

Exhibit 17A
Site to Site RSS Calculations
KBNH-AM Burns, OR

Point: CRESCEN Frequency: 1200 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
-----	-----	-----	-----	-----	-----	-----	-----
KYAA	610.2	339.1	11.9	733.7	92.500	13.5728	13.5728
KEX *	427.0	198.1	17.7	3043.8	140.636	8.5615	16.0474
CKXM	745.5	185.9	9.2	429.6	61.960	5.3234	16.9073
WOAI	2702.9	307.3	.0	2833.6	7.505	4.2531	17.4341
KTBK *	635.5	195.0	11.3	566.6	80.152	.9083	
KBNH *	462.9	246.1	16.2	242.4	128.071	.6208	
KEBR *	414.3	325.3	18.2	198.5	150.753	.5985	

Point: BOISE Frequency: 1200 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
-----	-----	-----	-----	-----	-----	-----	-----
WOAI	2246.7	319.0	.0	2833.6	10.420	5.9054	5.9054
KBNH *	219.4	89.0	32.8	239.1	274.242	1.3117	
CKXM	759.5	132.9	9.0	113.7	56.765	1.2905	
CHMG	1115.0	191.4	4.8	231.2	23.938	1.1070	

Point: CKWA Frequency: 1210 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
-----	-----	-----	-----	-----	-----	-----	-----
YORKTON	929.1	302.8	9.6	816.9	71.728	11.7185	11.7185
CACLNA	534.5	39.0	18.5	276.9	119.696	6.6297	13.4639
CFYM	562.0	321.0	17.6	133.6	116.001	3.0993	
KBNH	1336.7	11.9	5.1	303.8	35.955	2.1847	
KOKK	1689.2	321.7	2.7	545.2	17.906	1.9525	

Point: CACLNA Frequency: 1210 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
-----	-----	-----	-----	-----	-----	-----	-----
CKWA	534.5	223.3	18.5	271.9	119.696	6.5091	6.5091
KTBK	506.3	17.1	19.6	204.1	123.808	5.0533	8.2404
YORKTON	1221.8	278.5	6.2	470.5	44.274	4.1665	9.2339
KBNH	900.0	355.7	10.0	211.6	75.075	3.1771	
CFYM	752.5	275.8	12.6	137.3	92.158	2.5310	
KGYN	2218.3	324.4	.0	1550.1	7.801	2.4185	

* - indicates an adjacent channel station.

Point: KQEQ Frequency: 1210 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
-----	-----	-----	-----	-----	-----	-----	-----
KEBR	271.4	147.5	27.3	181.5	234.874	8.5262	8.5262
KGYN	1629.5	275.4	1.4	1411.5	19.408	5.4788	10.1348
KPRZ	459.3	331.1	16.4	182.8	135.146	4.9420	11.2755
KUNF	552.2	266.3	13.4	148.7	106.697	3.1725	11.7133
KHAT	1322.4	251.9	3.2	435.1	26.747	2.3276	
KEVT	952.2	305.1	6.4	195.9	50.062	1.9611	
KBNH	769.5	184.2	8.9	140.5	64.938	1.8242	

Point: SAN JAC Frequency: 1210 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
-----	-----	-----	-----	-----	-----	-----	-----
KPRZ	81.7	14.0	62.4	82.8	413.005	6.8354	6.8354
KGYN	1450.7	261.8	2.4	1340.8	24.628	6.6042	9.5046
KQEQ	403.3	141.7	18.7	170.0	157.135	5.3440	10.9040
KUNF	488.7	221.1	15.3	146.8	125.245	3.6783	11.5077
KEBR	673.6	143.4	10.5	208.3	82.087	3.4192	12.0049
KEVT	595.6	290.7	12.2	139.6	97.651	2.7259	
KHAT	1304.1	234.1	3.4	390.1	28.374	2.2138	
KBNH	1102.4	169.9	5.0	244.2	37.655	1.8389	

Point: KPRZ Frequency: 1210 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
-----	-----	-----	-----	-----	-----	-----	-----
KGYN	1494.8	259.1	2.1	1335.1	23.569	6.2931	6.2931
KQEQ	459.3	149.6	16.4	173.1	135.146	4.6780	7.8414
KUNF	563.8	217.6	13.0	148.9	104.561	3.1148	8.4374
KEBR	730.7	148.2	9.5	209.2	73.396	3.0709	8.9788
KEVT	596.6	282.8	12.2	132.1	97.461	2.5743	9.3406
KHAT	1373.4	232.2	2.9	384.4	26.188	2.0135	
KUBR	1991.6	296.9	.0	535.6	16.001	1.7141	
KBNH	1178.1	171.5	4.3	234.4	34.000	1.5936	

Point: TILLAMO Frequency: 1210 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
-----	-----	-----	-----	-----	-----	-----	-----
KTBK	242.4	212.9	30.1	541.8	247.149	26.7821	26.7821
KBNH	435.9	300.5	17.3	193.4	134.185	5.1891	
KGYN	2113.2	304.5	.0	1628.7	9.816	3.1974	
CACLNA	742.4	203.8	9.3	293.4	54.023	3.1703	

