

AM Radiation Report

Call: KJPG
 Freq: 1050 kHz
 FRAZIER PARK, CA, US
 Lat: 35-01-28 N
 Lng: 118-55-05 W
 Power: 0.055 kW
 Theo RMS: 67.75 mV/m @ 1km

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swrch	TL Swrch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	92.2	0	0	0.0	0.0	0.0	0.0
2	0.690	19.4	189.7	281.0	92.2	0	0	0.0	0.0	0.0	0.0
3	0.440	-78.7	157.4	318.5	92.2	0	0	0.0	0.0	0.0	0.0

Standard Horizontal Plane Pattern

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	126.66	120.0	7.45	240.0	42.82
5.0	133.11	125.0	8.00	245.0	45.98
10.0	137.53	130.0	11.42	250.0	48.93
15.0	139.72	135.0	17.29	255.0	51.14
20.0	139.55	140.0	24.73	260.0	52.34
25.0	137.04	145.0	33.14	265.0	52.43
30.0	132.28	150.0	42.05	270.0	51.45
35.0	125.47	155.0	51.01	275.0	49.52
40.0	116.88	160.0	59.57	280.0	46.81
45.0	106.84	165.0	67.30	285.0	43.58
50.0	95.72	170.0	73.78	290.0	40.18
55.0	83.89	175.0	78.63	295.0	37.06
60.0	71.74	180.0	81.59	300.0	34.88
65.0	59.63	185.0	82.45	305.0	34.39
70.0	47.92	190.0	81.18	310.0	36.25
75.0	36.93	195.0	77.86	315.0	40.67
80.0	26.99	200.0	72.76	320.0	47.38
85.0	18.44	205.0	66.28	325.0	55.91
90.0	11.72	210.0	59.02	330.0	65.74
95.0	7.70	215.0	51.76	335.0	76.40
100.0	7.03	220.0	45.46	340.0	87.45
105.0	7.95	225.0	41.11	345.0	98.44
110.0	8.50	230.0	39.42	350.0	108.93
115.0	8.17	235.0	40.27	355.0	118.47

Standard Pattern
Calculated at 5.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	126.04	120.0	6.85	240.0	42.59
5.0	132.41	125.0	7.76	245.0	45.65
10.0	136.78	130.0	11.49	250.0	48.51
15.0	138.93	135.0	17.46	255.0	50.67
20.0	138.77	140.0	24.89	260.0	51.84
25.0	136.28	145.0	33.24	265.0	51.93
30.0	131.58	150.0	42.05	270.0	50.97
35.0	124.86	155.0	50.91	275.0	49.07
40.0	116.37	160.0	59.37	280.0	46.42
45.0	106.45	165.0	67.00	285.0	43.28
50.0	95.45	170.0	73.39	290.0	39.97
55.0	83.76	175.0	78.18	295.0	36.98
60.0	71.74	180.0	81.10	300.0	34.92
65.0	59.76	185.0	81.96	305.0	34.56
70.0	48.17	190.0	80.71	310.0	36.51
75.0	37.30	195.0	77.44	315.0	40.96
80.0	27.44	200.0	72.41	320.0	47.64
85.0	18.92	205.0	66.04	325.0	56.10
90.0	12.15	210.0	58.89	330.0	65.83
95.0	7.84	215.0	51.74	335.0	76.38
100.0	6.67	220.0	45.51	340.0	87.31
105.0	7.30	225.0	41.19	345.0	98.17
110.0	7.76	230.0	39.44	350.0	108.53
115.0	7.43	235.0	40.18	355.0	117.96

