Proposed KACE 1 kW Daytime Allocation Map

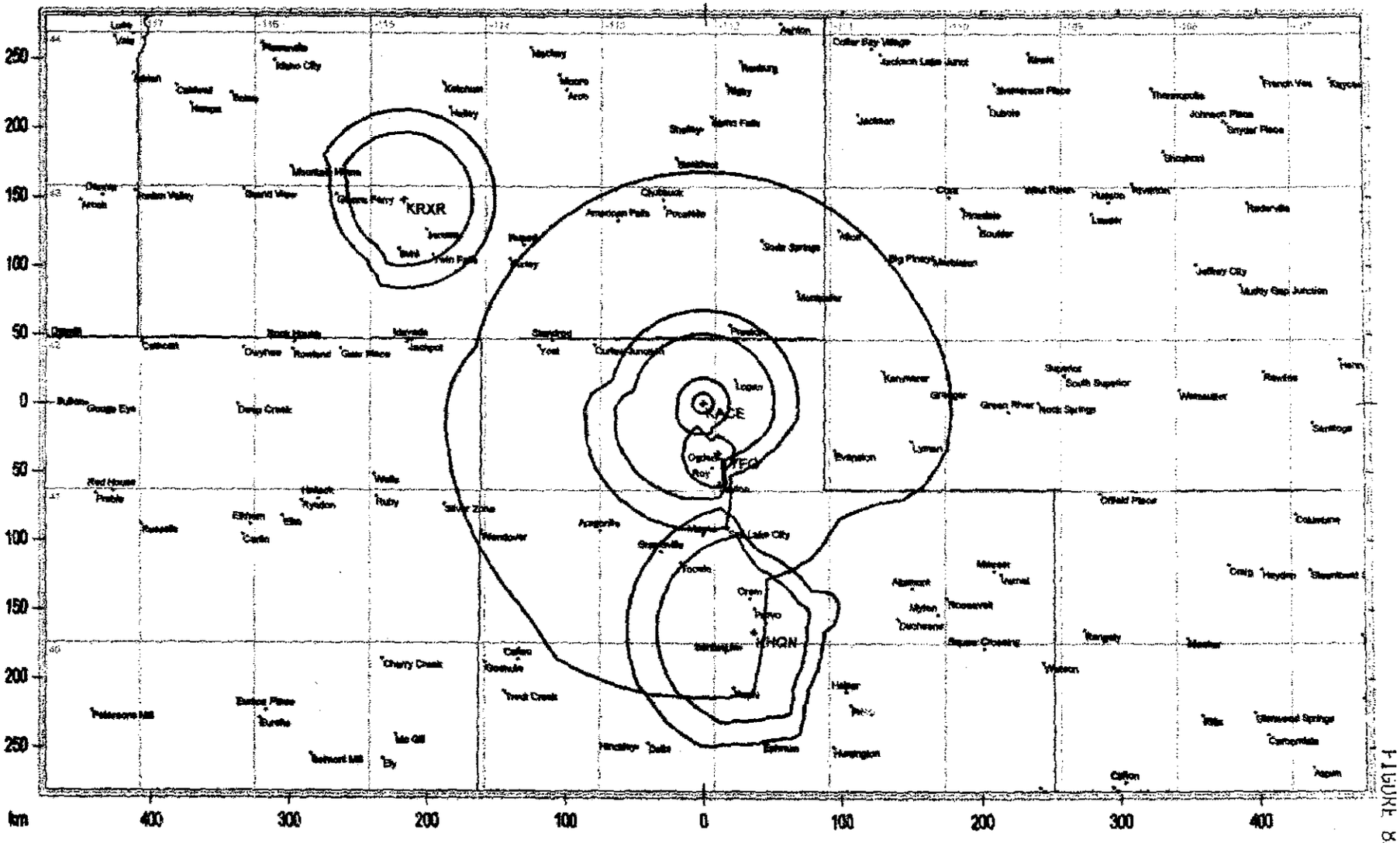
