

Distance to FM Contour

Study: Madam Aerials Tower 82ft  
Site: Madam Aerials Tower site

Latitude: N44-14-42.00  
Longitude: W88-30-16.00

True Radial Bearing (Degrees)	Average Elevation (meters)	Radiation Center Height Above Average Terrain (meters)	Effective Radiated Power (W)	(dBW)	Distance to Contour 60.0 dBu F(50,50) (km)
0.00	244.10	30.90	120.00	20.79	5.97
30.00	234.00	41.00	120.00	20.79	6.83
60.00	228.49	46.51	120.00	20.79	7.30
90.00	231.34	43.66	120.00	20.79	7.06
120.00	228.41	46.59	120.00	20.79	7.31
150.00	228.21	46.79	120.00	20.79	7.33
180.00	234.27	40.73	120.00	20.79	6.81
210.00	257.73	17.27	120.00	20.79	5.90
240.00	248.66	26.34	120.00	20.79	5.90
270.00	240.20	34.80	120.00	20.79	6.31
300.00	252.37	22.63	120.00	20.79	5.90
330.00	257.43	17.57	120.00	20.79	5.90

Radiation Center (AGL): 28.0 meters 91.9 feet  
Radiation Center (AMSL): 275.0 meters 902.2 feet  
Radiation Center (HAAT): 34.6 meters 113.4 feet  
Average Terrain (AMSL): 240.4 meters 788.8 feet  
Ground AMSL: 247.0 meters 810.4 feet

Peak ERP: 120.0 W  
Frequency: 95.1 MHz  
Antenna: B2  
Orientation: 0.00°  
Downtilt: 0.00°

Area within 60.0 dBu F(50,50) Contour is 135.695 km

Detailed Terrain Data

Study: Madam Aerials Tower 82ft  
Site: Madam Aerials Tower site  
Radial 1 of 12, 0.0 degrees true

Latitude: N44-14-42.00  
Longitude: W88-30-16.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	247.00	2	3.13	253.00	3	3.26	254.00
4	3.39	254.00	5	3.52	255.00	6	3.65	255.00
7	3.78	255.00	8	3.91	257.00	9	4.04	257.00
10	4.17	258.00	11	4.30	258.00	12	4.43	258.00
13	4.56	258.00	14	4.69	258.00	15	4.82	258.00
16	4.95	258.00	17	5.08	259.00	18	5.21	258.00
19	5.34	256.00	20	5.47	254.00	21	5.60	253.00
22	5.73	252.00	23	5.86	251.00	24	5.99	250.00
25	6.12	249.00	26	6.25	248.00	27	6.38	247.00
28	6.51	245.00	29	6.64	244.00	30	6.77	243.00
31	6.90	243.00	32	7.03	243.00	33	7.16	243.00
34	7.29	243.00	35	7.42	243.00	36	7.55	240.00
37	7.68	238.00	38	7.81	237.00	39	7.94	233.00
40	8.07	231.00	41	8.20	228.00	42	8.33	228.00
43	8.46	228.00	44	8.59	229.00	45	8.72	230.00
46	8.85	231.00	47	8.98	232.00	48	9.11	234.00
49	9.24	235.00	50	9.37	237.00	51	9.50	238.00
52	9.63	239.00	53	9.76	241.00	54	9.89	242.00
55	10.02	243.00	56	10.15	244.00	57	10.28	243.00
58	10.41	244.00	59	10.54	244.00	60	10.67	243.00
61	10.80	245.00	62	10.93	251.00	63	11.06	253.00
64	11.19	256.00	65	11.32	258.00	66	11.45	258.00
67	11.58	256.00	68	11.71	253.00	69	11.84	249.00
70	11.97	247.00	71	12.10	244.00	72	12.23	241.00
73	12.36	238.00	74	12.49	234.00	75	12.62	232.00
76	12.75	228.00	77	12.88	228.00	78	13.01	228.00
79	13.14	228.00	80	13.27	228.00	81	13.40	228.00
82	13.53	228.00	83	13.66	239.00	84	13.79	243.00
85	13.92	243.00	86	14.05	243.00	87	14.18	243.00
88	14.31	243.00	89	14.44	243.00	90	14.57	243.00
91	14.70	243.00	92	14.83	243.00	93	14.96	243.00
94	15.09	243.00	95	15.22	243.00	96	15.35	243.00
97	15.48	243.00	98	15.61	243.00	99	15.74	243.00
100	15.87	243.00						

