

Exhibit 13.1 - Copy of Existing Antenna Structure Registration

Registration Detail

Reg Number	1208577	Status	Constructed
File Number	A0110331	Constructed	11/15/1999
FAA Study	99-AGL-3976-OE	EMI	No
FAA Issue Date	10/15/1999	NEPA	No

Antenna Structure

Structure Type TOWER - Free standing or Guyed Structure used for Communications Purposes

Location (in NAD83 Coordinates)

Lat/Long 42-55-19.0 N 085-41-07.1 W 2306 CLYDE PARK

City, State GRAND RAPIDS , MI

Center of
AM Array

Heights (meters)

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
210.9	60.7
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
271.6	60.7

Painting and Lighting Specifications

None

Owner & Contact Information

FRN	0002750651	Licensee ID	L00121850
-----	------------	-------------	-----------

Owner

TRT COMPANY
Attention To: HEATHER STAM
540 E. 24TH ST.
Holland , MI 49423

P: (616)396-3541
E: H-STAM@AMERITECH.NET

Contact

P:
E:

Last Action Status

Status	Constructed	Received	02/12/2001
Purpose	Notification	Entered	01/14/2000
Mode	Mail In (Manual)		

Related Applications

02/12/2001	A0168629 - Notification (NT)
12/27/1999	A0110331 - New (NE)

Comments

Comments

None



Exhibit 13.2

Vertical Plan of Antenna System

The site is located at 2306 Clyde Park,
the city of Grand Rapids, Kent County, Michigan.

Site Location (NAD 27)

NL: 42° 55' 19"

WL: 85° 41' 07"

NOTE: Existing Tower Construction

Antenna Structure Registration No.
1208577

Proposed Antenna
COR: 257 meters AMSL
max HAAT: N/A (Fill-In Status)

271.6 meters AMSL

60.7 meters AGL

46 meters

Ground Elevation = 210.9 m AMSL
Drawing is not to Scale

MUNN-REESE, INC.
Broadcast Engineering Consultants
Coldwater, MI 49036

Exhibit 13.3

Licensed vs. Proposed Service Contour Study



W237CZ.P
Proposed Operation
Latitude: 42-55-19 N
Longitude: 085-41-07 W
ERP: 0.25 kW
Channel: 237
Frequency: 95.3 MHz
AMSL Height: 257.0 m
Horiz. Pattern: Omni

60 dBu Contour
Total Population: 275,912
Total Area: 221 sq. km

W237CZ.L
BLFT20070413AGI
Latitude: 42-55-19 N
Longitude: 085-41-07 W
ERP: 0.055 kW
Channel: 237
Frequency: 95.3 MHz
AMSL Height: 257.0 m
Horiz. Pattern: Omni