Point: KUNF Frequency: 1210 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
-----	-----	-----	-----	-----	-----	-----	-----
KGYN	1077.8	276.4	5.2	1416.1	39.032	11.0546	11.0546
KPRZ	563.8	35.5	13.0	256.3	104.561	5.3595	12.2853
KEVT	614.2	338.3	11.8	286.2	93.365	5.3442	13.3973
KHAT	823.0	238.8	8.1	398.4	57.772	4.6033	14.1661
KQEQ	552.2	82.6	13.4	176.4	106.697	3.7633	14.6575
KBNH	854.8	144.7	7.6	329.8	54.361	3.5859	
KEBR	707.6	102.0	9.9	208.9	75.274	3.1454	
KRSV	656.9	200.1	10.9	145.3	80.679	2.3451	

Point: KUNF Frequency: 1210 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
-----	-----	-----	-----	-----	-----	-----	-----
KGYN	1079.5	276.0	5.2	1412.9	38.964	11.0105	11.0105
KEVT	607.1	337.9	12.0	285.1	94.847	5.4078	12.2669
KPRZ	556.2	35.9	13.3	249.6	106.420	5.3123	13.3678
KHAT	829.2	238.4	8.0	397.4	57.148	4.5423	14.1184
KQEQ	550.2	83.4	13.4	176.3	107.225	3.7808	14.6159
KBNH	861.2	145.1	7.5	329.6	53.773	3.5451	
KEBR	708.7	102.7	9.9	208.9	75.147	3.1402	
KRSV	665.3	200.0	10.7	145.5	79.246	2.3055	

Point: KTBK Frequency: 1210 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
-----	-----	-----	-----	-----	-----	-----	-----
CACLNA	506.3	198.7	14.7	285.1	94.502	5.3881	5.3881
KGYN	2075.4	311.2	.0	1638.1	9.615	3.1500	6.2413
KEBR	955.3	356.1	6.4	211.3	43.573	1.8412	6.5073
CKXM *	148.8	147.5	45.6	250.0	338.477	1.6924	6.7237
KPRZ	1637.1	346.6	1.3	446.5	18.236	1.6284	
KHAT	1481.0	302.6	2.2	469.2	17.295	1.6230	
KBNH	481.6	330.7	15.6	63.8	115.070	1.4681	

Point: KRSV Frequency: 1210 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
-----	-----	-----	-----	-----	-----	-----	-----
KGYN	1058.6	312.4	5.4	1625.0	37.376	12.1476	12.1476
KHAT	475.8	291.8	15.8	442.8	120.377	10.6617	16.1628
KBNH	663.4	95.3	10.7	256.6	74.869	3.8426	
KOKK	1047.1	264.4	5.5	460.3	32.496	2.9918	

* - indicates an adjacent channel station.

Point: KUNA

Frequency: 1220 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
-----	-----	-----	-----	-----	-----	-----	-----
XEB	3120.7	333.1	.0	3990.0	6.463	5.1576	5.1576
KHTS	1017.4	9.9	5.8	356.4	42.582	3.0356	5.9846
KWKU	1057.5	6.5	5.4	279.7	40.125	2.2448	6.3918
CJOC	744.8	202.5	16.1	170.2	55.263	1.8811	6.6628
KDOW	815.9	35.7	14.5	134.3	58.855	1.5804	
KPSF	1053.2	1.1	5.4	172.2	40.315	1.3882	
KBNH	*	227.4	91.9	31.8	241.4	266.660	1.2874

* - indicates an adjacent channel station.

