

Radial EAH Using 3 Second Data

W260AP Sheboygan, WI
Minor Change Application
Exhibit 11

Az Degrees	100 Point Elev Total	Number of Points Used	Elev Total Points Used	Elev Used	EAH Used	Max. ERP(W) Allowed	Proposed ERP(W)
0	20512	100	20512	205.12	30.18	250	120
30	17997	27	5149	190.70	44.60	120	120
60	17833	16	3049	190.56	44.74	120	120
90	17900	19	3644	191.79	43.51	120	120
120	17814	18	3382	187.89	47.41	120	120
150	18299	47	8971	190.87	44.43	120	120
180	20735	100	20735	207.35	27.95	250	120
210	21477	100	21477	214.77	20.53	250	120
240	23021	100	23021	230.21	5.09	250	120
270	23193	100	23193	231.93	3.37	250	120
300	24064	100	24064	240.64	-5.34	250	120
330	22612	100	22612	226.12	9.18	250	120

47.41 Maximum Radial EAH

Radiation Center AGL 22.3 meters 73.2 Feet
Radiation Center AMSL 235.3 meters 772.0 Feet
Site Elevation 213 meters 698.9 Feet

Number of points reduced in accordance with 47CFR73.313(d2)

Distance to FM Contour

Study: JSM Twr 73ft 100dBu
Site: JSM Sheboygan site

Latitude: N43-45-56.00
Longitude: W87-45-59.00

True Radial Bearing (Degrees)	Average Elevation (meters)	Radiation Center Height Above Average Terrain (meters)	Effective Radiated Power (KW)	(dBKW)	Distance to Contour 100.0 dBu F(50,10) (km)
0.00	205.12	30.18	0.08	-10.97	0.63
30.00	179.97	55.33	0.08	-10.97	0.63
60.00	178.33	56.97	0.08	-10.97	0.63
90.00	179.00	56.30	0.08	-10.97	0.63
120.00	178.14	57.16	0.08	-10.97	0.63
150.00	182.99	52.31	0.08	-10.97	0.63
180.00	207.35	27.95	0.08	-10.97	0.63
210.00	214.77	20.53	0.08	-10.97	0.63
240.00	230.21	5.09	0.08	-10.97	0.63
270.00	231.93	3.37	0.08	-10.97	0.63
300.00	240.64	0.00	0.08	-10.97	0.63
330.00	226.12	9.18	0.08	-10.97	0.63

Radiation Center (AGL): 22.3 meters 73.2 feet
Radiation Center (AMSL): 235.3 meters 772.0 feet
Radiation Center (HAAT): 30.8 meters 100.9 feet
Average Terrain (AMSL): 204.5 meters 671.1 feet
Ground AMSL: 213.0 meters 698.8 feet

Peak ERP: 0.1 KW
Frequency: 101 MHz
Antenna:
Orientation: 0.00°
Downtilt: 0.00°

Area within 100.0 dBu F(50,10) Contour is 1.23653 km

Detailed Terrain Data

Study: JSM Twr 73ft 100dBu
Site: JSM Sheboygan site
Radial 1 of 12, 0.0 degrees true

Latitude: N43-45-56.00
Longitude: W87-45-59.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	213.00	2	3.13	207.00	3	3.26	207.00
4	3.39	207.00	5	3.52	206.00	6	3.65	205.00
7	3.78	204.00	8	3.91	204.00	9	4.04	204.00
10	4.17	204.00	11	4.30	204.00	12	4.43	203.00
13	4.56	202.00	14	4.69	202.00	15	4.82	201.00
16	4.95	201.00	17	5.08	201.00	18	5.21	201.00
19	5.34	204.00	20	5.47	209.00	21	5.60	211.00
22	5.73	212.00	23	5.86	212.00	24	5.99	212.00
25	6.12	211.00	26	6.25	211.00	27	6.38	211.00
28	6.51	211.00	29	6.64	211.00	30	6.77	210.00
31	6.90	210.00	32	7.03	209.00	33	7.16	208.00
34	7.29	208.00	35	7.42	208.00	36	7.55	207.00
37	7.68	206.00	38	7.81	206.00	39	7.94	205.00
40	8.07	205.00	41	8.20	205.00	42	8.33	204.00
43	8.46	203.00	44	8.59	204.00	45	8.72	204.00
46	8.85	204.00	47	8.98	204.00	48	9.11	204.00
49	9.24	203.00	50	9.37	203.00	51	9.50	202.00
52	9.63	201.00	53	9.76	201.00	54	9.89	200.00
55	10.02	200.00	56	10.15	199.00	57	10.28	199.00
58	10.41	198.00	59	10.54	198.00	60	10.67	198.00
61	10.80	198.00	62	10.93	198.00	63	11.06	199.00
64	11.19	201.00	65	11.32	204.00	66	11.45	204.00
67	11.58	203.00	68	11.71	200.00	69	11.84	198.00
70	11.97	198.00	71	12.10	198.00	72	12.23	198.00
73	12.36	198.00	74	12.49	199.00	75	12.62	200.00
76	12.75	201.00	77	12.88	204.00	78	13.01	205.00
79	13.14	206.00	80	13.27	208.00	81	13.40	209.00
82	13.53	212.00	83	13.66	213.00	84	13.79	213.00
85	13.92	213.00	86	14.05	213.00	87	14.18	213.00
88	14.31	213.00	89	14.44	210.00	90	14.57	208.00
91	14.70	205.00	92	14.83	202.00	93	14.96	200.00
94	15.09	201.00	95	15.22	204.00	96	15.35	208.00
97	15.48	210.00	98	15.61	212.00	99	15.74	213.00
100	15.87	213.00						

