

Distance to FM Contour

Study: Merrill Xltr New Ch for W221AE
Site: Merrill Xltr Actual site

Latitude: N45-09-47.00
Longitude: W89-42-19.00

True Radial Bearing (Degrees)	Average Elevation (meters)	Radiation Center Height Above Average Terrain (meters)	Effective Radiated Power (KW)	(dBKW)	Distance to Contour 60.0 dBu F(50,50) (km)
0.00	413.07	21.53	0.17	-7.70	6.44
30.00	412.35	22.25	0.17	-7.70	6.44
60.00	418.59	16.01	0.17	-7.70	6.44
90.00	411.94	22.66	0.17	-7.70	6.44
120.00	411.73	22.87	0.17	-7.70	6.44
150.00	396.04	38.56	0.17	-7.70	7.23
180.00	423.03	11.57	0.17	-7.70	6.44
210.00	430.46	4.14	0.17	-7.70	6.44
240.00	429.52	5.08	0.17	-7.70	6.44
270.00	425.15	9.45	0.17	-7.70	6.44
300.00	404.80	29.80	0.17	-7.70	6.44
330.00	407.16	27.44	0.17	-7.70	6.44

Radiation Center (AGL): 20.0 meters 65.6 feet
Radiation Center (AMSL): 434.6 meters 1425.9 feet
Radiation Center (HAAT): 19.3 meters 63.3 feet
Average Terrain (AMSL): 415.3 meters 1362.6 feet
Ground AMSL: 414.6 meters 1360.2 feet

Peak ERP: 0.2 KW
Frequency: 98.7 MHz
Antenna: B2
Orientation: 28.00°
Downtilt: 0.00°

Area within 60.0 dBu F(50,50) Contour is 132.947 km

Detailed Terrain Data

Study: Merrill Xltr New Ch for W221AE
Site: Merrill Xltr Actual site
Radial 1 of 12, 0.0 degrees true

Latitude: N45-09-47.00
Longitude: W89-42-19.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	415.00	2	3.13	394.00	3	3.26	395.00
4	3.39	395.00	5	3.52	395.00	6	3.65	395.00
7	3.78	395.00	8	3.91	395.00	9	4.04	393.00
10	4.17	393.00	11	4.30	391.00	12	4.43	391.00
13	4.56	391.00	14	4.69	391.00	15	4.82	391.00
16	4.95	391.00	17	5.08	391.00	18	5.21	391.00
19	5.34	391.00	20	5.47	391.00	21	5.60	391.00
22	5.73	391.00	23	5.86	392.00	24	5.99	392.00
25	6.12	392.00	26	6.25	392.00	27	6.38	393.00
28	6.51	393.00	29	6.64	394.00	30	6.77	395.00
31	6.90	395.00	32	7.03	396.00	33	7.16	396.00
34	7.29	397.00	35	7.42	398.00	36	7.55	398.00
37	7.68	399.00	38	7.81	400.00	39	7.94	401.00
40	8.07	402.00	41	8.20	402.00	42	8.33	403.00
43	8.46	404.00	44	8.59	406.00	45	8.72	407.00
46	8.85	410.00	47	8.98	411.00	48	9.11	411.00
49	9.24	411.00	50	9.37	411.00	51	9.50	411.00
52	9.63	411.00	53	9.76	411.00	54	9.89	411.00
55	10.02	412.00	56	10.15	413.00	57	10.28	413.00
58	10.41	413.00	59	10.54	413.00	60	10.67	414.00
61	10.80	419.00	62	10.93	422.00	63	11.06	427.00
64	11.19	427.00	65	11.32	429.00	66	11.45	430.00
67	11.58	430.00	68	11.71	430.00	69	11.84	430.00
70	11.97	428.00	71	12.10	428.00	72	12.23	428.00
73	12.36	429.00	74	12.49	428.00	75	12.62	429.00
76	12.75	429.00	77	12.88	428.00	78	13.01	426.00
79	13.14	426.00	80	13.27	430.00	81	13.40	431.00
82	13.53	435.00	83	13.66	437.00	84	13.79	438.00
85	13.92	441.00	86	14.05	441.00	87	14.18	440.00
88	14.31	440.00	89	14.44	440.00	90	14.57	439.00
91	14.70	439.00	92	14.83	439.00	93	14.96	439.00
94	15.09	439.00	95	15.22	439.00	96	15.35	439.00
97	15.48	440.00	98	15.61	440.00	99	15.74	439.00
100	15.87	439.00						

