

FIGURE 5-A

Proposed Nighttime Modified Standard Horizontal Plane Pattern (AT ONE KM)

AM Radiation Report

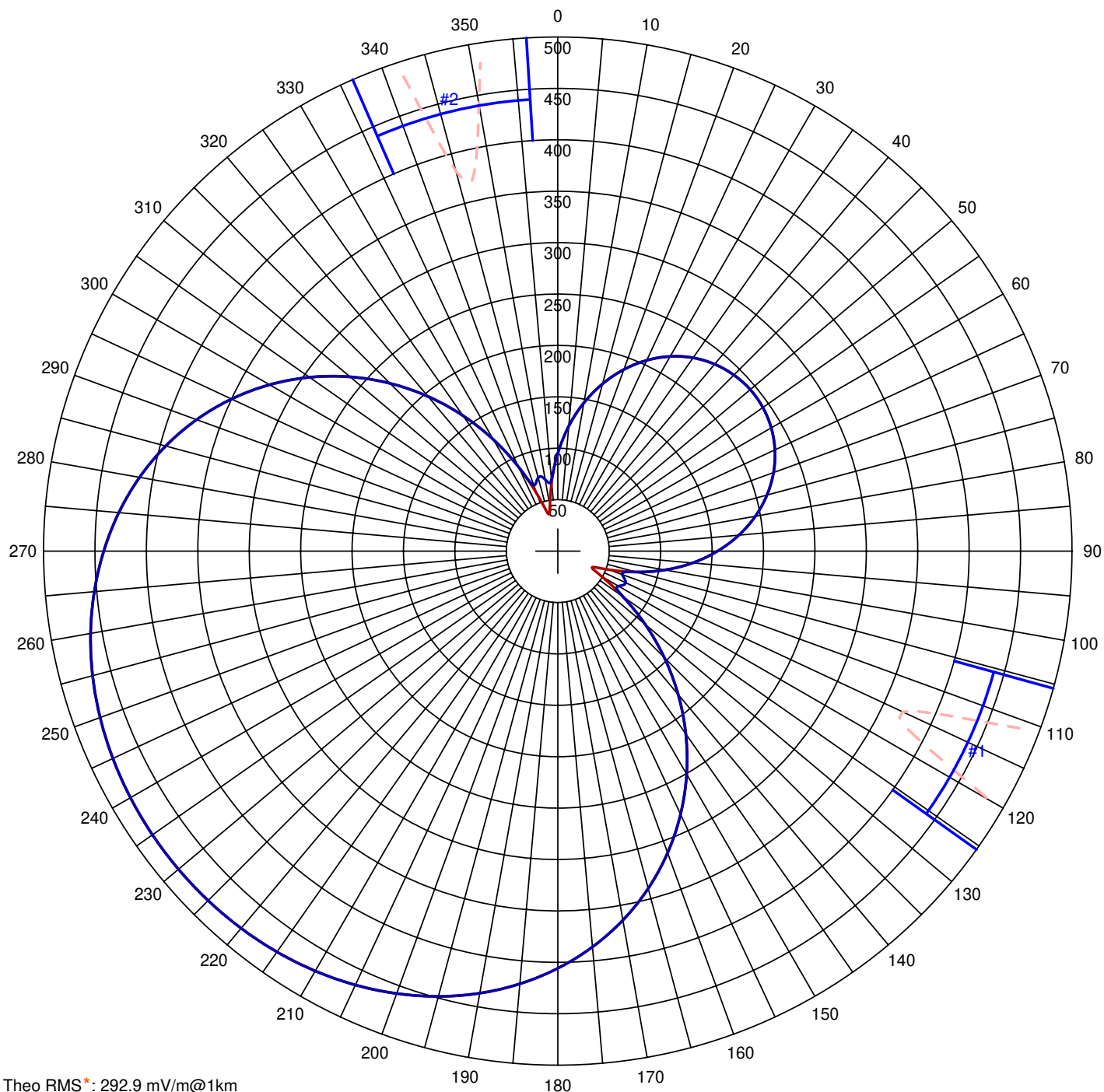
Call: KIGS.P [B]
Freq: 620 kHz
HANFORD, CA, US
Hours: N
Lat: 36-19-34.8 N
Lng: 119-33-58.7 W
Power: 1.0 kW
Theo RMS: 292.90 mV/m @ 1km @ 1.0 kW
of Augmentations: 2