KBHN

Freq: 1210 kHz

Class: B

Latitude: 43-33-53 N

Longitude: 119-03-37 W

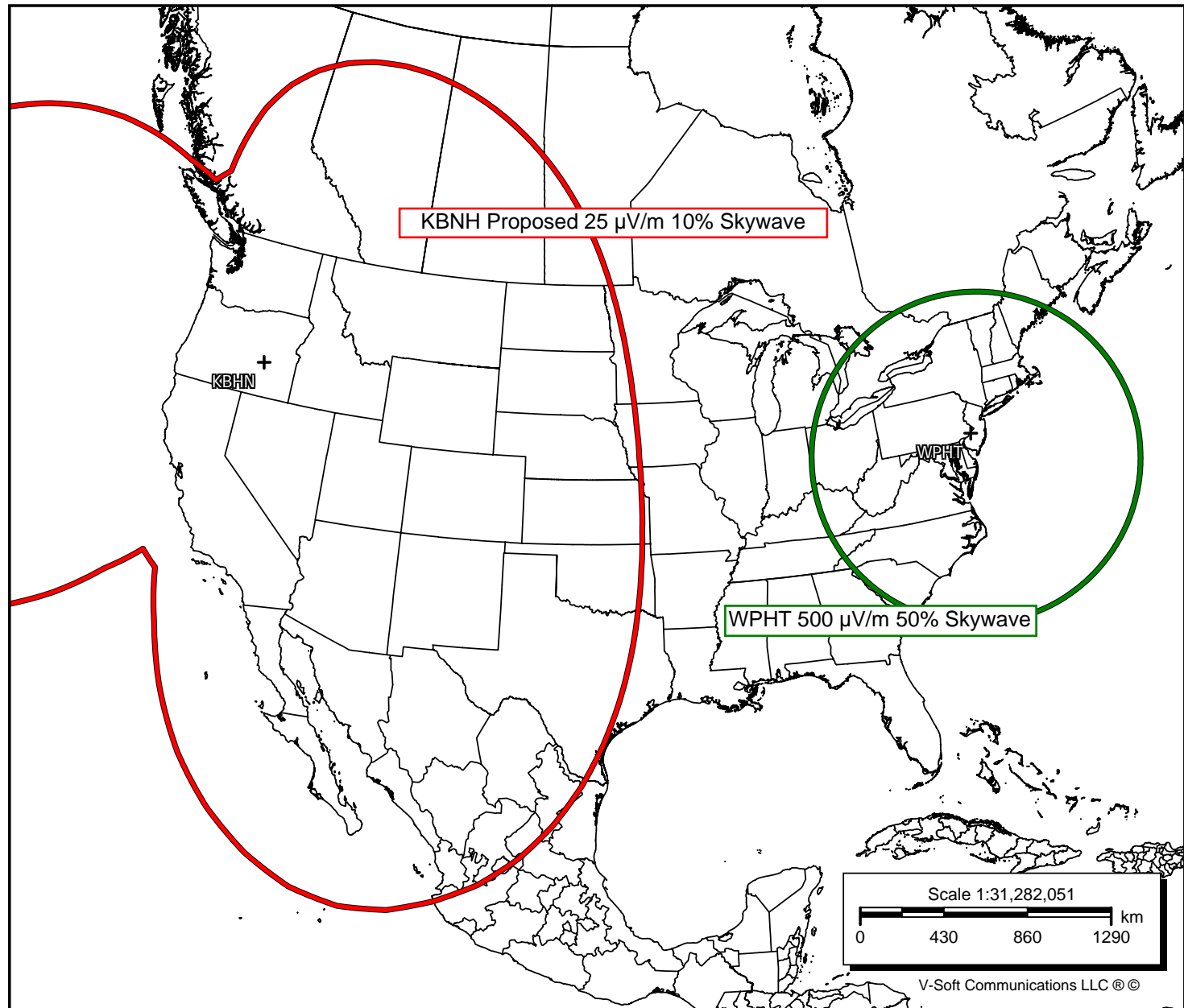
Power: 0.6 kW

RMS: 239.58 mV/m @1km

Towers: 2

Augs: 0

Exhibit 17B-1
Protection of
Co-Channel Class A
Station WPHT



KBHN

Freq: 1210 kHz
Class: B
Latitude: 43-33-53 N
Longitude: 119-03-37 W
Power: 0.6 kW
RMS: 239.58 mV/m @1km
Towers: 2
Aucs: 0