Detailed Terrain Data

Study: Merrill Xltr New Ch for W221AE
Site: Merrill Xltr Actual site
Radial 2 of 12, 30.0 degrees true

Latitude: N45-09-47.00
Longitude: W89-42-19.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	388.00	2	3.13	388.00	3	3.26	387.00
4	3.39	387.00	5	3.52	387.00	6	3.65	387.00
7	3.78	386.00	8	3.91	386.00	9	4.04	386.00
10	4.17	386.00	11	4.30	388.00	12	4.43	389.00
13	4.56	389.00	14	4.69	389.00	15	4.82	390.00
16	4.95	391.00	17	5.08	391.00	18	5.21	392.00
19	5.34	393.00	20	5.47	395.00	21	5.60	395.00
22	5.73	396.00	23	5.86	396.00	24	5.99	396.00
25	6.12	399.00	26	6.25	400.00	27	6.38	402.00
28	6.51	405.00	29	6.64	408.00	30	6.77	410.00
31	6.90	408.00	32	7.03	406.00	33	7.16	400.00
34	7.29	396.00	35	7.42	396.00	36	7.55	396.00
37	7.68	396.00	38	7.81	411.00	39	7.94	411.00
40	8.07	410.00	41	8.20	409.00	42	8.33	399.00
43	8.46	397.00	44	8.59	396.00	45	8.72	396.00
46	8.85	396.00	47	8.98	396.00	48	9.11	396.00
49	9.24	397.00	50	9.37	397.00	51	9.50	398.00
52	9.63	402.00	53	9.76	405.00	54	9.89	406.00
55	10.02	407.00	56	10.15	408.00	57	10.28	408.00
58	10.41	409.00	59	10.54	409.00	60	10.67	410.00
61	10.80	411.00	62	10.93	411.00	63	11.06	411.00
64	11.19	411.00	65	11.32	411.00	66	11.45	411.00
67	11.58	411.00	68	11.71	411.00	69	11.84	411.00
70	11.97	411.00	71	12.10	411.00	72	12.23	411.00
73	12.36	411.00	74	12.49	411.00	75	12.62	411.00
76	12.75	411.00	77	12.88	418.00	78	13.01	421.00
79	13.14	425.00	80	13.27	429.00	81	13.40	431.00
82	13.53	438.00	83	13.66	443.00	84	13.79	447.00
85	13.92	452.00	86	14.05	457.00	87	14.18	456.00
88	14.31	457.00	89	14.44	455.00	90	14.57	456.00
91	14.70	456.00	92	14.83	457.00	93	14.96	457.00
94	15.09	457.00	95	15.22	457.00	96	15.35	459.00
97	15.48	464.00	98	15.61	466.00	99	15.74	471.00
100	15.87	477.00						

Detailed Terrain Data

Study: Merrill Xltr New Ch for W221AE
Site: Merrill Xltr Actual site
Radial 3 of 12, 60.0 degrees true

Latitude: N45-09-47.00
Longitude: W89-42-19.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	381.00	2	3.13	381.00	3	3.26	381.00
4	3.39	381.00	5	3.52	381.00	6	3.65	381.00
7	3.78	382.00	8	3.91	383.00	9	4.04	387.00
10	4.17	390.00	11	4.30	390.00	12	4.43	393.00
13	4.56	395.00	14	4.69	396.00	15	4.82	396.00
16	4.95	396.00	17	5.08	396.00	18	5.21	396.00
19	5.34	396.00	20	5.47	397.00	21	5.60	398.00
22	5.73	398.00	23	5.86	398.00	24	5.99	399.00
25	6.12	398.00	26	6.25	399.00	27	6.38	399.00
28	6.51	399.00	29	6.64	399.00	30	6.77	401.00
31	6.90	404.00	32	7.03	406.00	33	7.16	410.00
34	7.29	411.00	35	7.42	411.00	36	7.55	411.00
37	7.68	411.00	38	7.81	410.00	39	7.94	410.00
40	8.07	410.00	41	8.20	409.00	42	8.33	409.00
43	8.46	409.00	44	8.59	409.00	45	8.72	409.00
46	8.85	409.00	47	8.98	409.00	48	9.11	409.00
49	9.24	411.00	50	9.37	410.00	51	9.50	410.00
52	9.63	410.00	53	9.76	409.00	54	9.89	409.00
55	10.02	409.00	56	10.15	410.00	57	10.28	410.00
58	10.41	411.00	59	10.54	411.00	60	10.67	413.00
61	10.80	416.00	62	10.93	417.00	63	11.06	421.00
64	11.19	424.00	65	11.32	425.00	66	11.45	426.00
67	11.58	433.00	68	11.71	439.00	69	11.84	440.00
70	11.97	443.00	71	12.10	447.00	72	12.23	451.00
73	12.36	452.00	74	12.49	455.00	75	12.62	456.00
76	12.75	456.00	77	12.88	457.00	78	13.01	452.00
79	13.14	447.00	80	13.27	441.00	81	13.40	443.00
82	13.53	448.00	83	13.66	452.00	84	13.79	456.00
85	13.92	456.00	86	14.05	457.00	87	14.18	457.00
88	14.31	457.00	89	14.44	456.00	90	14.57	457.00
91	14.70	457.00	92	14.83	457.00	93	14.96	455.00
94	15.09	452.00	95	15.22	450.00	96	15.35	446.00
97	15.48	444.00	98	15.61	442.00	99	15.74	435.00
100	15.87	428.00						

