MARCH 2002

PROPOSED KTXV
JEFFREY N. EUSTIS
890 kHz 2 kW/0.008 kW DA-2
FRANKSTON, TEXAS

STANDARD PATTERN TABULATION

Twr.No.	Field	Phasing	Spacing	Azimuth	Height
1	1.000	+0.0	0.0	0.0	63.5
2	0.400	+12.0	255.0	24.0	63.5
3	0.280	+136.0	254.4	4.8	63.5
4	0.700	+124.0	85.0	284.0	63.5
5	0.420	+131.0	273.3	273.3	63.5
6	0.600	+7.0	240.0	208.0	63.5

Theo. RMS= 25.15 mV/m/km RSS= 33.33 Q= 10.00

STANDARD HORIZONTAL PLANE PATTERN

Azimuth	mV/m/km	Azimuth	mV/m/km
0	20.8	180	20.1
5	24.0	185	18.4
10	27.9	190	16.4
15	31.5	195	14.7
20	34.1	200	14.1
25	35.5	205	14.8
30	35.4	210	16.2
35	33.8	215	17.5
40	31.0	220	18.2
45	27.2	225	18.0
50	22.8	230	16.9
55	18.5	235	15.1
60	14.9	240	13.0
65	12.7	245	11.3
70	11.7	250	10.6
75	11.2	255	10.8
80	11.0	260	11.6
85	12.5	265	12.7
90	17.6	270	14.6
95	26.0	275	17.8
100	35.9	280	22.5
105	45.8	285	27.9
110	53.9	290	32.9
115	59.1	295	36.6
120	60.9	300	38.2
125	59.2	305	37.6
130	54.7	310	35.2
135	48.3	315	31.7
140	41.0	320	28.1
145	34.1	325	25.4
150	28.3	330	23.8
155	24.2	335	22.7
160	22.1	340	21.6
165	21.4	345	20.3
170	21.4	350	19.2
175	21.1	355	19.1

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Standard Vertical Pattern
(mV/m at one kilometer)

Azimuth	VA= 35	VA= 40	VA= 45	VA= 50	VA= 55	VA= 60
0	14.5	13.0	11.3	9.3	7.3	5.7
5	14.5	12.8	11.1	9.3	7.5	6.0
10	14.9	12.8	10.9	9.2	7.6	6.3
15	15.6	13.0	10.9	9.2	7.7	6.6
20	16.1	13.2	10.9	9.1	7.8	6.9
25	16.4	13.3	10.9	9.1	8.0	7.2
30	16.3	13.2	10.8	9.2	8.2	7.6
35	15.8	12.9	10.7	9.2	8.4	8.0
40	14.9	12.4	10.5	9.3	8.7	8.6
45	13.8	11.8	10.4	9.5	9.1	9.2
50	12.8	11.3	10.3	9.8	9.7	9.9
55	11.9	11.0	10.4	10.2	10.4	10.7
60	11.4	10.9	10.7	10.9	11.4	11.8
65	11.2	11.1	11.3	11.9	12.6	13.0
70	11.3	11.7	12.4	13.3	14.1	14.4
75	12.0	12.9	14.1	15.2	16.0	16.0
80	13.9	15.2	16.6	17.7	18.2	17.8
85	17.3	18.7	19.9	20.7	20.6	19.7
90	22.2	23.3	23.9	24.0	23.3	21.7
95	28.2	28.5	28.3	27.6	26.0	23.6
100	34.6	33.9	32.8	31.1	28.7	25.5
105	40.7	39.0	37.0	34.3	31.1	27.2
110	45.7	43.3	40.4	37.0	33.1	28.5
115	49.3	46.3	42.9	39.0	34.5	29.5
120	51.0	47.9	44.2	40.0	35.3	30.1
125	50.8	47.9	44.3	40.2	35.4	30.2
130	48.9	46.4	43.2	39.4	34.9	29.9
135	45.5	43.6	41.0	37.8	33.8	29.1
140	41.1	39.9	38.1	35.5	32.1	28.0
145	36.2	35.7	34.6	32.7	30.1	26.6
150	31.4	31.4	30.9	29.7	27.7	24.9
155	27.0	27.3	27.3	26.6	25.3	23.1
160	23.4	23.7	23.9	23.7	22.8	21.3
165	20.7	20.8	21.0	21.0	20.5	19.4
170	19.0	18.7	18.7	18.6	18.4	17.7
175	17.9	17.3	16.9	16.7	16.5	16.0

