

Page 1
VCY America, Inc.
Identification of Facilities
Oshkosh, WI

CALL FORMAT LATITUDE	ST	CITY ARN LONGITUDE	FREQ OWNER HAAT:m AMSL:m	CHN	CL	ERP	STAT
Proposed	WI	OSHKOSH	99.90000		D	155.00	APP
Unknown or New	CP	BNPFT-20180314AAT	VCY AMERICA, INC.				
44-03-51.1	N	88-31-42.6 W	85.896 318.400				
W260DL	WI	OSHKOSH	99.90000		D	250.00	CP
Unknown or New	CP	BNPFT-20180314AAT	VCY AMERICA, INC.				
44-04-53.0	N	88-33-53.0 W	65.307 337.000				
WPKR	WI	OMRO	99.50000		C2	25000.00	LIC
Unknown or New	CP	BLH-20040123BEI	CUMULUS LICENSING LLC				
43-49-43.9	N	88-40-06.4 W	113.369 423.000				
WNCY-FM	WI	NEENAH-MENASHA	100.30000		C2	45000.00	LIC
Unknown or New	CP	BLH-19950526KB	MIDWEST COMMUNICATIONS, INC.				
44-15-26.9	N	88-11-41.3 W	115.979 377.000				
WSAU-FM	WI	RUDOLPH	99.90000		C3	13000.00	LIC
Unknown or New	CP	BLH-19960415KE	WRIG, INC				
44-20-18.8	N	89-38-55.4 W	89.649 459.000				
WDKF	WI	STURGEON BAY	99.70000		C2	46000.00	LIC
Unknown or New	CP	BLH-19910211KD	MIDWEST COMMUNICATIONS INC				
44-38-07.9	N	87-37-37.3 W	123.763 373.000				
WJVL	WI	JANESVILLE	99.90000		B1	11000.00	LIC
Unknown or New	CP	BLH-19891018KB					
42-43-47.0	N	89-10-10.4 W	116.262 427.000				
W260DP	WI	PEWAUKEE	99.90000		D	250.00	CP
Unknown or New	CP	BNPFT-20180507ADJ	RELEVANT RADIO, INC.				
43-04-38.0	N	88-11-32.0 W	-2.546 303.000				
WOWN	WI	SHAWANO	99.30000		C3	14000.00	LIC
Unknown or New	CP	BLH-19930726KZ	RESULTS BROADCASTING INC.				
44-45-13.9	N	88-20-01.3 W	108.395 390.000				
WSJP-FM	WI	PORT WASHINGTON	100.10000		A	6000.00	APP
Unknown or New	CP	0000123991	RELEVANT RADIO, INC.				
43-25-14.0	N	87-59-40.3 W	72.830 349.000				
WSJP-FM	WI	PORT WASHINGTON	100.10000		A	6000.00	LIC
Unknown or New	CP	BLH-19970624KC	RELEVANT RADIO, INC.				
43-25-14.0	N	87-59-40.3 W	73.401 349.000				

