KHCC-FM Minor Change

REFERENCE CH# 211C0 - 90.1 MHz, Pwr= 100 kW, HAAT=320.3 M, COR= 780 M DISPLAY DATES
37 54 49 N. Average Protected F(50-50)= 73.9 km DATA 07-21-05
97 54 02 W. Ave. F(50-10) 40 dBu= 174.3 54 dBu= 107.2 80 dBu= 34.9 100 dBu= 10.4 SEARCH 07-21-05

CH CALL / CITY	TYPE / STATE	AZI. <-- / FILE #	DIST / LAT. / LNG.	Pwr(kW) / HAAT(M)	COR(M) / INT(km)	PRO(km) / LICENSEE	*IN* / *OUT* (Overlap in km)
211C KHCCFM Hutchinson	LIC C KS	36.2 216.2	20.32 BMLED19990831AAC	38 03 40 97 45 49	100.000 321	776 174.5	74.0 Hutchinson Community Colle	-228.29*< 	-228.41*<
214C2 KYWA Wichita	LIC DEN KS	140.9 321.3	78.39 BLED19910627KA	37 21 53 97 20 30	23.183 98	478 3.9	38.1 Way-fm Media Group, Inc.	0.36	29.84
211C1 KCSC Edmond	LIC CN OK	171.8 352.0	262.33 BLED19980428KC	35 34 24 97 29 08	100.000 260	605 168.3	69.1 The University Of Central	18.90	16.73
209A KBDA.C Great Bend	CP CX KS	302.3 121.7	89.11 BPED20041104ASF	38 20 16 98 45 48	4.500 41	605 1.8	17.2 American Family Associatio	14.48	61.71
209A KBDA Great Bend	LIC CN KS	302.3 121.7	89.11 BLED19990212KB	38 20 16 98 45 48	0.250 41	605 1.1	8.3 American Family Associatio	15.12	70.59
209A KBDA.A Great Bend	APP CX KS	302.3 121.7	89.11 BMPED20050519AEI	38 20 16 98 45 48	1.400 41	605 1.6	12.7 American Family Associatio	14.62	66.16
210C1 KAIG.C Dodge City	CP VX KS	271.3 89.8	212.50 BPED19990628ME	37 55 56 100 19 02	45.000 208	1000 84.3	57.1 Educational Media Foundati	54.85	49.10
212C2 KBUZ Topeka	LIC CN KS	52.4 233.6	201.96 BLED19930927KB	39 00 19 96 02 58	11.000 201	603 64.9	44.0 American Family Associatio	62.75	50.11
208C1 KHCD Salina	LIC CN KS	18.5 198.8	139.56 BLED19880229KF	39 06 16 97 23 15	100.000 286	679 9.9	71.3 Hutchinson Community Colle	55.86	57.87
213A KBMP Enterprise	LIC CX KS	32.4 212.9	130.25 BLED20020306ABB	38 54 03 97 05 40	0.250 46	419 1.1	8.9 American Family Associatio	55.03	110.87
213C2 KBMP.C Enterprise	CP CX KS	17.2 197.5	145.85 BPED20021231AGG	39 10 02 97 23 59	35.000 123	521 4.9	45.2 American Family Associatio	67.15	90.24
209C0 KJTH Ponca City	LIC CX OK	168.9 349.1	149.12 BLED20041018ACD	36 35 42 97 34 38	100.000 316	626 10.4	73.6 The Love Station, Inc,	63.62	64.83
214A KAYEFM Tonkawa	LIC CN OK	158.6 338.9	147.16 BLED19811030BC	36 40 42 97 17 50	1.200 12	322 1.6	10.6 Northern Oklahoma College	70.78	125.91
264C1 KHOK Hoisington	LIC CN KS	313.2 132.7	103.39 BLH19820521AX	38 32 49 98 45 59	100.000 157	707 69.8	59.4 Eagle Communications, Inc.	41.0R	62.4M
209A KANH Emporia	LIC CX KS	71.7 252.8	164.14 BLED20020502AAC	38 21 45 96 07 00	3.000 72	428 2.0	20.6 University Of Kansas	87.65	132.94
214A KPOR Emporia	LIC C KS	68.5 249.6	166.19 BLED20000717AAT	38 26 50 96 07 42	2.000 106	451 2.1	22.7 Family Stations, Inc.	89.66	132.93
06+2C KOTV Tulsa	LI CN OK	136.1 317.5	288.76 BLCT19841031KI	36 01 15 95 40 32	100.000 563	769 67.3	125.5 Griffin Licensing, L.l.c.	196.0R	92.8M
06Z2 NEW Hutchinson	AP HN KS	272.8 92.5	36.04 BPRM20011009AEG	37 55 43 98 18 36	0.000 -493	0 66.5	0.0 Sierra Grande Broadcasting	196.0R	-160.0M
06+2C KBSDTV Ensign	LI HN KS	262.7 81.2	217.40 BMLCT20040826AAG	37 38 28 100 20 39	100.000 218	1046 66.5	95.9 Media General Broadcasting	196.0R	21.4M
06NT KTLJ-C Junction City	LI HN KS	37.5 218.2	155.58 BLTVL19880729IX	39 01 07 96 48 14	0.016 62	408 67.6	10.9 Montgomery Communications,	196.0R	-40.4M•