Detailed Terrain Data

Study: JSM Twr 73ft 100dBu
Site: JSM Sheboygan site
Radial 2 of 12, 30.0 degrees true

Latitude: N43-45-56.00
Longitude: W87-45-59.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	190.00	2	3.13	190.00	3	3.26	191.00
4	3.39	191.00	5	3.52	192.00	6	3.65	191.00
7	3.78	192.00	8	3.91	193.00	9	4.04	193.00
10	4.17	192.00	11	4.30	191.00	12	4.43	191.00
13	4.56	190.00	14	4.69	190.00	15	4.82	189.00
16	4.95	188.00	17	5.08	188.00	18	5.21	188.00
19	5.34	187.00	20	5.47	186.00	21	5.60	185.00
22	5.73	184.00	23	5.86	183.00	24	5.99	183.00
25	6.12	181.00	26	6.25	180.00	27	6.38	177.00
28	6.51	177.00	29	6.64	177.00	30	6.77	177.00
31	6.90	177.00	32	7.03	177.00	33	7.16	177.00
34	7.29	177.00	35	7.42	177.00	36	7.55	177.00
37	7.68	177.00	38	7.81	177.00	39	7.94	177.00
40	8.07	177.00	41	8.20	177.00	42	8.33	177.00
43	8.46	177.00	44	8.59	177.00	45	8.72	177.00
46	8.85	177.00	47	8.98	177.00	48	9.11	177.00
49	9.24	177.00	50	9.37	177.00	51	9.50	177.00
52	9.63	177.00	53	9.76	177.00	54	9.89	177.00
55	10.02	177.00	56	10.15	177.00	57	10.28	177.00
58	10.41	177.00	59	10.54	177.00	60	10.67	177.00
61	10.80	177.00	62	10.93	177.00	63	11.06	177.00
64	11.19	177.00	65	11.32	177.00	66	11.45	177.00
67	11.58	177.00	68	11.71	177.00	69	11.84	177.00
70	11.97	177.00	71	12.10	177.00	72	12.23	177.00
73	12.36	177.00	74	12.49	177.00	75	12.62	177.00
76	12.75	177.00	77	12.88	177.00	78	13.01	177.00
79	13.14	177.00	80	13.27	177.00	81	13.40	177.00
82	13.53	177.00	83	13.66	177.00	84	13.79	177.00
85	13.92	177.00	86	14.05	177.00	87	14.18	177.00
88	14.31	177.00	89	14.44	177.00	90	14.57	177.00
91	14.70	177.00	92	14.83	177.00	93	14.96	177.00
94	15.09	177.00	95	15.22	177.00	96	15.35	177.00
97	15.48	177.00	98	15.61	177.00	99	15.74	177.00
100	15.87	177.00						

Detailed Terrain Data

Study: JSM Twr 73ft 100dBu
Site: JSM Sheboygan site
Radial 3 of 12, 60.0 degrees true