#	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	68.0	0	0	0.0	0.0	0.0	0.0
2	0.870	137.0	100.0	51.0	68.0	0	0	0.0	0.0	0.0	0.0

Augmented Horizontal Plane Pattern

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	95.05	120.0	68.15	240.0	479.84
5.0	121.61	125.0	77.48	245.0	477.27
10.0	146.27	130.0	111.20	250.0	473.43
15.0	168.51	135.0	146.59	255.0	468.15
20.0	188.05	140.0	182.14	260.0	461.23
25.0	204.75	145.0	217.04	265.0	452.46
30.0	218.54	150.0	250.68	270.0	441.61
35.0	229.40	155.0	282.58	275.0	428.47
40.0	237.31	160.0	312.37	280.0	412.85
45.0	242.29	165.0	339.74	285.0	394.61
50.0	244.34	170.0	364.50	290.0	373.65
55.0	243.46	175.0	386.55	295.0	349.96
60.0	239.65	180.0	405.87	300.0	323.62
65.0	232.92	185.0	422.53	305.0	294.77
70.0	223.24	190.0	436.64	310.0	263.67
75.0	210.62	195.0	448.38	315.0	230.67
80.0	195.08	200.0	457.96	320.0	196.21
85.0	176.66	205.0	465.59	325.0	160.84
90.0	155.48	210.0	471.50	330.0	125.27
95.0	131.74	215.0	475.90	335.0	90.55
100.0	105.85	220.0	478.95	340.0	68.03
105.0	78.65	225.0	480.81	345.0	73.77
110.0	66.59	230.0	481.56	350.0	70.72
115.0	72.83	235.0	481.24	355.0	69.50

Nighttime Modified Standard Horizontal Plane Pattern



Theo RMS*: 292.9 mV/m@1km
 Std RMS: 307.7 mV/m@1km
 Aug RMS: 308.1 mV/m@1km
 Q: 10.0 mV/m@1km

— Aug Pattern (mV/m@1km)
 — Std Pattern (mV/m@1km)
 - - Aug Pattern X10
 - - Std Pattern X10

#	Field Ratio	Phase (deg)	Spacing (deg)	Orient (deg)	Height (deg)	Ref Swtch
1	1.000	0.0	0.0	0.0	68.0	0
2	0.870	137.0	100.0	51.0	68.0	0

#	Azimuth (deg)	Radiation (mV/m@1km)	Span (deg)
1	115.50	72.90	20.0
2	346.50	74.60	20.0

Call: KIGS
 Freq: 620 kHz
 HANFORD, CA, US
 Hours: N
 Lat: 36-19-34.80 N
 Lng: 119-33-58.70 W
 Power: 1.0 kW
 Theo RMS: 292.9 mV/m @1km @1kW
 # of Augmentations: 2

AM BROADCAST STATION
KIGS, HANFORD, CALIFORNIA
620 kHz Class B 1.0 kW-N&D DA-N-U

* Granfathered RMS from original
 1948 full proof-of-performance.
 See Narrative Statement for further
 discussion

FIGURE 5-B

JULY 2011



FIGURE 5-C (Sheet 1 of 7)

Proposed Nighttime Modified Standard Vertical Plane Patterns (AT ONE KM)

AM Radiation Report

Call: KIGS.P [B]
Freq: 620 kHz
HANFORD, CA, US
Hours: N
Lat: 36-19-34.80 N
Lng: 119-33-58.70 W
Power: 1.0 kW
Theo RMS: 292.90 mV/m @ 1km @ 1.0 kW
of Augmentations: 2