ERP and HAAT are on direct line to and from reference station.
• affixed to TV6 Margin= no direct-line contour overlap.
"*"affixed to 'IN' or 'Out' values = site inside protected contour. "<" = contour overlap

HOW TO READ THE FM COMPUTER PRINT-OUT

The computer printout should be self-explanatory for the most part. The parameters of the station being checked, (reference station) are printed in the heading. The 60 dBu protected contour is predicted from the Commission's F(50-50) table, while the 40, 54, 80 and 100 dBu contours are interference contours derived from the Commission's F(50-10) table. Contour distances are in kilometers and are predicted using spline interpolation from data points identical to those published in Report No. RS 76-01 by Gary C. Kalagian. Critical contour distances are determined using the Commission's TVFMINT FORTRAN subroutine. When interference contour distances are less than 16 kilometers the F(50-50) tables are used. If signal contour distances are less than 1.6 km the free-space equation is used.

The column listed "* IN *" is the sum of the reference station's 60 dBu protected contour and the data file station's interference contour subtracted from the distance between the stations. (All distances are derived by the method detailed in Sec. 73.208 of the Rules and Regulations as amended in Docket 80-90.) Therefore, the column is a measure of incoming interference. Negative distances in this column indicate the presence of interference. Listed antenna heights are the average heights of eight standard radials as found in the Commission's records unless otherwise noted, in which case the specific antenna heights and the DA power, if applicable, along the straight line azimuths between the reference station and the database station are used and visa versa. The column labeled "* OUT *" shows the distance in kilometers of overlap or clearance between the reference station's interference contour and the database station's protected contour. Negative distance figures in this column indicate outgoing overlap interference.

Under the "AZIMUTH" column, the first row of numbers indicate the bearings from True North of the data base stations in relationship with the reference station, while the numbers in the second row indicate the reverse bearings from the database station to the reference station.

The columns labeled "INT" and "PRO" hold the distance in kilometers of the appropriate interference contour and the protected contour of a data base station.

For I.F. relationships the "IN" and "OUT" columns change their significance. The letter "R" stands for the minimum **required** distance in kilometers, while the letter "M" in the next column follows the **available clear space** separation in kilometers. Minimum separation distances when displayed are taken from Sec 73.207 of the rules as amended. Canadian and Mexican separation distances, U/D ratios and protected contour values are from the US/Mexican Working Agreement and the US/Canada Working Agreement".