Latitude: N43-45-56.00
Longitude: W87-45-59.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	191.00	2	3.13	190.00	3	3.26	188.00
4	3.39	189.00	5	3.52	187.00	6	3.65	187.00
7	3.78	186.00	8	3.91	185.00	9	4.04	185.00
10	4.17	184.00	11	4.30	184.00	12	4.43	183.00
13	4.56	183.00	14	4.69	183.00	15	4.82	183.00
16	4.95	177.00	17	5.08	177.00	18	5.21	177.00
19	5.34	177.00	20	5.47	177.00	21	5.60	177.00
22	5.73	177.00	23	5.86	177.00	24	5.99	177.00
25	6.12	177.00	26	6.25	177.00	27	6.38	177.00
28	6.51	177.00	29	6.64	177.00	30	6.77	177.00
31	6.90	177.00	32	7.03	177.00	33	7.16	177.00
34	7.29	177.00	35	7.42	177.00	36	7.55	177.00
37	7.68	177.00	38	7.81	177.00	39	7.94	177.00
40	8.07	177.00	41	8.20	177.00	42	8.33	177.00
43	8.46	177.00	44	8.59	177.00	45	8.72	177.00
46	8.85	177.00	47	8.98	177.00	48	9.11	177.00
49	9.24	177.00	50	9.37	177.00	51	9.50	177.00
52	9.63	177.00	53	9.76	177.00	54	9.89	177.00
55	10.02	177.00	56	10.15	177.00	57	10.28	177.00
58	10.41	177.00	59	10.54	177.00	60	10.67	177.00
61	10.80	177.00	62	10.93	177.00	63	11.06	177.00
64	11.19	177.00	65	11.32	177.00	66	11.45	177.00
67	11.58	177.00	68	11.71	177.00	69	11.84	177.00
70	11.97	177.00	71	12.10	177.00	72	12.23	177.00
73	12.36	177.00	74	12.49	177.00	75	12.62	177.00
76	12.75	177.00	77	12.88	177.00	78	13.01	177.00
79	13.14	177.00	80	13.27	177.00	81	13.40	177.00
82	13.53	177.00	83	13.66	177.00	84	13.79	177.00
85	13.92	177.00	86	14.05	177.00	87	14.18	177.00
88	14.31	177.00	89	14.44	177.00	90	14.57	177.00
91	14.70	177.00	92	14.83	177.00	93	14.96	177.00
94	15.09	177.00	95	15.22	177.00	96	15.35	177.00
97	15.48	177.00	98	15.61	177.00	99	15.74	177.00
100	15.87	177.00						

Detailed Terrain Data

Study: JSM Twr 73ft 100dBu
Site: JSM Sheboygan site
Radial 4 of 12, 90.0 degrees true

Latitude: N43-45-56.00
Longitude: W87-45-59.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	198.00	2	3.13	194.00	3	3.26	192.00
4	3.39	191.00	5	3.52	190.00	6	3.65	190.00
7	3.78	189.00	8	3.91	189.00	9	4.04	188.00
10	4.17	188.00	11	4.30	187.00	12	4.43	187.00
13	4.56	187.00	14	4.69	186.00	15	4.82	184.00
16	4.95	183.00	17	5.08	183.00	18	5.21	180.00
19	5.34	177.00	20	5.47	177.00	21	5.60	177.00
22	5.73	177.00	23	5.86	177.00	24	5.99	177.00
25	6.12	177.00	26	6.25	177.00	27	6.38	177.00
28	6.51	177.00	29	6.64	177.00	30	6.77	177.00
31	6.90	177.00	32	7.03	177.00	33	7.16	177.00
34	7.29	177.00	35	7.42	177.00	36	7.55	177.00
37	7.68	177.00	38	7.81	177.00	39	7.94	177.00
40	8.07	177.00	41	8.20	177.00	42	8.33	177.00
43	8.46	177.00	44	8.59	177.00	45	8.72	177.00
46	8.85	177.00	47	8.98	177.00	48	9.11	177.00
49	9.24	177.00	50	9.37	177.00	51	9.50	177.00
52	9.63	177.00	53	9.76	177.00	54	9.89	177.00
55	10.02	177.00	56	10.15	177.00	57	10.28	177.00
58	10.41	177.00	59	10.54	177.00	60	10.67	177.00
61	10.80	177.00	62	10.93	177.00	63	11.06	177.00
64	11.19	177.00	65	11.32	177.00	66	11.45	177.00
67	11.58	177.00	68	11.71	177.00	69	11.84	177.00
70	11.97	177.00	71	12.10	177.00	72	12.23	177.00
73	12.36	177.00	74	12.49	177.00	75	12.62	177.00
76	12.75	177.00	77	12.88	177.00	78	13.01	177.00
79	13.14	177.00	80	13.27	177.00	81	13.40	177.00
82	13.53	177.00	83	13.66	177.00	84	13.79	177.00
85	13.92	177.00	86	14.05	177.00	87	14.18	177.00
88	14.31	177.00	89	14.44	177.00	90	14.57	177.00
91	14.70	177.00	92	14.83	177.00	93	14.96	177.00
94	15.09	177.00	95	15.22	177.00	96	15.35	177.00
97	15.48	177.00	98	15.61	177.00	99	15.74	177.00
100	15.87	177.00						