#	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	68.0	0	0	0.0	0.0	0.0	0.0
2	0.870	137.0	100.0	51.0	68.0	0	0	0.0	0.0	0.0	0.0

Augmented Pattern Calculated at 0.0 Degrees Elevation

Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)	Azimuth (Deg)	Field (mV/m @1km)
0.0	95.05	120.0	68.15	240.0	479.84
5.0	121.61	125.0	77.48	245.0	477.27
10.0	146.27	130.0	111.20	250.0	473.43
15.0	168.51	135.0	146.59	255.0	468.15
20.0	188.05	140.0	182.14	260.0	461.23
25.0	204.75	145.0	217.04	265.0	452.46
30.0	218.54	150.0	250.68	270.0	441.61
35.0	229.40	155.0	282.58	275.0	428.47
40.0	237.31	160.0	312.37	280.0	412.85
45.0	242.29	165.0	339.74	285.0	394.61
50.0	244.34	170.0	364.50	290.0	373.65
55.0	243.46	175.0	386.55	295.0	349.96
60.0	239.65	180.0	405.87	300.0	323.62
65.0	232.92	185.0	422.53	305.0	294.77
70.0	223.24	190.0	436.64	310.0	263.67
75.0	210.62	195.0	448.38	315.0	230.67
80.0	195.08	200.0	457.96	320.0	196.21
85.0	176.66	205.0	465.59	325.0	160.84
90.0	155.48	210.0	471.50	330.0	125.27
95.0	131.74	215.0	475.90	335.0	90.55
100.0	105.85	220.0	478.95	340.0	68.03
105.0	78.65	225.0	480.81	345.0	73.77
110.0	66.59	230.0	481.56	350.0	70.72
115.0	72.83	235.0	481.24	355.0	69.50

FIGURE 5-C (Sheet 2 of 7)

Proposed Nighttime Modified Standard Vertical Plane Patterns (AT ONE KM)

Augmented 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	93.64	120.0	68.11	240.0	477.01
5.0	119.96	125.0	77.52	245.0	474.44
10.0	144.40	130.0	110.96	250.0	470.60
15.0	166.46	135.0	146.05	255.0	465.33
20.0	185.84	140.0	181.30	260.0	458.42
25.0	202.42	145.0	215.90	265.0	449.68
30.0	216.11	150.0	249.26	270.0	438.87
35.0	226.89	155.0	280.91	275.0	425.79
40.0	234.74	160.0	310.45	280.0	410.25
45.0	239.68	165.0	337.61	285.0	392.11
50.0	241.72	170.0	362.20	290.0	371.29
55.0	240.85	175.0	384.10	295.0	347.77
60.0	237.07	180.0	403.31	300.0	321.62
65.0	230.38	185.0	419.87	305.0	292.99
70.0	220.77	190.0	433.92	310.0	262.15
75.0	208.24	195.0	445.61	315.0	229.42
80.0	192.82	200.0	455.16	320.0	195.25
85.0	174.54	205.0	462.77	325.0	160.18
90.0	153.53	210.0	468.68	330.0	124.91
95.0	130.00	215.0	473.07	335.0	90.49
100.0	104.34	220.0	476.13	340.0	68.07
105.0	77.41	225.0	477.99	345.0	73.51
110.0	65.79	230.0	478.74	350.0	70.11
115.0	72.45	235.0	478.42	355.0	68.41

