

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of WWAZ LICENSE, LLC, permittee of WWAZ-DT, Channel 5 in Fond du Lac, Wisconsin, in support of its application for modification of Construction Permit BMPCDT-20091002AAC, to specify a reduction in effective radiated power (from 25 kW to 9 kW) and a slight reduction in antenna height.

It is now proposed to mount a standard ERI directional antenna at the 338-meter level of an existing 370-meter tower in the Milwaukee antenna farm. Exhibit B provides elevation and azimuth pattern data for the proposed antenna. Proposed operating parameters are provided in Exhibit C. Exhibit D is a map upon which the predicted service contours are plotted. As shown, the city of license is completely contained within the proposed 35 dBu service contour. An interference study is included in Exhibit E, and it is important to note that the study utilized a cell size of 2.0 kilometers and an increment spacing of 1.0 kilometer. A power density calculation is provided in Exhibit F. An analysis of the loss area created by the change in allotment facilities appears in Exhibit G.

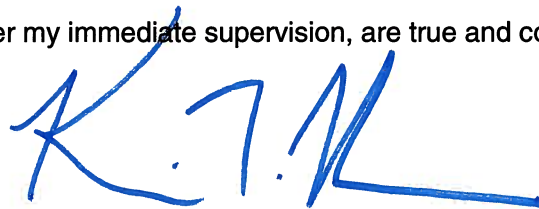
While the proposed effective radiated power of 9 kW exceeds that allowable in Section 73.622(f)(6)(ii) of the Commission's Rules, the coverage of the facility proposed herein does not exceed that of the largest station in the Green Bay market (WBAY-DT, Channel 23 in Green Bay, Wisconsin), as allowed in Section 73.622(f)(5) of the Rules. The area within the authorized WBAY-DT noise limited service contour is 35,831 square kilometers, whereas the area within the proposed WWAZ-DT 28 dBu service contour is only 26,019 square kilometers.

EXHIBIT A

It is not expected that the proposed facility would cause objectionable interference to any other broadcast or non-broadcast station authorized to operate at or near the WWAZ-DT site specified herein. However, if such should occur, the owner of this station recognizes its obligation to take whatever corrective actions are necessary.

Since no change in overall height or location of the existing tower is proposed herein, the FAA has not been notified of this application. The FCC issued Antenna Structure Registration Number 1057482 to this tower.

I declare under penalty of perjury that the foregoing statements and the attached exhibits, which were prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.

A handwritten signature in blue ink, appearing to read 'K.T. Fisher', with a long horizontal stroke extending to the right.