Standard Pattern
Calculated at 10.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	124.21	120.0	5.33	240.0	41.98
5.0	130.34	125.0	7.39	245.0	44.70
10.0	134.54	130.0	11.86	250.0	47.31
15.0	136.61	135.0	18.04	255.0	49.30
20.0	136.45	140.0	25.39	260.0	50.38
25.0	134.05	145.0	33.53	265.0	50.47
30.0	129.51	150.0	42.08	270.0	49.57
35.0	123.03	155.0	50.63	275.0	47.79
40.0	114.84	160.0	58.78	280.0	45.33
45.0	105.27	165.0	66.12	285.0	42.42
50.0	94.65	170.0	72.26	290.0	39.41
55.0	83.34	175.0	76.86	295.0	36.76
60.0	71.72	180.0	79.66	300.0	35.10
65.0	60.13	185.0	80.49	305.0	35.09
70.0	48.90	190.0	79.30	310.0	37.28
75.0	38.34	195.0	76.20	315.0	41.79
80.0	28.74	200.0	71.40	320.0	48.39
85.0	20.36	205.0	65.32	325.0	56.64
90.0	13.51	210.0	58.50	330.0	66.08
95.0	8.58	215.0	51.66	335.0	76.29
100.0	6.07	220.0	45.66	340.0	86.86
105.0	5.62	225.0	41.40	345.0	97.34
110.0	5.65	230.0	39.51	350.0	107.34
115.0	5.32	235.0	39.93	355.0	116.42

Standard Pattern
Calculated at 15.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	121.18	120.0	4.33	240.0	41.10
5.0	126.93	125.0	7.93	245.0	43.30
10.0	130.86	130.0	12.97	250.0	45.50
15.0	132.80	135.0	19.18	255.0	47.22
20.0	132.64	140.0	26.30	260.0	48.17
25.0	130.38	145.0	34.05	265.0	48.25
30.0	126.11	150.0	42.13	270.0	47.44
35.0	120.01	155.0	50.17	275.0	45.87
40.0	112.30	160.0	57.82	280.0	43.69
45.0	103.28	165.0	64.69	285.0	41.17
50.0	93.27	170.0	70.43	290.0	38.64
55.0	82.60	175.0	74.73	295.0	36.55
60.0	71.61	180.0	77.35	300.0	35.48
65.0	60.64	185.0	78.14	305.0	35.99
70.0	49.99	190.0	77.05	310.0	38.50
75.0	39.95	195.0	74.19	315.0	43.08
80.0	30.78	200.0	69.76	320.0	49.51
85.0	22.69	205.0	64.15	325.0	57.41
90.0	15.89	210.0	57.84	330.0	66.40
95.0	10.52	215.0	51.49	335.0	76.07
100.0	6.71	220.0	45.87	340.0	86.04
105.0	4.36	225.0	41.73	345.0	95.93
110.0	3.06	230.0	39.64	350.0	105.33
115.0	2.69	235.0	39.61	355.0	113.87

Standard Pattern
Calculated at 20.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	117.00	120.0	6.47	240.0	40.15
5.0	122.25	125.0	10.22	245.0	41.70
10.0	125.84	130.0	15.13	250.0	43.38
15.0	127.60	135.0	21.01	255.0	44.74
20.0	127.44	140.0	27.64	260.0	45.51
25.0	125.37	145.0	34.80	265.0	45.56
30.0	121.46	150.0	42.21	270.0	44.88
35.0	115.85	155.0	49.57	275.0	43.58
40.0	108.78	160.0	56.54	280.0	41.80
45.0	100.49	165.0	62.78	285.0	39.79
50.0	91.27	170.0	68.00	290.0	37.89
55.0	81.44	175.0	71.90	295.0	36.52
60.0	71.30	180.0	74.28	300.0	36.15
65.0	61.15	185.0	75.01	305.0	37.24
70.0	51.28	190.0	74.06	310.0	40.08
75.0	41.95	195.0	71.51	315.0	44.67
80.0	33.37	200.0	67.56	320.0	50.83
85.0	25.74	205.0	62.55	325.0	58.26
90.0	19.19	210.0	56.90	330.0	66.62
95.0	13.81	215.0	51.19	335.0	75.58
100.0	9.61	220.0	46.06	340.0	84.77
105.0	6.49	225.0	42.13	345.0	93.87
110.0	4.50	230.0	39.86	350.0	102.50
115.0	4.34	235.0	39.33	355.0	110.32