Page 2
VCY America, Inc.
Identification of Facilities
Oshkosh, WI

WDDC	WI	PORTAGE	100.10000	A	3100.00	LIC
Unknown or New CP BLH-19990329KG MAGNUM COMMUNICATIONS, INC.						
43-31-41.9	N	89-26-01.4 W	73.862	367.000		
W260CV	WI	RACINE	99.90000	D	250.00	LIC
Unknown or New CP BLFT-20160817AAN DAVID R. MAGNUM						
42-42-38.1	N	87-49-49.3 W	76.992	306.000		
W259BC	WI	BARABOO	99.70000	D	250.00	LIC
Unknown or New CP BLFT-20160819AAX BARABOO BROADCASTING CORPORATION						
43-25-49.9	N	89-39-13.4 W	225.687	556.000		
W259DF	WI	WITTENBERG	99.70000	D	250.00	CP
Unknown or New CP BNPFT-20180314ACN RESULTS BROADCASTING, INC.						
44-53-08.9	N	89-12-25.4 W	24.016	459.000		
WFEL-LP	IL	ANTIOCH	99.90000	LP100	49.00	LIC
Unknown or New CP BLL-20041213AAG FAITH EVANGELICAL LUTHERAN CHURCH						
42-29-25.1	N	88-06-25.3 W	2.382	280.000		
WAVL	WI	ROTHSCHILD	100.50000	C3	25000.00	LIC
Unknown or New CP BLH-20100125AAO SUNRISE BROADCASTING LLC.						
44-50-12.9	N	89-45-57.4 W	30.288	461.000		
MM-FM1083-A	MI	Custer	99.90000	A	0.00	
Unknown or New CP FM ALLOTMENT FCC Auction 106						
43-58-16.0	N	86-19-42.0 W	-20.711	212.000		
WPNE	WI	GREEN BAY	89.30000	C1	100000.00	LIC
Unknown or New CP BLED-20030815ADO STATE OF WISCONSIN - EDUCATIONAL COMMUNICATIONS BOARD						
44-24-35.0	N	88-00-06.4 W	256.399	513.000		
MM-FM1205-A	MI	Carney	99.90000	A	0.00	
Unknown or New CP FM ALLOTMENT FCC Auction 106						
45-35-30.0	N	87-39-37.0 W	-31.122	251.000		
WRHN	WI	RHINELANDER	100.10000	C1	100000.00	LIC
Unknown or New CP BMLH-20131230AMA NRG LICENSE SUB, LLC						
45-37-41.8	N	89-23-38.5 W	18.857	575.000		
WQLQ	MI	BENTON HARBOR	99.90000	B	50000.00	LIC
Unknown or New CP BLH-19990210KC WSJM, INC.						
41-57-42.2	N	86-21-02.1 W	95.718	337.000		
W260BL	IL	WAUKEGAN	99.90000	D	10.00	LIC
Unknown or New CP BLFT-20071026ACO CALVARY RADIO NETWORK, INC.						
42-19-44.1	N	87-54-38.3 W	64.535	303.000		

Page 3
VCY America, Inc.
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Oshkosh, WI

WYML-LP IL INGLESIDE 99.90000 LP100 100.00 LIC
Unknown or New CP BLL-20160119AAH LOCAL COMMUNITY BROADCASTING INC
42-17-04.7 N 88-15-43.1 W -37.794 244.200

W263BQ WI SHEBOYGAN 100.50000 D 150.00 LIC
Unknown or New CP BLFT-20121203ACC WRVM, INC.
43-45-56.0 N 87-45-59.3 W 32.548 266.000

WIWI-LP WI MILWAUKEE 99.70000 LP100 80.00 LIC
Unknown or New CP BLL-20181127AAS MILWAUKEE HISPANIC RADIO, INC.
42-59-24.1 N 87-57-02.3 W 3.743 244.600

W261DM MI MENOMINEE 100.10000 D 250.00 LIC
Unknown or New CP BLFT-20180321AAC RADIO PLUS BAY CITIES, LLC
45-06-26.9 N 87-36-25.4 W 21.904 233.000

Terrain Data is calculated using USGS 3 ARC second Data.

Page 4
VCY America, Inc.
Interference Area
Oshkosh, WI

The proposed translator will broadcast on 260, which is within the 60 dBu contour of second adjacent stations WPKR on channel 258 and WNCY-FM on channel 262. The WPKR interfering contour at the translator site is 69.9 dBu F(50,50) and the WNCY-FM interfering contour at the translator site is 68.3 dBu F(50,50). Using the ratio of 100:1 (translator to WPKR & WNCY-FM) on the second adjacent channel, the population within the proposed translator 109.9 dBu and 108.3 dBu contours is zero. Applying the antenna manufacturer's vertical radiation pattern the area of interference is able to be more accurately calculated geometrically than just by using the free space equation alone. This particular antenna is a two bay full wave spaced Nicom BKG77. It was determined from the manufacturer's vertical plan that from 50 degrees to 65 degrees below horizontal the interference area would reach the ground and extend 72.6 meters horizontally. We have proposed the antenna radiation center will be 88.4 meters above ground with an Effective Radiated Power of 155 watts. There are no occupied structures or major roadways within the interference area of the translator.