60 dBu Contour
Total Population: 147,576
Total Area: 102 sq. km

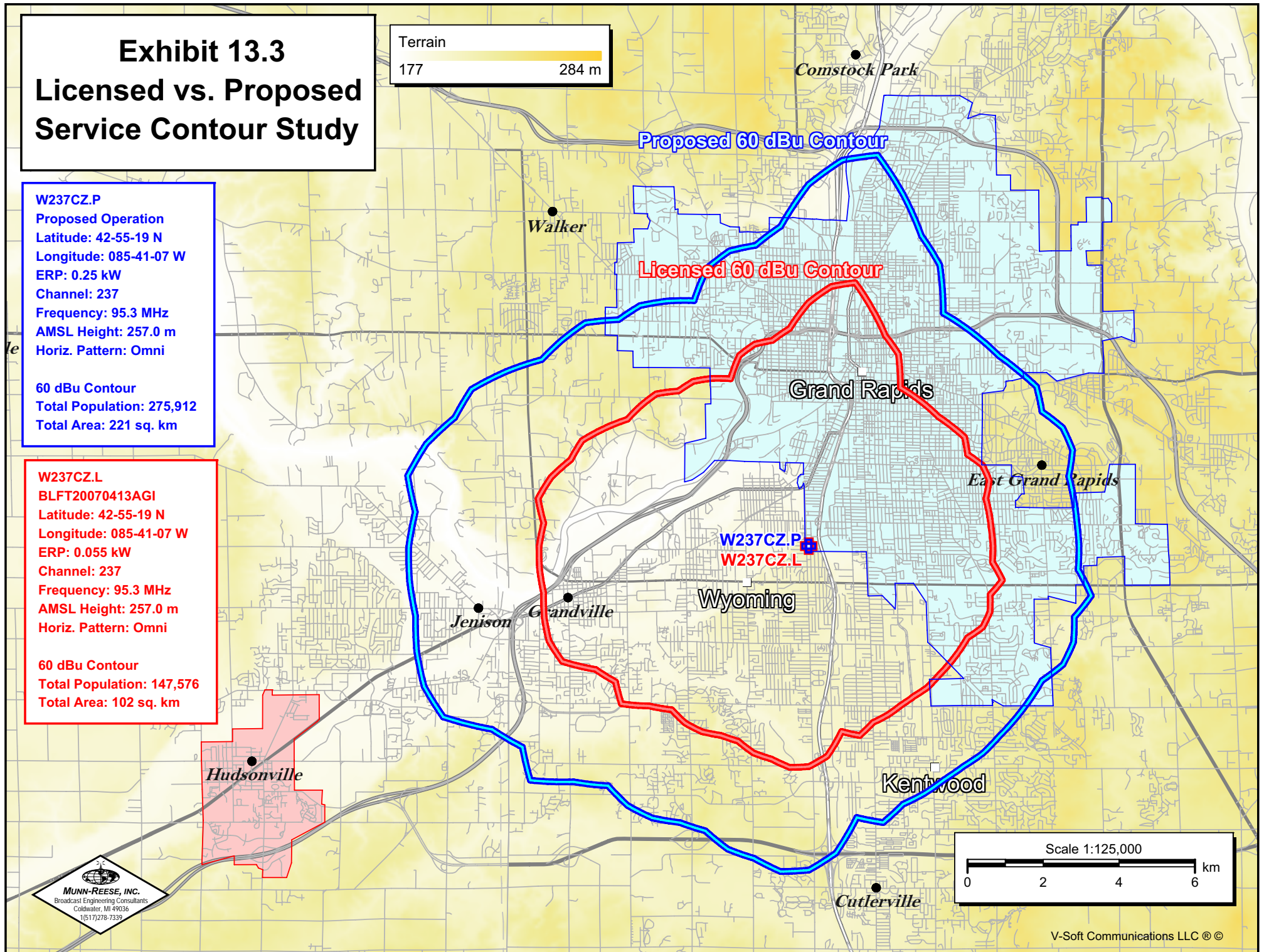


Exhibit 13.4 Proposed vs. Primary Service Contour Study



2 mV/m Daytime AM Contour
25 mile AM Site Radius

Call: WPRR(AM)
BL19990331DC
Fac ID: 87106
Freq: 1680 kHz
ADA, MI, US
Hours: D
Lat: 42-56-09 N
Lng: 085-27-26 W
Power: 10.0 kW
Theo RMS: 334.50 mV/m
@ 1km @ 1kW

W237CZ.P
Proposed Operation
Latitude: 42-55-19 N
Longitude: 085-41-07 W
ERP: 0.25 kW
Channel: 237
Frequency: 95.3 MHz
AMSL Height: 257.0 m
Horiz. Pattern: Omni