KEVIN T. FISHER

May 22, 2012

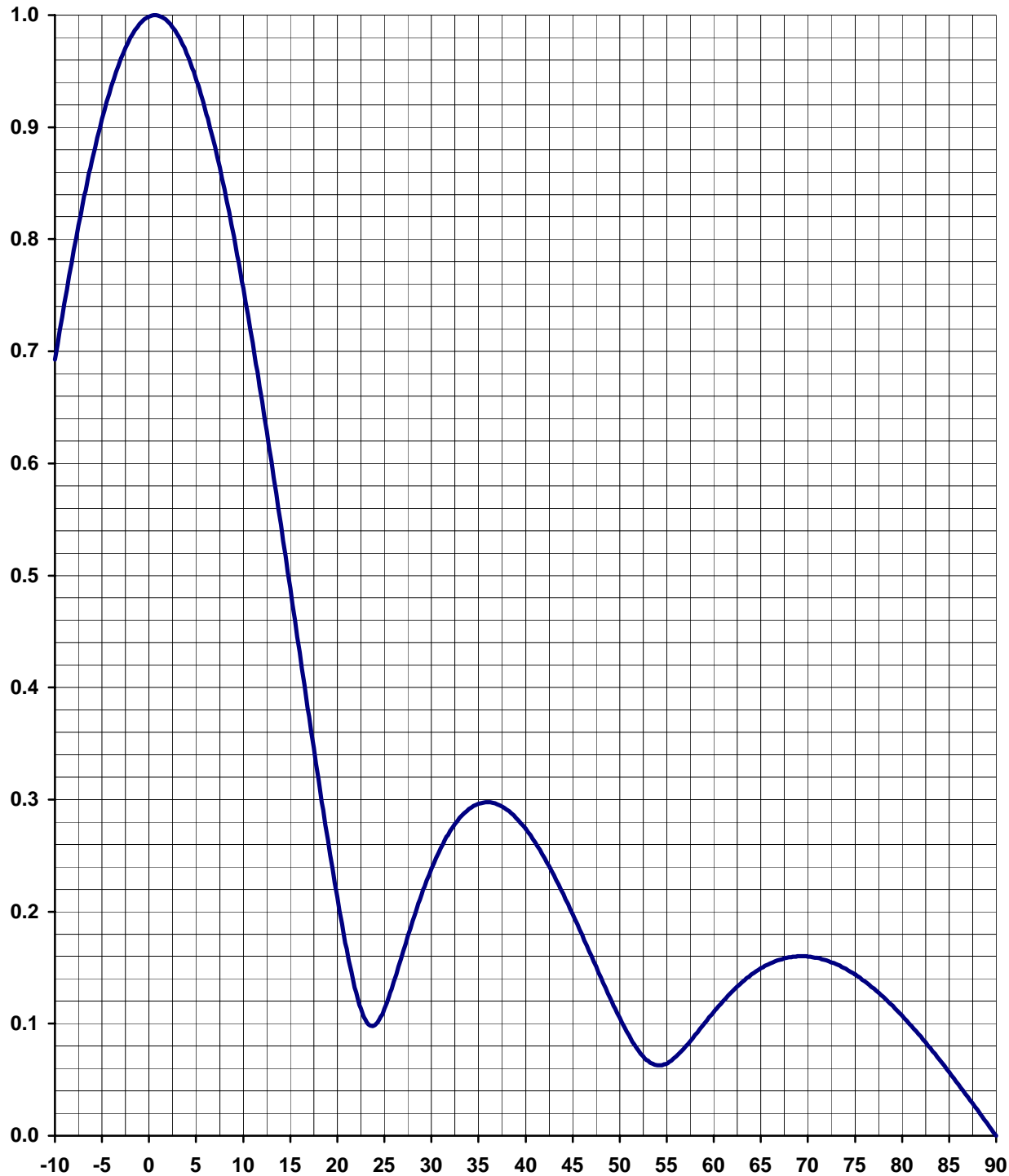
EXHIBIT B

ANTENNA ELEVATION AND AZIMUTH PATTERN DATA

**PROPOSED WWAZ-DT
CHANNEL 5 – FOND DU LAC, WISCONSIN
[MODIFICATION OF BMPCDT-20091002AAC]**

ELEVATION PATTERN

TYPE:	ESR-3L2		Frequency:	5 (DTV)
Directivity:	Numeric	dBd	Location:	Fon du Lac, WI
Main Lobe:	2.94	4.68	Beam Tilt:	0.50
Horizontal:	2.93	4.67	Polarization:	Horizontal



