

# Distances to Nighttime Groundwave Contours

KEARNS, UT

3 Twrs 0.484 kW

Call: KTKKd Proposed Nighttime Facilities

Coordinates: 40 51 6.1 -111 -58 -24.4

Frequency: 630 kHz Number of contours: 3

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :		
		Contour levels in mV/m.		
		9.999	9.204	5.000
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.0	233.00	19.85	21.33	35.29
5.0	231.05	19.71	21.17	34.28
10.0	224.93	19.26	20.69	30.75
15.0	214.77	18.49	19.88	28.22
20.0	200.82	17.43	18.75	26.08
25.0	183.39	16.09	17.12	24.03
30.0	162.94	14.47	15.44	21.93
35.0	140.06	12.62	13.60	19.70
40.0	115.46	10.57	11.41	17.26
45.0	90.05	8.39	9.06	14.60
50.0	64.91	6.15	6.66	11.73
55.0	41.57	4.01	4.34	7.78
60.0	23.15	2.26	2.46	4.45
65.0	18.58	1.82	1.98	3.59
70.0	27.35	2.67	2.89	5.22
75.0	36.18	3.50	3.80	6.82
80.0	40.85	3.94	4.27	7.65
85.0	40.49	3.91	4.23	7.59
90.0	35.68	3.46	3.75	6.73
95.0	29.56	2.88	3.12	5.63
100.0	31.07	3.02	3.27	5.90
105.0	46.95	4.51	4.88	8.72
110.0	72.52	6.84	7.39	12.81
115.0	103.40	9.54	10.30	16.21
120.0	137.29	12.39	13.36	19.55
125.0	172.62	15.24	16.08	22.78
130.0	208.12	17.71	18.54	25.91
135.0	242.70	20.20	21.10	29.04
140.0	275.43	22.92	24.19	32.60
145.0	305.57	25.02	26.82	37.04
150.0	332.52	26.85	28.75	43.89
155.0	355.83	28.40	30.39	48.69
160.0	375.21	29.66	31.72	50.60
165.0	390.43	30.63	32.75	52.08
170.0	401.37	31.33	33.48	53.12
175.0	407.98	31.74	33.92	53.74

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Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :		
		Contour levels in mV/m.		
		9.999	9.204	5.000
180.0	410.21	31.88	34.07	53.95
185.0	408.07	31.75	33.93	53.75
190.0	401.58	31.34	33.49	53.14
195.0	390.80	30.66	32.77	52.11
200.0	375.81	29.70	31.76	50.66
205.0	356.76	28.46	30.45	48.79
210.0	333.90	26.95	28.85	46.46
215.0	307.57	25.16	26.96	43.70
220.0	278.26	23.12	24.80	40.51
225.0	246.63	20.86	22.39	36.90
230.0	213.52	18.40	19.78	32.92
235.0	180.01	15.82	17.03	28.67
240.0	147.40	13.22	14.25	24.28
245.0	117.33	10.73	11.58	19.97
250.0	91.82	8.54	9.23	16.10
255.0	73.21	6.90	7.46	13.14
260.0	63.17	5.99	6.49	11.48
265.0	60.47	5.75	6.22	11.03
270.0	60.99	5.80	6.27	11.12
275.0	60.64	5.77	6.24	11.06
280.0	57.04	5.44	5.89	10.45
285.0	49.25	4.72	5.11	9.12
290.0	37.58	3.63	3.94	7.07
295.0	24.43	2.39	2.59	4.69
300.0	20.86	2.04	2.22	4.02
305.0	36.70	3.55	3.85	6.92
310.0	60.25	5.73	6.20	10.99
315.0	86.00	8.03	8.68	15.19
320.0	112.07	10.28	11.10	19.20
325.0	137.28	12.39	13.36	22.86
330.0	160.71	14.29	15.40	26.10
335.0	181.63	15.95	17.17	28.88
340.0	199.49	17.33	18.64	31.17
345.0	213.82	18.42	19.80	32.96
350.0	224.31	19.21	20.64	34.25
355.0	230.74	19.69	21.15	35.02

# Distances to Nighttime Groundwave Contours

LOGAN, UT

2 Twrs 1.0800 kW

Call: KVNU

Coordinates: 41 40 30.0 -111 -56 -6.0

Frequency: 610 kHz Number of contours: 1

Azimuth	Radiation (mV/m at one km)	Distances to Contours Contour levels in mV/m. 5.000 mV/m	Azimuth	Radiation (mV/m at one km)	Distances to Contour 5.000 mV/m
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.0	246.19	32.09 km	180.0	455.50	44.22 km
5.0	305.78	37.37	185.0	482.27	18.65
10.0	361.54	41.85	190.0	499.36	18.88
15.0	410.77	45.51	195.0	505.34	18.97
20.0	451.23	48.33	200.0	499.34	18.88
25.0	481.14	50.33	205.0	481.14	18.64
30.0	499.34	51.51	210.0	451.23	56.10
35.0	505.34	51.89	215.0	410.77	52.10
40.0	499.36	51.51	220.0	361.54	46.94
45.0	482.27	50.40	225.0	305.78	40.69
50.0	455.50	48.62	230.0	246.19	33.41
55.0	420.93	46.23	235.0	185.95	26.10
60.0	380.69	43.30	240.0	129.47	19.70
65.0	337.04	39.93	245.0	85.69	14.02
70.0	292.21	36.21	250.0	74.22	12.40
75.0	248.28	32.28	255.0	98.90	15.81
80.0	207.13	28.29	260.0	135.46	20.42
85.0	170.39	24.42	265.0	171.39	24.53
90.0	139.43	20.90	270.0	202.97	27.87
95.0	115.24	17.93	275.0	229.01	30.46
100.0	98.17	15.72	280.0	249.19	32.37
105.0	87.71	14.30	285.0	263.50	33.68
110.0	82.44	13.57	290.0	272.02	34.45
115.0	80.90	13.35	295.0	274.85	34.70
120.0	82.44	13.57	300.0	272.02	34.45
125.0	87.71	14.30	305.0	263.50	33.68
130.0	98.17	15.72	310.0	249.19	32.37
135.0	115.24	17.93	315.0	229.01	30.46
140.0	139.43	20.90	320.0	202.97	27.87
145.0	170.39	24.42	325.0	171.39	24.53
150.0	207.13	28.29	330.0	135.46	20.42
155.0	248.28	32.28	335.0	98.90	15.81
160.0	292.21	36.12	340.0	74.22	12.40
165.0	337.04	38.45	345.0	85.69	14.02
170.0	380.69	40.62	350.0	129.47	19.70
175.0	420.93	42.57	355.0	185.95	26.10