Exhibit 17B-2
Protection of
Adjacent-Channel
Class A Station WOAI

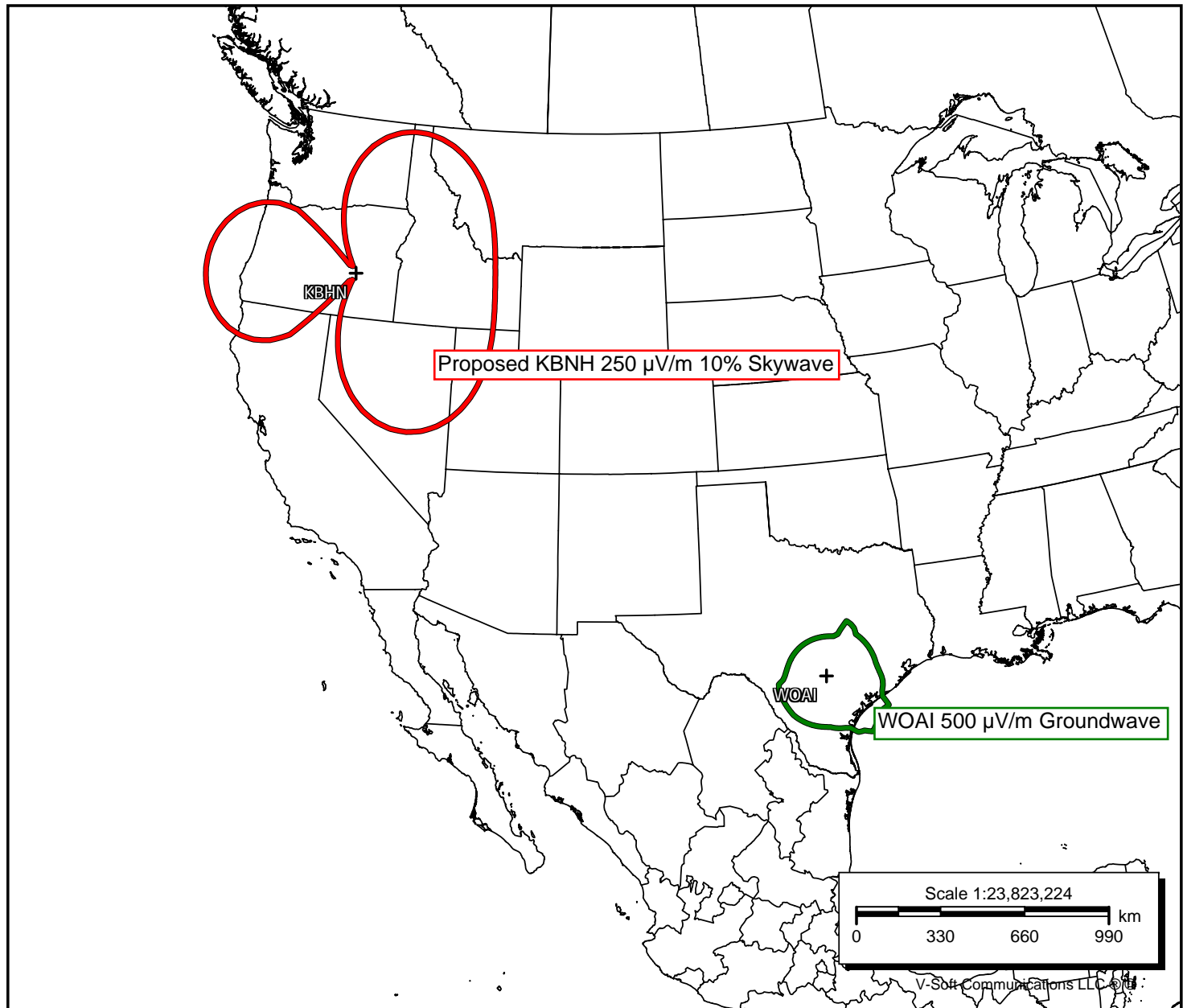


Exhibit 17C
RSS Calculations for Proposed Operation
KBNH-AM Burns, OR

Point: KBNH

Frequency: 1210 kHz

Station Call	Distance (km)	Bearing (degs.)	Theta (degs.)	Radiation (mV/m)	SW Mult. (uV/m)	IF Level (mV/m)	RSS (mV/m)
-----	-----	-----	-----	-----	-----	-----	-----
KGYN	1682.1	302.5	1.1	1618.7	16.134	5.2234	5.2234
KEBR	569.7	18.6	12.9	205.7	98.895	4.0679	6.6205
KPRZ	1178.1	352.6	4.3	498.2	34.000	3.3875	7.4368 *
KHAT	1137.0	287.5	4.7	469.9	30.954	2.9088	7.9855
CACLNA	900.0	175.0	7.1	295.6	39.645	2.3441	8.3224
KQEQ	769.5	3.8	8.9	180.2	64.938	2.3399	8.6451
KTBK	481.6	148.4	15.6	98.7	115.070	2.2722	8.9387
KRSV	663.4	280.9	10.7	145.4	74.869	2.1777	
KUNF	854.8	328.4	7.6	152.9	54.361	1.6628	
KEVT	1465.1	333.3	2.3	292.6	23.343	1.3661	

* Nighttime Interference-free Contour

Tabulation of Nighttime Directional Antenna Radiation Pattern

Call: KBHN
 Freq: 1210 kHz
 Burns, OR, US
 Hours: N
 Lat: 43-33-53 N
 Lng: 119-03-37 W
 Power: 0.6 kW
 Theo RMS: 239.58 mV/m @ 1km @ 0.6 kW

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Switch	TL Switch	A (deg)	B (deg)	C (deg)	D (deg)
1	1.000	0.0	0.0	0.0	79.7	0	0	0.0	0.0	0.0	0.0
2	0.670	105.0	190.0	265.0	79.7	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	244.95	120.0	304.62	240.0	255.54
5.0	274.26	125.0	315.57	245.0	266.79
10.0	298.12	130.0	324.99	250.0	275.13
15.0	316.08	135.0	331.90	255.0	280.83
20.0	328.04	140.0	335.30	260.0	284.15
25.0	334.27	145.0	334.27	265.0	285.24
30.0	335.30	150.0	328.04	270.0	284.15
35.0	331.90	155.0	316.08	275.0	280.83
40.0	324.99	160.0	298.12	280.0	275.13
45.0	315.57	165.0	274.26	285.0	266.79
50.0	304.62	170.0	244.95	290.0	255.54
55.0	293.11	175.0	211.06	295.0	241.04
60.0	281.90	180.0	173.93	300.0	223.03
65.0	271.73	185.0	135.58	305.0	201.34
70.0	263.20	190.0	99.48	310.0	176.03
75.0	256.79	195.0	72.97	315.0	147.55
80.0	252.82	200.0	68.79	320.0	117.16
85.0	251.47	205.0	88.09	325.0	88.09
90.0	252.82	210.0	117.16	330.0	68.79
95.0	256.79	215.0	147.55	335.0	72.97
100.0	263.20	220.0	176.03	340.0	99.48
105.0	271.73	225.0	201.34	345.0	135.58
110.0	281.90	230.0	223.03	350.0	173.93
115.0	293.11	235.0	241.04	355.0	211.06

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	243.56	120.0	303.75	240.0	253.02
5.0	272.64	125.0	314.47	245.0	264.25
10.0	296.34	130.0	323.68	250.0	272.58
15.0	314.21	135.0	330.38	255.0	278.28
20.0	326.17	140.0	333.61	260.0	281.60
25.0	332.46	145.0	332.46	265.0	282.69
30.0	333.61	150.0	326.17	270.0	281.60
35.0	330.38	155.0	314.21	275.0	278.28
40.0	323.68	160.0	296.34	280.0	272.58
45.0	314.47	165.0	272.64	285.0	264.25
50.0	303.75	170.0	243.56	290.0	253.02
55.0	292.46	175.0	209.97	295.0	238.58
60.0	281.45	180.0	173.18	300.0	220.65
65.0	271.45	185.0	135.17	305.0	199.08
70.0	263.06	190.0	99.35	310.0	173.95
75.0	256.75	195.0	72.87	315.0	145.71
80.0	252.84	200.0	68.25	320.0	115.63
85.0	251.51	205.0	86.98	325.0	86.98
90.0	252.84	210.0	115.63	330.0	68.25
95.0	256.75	215.0	145.71	335.0	72.87
100.0	263.06	220.0	173.95	340.0	99.35
105.0	271.45	225.0	199.08	345.0	135.17
110.0	281.45	230.0	220.65	350.0	173.18
115.0	292.46	235.0	238.58	355.0	209.97