TABULATED DATA FOR ELEVATION PATTERN

ESR-3L2

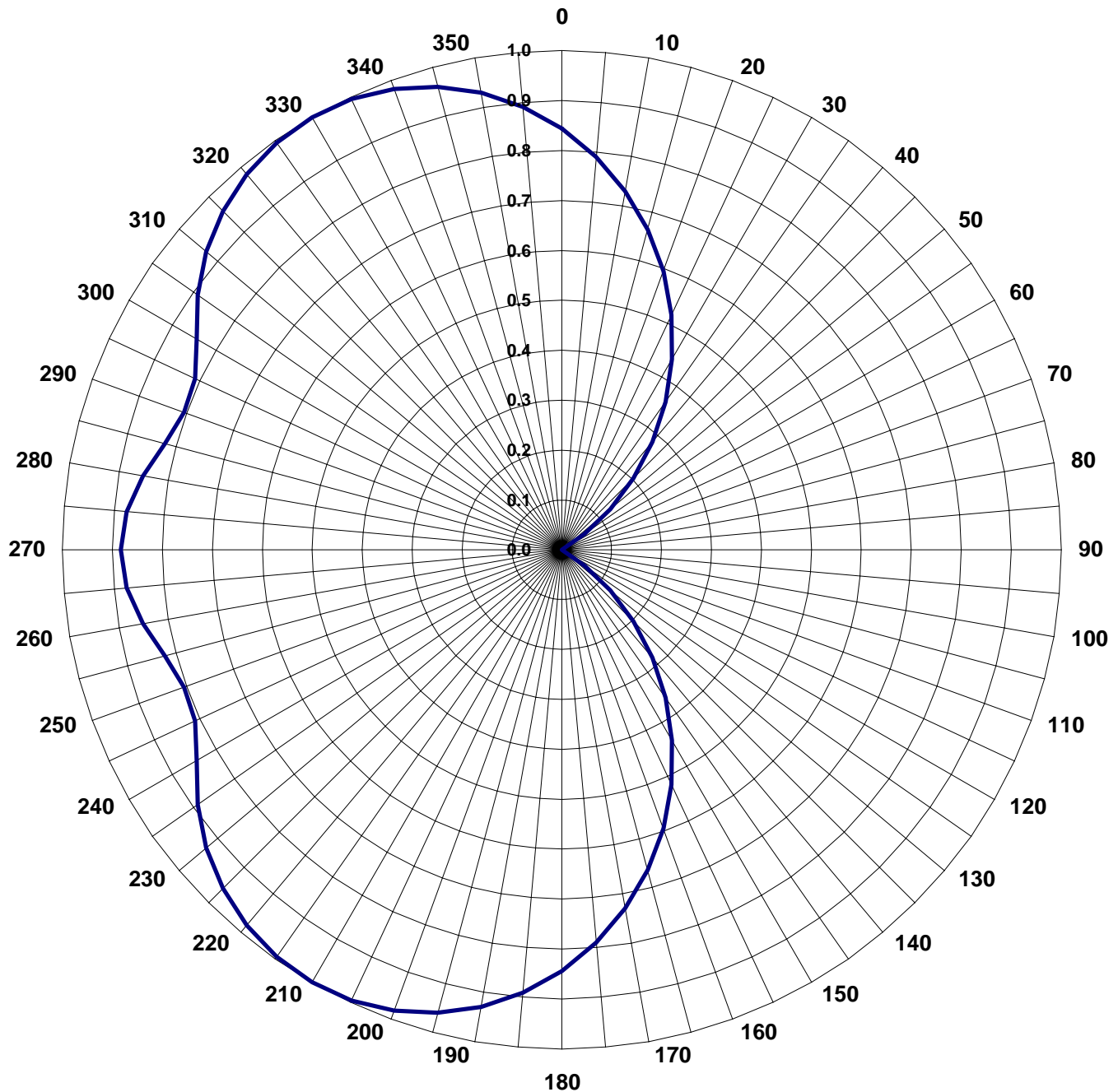
-5 to 10 degrees in 0.25 increments

10 to 90 degrees in 0.50 increments

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
-10.00	0.693	-3.19	2.00	0.994	-0.05	18.00	0.318	-9.95	42.00	0.248	-12.11	66.00	0.154	-16.27
-9.75	0.706	-3.03	2.25	0.992	-0.07	18.50	0.291	-10.73	42.50	0.240	-12.38	66.50	0.156	-16.17
-9.50	0.718	-2.87	2.50	0.989	-0.09	19.00	0.264	-11.57	43.00	0.232	-12.68	67.00	0.157	-16.08
-9.25	0.731	-2.72	2.75	0.986	-0.12	19.50	0.238	-12.47	43.50	0.224	-12.99	67.50	0.158	-16.02
-9.00	0.743	-2.58	3.00	0.983	-0.15	20.00	0.213	-13.44	44.00	0.216	-13.33	68.00	0.159	-15.97
-8.75	0.755	-2.44	3.25	0.979	-0.18	20.50	0.189	-14.47	44.50	0.207	-13.69	68.50	0.160	-15.93
-8.50	0.767	-2.30	3.50	0.975	-0.22	21.00	0.167	-15.57	45.00	0.198	-14.08	69.00	0.160	-15.91
-8.25	0.779	-2.17	3.75	0.971	-0.26	21.50	0.146	-16.71	45.50	0.189	-14.49	69.50	0.160	-15.91
-8.00	0.790	-2.05	4.00	0.966	-0.30	22.00	0.128	-17.84	46.00	0.179	-14.94	70.00	0.160	-15.92
-7.75	0.801	-1.92	4.25	0.961	-0.35	22.50	0.114	-18.88	46.50	0.170	-15.41	70.50	0.159	-15.95
-7.50	0.812	-1.80	4.50	0.955	-0.40	23.00	0.104	-19.70	47.00	0.160	-15.91	71.00	0.159	-15.99
-7.25	0.823	-1.69	4.75	0.950	-0.45	23.50	0.099	-20.13	47.50	0.151	-16.44	71.50	0.158	-16.05
-7.00	0.834	-1.58	5.00	0.943	-0.51	24.00	0.099	-20.10	48.00	0.141	-17.00	72.00	0.156	-16.12
-6.75	0.844	-1.48	5.25	0.937	-0.57	24.50	0.104	-19.65	48.50	0.132	-17.60	72.50	0.155	-16.20
-6.50	0.854	-1.37	5.50	0.930	-0.63	25.00	0.113	-18.93	49.00	0.123	-18.22	73.00	0.153	-16.30