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Standard Vertical Pattern
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Azimuth	VA= 5	VA= 10	VA= 15	VA= 20	VA= 25	VA= 30
180	20.1	19.9	19.6	19.2	18.7	18.0
185	18.4	18.4	18.3	18.2	17.9	17.4
190	16.4	16.5	16.7	16.9	17.0	16.7
195	14.8	15.0	15.4	15.8	16.1	16.1
200	14.2	14.4	14.8	15.2	15.5	15.6
205	14.8	14.9	15.1	15.3	15.4	15.3
210	16.1	16.0	15.9	15.7	15.5	15.1
215	17.4	17.1	16.7	16.2	15.6	14.9
220	18.0	17.6	17.0	16.3	15.5	14.5
225	17.8	17.4	16.7	15.8	14.9	13.8
230	16.7	16.3	15.6	14.8	13.8	12.8
235	15.0	14.6	14.0	13.3	12.5	11.5
240	12.9	12.7	12.2	11.7	11.0	10.2
245	11.3	11.1	10.8	10.4	9.9	9.2
250	10.5	10.4	10.1	9.8	9.3	8.9
255	10.7	10.6	10.3	10.0	9.7	9.3
260	11.6	11.4	11.2	10.9	10.7	10.5
265	12.7	12.6	12.6	12.5	12.5	12.5
270	14.6	14.7	14.8	14.9	15.1	15.1
275	17.8	18.0	18.2	18.3	18.4	18.3
280	22.5	22.6	22.6	22.6	22.4	21.8
285	27.8	27.7	27.5	27.1	26.4	25.3
290	32.8	32.5	31.9	31.0	29.8	28.2
295	36.4	35.9	35.1	33.8	32.2	30.1
300	38.0	37.4	36.4	34.9	33.0	30.7
305	37.4	36.8	35.8	34.3	32.4	30.0
310	35.0	34.4	33.5	32.2	30.4	28.1
315	31.5	31.1	30.3	29.2	27.6	25.6
320	28.0	27.7	27.0	26.1	24.8	23.0
325	25.3	25.0	24.5	23.6	22.4	20.9
330	23.7	23.4	22.8	22.0	20.9	19.4
335	22.6	22.3	21.8	21.1	20.0	18.6
340	21.6	21.3	20.9	20.2	19.3	18.0
345	20.3	20.1	19.8	19.3	18.5	17.4
350	19.1	19.0	18.7	18.3	17.6	16.7
355	19.0	18.8	18.3	17.8	17.0	16.1

