20000214AAE	40 32 03 79 32 02	0.120 234	555 52.3	16.5 Pensacola Christian Colleg	107.72	107.31
206A Crown	AP206	APP V PA	144.6 324.6	93.78 BNPED19991206AAH	41 24 05 79 17 30	0.100 70	501 1.6	8.7 John R. Benjamin	78.34	83.51
206B Paris	ALLO	ON	342.7 162.7	136.32 RM	43 15 39 80 26 39	50.000 175	437 3.1	68.0	101.18	65.15
202B1 Warsaw	WCOU	LIC ZC NY	59.5 239.5	164.61 BLED20030728AAK	42 49 36 78 12 25	11.000 120	563 21.4	35.5 Family Life Ministries, In	96.36	107.77
06+1 Paris	CIITV	LI HN ON	342.7 162.7	136.35	43 15 39 80 26 39	100.000 -262	0 280.9	59.0 To Grd B=		77.32

\*\*\*Affixed to 'IN' or 'Out' values = site inside protected contour.  
ERP and HAAT are on direct line to and from reference station.

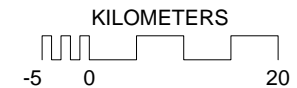


Prop. model: FCC-EDX  
 Time: 50.0% Loc.: 50.0%  
 Prediction Confidence Margin: 0.0dB  
 Climate: Continental Temperate  
 Land use (clutter): none  
 Atmospheric Abs.: none  
 K Factor: 1.333  
 RX Antenna - Type: OMNI  
 Height: 9.1 m AGL Gain: 0.00 dBd

#### Interference contour study

Propagation methods:  
 service contour : FCC-EDX 50.0%  
 cochannel interference : FCC-EDX 10.0%

■ = 60.0 dBuV/m service contour  
 ■ = 40.0 dBuV/m cochannel interference  
 Reference Grid (spacing: 1 degree)



**OWL ENGINEERING, INC**  
 WMCE-WTMV INTERFERENCE STUDY  
 FIGURE 4 NOVEMBER 6, 2003