-6.25	0.863	-1.28	5.75	0.923	-0.70	25.50	0.125	-18.10	49.50	0.114	-18.88	73.50	0.151	-16.41
-6.00	0.873	-1.18	6.00	0.915	-0.77	26.00	0.137	-17.25	50.00	0.105	-19.57	74.00	0.149	-16.54
-5.75	0.882	-1.09	6.25	0.908	-0.84	26.50	0.151	-16.43	50.50	0.097	-20.27	74.50	0.146	-16.69
-5.50	0.891	-1.01	6.50	0.900	-0.92	27.00	0.165	-15.67	51.00	0.089	-20.99	75.00	0.144	-16.84
-5.25	0.899	-0.92	6.75	0.891	-1.00	27.50	0.178	-14.98	51.50	0.082	-21.70	75.50	0.141	-17.02
-5.00	0.907	-0.85	7.00	0.882	-1.09	28.00	0.192	-14.36	52.00	0.076	-22.37	76.00	0.138	-17.21
-4.75	0.915	-0.77	7.25	0.873	-1.18	28.50	0.204	-13.80	52.50	0.071	-22.99	76.50	0.135	-17.42
-4.50	0.923	-0.70	7.50	0.864	-1.27	29.00	0.216	-13.30	53.00	0.067	-23.49	77.00	0.131	-17.64
-4.25	0.930	-0.63	7.75	0.854	-1.37	29.50	0.228	-12.86	53.50	0.064	-23.85	77.50	0.128	-17.88
-4.00	0.937	-0.57	8.00	0.845	-1.47	30.00	0.238	-12.46	54.00	0.063	-24.03	78.00	0.124	-18.15
-3.75	0.943	-0.51	8.25	0.834	-1.57	30.50	0.248	-12.11	54.50	0.063	-24.00	78.50	0.120	-18.42
-3.50	0.949	-0.45	8.50	0.824	-1.68	31.00	0.257	-11.81	55.00	0.065	-23.81	79.00	0.116	-18.73
-3.25	0.955	-0.40	8.75	0.813	-1.79	31.50	0.265	-11.54	55.50	0.067	-23.47	79.50	0.112	-19.05
-3.00	0.961	-0.35	9.00	0.802	-1.91	32.00	0.272	-11.31	56.00	0.071	-23.02	80.00	0.107	-19.40
-2.75	0.966	-0.30	9.25	0.791	-2.03	32.50	0.278	-11.12	56.50	0.075	-22.52	80.50	0.103	-19.78
-2.50	0.971	-0.26	9.50	0.780	-2.16	33.00	0.284	-10.95	57.00	0.080	-21.99	81.00	0.098	-20.18