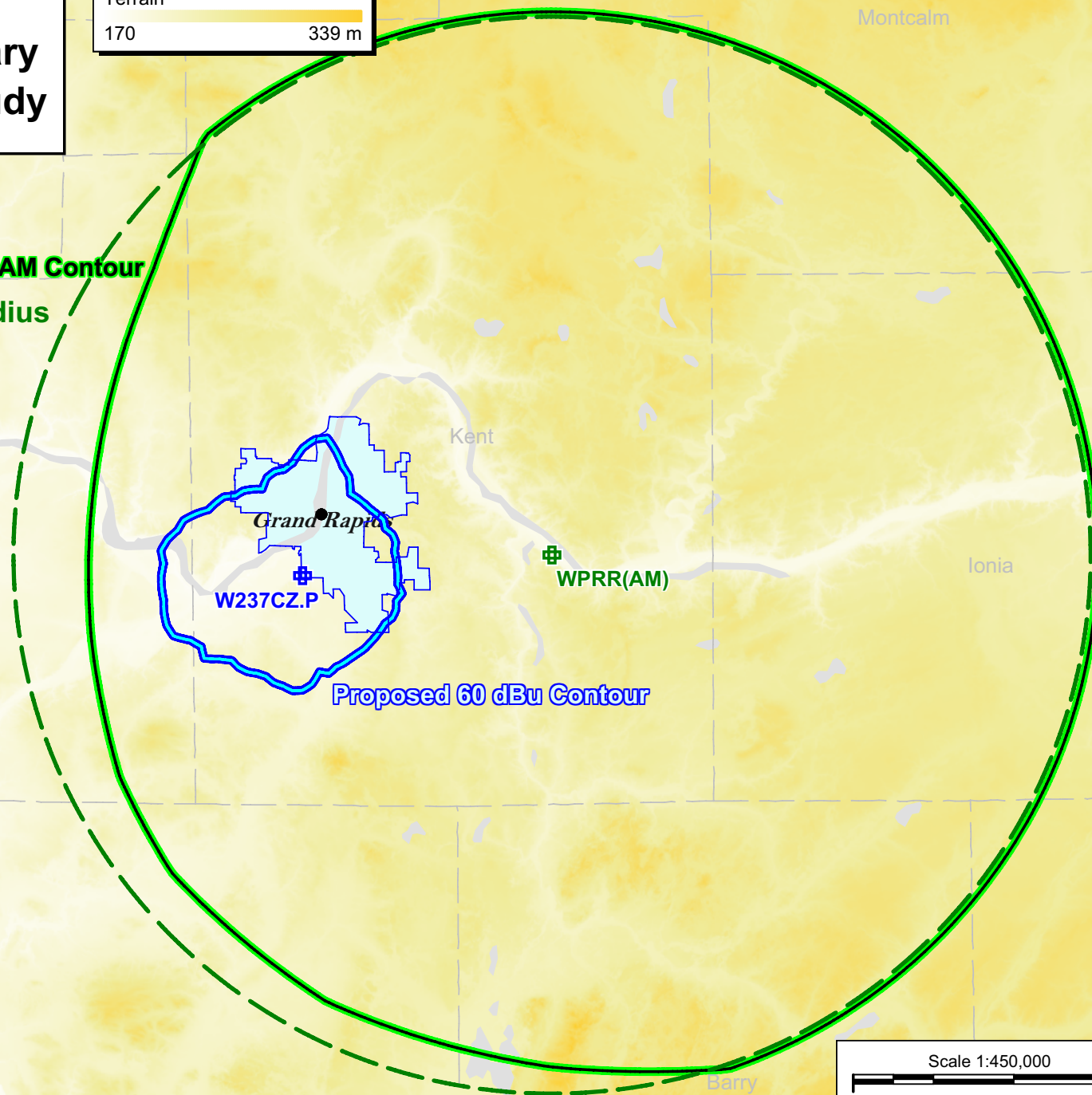


Exhibit 13.5

Tabulation of Proposed Allocation

REFERENCE		CH# 237D - 95.3 MHz, Pwr= 0.25 kW, HAAT= 0.0 M, COR= 257 M								DISPLAY DATES	
42 55 19.0 N.		Average Protected F(50-50)= 7.09 km								DATA 01-09-10	
85 41 07.0 W.		Omni-directional								SEARCH 01-13-10	
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)
237D	W237CZ	LIC _C_		0.0	0.0	42 55 19.0	0.055	21.5	6.4	-31.1*<	-38.1*<
Hudsonville		MI		0.0	BLFT20070413AGI	85 41 07.0		257	Horizon	Christian	Fellowsh
239B	WLHT-FM	LIC _CN		355.8	12.3	43 01 57.0	40.000	6.4	68.4	-2.8<	-57.7*<
Grand Rapids		MI		175.8	BLH19840120AE	85 41 47.0	168	397	Regent	Broadcasting	Of Gra
237A	WGVS-FM	LIC _CN		312.9	70.9	43 21 14.0	2.000	71.7	23.1	-9.1*<	20.1
Whitehall		MI		132.5	BLH19821105AF	86 19 38.0	110	304	Grand Valley State	Univers	
Accepted by Canada on 940207											
237A	WBCK-FM	LIC _CN		148.7	82.3	42 17 17.0	3.000	75.9	24.2	-0.8<	34.1
Battle Creek		MI		329.0	BLH6625	85 09 54.0	82	362	Capstar Tx	Limited Partner	
Accepted by Canada on 940207											
236D	W236BK	LIC _V_		47.7	23.3	43 03 45.0	0.010	4.4	3.2	11.8	10.0
Forest Hills		MI		227.8	BLFT20070727AAC	85 28 25.0		253	Horizon	Christian	Fellowsh
237A	WCFX	LIC _CN		37.7	116.1	43 44 41.0	6.000	86.1	27.9	22.9	64.5
Clare		MI		218.3	BMLH19901227KB	84 48 09.0	100	355	Grenax	Broadcasting, Llc	
Class B1 with respect to Canada											
235B	WMMQ	LIC _CN		108.1	97.0	42 38 45.0	50.000	6.0	65.6	83.7	29.8
East Lansing		MI		288.9	BLH19911106KF	84 33 38.0	150	421	Citadel	Broadcasting Compa	
235D	629243	APP _V_		293.8	40.7	43 04 07.0	0.019	0.3	6.5	30.4	33.0
Spring Lake		MI		113.5	BNPFT20030310BBP	86 08 32.0		280	Calvary Chapel	Of Twin Fal	
