

WHDG 66.8 dBu Service Contour Through W265BF Transmitter Site

WHDG

BLH20090720AAZ

Latitude: 45-22-50 N

Longitude: 089-11-22 W

ERP: 100.00 kW

Channel: 247

Frequency: 97.3 MHz

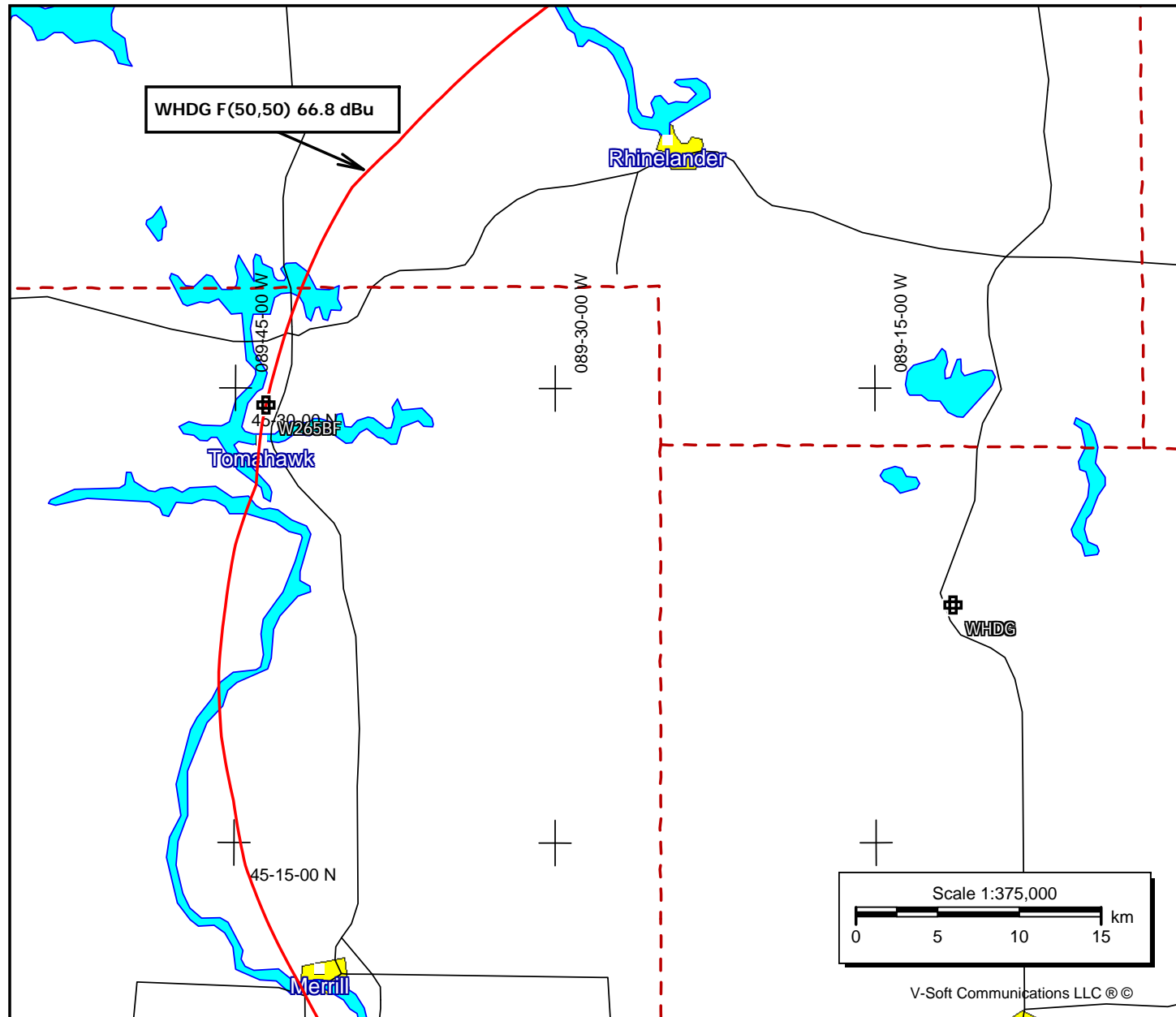
AMSL Height: 664.0 m

Elevation: 527.0 m

Horiz. Pattern: Omni

Vert. Pattern: No

Prop Model: F(50,50) FM



W265BF Modification, Tomahawk, WI - Channel 245 (96.9 MHz)
Second-Adjacent Interference Calculations for W265BF into WHDG