Detailed Terrain Data

Study: JSM Twr 73ft 100dBu
Site: JSM Sheboygan site
Radial 5 of 12, 120.0 degrees true

Latitude: N43-45-56.00
Longitude: W87-45-59.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	194.00	2	3.13	191.00	3	3.26	187.00
4	3.39	183.00	5	3.52	183.00	6	3.65	183.00
7	3.78	183.00	8	3.91	183.00	9	4.04	183.00
10	4.17	183.00	11	4.30	183.00	12	4.43	183.00
13	4.56	182.00	14	4.69	182.00	15	4.82	181.00
16	4.95	180.00	17	5.08	179.00	18	5.21	177.00
19	5.34	177.00	20	5.47	177.00	21	5.60	177.00
22	5.73	177.00	23	5.86	177.00	24	5.99	177.00
25	6.12	177.00	26	6.25	177.00	27	6.38	177.00
28	6.51	177.00	29	6.64	177.00	30	6.77	177.00
31	6.90	177.00	32	7.03	177.00	33	7.16	177.00
34	7.29	177.00	35	7.42	177.00	36	7.55	177.00
37	7.68	177.00	38	7.81	177.00	39	7.94	177.00
40	8.07	177.00	41	8.20	177.00	42	8.33	177.00
43	8.46	177.00	44	8.59	177.00	45	8.72	177.00
46	8.85	177.00	47	8.98	177.00	48	9.11	177.00
49	9.24	177.00	50	9.37	177.00	51	9.50	177.00
52	9.63	177.00	53	9.76	177.00	54	9.89	177.00
55	10.02	177.00	56	10.15	177.00	57	10.28	177.00
58	10.41	177.00	59	10.54	177.00	60	10.67	177.00
61	10.80	177.00	62	10.93	177.00	63	11.06	177.00
64	11.19	177.00	65	11.32	177.00	66	11.45	177.00
67	11.58	177.00	68	11.71	177.00	69	11.84	177.00
70	11.97	177.00	71	12.10	177.00	72	12.23	177.00
73	12.36	177.00	74	12.49	177.00	75	12.62	177.00
76	12.75	177.00	77	12.88	177.00	78	13.01	177.00
79	13.14	177.00	80	13.27	177.00	81	13.40	177.00
82	13.53	177.00	83	13.66	177.00	84	13.79	177.00
85	13.92	177.00	86	14.05	177.00	87	14.18	177.00
88	14.31	177.00	89	14.44	177.00	90	14.57	177.00
91	14.70	177.00	92	14.83	177.00	93	14.96	177.00
94	15.09	177.00	95	15.22	177.00	96	15.35	177.00
97	15.48	177.00	98	15.61	177.00	99	15.74	177.00
100	15.87	177.00						

Detailed Terrain Data

Study: JSM Twr 73ft 100dBu
Site: JSM Sheboygan site
Radial 6 of 12, 150.0 degrees true