-2.25	0.975	-0.22	9.75	0.768	-2.29	33.50	0.288	-10.81	57.50	0.085	-21.46	81.50	0.093	-20.62
-2.00	0.979	-0.18	10.00	0.757	-2.42	34.00	0.292	-10.70	58.00	0.090	-20.94	82.00	0.088	-21.08
-1.75	0.983	-0.15	10.50	0.732	-2.71	34.50	0.294	-10.62	58.50	0.095	-20.45	82.50	0.083	-21.60
-1.50	0.986	-0.12	11.00	0.707	-3.01	35.00	0.296	-10.57	59.00	0.100	-19.97	83.00	0.078	-22.14
-1.25	0.989	-0.09	11.50	0.682	-3.33	35.50	0.297	-10.54	59.50	0.106	-19.53	83.50	0.073	-22.73
-1.00	0.992	-0.07	12.00	0.655	-3.67	36.00	0.298	-10.53	60.00	0.111	-19.12	84.00	0.068	-23.39
-0.75	0.994	-0.05	12.50	0.629	-4.03	36.50	0.297	-10.54	60.50	0.116	-18.74	84.50	0.062	-24.11
-0.50	0.996	-0.03	13.00	0.601	-4.42	37.00	0.296	-10.58	61.00	0.120	-18.39	85.00	0.057	-24.90
-0.25	0.998	-0.02	13.50	0.573	-4.83	37.50	0.294	-10.64	61.50	0.125	-18.07	85.50	0.051	-25.78
0.00	0.999	-0.01	14.00	0.545	-5.27	38.00	0.291	-10.72	62.00	0.129	-17.77	86.00	0.046	-26.78
0.25	1.000	0.00	14.50	0.517	-5.73	38.50	0.288	-10.82	62.50	0.133	-17.51	86.50	0.040	-27.92
0.50	1.000	0.00	15.00	0.488	-6.22	39.00	0.284	-10.94	63.00	0.137	-17.27	87.00	0.035	-29.22
0.75	1.000	0.00	15.50	0.460	-6.75	39.50	0.279	-11.08	63.50	0.141	-17.05	87.50	0.029	-30.81
1.00	1.000	0.00	16.00	0.431	-7.31	40.00	0.274	-11.25	64.00	0.144	-16.85	88.00	0.023	-32.73
1.25	0.999	-0.01	16.50	0.403	-7.90	40.50	0.268	-11.43	64.50	0.147	-16.67	88.50	0.017	-35.19
1.50	0.998	-0.02	17.00	0.374	-8.54	41.00	0.262	-11.64	65.00	0.149	-16.52	89.00	0.012	-38.71
1.75	0.996	-0.03	17.50	0.346	-9.22	41.50	0.255	-11.87	65.50	0.152	-16.38	89.50	0.006	-44.73
												90.00	0.000	---