Deg. Tilt below horiz	Field	Watts ERP	ERP dBW	Dist to 106.8 dBu Contour (m)	Dist to 106.8 dBu below horiz (m)
0	1.000	250.0	23.98	507	0
2	0.978	239.1	23.79	496	17
4	0.919	211.1	23.25	467	33
6	0.830	172.2	22.36	422	44
8	0.718	128.9	21.10	364	51
10	0.590	87.0	19.40	300	52
12	0.455	51.8	17.14	231	48
14	0.322	25.9	14.14	167	40
16	0.194	9.4	9.74	98	27
18	0.078	1.5	1.82	40	12
20	0.025	0.2	-8.06	32	11
22	0.110	3.0	4.81	56	21
24	0.176	7.7	8.89	89	36
26	0.221	12.2	10.87	112	49
28	0.244	14.9	11.73	123	58
30	0.247	15.3	11.83	125	63
32	0.230	13.2	11.21	117	62
34	0.198	9.8	9.91	100	56
36	0.153	5.9	7.67	77	45
38	0.102	2.6	4.15	52	32
40	0.048	0.6	-2.40	32	21
42	0.004	0.0	-23.98	32	21
44	0.049	0.6	-2.22	32	22
46	0.087	1.9	2.77	44	32
48	0.115	3.3	5.19	58	43
50	0.133	4.4	6.46	68	52
52	0.142	5.0	7.03	72	57
54	0.143	5.1	7.09	73	59
56	0.138	4.8	6.78	70	58
58	0.128	4.1	6.12	65	55
60	0.115	3.3	5.19	58	50
62	0.101	2.6	4.07	51	45
64	0.086	1.8	2.67	44	40
66	0.071	1.3	1.00	37	34
68	0.058	0.8	-0.75	32	30
70	0.045	0.5	-2.96	32	30
72	0.034	0.3	-5.39	32	30
74	0.025	0.2	-8.06	32	31
76	0.017	0.1	-11.41	32	31
78	0.011	0.0	-15.19	32	31
80	0.007	0.0	-19.12	32	32