Therefore, the application is in compliance with the following: §74.1204 (d) "The provisions of this section concerning prohibited overlap will not apply where the area of such overlap lies entirely over water. In addition, an application otherwise precluded by this section will be accepted if it can be demonstrated that no actual interference will occur due to intervening terrain, lack of population or such other factors as may be applicable."

Allocation Study

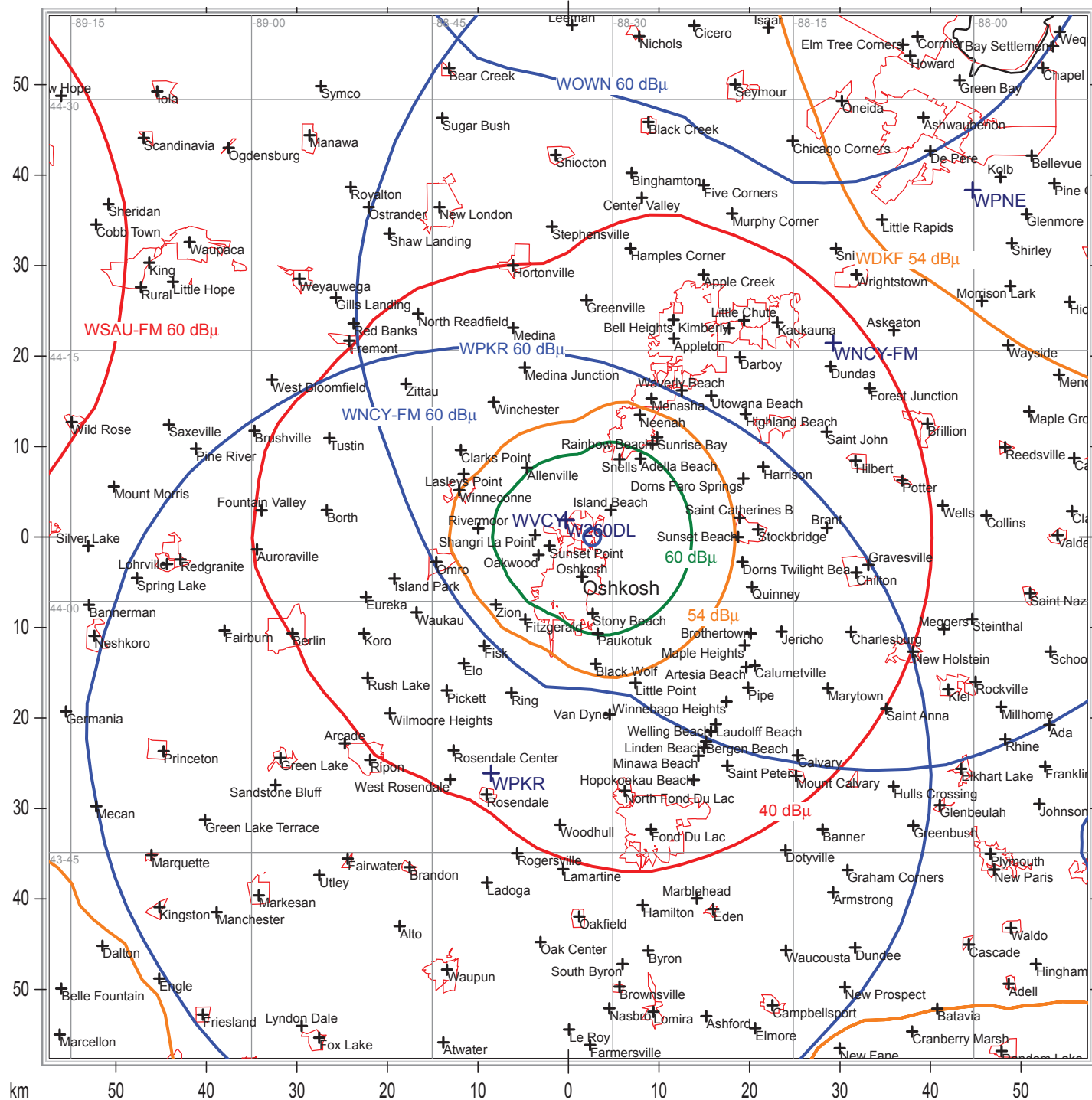


Figure 1
VCY America, Inc.
Allocation Study
Oshkosh, WI

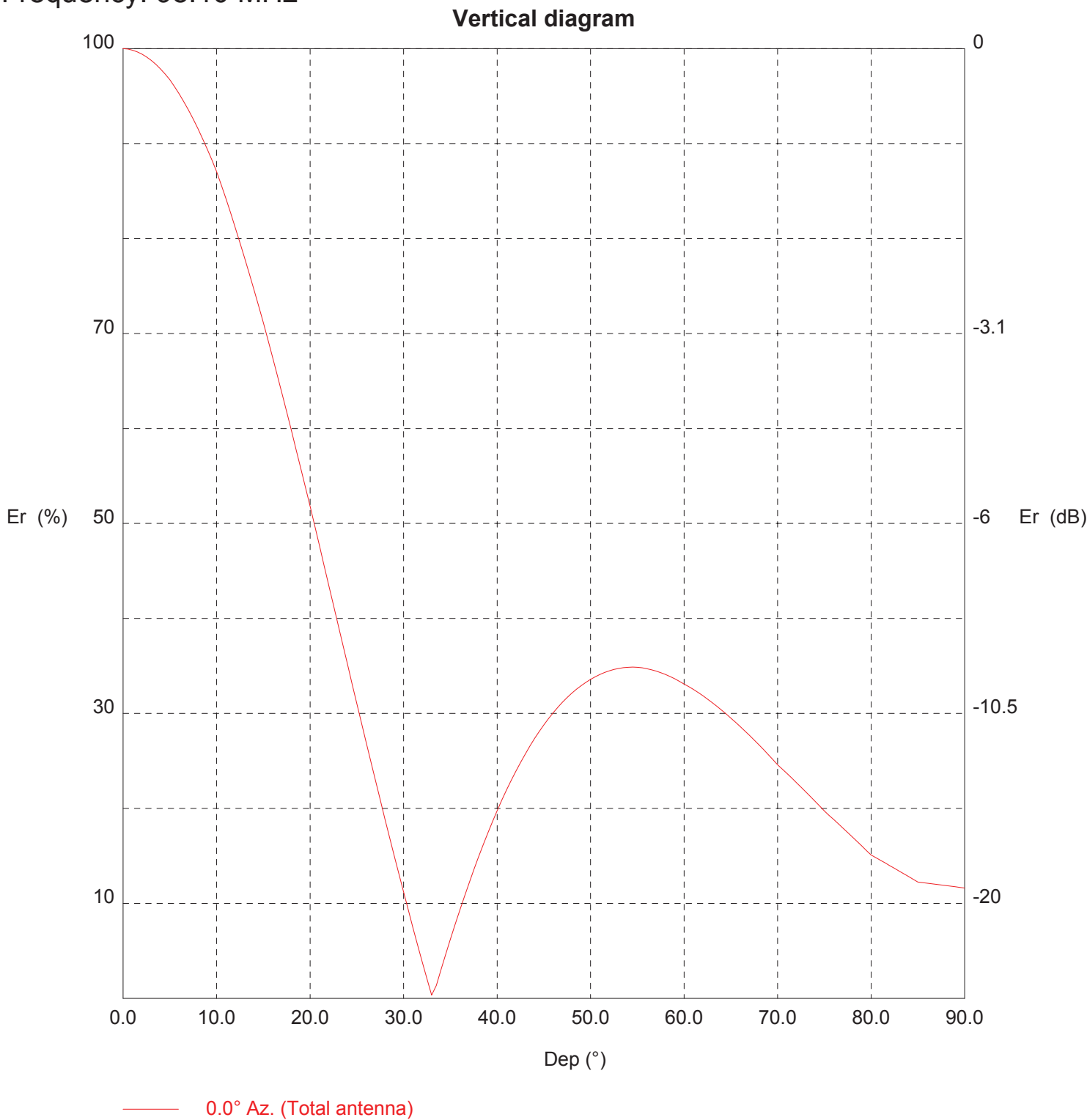
State Borders City Borders Lat/Lon Grid

Figure 2
Minimum Ground Clearance

Depression Angle Below Horizontal	Antenna Relative Field	ERP (Watts)	Distance to interfering Contour from Antenna (m)	Horizontal Distance of Interfering contour from tower (m)	Vertical Clearance of Interfering contour above TGL (m)
5	0.967	144.9	325	323.8	60.1
10	0.871	117.6	293	288.5	37.5
15	0.711	78.4	239	230.9	26.5
20	0.518	41.6	174	163.5	28.9
25	0.310	14.9	104	94.3	44.4
30	0.112	1.9	37	32.0	69.9
35	0.062	0.6	21	17.4	76.4
40	0.209	6.8	70	53.6	43.4
45	0.288	12.9	97	68.6	19.8
50	0.336	17.5	113	72.6	1.8
55	0.349	18.9	117	67.1	-7.4
60	0.331	17.0	111	55.5	-7.7
65	0.295	13.5	99	41.8	-1.3
70	0.246	9.4	83	28.4	10.4
75	0.197	6.0	66	17.1	24.6
80	0.151	3.5	50	8.7	39.2
85	0.122	2.3	41	3.6	47.6
90	0.117	2.1	39	0.0	49.4
Minimum Clearance above TGL:					-7.7