235D	643238	APP _C_		290.4	45.9	43 03 50.9	0.080	0.6	7.0	35.3	37.7
Grand Haven		MI		110.0	BNPFT20030317JEZ	86 12 47.8		234	Radio Assist Ministry, Inc		
237A	WAOR	LIC NCX		199.7	139.6	41 44 16.0	5.500	81.3	24.7	50.3	88.2
Niles		MI		19.3	BLH20030314AZG	86 15 10.0	84	312	Pathfinder	Communications	
236D	W236AV	LIC _C_		177.9	72.0	42 16 28.0	0.036	8.4	5.9	55.3	54.4
Kalamazoo		MI		357.9	BLFT20041228AAQ	85 39 12.0		324	Family Life Broadcasting S		
238D	W238AL	LIC _C_		173.3	76.6	42 14 13.0	0.130	12.2	8.7	56.5	56.7
Portage		MI		353.4	BLFT20060830AAF	85 34 38.0		308	Midwest Communications, In		
237D	W237BY	CP _C_		102.5	94.9	42 43 58.0	0.019	22.3	6.7	65.2	63.5
Mason		MI		283.2	BPFT20091230ABS	84 33 13.0		355	Educational Media Foundati		
240D	650063	APP _C_		122.8	83.9	42 30 38.0	0.045	0.5	6.2	76.3	76.6
Charlotte		MI		303.4	BNPFT20030317LAG	84 49 35.0		325	Family Stations, Inc.		

Terrain database is NED 03 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
 Contour distances are on direct line to and from reference station. Reference zone = 1, 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.

Yellow highlighted text denotes a \$74.1204(d) Waiver Request for given second adjacent channel interference to WLHT-FM - Grand Rapids, MI, CH239B as included in **Exhibit 13.6**. Full protection will be afforded the facility as the calculated interference area will not reach the ground or a 7 meter artificial plane representing a standard two story building when taking into account the downward radiation characteristics of the antenna as supplied by the antenna manufacturer. A copy of the antenna manufacturer specifications have been included in **Exhibit 13.7**.

Munn-Reese, Inc.

