

K44FI

REFERENCE
33 54 04 N LPTV Pwr = 4.5 kW, HAMSL COR= 466 M DISPLAY DATES
98 32 21 W DATA 12-21-02
SEARCH 12-23-02
..... Channel 44-, 650 MHz

Call	Channel	Location	Dist	Azi	FCC	Margin
N. Lat.	W. Lng.	Power	HAAT			
ALDKTD AL 34 36 42 Barton W. Ratliff	45Z Lawton 98 24 42	AN 5000.000 kW	OK 79.69	8.4 600 M	> 118.60	-38.91
K44GN* CP 34 36 27 Douglas Sheldahl	44Z Lawton 98 16 27	XN 2.500 kW BNPTTL20000831BAI	OK 82.07	17.2 179 M	> 068.03	14.04
K59FJ* AP 33 39 01 Ms Communications, Llc	44- Sherman 96 36 33	XN 105.000 kW BPTTL20020726AAQ	TX 180.93	98.3 49 M	> 148.24	32.69
K44AP* CP 35 21 25 Northfork Tv Translator Sy	44N Elk City, Etc. 99 16 08	XN 9.700 kW BPTT20010625ABC	OK 174.81	337.8 132 M	> 124.74	50.07
KWKT* LI 31 18 52 Comcorp Of Texas License C	44- Waco 97 19 37	DVY 569.046 kW BLCT19880322KI	TX 308.59	158.1 544 M	> 274.34	55.57
K44AP* LI 35 21 25 Northfork Tv Translator Sy	44N Elk City, Etc. 99 16 08	DXN 0.472 kW BLTT19841025IA	OK 174.81	337.8 132 M	> 117.31	59.02
K44BQ* LI 34 26 29 Trinity Broadcasting Netwo	44+ Ardmore 97 13 36	DXN 6.683 kW BLTT19900823II	OK 135.04	63.2 141 M	> 086.49	59.50
KTPX* LI 35 50 02 Paxson Tulsa License, Inc.	44- Okmulgee 96 07 28	DVY 746.468 kW BLCT19970630KF	OK 307.77	45.0 265 M	> 258.63	63.14
AP085* AP 34 35 31 Laurie Mintz	45N Lawton 98 32 56	DXN 0.004 kW BNPTTL20000807ABD	OK 76.64	359.3 98 M	> 019.58	69.67
NEW* AP 32 33 59 Ibg, Inc.	44+ Ranger 98 38 33	XN 10.000 kW BNPTTL20000831CCT	TX 148.35	183.7 170 M	> 072.13	76.22
KMPX AP 32 35 19 Word Of God Fellowship, In	29Z Decatur 96 58 05	DVY 5000.000 kW BPCT20021015AAA	TX 206.47	134.5 527 M	> 123.30	83.17

* Actual radials antenna height and directional patterns used (if any)

Doug Vernier Telecommunications Consultants
K44FI, North Texas Public Broadcasting
ERP = 4.5 kW
Channel = 44-

Azimuth Deg. T.	Ave. Elev. 3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dBk)	F(50-10) Distance to 46 dBu Contour km
0	311.2	154.8	3.309	52.28
10	309.7	156.3	3.917	53.49
20	306.8	159.2	4.485	54.76
30	303.0	163.0	5.121	56.23
40	298.7	167.3	5.520	57.32
50	286.9	179.1	5.902	58.98
60	281.7	184.3	6.178	59.91
70	288.1	177.9	6.357	59.76
80	295.8	170.2	6.445	59.30
90	297.1	168.9	6.532	59.37
100	296.3	169.7	6.445	59.26
110	294.2	171.8	6.445	59.44
120	291.2	174.8	6.268	59.33
130	297.7	168.3	5.995	58.29
140	295.4	170.6	5.713	57.95
150	293.7	172.3	5.121	56.98
160	298.5	167.5	4.374	55.24
170	301.9	164.1	3.799	53.94
180	302.1	163.9	3.182	52.83
190	303.7	162.3	2.923	52.23
200	304.2	161.8	2.790	51.96
210	304.5	161.5	2.790	51.94
220	305.0	161.0	2.923	52.13
230	308.5	157.5	3.182	52.29
240	311.7	154.3	3.309	52.23
250	311.9	154.1	3.434	52.44
260	305.0	161.0	3.557	53.25
270	291.3	174.7	3.679	54.57
280	294.7	171.3	3.434	53.87
290	300.1	165.9	3.309	53.21
300	307.1	158.9	3.054	52.18
310	307.6	158.4	2.790	51.67
320	310.0	156.0	2.656	51.23
330	313.5	152.5	2.656	50.91
340	311.8	154.2	2.790	51.30
350	313.9	152.1	2.923	51.35
Ave. =	301.5 M	164.5 M		

Antenna Radiation Center AMSL = 466
NGDC 03 Arc Sec.