Detailed Terrain Data

Study: Merrill Xltr New Ch for W221AE
Site: Merrill Xltr Actual site
Radial 4 of 12, 90.0 degrees true

Latitude: N45-09-47.00
Longitude: W89-42-19.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	390.00	2	3.13	388.00	3	3.26	387.00
4	3.39	385.00	5	3.52	383.00	6	3.65	382.00
7	3.78	381.00	8	3.91	381.00	9	4.04	381.00
10	4.17	381.00	11	4.30	382.00	12	4.43	386.00
13	4.56	390.00	14	4.69	394.00	15	4.82	396.00
16	4.95	395.00	17	5.08	396.00	18	5.21	388.00
19	5.34	384.00	20	5.47	391.00	21	5.60	396.00
22	5.73	398.00	23	5.86	400.00	24	5.99	403.00
25	6.12	405.00	26	6.25	409.00	27	6.38	411.00
28	6.51	404.00	29	6.64	401.00	30	6.77	398.00
31	6.90	395.00	32	7.03	394.00	33	7.16	394.00
34	7.29	393.00	35	7.42	392.00	36	7.55	392.00
37	7.68	392.00	38	7.81	393.00	39	7.94	393.00
40	8.07	393.00	41	8.20	393.00	42	8.33	394.00
43	8.46	395.00	44	8.59	395.00	45	8.72	396.00
46	8.85	395.00	47	8.98	395.00	48	9.11	396.00
49	9.24	395.00	50	9.37	395.00	51	9.50	395.00
52	9.63	400.00	53	9.76	407.00	54	9.89	411.00
55	10.02	411.00	56	10.15	411.00	57	10.28	411.00
58	10.41	411.00	59	10.54	411.00	60	10.67	416.00
61	10.80	423.00	62	10.93	426.00	63	11.06	426.00
64	11.19	430.00	65	11.32	441.00	66	11.45	441.00
67	11.58	441.00	68	11.71	426.00	69	11.84	421.00
70	11.97	426.00	71	12.10	436.00	72	12.23	441.00
73	12.36	441.00	74	12.49	441.00	75	12.62	441.00
76	12.75	441.00	77	12.88	441.00	78	13.01	450.00
79	13.14	455.00	80	13.27	456.00	81	13.40	456.00
82	13.53	456.00	83	13.66	452.00	84	13.79	447.00
85	13.92	441.00	86	14.05	439.00	87	14.18	439.00
88	14.31	438.00	89	14.44	437.00	90	14.57	435.00
91	14.70	433.00	92	14.83	432.00	93	14.96	430.00
94	15.09	429.00	95	15.22	426.00	96	15.35	426.00
97	15.48	426.00	98	15.61	426.00	99	15.74	426.00
100	15.87	426.00						

Detailed Terrain Data

Study: Merrill Xltr New Ch for W221AE
Site: Merrill Xltr Actual site
Radial 5 of 12, 120.0 degrees true