Detailed Terrain Data

Study: Madam Aerials Tower 82ft  
Site: Madam Aerials Tower site  
Radial 2 of 12, 30.0 degrees true

Latitude: N44-14-42.00  
Longitude: W88-30-16.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	239.00	2	3.13	238.00	3	3.26	237.00
4	3.39	236.00	5	3.52	234.00	6	3.65	232.00
7	3.78	231.00	8	3.91	231.00	9	4.04	232.00
10	4.17	235.00	11	4.30	235.00	12	4.43	235.00
13	4.56	235.00	14	4.69	235.00	15	4.82	234.00
16	4.95	234.00	17	5.08	233.00	18	5.21	233.00
19	5.34	232.00	20	5.47	232.00	21	5.60	232.00
22	5.73	231.00	23	5.86	231.00	24	5.99	231.00
25	6.12	231.00	26	6.25	231.00	27	6.38	231.00
28	6.51	231.00	29	6.64	231.00	30	6.77	231.00
31	6.90	231.00	32	7.03	232.00	33	7.16	232.00
34	7.29	232.00	35	7.42	232.00	36	7.55	232.00
37	7.68	233.00	38	7.81	233.00	39	7.94	233.00
40	8.07	233.00	41	8.20	233.00	42	8.33	233.00
43	8.46	233.00	44	8.59	233.00	45	8.72	233.00
46	8.85	233.00	47	8.98	233.00	48	9.11	233.00
49	9.24	233.00	50	9.37	233.00	51	9.50	234.00
52	9.63	233.00	53	9.76	233.00	54	9.89	232.00
55	10.02	232.00	56	10.15	231.00	57	10.28	231.00
58	10.41	230.00	59	10.54	230.00	60	10.67	229.00
61	10.80	229.00	62	10.93	229.00	63	11.06	229.00
64	11.19	229.00	65	11.32	229.00	66	11.45	229.00
67	11.58	229.00	68	11.71	229.00	69	11.84	230.00
70	11.97	230.00	71	12.10	229.00	72	12.23	230.00
73	12.36	230.00	74	12.49	230.00	75	12.62	229.00
76	12.75	230.00	77	12.88	230.00	78	13.01	230.00
79	13.14	231.00	80	13.27	231.00	81	13.40	233.00
82	13.53	234.00	83	13.66	235.00	84	13.79	238.00
85	13.92	240.00	86	14.05	242.00	87	14.18	242.00
88	14.31	243.00	89	14.44	243.00	90	14.57	243.00
91	14.70	243.00	92	14.83	243.00	93	14.96	243.00
94	15.09	243.00	95	15.22	244.00	96	15.35	245.00
97	15.48	246.00	98	15.61	248.00	99	15.74	249.00
100	15.87	249.00						

Detailed Terrain Data

Study: Madam Aerials Tower 82ft  
Site: Madam Aerials Tower site  
Radial 3 of 12, 60.0 degrees true