Augmented 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	89.50	120.0	67.99	240.0	468.59
5.0	115.07	125.0	77.60	245.0	466.02
10.0	138.88	130.0	110.25	250.0	462.18
15.0	160.40	135.0	144.45	255.0	456.93
20.0	179.32	140.0	178.79	260.0	450.06
25.0	195.52	145.0	212.52	265.0	441.39
30.0	208.91	150.0	245.04	270.0	430.71
35.0	219.45	155.0	275.92	275.0	417.80
40.0	227.14	160.0	304.77	280.0	402.51
45.0	231.98	165.0	331.32	285.0	384.69
50.0	233.97	170.0	355.37	290.0	364.27
55.0	233.12	175.0	376.84	295.0	341.24
60.0	229.42	180.0	395.69	300.0	315.67
65.0	222.87	185.0	411.98	305.0	287.72
70.0	213.47	190.0	425.82	310.0	257.62
75.0	201.22	195.0	437.37	315.0	225.70
80.0	186.14	200.0	446.82	320.0	192.39
85.0	168.29	205.0	454.38	325.0	158.22
90.0	147.79	210.0	460.26	330.0	123.85
95.0	124.85	215.0	464.65	335.0	90.28
100.0	99.88	220.0	467.70	340.0	68.21
105.0	73.79	225.0	469.57	345.0	72.79
110.0	63.49	230.0	470.32	350.0	68.36
115.0	71.36	235.0	470.00	355.0	65.21

FIGURE 5-C (Sheet 3 of 7)

Proposed Nighttime Modified Standard Vertical Plane Patterns (AT ONE KM)

Augmented 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	82.86	120.0	67.82	240.0	454.74
5.0	107.20	125.0	77.69	245.0	452.17
10.0	129.98	130.0	109.04	250.0	448.35
15.0	150.60	135.0	141.80	255.0	443.13
20.0	168.78	140.0	174.68	260.0	436.35
25.0	184.36	145.0	206.98	265.0	427.81
30.0	197.24	150.0	238.15	270.0	417.34
35.0	207.40	155.0	267.77	275.0	404.74
40.0	214.82	160.0	295.48	280.0	389.85
45.0	219.48	165.0	321.03	285.0	372.57
50.0	221.40	170.0	344.22	290.0	352.82
55.0	220.58	175.0	364.97	295.0	330.60
60.0	217.01	180.0	383.23	300.0	305.97
65.0	210.70	185.0	399.06	305.0	279.10
70.0	201.64	190.0	412.56	310.0	250.21
75.0	189.84	195.0	423.87	315.0	219.61
80.0	175.33	200.0	433.16	320.0	187.70
85.0	158.18	205.0	440.62	325.0	154.98
90.0	138.51	210.0	446.44	330.0	122.07
95.0	116.55	215.0	450.80	335.0	89.89
100.0	92.72	220.0	453.85	340.0	68.41
105.0	68.01	225.0	455.72	345.0	71.70
110.0	59.92	230.0	456.47	350.0	65.68
115.0	69.72	235.0	456.15	355.0	60.16

Augmented 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	74.11	120.0	67.65	240.0	435.73
5.0	96.77	125.0	77.72	245.0	433.18
10.0	118.12	130.0	107.31	250.0	429.40
15.0	137.53	135.0	138.12	255.0	424.25
20.0	154.68	140.0	169.04	260.0	417.60
25.0	169.41	145.0	199.42	265.0	409.27
30.0	181.61	150.0	228.77	270.0	399.10
35.0	191.24	155.0	256.70	275.0	386.94
40.0	198.27	160.0	282.88	280.0	372.63
45.0	202.70	165.0	307.06	285.0	356.09
50.0	204.53	170.0	329.08	290.0	337.25
55.0	203.75	175.0	348.83	295.0	316.14
60.0	200.36	180.0	366.29	300.0	292.80
65.0	194.37	185.0	381.48	305.0	267.39
70.0	185.77	190.0	394.48	310.0	240.13
75.0	174.59	195.0	405.44	315.0	211.31
80.0	160.87	200.0	414.48	320.0	181.28
85.0	144.68	205.0	421.78	325.0	150.52
90.0	126.14	210.0	427.51	330.0	119.57
95.0	105.51	215.0	431.82	335.0	89.25
100.0	83.26	220.0	434.85	340.0	68.66
105.0	60.48	225.0	436.71	345.0	70.40
110.0	55.51	230.0	437.46	350.0	62.41
115.0	67.75	235.0	437.14	355.0	53.67

FIGURE 5-C (Sheet 4 of 7)

Proposed Nighttime Modified Standard Vertical Plane Patterns (AT ONE KM)