Latitude: N45-09-47.00
Longitude: W89-42-19.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	396.00	2	3.13	404.00	3	3.26	407.00
4	3.39	412.00	5	3.52	413.00	6	3.65	411.00
7	3.78	408.00	8	3.91	401.00	9	4.04	396.00
10	4.17	390.00	11	4.30	387.00	12	4.43	381.00
13	4.56	381.00	14	4.69	381.00	15	4.82	381.00
16	4.95	381.00	17	5.08	381.00	18	5.21	381.00
19	5.34	381.00	20	5.47	381.00	21	5.60	381.00
22	5.73	384.00	23	5.86	386.00	24	5.99	384.00
25	6.12	383.00	26	6.25	383.00	27	6.38	382.00
28	6.51	381.00	29	6.64	381.00	30	6.77	381.00
31	6.90	381.00	32	7.03	381.00	33	7.16	382.00
34	7.29	385.00	35	7.42	390.00	36	7.55	396.00
37	7.68	401.00	38	7.81	406.00	39	7.94	417.00
40	8.07	433.00	41	8.20	441.00	42	8.33	441.00
43	8.46	434.00	44	8.59	430.00	45	8.72	432.00
46	8.85	427.00	47	8.98	411.00	48	9.11	411.00
49	9.24	416.00	50	9.37	426.00	51	9.50	426.00
52	9.63	428.00	53	9.76	433.00	54	9.89	441.00
55	10.02	441.00	56	10.15	442.00	57	10.28	442.00
58	10.41	442.00	59	10.54	441.00	60	10.67	430.00
61	10.80	427.00	62	10.93	426.00	63	11.06	441.00
64	11.19	441.00	65	11.32	441.00	66	11.45	434.00
67	11.58	428.00	68	11.71	428.00	69	11.84	428.00
70	11.97	427.00	71	12.10	420.00	72	12.23	416.00
73	12.36	411.00	74	12.49	411.00	75	12.62	420.00
76	12.75	424.00	77	12.88	426.00	78	13.01	426.00
79	13.14	427.00	80	13.27	422.00	81	13.40	426.00
82	13.53	429.00	83	13.66	431.00	84	13.79	434.00
85	13.92	426.00	86	14.05	422.00	87	14.18	418.00
88	14.31	411.00	89	14.44	409.00	90	14.57	411.00
91	14.70	414.00	92	14.83	420.00	93	14.96	425.00
94	15.09	426.00	95	15.22	426.00	96	15.35	420.00
97	15.48	413.00	98	15.61	403.00	99	15.74	397.00
100	15.87	401.00						

Detailed Terrain Data

Study: Merrill Xltr New Ch for W221AE
Site: Merrill Xltr Actual site
Radial 6 of 12, 150.0 degrees true

Latitude: N45-09-47.00
Longitude: W89-42-19.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	416.00	2	3.13	417.00	3	3.26	418.00
4	3.39	423.00	5	3.52	425.00	6	3.65	427.00
7	3.78	427.00	8	3.91	428.00	9	4.04	427.00
10	4.17	420.00	11	4.30	411.00	12	4.43	404.00
13	4.56	396.00	14	4.69	395.00	15	4.82	396.00
16	4.95	395.00	17	5.08	396.00	18	5.21	395.00
19	5.34	391.00	20	5.47	389.00	21	5.60	388.00
22	5.73	384.00	23	5.86	384.00	24	5.99	382.00
25	6.12	381.00	26	6.25	381.00	27	6.38	381.00
28	6.51	381.00	29	6.64	381.00	30	6.77	381.00
31	6.90	381.00	32	7.03	381.00	33	7.16	381.00
34	7.29	383.00	35	7.42	392.00	36	7.55	395.00
37	7.68	396.00	38	7.81	396.00	39	7.94	396.00
40	8.07	391.00	41	8.20	385.00	42	8.33	384.00
43	8.46	385.00	44	8.59	385.00	45	8.72	385.00
46	8.85	385.00	47	8.98	383.00	48	9.11	381.00
49	9.24	381.00	50	9.37	381.00	51	9.50	381.00
52	9.63	381.00	53	9.76	381.00	54	9.89	381.00
55	10.02	381.00	56	10.15	381.00	57	10.28	381.00
58	10.41	381.00	59	10.54	381.00	60	10.67	381.00
61	10.80	381.00	62	10.93	381.00	63	11.06	381.00
64	11.19	381.00	65	11.32	381.00	66	11.45	381.00
67	11.58	381.00	68	11.71	381.00	69	11.84	381.00
70	11.97	381.00	71	12.10	381.00	72	12.23	381.00
73	12.36	381.00	74	12.49	381.00	75	12.62	381.00
76	12.75	381.00	77	12.88	381.00	78	13.01	381.00
79	13.14	381.00	80	13.27	388.00	81	13.40	391.00
82	13.53	394.00	83	13.66	400.00	84	13.79	403.00
85	13.92	405.00	86	14.05	409.00	87	14.18	411.00
88	14.31	410.00	89	14.44	415.00	90	14.57	418.00
91	14.70	431.00	92	14.83	436.00	93	14.96	438.00
94	15.09	437.00	95	15.22	439.00	96	15.35	441.00
97	15.48	441.00	98	15.61	441.00	99	15.74	436.00
100	15.87	424.00						