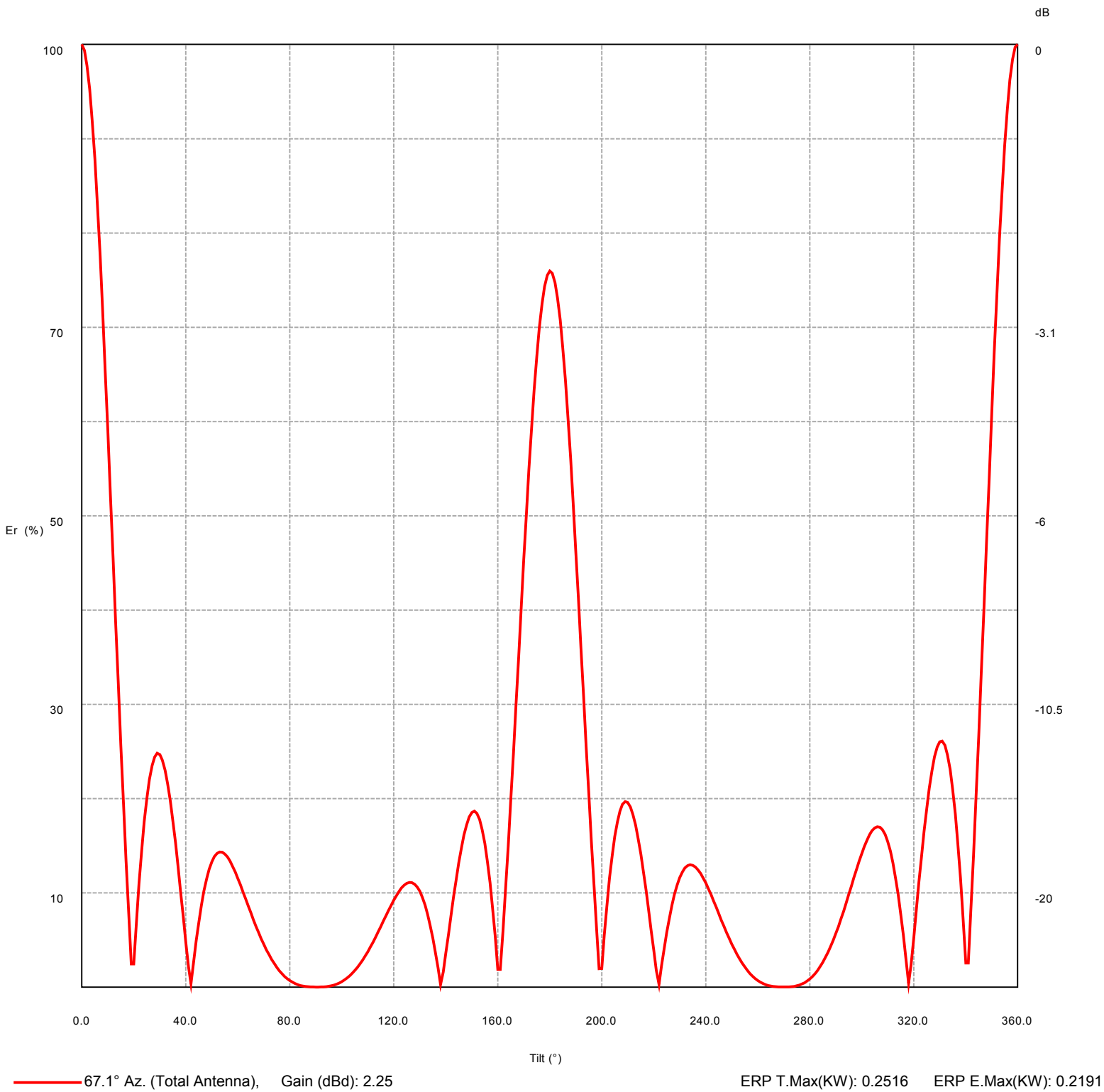
W265BF Modification, Tomahawk, WI - Channel 245 (96.9 MHz)
Second-Adjacent Interference Calculations for W265BF into WHDG

Deg. Tilt below horiz	Field	Watts ERP	ERP dBW	Dist to 106.8 dBu Contour (m)	Dist to 106.8 dBu below horiz (m)
82	0.004	0.0	-23.98	32	32
84	0.002	0.0	-30.00	32	32
86	0.001	0.0	-36.02	32	32
88	0.000	0.0	-56.02	32	32
90	0.000	0.0	-56.02	32	32