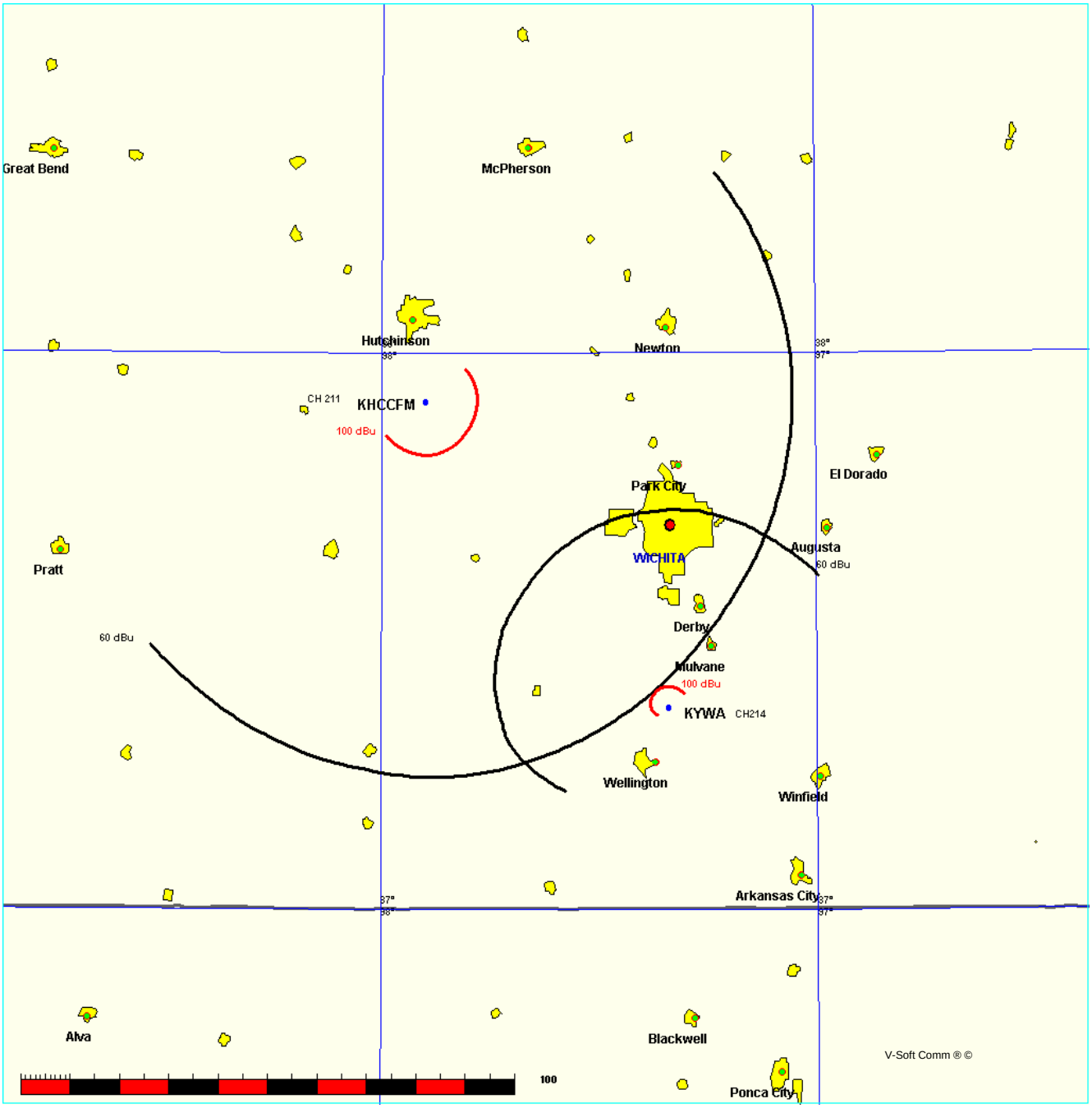
The first three letters of the "TYPE" column identify the current FCC status of the stations. The fourth letter will be a "D" if the facility is directional. “Z” indicates a 73.215 directional. An “N” indicates it is a 73.215 station that operates omni. The fifth letter will be an E, H or V depending on the type of antenna polarization. The sixth letter will be a "Y" if the antenna uses beam tilt or an “X” if the commission is not sure, otherwise it will be an “N”.

FMCommander Allocation Study
07-25-2005

KHCCFM CH 211 C0
100 kW 780 M COR
Prot. = 60 dBu
Intef. = 100 dBu

KYWA CH 214 C2 BLED19910627KA
25 kW, 478 M COR DA
Prot. = 60 dBu
Intef. = 100 dBu

Scale = 1:2,000,000



07-25-2005 30 Sec. Terrain Data FMOver Analysis

KHCCFM
Channel = 211C0
Max ERP = 100 kW
RCAMSL = 780 M
N. Lat = 37 54 49
W. Lng = 97 54 02
Protected
60 dBu