Geographic Coordinates:

N. Lat. 33 54 04
W. Lng. 98 32 21

Doug Vernier Telecommunications Consultants
K44FI , North Texas Public B/cing. I , BLTT19810119IB
ERP = 4.5 kW
Channel = 44-

Azimuth Deg. T.	Ave. Elev. 3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dBk)	F(50-10) Distance to 29 dBu Contour km
0	311.2	154.8	3.309	111.04
10	309.7	156.3	3.917	114.42
20	306.8	159.2	4.485	117.76
30	303.0	163.0	5.121	121.59
40	298.7	167.3	5.520	124.28
50	286.9	179.1	5.902	127.81
60	281.7	184.3	6.178	129.85
70	288.1	177.9	6.357	130.11
80	295.8	170.2	6.445	129.60
90	297.1	168.9	6.532	129.90
100	296.3	169.7	6.445	129.54
110	294.2	171.8	6.445	129.82
120	291.2	174.8	6.268	129.25
130	297.7	168.3	5.995	126.93
140	295.4	170.6	5.713	125.74
150	293.7	172.3	5.121	122.80
160	298.5	167.5	4.374	118.24
170	301.9	164.1	3.799	114.78
180	302.1	163.9	3.182	111.49
190	303.7	162.3	2.923	109.92
200	304.2	161.8	2.790	109.17
210	304.5	161.5	2.790	109.13
220	305.0	161.0	2.923	109.77
230	308.5	157.5	3.182	110.71
240	311.7	154.3	3.309	110.97
250	311.9	154.1	3.434	111.61
260	305.0	161.0	3.557	113.12
270	291.3	174.7	3.679	115.40
280	294.7	171.3	3.434	113.70
290	300.1	165.9	3.309	112.39
300	307.1	158.9	3.054	110.20
310	307.6	158.4	2.790	108.76
320	310.0	156.0	2.656	107.76
330	313.5	152.5	2.656	107.32
340	311.8	154.2	2.790	108.24
350	313.9	152.1	2.923	108.67
Ave. =	301.5 M	164.5 M		

Antenna Radiation Center AMSL = 466 M
NGDC 03 Arc Sec.

Geographic Coordinates:

N. Lat. 33 54 04
W. Lng. 98 32 21

K44FI

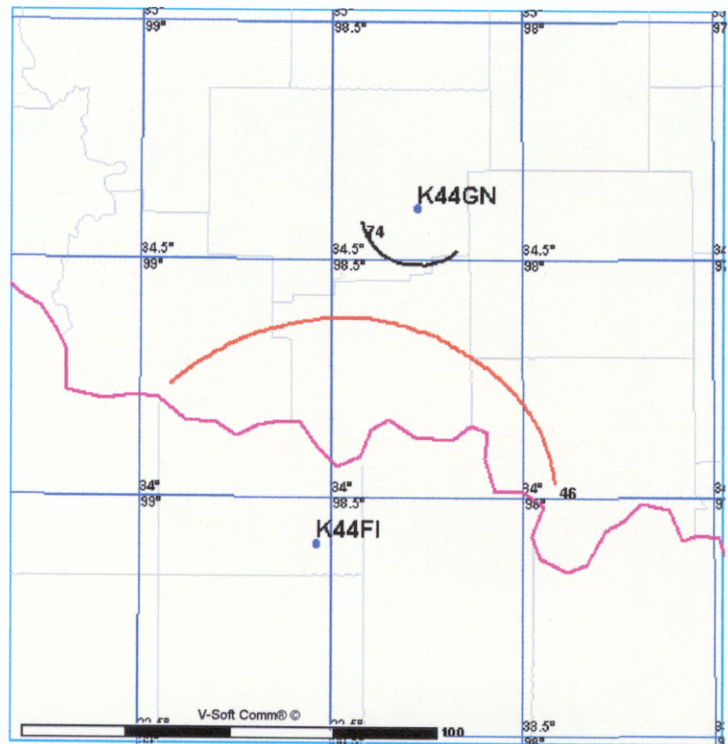
SearchTV Allocation Study

12-23-2002

K44FI CH 44 T
4.5 kW 466M COR DA
Intef. = 46 dBu

K44GN CH 44Z T
2.5kW, 515 M COR
Prot. = 74 dBu

1:1,562,500



Doug Vernier Telecommunications Consultants
K44GN , Douglas Sheldahl , BNPTTL20000831BA