Latitude: N44-14-42.00  
Longitude: W88-30-16.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	230.00	2	3.13	229.00	3	3.26	228.00
4	3.39	228.00	5	3.52	228.00	6	3.65	228.00
7	3.78	228.00	8	3.91	228.00	9	4.04	228.00
10	4.17	228.00	11	4.30	228.00	12	4.43	228.00
13	4.56	228.00	14	4.69	228.00	15	4.82	228.00
16	4.95	228.00	17	5.08	229.00	18	5.21	228.00
19	5.34	228.00	20	5.47	228.00	21	5.60	230.00
22	5.73	233.00	23	5.86	235.00	24	5.99	237.00
25	6.12	238.00	26	6.25	240.00	27	6.38	241.00
28	6.51	242.00	29	6.64	243.00	30	6.77	243.00
31	6.90	244.00	32	7.03	244.00	33	7.16	244.00
34	7.29	244.00	35	7.42	244.00	36	7.55	244.00
37	7.68	244.00	38	7.81	244.00	39	7.94	244.00
40	8.07	243.00	41	8.20	243.00	42	8.33	243.00
43	8.46	242.00	44	8.59	241.00	45	8.72	240.00
46	8.85	240.00	47	8.98	238.00	48	9.11	237.00
49	9.24	236.00	50	9.37	235.00	51	9.50	234.00
52	9.63	233.00	53	9.76	232.00	54	9.89	232.00
55	10.02	230.00	56	10.15	229.00	57	10.28	228.00
58	10.41	228.00	59	10.54	228.00	60	10.67	228.00
61	10.80	228.00	62	10.93	228.00	63	11.06	228.00
64	11.19	228.00	65	11.32	227.00	66	11.45	226.00
67	11.58	226.00	68	11.71	225.00	69	11.84	225.00
70	11.97	224.00	71	12.10	224.00	72	12.23	223.00
73	12.36	222.00	74	12.49	222.00	75	12.62	221.00
76	12.75	221.00	77	12.88	220.00	78	13.01	220.00
79	13.14	219.00	80	13.27	219.00	81	13.40	218.00
82	13.53	218.00	83	13.66	217.00	84	13.79	217.00
85	13.92	216.00	86	14.05	216.00	87	14.18	215.00
88	14.31	215.00	89	14.44	214.00	90	14.57	214.00
91	14.70	214.00	92	14.83	213.00	93	14.96	213.00
94	15.09	213.00	95	15.22	213.00	96	15.35	213.00
97	15.48	213.00	98	15.61	213.00	99	15.74	213.00
100	15.87	213.00						

Detailed Terrain Data

Study: Madam Aerials Tower 82ft  
Site: Madam Aerials Tower site  
Radial 4 of 12, 90.0 degrees true

Latitude: N44-14-42.00  
Longitude: W88-30-16.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	228.00	2	3.13	228.00	3	3.26	228.00
4	3.39	228.00	5	3.52	228.00	6	3.65	228.00
7	3.78	228.00	8	3.91	228.00	9	4.04	228.00
10	4.17	228.00	11	4.30	228.00	12	4.43	228.00
13	4.56	228.00	14	4.69	228.00	15	4.82	228.00
16	4.95	228.00	17	5.08	228.00	18	5.21	228.00
19	5.34	228.00	20	5.47	228.00	21	5.60	228.00
22	5.73	228.00	23	5.86	228.00	24	5.99	228.00
25	6.12	228.00	26	6.25	228.00	27	6.38	228.00
28	6.51	228.00	29	6.64	228.00	30	6.77	228.00
31	6.90	230.00	32	7.03	230.00	33	7.16	230.00
34	7.29	230.00	35	7.42	230.00	36	7.55	230.00
37	7.68	231.00	38	7.81	232.00	39	7.94	232.00
40	8.07	232.00	41	8.20	232.00	42	8.33	232.00
43	8.46	232.00	44	8.59	232.00	45	8.72	232.00
46	8.85	232.00	47	8.98	231.00	48	9.11	231.00
49	9.24	231.00	50	9.37	230.00	51	9.50	232.00
52	9.63	235.00	53	9.76	235.00	54	9.89	236.00
55	10.02	236.00	56	10.15	236.00	57	10.28	236.00
58	10.41	236.00	59	10.54	236.00	60	10.67	236.00
61	10.80	236.00	62	10.93	236.00	63	11.06	237.00
64	11.19	237.00	65	11.32	237.00	66	11.45	237.00
67	11.58	237.00	68	11.71	237.00	69	11.84	237.00
70	11.97	237.00	71	12.10	237.00	72	12.23	237.00
73	12.36	237.00	74	12.49	236.00	75	12.62	236.00
76	12.75	235.00	77	12.88	234.00	78	13.01	233.00
79	13.14	233.00	80	13.27	232.00	81	13.40	231.00
82	13.53	230.00	83	13.66	229.00	84	13.79	228.00
85	13.92	228.00	86	14.05	228.00	87	14.18	228.00
88	14.31	231.00	89	14.44	232.00	90	14.57	233.00
91	14.70	233.00	92	14.83	232.00	93	14.96	232.00
94	15.09	231.00	95	15.22	230.00	96	15.35	230.00
97	15.48	229.00	98	15.61	228.00	99	15.74	228.00
100	15.87	229.00						