Standard Pattern
Calculated at 25.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	111.74	120.0	10.87	240.0	39.31
5.0	116.41	125.0	13.97	245.0	40.17
10.0	119.59	130.0	18.25	250.0	41.26
15.0	121.14	135.0	23.46	255.0	42.21
20.0	120.99	140.0	29.36	260.0	42.75
25.0	119.13	145.0	35.73	265.0	42.77
30.0	115.63	150.0	42.31	270.0	42.25
35.0	110.63	155.0	48.82	275.0	41.26
40.0	104.30	160.0	54.97	280.0	39.96
45.0	96.88	165.0	60.48	285.0	38.57
50.0	88.61	170.0	65.07	290.0	37.39
55.0	79.78	175.0	68.50	295.0	36.79
60.0	70.65	180.0	70.61	300.0	37.14
65.0	61.49	185.0	71.27	305.0	38.77
70.0	52.56	190.0	70.47	310.0	41.84
75.0	44.08	195.0	68.28	315.0	46.36
80.0	36.25	200.0	64.88	320.0	52.15
85.0	29.23	205.0	60.55	325.0	58.98
90.0	23.15	210.0	55.67	330.0	66.59
95.0	18.08	215.0	50.70	335.0	74.68
100.0	14.05	220.0	46.14	340.0	82.95
105.0	11.12	225.0	42.51	345.0	91.10
110.0	9.43	230.0	40.15	350.0	98.82
115.0	9.29	235.0	39.16	355.0	105.79

Standard Pattern
Calculated at 30.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	105.48	120.0	16.00	240.0	38.71
5.0	109.51	125.0	18.42	245.0	38.93
10.0	112.25	130.0	21.93	250.0	39.45
15.0	113.57	135.0	26.30	255.0	39.97
20.0	113.43	140.0	31.31	260.0	40.28
25.0	111.81	145.0	36.74	265.0	40.26
30.0	108.77	150.0	42.36	270.0	39.91
35.0	104.42	155.0	47.91	275.0	39.27
40.0	98.92	160.0	53.16	280.0	38.47
45.0	92.45	165.0	57.85	285.0	37.73
50.0	85.24	170.0	61.75	290.0	37.27
55.0	77.51	175.0	64.68	295.0	37.40
60.0	69.51	180.0	66.48	300.0	38.37
65.0	61.46	185.0	67.06	305.0	40.40
70.0	53.59	190.0	66.42	310.0	43.58
75.0	46.08	195.0	64.61	315.0	47.89
80.0	39.12	200.0	61.80	320.0	53.20
85.0	32.84	205.0	58.20	325.0	59.34
90.0	27.37	210.0	54.12	330.0	66.10
95.0	22.78	215.0	49.94	335.0	73.22
100.0	19.14	220.0	46.03	340.0	80.47
105.0	16.52	225.0	42.77	345.0	87.58
110.0	15.05	230.0	40.44	350.0	94.29
115.0	14.85	235.0	39.12	355.0	100.34

Standard Pattern
Calculated at 35.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	98.32	120.0	21.14	240.0	38.35
5.0	101.69	125.0	22.97	245.0	38.08
10.0	103.98	130.0	25.70	250.0	38.12
15.0	105.08	135.0	29.19	255.0	38.26
20.0	104.95	140.0	33.25	260.0	38.37
25.0	103.57	145.0	37.67	265.0	38.33
30.0	101.01	150.0	42.26	270.0	38.14
35.0	97.34	155.0	46.81	275.0	37.83
40.0	92.69	160.0	51.11	280.0	37.52
45.0	87.22	165.0	54.95	285.0	37.36
50.0	81.11	170.0	58.15	290.0	37.53
55.0	74.55	175.0	60.55	295.0	38.23
60.0	67.73	180.0	62.04	300.0	39.64
65.0	60.86	185.0	62.54	305.0	41.89
70.0	54.11	190.0	62.05	310.0	45.02
75.0	47.66	195.0	60.62	315.0	49.00
80.0	41.64	200.0	58.38	320.0	53.75
85.0	36.19	205.0	55.51	325.0	59.12
90.0	31.42	210.0	52.23	330.0	64.96
95.0	27.40	215.0	48.83	335.0	71.06
100.0	24.21	220.0	45.59	340.0	77.24
105.0	21.92	225.0	42.78	345.0	83.26
110.0	20.61	230.0	40.60	350.0	88.92
115.0	20.34	235.0	39.14	355.0	94.01