Detailed Terrain Data

Study: Merrill Xltr New Ch for W221AE
Site: Merrill Xltr Actual site
Radial 7 of 12, 180.0 degrees true

Latitude: N45-09-47.00
Longitude: W89-42-19.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	422.00	2	3.13	422.00	3	3.26	423.00
4	3.39	429.00	5	3.52	434.00	6	3.65	439.00
7	3.78	441.00	8	3.91	441.00	9	4.04	441.00
10	4.17	436.00	11	4.30	431.00	12	4.43	421.00
13	4.56	417.00	14	4.69	420.00	15	4.82	425.00
16	4.95	431.00	17	5.08	439.00	18	5.21	441.00
19	5.34	441.00	20	5.47	442.00	21	5.60	434.00
22	5.73	431.00	23	5.86	426.00	24	5.99	426.00
25	6.12	426.00	26	6.25	421.00	27	6.38	420.00
28	6.51	426.00	29	6.64	420.00	30	6.77	418.00
31	6.90	411.00	32	7.03	411.00	33	7.16	411.00
34	7.29	411.00	35	7.42	427.00	36	7.55	429.00
37	7.68	430.00	38	7.81	427.00	39	7.94	426.00
40	8.07	432.00	41	8.20	436.00	42	8.33	441.00
43	8.46	442.00	44	8.59	443.00	45	8.72	447.00
46	8.85	449.00	47	8.98	449.00	48	9.11	447.00
49	9.24	446.00	50	9.37	443.00	51	9.50	441.00
52	9.63	436.00	53	9.76	433.00	54	9.89	428.00
55	10.02	426.00	56	10.15	426.00	57	10.28	426.00
58	10.41	426.00	59	10.54	411.00	60	10.67	411.00
61	10.80	411.00	62	10.93	411.00	63	11.06	410.00
64	11.19	407.00	65	11.32	405.00	66	11.45	403.00
67	11.58	403.00	68	11.71	402.00	69	11.84	407.00
70	11.97	408.00	71	12.10	411.00	72	12.23	413.00
73	12.36	420.00	74	12.49	422.00	75	12.62	422.00
76	12.75	420.00	77	12.88	418.00	78	13.01	416.00
79	13.14	416.00	80	13.27	416.00	81	13.40	412.00
82	13.53	412.00	83	13.66	411.00	84	13.79	411.00
85	13.92	422.00	86	14.05	424.00	87	14.18	421.00
88	14.31	416.00	89	14.44	413.00	90	14.57	408.00
91	14.70	408.00	92	14.83	411.00	93	14.96	411.00
94	15.09	410.00	95	15.22	411.00	96	15.35	411.00
97	15.48	411.00	98	15.61	411.00	99	15.74	411.00
100	15.87	411.00						

Detailed Terrain Data

Study: Merrill Xltr New Ch for W221AE
Site: Merrill Xltr Actual site
Radial 8 of 12, 210.0 degrees true