Broadcast Engineering Consultants
 Coldwater, MI 49036

WLHT-FM.L
BLH19840120AE
 Latitude: 43-01-57 N
 Longitude: 085-41-47 W
 ERP: 40.00 kW
 Channel: 239
 Frequency: 95.7 MHz
 AMSL Height: 397.0 m
 Horiz. Pattern: Omni



WLHT-FM.L

Exhibit 13.6 §74.1204(d) Second Adjacent Channel Given Interference Waiver Request Study Toward WLHT-FM - CH239B - Grand Rapids, MI

W237CZ.P
Proposed Operation
 Latitude: 42-55-19 N
 Longitude: 085-41-07 W
 ERP: 0.25 kW
 Channel: 237
 Frequency: 95.3 MHz
 AMSL Height: 257.0 m
 Horiz. Pattern: Omni

Terrain

177

257 m

Proposed Antenna: 1 Bay ERI Series 100-1(F) One Bay Fully Spaced
Proposed Power: 0.25 kW
Antenna Height AGL: 46 meters
Interference Contour: 128.5 dBu f(50:10)
Artificial Ground Plane Height: 7 meters
Distance (Free Space) Equation: $= (10^{((106.92 - [\text{desired dBu}] + [\text{ERP in dBk}]) / 20)) * 1000}$
Field Strength (dBu) Equation $= 106.92 - (20 * (\text{LOG10}[\text{DistMeters} / 1000])) + [\text{ERP in dBk}]$

Depression				Distance				
Angle	Antenna			from Ant.	Distance	Field Strength	Distance	Field Strength
Below	Relative	ERP	ERP	to Interference	from Ant. to	in dBu @	from Ant.	in dBu @
Horizon	Field	in kW	in dBk	Contour	Artificial Plane	Artificial Plane	to Ground Level	Ground Level
0°	1.000	0.250	-6.02	41.68 m	infinite	---	---	---
-5°	0.997	0.249	-6.05	41.56 m	447.47 m	107.86 dBu	527.79 m	106.42 dBu
-10°	0.987	0.244	-6.13	41.14 m	224.59 m	113.76 dBu	264.90 m	112.32 dBu
-15°	0.970	0.235	-6.29	40.43 m	150.68 m	117.07 dBu	177.73 m	115.64 dBu
-20°	0.947	0.224	-6.49	39.47 m	114.03 m	119.29 dBu	134.50 m	117.85 dBu
-25°	0.918	0.211	-6.76	38.27 m	92.28 m	120.85 dBu	108.85 m	119.42 dBu
-30°	0.883	0.195	-7.10	36.81 m	78.00 m	121.98 dBu	92.00 m	120.54 dBu
-35°	0.842	0.177	-7.51	35.10 m	67.99 m	122.76 dBu	80.20 m	121.32 dBu
-40°	0.796	0.158	-8.00	33.18 m	60.67 m	123.26 dBu	71.56 m	121.82 dBu
-45°	0.744	0.138	-8.59	31.01 m	55.15 m	123.50 dBu	65.05 m	122.07 dBu
-50°	0.688	0.118	-9.27	28.68 m	50.91 m	123.51 dBu	60.05 m	122.08 dBu
-55°	0.627	0.098	-10.08	26.14 m	47.61 m	123.29 dBu	56.16 m	121.86 dBu
-60°	0.563	0.079	-11.01	23.47 m	45.03 m	122.84 dBu	53.12 m	121.41 dBu
-65°	0.495	0.061	-12.13	20.63 m	43.03 m	122.12 dBu	50.76 m	120.68 dBu
-70°	0.425	0.045	-13.45	17.72 m	41.50 m	121.11 dBu	48.95 m	119.67 dBu
-75°	0.352	0.031	-15.09	14.67 m	40.38 m	119.71 dBu	47.62 m	118.27 dBu
-80°	0.278	0.019	-17.14	11.59 m	39.60 m	117.83 dBu	46.71 m	116.39 dBu
-85°	0.202	0.010	-19.91	8.42 m	39.15 m	115.15 dBu	46.18 m	113.72 dBu
-90°	0.126	0.004	-24.01	5.25 m	39.00 m	111.09 dBu	46.00 m	109.65 dBu