AZIMUTH PATTERN**TYPE:****CH5HAZ****Frequency:****5 (DTV)****Numeric****dB****Location:****Fon du Lac, WI****Directivity:****2.00****3.01****Polarization:****Horizontal****Peak(s) at:**

Note: Pattern shape and directivity may vary with
channel and mounting configuration.



TABULATED DATA FOR AZIMUTH PATTERN

TYPE: CH5HAZ

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	0.844	-1.47	92	0.000	---	184	0.882	-1.09	276	0.870	-1.21
2	0.823	-1.69	94	0.000	---	186	0.899	-0.92	278	0.861	-1.30
4	0.802	-1.92	96	0.000	---	188	0.915	-0.77	280	0.851	-1.40
6	0.779	-2.17	98	0.000	---	190	0.929	-0.64	282	0.839	-1.52
8	0.755	-2.44	100	0.000	---	192	0.943	-0.51	284	0.828	-1.64
10	0.730	-2.73	102	0.000	---	194	0.954	-0.41	286	0.818	-1.74
12	0.705	-3.04	104	0.000	---	196	0.965	-0.31	288	0.810	-1.83
14	0.678	-3.38	106	0.000	---	198	0.974	-0.23	290	0.805	-1.88
16	0.651	-3.73	108	0.000	---	200	0.982	-0.16	292	0.803	-1.91
18	0.622	-4.12	110	0.000	---	202	0.989	-0.10	294	0.806	-1.87
20	0.594	-4.52	112	0.000	---	204	0.994	-0.05	296	0.814	-1.79
22	0.564	-4.97	114	0.000	---	206	0.997	-0.03	298	0.827	-1.65
24	0.534	-5.45	116	0.000	---	208	0.999	-0.01	300	0.844	-1.47
26	0.504	-5.95	118	0.000	---	210	1.000	0.00	302	0.863	-1.28
28	0.473	-6.50	120	0.000	---	212	0.999	-0.01	304	0.882	-1.09
30	0.441	-7.11	122	0.019	-34.42	214	0.997	-0.03	306	0.899	-0.92
32	0.410	-7.74	124	0.043	-27.33	216	0.994	-0.05	308	0.915	-0.77
34	0.378	-8.45	126	0.070	-23.10	218	0.989	-0.10	310	0.929	-0.64
36	0.346	-9.22	128	0.098	-20.18	220	0.982	-0.16	312	0.943	-0.51
38	0.314	-10.06	130	0.127	-17.92	222	0.974	-0.23	314	0.954	-0.41
40	0.282	-11.00	132	0.157	-16.08	224	0.965	-0.31	316	0.965	-0.31
42	0.250	-12.04	134	0.187	-14.56	226	0.954	-0.41	318	0.974	-0.23
44	0.219	-13.19	136	0.219	-13.19	228	0.943	-0.51	320	0.982	-0.16
46	0.187	-14.56	138	0.250	-12.04	230	0.929	-0.64	322	0.989	-0.10
48	0.157	-16.08	140	0.282	-11.00	232	0.915	-0.77	324	0.994	-0.05
50	0.127	-17.92	142	0.314	-10.06	234	0.899	-0.92	326	0.997	-0.03
52	0.098	-20.18	144	0.346	-9.22	236	0.882	-1.09	328	0.999	-0.01
54	0.070	-23.10	146	0.378	-8.45	238	0.863	-1.28	330	1.000	0.00
56	0.043	-27.33	148	0.410	-7.74	240	0.844	-1.47	332	0.999	-0.01
58	0.019	-34.42	150	0.441	-7.11	242	0.827	-1.65	334	0.997	-0.03
60	0.000	---	152	0.473	-6.50	244	0.814	-1.79	336	0.994	-0.05
62	0.000	---	154	0.504	-5.95	246	0.806	-1.87	338	0.989	-0.10
64	0.000	---	156	0.534	-5.45	248	0.803	-1.91	340	0.982	-0.16
66	0.000	---	158	0.564	-4.97	250	0.805	-1.88	342	0.974	-0.23
68	0.000	---	160	0.594	-4.52	252	0.810	-1.83	344	0.965	-0.31
70	0.000	---	162	0.622	-4.12	254	0.818	-1.74	346	0.954	-0.41
72	0.000	---	164	0.651	-3.73	256	0.828	-1.64	348	0.943	-0.51
74	0.000	---	166	0.678	-3.38	258	0.839	-1.52	350	0.929	-0.64
76	0.000	---	168	0.705	-3.04	260	0.851	-1.40	352	0.915	-0.77
78	0.000	---	170	0.730	-2.73	262	0.861	-1.30	354	0.899	-0.92
80	0.000	---	172	0.755	-2.44	264	0.870	-1.21	356	0.882	-1.09
82	0.000	---	174	0.779	-2.17	266	0.877	-1.14	358	0.863	-1.28
84	0.000	---	176	0.802	-1.92	268	0.881	-1.10	360	0.844	-1.47
86	0.000	---	178	0.823	-1.69	270	0.883	-1.08			
88	0.000	---	180	0.844	-1.47	272	0.881	-1.10			
90	0.000	---	182	0.863	-1.28	274	0.877	-1.14			