Latitude: N45-09-47.00
Longitude: W89-42-19.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	441.00	2	3.13	441.00	3	3.26	441.00
4	3.39	441.00	5	3.52	442.00	6	3.65	442.00
7	3.78	442.00	8	3.91	441.00	9	4.04	441.00
10	4.17	441.00	11	4.30	441.00	12	4.43	441.00
13	4.56	441.00	14	4.69	441.00	15	4.82	441.00
16	4.95	442.00	17	5.08	444.00	18	5.21	446.00
19	5.34	449.00	20	5.47	453.00	21	5.60	457.00
22	5.73	457.00	23	5.86	457.00	24	5.99	455.00
25	6.12	454.00	26	6.25	455.00	27	6.38	457.00
28	6.51	458.00	29	6.64	458.00	30	6.77	458.00
31	6.90	457.00	32	7.03	458.00	33	7.16	459.00
34	7.29	460.00	35	7.42	462.00	36	7.55	462.00
37	7.68	463.00	38	7.81	462.00	39	7.94	461.00
40	8.07	460.00	41	8.20	460.00	42	8.33	459.00
43	8.46	458.00	44	8.59	458.00	45	8.72	457.00
46	8.85	457.00	47	8.98	457.00	48	9.11	457.00
49	9.24	457.00	50	9.37	457.00	51	9.50	449.00
52	9.63	441.00	53	9.76	438.00	54	9.89	435.00
55	10.02	432.00	56	10.15	430.00	57	10.28	426.00
58	10.41	426.00	59	10.54	426.00	60	10.67	426.00
61	10.80	426.00	62	10.93	424.00	63	11.06	423.00
64	11.19	422.00	65	11.32	425.00	66	11.45	424.00
67	11.58	420.00	68	11.71	420.00	69	11.84	424.00
70	11.97	426.00	71	12.10	426.00	72	12.23	423.00
73	12.36	417.00	74	12.49	411.00	75	12.62	408.00
76	12.75	402.00	77	12.88	397.00	78	13.01	392.00
79	13.14	387.00	80	13.27	382.00	81	13.40	381.00
82	13.53	381.00	83	13.66	381.00	84	13.79	381.00
85	13.92	380.00	86	14.05	380.00	87	14.18	380.00
88	14.31	385.00	89	14.44	393.00	90	14.57	399.00
91	14.70	411.00	92	14.83	411.00	93	14.96	410.00
94	15.09	408.00	95	15.22	405.00	96	15.35	397.00
97	15.48	395.00	98	15.61	393.00	99	15.74	387.00
100	15.87	381.00						

Detailed Terrain Data

Study: Merrill Xltr New Ch for W221AE
Site: Merrill Xltr Actual site
Radial 9 of 12, 240.0 degrees true

Latitude: N45-09-47.00
Longitude: W89-42-19.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	430.00	2	3.13	432.00	3	3.26	433.00
4	3.39	432.00	5	3.52	430.00	6	3.65	431.00
7	3.78	430.00	8	3.91	431.00	9	4.04	430.00
10	4.17	429.00	11	4.30	429.00	12	4.43	427.00
13	4.56	427.00	14	4.69	426.00	15	4.82	425.00
16	4.95	423.00	17	5.08	421.00	18	5.21	417.00
19	5.34	414.00	20	5.47	413.00	21	5.60	413.00
22	5.73	415.00	23	5.86	417.00	24	5.99	417.00
25	6.12	419.00	26	6.25	420.00	27	6.38	420.00
28	6.51	421.00	29	6.64	422.00	30	6.77	423.00
31	6.90	422.00	32	7.03	422.00	33	7.16	423.00
34	7.29	422.00	35	7.42	423.00	36	7.55	423.00
37	7.68	422.00	38	7.81	419.00	39	7.94	418.00
40	8.07	418.00	41	8.20	414.00	42	8.33	412.00
43	8.46	411.00	44	8.59	412.00	45	8.72	411.00
46	8.85	411.00	47	8.98	408.00	48	9.11	409.00
49	9.24	411.00	50	9.37	417.00	51	9.50	422.00
52	9.63	426.00	53	9.76	426.00	54	9.89	426.00
55	10.02	426.00	56	10.15	425.00	57	10.28	424.00
58	10.41	425.00	59	10.54	424.00	60	10.67	425.00
61	10.80	426.00	62	10.93	426.00	63	11.06	426.00
64	11.19	426.00	65	11.32	427.00	66	11.45	426.00
67	11.58	426.00	68	11.71	426.00	69	11.84	426.00
70	11.97	435.00	71	12.10	441.00	72	12.23	441.00
73	12.36	443.00	74	12.49	445.00	75	12.62	446.00
76	12.75	448.00	77	12.88	444.00	78	13.01	440.00
79	13.14	438.00	80	13.27	431.00	81	13.40	434.00
82	13.53	438.00	83	13.66	444.00	84	13.79	450.00
85	13.92	455.00	86	14.05	457.00	87	14.18	457.00
88	14.31	457.00	89	14.44	454.00	90	14.57	451.00
91	14.70	441.00	92	14.83	443.00	93	14.96	444.00
94	15.09	443.00	95	15.22	442.00	96	15.35	443.00
97	15.48	447.00	98	15.61	457.00	99	15.74	457.00
100	15.87	457.00						