Standard Pattern
Calculated at 40.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	90.39	120.0	25.78	240.0	38.09
5.0	93.12	125.0	27.09	245.0	37.53
10.0	94.96	130.0	29.12	250.0	37.25
15.0	95.84	135.0	31.77	255.0	37.13
20.0	95.72	140.0	34.89	260.0	37.08
25.0	94.59	145.0	38.32	265.0	37.04
30.0	92.50	150.0	41.90	270.0	37.00
35.0	89.50	155.0	45.46	275.0	36.98
40.0	85.70	160.0	48.82	280.0	37.06
45.0	81.22	165.0	51.83	285.0	37.35
50.0	76.21	170.0	54.34	290.0	37.97
55.0	70.82	175.0	56.23	295.0	39.05
60.0	65.20	180.0	57.41	300.0	40.69
65.0	59.51	185.0	57.82	305.0	42.96
70.0	53.91	190.0	57.47	310.0	45.89
75.0	48.53	195.0	56.40	315.0	49.44
80.0	43.49	200.0	54.69	320.0	53.55
85.0	38.91	205.0	52.49	325.0	58.12
90.0	34.88	210.0	49.96	330.0	63.01
95.0	31.47	215.0	47.31	335.0	68.09
100.0	28.75	220.0	44.73	340.0	73.18
105.0	26.78	225.0	42.41	345.0	78.13
110.0	25.61	230.0	40.50	350.0	82.75
115.0	25.28	235.0	39.06	355.0	86.89

Standard Pattern
Calculated at 45.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	81.83	120.0	29.51	240.0	37.71
5.0	83.95	125.0	30.38	245.0	37.05
10.0	85.38	130.0	31.80	250.0	36.62
15.0	86.05	135.0	33.70	255.0	36.37
20.0	85.95	140.0	35.96	260.0	36.26
25.0	85.06	145.0	38.48	265.0	36.24
30.0	83.41	150.0	41.12	270.0	36.31
35.0	81.05	155.0	43.75	275.0	36.50
40.0	78.05	160.0	46.25	280.0	36.84
45.0	74.52	165.0	48.49	285.0	37.42
50.0	70.55	170.0	50.36	290.0	38.29
55.0	66.28	175.0	51.78	295.0	39.53
60.0	61.81	180.0	52.67	300.0	41.21
65.0	57.27	185.0	53.00	305.0	43.34
70.0	52.78	190.0	52.76	310.0	45.95
75.0	48.45	195.0	51.99	315.0	48.99
80.0	44.38	200.0	50.76	320.0	52.43
85.0	40.66	205.0	49.15	325.0	56.18
90.0	37.37	210.0	47.29	330.0	60.14
95.0	34.58	215.0	45.31	335.0	64.21
100.0	32.33	220.0	43.35	340.0	68.27
105.0	30.67	225.0	41.53	345.0	72.19
110.0	29.64	230.0	39.95	350.0	75.84
115.0	29.26	235.0	38.67	355.0	79.09