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	239.46	120.0	301.10	240.0	245.56
5.0	267.84	125.0	311.16	245.0	256.70
10.0	291.06	130.0	319.71	250.0	264.99
15.0	308.67	135.0	325.83	255.0	270.68
20.0	320.59	140.0	328.56	260.0	273.99
25.0	327.05	145.0	327.05	265.0	275.08
30.0	328.56	150.0	320.59	270.0	273.99
35.0	325.83	155.0	308.67	275.0	270.68
40.0	319.71	160.0	291.06	280.0	264.99
45.0	311.16	165.0	267.84	285.0	256.70
50.0	301.10	170.0	239.46	290.0	245.56
55.0	290.44	175.0	206.74	295.0	231.27
60.0	280.01	180.0	170.94	300.0	213.59
65.0	270.52	185.0	133.95	305.0	192.41
70.0	262.54	190.0	98.96	310.0	167.81
75.0	256.53	195.0	72.61	315.0	140.28
80.0	252.80	200.0	66.71	320.0	111.14
85.0	251.53	205.0	83.75	325.0	83.75
90.0	252.80	210.0	111.14	330.0	66.71
95.0	256.53	215.0	140.28	335.0	72.61
100.0	262.54	220.0	167.81	340.0	98.96
105.0	270.52	225.0	192.41	345.0	133.95
110.0	280.01	230.0	213.59	350.0	170.94
115.0	290.44	235.0	231.27	355.0	206.74

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	232.75	120.0	296.51	240.0	233.37
5.0	260.00	125.0	305.52	245.0	244.35
10.0	282.42	130.0	313.06	250.0	252.55
15.0	299.60	135.0	318.25	255.0	258.20
20.0	311.45	140.0	320.21	260.0	261.51
25.0	318.16	145.0	318.16	265.0	262.60
30.0	320.21	150.0	311.45	270.0	261.51
35.0	318.25	155.0	299.60	275.0	258.20
40.0	313.06	160.0	282.42	280.0	252.55
45.0	305.52	165.0	260.00	285.0	244.35
50.0	296.51	170.0	232.75	290.0	233.37
55.0	286.86	175.0	201.44	295.0	219.36
60.0	277.36	180.0	167.25	300.0	202.13
65.0	268.68	185.0	131.91	305.0	181.60
70.0	261.35	190.0	98.29	310.0	157.89
75.0	255.82	195.0	72.23	315.0	131.54
80.0	252.38	200.0	64.42	320.0	103.97
85.0	251.22	205.0	78.69	325.0	78.69
90.0	252.38	210.0	103.97	330.0	64.42
95.0	255.82	215.0	131.54	335.0	72.23
100.0	261.35	220.0	157.89	340.0	98.29
105.0	268.68	225.0	181.60	345.0	131.91
110.0	277.36	230.0	202.13	350.0	167.25
115.0	286.86	235.0	219.36	355.0	201.44

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	223.64	120.0	289.77	240.0	216.85
5.0	249.36	125.0	297.43	245.0	227.56
10.0	270.70	130.0	303.66	250.0	235.60
15.0	287.26	135.0	307.67	255.0	241.17
20.0	298.95	140.0	308.67	260.0	244.44
25.0	305.96	145.0	305.96	265.0	245.52
30.0	308.67	150.0	298.95	270.0	244.44
35.0	307.67	155.0	287.26	275.0	241.17
40.0	303.66	160.0	270.70	280.0	235.60
45.0	297.43	165.0	249.36	285.0	227.56
50.0	289.77	170.0	223.64	290.0	216.85
55.0	281.44	175.0	194.23	295.0	203.28
60.0	273.15	180.0	162.18	300.0	186.71
65.0	265.52	185.0	129.04	305.0	167.11
70.0	259.05	190.0	97.30	310.0	144.66
75.0	254.15	195.0	71.82	315.0	119.98
80.0	251.10	200.0	61.75	320.0	94.59
85.0	250.06	205.0	72.28	325.0	72.28
90.0	251.10	210.0	94.59	330.0	61.75
95.0	254.15	215.0	119.98	335.0	71.82
100.0	259.05	220.0	144.66	340.0	97.30
105.0	265.52	225.0	167.11	345.0	129.04
110.0	273.15	230.0	186.71	350.0	162.18
115.0	281.44	235.0	203.28	355.0	194.23