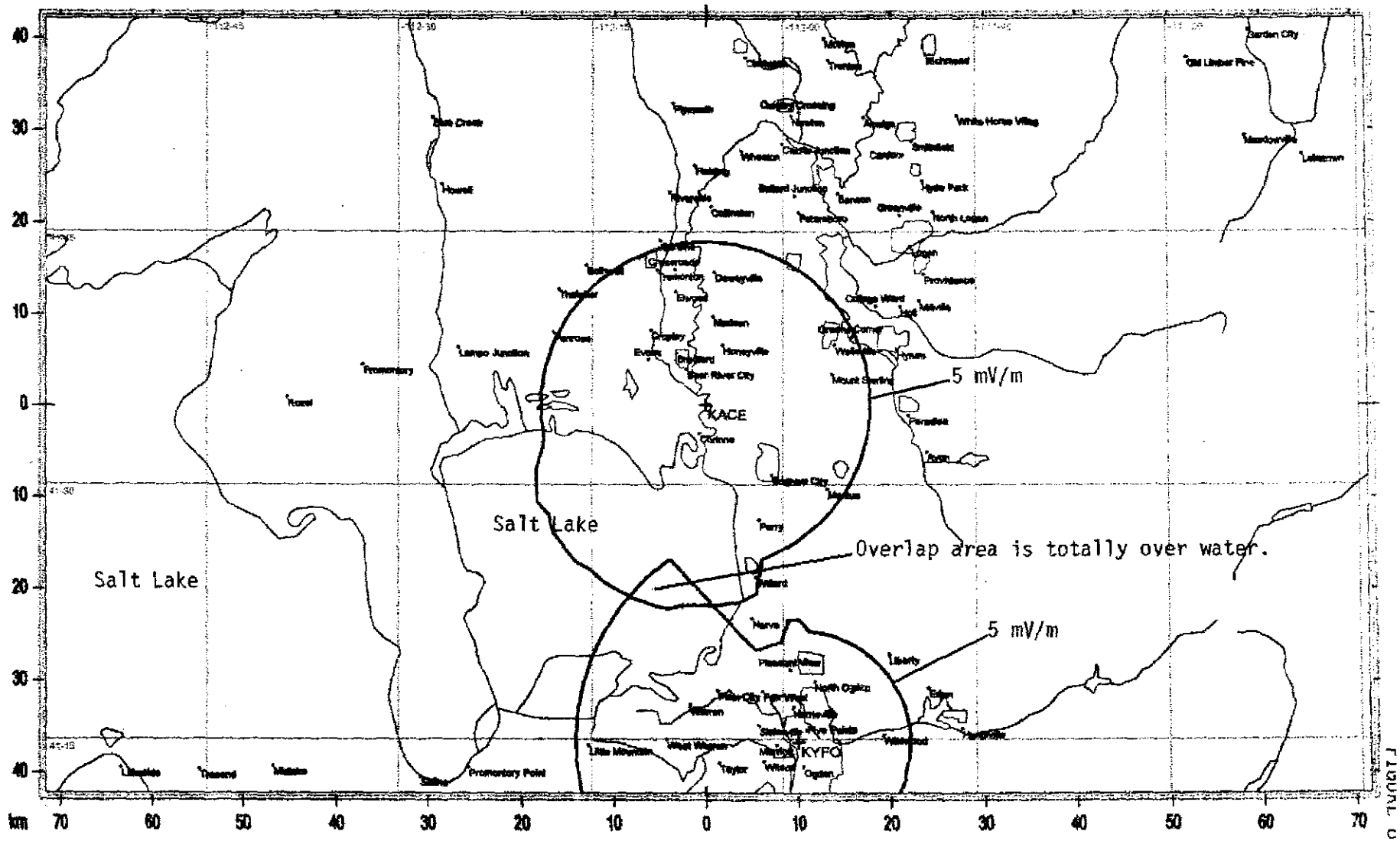


