

AM Radiation Report

Call: WEUS
 Freq: 810 kHz
 ORLOVISTA, FL, US
 Lat: 28-34-18 N
 Lng: 081-26-02 W
 Power: 0.4 kW
 Theo RMS: 186.71 mV/m @ 1km

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swch	TL Swch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	90.0	0	0	0.0	0.0	0.0	0.0
2	0.950	330.5	225.0	7.0	90.0	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	43.52	120.0	178.82	240.0	47.11
5.0	47.88	125.0	131.71	245.0	93.52
10.0	47.40	130.0	84.04	250.0	141.25
15.0	42.08	135.0	38.34	255.0	187.99
20.0	32.18	140.0	16.30	260.0	231.68
25.0	19.19	145.0	51.72	265.0	270.32
30.0	15.46	150.0	87.58	270.0	302.09
35.0	35.19	155.0	119.07	275.0	325.47
40.0	63.46	160.0	145.65	280.0	339.44
45.0	96.17	165.0	167.28	285.0	343.49
50.0	131.92	170.0	184.11	290.0	337.73
55.0	169.44	175.0	196.34	295.0	322.82
60.0	207.25	180.0	204.21	300.0	299.93
65.0	243.68	185.0	207.90	305.0	270.60
70.0	276.90	190.0	207.49	310.0	236.59
75.0	305.08	195.0	202.98	315.0	199.75
80.0	326.49	200.0	194.25	320.0	161.87
85.0	339.64	205.0	181.12	325.0	124.59
90.0	343.48	210.0	163.35	330.0	89.34
95.0	337.43	215.0	140.73	335.0	57.40
100.0	321.53	220.0	113.16	340.0	30.28
105.0	296.36	225.0	80.73	345.0	13.96
110.0	263.09	230.0	44.17	350.0	21.81
115.0	223.29	235.0	13.70	355.0	34.50

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	40.90	120.0	178.67	240.0	48.31
5.0	45.20	125.0	132.08	245.0	94.28
10.0	44.72	130.0	84.90	250.0	141.51
15.0	39.48	135.0	39.59	255.0	187.74
20.0	29.78	140.0	15.34	260.0	230.94
25.0	17.48	145.0	49.62	265.0	269.14
30.0	16.59	150.0	85.15	270.0	300.55
35.0	37.07	155.0	116.39	275.0	323.69
40.0	65.16	160.0	142.79	280.0	337.53
45.0	97.54	165.0	164.29	285.0	341.58
50.0	132.90	170.0	181.02	290.0	335.95
55.0	169.98	175.0	193.20	295.0	321.29
60.0	207.32	180.0	201.04	300.0	298.75
65.0	243.27	185.0	204.71	305.0	269.83
70.0	276.04	190.0	204.30	310.0	236.27
75.0	303.82	195.0	199.81	315.0	199.91
80.0	324.90	200.0	191.12	320.0	162.49
85.0	337.83	205.0	178.05	325.0	125.65
90.0	341.56	210.0	160.37	330.0	90.79
95.0	335.54	215.0	137.90	335.0	59.15
100.0	319.78	220.0	110.52	340.0	32.15
105.0	294.89	225.0	78.35	345.0	14.51
110.0	261.99	230.0	42.17	350.0	19.86
115.0	222.64	235.0	13.71	355.0	32.04

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	33.32	120.0	178.19	240.0	51.81
5.0	37.41	125.0	133.11	245.0	96.49
10.0	36.96	130.0	87.40	250.0	142.24
15.0	31.98	135.0	43.27	255.0	186.95
20.0	23.04	140.0	13.52	260.0	228.71
25.0	13.88	145.0	43.51	265.0	265.62
30.0	21.02	150.0	77.99	270.0	295.99
35.0	42.65	155.0	108.48	275.0	318.39
40.0	70.12	160.0	134.33	280.0	331.85
45.0	101.52	165.0	155.44	285.0	335.91
50.0	135.71	170.0	171.90	290.0	330.67
55.0	171.48	175.0	183.90	295.0	316.73
60.0	207.44	180.0	191.63	300.0	295.19
65.0	241.99	185.0	195.26	305.0	267.48
70.0	273.44	190.0	194.86	310.0	235.28
75.0	300.04	195.0	190.42	315.0	200.30
80.0	320.16	200.0	181.84	320.0	164.26
85.0	332.44	205.0	168.97	325.0	128.70
90.0	335.86	210.0	151.59	330.0	94.98
95.0	329.90	215.0	129.54	335.0	64.28
100.0	314.60	220.0	102.75	340.0	37.75
105.0	290.51	225.0	71.37	345.0	17.90
110.0	258.71	230.0	36.35	350.0	15.13
115.0	220.69	235.0	14.91	355.0	25.07