Latitude: N43-45-56.00
Longitude: W87-45-59.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	194.00	2	3.13	193.00	3	3.26	194.00
4	3.39	196.00	5	3.52	196.00	6	3.65	197.00
7	3.78	198.00	8	3.91	198.00	9	4.04	198.00
10	4.17	198.00	11	4.30	198.00	12	4.43	198.00
13	4.56	198.00	14	4.69	198.00	15	4.82	197.00
16	4.95	197.00	17	5.08	196.00	18	5.21	195.00
19	5.34	195.00	20	5.47	194.00	21	5.60	194.00
22	5.73	193.00	23	5.86	192.00	24	5.99	191.00
25	6.12	190.00	26	6.25	189.00	27	6.38	188.00
28	6.51	187.00	29	6.64	185.00	30	6.77	183.00
31	6.90	183.00	32	7.03	183.00	33	7.16	183.00
34	7.29	183.00	35	7.42	184.00	36	7.55	184.00
37	7.68	184.00	38	7.81	184.00	39	7.94	184.00
40	8.07	183.00	41	8.20	183.00	42	8.33	183.00
43	8.46	182.00	44	8.59	180.00	45	8.72	180.00
46	8.85	178.00	47	8.98	177.00	48	9.11	177.00
49	9.24	177.00	50	9.37	177.00	51	9.50	177.00
52	9.63	177.00	53	9.76	177.00	54	9.89	177.00
55	10.02	177.00	56	10.15	177.00	57	10.28	177.00
58	10.41	177.00	59	10.54	177.00	60	10.67	177.00
61	10.80	177.00	62	10.93	177.00	63	11.06	177.00
64	11.19	177.00	65	11.32	177.00	66	11.45	177.00
67	11.58	177.00	68	11.71	177.00	69	11.84	177.00
70	11.97	177.00	71	12.10	177.00	72	12.23	177.00
73	12.36	177.00	74	12.49	177.00	75	12.62	177.00
76	12.75	177.00	77	12.88	177.00	78	13.01	177.00
79	13.14	177.00	80	13.27	177.00	81	13.40	177.00
82	13.53	177.00	83	13.66	177.00	84	13.79	177.00
85	13.92	177.00	86	14.05	177.00	87	14.18	177.00
88	14.31	177.00	89	14.44	177.00	90	14.57	177.00
91	14.70	177.00	92	14.83	177.00	93	14.96	177.00
94	15.09	177.00	95	15.22	177.00	96	15.35	177.00
97	15.48	177.00	98	15.61	177.00	99	15.74	177.00
100	15.87	177.00						

Detailed Terrain Data

Study: JSM Twr 73ft 100dBu
Site: JSM Sheboygan site
Radial 7 of 12, 180.0 degrees true

Latitude: N43-45-56.00
Longitude: W87-45-59.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	198.00	2	3.13	198.00	3	3.26	198.00
4	3.39	198.00	5	3.52	198.00	6	3.65	201.00
7	3.78	205.00	8	3.91	207.00	9	4.04	209.00
10	4.17	210.00	11	4.30	210.00	12	4.43	211.00
13	4.56	212.00	14	4.69	212.00	15	4.82	213.00
16	4.95	213.00	17	5.08	213.00	18	5.21	213.00
19	5.34	214.00	20	5.47	214.00	21	5.60	214.00
22	5.73	213.00	23	5.86	215.00	24	5.99	215.00
25	6.12	216.00	26	6.25	217.00	27	6.38	216.00
28	6.51	214.00	29	6.64	213.00	30	6.77	213.00
31	6.90	213.00	32	7.03	213.00	33	7.16	213.00
34	7.29	213.00	35	7.42	213.00	36	7.55	213.00
37	7.68	213.00	38	7.81	213.00	39	7.94	213.00
40	8.07	214.00	41	8.20	213.00	42	8.33	213.00
43	8.46	213.00	44	8.59	213.00	45	8.72	213.00
46	8.85	213.00	47	8.98	213.00	48	9.11	213.00
49	9.24	213.00	50	9.37	213.00	51	9.50	213.00
52	9.63	213.00	53	9.76	213.00	54	9.89	213.00
55	10.02	213.00	56	10.15	213.00	57	10.28	213.00
58	10.41	213.00	59	10.54	214.00	60	10.67	214.00
61	10.80	214.00	62	10.93	215.00	63	11.06	215.00
64	11.19	216.00	65	11.32	216.00	66	11.45	215.00
67	11.58	214.00	68	11.71	214.00	69	11.84	213.00
70	11.97	213.00	71	12.10	212.00	72	12.23	211.00
73	12.36	209.00	74	12.49	209.00	75	12.62	208.00
76	12.75	206.00	77	12.88	205.00	78	13.01	201.00
79	13.14	201.00	80	13.27	200.00	81	13.40	198.00
82	13.53	198.00	83	13.66	198.00	84	13.79	197.00
85	13.92	196.00	86	14.05	195.00	87	14.18	195.00
88	14.31	194.00	89	14.44	193.00	90	14.57	192.00
91	14.70	191.00	92	14.83	191.00	93	14.96	190.00
94	15.09	190.00	95	15.22	187.00	96	15.35	186.00
97	15.48	187.00	98	15.61	188.00	99	15.74	190.00
100	15.87	186.00						

Detailed Terrain Data

Study: JSM Twr 73ft 100dBu
Site: JSM Sheboygan site
Radial 8 of 12, 210.0 degrees true