TX station: BKG77/2 GENERIC
Frequency: 98.10 MHz

Site name: 3/4 WAVE SEPARATION



TX station: BKG77/2 GENERIC

Site name: 3/4 WAVE SEPARATION

Frequency: 98.10 MHz

Vertical diagram at an azimuth of 0° degrees

Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)
0.0	100.0	914.2	30.0	11.2	11.5	60.0	33.1	100.1
0.5	100.0	913.3	30.5	9.3	7.9	60.5	32.8	98.4
1.0	99.8	911.3	31.0	7.5	5.1	61.0	32.5	96.7
1.5	99.7	908.1	31.5	5.6	2.9	61.5	32.2	94.8
2.0	99.4	903.9	32.0	3.8	1.3	62.0	31.9	92.8
2.5	99.1	898.4	32.5	2.1	0.4	62.5	31.5	90.8
3.0	98.8	891.9	33.0	0.3	0.0	63.0	31.1	88.7
3.5	98.4	884.3	33.5	1.4	0.2	63.5	30.8	86.5
4.0	97.9	875.7	34.0	3.0	0.8	64.0	30.4	84.2
4.5	97.3	865.9	34.5	4.6	2.0	64.5	29.9	81.9
5.0	96.7	855.2	35.0	6.2	3.5	65.0	29.5	79.5
5.5	96.0	842.7	35.5	7.8	5.5	65.5	29.1	77.2
6.0	95.2	829.2	36.0	9.3	7.9	66.0	28.6	74.8
6.5	94.4	814.9	36.5	10.7	10.5	66.5	28.2	72.5
7.0	93.5	799.7	37.0	12.1	13.5	67.0	27.7	70.0
7.5	92.6	783.6	37.5	13.5	16.7	67.5	27.2	67.6
8.0	91.6	766.9	38.0	14.9	20.2	68.0	26.7	65.1
8.5	90.5	749.4	38.5	16.1	23.8	68.5	26.2	62.7
9.0	89.4	731.2	39.0	17.4	27.7	69.0	25.7	60.2
9.5	88.3	712.5	39.5	18.6	31.6	69.5	25.1	57.8
10.0	87.1	693.1	40.0	19.8	35.7	70.0	24.6	55.3
10.5	85.7	670.8	40.5	20.9	39.8	70.5	24.1	53.3
11.0	84.2	648.2	41.0	21.9	43.9	71.0	23.7	51.2
11.5	82.7	625.3	41.5	22.9	48.1	71.5	23.2	49.2
12.0	81.2	602.3	42.0	23.9	52.2	72.0	22.7	47.2
12.5	79.6	579.0	42.5	24.8	56.4	72.5	22.2	45.2
13.0	78.0	555.7	43.0	25.7	60.4	73.0	21.7	43.2
13.5	76.3	532.4	43.5	26.5	64.4	73.5	21.2	41.3
14.0	74.6	509.1	44.0	27.3	68.3	74.0	20.7	39.3
14.5	72.9	485.8	44.5	28.1	72.1	74.5	20.2	37.4