FIGURE 8A

Proposed KACE 1 kW Detailed Daytime Allocation Map



KACE FACILITY DATA.TXT

Callsign : KACE
Coordinates : 41-34-42.0 N, 112-06-03.0 W
Comments :
Frequency (KHz): 1470
Power (W): 1000.000
Pattern : AD
Efficiency : 313.527 mV/M
Desc :
City/State : TREMONTON, UT
ARN :
Licensee :

Tower	Field	Phase	Spcng	Ornt	Hght	TopLd
1	1.000	0.0	0.0	0.0	102.2	0.0

Field Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m
0	313.527	75	313.527	150	313.527	225	313.527	300	313.527
5	313.527	80	313.527	155	313.527	230	313.527	305	313.527
10	313.527	85	313.527	160	313.527	235	313.527	310	313.527
15	313.527	90	313.527	165	313.527	240	313.527	315	313.527
20	313.527	95	313.527	170	313.527	245	313.527	320	313.527
25	313.527	100	313.527	175	313.527	250	313.527	325	313.527
30	313.527	105	313.527	180	313.527	255	313.527	330	313.527
35	313.527	110	313.527	185	313.527	260	313.527	335	313.527
40	313.527	115	313.527	190	313.527	265	313.527	340	313.527
45	313.527	120	313.527	195	313.527	270	313.527	345	313.527
50	313.527	125	313.527	200	313.527	275	313.527	350	313.527
55	313.527	130	313.527	205	313.527	280	313.527	355	313.527
60	313.527	135	313.527	210	313.527	285	313.527		
65	313.527	140	313.527	215	313.527	290	313.527		
70	313.527	145	313.527	220	313.527	295	313.527		

0.0 ohm K : 0.000 1.0 ohm K : 0.000
RMSs : 0.000 RMSt : 0.000
RSS : 0.000

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KACE CONDUCTIVITY TABULATION.TXT

GROUND CONDUCTIVITY REPORT

Lat : 41-34-42.0 N
Lon : 112-06-03.0 W
Radius : 250

0 deg:	249.78,	8.0						
10 deg:	250.04,	8.0						
20 deg:	240.80,	8.0	249.55,	2.0				
30 deg:	184.32,	8.0	250.14,	2.0				
40 deg:	201.75,	8.0	218.65,	15.0	219.10,	2.0	220.24,	15.0
	249.87,	2.0						
50 deg:	179.47,	8.0	240.95,	15.0	250.25,	2.0		
60 deg:	167.03,	8.0	248.63,	15.0	250.27,	2.0		
70 deg:	147.20,	8.0	249.97,	15.0				
80 deg:	127.07,	8.0	249.94,	15.0				
90 deg:	117.21,	8.0	194.86,	15.0	249.67,	8.0		
100 deg:	113.72,	8.0	181.07,	15.0	250.09,	8.0		
110 deg:	51.21,	8.0	70.41,	4.0	117.98,	8.0	180.05,	15.0
	188.56,	8.0	250.16,	2.0				
120 deg:	42.76,	8.0	76.41,	4.0	118.96,	8.0	224.68,	2.0
	250.09,	15.0						
130 deg:	34.79,	8.0	86.66,	4.0	87.79,	2.0	88.32,	4.0
	187.00,	2.0	250.08,	15.0				
140 deg:	30.57,	8.0	119.91,	4.0	120.63,	2.0	121.07,	4.0
	174.74,	2.0	216.41,	15.0	249.98,	4.0		
150 deg:	28.16,	8.0	162.56,	4.0	190.14,	15.0	244.22,	4.0
	249.66,	15.0						
160 deg:	13.12,	8.0	13.36,	15.0	26.10,	8.0	224.85,	4.0
	250.18,	8.0						
170 deg:	9.75,	8.0	216.71,	15.0	218.53,	4.0	222.31,	15.0
	249.51,	8.0						
180 deg:	9.64,	8.0	213.47,	15.0	215.32,	4.0	249.60,	15.0
190 deg:	7.89,	8.0	216.68,	15.0	218.51,	4.0	249.61,	15.0
200 deg:	8.24,	8.0	226.78,	15.0	228.77,	4.0	250.37,	15.0
210 deg:	8.79,	8.0	245.31,	15.0	247.28,	4.0	249.59,	15.0
220 deg:	8.78,	8.0	129.56,	15.0	204.22,	8.0	249.89,	4.0
230 deg:	10.20,	8.0	106.67,	15.0	202.62,	8.0	249.98,	4.0
240 deg:	11.32,	8.0	94.21,	15.0	200.99,	8.0	249.97,	4.0
250 deg:	14.68,	8.0	87.21,	15.0	204.14,	8.0	250.03,	4.0
260 deg:	20.28,	8.0	83.88,	15.0	210.71,	8.0	249.96,	4.0
270 deg:	24.88,	8.0	83.10,	15.0	226.63,	8.0	250.22,	4.0
280 deg:	49.75,	8.0	79.33,	15.0	249.80,	8.0		
290 deg:	249.84,	8.0						
300 deg:	250.15,	8.0						
310 deg:	250.14,	8.0						
320 deg:	249.78,	8.0						
330 deg:	250.07,	8.0						
340 deg:	249.74,	8.0						
350 deg:	250.01,	8.0						