Detailed Terrain Data

Study: Merrill Xltr New Ch for W221AE
Site: Merrill Xltr Actual site
Radial 10 of 12, 270.0 degrees true

Latitude: N45-09-47.00
Longitude: W89-42-19.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	388.00	2	3.13	388.00	3	3.26	390.00
4	3.39	392.00	5	3.52	394.00	6	3.65	396.00
7	3.78	400.00	8	3.91	405.00	9	4.04	411.00
10	4.17	412.00	11	4.30	415.00	12	4.43	421.00
13	4.56	427.00	14	4.69	429.00	15	4.82	430.00
16	4.95	434.00	17	5.08	434.00	18	5.21	435.00
19	5.34	441.00	20	5.47	441.00	21	5.60	442.00
22	5.73	446.00	23	5.86	447.00	24	5.99	444.00
25	6.12	442.00	26	6.25	441.00	27	6.38	437.00
28	6.51	433.00	29	6.64	430.00	30	6.77	426.00
31	6.90	426.00	32	7.03	422.00	33	7.16	418.00
34	7.29	412.00	35	7.42	411.00	36	7.55	411.00
37	7.68	416.00	38	7.81	419.00	39	7.94	423.00
40	8.07	426.00	41	8.20	426.00	42	8.33	426.00
43	8.46	426.00	44	8.59	426.00	45	8.72	425.00
46	8.85	425.00	47	8.98	425.00	48	9.11	425.00
49	9.24	425.00	50	9.37	426.00	51	9.50	426.00
52	9.63	426.00	53	9.76	426.00	54	9.89	426.00
55	10.02	426.00	56	10.15	426.00	57	10.28	427.00
58	10.41	427.00	59	10.54	426.00	60	10.67	427.00
61	10.80	428.00	62	10.93	428.00	63	11.06	425.00
64	11.19	424.00	65	11.32	424.00	66	11.45	426.00
67	11.58	427.00	68	11.71	429.00	69	11.84	431.00
70	11.97	433.00	71	12.10	435.00	72	12.23	437.00
73	12.36	439.00	74	12.49	441.00	75	12.62	442.00
76	12.75	441.00	77	12.88	441.00	78	13.01	441.00
79	13.14	439.00	80	13.27	437.00	81	13.40	433.00
82	13.53	430.00	83	13.66	427.00	84	13.79	427.00
85	13.92	426.00	86	14.05	426.00	87	14.18	426.00
88	14.31	425.00	89	14.44	425.00	90	14.57	424.00
91	14.70	424.00	92	14.83	424.00	93	14.96	423.00
94	15.09	423.00	95	15.22	422.00	96	15.35	419.00
97	15.48	415.00	98	15.61	417.00	99	15.74	418.00
100	15.87	420.00						

Detailed Terrain Data

Study: Merrill Xltr New Ch for W221AE
Site: Merrill Xltr Actual site
Radial 11 of 12, 300.0 degrees true