Augmented 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	63.79	120.0	67.48	240.0	411.97
5.0	84.31	125.0	77.58	245.0	409.46
10.0	103.89	130.0	105.00	250.0	405.74
15.0	121.79	135.0	133.45	255.0	400.72
20.0	137.66	140.0	161.97	260.0	394.26
25.0	151.32	145.0	190.02	265.0	386.22
30.0	162.66	150.0	217.15	270.0	376.47
35.0	171.63	155.0	243.01	275.0	364.87
40.0	178.19	160.0	267.31	280.0	351.31
45.0	182.32	165.0	289.82	285.0	335.71
50.0	184.03	170.0	310.38	290.0	318.03
55.0	183.30	175.0	328.89	295.0	298.28
60.0	180.13	180.0	345.32	300.0	276.54
65.0	174.54	185.0	359.69	305.0	252.93
70.0	166.54	190.0	372.06	310.0	227.67
75.0	156.14	195.0	382.54	315.0	201.00
80.0	143.40	200.0	391.24	320.0	173.28
85.0	128.39	205.0	398.31	325.0	144.88
90.0	111.27	210.0	403.89	330.0	116.33
95.0	92.31	215.0	408.12	335.0	88.29
100.0	72.03	220.0	411.10	340.0	68.88
105.0	51.74	225.0	412.94	345.0	69.04
110.0	50.82	230.0	413.69	350.0	59.00
115.0	65.70	235.0	413.37	355.0	46.34

Augmented 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	52.59	120.0	67.28	240.0	383.96
5.0	70.51	125.0	77.16	245.0	381.51
10.0	87.97	130.0	102.07	250.0	377.91
15.0	104.09	135.0	127.81	255.0	373.06
20.0	118.46	140.0	153.62	260.0	366.88
25.0	130.88	145.0	179.00	265.0	359.23
30.0	141.21	150.0	203.60	270.0	350.02
35.0	149.40	155.0	227.09	275.0	339.13
40.0	155.39	160.0	249.22	280.0	326.47
45.0	159.17	165.0	269.78	285.0	312.00
50.0	160.73	170.0	288.64	290.0	295.68
55.0	160.06	175.0	305.69	295.0	277.54
60.0	157.17	180.0	320.90	300.0	257.64
65.0	152.06	185.0	334.28	305.0	236.12
70.0	144.75	190.0	345.87	310.0	213.14
75.0	135.26	195.0	355.74	315.0	188.95
80.0	123.67	200.0	364.00	320.0	163.84
85.0	110.07	205.0	370.76	325.0	138.16
90.0	94.61	210.0	376.12	330.0	112.33
95.0	77.62	215.0	380.21	335.0	86.92
100.0	59.71	220.0	383.11	340.0	68.99
105.0	42.56	225.0	384.90	345.0	67.72
110.0	46.53	230.0	385.63	350.0	55.88
115.0	63.82	235.0	385.32	355.0	38.99

FIGURE 5-C (Sheet 5 of 7)

Proposed Nighttime Modified Standard Vertical Plane Patterns (AT ONE KM)

Augmented 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	41.43	120.0	66.96	240.0	352.30
5.0	56.17	125.0	76.32	245.0	349.95
10.0	71.19	130.0	98.46	250.0	346.52
15.0	85.29	135.0	121.27	255.0	341.93
20.0	97.96	140.0	144.11	260.0	336.11
25.0	108.97	145.0	166.60	265.0	328.96
30.0	118.16	150.0	188.43	270.0	320.40
35.0	125.46	155.0	209.33	275.0	310.36
40.0	130.82	160.0	229.08	280.0	298.76
45.0	134.20	165.0	247.49	285.0	285.58
50.0	135.60	170.0	264.45	290.0	270.80
55.0	135.00	175.0	279.86	295.0	254.46
60.0	132.41	180.0	293.68	300.0	236.61
65.0	127.84	185.0	305.91	305.0	217.38
70.0	121.31	190.0	316.57	310.0	196.92
75.0	112.87	195.0	325.71	315.0	175.43
80.0	102.58	200.0	333.41	320.0	153.17
85.0	90.55	205.0	339.76	325.0	130.42
90.0	76.98	210.0	344.83	330.0	107.55
95.0	62.24	215.0	348.72	335.0	85.01
100.0	47.15	220.0	351.49	340.0	68.84
105.0	34.00	225.0	353.21	345.0	66.49
110.0	43.31	230.0	353.91	350.0	53.44
115.0	62.22	235.0	353.61	355.0	32.76