Detailed Terrain Data

Study: Madam Aerials Tower 82ft  
Site: Madam Aerials Tower site  
Radial 5 of 12, 120.0 degrees true

Latitude: N44-14-42.00  
Longitude: W88-30-16.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	228.00	2	3.13	228.00	3	3.26	228.00
4	3.39	228.00	5	3.52	228.00	6	3.65	228.00
7	3.78	228.00	8	3.91	228.00	9	4.04	228.00
10	4.17	228.00	11	4.30	228.00	12	4.43	228.00
13	4.56	228.00	14	4.69	228.00	15	4.82	228.00
16	4.95	228.00	17	5.08	229.00	18	5.21	229.00
19	5.34	230.00	20	5.47	231.00	21	5.60	231.00
22	5.73	232.00	23	5.86	232.00	24	5.99	232.00
25	6.12	231.00	26	6.25	231.00	27	6.38	231.00
28	6.51	231.00	29	6.64	230.00	30	6.77	230.00
31	6.90	229.00	32	7.03	229.00	33	7.16	229.00
34	7.29	228.00	35	7.42	228.00	36	7.55	228.00
37	7.68	228.00	38	7.81	228.00	39	7.94	228.00
40	8.07	228.00	41	8.20	228.00	42	8.33	228.00
43	8.46	228.00	44	8.59	228.00	45	8.72	228.00
46	8.85	228.00	47	8.98	228.00	48	9.11	228.00
49	9.24	228.00	50	9.37	228.00	51	9.50	228.00
52	9.63	228.00	53	9.76	228.00	54	9.89	228.00
55	10.02	228.00	56	10.15	228.00	57	10.28	228.00
58	10.41	228.00	59	10.54	228.00	60	10.67	228.00
61	10.80	228.00	62	10.93	228.00	63	11.06	228.00
64	11.19	228.00	65	11.32	228.00	66	11.45	228.00
67	11.58	228.00	68	11.71	228.00	69	11.84	228.00
70	11.97	228.00	71	12.10	228.00	72	12.23	228.00
73	12.36	228.00	74	12.49	228.00	75	12.62	228.00
76	12.75	228.00	77	12.88	228.00	78	13.01	228.00
79	13.14	228.00	80	13.27	228.00	81	13.40	228.00
82	13.53	228.00	83	13.66	228.00	84	13.79	228.00
85	13.92	228.00	86	14.05	228.00	87	14.18	228.00
88	14.31	228.00	89	14.44	228.00	90	14.57	228.00
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	228.00	98	15.61	228.00	99	15.74	228.00
100	15.87	228.00						

Detailed Terrain Data

Study: Madam Aerials Tower 82ft  
Site: Madam Aerials Tower site  
Radial 6 of 12, 150.0 degrees true

Latitude: N44-14-42.00  
Longitude: W88-30-16.00

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

Detailed Terrain Data

Study: Madam Aerials Tower 82ft  
Site: Madam Aerials Tower site  
Radial 7 of 12, 180.0 degrees true