Latitude: N43-45-56.00
Longitude: W87-45-59.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	204.00	2	3.13	204.00	3	3.26	204.00
4	3.39	204.00	5	3.52	204.00	6	3.65	204.00
7	3.78	203.00	8	3.91	203.00	9	4.04	203.00
10	4.17	203.00	11	4.30	203.00	12	4.43	203.00
13	4.56	202.00	14	4.69	203.00	15	4.82	203.00
16	4.95	203.00	17	5.08	203.00	18	5.21	204.00
19	5.34	204.00	20	5.47	204.00	21	5.60	205.00
22	5.73	205.00	23	5.86	205.00	24	5.99	205.00
25	6.12	206.00	26	6.25	207.00	27	6.38	207.00
28	6.51	208.00	29	6.64	208.00	30	6.77	207.00
31	6.90	207.00	32	7.03	207.00	33	7.16	207.00
34	7.29	208.00	35	7.42	208.00	36	7.55	208.00
37	7.68	210.00	38	7.81	212.00	39	7.94	212.00
40	8.07	213.00	41	8.20	212.00	42	8.33	212.00
43	8.46	211.00	44	8.59	210.00	45	8.72	210.00
46	8.85	211.00	47	8.98	212.00	48	9.11	213.00
49	9.24	213.00	50	9.37	214.00	51	9.50	214.00
52	9.63	215.00	53	9.76	215.00	54	9.89	216.00
55	10.02	216.00	56	10.15	217.00	57	10.28	216.00
58	10.41	216.00	59	10.54	216.00	60	10.67	217.00
61	10.80	217.00	62	10.93	218.00	63	11.06	218.00
64	11.19	218.00	65	11.32	219.00	66	11.45	219.00
67	11.58	219.00	68	11.71	219.00	69	11.84	219.00
70	11.97	220.00	71	12.10	220.00	72	12.23	221.00
73	12.36	221.00	74	12.49	222.00	75	12.62	222.00
76	12.75	223.00	77	12.88	223.00	78	13.01	224.00
79	13.14	225.00	80	13.27	226.00	81	13.40	226.00
82	13.53	228.00	83	13.66	229.00	84	13.79	229.00
85	13.92	228.00	86	14.05	228.00	87	14.18	228.00
88	14.31	228.00	89	14.44	229.00	90	14.57	229.00
91	14.70	228.00	92	14.83	228.00	93	14.96	228.00
94	15.09	228.00	95	15.22	228.00	96	15.35	228.00
97	15.48	229.00	98	15.61	228.00	99	15.74	229.00
100	15.87	229.00						

Detailed Terrain Data

Study: JSM Twr 73ft 100dBu
Site: JSM Sheboygan site
Radial 9 of 12, 240.0 degrees true

Latitude: N43-45-56.00
Longitude: W87-45-59.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	213.00	2	3.13	213.00	3	3.26	213.00
4	3.39	213.00	5	3.52	213.00	6	3.65	213.00
7	3.78	213.00	8	3.91	213.00	9	4.04	213.00
10	4.17	213.00	11	4.30	213.00	12	4.43	213.00
13	4.56	213.00	14	4.69	214.00	15	4.82	216.00
16	4.95	217.00	17	5.08	219.00	18	5.21	220.00
19	5.34	222.00	20	5.47	223.00	21	5.60	224.00
22	5.73	226.00	23	5.86	226.00	24	5.99	228.00
25	6.12	225.00	26	6.25	221.00	27	6.38	216.00
28	6.51	214.00	29	6.64	212.00	30	6.77	212.00
31	6.90	212.00	32	7.03	213.00	33	7.16	213.00
34	7.29	213.00	35	7.42	215.00	36	7.55	215.00
37	7.68	217.00	38	7.81	218.00	39	7.94	219.00
40	8.07	219.00	41	8.20	220.00	42	8.33	221.00
43	8.46	222.00	44	8.59	223.00	45	8.72	224.00
46	8.85	225.00	47	8.98	226.00	48	9.11	226.00
49	9.24	227.00	50	9.37	228.00	51	9.50	229.00
52	9.63	229.00	53	9.76	229.00	54	9.89	229.00
55	10.02	229.00	56	10.15	229.00	57	10.28	229.00
58	10.41	229.00	59	10.54	229.00	60	10.67	230.00
61	10.80	231.00	62	10.93	232.00	63	11.06	233.00
64	11.19	234.00	65	11.32	235.00	66	11.45	236.00
67	11.58	238.00	68	11.71	239.00	69	11.84	239.00
70	11.97	241.00	71	12.10	242.00	72	12.23	244.00
73	12.36	244.00	74	12.49	244.00	75	12.62	244.00
76	12.75	244.00	77	12.88	244.00	78	13.01	245.00
79	13.14	245.00	80	13.27	246.00	81	13.40	246.00
82	13.53	247.00	83	13.66	248.00	84	13.79	248.00
85	13.92	249.00	86	14.05	250.00	87	14.18	250.00
88	14.31	251.00	89	14.44	251.00	90	14.57	252.00
91	14.70	251.00	92	14.83	250.00	93	14.96	249.00
94	15.09	251.00	95	15.22	254.00	96	15.35	254.00
97	15.48	256.00	98	15.61	257.00	99	15.74	258.00
100	15.87	258.00						