KRXR FACILITY DATA.TXT

Callsign : KRXR
Coordinates : 42-54-54.0 N, 114-42-41.0 W
Comments :
Frequency (KHz): 1480
Power (W): 1000.000
Pattern : LD
Efficiency : 292.900 mV/M
Desc :
City/State : GOODING, ID
ARN :
Licensee : Maria Elena Juarez

Tower	Field	Phase	Spcng	Ornt	Hght	TopLd
1	1.000	0.0	0.0	0.0	81.3	0.0

Field Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m
0	292.900	75	292.900	150	292.900	225	292.900	300	292.900
5	292.900	80	292.900	155	292.900	230	292.900	305	292.900
10	292.900	85	292.900	160	292.900	235	292.900	310	292.900
15	292.900	90	292.900	165	292.900	240	292.900	315	292.900
20	292.900	95	292.900	170	292.900	245	292.900	320	292.900
25	292.900	100	292.900	175	292.900	250	292.900	325	292.900
30	292.900	105	292.900	180	292.900	255	292.900	330	292.900
35	292.900	110	292.900	185	292.900	260	292.900	335	292.900
40	292.900	115	292.900	190	292.900	265	292.900	340	292.900
45	292.900	120	292.900	195	292.900	270	292.900	345	292.900
50	292.900	125	292.900	200	292.900	275	292.900	350	292.900
55	292.900	130	292.900	205	292.900	280	292.900	355	292.900
60	292.900	135	292.900	210	292.900	285	292.900		
65	292.900	140	292.900	215	292.900	290	292.900		
70	292.900	145	292.900	220	292.900	295	292.900		

0.0 ohm K : 0.000
RMSs : 0.000
RSS : 0.000
1.0 ohm K : 0.000
RMSt : 0.000

0

KRXR CONDUCTIVITY TABULATION.TXT

GROUND CONDUCTIVITY REPORT

Lat : 42-54-54.0 N
Lon : 114-42-41.0 W
Radius : 250

0 deg:	117.85,	8.0	250.34,	4.0				
10 deg:	115.05,	8.0	249.65,	4.0				
20 deg:	114.60,	8.0	250.17,	4.0				
30 deg:	118.18,	8.0	249.87,	4.0				
40 deg:	125.38,	8.0	249.60,	4.0				
50 deg:	141.21,	8.0	250.04,	4.0				
60 deg:	250.28,	8.0						
70 deg:	250.03,	8.0						
80 deg:	250.26,	8.0						
90 deg:	250.06,	8.0						
100 deg:	250.01,	8.0						
110 deg:	249.78,	8.0						
120 deg:	250.18,	8.0						
130 deg:	211.14,	8.0	211.66,	15.0	212.79,	8.0	249.52,	15.0
140 deg:	210.99,	8.0	250.08,	15.0				
150 deg:	249.86,	8.0						
160 deg:	249.84,	8.0						
170 deg:	249.88,	8.0						
180 deg:	170.29,	8.0	249.97,	4.0				
190 deg:	127.79,	8.0	249.91,	4.0				
200 deg:	24.53,	8.0	40.09,	4.0	40.32,	8.0	41.19,	4.0
	106.16,	8.0	249.67,	4.0				
210 deg:	18.11,	8.0	56.20,	4.0	87.34,	8.0	249.95,	4.0
220 deg:	16.62,	8.0	250.19,	4.0				
230 deg:	15.09,	8.0	249.66,	4.0				
240 deg:	15.63,	8.0	250.33,	4.0				
250 deg:	15.00,	8.0	249.95,	4.0				
260 deg:	17.75,	8.0	250.19,	4.0				
270 deg:	19.43,	8.0	250.24,	4.0				
280 deg:	23.81,	8.0	249.77,	4.0				
290 deg:	33.58,	8.0	35.17,	4.0	35.80,	8.0	250.20,	4.0
300 deg:	65.92,	8.0	66.97,	4.0	67.55,	8.0	152.53,	4.0
	219.33,	8.0	249.85,	4.0				
310 deg:	179.36,	8.0	249.66,	4.0				
320 deg:	165.65,	8.0	249.72,	4.0				
330 deg:	151.48,	8.0	249.96,	4.0				
340 deg:	137.43,	8.0	250.23,	4.0				
350 deg:	125.35,	8.0	249.68,	4.0				