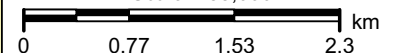
W237CZ.P - 128.5 dBu F(50:10) Contour

W237CZ.P

WLHT-FM - 88.5 dBu F(50:50) Contour



Scale 1:55,000



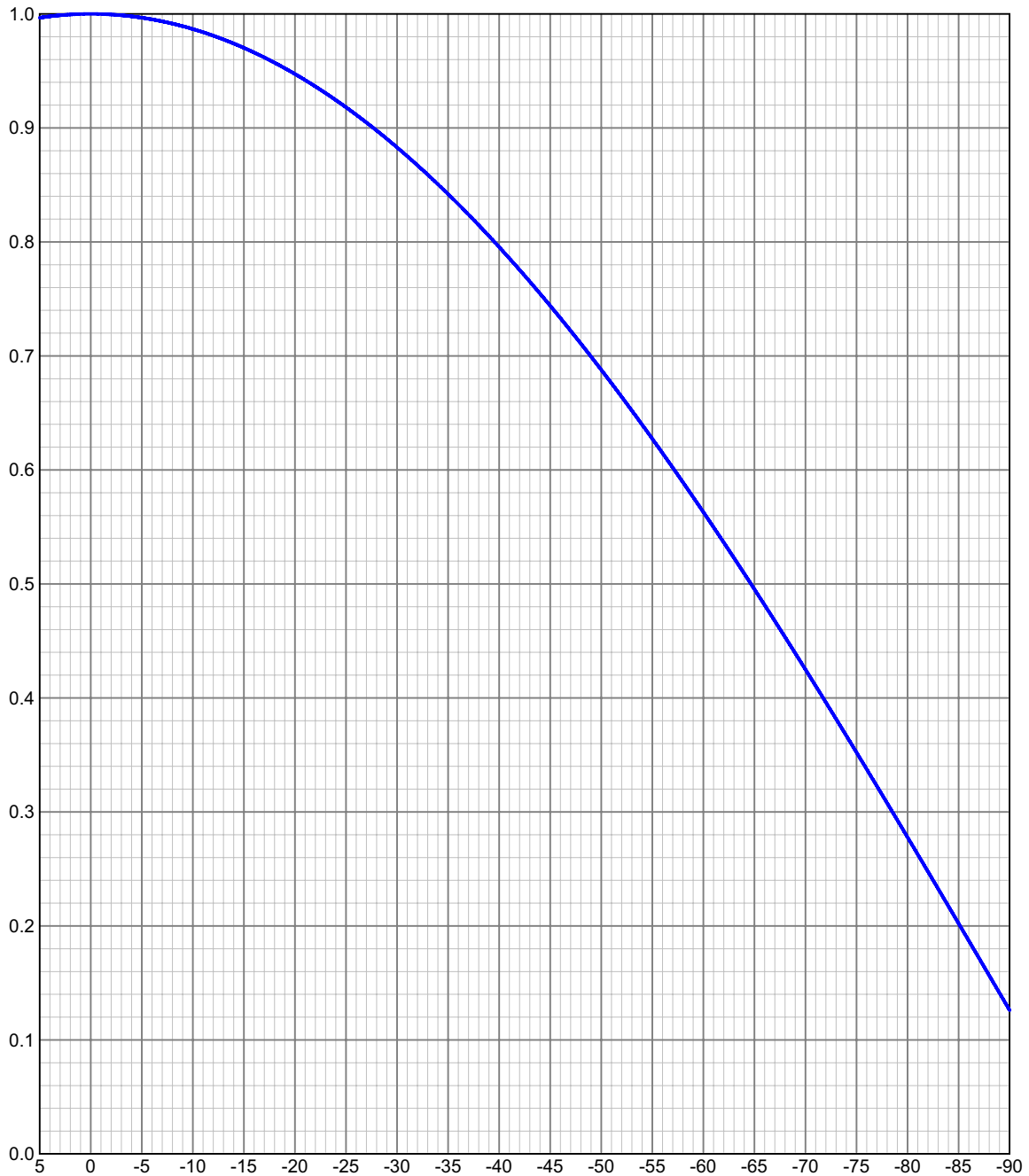
**Exhibit 13.7 - §74.1204(d) Waiver Request
Manufacturer's Vertical Radiation Pattern Data**