September 24, 2013

4 Bay TFC2K 3/4 Wave 96.9MHz

Vertical diagram at an azimuth of 67.1°



Vertical diagram at an azimuth of 67.1°

Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)	Dep (°)	Er (%)	ERP (W)
0.0	100.0	219.1	60.0	11.5	2.9	120.0	9.2	1.9
1.0	99.3	216.3	61.0	10.8	2.6	121.0	9.7	2.1
2.0	97.8	209.4	62.0	10.1	2.2	122.0	10.1	2.3
3.0	95.3	198.8	63.0	9.4	1.9	123.0	10.5	2.4
4.0	91.9	185.0	64.0	8.6	1.6	124.0	10.8	2.6
5.0	87.8	169.0	65.0	7.9	1.4	125.0	11.0	2.7
6.0	83.0	150.8	66.0	7.1	1.1	126.0	11.1	2.7
7.0	77.6	132.1	67.0	6.4	0.9	127.0	11.1	2.7
8.0	71.8	112.9	68.0	5.8	0.7	128.0	10.9	2.6
9.0	65.5	93.9	69.0	5.1	0.6	129.0	10.6	2.5
10.0	59.0	76.2	70.0	4.5	0.4	130.0	10.2	2.3
11.0	52.3	59.9	71.0	4.0	0.3	131.0	9.5	2.0
12.0	45.5	45.4	72.0	3.4	0.3	132.0	8.7	1.7
13.0	38.8	33.0	73.0	2.9	0.2	133.0	7.7	1.3
14.0	32.2	22.7	74.0	2.5	0.1	134.0	6.5	0.9
15.0	25.7	14.4	75.0	2.1	0.1	135.0	5.2	0.6
16.0	19.4	8.3	76.0	1.7	0.1	136.0	3.7	0.3
17.0	13.4	3.9	77.0	1.4	0.0	137.0	2.1	0.1
18.0	7.8	1.3	78.0	1.1	0.0	138.0	0.3	0.0
19.0	2.5	0.1	79.0	0.9	0.0	139.0	1.6	0.1
20.0	2.5	0.1	80.0	0.7	0.0	140.0	3.6	0.3
21.0	6.9	1.1	81.0	0.5	0.0	141.0	5.6	0.7
22.0	11.0	2.6	82.0	0.4	0.0	142.0	7.6	1.3
23.0	14.5	4.6	83.0	0.3	0.0	143.0	9.5	2.0
24.0	17.6	6.8	84.0	0.2	0.0	144.0	11.4	2.9
25.0	20.1	8.8	85.0	0.1	0.0	145.0	13.2	3.8
26.0	22.1	10.7	86.0	0.1	0.0	146.0	14.8	4.8
27.0	23.5	12.1	87.0	0.0	0.0	147.0	16.1	5.7
28.0	24.4	13.1	88.0	0.0	0.0	148.0	17.2	6.5
29.0	24.8	13.5	89.0	0.0	0.0	149.0	18.0	7.1
30.0	24.7	13.3	90.0	0.0	0.0	150.0	18.5	7.5
31.0	24.1	12.7	91.0	0.0	0.0	151.0	18.7	7.6
32.0	23.0	11.6	92.0	0.0	0.0	152.0	18.4	7.4
33.0	21.6	10.2	93.0	0.0	0.0	153.0	17.8	6.9
34.0	19.8	8.6	94.0	0.1	0.0	154.0	16.7	6.1
35.0	17.7	6.8	95.0	0.1	0.0	155.0	15.2	5.1
36.0	15.3	5.1	96.0	0.2	0.0	156.0	13.4	3.9
37.0	12.8	3.6	97.0	0.2	0.0	157.0	11.1	2.7
38.0	10.2	2.3	98.0	0.3	0.0	158.0	8.4	1.5
39.0	7.5	1.2	99.0	0.4	0.0	159.0	5.3	0.6
40.0	4.8	0.5	100.0	0.6	0.0	160.0	1.9	0.1
41.0	2.2	0.1	101.0	0.8	0.0	161.0	1.9	0.1
42.0	0.4	0.0	102.0	1.0	0.0	162.0	6.0	0.8
43.0	2.7	0.2	103.0	1.2	0.0	163.0	10.3	2.3
44.0	4.9	0.5	104.0	1.5	0.0	164.0	14.9	4.9
45.0	6.9	1.1	105.0	1.8	0.1	165.0	19.8	8.6
46.0	8.7	1.7	106.0	2.1	0.1	166.0	24.8	13.4
47.0	10.2	2.3	107.0	2.5	0.1	167.0	29.9	19.5
48.0	11.5	2.9	108.0	2.9	0.2	168.0	35.0	26.9
49.0	12.5	3.4	109.0	3.3	0.2	169.0	40.2	35.4
50.0	13.3	3.9	110.0	3.8	0.3	170.0	45.2	44.9
51.0	13.9	4.2	111.0	4.3	0.4	171.0	50.2	55.1
52.0	14.2	4.4	112.0	4.8	0.5	172.0	54.9	66.1
53.0	14.3	4.5	113.0	5.3	0.6	173.0	59.3	77.1
54.0	14.3	4.5	114.0	5.9	0.8	174.0	63.3	87.9
55.0	14.1	4.4	115.0	6.4	0.9	175.0	67.0	98.3
56.0	13.8	4.2	116.0	7.0	1.1	176.0	70.0	107.3
57.0	13.4	3.9	117.0	7.6	1.3	177.0	72.5	115.1
58.0	12.8	3.6	118.0	8.1	1.5	178.0	74.3	121.1
59.0	12.2	3.3	119.0	8.7	1.7	179.0	75.5	124.9