KHQN FACILITY DATA.TXT

Callsign : KHQN
Coordinates : 40-04-30.0 N, 111-39-42.0 W
Comments :
Frequency (KHz): 1480
Power (W): 1000.000
Pattern : LD
Efficiency : 315.400 mV/M
Desc :
City/State : SPANISH FORK, UT
ARN :
Licensee : Chris Warden

Tower	Field	Phase	Spcng	Ornt	Hght	Topld
1	1.000	0.0	0.0	0.0	102.9	0.0

Field

Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m
0	315.400	75	315.400	150	315.400	225	315.400	300	315.400
5	315.400	80	315.400	155	315.400	230	315.400	305	315.400
10	315.400	85	315.400	160	315.400	235	315.400	310	315.400
15	315.400	90	315.400	165	315.400	240	315.400	315	315.400
20	315.400	95	315.400	170	315.400	245	315.400	320	315.400
25	315.400	100	315.400	175	315.400	250	315.400	325	315.400
30	315.400	105	315.400	180	315.400	255	315.400	330	315.400
35	315.400	110	315.400	185	315.400	260	315.400	335	315.400
40	315.400	115	315.400	190	315.400	265	315.400	340	315.400
45	315.400	120	315.400	195	315.400	270	315.400	345	315.400
50	315.400	125	315.400	200	315.400	275	315.400	350	315.400
55	315.400	130	315.400	205	315.400	280	315.400	355	315.400
60	315.400	135	315.400	210	315.400	285	315.400		
65	315.400	140	315.400	215	315.400	290	315.400		
70	315.400	145	315.400	220	315.400	295	315.400		

0.0 ohm K : 0.000
RMSs : 0.000
RSS : 0.000

1.0 ohm K : 0.000
RMSt : 0.000

KHQN CONDUCTIVITY TABULATION.TXT

GROUND CONDUCTIVITY REPORT

Lat : 40-04-30.0 N
Lon : 111-39-42.0 W
Radius : 250

0 deg:	29.65,	15.0	146.39,	4.0	250.16,	8.0				
10 deg:	19.83,	15.0	158.09,	4.0	250.38,	8.0				
20 deg:	16.84,	15.0	98.73,	4.0	118.29,	2.0	249.96,	8.0		
30 deg:	14.92,	15.0	82.74,	4.0	125.34,	2.0	148.12,	8.0		
	250.33,	15.0								
40 deg:	12.29,	15.0	74.35,	4.0	137.40,	2.0	250.06,	15.0		
50 deg:	11.50,	15.0	71.09,	4.0	158.46,	2.0	172.40,	15.0		
	250.37,	8.0								
60 deg:	11.62,	15.0	39.41,	4.0	53.52,	15.0	54.13,	4.0		
	55.20,	15.0	70.53,	4.0	205.65,	2.0	249.74,	8.0		
70 deg:	11.53,	15.0	34.34,	4.0	154.78,	15.0	156.78,	2.0		
	157.74,	15.0	250.15,	2.0						
80 deg:	11.07,	15.0	37.70,	4.0	214.53,	15.0	250.24,	8.0		
90 deg:	11.63,	15.0	113.73,	4.0	198.84,	15.0	249.91,	8.0		
100 deg:	12.48,	15.0	166.50,	4.0	173.85,	15.0	250.13,	8.0		
110 deg:	13.85,	15.0	193.71,	4.0	232.77,	8.0	249.83,	15.0		
120 deg:	16.70,	15.0	85.44,	4.0	115.72,	15.0	216.17,	4.0		
	249.92,	15.0								
130 deg:	20.52,	15.0	67.42,	4.0	73.08,	8.0	154.19,	15.0		
	155.34,	4.0	155.88,	15.0	156.49,	4.0	157.03,	15.0	180.94,	4.0
	249.95,	15.0								
140 deg:	25.58,	15.0	26.29,	4.0	26.75,	15.0	57.56,	4.0		
	85.82,	8.0	249.79,	15.0						
150 deg:	41.74,	15.0	42.54,	4.0	42.90,	15.0	52.26,	4.0		
	102.49,	8.0	250.18,	15.0						
160 deg:	49.22,	15.0	118.25,	8.0	211.60,	15.0	250.04,	8.0		
170 deg:	47.03,	15.0	49.89,	4.0	145.82,	8.0	186.19,	15.0		
	250.13,	8.0								
180 deg:	46.33,	15.0	48.18,	4.0	51.88,	15.0	250.16,	8.0		
190 deg:	47.05,	15.0	48.88,	4.0	58.38,	15.0	250.16,	8.0		
200 deg:	49.27,	15.0	51.26,	4.0	75.71,	15.0	75.95,	8.0		
	76.83,	15.0	222.47,	8.0	232.18,	15.0	233.29,	30.0	234.17,	15.0
	249.85,	30.0								
210 deg:	53.49,	15.0	55.45,	4.0	250.25,	15.0				
220 deg:	59.99,	15.0	62.78,	4.0	249.88,	15.0				
230 deg:	71.51,	15.0	74.34,	4.0	250.06,	15.0				
240 deg:	91.28,	15.0	95.29,	4.0	250.05,	15.0				
250 deg:	131.85,	15.0	136.51,	4.0	239.93,	15.0	249.96,	4.0		
260 deg:	200.73,	15.0	250.27,	4.0						
270 deg:	156.42,	15.0	250.06,	4.0						
280 deg:	136.75,	15.0	191.08,	8.0	250.38,	4.0				
290 deg:	133.18,	15.0	231.88,	8.0	249.61,	4.0				
300 deg:	139.16,	15.0	249.87,	8.0						
310 deg:	154.64,	15.0	249.94,	8.0						
320 deg:	184.90,	15.0	250.15,	8.0						
330 deg:	212.65,	15.0	250.40,	8.0						
340 deg:	177.72,	15.0	250.01,	8.0						
350 deg:	72.41,	15.0	73.45,	4.0	74.36,	15.0	77.22,	4.0		
	78.13,	15.0	145.89,	4.0	250.41,	8.0				