Augmented 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	31.56	120.0	66.36	240.0	317.71
5.0	42.30	125.0	74.90	245.0	315.51
10.0	54.48	130.0	94.12	250.0	312.31
15.0	66.31	135.0	113.85	255.0	308.05
20.0	77.11	140.0	133.60	260.0	302.68
25.0	86.57	145.0	153.07	265.0	296.14
30.0	94.52	150.0	172.00	270.0	288.36
35.0	100.85	155.0	190.17	275.0	279.29
40.0	105.51	160.0	207.39	280.0	268.89
45.0	108.46	165.0	223.52	285.0	257.14
50.0	109.67	170.0	238.43	290.0	244.04
55.0	109.15	175.0	252.06	295.0	229.63
60.0	106.90	180.0	264.35	300.0	213.98
65.0	102.92	185.0	275.29	305.0	197.18
70.0	97.25	190.0	284.89	310.0	179.37
75.0	89.94	195.0	293.18	315.0	160.72
80.0	81.07	200.0	300.21	320.0	141.44
85.0	70.77	205.0	306.04	325.0	121.76
90.0	59.30	210.0	310.74	330.0	101.98
95.0	47.14	215.0	314.35	335.0	82.46
100.0	35.48	220.0	316.95	340.0	68.27
105.0	27.54	225.0	318.56	345.0	65.28
110.0	41.57	230.0	319.22	350.0	51.84
115.0	60.90	235.0	318.94	355.0	28.94

FIGURE 5-C (Sheet 6 of 7)

Proposed Nighttime Modified Standard Vertical Plane Patterns (AT ONE KM)

Augmented 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	24.82	120.0	65.30	240.0	280.98
5.0	30.31	125.0	72.75	245.0	278.98
10.0	38.96	130.0	88.99	250.0	276.07
15.0	48.20	135.0	105.60	255.0	272.23
20.0	56.94	140.0	122.23	260.0	267.40
25.0	64.73	145.0	138.65	265.0	261.56
30.0	71.34	150.0	154.64	270.0	254.66
35.0	76.64	155.0	170.03	275.0	246.67
40.0	80.55	160.0	184.67	280.0	237.57
45.0	83.03	165.0	198.43	285.0	227.36
50.0	84.06	170.0	211.22	290.0	216.05
55.0	83.62	175.0	222.97	295.0	203.67
60.0	81.72	180.0	233.62	300.0	190.29
65.0	78.37	185.0	243.17	305.0	175.98
70.0	73.62	190.0	251.60	310.0	160.88
75.0	67.53	195.0	258.93	315.0	145.11
80.0	60.19	200.0	265.19	320.0	128.84
85.0	51.79	205.0	270.42	325.0	112.27
90.0	42.67	210.0	274.65	330.0	95.61
95.0	33.58	215.0	277.93	335.0	79.14
100.0	26.37	220.0	280.29	340.0	67.08
105.0	24.79	225.0	281.76	345.0	63.90
110.0	41.28	230.0	282.37	350.0	50.96
115.0	59.69	235.0	282.11	355.0	28.30