EXHIBIT C

PROPOSED OPERATING PARAMETERS

PROPOSED WWAZ-DT
CHANNEL 5 – FOND DU LAC, WISCONSIN
[MODIFICATION OF BMPCDT-20091002AAC]

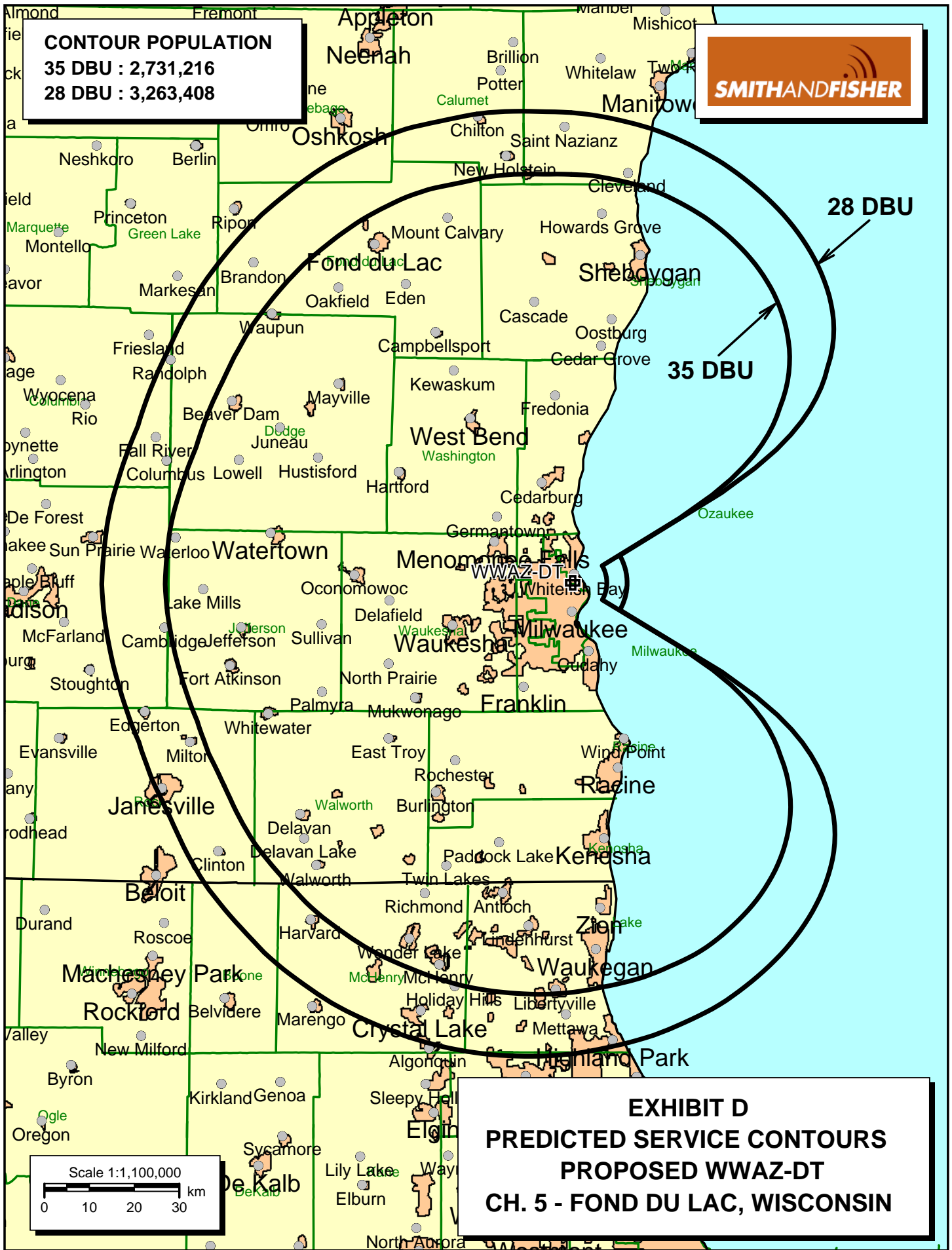
Transmitter Power Output:	2.0 kW
Transmission Line Efficiency:	76.9%
Antenna Power Gain – Main Lobe:	5.88
Effective Radiated Power – Main Lobe:	9.0 kw