KYFO FACILITY DATA.TXT

Callsign : KYFO
Coordinates : 41-14-50.0 N, 111-58-46.0 W
Comments :
Frequency (KHz): 1490
Power (W): 1000.000
Pattern : LU
Efficiency : 305.407 mV/M
Desc :
City/State : OGDEN, UT
ARN :
Licensee : +Bible Broadcasting Network

Tower	Field	Phase	Spcng	Ornt	Hght	TopLd
1	1.000	0.0	0.0	0.0	89.4	0.0

Field

Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m	Brng	mV/m
0	305.407	75	305.407	150	305.407	225	305.407	300	305.407
5	305.407	80	305.407	155	305.407	230	305.407	305	305.407
10	305.407	85	305.407	160	305.407	235	305.407	310	305.407
15	305.407	90	305.407	165	305.407	240	305.407	315	305.407
20	305.407	95	305.407	170	305.407	245	305.407	320	305.407
25	305.407	100	305.407	175	305.407	250	305.407	325	305.407
30	305.407	105	305.407	180	305.407	255	305.407	330	305.407
35	305.407	110	305.407	185	305.407	260	305.407	335	305.407
40	305.407	115	305.407	190	305.407	265	305.407	340	305.407
45	305.407	120	305.407	195	305.407	270	305.407	345	305.407
50	305.407	125	305.407	200	305.407	275	305.407	350	305.407
55	305.407	130	305.407	205	305.407	280	305.407	355	305.407
60	305.407	135	305.407	210	305.407	285	305.407		
65	305.407	140	305.407	215	305.407	290	305.407		
70	305.407	145	305.407	220	305.407	295	305.407		

0.0 ohm K : 0.000 1.0 ohm K : 0.000
RMSs : 0.000 RMSt : 0.000
RSS : 0.000

Q

KYFO CONDUCTIVITY TABULATION.TXT

GROUND CONDUCTIVITY REPORT

Lat : 41-14-50.0 N
Lon : 111-58-46.0 W
Radius : 250
* Includes measured conductivity data