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	212.38	120.0	280.63	240.0	196.55
5.0	236.23	125.0	286.74	245.0	206.85
10.0	256.21	130.0	291.48	250.0	214.63
15.0	271.96	135.0	294.15	255.0	220.06
20.0	283.40	140.0	294.08	260.0	223.26
25.0	290.67	145.0	290.67	265.0	224.31
30.0	294.08	150.0	283.40	270.0	223.26
35.0	294.15	155.0	271.96	275.0	220.06
40.0	291.48	160.0	256.21	280.0	214.63
45.0	286.74	165.0	236.23	285.0	206.85
50.0	280.63	170.0	212.38	290.0	196.55
55.0	273.83	175.0	185.27	295.0	183.61
60.0	266.95	180.0	155.82	300.0	167.94
65.0	260.55	185.0	125.35	305.0	149.57
70.0	255.09	190.0	95.94	310.0	128.77
75.0	250.94	195.0	71.43	315.0	106.24
80.0	248.34	200.0	59.16	320.0	83.66
85.0	247.45	205.0	65.17	325.0	65.17
90.0	248.34	210.0	83.66	330.0	59.16
95.0	250.94	215.0	106.24	335.0	71.43
100.0	255.09	220.0	128.77	340.0	95.94
105.0	260.55	225.0	149.57	345.0	125.35
110.0	266.95	230.0	167.94	350.0	155.82
115.0	273.83	235.0	183.61	355.0	185.27

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	199.27	120.0	268.87	240.0	173.21
5.0	220.98	125.0	273.34	245.0	182.92
10.0	239.36	130.0	276.51	250.0	190.32
15.0	254.12	135.0	277.81	255.0	195.51
20.0	265.17	140.0	276.68	260.0	198.59
25.0	272.59	145.0	272.59	265.0	199.60
30.0	276.68	150.0	265.17	270.0	198.59
35.0	277.81	155.0	254.12	275.0	195.51
40.0	276.51	160.0	239.36	280.0	190.32
45.0	273.34	165.0	220.98	285.0	182.92
50.0	268.87	170.0	199.27	290.0	173.21
55.0	263.68	175.0	174.78	295.0	161.11
60.0	258.32	180.0	148.26	300.0	146.60
65.0	253.25	185.0	120.82	305.0	129.79
70.0	248.89	190.0	94.12	310.0	111.01
75.0	245.54	195.0	71.04	315.0	91.11
80.0	243.44	200.0	57.05	320.0	72.01
85.0	242.72	205.0	58.18	325.0	58.18
90.0	243.44	210.0	72.01	330.0	57.05
95.0	245.54	215.0	91.11	335.0	71.04
100.0	248.89	220.0	111.01	340.0	94.12
105.0	253.25	225.0	129.79	345.0	120.82
110.0	258.32	230.0	146.60	350.0	148.26
115.0	263.68	235.0	161.11	355.0	174.78

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	184.64	120.0	254.29	240.0	147.73
5.0	203.99	125.0	257.15	245.0	156.67
10.0	220.58	130.0	258.82	250.0	163.53
15.0	234.17	135.0	258.83	255.0	168.38
20.0	244.65	140.0	256.72	260.0	171.26
25.0	252.10	145.0	252.10	265.0	172.22
30.0	256.72	150.0	244.65	270.0	171.26
35.0	258.83	155.0	234.17	275.0	168.38
40.0	258.82	160.0	220.58	280.0	163.53
45.0	257.15	165.0	203.99	285.0	156.67
50.0	254.29	170.0	184.64	290.0	147.73
55.0	250.71	175.0	162.98	295.0	136.70
60.0	246.87	180.0	139.63	300.0	123.63
65.0	243.14	185.0	115.46	305.0	108.69
70.0	239.88	190.0	91.76	310.0	92.34
75.0	237.36	195.0	70.58	315.0	75.58
80.0	235.77	200.0	55.68	320.0	60.65
85.0	235.22	205.0	52.18	325.0	52.18
90.0	235.77	210.0	60.65	330.0	55.68
95.0	237.36	215.0	75.58	335.0	70.58
100.0	239.88	220.0	92.34	340.0	91.76
105.0	243.14	225.0	108.69	345.0	115.46
110.0	246.87	230.0	123.63	350.0	139.63
115.0	250.71	235.0	136.70	355.0	162.98

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	168.82	120.0	236.84	240.0	121.18
5.0	185.68	125.0	238.23	245.0	129.14
10.0	200.34	130.0	238.56	250.0	135.31
15.0	212.58	135.0	237.46	255.0	139.70
20.0	222.33	140.0	234.58	260.0	142.32
25.0	229.61	145.0	229.61	265.0	143.19
30.0	234.58	150.0	222.33	270.0	142.32
35.0	237.46	155.0	212.58	275.0	139.70
40.0	238.56	160.0	200.34	280.0	135.31
45.0	238.23	165.0	185.68	285.0	129.14
50.0	236.84	170.0	168.82	290.0	121.18
55.0	234.75	175.0	150.10	295.0	111.46
60.0	232.32	180.0	130.03	300.0	100.11
65.0	229.86	185.0	109.26	305.0	87.38
70.0	227.65	190.0	88.74	310.0	73.87
75.0	225.92	195.0	69.87	315.0	60.81
80.0	224.81	200.0	55.05	320.0	50.75
85.0	224.43	205.0	47.93	325.0	47.93
90.0	224.81	210.0	50.75	330.0	55.05
95.0	225.92	215.0	60.81	335.0	69.87
100.0	227.65	220.0	73.87	340.0	88.74
105.0	229.86	225.0	87.38	345.0	109.26
110.0	232.32	230.0	100.11	350.0	130.03
115.0	234.75	235.0	111.46	355.0	150.10