101-1(F)

ELEVATION PATTERN

Type:	1001F		Channel:	250
Directivity:	Numeric	dBd	Location:	
Main Lobe:	0.41	-3.82	Beam Tilt:	0.00
Horizontal:	0.41	-3.82	Polarization:	Circular

Relative Field



TABULATED DATA FOR ELEVATION PATTERN

Type: 1001F

Polarization: Circular

ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB					
5.00	0.997	-0.03	-6.75	0.994	-0.05	-27.00	0.905	-0.87	-50.50	0.682	-3.33	-74.00	0.367	-8.71
4.75	0.997	-0.03	-7.00	0.993	-0.06	-27.50	0.901	-0.90	-51.00	0.676	-3.40	-74.50	0.360	-8.88
4.50	0.997	-0.02	-7.25	0.993	-0.06	-28.00	0.898	-0.94	-51.50	0.670	-3.48	-75.00	0.352	-9.06
4.25	0.998	-0.02	-7.50	0.993	-0.07	-28.50	0.894	-0.97	-52.00	0.664	-3.56	-75.50	0.345	-9.25
4.00	0.998	-0.02	-7.75	0.992	-0.07	-29.00	0.890	-1.01	-52.50	0.658	-3.63	-76.00	0.337	-9.44
3.75	0.998	-0.02	-8.00	0.991	-0.07	-29.50	0.887	-1.04	-53.00	0.652	-3.72	-76.50	0.330	-9.63
3.50	0.998	-0.01	-8.25	0.991	-0.08	-30.00	0.883	-1.08	-53.50	0.646	-3.80	-77.00	0.323	-9.83
3.25	0.999	-0.01	-8.50	0.990	-0.08	-30.50	0.879	-1.12	-54.00	0.640	-3.88	-77.50	0.315	-10.03
3.00	0.999	-0.01	-8.75	0.990	-0.09	-31.00	0.875	-1.16	-54.50	0.634	-3.96	-78.00	0.308	-10.24
2.75	0.999	-0.01	-9.00	0.989	-0.09	-31.50	0.871	-1.20	-55.00	0.627	-4.05	-78.50	0.300	-10.45
2.50	0.999	-0.01	-9.25	0.989	-0.10	-32.00	0.867	-1.24	-55.50	0.621	-4.14	-79.00	0.293	-10.67
2.25	0.999	-0.01	-9.50	0.988	-0.10	-32.50	0.863	-1.28	-56.00	0.615	-4.23	-79.50	0.285	-10.89
2.00	0.999	0.00	-9.75	0.987	-0.11	-33.00	0.859	-1.32	-56.50	0.608	-4.32	-80.00	0.278	-11.13
1.75	1.000	0.00	-10.00	0.987	-0.12	-33.50	0.855	-1.36	-57.00	0.602	-4.41	-80.50	0.270	-11.36
1.50	1.000	0.00	-10.50	0.985	-0.13	-34.00	0.851	-1.41	-57.50	0.596	-4.50	-81.00	0.263	-11.61
1.25	1.000	0.00	-11.00	0.984	-0.14	-34.50	0.846	-1.45	-58.00	0.589	-4.60	-81.50	0.255	-11.86
1.00	1.000	0.00	-11.50	0.982	-0.15	-35.00	0.842	-1.49	-58.50	0.583	-4.69	-82.00	0.248	-12.12
0.75	1.000	0.00	-12.00	0.981	-0.17	-35.50	0.838	-1.54	-59.00	0.576	-4.79	-82.50	0.240	-12.39
0.50	1.000	0.00	-12.50	0.979	-0.18	-36.00	0.833	-1.59	-59.50	0.570	-4.89	-83.00	0.233	-12.67
0.25	1.000	0.00	-13.00	0.978	-0.20	-36.50	0.829	-1.63	-60.00	0.563	-4.99	-83.50	0.225	-12.96
0.00	1.000	0.00	-13.50	0.976	-0.21	-37.00	0.824	-1.68	-60.50	0.556	-5.09	-84.00	0.217	-13.26