Standard Pattern
Calculated at 50.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	72.77	120.0	32.00	240.0	36.95
5.0	74.35	125.0	32.51	245.0	36.33
10.0	75.42	130.0	33.42	250.0	35.90
15.0	75.91	135.0	34.68	255.0	35.64
20.0	75.82	140.0	36.21	260.0	35.52
25.0	75.15	145.0	37.94	265.0	35.54
30.0	73.90	150.0	39.76	270.0	35.70
35.0	72.12	155.0	41.59	275.0	36.00
40.0	69.85	160.0	43.34	280.0	36.49
45.0	67.18	165.0	44.90	285.0	37.18
50.0	64.17	170.0	46.22	290.0	38.13
55.0	60.92	175.0	47.21	295.0	39.36
60.0	57.51	180.0	47.85	300.0	40.91
65.0	54.04	185.0	48.09	305.0	42.79
70.0	50.59	190.0	47.94	310.0	44.98
75.0	47.25	195.0	47.42	315.0	47.48
80.0	44.09	200.0	46.58	320.0	50.24
85.0	41.19	205.0	45.46	325.0	53.19
90.0	38.61	210.0	44.16	330.0	56.28
95.0	36.40	215.0	42.76	335.0	59.43
100.0	34.60	220.0	41.35	340.0	62.53
105.0	33.24	225.0	40.01	345.0	65.51
110.0	32.36	230.0	38.80	350.0	68.27
115.0	31.94	235.0	37.77	355.0	70.72

Standard Pattern
Calculated at 55.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	63.38	120.0	33.02	240.0	35.54
5.0	64.50	125.0	33.25	245.0	35.05
10.0	65.25	130.0	33.76	250.0	34.71
15.0	65.60	135.0	34.51	255.0	34.51
20.0	65.53	140.0	35.46	260.0	34.44
25.0	65.04	145.0	36.54	265.0	34.51
30.0	64.14	150.0	37.70	270.0	34.71
35.0	62.86	155.0	38.87	275.0	35.06
40.0	61.24	160.0	40.00	280.0	35.57
45.0	59.31	165.0	41.01	285.0	36.27
50.0	57.14	170.0	41.86	290.0	37.15
55.0	54.79	175.0	42.51	295.0	38.25
60.0	52.31	180.0	42.93	300.0	39.57
65.0	49.78	185.0	43.10	305.0	41.11
70.0	47.26	190.0	43.01	310.0	42.86
75.0	44.80	195.0	42.68	315.0	44.81
80.0	42.47	200.0	42.13	320.0	46.91
85.0	40.31	205.0	41.41	325.0	49.14
90.0	38.38	210.0	40.56	330.0	51.43
95.0	36.70	215.0	39.63	335.0	53.75
100.0	35.32	220.0	38.68	340.0	56.01
105.0	34.25	225.0	37.76	345.0	58.17
110.0	33.51	230.0	36.90	350.0	60.16
115.0	33.10	235.0	36.16	355.0	61.91

Standard Pattern
Calculated at 60.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	53.81	120.0	32.42	240.0	33.28
5.0	54.56	125.0	32.46	245.0	32.97
10.0	55.06	130.0	32.68	250.0	32.75
15.0	55.29	135.0	33.06	255.0	32.64
20.0	55.23	140.0	33.57	260.0	32.63
25.0	54.90	145.0	34.17	265.0	32.73
30.0	54.29	150.0	34.82	270.0	32.95
35.0	53.43	155.0	35.50	275.0	33.29
40.0	52.33	160.0	36.15	280.0	33.76
45.0	51.02	165.0	36.74	285.0	34.37
50.0	49.55	170.0	37.24	290.0	35.11
55.0	47.95	175.0	37.62	295.0	36.00
60.0	46.26	180.0	37.86	300.0	37.04
65.0	44.52	185.0	37.96	305.0	38.22
70.0	42.79	190.0	37.91	310.0	39.53
75.0	41.08	195.0	37.72	315.0	40.95
80.0	39.46	200.0	37.39	320.0	42.46
85.0	37.94	205.0	36.96	325.0	44.04
90.0	36.57	210.0	36.44	330.0	45.65
95.0	35.37	215.0	35.88	335.0	47.25
100.0	34.35	220.0	35.29	340.0	48.81
105.0	33.55	225.0	34.71	345.0	50.29
110.0	32.95	230.0	34.17	350.0	51.64
115.0	32.58	235.0	33.69	355.0	52.82