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	152.13	120.0	216.59	240.0	94.79
5.0	166.45	125.0	216.76	245.0	101.58
10.0	179.08	130.0	216.00	250.0	106.89
15.0	189.85	135.0	214.04	255.0	110.70
20.0	198.67	140.0	210.64	260.0	112.99
25.0	205.57	145.0	205.57	265.0	113.75
30.0	210.64	150.0	198.67	270.0	112.99
35.0	214.04	155.0	189.85	275.0	110.70
40.0	216.00	160.0	179.08	280.0	106.89
45.0	216.76	165.0	166.45	285.0	101.58
50.0	216.59	170.0	152.13	290.0	94.79
55.0	215.77	175.0	136.38	295.0	86.63
60.0	214.57	180.0	119.58	300.0	77.27
65.0	213.22	185.0	102.21	305.0	67.12
70.0	211.95	190.0	84.94	310.0	56.92
75.0	210.91	195.0	68.68	315.0	48.18
80.0	210.24	200.0	54.87	320.0	43.52
85.0	210.01	205.0	45.71	325.0	45.71
90.0	210.24	210.0	43.52	330.0	54.87
95.0	210.91	215.0	48.18	335.0	68.68
100.0	211.95	220.0	56.92	340.0	84.94
105.0	213.22	225.0	67.12	345.0	102.21
110.0	214.57	230.0	77.27	350.0	119.58
115.0	215.77	235.0	86.63	355.0	136.38

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	134.88	120.0	193.80	240.0	69.97
5.0	146.69	125.0	193.04	245.0	75.38
10.0	157.25	130.0	191.51	250.0	79.68
15.0	166.43	135.0	189.02	255.0	82.80
20.0	174.17	140.0	185.39	260.0	84.68
25.0	180.47	145.0	180.47	265.0	85.31
30.0	185.39	150.0	174.17	270.0	84.68
35.0	189.02	155.0	166.43	275.0	82.80
40.0	191.51	160.0	157.25	280.0	79.68
45.0	193.04	165.0	146.69	285.0	75.38
50.0	193.80	170.0	134.88	290.0	69.97
55.0	193.97	175.0	122.03	295.0	63.61
60.0	193.74	180.0	108.39	300.0	56.59
65.0	193.29	185.0	94.32	305.0	49.43
70.0	192.78	190.0	80.25	310.0	43.11
75.0	192.32	195.0	66.77	315.0	39.22
80.0	192.01	200.0	54.66	320.0	39.65
85.0	191.89	205.0	45.12	325.0	45.12
90.0	192.01	210.0	39.65	330.0	54.66
95.0	192.32	215.0	39.22	335.0	66.77
100.0	192.78	220.0	43.11	340.0	80.25
105.0	193.29	225.0	49.43	345.0	94.32
110.0	193.74	230.0	56.59	350.0	108.39
115.0	193.97	235.0	63.61	355.0	122.03