KYWA BLED19910627KA
Channel = 214C2
Max ERP = 25 kW
RCAMSL = 478 M
N. Lat = 37 21 53
W. Lng = 97 20 30
Interfering
100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
081.0	100.0000	0328.0	074.5	018.3	023.7295	0105.9	076.5	49.12
082.0	100.0000	0327.9	074.5	018.8	023.6849	0106.2	075.4	49.46
083.0	100.0000	0327.7	074.4	019.2	023.6451	0106.2	074.2	49.79
084.0	100.0000	0327.5	074.4	019.6	023.6056	0106.4	073.0	50.14
085.0	100.0000	0327.1	074.4	020.0	023.5688	0106.4	071.8	50.48
086.0	100.0000	0326.6	074.4	020.5	023.5489	0106.4	070.6	50.83
087.0	100.0000	0326.2	074.3	020.9	023.5292	0106.5	069.4	51.19
088.0	100.0000	0325.8	074.3	021.3	023.5094	0106.5	068.2	51.55
089.0	100.0000	0325.5	074.3	021.7	023.4895	0106.6	067.0	51.92
090.0	100.0000	0325.3	074.3	022.1	023.4695	0106.6	065.8	52.28
091.0	100.0000	0325.1	074.3	022.5	023.4497	0106.6	064.6	52.66
092.0	100.0000	0324.9	074.2	022.9	023.4301	0106.6	063.4	53.04
093.0	100.0000	0324.7	074.2	023.3	023.4105	0106.6	062.2	53.44
094.0	100.0000	0324.6	074.2	023.7	023.3908	0106.6	061.0	53.85
095.0	100.0000	0324.5	074.2	024.1	023.3713	0106.6	059.7	54.28
096.0	100.0000	0324.4	074.2	024.5	023.3523	0106.6	058.5	54.72
097.0	100.0000	0324.1	074.2	024.9	023.3339	0106.6	057.3	55.18
098.0	100.0000	0323.6	074.1	025.3	023.3163	0106.6	056.0	55.65
099.0	100.0000	0323.1	074.1	025.6	023.2992	0106.6	054.8	56.12
100.0	100.0000	0322.7	074.1	026.0	023.2824	0106.6	053.5	56.60
101.0	100.0000	0322.2	074.0	026.3	023.2660	0106.6	052.3	57.08
102.0	100.0000	0321.7	074.0	026.6	023.2498	0106.6	051.0	57.56
103.0	100.0000	0321.3	074.0	027.0	023.2339	0106.6	049.8	58.04
104.0	100.0000	0321.0	073.9	027.3	023.2181	0106.6	048.5	58.52
105.0	100.0000	0320.7	073.9	027.6	023.2024	0106.5	047.2	59.00
106.0	100.0000	0320.6	073.9	027.9	023.1867	0106.5	046.0	59.49
107.0	100.0000	0320.4	073.9	028.3	023.1716	0106.5	044.7	59.99
108.0	100.0000	0320.2	073.9	028.6	023.1570	0106.6	043.4	60.50
109.0	100.0000	0320.0	073.9	028.9	023.1433	0106.6	042.2	61.02
110.0	100.0000	0319.8	073.9	029.1	023.1304	0106.6	040.9	61.55
111.0	100.0000	0319.4	073.8	029.4	023.1188	0106.6	039.6	62.10
112.0	100.0000	0318.9	073.8	029.6	023.1082	0106.7	038.3	62.66
113.0	100.0000	0318.5	073.8	029.8	023.0989	0106.7	037.0	63.24
114.0	100.0000	0318.0	073.7	029.9	023.0904	0106.7	035.8	63.82
115.0	100.0000	0317.7	073.7	030.1	023.0935	0106.7	034.5	64.42
116.0	100.0000	0317.4	073.7	030.3	023.1002	0106.7	033.2	65.03
117.0	100.0000	0317.1	073.7	030.4	023.1062	0106.7	031.9	65.65