0 deg:	4.03,	15.0	13.28,	4.0	249.54,	8.0				
10 deg:	0.48,	15.0	13.51,	4.0	249.77,	8.0				
20 deg:	0.48,	15.0	14.04,	4.0	225.68,	8.0	250.21,	2.0		
30 deg:	0.48,	15.0	16.32,	4.0	223.70,	8.0	249.73,	2.0		
40 deg:	0.48,	15.0	18.28,	4.0	199.02,	8.0	249.55,	15.0		
50 deg:	0.48,	15.0	23.34,	4.0	175.74,	8.0	250.04,	15.0		
60 deg:	0.48,	15.0	31.85,	4.0	138.17,	8.0	250.20,	15.0		
70 deg:	0.48,	15.0	59.41,	4.0	115.30,	8.0	250.31,	15.0		
80 deg:	0.48,	15.0	56.87,	4.0	103.36,	8.0	185.63,	15.0		
	250.08,	8.0								
90 deg:	0.48,	15.0	56.11,	4.0	101.39,	8.0	166.19,	15.0		
	249.86,	8.0								
100 deg:	0.48,	15.0	57.00,	4.0	101.76,	8.0	161.51,	15.0		
	162.37,	8.0	250.29,	2.0						
110 deg:	1.23,	15.0	61.29,	4.0	220.03,	2.0	221.99,	15.0		
	222.33,	2.0	250.32,	15.0						
120 deg:	1.23,	15.0	69.17,	4.0	164.89,	2.0	250.19,	15.0		
130 deg:	1.23,	15.0	88.44,	4.0	144.02,	2.0	223.55,	15.0		
	224.08,	4.0	225.22,	15.0	227.44,	4.0	228.05,	15.0	229.79,	4.0
	230.87,	15.0	249.51,	4.0						
140 deg:	1.88,	15.0	131.73,	4.0	166.42,	15.0	166.86,	4.0		
	167.58,	15.0	249.97,	4.0						
150 deg:	1.88,	15.0	125.83,	4.0	147.99,	15.0	199.76,	4.0		
	249.98,	15.0								
160 deg:	2.69,	15.0	185.60,	4.0	229.04,	8.0	249.54,	15.0		
170 deg:	179.30,	15.0	181.25,	4.0	183.07,	15.0	249.84,	8.0		
180 deg:	176.65,	15.0	178.51,	4.0	204.45,	15.0	249.85,	8.0		
190 deg:	179.29,	15.0	181.24,	4.0	249.84,	15.0				
200 deg:	187.57,	15.0	189.56,	4.0	249.53,	15.0				
210 deg:	203.21,	15.0	205.17,	4.0	249.96,	15.0				
220 deg:	228.44,	15.0	231.23,	4.0	249.94,	15.0				
230 deg:	127.11,	15.0	185.08,	8.0	250.01,	4.0				
240 deg:	107.39,	15.0	189.67,	8.0	250.15,	4.0				
250 deg:	97.88,	15.0	193.99,	8.0	250.28,	4.0				
260 deg:	93.13,	15.0	202.21,	8.0	250.25,	4.0				
270 deg:	92.28,	15.0	217.74,	8.0	249.81,	4.0				
280 deg:	94.25,	15.0	242.36,	8.0	250.03,	4.0				
290 deg:	99.33,	15.0	250.27,	8.0						
300 deg:	101.80,	15.0	250.16,	8.0						
310 deg:	66.68,	15.0	250.01,	8.0						
320 deg:	43.87,	15.0	249.52,	8.0						
330 deg:	11.00,	10.0*	32.00,	2.0*	35.60,	15.0	250.05,	8.0		
340 deg:	11.00,	10.0*	32.00,	2.0*	250.19,	8.0				
350 deg:	11.00,	10.0*	32.00,	2.0*	249.76,	8.0				

INDEPENDENT BROADCAST CONSULTANTS, INC.