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	21.97	120.0	177.25	240.0	57.35
5.0	25.50	125.0	134.61	245.0	99.90
10.0	25.10	130.0	91.26	250.0	143.25
15.0	20.85	135.0	49.15	255.0	185.54
20.0	14.54	140.0	14.56	260.0	224.97
25.0	15.28	145.0	33.92	265.0	259.82
30.0	29.86	150.0	66.56	270.0	288.51
35.0	51.62	155.0	95.80	275.0	309.73
40.0	77.93	160.0	120.72	280.0	322.59
45.0	107.70	165.0	141.14	285.0	326.66
50.0	139.98	170.0	157.13	290.0	322.01
55.0	173.64	175.0	168.82	295.0	309.21
60.0	207.38	180.0	176.37	300.0	289.26
65.0	239.71	185.0	179.92	305.0	263.50
70.0	269.04	190.0	179.52	310.0	233.43
75.0	293.77	195.0	175.18	315.0	200.70
80.0	312.38	200.0	166.82	320.0	166.86
85.0	323.61	205.0	154.28	325.0	133.37
90.0	326.55	210.0	137.42	330.0	101.51
95.0	320.72	215.0	116.09	335.0	72.36
100.0	306.14	220.0	90.29	340.0	46.86
105.0	283.33	225.0	60.24	345.0	26.21
110.0	253.30	230.0	27.34	350.0	13.86
115.0	217.40	235.0	19.46	355.0	15.71

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	12.57	120.0	175.68	240.0	64.49
5.0	13.46	125.0	136.28	245.0	104.12
10.0	13.31	130.0	96.10	250.0	144.27
15.0	12.53	135.0	56.79	255.0	183.33
20.0	15.75	140.0	21.33	260.0	219.70
25.0	26.22	145.0	22.04	265.0	251.84
30.0	42.52	150.0	51.60	270.0	278.31
35.0	63.33	155.0	79.05	275.0	297.98
40.0	87.87	160.0	102.65	280.0	310.03
45.0	115.42	165.0	122.09	285.0	314.08
50.0	145.13	170.0	137.39	290.0	310.19
55.0	175.99	175.0	148.61	295.0	298.87
60.0	206.80	180.0	155.89	300.0	281.00
65.0	236.21	185.0	159.31	305.0	257.75
70.0	262.77	190.0	158.93	310.0	230.51
75.0	285.04	195.0	154.74	315.0	200.71
80.0	301.69	200.0	146.69	320.0	169.79
85.0	311.59	205.0	134.66	325.0	139.06
90.0	313.91	210.0	118.54	330.0	109.71
95.0	308.26	215.0	98.26	335.0	82.70
100.0	294.64	220.0	73.86	340.0	58.85
105.0	273.53	225.0	45.72	345.0	38.87
110.0	245.82	230.0	16.88	350.0	23.60
115.0	212.72	235.0	27.69	355.0	14.53

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	21.98	120.0	173.26	240.0	72.59
5.0	19.03	125.0	137.72	245.0	108.63
10.0	19.35	130.0	101.35	250.0	144.94
15.0	23.00	135.0	65.54	255.0	180.15
20.0	30.51	140.0	32.00	260.0	212.88
25.0	42.10	145.0	12.21	265.0	241.79
30.0	57.63	150.0	34.24	270.0	265.65
35.0	76.75	155.0	59.24	275.0	283.46
40.0	99.02	160.0	81.08	280.0	294.53
45.0	123.83	165.0	99.24	285.0	298.53
50.0	150.45	170.0	113.60	290.0	295.51
55.0	177.95	175.0	124.19	295.0	285.89
60.0	205.27	180.0	131.08	300.0	270.43
65.0	231.22	185.0	134.32	305.0	250.14
70.0	254.53	190.0	133.96	310.0	226.20
75.0	273.94	195.0	129.99	315.0	199.88
80.0	288.31	200.0	122.37	320.0	172.43
85.0	296.66	205.0	111.03	325.0	145.02
90.0	298.30	210.0	95.91	330.0	118.70
95.0	292.88	215.0	77.00	335.0	94.34
100.0	280.42	220.0	54.45	340.0	72.66
105.0	261.33	225.0	29.05	345.0	54.23
110.0	236.38	230.0	12.43	350.0	39.46
115.0	206.60	235.0	38.38	355.0	28.68