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Azimuth	VA= 5	VA= 10	VA= 15	VA= 20	VA= 25	VA= 30
0	20.6	20.1	19.3	18.3	17.2	15.9
5	23.7	22.9	21.6	20.0	18.2	16.3
10	27.5	26.4	24.7	22.4	19.9	17.4
15	31.0	29.7	27.6	24.9	21.8	18.6
20	33.6	32.2	29.8	26.8	23.2	19.6
25	35.0	33.4	31.0	27.7	24.0	20.1
30	34.9	33.3	30.9	27.7	23.9	20.0
35	33.3	31.9	29.5	26.5	23.0	19.3
40	30.6	29.2	27.1	24.3	21.2	18.0
45	26.8	25.7	23.8	21.5	18.9	16.3
50	22.5	21.6	20.2	18.4	16.5	14.5
55	18.3	17.6	16.7	15.5	14.3	13.0
60	14.8	14.4	13.9	13.3	12.7	12.0
65	12.6	12.5	12.3	12.0	11.8	11.4
70	11.7	11.6	11.5	11.4	11.3	11.2
75	11.2	11.2	11.1	11.1	11.1	11.4
80	11.0	11.0	11.1	11.4	11.9	12.7
85	12.5	12.7	13.1	13.7	14.7	15.9
90	17.7	17.9	18.4	19.1	20.0	21.1
95	26.0	26.1	26.4	26.7	27.2	27.7
100	35.9	35.8	35.6	35.5	35.3	35.0
105	45.6	45.3	44.7	44.0	43.0	42.0
110	53.7	53.1	52.2	51.0	49.5	47.8
115	58.9	58.3	57.2	55.8	54.0	51.8
120	60.7	60.1	59.1	57.7	55.9	53.7
125	59.1	58.6	57.8	56.7	55.2	53.2
130	54.6	54.4	53.9	53.2	52.2	50.8
135	48.3	48.2	48.2	48.0	47.5	46.7
140	41.1	41.3	41.5	41.8	41.8	41.7
145	34.2	34.5	34.9	35.4	35.9	36.2
150	28.4	28.7	29.2	29.8	30.4	31.0
155	24.3	24.5	24.8	25.3	25.8	26.4
160	22.1	22.1	22.2	22.4	22.6	23.0
165	21.4	21.3	21.1	20.9	20.7	20.6
170	21.3	21.1	20.7	20.2	19.8	19.3
175	21.0	20.7	20.3	19.8	19.2	18.6

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Azimuth	VA= 5	VA= 10	VA= 15	VA= 20	VA= 25	VA= 30
180	20.1	19.9	19.6	19.2	18.7	18.0
185	18.4	18.4	18.3	18.2	17.9	17.4
190	16.4	16.5	16.7	16.9	17.0	16.7
195	14.8	15.0	15.4	15.8	16.1	16.1
200	14.2	14.4	14.8	15.2	15.5	15.6
205	14.8	14.9	15.1	15.3	15.4	15.3
210	16.1	16.0	15.9	15.7	15.5	15.1
215	17.4	17.1	16.7	16.2	15.6	14.9
220	18.0	17.6	17.0	16.3	15.5	14.5
225	17.8	17.4	16.7	15.8	14.9	13.8
230	16.7	16.3	15.6	14.8	13.8	12.8
235	15.0	14.6	14.0	13.3	12.5	11.5
240	12.9	12.7	12.2	11.7	11.0	10.2
245	11.3	11.1	10.8	10.4	9.9	9.2
250	10.5	10.4	10.1	9.8	9.3	8.9
255	10.7	10.6	10.3	10.0	9.7	9.3
260	11.6	11.4	11.2	10.9	10.7	10.5
265	12.7	12.6	12.6	12.5	12.5	12.5
270	14.6	14.7	14.8	14.9	15.1	15.1
275	17.8	18.0	18.2	18.3	18.4	18.3
280	22.5	22.6	22.6	22.6	22.4	21.8
285	27.8	27.7	27.5	27.1	26.4	25.3
290	32.8	32.5	31.9	31.0	29.8	28.2
295	36.4	35.9	35.1	33.8	32.2	30.1
300	38.0	37.4	36.4	34.9	33.0	30.7
305	37.4	36.8	35.8	34.3	32.4	30.0
310	35.0	34.4	33.5	32.2	30.4	28.1
315	31.5	31.1	30.3	29.2	27.6	25.6
320	28.0	27.7	27.0	26.1	24.8	23.0
325	25.3	25.0	24.5	23.6	22.4	20.9
330	23.7	23.4	22.8	22.0	20.9	19.4
335	22.6	22.3	21.8	21.1	20.0	18.6
340	21.6	21.3	20.9	20.2	19.3	18.0
345	20.3	20.1	19.8	19.3	18.5	17.4
350	19.1	19.0	18.7	18.3	17.6	16.7
355	19.0	18.8	18.3	17.8	17.0	16.1