110 COUNTY RD. 146, TRUMANSBURG, NY 14886-9721
TEL: (607) 273-2970 • FAX: (607) 273-5125

FIELD INTENSITY MEASUREMENTS

STATION KYFO RADIAL 340°T °T

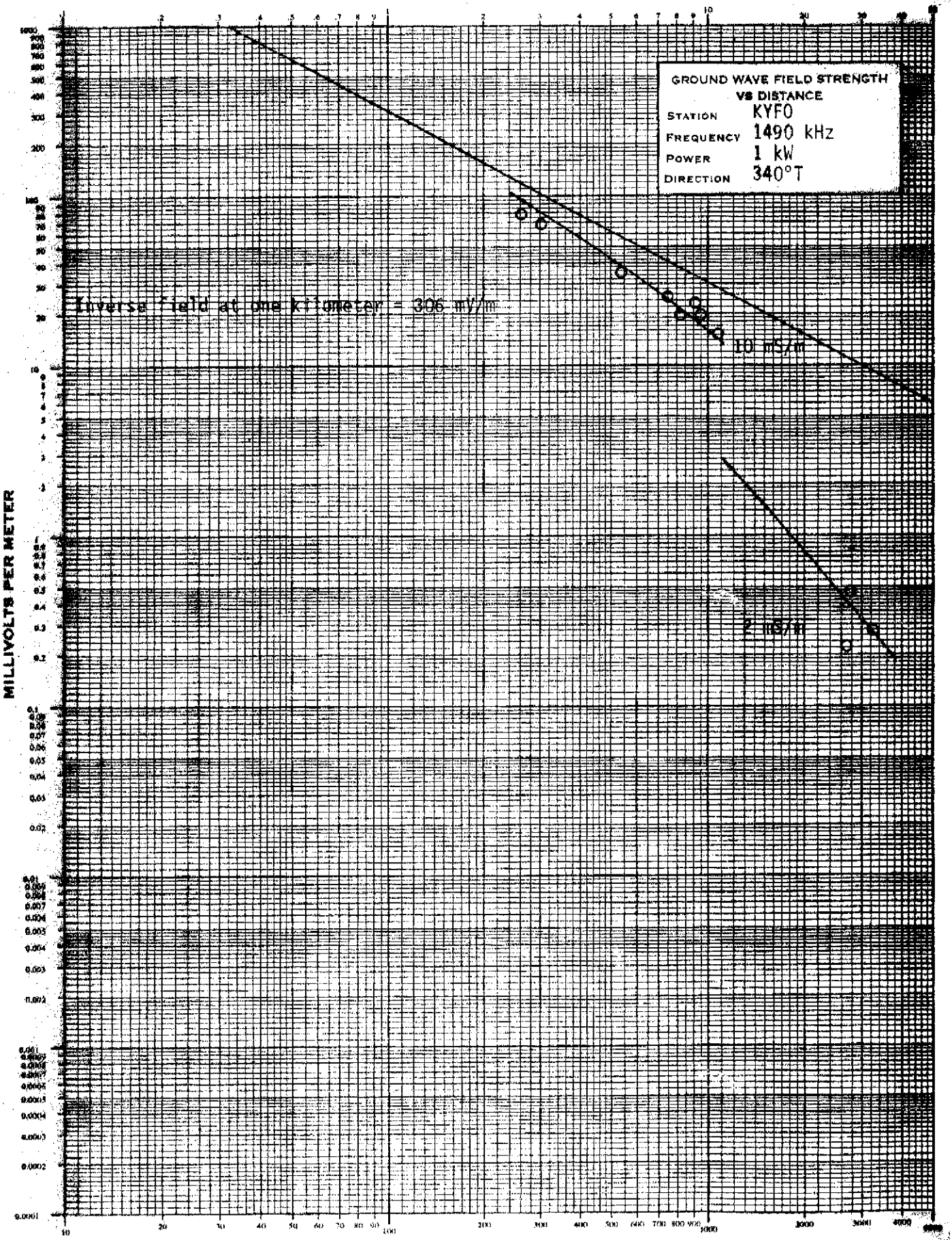
POWER 1 kW NDA POWER DA-DD DA-ND DA-1D

FREQUENCY 1490 KHZ ENGINEER Bill Traue

FIELD INTENSITY METER CAL

FIELD INTENSITY METER CAL

POINT	DIST. KM	NON-DA MV/M	DATE 8/30/04	TIME TEMP	DA MV/M	DATE	TIME TEMP	RATIO DA/N-DA	DIST. MI.	COMMENTS
1	2.62	79.5								
2	3.03	68.5								
3	5.39	34.8								
4	7.48	25.0								
5	8.22	19.4								
6	9.04	23.0								
7	9.54	19.3								
8	10.81	15.0								
9	27.04	0.22								
10	27.68	0.47								
11	32.51	0.275								


KILOMETERS FROM ANTENNA
MILLIVOLTS PER METER
GROUND WAVE FIELD STRENGTH
VS DISTANCE
STATION KYFO
FREQUENCY 1490 kHz
POWER 1 kW
DIRECTION 340°T
Inverse field at one kilometer = 306 mV/m
10 mS/m
2 mS/m