Latitude: N45-09-47.00
Longitude: W89-42-19.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	385.00	2	3.13	383.00	3	3.26	381.00
4	3.39	381.00	5	3.52	381.00	6	3.65	381.00
7	3.78	381.00	8	3.91	381.00	9	4.04	381.00
10	4.17	381.00	11	4.30	382.00	12	4.43	382.00
13	4.56	383.00	14	4.69	383.00	15	4.82	387.00
16	4.95	390.00	17	5.08	392.00	18	5.21	396.00
19	5.34	396.00	20	5.47	396.00	21	5.60	396.00
22	5.73	396.00	23	5.86	396.00	24	5.99	396.00
25	6.12	396.00	26	6.25	400.00	27	6.38	408.00
28	6.51	413.00	29	6.64	416.00	30	6.77	421.00
31	6.90	426.00	32	7.03	426.00	33	7.16	426.00
34	7.29	422.00	35	7.42	417.00	36	7.55	411.00
37	7.68	410.00	38	7.81	409.00	39	7.94	409.00
40	8.07	408.00	41	8.20	407.00	42	8.33	407.00
43	8.46	409.00	44	8.59	411.00	45	8.72	411.00
46	8.85	410.00	47	8.98	404.00	48	9.11	397.00
49	9.24	397.00	50	9.37	398.00	51	9.50	398.00
52	9.63	399.00	53	9.76	400.00	54	9.89	401.00
55	10.02	402.00	56	10.15	402.00	57	10.28	404.00
58	10.41	405.00	59	10.54	405.00	60	10.67	406.00
61	10.80	407.00	62	10.93	407.00	63	11.06	408.00
64	11.19	408.00	65	11.32	408.00	66	11.45	408.00
67	11.58	408.00	68	11.71	408.00	69	11.84	408.00
70	11.97	408.00	71	12.10	408.00	72	12.23	409.00
73	12.36	408.00	74	12.49	408.00	75	12.62	408.00
76	12.75	408.00	77	12.88	407.00	78	13.01	408.00
79	13.14	408.00	80	13.27	408.00	81	13.40	408.00
82	13.53	408.00	83	13.66	409.00	84	13.79	409.00
85	13.92	410.00	86	14.05	410.00	87	14.18	410.00
88	14.31	411.00	89	14.44	417.00	90	14.57	426.00
91	14.70	426.00	92	14.83	426.00	93	14.96	426.00
94	15.09	419.00	95	15.22	420.00	96	15.35	420.00
97	15.48	420.00	98	15.61	421.00	99	15.74	423.00
100	15.87	425.00						

Detailed Terrain Data

Study: Merrill Xltr New Ch for W221AE
Site: Merrill Xltr Actual site
Radial 12 of 12, 330.0 degrees true

Latitude: N45-09-47.00
Longitude: W89-42-19.00

Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)	Point Number	Dist (km)	Elev (m)
1	3.00	381.00	2	3.13	381.00	3	3.26	396.00
4	3.39	398.00	5	3.52	405.00	6	3.65	403.00
7	3.78	402.00	8	3.91	398.00	9	4.04	396.00
10	4.17	395.00	11	4.30	392.00	12	4.43	391.00
13	4.56	391.00	14	4.69	390.00	15	4.82	390.00
16	4.95	391.00	17	5.08	391.00	18	5.21	392.00
19	5.34	392.00	20	5.47	393.00	21	5.60	394.00
22	5.73	394.00	23	5.86	394.00	24	5.99	393.00
25	6.12	393.00	26	6.25	393.00	27	6.38	392.00
28	6.51	392.00	29	6.64	392.00	30	6.77	391.00
31	6.90	390.00	32	7.03	389.00	33	7.16	390.00
34	7.29	391.00	35	7.42	392.00	36	7.55	393.00
37	7.68	394.00	38	7.81	399.00	39	7.94	403.00
40	8.07	408.00	41	8.20	411.00	42	8.33	411.00
43	8.46	411.00	44	8.59	411.00	45	8.72	411.00
46	8.85	411.00	47	8.98	412.00	48	9.11	413.00
49	9.24	413.00	50	9.37	414.00	51	9.50	416.00
52	9.63	417.00	53	9.76	418.00	54	9.89	420.00
55	10.02	422.00	56	10.15	423.00	57	10.28	423.00
58	10.41	424.00	59	10.54	426.00	60	10.67	426.00
61	10.80	426.00	62	10.93	426.00	63	11.06	426.00
64	11.19	432.00	65	11.32	435.00	66	11.45	438.00
67	11.58	441.00	68	11.71	437.00	69	11.84	432.00
70	11.97	428.00	71	12.10	425.00	72	12.23	423.00
73	12.36	420.00	74	12.49	418.00	75	12.62	415.00
76	12.75	411.00	77	12.88	404.00	78	13.01	398.00
79	13.14	396.00	80	13.27	396.00	81	13.40	395.00
82	13.53	394.00	83	13.66	392.00	84	13.79	391.00
85	13.92	393.00	86	14.05	394.00	87	14.18	396.00
88	14.31	400.00	89	14.44	405.00	90	14.57	405.00
91	14.70	407.00	92	14.83	409.00	93	14.96	411.00
94	15.09	418.00	95	15.22	427.00	96	15.35	430.00
97	15.48	433.00	98	15.61	436.00	99	15.74	437.00
100	15.87	438.00						