FMOver Analysis

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
118.0	100.0000	0316.9	073.7	030.5	023.1109	0106.7	030.6	66.32
119.0	100.0000	0316.8	073.6	030.5	023.1140	0106.8	029.3	67.06
120.0	100.0000	0316.5	073.6	030.6	023.1146	0106.8	028.0	67.83
121.0	100.0000	0316.2	073.6	030.5	023.1128	0106.8	026.8	68.66
122.0	100.0000	0316.0	073.6	030.4	023.1083	0106.7	025.5	69.51
123.0	100.0000	0315.7	073.6	030.3	023.1012	0106.7	024.2	70.41
124.0	100.0000	0315.5	073.5	030.1	023.0907	0106.7	022.9	71.35
125.0	100.0000	0315.3	073.5	029.8	023.0994	0106.7	021.6	72.33
126.0	100.0000	0315.2	073.5	029.4	023.1172	0106.6	020.3	73.32
127.0	100.0000	0315.3	073.5	028.9	023.1392	0106.6	019.1	74.34
128.0	100.0000	0315.5	073.5	028.4	023.1661	0106.5	017.8	75.39
129.0	100.0000	0315.9	073.6	027.7	023.1991	0106.5	016.5	76.44
130.0	100.0000	0316.4	073.6	026.8	023.2400	0106.6	015.3	77.52
131.0	100.0000	0317.0	073.7	025.8	023.2913	0106.6	014.0	78.76
132.0	100.0000	0317.6	073.7	024.4	023.3561	0106.6	012.8	80.41
133.0	100.0000	0318.3	073.8	022.7	023.4403	0106.6	011.5	82.26
134.0	100.0000	0319.0	073.8	020.4	023.5511	0106.4	010.3	84.27
135.0	100.0000	0319.7	073.9	017.4	023.8111	0105.7	009.1	86.42
136.0	100.0000	0320.4	073.9	013.4	024.1855	0104.8	008.0	88.69
137.0	100.0000	0321.1	074.0	007.9	024.6078	0104.8	006.9	91.37
138.0	100.0000	0321.6	074.0	000.2	024.9896	0102.8	005.9	93.98
139.0	100.0000	0322.1	074.0	349.6	024.7759	0100.8	005.1	96.24
140.0	100.0000	0322.5	074.1	335.8	023.7367	0100.3	004.6	97.81
141.0	100.0000	0323.0	074.1	319.4	023.2823	0096.5	004.4	98.10
142.0	100.0000	0323.6	074.1	303.0	024.6949	0089.0	004.6	96.95
143.0	100.0000	0324.3	074.2	289.0	024.3170	0085.9	005.1	94.74
144.0	100.0000	0325.1	074.3	278.3	022.1336	0085.9	005.9	91.80
145.0	100.0000	0325.8	074.3	270.5	019.8441	0084.9	006.9	88.49
146.0	100.0000	0326.3	074.3	264.9	017.6769	0086.2	008.0	85.55
147.0	100.0000	0326.7	074.4	260.8	016.1472	0088.0	009.1	83.12
148.0	100.0000	0327.1	074.4	257.8	014.8810	0089.4	010.3	80.75
149.0	100.0000	0327.6	074.4	255.5	013.9012	0089.7	011.5	78.46
150.0	100.0000	0328.1	074.5	253.7	013.1679	0089.7	012.8	76.36
151.0	100.0000	0328.7	074.5	252.3	012.6117	0089.6	014.1	74.49
152.0	100.0000	0329.3	074.6	251.3	012.1900	0089.6	015.3	73.12
153.0	100.0000	0329.8	074.6	250.5	011.8748	0089.6	016.6	71.91
154.0	100.0000	0330.2	074.6	249.9	011.6391	0089.6	017.9	70.74
155.0	100.0000	0330.5	074.6	249.4	011.4562	0089.7	019.2	69.60
156.0	100.0000	0330.9	074.7	249.1	011.3208	0089.7	020.5	68.50
157.0	100.0000	0331.3	074.7	248.9	011.2202	0089.7	021.8	67.44
158.0	100.0000	0331.9	074.7	248.7	011.1480	0089.7	023.1	66.42
159.0	100.0000	0332.5	074.8	248.6	011.1017	0089.7	024.4	65.44
160.0	100.0000	0333.0	074.8	248.5	011.0833	0089.7	025.7	64.52
161.0	100.0000	0333.6	074.9	248.6	011.0891	0089.7	027.0	63.65
162.0	100.0000	0334.2	074.9	248.6	011.1104	0089.7	028.3	62.84
163.0	100.0000	0334.8	075.0	248.7	011.1489	0089.7	029.7	62.08
164.0	100.0000	0335.4	075.0	248.8	011.2036	0089.7	031.0	61.40
165.0	100.0000	0335.8	075.0	249.0	011.2763	0089.7	032.3	60.78
166.0	100.0000	0336.2	075.1	249.2	011.3646	0089.7	033.6	60.20
167.0	100.0000	0336.6	075.1	249.5	011.4666	0089.7	034.9	59.65
168.0	100.0000	0336.8	075.1	249.7	011.5809	0089.6	036.2	59.10