Latitude: N44-14-42.00  
Longitude: W88-30-16.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	240.00	2	3.13	240.00	3	3.26	240.00
4	3.39	240.00	5	3.52	240.00	6	3.65	240.00
7	3.78	240.00	8	3.91	240.00	9	4.04	240.00
10	4.17	239.00	11	4.30	239.00	12	4.43	239.00
13	4.56	239.00	14	4.69	239.00	15	4.82	239.00
16	4.95	239.00	17	5.08	239.00	18	5.21	239.00
19	5.34	239.00	20	5.47	239.00	21	5.60	239.00
22	5.73	239.00	23	5.86	238.00	24	5.99	238.00
25	6.12	238.00	26	6.25	238.00	27	6.38	237.00
28	6.51	237.00	29	6.64	236.00	30	6.77	236.00
31	6.90	235.00	32	7.03	235.00	33	7.16	234.00
34	7.29	233.00	35	7.42	233.00	36	7.55	232.00
37	7.68	232.00	38	7.81	232.00	39	7.94	233.00
40	8.07	233.00	41	8.20	234.00	42	8.33	234.00
43	8.46	234.00	44	8.59	233.00	45	8.72	233.00
46	8.85	233.00	47	8.98	233.00	48	9.11	233.00
49	9.24	233.00	50	9.37	233.00	51	9.50	233.00
52	9.63	232.00	53	9.76	231.00	54	9.89	230.00
55	10.02	228.00	56	10.15	228.00	57	10.28	228.00
58	10.41	228.00	59	10.54	228.00	60	10.67	228.00
61	10.80	228.00	62	10.93	228.00	63	11.06	228.00
64	11.19	228.00	65	11.32	228.00	66	11.45	228.00
67	11.58	228.00	68	11.71	228.00	69	11.84	229.00
70	11.97	229.00	71	12.10	230.00	72	12.23	231.00
73	12.36	231.00	74	12.49	232.00	75	12.62	232.00
76	12.75	233.00	77	12.88	234.00	78	13.01	234.00
79	13.14	234.00	80	13.27	234.00	81	13.40	235.00
82	13.53	235.00	83	13.66	235.00	84	13.79	235.00
85	13.92	235.00	86	14.05	235.00	87	14.18	235.00
88	14.31	235.00	89	14.44	235.00	90	14.57	235.00
91	14.70	235.00	92	14.83	235.00	93	14.96	235.00
94	15.09	235.00	95	15.22	235.00	96	15.35	235.00
97	15.48	234.00	98	15.61	234.00	99	15.74	234.00
100	15.87	234.00						



Detailed Terrain Data

Study: Madam Aerials Tower 82ft  
Site: Madam Aerials Tower site  
Radial 8 of 12, 210.0 degrees true

Latitude: N44-14-42.00  
Longitude: W88-30-16.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	243.00	2	3.13	243.00	3	3.26	244.00
4	3.39	244.00	5	3.52	245.00	6	3.65	246.00
7	3.78	246.00	8	3.91	247.00	9	4.04	249.00
10	4.17	251.00	11	4.30	252.00	12	4.43	253.00
13	4.56	254.00	14	4.69	256.00	15	4.82	257.00
16	4.95	259.00	17	5.08	259.00	18	5.21	261.00
19	5.34	264.00	20	5.47	266.00	21	5.60	267.00
22	5.73	268.00	23	5.86	270.00	24	5.99	271.00
25	6.12	272.00	26	6.25	274.00	27	6.38	274.00
28	6.51	274.00	29	6.64	273.00	30	6.77	273.00
31	6.90	272.00	32	7.03	271.00	33	7.16	271.00
34	7.29	270.00	35	7.42	270.00	36	7.55	269.00
37	7.68	268.00	38	7.81	268.00	39	7.94	268.00
40	8.07	268.00	41	8.20	267.00	42	8.33	267.00
43	8.46	266.00	44	8.59	266.00	45	8.72	265.00
46	8.85	264.00	47	8.98	263.00	48	9.11	263.00
49	9.24	262.00	50	9.37	261.00	51	9.50	261.00
52	9.63	260.00	53	9.76	259.00	54	9.89	259.00
55	10.02	258.00	56	10.15	258.00	57	10.28	258.00
58	10.41	258.00	59	10.54	258.00	60	10.67	258.00
61	10.80	258.00	62	10.93	258.00	63	11.06	258.00
64	11.19	258.00	65	11.32	258.00	66	11.45	258.00
67	11.58	257.00	68	11.71	257.00	69	11.84	257.00
70	11.97	257.00	71	12.10	257.00	72	12.23	257.00
73	12.36	256.00	74	12.49	256.00	75	12.62	256.00
76	12.75	256.00	77	12.88	255.00	78	13.01	255.00
79	13.14	254.00	80	13.27	253.00	81	13.40	253.00
82	13.53	253.00	83	13.66	252.00	84	13.79	252.00
85	13.92	251.00	86	14.05	251.00	87	14.18	250.00
88	14.31	250.00	89	14.44	248.00	90	14.57	248.00
91	14.70	247.00	92	14.83	247.00	93	14.96	247.00
94	15.09	246.00	95	15.22	246.00	96	15.35	245.00
97	15.48	245.00	98	15.61	244.00	99	15.74	243.00
100	15.87	243.00						