Transmitter Make and Model:	Type-accepted
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Transmission Line Make and Model:	Dielectric EIA
Size and Type:	3-1/8" rigid
Length:	1,340 feet*

Antenna:

Make and Model:	ERI ESR-3L2-HP2C1-5
Orientation	270 degrees true
Beam Tilt	0.5 degrees
Radiation Center Above Ground:	345.3 meters
Radiation Center Above Mean Sea Level:	536.7 meters



INTERFERENCE STUDY

**PROPOSED WWAZ-DT
CHANNEL 5 – FOND DU LAC, WISCONSIN
[MODIFICATION OF BMPCDT-20091002AAC]**

The instant proposal specifies an ERP of 9 kW (directional) at 338 meters above average terrain, which we have determined to be allowable under the FCC's interference standards with respect to all pertinent post-transition DTV facilities.

In evaluating the interference effect of this proposal, we have relied upon the V-Soft Communications "Probe III" computer program, which has been found generally to mimic the FCC's program. In conducting our studies, we employed a cell size of 2.0 kilometers and an increment spacing of 1.0 kilometer along each radial. In addition, we utilized the 2000 U.S. Census. Changes in interference caused by proposed WWAZ-DT to other pertinent stations are tabulated in Exhibit E-2.

As shown, the proposed WWAZ-DT facility would not cause significant interference to the service population of any post-transition digital television facility.

A Longley-Rice interference study also reveals that the proposed WWAZ-DT facility does not cause interference within the protected 74 dBu contour of any potentially affected Class A low power television station.

EXHIBIT E-2

INTERFERENCE STUDY SUMMARY

PROPOSED WWAZ-DT
CHANNEL 5 – FOND DU LAC, WISCONSIN
[MODIFICATION OF BMPCDT-20091002AAC]

<u>Call Sign</u>	<u>City, State</u>	<u>CH.</u>	<u>Coverage Population</u>	<u>Interference Population From WWAZ-DT</u>	<u>%</u>
WGVK-DT (Lic.)	Kalamazoo, MI	5	2,348,771	2,018	<0.1

EXHIBIT F

POWER DENSITY CALCULATION

PROPOSED WWAZ-DT
CHANNEL 5 – FOND DU LAC, WISCONSIN
[MODIFICATION OF BMPCDT-20091002AAC]

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Fond du Lac facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 9 kW, an antenna radiation center 345 meters above ground, and the vertical pattern of the ERI antenna, maximum power density two meters above ground of 0.000080 mw/cm^2 is calculated to occur 464 meters west of the base of the tower. Since this is less than 0.1 percent of the 0.2 mw/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 5 (76-82 MHz), this proposal may be excluded from consideration with respect to public exposure to nonionizing electromagnetic radiation.

Further, the station owner will take whatever precautionary steps are necessary, such as reducing power or leaving the air temporarily, to ensure that workers operating in the vicinity of the antenna are not exposed to excessive nonionizing radiation.