15.0	71.1	462.7	45.0	28.8	75.8	75.0	19.7	35.5
15.5	69.3	439.1	45.5	29.5	79.3	75.5	19.3	33.9
16.0	67.4	415.8	46.0	30.1	82.7	76.0	18.8	32.4
16.5	65.6	392.9	46.5	30.7	85.9	76.5	18.4	30.8
17.0	63.6	370.3	47.0	31.2	88.9	77.0	17.9	29.3
17.5	61.7	348.1	47.5	31.7	91.8	77.5	17.4	27.8
18.0	59.8	326.5	48.0	32.1	94.4	78.0	17.0	26.4
18.5	57.8	305.3	48.5	32.6	96.9	78.5	16.5	24.9
19.0	55.8	284.7	49.0	32.9	99.2	79.0	16.0	23.5
19.5	53.8	264.7	49.5	33.3	101.2	79.5	15.6	22.1
20.0	51.8	245.3	50.0	33.6	103.1	80.0	15.1	20.8
20.5	49.7	226.1	50.5	33.9	104.8	80.5	14.8	20.0
21.0	47.6	207.5	51.0	34.1	106.3	81.0	14.5	19.3
21.5	45.6	189.8	51.5	34.3	107.6	81.5	14.3	18.6
22.0	43.5	172.8	52.0	34.5	108.7	82.0	14.0	17.8
22.5	41.4	156.7	52.5	34.6	109.6	82.5	13.7	17.1
23.0	39.3	141.3	53.0	34.7	110.3	83.0	13.4	16.4
23.5	37.2	126.8	53.5	34.8	110.8	83.5	13.1	15.7
24.0	35.2	113.0	54.0	34.9	111.1	84.0	12.8	15.0
24.5	33.1	100.1	54.5	34.9	111.2	84.5	12.5	14.4
25.0	31.0	88.1	55.0	34.9	111.1	85.0	12.2	13.7
25.5	29.0	76.8	55.5	34.8	110.7	85.5	12.2	13.6
26.0	26.9	66.3	56.0	34.7	110.2	86.0	12.1	13.4
26.5	24.9	56.7	56.5	34.6	109.4	86.5	12.1	13.3
27.0	22.9	47.9	57.0	34.5	108.5	87.0	12.0	13.2
27.5	20.9	39.9	57.5	34.3	107.5	87.5	11.9	13.0
28.0	18.9	32.7	58.0	34.1	106.3	88.0	11.9	12.9
28.5	17.0	26.3	58.5	33.9	104.9	88.5	11.8	12.8
29.0	15.0	20.6	59.0	33.6	103.5	89.0	11.7	12.6
29.5	13.1	15.7	59.5	33.4	101.8	89.5	11.7	12.5

Figure 4 Page 1
Aerial Photo of the 72.6 meter Vicinity Surrounding the Proposed Tower Site



Figure 4 Page 2
Quadrangle Map of the 72.6 meter Vicinity Surrounding the Proposed Tower Site