Detailed Terrain Data

Study: Madam Aerials Tower 82ft  
Site: Madam Aerials Tower site  
Radial 9 of 12, 240.0 degrees true

Latitude: N44-14-42.00  
Longitude: W88-30-16.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	251.00	2	3.13	252.00	3	3.26	252.00
4	3.39	254.00	5	3.52	257.00	6	3.65	259.00
7	3.78	259.00	8	3.91	259.00	9	4.04	259.00
10	4.17	259.00	11	4.30	260.00	12	4.43	263.00
13	4.56	264.00	14	4.69	265.00	15	4.82	268.00
16	4.95	270.00	17	5.08	272.00	18	5.21	273.00
19	5.34	270.00	20	5.47	267.00	21	5.60	266.00
22	5.73	264.00	23	5.86	262.00	24	5.99	261.00
25	6.12	258.00	26	6.25	258.00	27	6.38	259.00
28	6.51	257.00	29	6.64	256.00	30	6.77	256.00
31	6.90	254.00	32	7.03	252.00	33	7.16	252.00
34	7.29	250.00	35	7.42	249.00	36	7.55	249.00
37	7.68	249.00	38	7.81	247.00	39	7.94	246.00
40	8.07	246.00	41	8.20	245.00	42	8.33	243.00
43	8.46	243.00	44	8.59	243.00	45	8.72	243.00
46	8.85	243.00	47	8.98	243.00	48	9.11	243.00
49	9.24	243.00	50	9.37	243.00	51	9.50	243.00
52	9.63	242.00	53	9.76	242.00	54	9.89	242.00
55	10.02	241.00	56	10.15	241.00	57	10.28	240.00
58	10.41	240.00	59	10.54	240.00	60	10.67	240.00
61	10.80	241.00	62	10.93	241.00	63	11.06	242.00
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	243.00
70	11.97	243.00	71	12.10	242.00	72	12.23	242.00
73	12.36	241.00	74	12.49	241.00	75	12.62	242.00
76	12.75	241.00	77	12.88	242.00	78	13.01	243.00
79	13.14	243.00	80	13.27	243.00	81	13.40	243.00
82	13.53	243.00	83	13.66	243.00	84	13.79	243.00
85	13.92	243.00	86	14.05	243.00	87	14.18	243.00
88	14.31	243.00	89	14.44	243.00	90	14.57	243.00
91	14.70	243.00	92	14.83	243.00	93	14.96	242.00
94	15.09	241.00	95	15.22	241.00	96	15.35	241.00
97	15.48	241.00	98	15.61	242.00	99	15.74	243.00
100	15.87	243.00						