Detailed Terrain Data

Study: JSM Twr 73ft 100dBu
Site: JSM Sheboygan site
Radial 10 of 12, 270.0 degrees true

Latitude: N43-45-56.00
Longitude: W87-45-59.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	210.00	2	3.13	211.00	3	3.26	212.00
4	3.39	213.00	5	3.52	213.00	6	3.65	213.00
7	3.78	213.00	8	3.91	214.00	9	4.04	214.00
10	4.17	215.00	11	4.30	216.00	12	4.43	218.00
13	4.56	219.00	14	4.69	220.00	15	4.82	222.00
16	4.95	224.00	17	5.08	226.00	18	5.21	226.00
19	5.34	225.00	20	5.47	224.00	21	5.60	223.00
22	5.73	223.00	23	5.86	222.00	24	5.99	221.00
25	6.12	220.00	26	6.25	219.00	27	6.38	220.00
28	6.51	223.00	29	6.64	225.00	30	6.77	227.00
31	6.90	227.00	32	7.03	227.00	33	7.16	226.00
34	7.29	226.00	35	7.42	225.00	36	7.55	225.00
37	7.68	226.00	38	7.81	227.00	39	7.94	229.00
40	8.07	227.00	41	8.20	226.00	42	8.33	225.00
43	8.46	225.00	44	8.59	225.00	45	8.72	226.00
46	8.85	226.00	47	8.98	226.00	48	9.11	227.00
49	9.24	227.00	50	9.37	227.00	51	9.50	229.00
52	9.63	228.00	53	9.76	228.00	54	9.89	228.00
55	10.02	229.00	56	10.15	229.00	57	10.28	230.00
58	10.41	232.00	59	10.54	234.00	60	10.67	234.00
61	10.80	234.00	62	10.93	235.00	63	11.06	236.00
64	11.19	237.00	65	11.32	237.00	66	11.45	234.00
67	11.58	232.00	68	11.71	232.00	69	11.84	235.00
70	11.97	240.00	71	12.10	243.00	72	12.23	244.00
73	12.36	244.00	74	12.49	244.00	75	12.62	244.00
76	12.75	244.00	77	12.88	244.00	78	13.01	244.00
79	13.14	244.00	80	13.27	244.00	81	13.40	244.00
82	13.53	244.00	83	13.66	244.00	84	13.79	244.00
85	13.92	244.00	86	14.05	244.00	87	14.18	241.00
88	14.31	241.00	89	14.44	243.00	90	14.57	245.00
91	14.70	248.00	92	14.83	252.00	93	14.96	255.00
94	15.09	258.00	95	15.22	259.00	96	15.35	261.00
97	15.48	259.00	98	15.61	259.00	99	15.74	259.00
100	15.87	261.00						

Detailed Terrain Data

Study: JSM Twr 73ft 100dBu
Site: JSM Sheboygan site
Radial 11 of 12, 300.0 degrees true