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	40.80	120.0	169.75	240.0	80.92
5.0	37.71	125.0	138.51	245.0	112.86
10.0	38.05	130.0	106.43	250.0	144.86
15.0	41.84	135.0	74.65	255.0	175.80
20.0	49.09	140.0	44.33	260.0	204.50
25.0	59.76	145.0	17.86	265.0	229.84
30.0	73.71	150.0	16.79	270.0	250.80
35.0	90.67	155.0	37.67	275.0	266.56
40.0	110.26	160.0	57.26	280.0	276.53
45.0	131.95	165.0	73.79	285.0	280.43
50.0	155.08	170.0	86.96	290.0	278.31
55.0	178.84	175.0	96.73	295.0	270.50
60.0	202.32	180.0	103.11	300.0	257.62
65.0	224.47	185.0	106.12	305.0	240.53
70.0	244.24	190.0	105.79	310.0	220.20
75.0	260.56	195.0	102.10	315.0	197.69
80.0	272.49	200.0	95.05	320.0	174.08
85.0	279.20	205.0	84.60	325.0	150.37
90.0	280.14	210.0	70.75	330.0	127.47
95.0	275.02	215.0	53.57	335.0	106.16
100.0	263.86	220.0	33.46	340.0	87.06
105.0	247.00	225.0	13.44	345.0	70.67
110.0	225.09	230.0	22.51	350.0	57.36
115.0	198.99	235.0	50.21	355.0	47.36

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	60.67	120.0	164.91	240.0	88.69
5.0	57.92	125.0	138.20	245.0	116.21
10.0	58.23	130.0	110.68	250.0	143.64
15.0	61.58	135.0	83.26	255.0	170.07
20.0	67.95	140.0	56.83	260.0	194.55
25.0	77.23	145.0	32.36	265.0	216.16
30.0	89.25	150.0	12.81	270.0	234.10
35.0	103.77	155.0	16.77	275.0	247.70
40.0	120.43	160.0	32.77	280.0	256.48
45.0	138.76	165.0	47.20	285.0	260.22
50.0	158.19	170.0	58.91	290.0	258.96
55.0	178.02	175.0	67.66	295.0	252.95
60.0	197.48	180.0	73.40	300.0	242.68
65.0	215.72	185.0	76.12	305.0	228.84
70.0	231.86	190.0	75.82	310.0	212.21
75.0	245.05	195.0	72.49	315.0	193.66
80.0	254.51	200.0	66.15	320.0	174.06
85.0	259.60	205.0	56.80	325.0	154.24
90.0	259.88	210.0	44.52	330.0	134.99
95.0	255.12	215.0	29.61	335.0	116.95
100.0	245.35	220.0	13.91	340.0	100.68
105.0	230.84	225.0	15.83	345.0	86.64
110.0	212.11	230.0	37.03	350.0	75.14
115.0	189.85	235.0	61.99	355.0	66.44

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	79.04	120.0	158.52	240.0	95.12
5.0	76.73	125.0	136.38	245.0	118.09
10.0	76.99	130.0	113.49	250.0	140.90
15.0	79.81	135.0	90.57	255.0	162.79
20.0	85.12	140.0	68.29	260.0	183.05
25.0	92.84	145.0	47.30	265.0	200.95
30.0	102.80	150.0	28.32	270.0	215.87
35.0	114.75	155.0	13.11	275.0	227.28
40.0	128.38	160.0	11.47	280.0	234.84
45.0	143.28	165.0	21.56	285.0	238.36
50.0	158.97	170.0	31.22	290.0	237.85
55.0	174.88	175.0	38.68	295.0	233.53
60.0	190.38	180.0	43.63	300.0	225.76
65.0	204.78	185.0	45.99	305.0	215.05
70.0	217.40	190.0	45.73	310.0	202.02
75.0	227.56	195.0	42.85	315.0	187.35
80.0	234.68	200.0	37.39	320.0	171.71
85.0	238.27	205.0	29.45	325.0	155.80
90.0	237.98	210.0	19.45	330.0	140.22
95.0	233.65	215.0	10.14	335.0	125.53
100.0	225.30	220.0	15.61	340.0	112.21
105.0	213.15	225.0	31.91	345.0	100.64
110.0	197.59	230.0	51.37	350.0	91.11
115.0	179.16	235.0	72.66	355.0	83.86

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	94.18	120.0	150.43	240.0	99.49
5.0	92.34	125.0	132.70	245.0	118.01
10.0	92.55	130.0	114.30	250.0	136.31
15.0	94.79	135.0	95.80	255.0	153.85
20.0	99.03	140.0	77.71	260.0	170.05
25.0	105.16	145.0	60.51	265.0	184.40
30.0	113.03	150.0	44.62	270.0	196.41
35.0	122.43	155.0	30.45	275.0	205.72
40.0	133.08	160.0	18.54	280.0	212.05
45.0	144.66	165.0	10.27	285.0	215.27
50.0	156.77	170.0	9.15	290.0	215.39
55.0	168.96	175.0	12.92	295.0	212.55
60.0	180.72	180.0	16.38	300.0	207.03
65.0	191.55	185.0	18.15	305.0	199.18
70.0	200.92	190.0	17.95	310.0	189.48
75.0	208.33	195.0	15.80	315.0	178.43
80.0	213.35	200.0	12.10	320.0	166.54
85.0	215.61	205.0	8.74	325.0	154.33
90.0	214.88	210.0	11.49	330.0	142.29
95.0	211.03	215.0	20.70	335.0	130.87
100.0	204.09	220.0	33.12	340.0	120.44
105.0	194.22	225.0	47.67	345.0	111.32
110.0	181.70	230.0	63.86	350.0	103.79
115.0	166.94	235.0	81.27	355.0	98.03