ERP = 2.5 kw
Channel = 44Z

Azimuth Deg.T.	Ave. Elev. 3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dBk)	F(50-50) Distance to 74 dBu Contour km
170	334.7	180.3	3.979	13.66
175	337.6	177.4	3.979	13.54
180	340.5	174.5	3.979	13.43
185	342.6	172.4	3.979	13.35
190	339.7	175.3	3.979	13.46
195	337.0	178.0	3.979	13.57
200	334.1	180.9	3.979	13.68
205	334.5	180.5	3.979	13.66
210	335.5	179.5	3.979	13.62
215	332.5	182.5	3.979	13.73
220	330.9	184.1	3.979	13.79
225	329.4	185.6	3.979	13.84
230	330.3	184.7	3.979	13.81
235	332.1	182.9	3.979	13.75
240	332.6	182.4	3.979	13.73
245	332.6	182.4	3.979	13.73
250	334.8	180.2	3.979	13.65
255	337.6	177.4	3.979	13.54
260	338.3	176.7	3.979	13.52
265	339.2	175.8	3.979	13.48
270	342.8	172.2	3.979	13.35
275	344.8	170.2	3.979	13.27
280	347.5	167.5	3.979	13.16
<hr/>				
Ave. =	336.6 M	178.4 M		

Antenna Radiation Center AMSL =515 M
NGDC 03 Arc Sec.

Geographic Coordinates:

N. Lat. 34 36 27
W. Lng. 98 16 27

K44FI & K59FJ

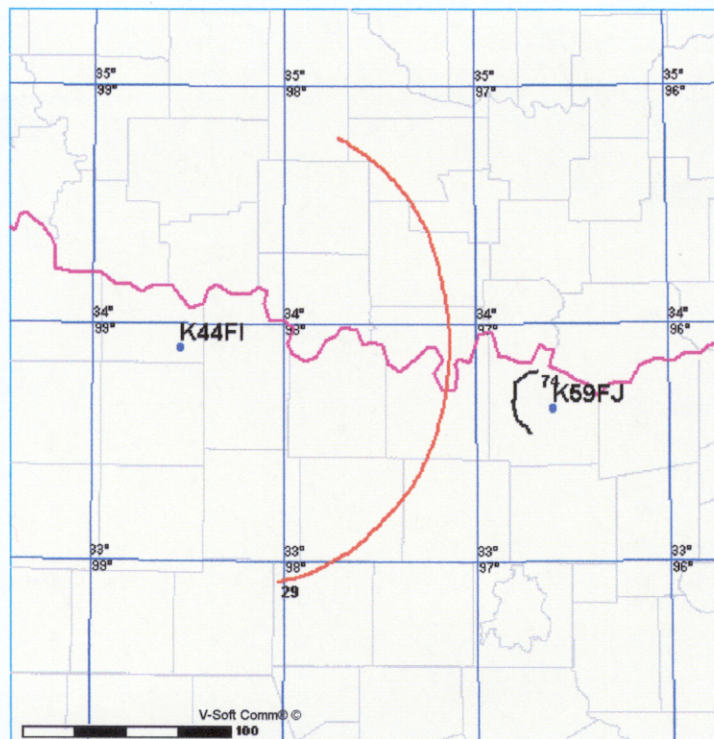
SearchTV Allocation Study

12-23-2002

K44FI CH 44 T
4.5 kW 466M COR DA
Intef. = 29 dBu

K59FJ CH 44- T
105kW, 281 M COR
Prot. = 74 dBu

1:3,125,000



Doug Vernier Telecommunications Consultants
K59FJ , Ms Communications, Llc , BPTTL20020726AAQ
ERP = 105 kw
Channel = 44-

Azimuth Deg.T.	Ave. Elev. 3 to 16 km Meters AMSL	Effective Antenna Height Meters AAT	ERP (dbk)	F(50-50) Distance to 74 dBu Contour km
205	236.5	44.5	20.212	17.74
210	237.3	43.7	20.212	17.53
215	242.1	38.9	20.212	16.26
220	243.5	37.5	20.212	15.89
225	243.2	37.8	20.212	15.97
230	245.5	35.5	20.212	15.38
235	243.0	38.0	20.212	16.01
240	240.9	40.1	20.212	16.59
245	238.9	42.1	20.212	17.11
250	236.0	45.0	20.212	17.85
255	236.1	44.9	20.212	17.83
260	236.0	45.0	20.212	17.86
265	233.8	47.2	20.212	18.40
270	235.1	45.9	20.212	18.08
275	231.7	49.3	20.212	18.90
280	233.6	47.4	20.212	18.45
285	235.6	45.4	20.212	17.96
290	233.4	47.6	20.212	18.50
295	229.7	51.3	20.212	19.33
300	223.2	57.8	20.212	20.64
305	225.0	56.0	20.212	20.31
310	226.9	54.1	20.212	19.94
315	228.6	52.4	20.212	19.58
<hr/>				
Ave. =	235.5 M	45.5 M		

Antenna Radiation Center AMSL =281 M
NGDC 03 Arc Sec.

Geographic Coordinates:

N. Lat. 33 39 01
W. Lng. 96 36 33