Latitude: N43-45-56.00
Longitude: W87-45-59.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	213.00	2	3.13	213.00	3	3.26	213.00
4	3.39	213.00	5	3.52	213.00	6	3.65	213.00
7	3.78	213.00	8	3.91	213.00	9	4.04	213.00
10	4.17	213.00	11	4.30	214.00	12	4.43	215.00
13	4.56	216.00	14	4.69	219.00	15	4.82	219.00
16	4.95	220.00	17	5.08	220.00	18	5.21	220.00
19	5.34	221.00	20	5.47	221.00	21	5.60	223.00
22	5.73	224.00	23	5.86	225.00	24	5.99	226.00
25	6.12	227.00	26	6.25	229.00	27	6.38	229.00
28	6.51	229.00	29	6.64	229.00	30	6.77	229.00
31	6.90	229.00	32	7.03	230.00	33	7.16	230.00
34	7.29	231.00	35	7.42	236.00	36	7.55	239.00
37	7.68	240.00	38	7.81	243.00	39	7.94	243.00
40	8.07	243.00	41	8.20	243.00	42	8.33	241.00
43	8.46	242.00	44	8.59	242.00	45	8.72	241.00
46	8.85	241.00	47	8.98	242.00	48	9.11	242.00
49	9.24	241.00	50	9.37	241.00	51	9.50	241.00
52	9.63	240.00	53	9.76	240.00	54	9.89	240.00
55	10.02	241.00	56	10.15	240.00	57	10.28	241.00
58	10.41	241.00	59	10.54	241.00	60	10.67	242.00
61	10.80	243.00	62	10.93	243.00	63	11.06	243.00
64	11.19	243.00	65	11.32	244.00	66	11.45	244.00
67	11.58	244.00	68	11.71	244.00	69	11.84	244.00
70	11.97	244.00	71	12.10	245.00	72	12.23	247.00
73	12.36	248.00	74	12.49	249.00	75	12.62	251.00
76	12.75	249.00	77	12.88	248.00	78	13.01	247.00
79	13.14	245.00	80	13.27	244.00	81	13.40	243.00
82	13.53	242.00	83	13.66	243.00	84	13.79	244.00
85	13.92	252.00	86	14.05	257.00	87	14.18	263.00
88	14.31	275.00	89	14.44	276.00	90	14.57	277.00
91	14.70	280.00	92	14.83	282.00	93	14.96	283.00
94	15.09	284.00	95	15.22	282.00	96	15.35	280.00
97	15.48	280.00	98	15.61	281.00	99	15.74	280.00
100	15.87	279.00						

Detailed Terrain Data

Study: JSM Twr 73ft 100dBu
Site: JSM Sheboygan site
Radial 12 of 12, 330.0 degrees true

Latitude: N43-45-56.00
Longitude: W87-45-59.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	214.00	2	3.13	213.00	3	3.26	213.00
4	3.39	213.00	5	3.52	213.00	6	3.65	213.00
7	3.78	213.00	8	3.91	213.00	9	4.04	213.00
10	4.17	213.00	11	4.30	214.00	12	4.43	215.00
13	4.56	216.00	14	4.69	216.00	15	4.82	215.00
16	4.95	214.00	17	5.08	213.00	18	5.21	213.00
19	5.34	213.00	20	5.47	213.00	21	5.60	214.00
22	5.73	215.00	23	5.86	215.00	24	5.99	213.00
25	6.12	215.00	26	6.25	216.00	27	6.38	216.00
28	6.51	217.00	29	6.64	219.00	30	6.77	221.00
31	6.90	221.00	32	7.03	221.00	33	7.16	224.00
34	7.29	226.00	35	7.42	226.00	36	7.55	225.00
37	7.68	223.00	38	7.81	220.00	39	7.94	218.00
40	8.07	215.00	41	8.20	213.00	42	8.33	213.00
43	8.46	213.00	44	8.59	214.00	45	8.72	216.00
46	8.85	217.00	47	8.98	219.00	48	9.11	220.00
49	9.24	221.00	50	9.37	222.00	51	9.50	223.00
52	9.63	223.00	53	9.76	224.00	54	9.89	224.00
55	10.02	223.00	56	10.15	224.00	57	10.28	225.00
58	10.41	223.00	59	10.54	223.00	60	10.67	223.00
61	10.80	223.00	62	10.93	224.00	63	11.06	224.00
64	11.19	226.00	65	11.32	226.00	66	11.45	227.00
67	11.58	228.00	68	11.71	228.00	69	11.84	228.00
70	11.97	228.00	71	12.10	229.00	72	12.23	229.00
73	12.36	230.00	74	12.49	231.00	75	12.62	229.00
76	12.75	229.00	77	12.88	233.00	78	13.01	233.00
79	13.14	236.00	80	13.27	238.00	81	13.40	240.00
82	13.53	242.00	83	13.66	244.00	84	13.79	244.00
85	13.92	244.00	86	14.05	247.00	87	14.18	250.00
88	14.31	251.00	89	14.44	253.00	90	14.57	255.00
91	14.70	256.00	92	14.83	257.00	93	14.96	258.00
94	15.09	256.00	95	15.22	252.00	96	15.35	250.00
97	15.48	246.00	98	15.61	244.00	99	15.74	244.00
100	15.87	244.00						