-0.25	1.000	0.00	-14.00	0.974	-0.23	-37.50	0.819	-1.73	-61.00	0.550	-5.20	-84.50	0.210	-13.57
-0.50	1.000	0.00	-14.50	0.972	-0.25	-38.00	0.815	-1.78	-61.50	0.543	-5.30	-85.00	0.202	-13.89
-0.75	1.000	0.00	-15.00	0.970	-0.26	-38.50	0.810	-1.83	-62.00	0.536	-5.41	-85.50	0.195	-14.22
-1.00	1.000	0.00	-15.50	0.968	-0.28	-39.00	0.805	-1.88	-62.50	0.530	-5.52	-86.00	0.187	-14.56
-1.25	1.000	0.00	-16.00	0.966	-0.30	-39.50	0.800	-1.93	-63.00	0.523	-5.63	-86.50	0.179	-14.93
-1.50	1.000	0.00	-16.50	0.964	-0.32	-40.00	0.796	-1.99	-63.50	0.516	-5.75	-87.00	0.172	-15.30
-1.75	1.000	0.00	-17.00	0.962	-0.34	-40.50	0.791	-2.04	-64.00	0.509	-5.86	-87.50	0.164	-15.70
-2.00	0.999	0.00	-17.50	0.960	-0.36	-41.00	0.786	-2.10	-64.50	0.502	-5.98	-88.00	0.156	-16.11
-2.25	0.999	-0.01	-18.00	0.957	-0.38	-41.50	0.781	-2.15	-65.00	0.495	-6.10	-88.50	0.149	-16.54
-2.50	0.999	-0.01	-18.50	0.955	-0.40	-42.00	0.776	-2.21	-65.50	0.488	-6.22	-89.00	0.141	-17.00
-2.75	0.999	-0.01	-19.00	0.952	-0.42	-42.50	0.770	-2.27	-66.00	0.481	-6.35	-89.50	0.134	-17.48
-3.00	0.999	-0.01	-19.50	0.950	-0.45	-43.00	0.765	-2.32	-66.50	0.475	-6.48	-90.00	0.126	-17.99
-3.25	0.999	-0.01	-20.00	0.947	-0.47	-43.50	0.760	-2.38	-67.00	0.467	-6.60			
-3.50	0.998	-0.01	-20.50	0.945	-0.49	-44.00	0.755	-2.44	-67.50	0.460	-6.74			
-3.75	0.998	-0.02	-21.00	0.942	-0.52	-44.50	0.749	-2.51	-68.00	0.453	-6.87			
-4.00	0.998	-0.02	-21.50	0.939	-0.54	-45.00	0.744	-2.57	-68.50	0.446	-7.01			
-4.25	0.998	-0.02	-22.00	0.936	-0.57	-45.50	0.739	-2.63	-69.00	0.439	-7.15			
-4.50	0.997	-0.02	-22.50	0.933	-0.60	-46.00	0.733	-2.70	-69.50	0.432	-7.29			
-4.75	0.997	-0.03	-23.00	0.931	-0.63	-46.50	0.728	-2.76	-70.00	0.425	-7.43			
-5.00	0.997	-0.03	-23.50	0.928	-0.65	-47.00	0.722	-2.83	-70.50	0.418	-7.58			
-5.25	0.996	-0.03	-24.00	0.924	-0.68	-47.50	0.716	-2.90	-71.00	0.411	-7.73			
-5.50	0.996	-0.04	-24.50	0.921	-0.71	-48.00	0.711	-2.96	-71.50	0.403	-7.89			
-5.75	0.996	-0.04	-25.00	0.918	-0.74	-48.50	0.705	-3.03	-72.00	0.396	-8.04			
-6.00	0.995	-0.04	-25.50	0.915	-0.77	-49.00	0.699	-3.11	-72.50	0.389	-8.21			
-6.25	0.995	-0.05	-26.00	0.912	-0.80	-49.50	0.694	-3.18	-73.00	0.382	-8.37			
-6.50	0.994	-0.05	-26.50	0.908	-0.84	-50.00	0.688	-3.25	-73.50	0.374	-8.54			