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	104.71	120.0	140.52	240.0	101.20
5.0	103.32	125.0	126.86	245.0	115.53
10.0	103.47	130.0	112.67	250.0	129.65
15.0	105.17	135.0	98.34	255.0	143.15
20.0	108.36	140.0	84.25	260.0	155.62
25.0	112.97	145.0	70.77	265.0	166.69
30.0	118.86	150.0	58.19	270.0	176.03
35.0	125.86	155.0	46.80	275.0	183.37
40.0	133.75	160.0	36.82	280.0	188.52
45.0	142.26	165.0	28.42	285.0	191.37
50.0	151.10	170.0	21.77	290.0	191.95
55.0	159.92	175.0	16.94	295.0	190.33
60.0	168.35	180.0	13.93	300.0	186.71
65.0	176.02	185.0	12.58	305.0	181.35
70.0	182.55	190.0	12.72	310.0	174.57
75.0	187.59	195.0	14.39	315.0	166.72
80.0	190.82	200.0	17.76	320.0	158.18
85.0	192.01	205.0	22.95	325.0	149.32
90.0	190.99	210.0	29.97	330.0	140.52
95.0	187.67	215.0	38.69	335.0	132.11
100.0	182.07	220.0	48.97	340.0	124.38
105.0	174.32	225.0	60.62	345.0	117.58
110.0	164.61	230.0	73.40	350.0	111.94
115.0	153.23	235.0	87.03	355.0	107.61

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	109.59	120.0	128.73	240.0	99.80
5.0	108.61	125.0	118.70	245.0	110.37
10.0	108.72	130.0	108.26	250.0	120.75
15.0	109.91	135.0	97.69	255.0	130.67
20.0	112.16	140.0	87.25	260.0	139.84
25.0	115.40	145.0	77.21	265.0	148.02
30.0	119.52	150.0	67.79	270.0	154.98
35.0	124.39	155.0	59.20	275.0	160.54
40.0	129.84	160.0	51.59	280.0	164.57
45.0	135.69	165.0	45.10	285.0	167.01
50.0	141.71	170.0	39.84	290.0	167.86
55.0	147.66	175.0	35.88	295.0	167.18
60.0	153.28	180.0	33.27	300.0	165.08
65.0	158.31	185.0	32.03	305.0	161.73
70.0	162.49	190.0	32.17	310.0	157.36
75.0	165.60	195.0	33.68	315.0	152.19
80.0	167.43	200.0	36.57	320.0	146.49
85.0	167.82	205.0	40.79	325.0	140.50
90.0	166.65	210.0	46.30	330.0	134.50
95.0	163.89	215.0	53.02	335.0	128.71
100.0	159.55	220.0	60.84	340.0	123.36
105.0	153.69	225.0	69.62	345.0	118.63
110.0	146.47	230.0	79.18	350.0	114.68
115.0	138.08	235.0	89.32	355.0	111.63

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	108.25	120.0	115.08	240.0	95.01
5.0	107.62	125.0	108.13	245.0	102.35
10.0	107.69	130.0	100.89	250.0	109.55
15.0	108.46	135.0	93.54	255.0	116.43
20.0	109.92	140.0	86.27	260.0	122.81
25.0	112.00	145.0	79.25	265.0	128.53
30.0	114.63	150.0	72.64	270.0	133.46
35.0	117.74	155.0	66.57	275.0	137.47
40.0	121.19	160.0	61.17	280.0	140.50
45.0	124.86	165.0	56.55	285.0	142.48
50.0	128.60	170.0	52.77	290.0	143.43
55.0	132.24	175.0	49.92	295.0	143.38
60.0	135.64	180.0	48.02	300.0	142.39
65.0	138.61	185.0	47.12	305.0	140.57
70.0	140.99	190.0	47.22	310.0	138.05
75.0	142.66	195.0	48.32	315.0	134.99
80.0	143.46	200.0	50.41	320.0	131.53
85.0	143.32	205.0	53.46	325.0	127.85
90.0	142.17	210.0	57.41	330.0	124.11
95.0	139.97	215.0	62.19	335.0	120.48
100.0	136.75	220.0	67.74	340.0	117.08
105.0	132.54	225.0	73.92	345.0	114.07
110.0	127.45	230.0	80.63	350.0	111.53
115.0	121.58	235.0	87.71	355.0	109.57