Detailed Terrain Data

Study: Madam Aerials Tower 82ft  
Site: Madam Aerials Tower site  
Radial 10 of 12, 270.0 degrees true

Latitude: N44-14-42.00  
Longitude: W88-30-16.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	274.00	2	3.13	274.00	3	3.26	274.00
4	3.39	273.00	5	3.52	272.00	6	3.65	270.00
7	3.78	269.00	8	3.91	267.00	9	4.04	266.00
10	4.17	265.00	11	4.30	263.00	12	4.43	261.00
13	4.56	260.00	14	4.69	259.00	15	4.82	259.00
16	4.95	259.00	17	5.08	258.00	18	5.21	258.00
19	5.34	255.00	20	5.47	249.00	21	5.60	245.00
22	5.73	243.00	23	5.86	242.00	24	5.99	242.00
25	6.12	241.00	26	6.25	241.00	27	6.38	240.00
28	6.51	240.00	29	6.64	239.00	30	6.77	239.00
31	6.90	238.00	32	7.03	238.00	33	7.16	237.00
34	7.29	237.00	35	7.42	236.00	36	7.55	236.00
37	7.68	235.00	38	7.81	235.00	39	7.94	234.00
40	8.07	234.00	41	8.20	233.00	42	8.33	233.00
43	8.46	232.00	44	8.59	231.00	45	8.72	230.00
46	8.85	229.00	47	8.98	228.00	48	9.11	228.00
49	9.24	228.00	50	9.37	228.00	51	9.50	229.00
52	9.63	230.00	53	9.76	231.00	54	9.89	232.00
55	10.02	233.00	56	10.15	234.00	57	10.28	234.00
58	10.41	235.00	59	10.54	236.00	60	10.67	236.00
61	10.80	237.00	62	10.93	238.00	63	11.06	239.00
64	11.19	243.00	65	11.32	243.00	66	11.45	243.00
67	11.58	243.00	68	11.71	243.00	69	11.84	243.00
70	11.97	243.00	71	12.10	242.00	72	12.23	240.00
73	12.36	239.00	74	12.49	237.00	75	12.62	235.00
76	12.75	234.00	77	12.88	233.00	78	13.01	231.00
79	13.14	230.00	80	13.27	228.00	81	13.40	228.00
82	13.53	228.00	83	13.66	228.00	84	13.79	228.00
85	13.92	228.00	86	14.05	228.00	87	14.18	228.00
88	14.31	228.00	89	14.44	228.00	90	14.57	228.00
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	228.00	98	15.61	229.00	99	15.74	231.00
100	15.87	233.00						

Detailed Terrain Data

Study: Madam Aerials Tower 82ft  
Site: Madam Aerials Tower site  
Radial 11 of 12, 300.0 degrees true