Standard Pattern

Calculated at 55.0 Degrees Elevation

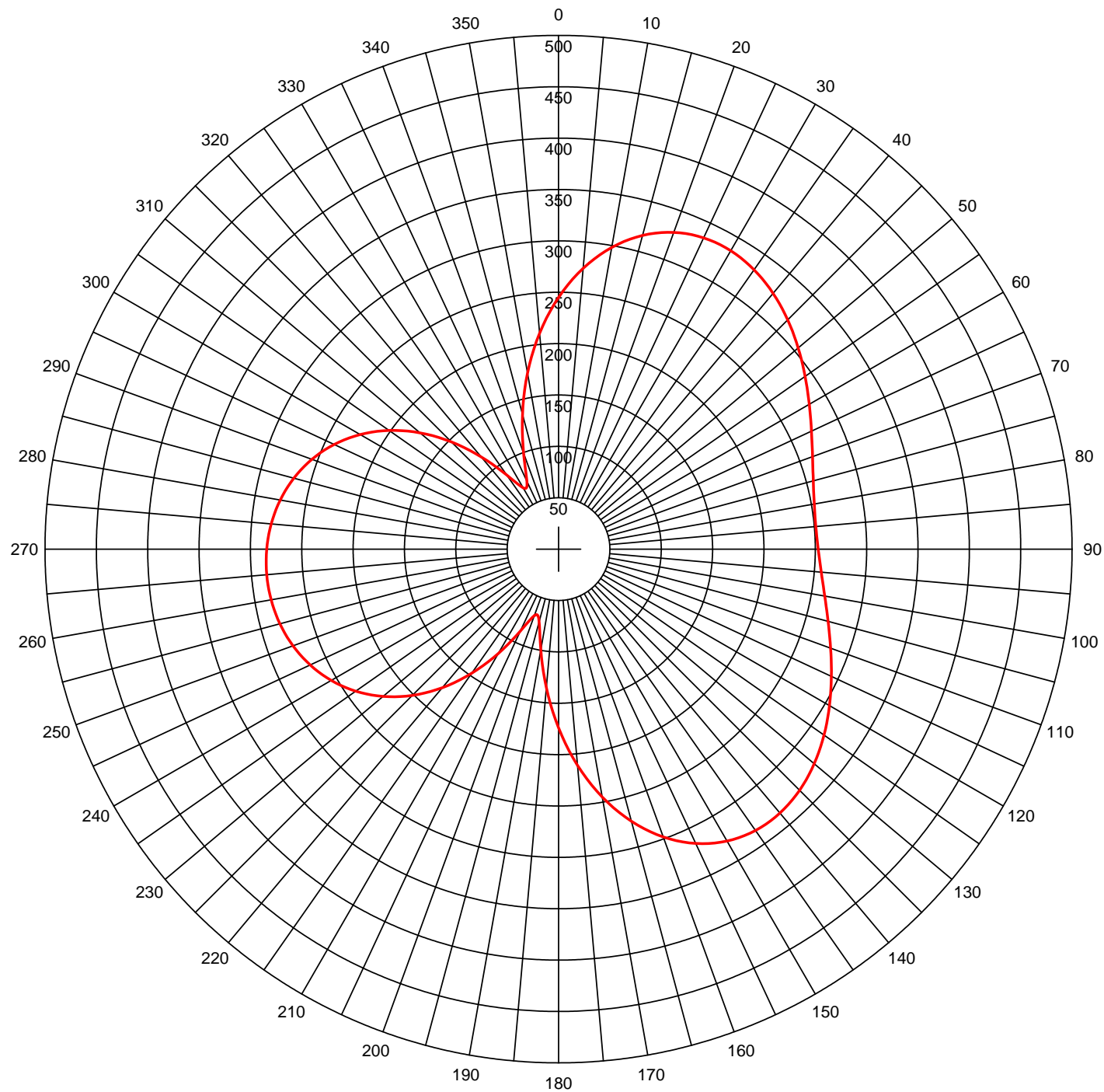
Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	117.34	120.0	168.89	240.0	48.42
5.0	126.72	125.0	167.56	245.0	52.22
10.0	135.24	130.0	165.60	250.0	55.34
15.0	142.79	135.0	162.89	255.0	57.64
20.0	149.32	140.0	159.33	260.0	59.05
25.0	154.83	145.0	154.83	265.0	59.52
30.0	159.33	150.0	149.32	270.0	59.05
35.0	162.89	155.0	142.79	275.0	57.64
40.0	165.60	160.0	135.24	280.0	55.34
45.0	167.56	165.0	126.72	285.0	52.22
50.0	168.89	170.0	117.34	290.0	48.42
55.0	169.73	175.0	107.22	295.0	44.18
60.0	170.19	180.0	96.55	300.0	39.90
65.0	170.39	185.0	85.57	305.0	36.25
70.0	170.43	190.0	74.56	310.0	34.21
75.0	170.40	195.0	63.85	315.0	34.84
80.0	170.35	200.0	53.88	320.0	38.62
85.0	170.33	205.0	45.23	325.0	45.23
90.0	170.35	210.0	38.62	330.0	53.88
95.0	170.40	215.0	34.84	335.0	63.85
100.0	170.43	220.0	34.21	340.0	74.56
105.0	170.39	225.0	36.25	345.0	85.57
110.0	170.19	230.0	39.90	350.0	96.55
115.0	169.73	235.0	44.18	355.0	107.22

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	99.72	120.0	142.49	240.0	32.40
5.0	106.85	125.0	140.91	245.0	34.28
10.0	113.41	130.0	138.84	250.0	35.98
15.0	119.34	135.0	136.23	255.0	37.32
20.0	124.59	140.0	133.02	260.0	38.16
25.0	129.14	145.0	129.14	265.0	38.44
30.0	133.02	150.0	124.59	270.0	38.16
35.0	136.23	155.0	119.34	275.0	37.32
40.0	138.84	160.0	113.41	280.0	35.98
45.0	140.91	165.0	106.85	285.0	34.28
50.0	142.49	170.0	99.72	290.0	32.40
55.0	143.67	175.0	92.11	295.0	30.66
60.0	144.52	180.0	84.15	300.0	29.49
65.0	145.10	185.0	75.97	305.0	29.41
70.0	145.49	190.0	67.75	310.0	30.87
75.0	145.72	195.0	59.68	315.0	34.06
80.0	145.85	200.0	51.99	320.0	38.86
85.0	145.89	205.0	44.95	325.0	44.95
90.0	145.85	210.0	38.86	330.0	51.99
95.0	145.72	215.0	34.06	335.0	59.68
100.0	145.49	220.0	30.87	340.0	67.75
105.0	145.10	225.0	29.41	345.0	75.97
110.0	144.52	230.0	29.49	350.0	84.15
115.0	143.67	235.0	30.66	355.0	92.11

AM Directional Pattern



Theo RMS: 239.58 mV/m@1km
Std RMS: 251.778 mV/m@1km
Q: 10.0 mV/m@1km

Standard Horizontal Plane Pattern

— Pattern (mV/m @ 1km)
— Pattern X10

#	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	79.7	0	0	0.0	0.0	0.0	0.0
2	0.670	105.0	190.0	265.0	79.7	0	0	0.0	0.0	0.0	0.0

Call: KBHN
Freq: 1210 kHz
Burns, OR, US
Hours: N
Lat: 43-33-53 N
Lng: 119-03-37 W
Power: 0.6 kW
Theo RMS: 239.58 mV/m@1km
@ 0.6 kW