Augmented 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	22.96	120.0	63.55	240.0	242.99
5.0	22.39	125.0	69.72	245.0	241.22
10.0	26.33	130.0	83.00	250.0	238.67
15.0	32.31	135.0	96.57	255.0	235.30
20.0	38.67	140.0	110.16	260.0	231.10
25.0	44.61	145.0	123.58	265.0	226.04
30.0	49.78	150.0	136.68	270.0	220.11
35.0	53.97	155.0	149.33	275.0	213.29
40.0	57.10	160.0	161.40	280.0	205.57
45.0	59.09	165.0	172.80	285.0	196.96
50.0	59.91	170.0	183.44	290.0	187.47
55.0	59.56	175.0	193.26	295.0	177.15
60.0	58.03	180.0	202.23	300.0	166.04
65.0	55.36	185.0	210.31	305.0	154.23
70.0	51.58	190.0	217.49	310.0	141.80
75.0	46.78	195.0	223.78	315.0	128.86
80.0	41.12	200.0	229.18	320.0	115.55
85.0	34.87	205.0	233.72	325.0	102.01
90.0	28.60	210.0	237.42	330.0	88.42
95.0	23.56	215.0	240.30	335.0	74.95
100.0	22.07	220.0	242.38	340.0	65.07
105.0	25.91	225.0	243.68	345.0	62.12
110.0	41.89	230.0	244.21	350.0	50.41
115.0	58.31	235.0	243.98	355.0	30.16

FIGURE 5-C (Sheet 7 of 7)

Proposed Nighttime Modified Standard Vertical Plane Patterns (AT ONE KM)

Augmented 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	25.17	120.0	60.85	240.0	204.64
5.0	20.73	125.0	65.65	245.0	203.14
10.0	19.40	130.0	76.13	250.0	200.98
15.0	20.94	135.0	86.80	255.0	198.15
20.0	24.11	140.0	97.49	260.0	194.64
25.0	27.77	145.0	108.07	265.0	190.43
30.0	31.25	150.0	118.42	270.0	185.52
35.0	34.21	155.0	128.44	275.0	179.90
40.0	36.46	160.0	138.04	280.0	173.59
45.0	37.92	165.0	147.14	285.0	166.59
50.0	38.53	170.0	155.68	290.0	158.92
55.0	38.27	175.0	163.60	295.0	150.62
60.0	37.15	180.0	170.87	300.0	141.74
65.0	35.20	185.0	177.46	305.0	132.33
70.0	32.51	190.0	183.35	310.0	122.47
75.0	29.21	195.0	188.55	315.0	112.24
80.0	25.56	200.0	193.04	320.0	101.74
85.0	22.09	205.0	196.83	325.0	91.09
90.0	19.73	210.0	199.93	330.0	80.39
95.0	19.80	215.0	202.36	335.0	69.78
100.0	23.06	220.0	204.12	340.0	62.05
105.0	29.01	225.0	205.23	345.0	59.61
110.0	42.60	230.0	205.68	350.0	49.67
115.0	56.38	235.0	205.49	355.0	32.92

Augmented 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	28.53	120.0	56.99	240.0	166.87
5.0	23.55	125.0	60.43	245.0	165.66
10.0	19.79	130.0	68.31	250.0	163.93
15.0	17.49	135.0	76.33	255.0	161.66
20.0	16.73	140.0	84.36	260.0	158.86
25.0	17.17	145.0	92.32	265.0	155.52
30.0	18.29	150.0	100.13	270.0	151.65
35.0	19.57	155.0	107.71	275.0	147.24
40.0	20.71	160.0	115.00	280.0	142.32
45.0	21.49	165.0	121.94	285.0	136.89
50.0	21.83	170.0	128.48	290.0	130.97
55.0	21.69	175.0	134.58	295.0	124.60
60.0	21.07	180.0	140.21	300.0	117.82
65.0	20.06	185.0	145.33	305.0	110.66
70.0	18.80	190.0	149.95	310.0	103.19
75.0	17.57	195.0	154.03	315.0	95.47
80.0	16.79	200.0	157.59	320.0	87.56
85.0	17.01	205.0	160.60	325.0	79.55
90.0	18.68	210.0	163.09	330.0	71.51
95.0	21.88	215.0	165.03	335.0	63.54
100.0	26.42	220.0	166.45	340.0	57.82
105.0	31.98	225.0	167.34	345.0	56.08
110.0	42.60	230.0	167.71	350.0	48.14
115.0	53.51	235.0	167.55	355.0	35.13