Latitude: N44-14-42.00  
Longitude: W88-30-16.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	273.00	2	3.13	269.00	3	3.26	266.00
4	3.39	259.00	5	3.52	258.00	6	3.65	258.00
7	3.78	259.00	8	3.91	259.00	9	4.04	258.00
10	4.17	257.00	11	4.30	256.00	12	4.43	254.00
13	4.56	252.00	14	4.69	252.00	15	4.82	250.00
16	4.95	249.00	17	5.08	248.00	18	5.21	246.00
19	5.34	244.00	20	5.47	243.00	21	5.60	243.00
22	5.73	243.00	23	5.86	243.00	24	5.99	243.00
25	6.12	239.00	26	6.25	236.00	27	6.38	236.00
28	6.51	237.00	29	6.64	237.00	30	6.77	235.00
31	6.90	236.00	32	7.03	235.00	33	7.16	233.00
34	7.29	233.00	35	7.42	233.00	36	7.55	231.00
37	7.68	230.00	38	7.81	233.00	39	7.94	243.00
40	8.07	246.00	41	8.20	254.00	42	8.33	259.00
43	8.46	259.00	44	8.59	257.00	45	8.72	257.00
46	8.85	257.00	47	8.98	257.00	48	9.11	259.00
49	9.24	260.00	50	9.37	260.00	51	9.50	261.00
52	9.63	262.00	53	9.76	262.00	54	9.89	263.00
55	10.02	261.00	56	10.15	262.00	57	10.28	274.00
58	10.41	274.00	59	10.54	274.00	60	10.67	273.00
61	10.80	273.00	62	10.93	274.00	63	11.06	274.00
64	11.19	273.00	65	11.32	267.00	66	11.45	258.00
67	11.58	258.00	68	11.71	257.00	69	11.84	256.00
70	11.97	257.00	71	12.10	259.00	72	12.23	259.00
73	12.36	259.00	74	12.49	258.00	75	12.62	252.00
76	12.75	247.00	77	12.88	245.00	78	13.01	243.00
79	13.14	244.00	80	13.27	243.00	81	13.40	243.00
82	13.53	243.00	83	13.66	243.00	84	13.79	244.00
85	13.92	244.00	86	14.05	244.00	87	14.18	243.00
88	14.31	243.00	89	14.44	243.00	90	14.57	245.00
91	14.70	245.00	92	14.83	247.00	93	14.96	249.00
94	15.09	252.00	95	15.22	255.00	96	15.35	259.00
97	15.48	259.00	98	15.61	259.00	99	15.74	259.00
100	15.87	262.00						

Detailed Terrain Data

Study: Madam Aerials Tower 82ft  
Site: Madam Aerials Tower site  
Radial 12 of 12, 330.0 degrees true

Latitude: N44-14-42.00  
Longitude: W88-30-16.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	267.00	2	3.13	268.00	3	3.26	269.00
4	3.39	269.00	5	3.52	270.00	6	3.65	270.00
7	3.78	271.00	8	3.91	271.00	9	4.04	271.00
10	4.17	269.00	11	4.30	267.00	12	4.43	266.00
13	4.56	264.00	14	4.69	262.00	15	4.82	261.00
16	4.95	260.00	17	5.08	259.00	18	5.21	259.00
19	5.34	259.00	20	5.47	259.00	21	5.60	259.00
22	5.73	259.00	23	5.86	258.00	24	5.99	258.00
25	6.12	257.00	26	6.25	250.00	27	6.38	245.00
28	6.51	243.00	29	6.64	243.00	30	6.77	243.00
31	6.90	243.00	32	7.03	243.00	33	7.16	243.00
34	7.29	244.00	35	7.42	245.00	36	7.55	247.00
37	7.68	250.00	38	7.81	252.00	39	7.94	254.00
40	8.07	256.00	41	8.20	257.00	42	8.33	258.00
43	8.46	258.00	44	8.59	259.00	45	8.72	266.00
46	8.85	269.00	47	8.98	272.00	48	9.11	272.00
49	9.24	272.00	50	9.37	271.00	51	9.50	271.00
52	9.63	270.00	53	9.76	270.00	54	9.89	270.00
55	10.02	271.00	56	10.15	271.00	57	10.28	271.00
58	10.41	272.00	59	10.54	273.00	60	10.67	274.00
61	10.80	274.00	62	10.93	274.00	63	11.06	274.00
64	11.19	274.00	65	11.32	274.00	66	11.45	274.00
67	11.58	274.00	68	11.71	274.00	69	11.84	274.00
70	11.97	274.00	71	12.10	274.00	72	12.23	274.00
73	12.36	274.00	74	12.49	274.00	75	12.62	269.00
76	12.75	261.00	77	12.88	256.00	78	13.01	251.00
79	13.14	251.00	80	13.27	245.00	81	13.40	243.00
82	13.53	243.00	83	13.66	243.00	84	13.79	243.00
85	13.92	243.00	86	14.05	243.00	87	14.18	243.00
88	14.31	243.00	89	14.44	240.00	90	14.57	236.00
91	14.70	232.00	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	228.00	98	15.61	228.00	99	15.74	228.00
100	15.87	228.00						