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
169.0	100.0000	0337.0	075.1	250.0	011.7021	0089.6	037.5	58.58
170.0	100.0000	0337.3	075.2	250.3	011.8168	0089.6	038.8	58.06
171.0	100.0000	0337.5	075.2	250.6	011.9391	0089.6	040.1	57.56
172.0	100.0000	0337.7	075.2	251.0	012.0682	0089.6	041.4	57.08
173.0	100.0000	0337.8	075.2	251.3	012.2029	0089.6	042.7	56.61
174.0	100.0000	0337.9	075.2	251.7	012.3460	0089.6	043.9	56.16
175.0	100.0000	0337.7	075.2	252.1	012.5021	0089.6	045.2	55.72
176.0	100.0000	0337.5	075.2	252.5	012.6617	0089.6	046.5	55.30
177.0	100.0000	0337.1	075.1	252.9	012.8307	0089.6	047.8	54.90
178.0	100.0000	0336.8	075.1	253.3	013.0000	0089.6	049.0	54.50
179.0	100.0000	0336.5	075.1	253.7	013.1720	0089.7	050.3	54.10
180.0	100.0000	0336.1	075.1	254.2	013.3477	0089.7	051.5	53.69
181.0	100.0000	0335.5	075.0	254.6	013.5348	0089.7	052.8	53.29
182.0	100.0000	0334.9	075.0	255.1	013.7239	0089.7	054.0	52.90
183.0	100.0000	0334.3	074.9	255.5	013.9142	0089.7	055.3	52.50
184.0	100.0000	0333.8	074.9	256.0	014.1060	0089.7	056.5	52.11
185.0	100.0000	0333.0	074.8	256.5	014.3052	0089.7	057.7	51.74
186.0	100.0000	0332.1	074.8	257.0	014.5124	0089.6	058.9	51.37
187.0	100.0000	0331.0	074.7	257.5	014.7246	0089.6	060.1	51.02
188.0	100.0000	0329.9	074.6	257.9	014.9376	0089.4	061.3	50.67
189.0	100.0000	0329.1	074.6	258.4	015.1456	0089.4	062.5	50.34
190.0	100.0000	0328.5	074.5	258.9	015.3510	0089.1	063.7	50.01
191.0	100.0000	0328.0	074.5	259.4	015.5553	0089.1	064.9	49.71
192.0	100.0000	0327.5	074.4	259.8	015.7594	0088.6	066.1	49.38
193.0	100.0000	0327.3	074.4	260.3	015.9374	0088.6	067.3	49.08
194.0	100.0000	0327.3	074.4	260.7	016.0987	0088.0	068.5	48.75
195.0	100.0000	0327.1	074.4	261.2	016.2657	0088.0	069.7	48.45
196.0	100.0000	0326.8	074.4	261.6	016.4375	0087.3	070.8	48.13
197.0	100.0000	0326.3	074.3	262.1	016.6131	0087.3	072.0	47.85
198.0	100.0000	0325.9	074.3	262.6	016.7883	0086.8	073.2	47.53
199.0	100.0000	0325.5	074.3	263.0	016.9648	0086.8	074.3	47.26
200.0	100.0000	0325.0	074.2	263.5	017.1450	0086.8	075.4	46.99
201.0	100.0000	0324.4	074.2	264.0	017.3272	0086.4	076.6	46.70

07-25-2005 30 Sec. Terrain Data

KYWA BLED19910627KA
Channel = 214C2
Max ERP = 25 kW
RCAMSL = 478 M
N. Lat = 37 21 53
W. Lng = 97 20 30
Protected
  60 dBu

KHCCFM
Channel = 211C0
Max ERP = 100 kW
RCAMSL = 780 M
N. Lat = 37 54 49
W. Lng = 97 54 02
Interfering
  100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
261.0	016.2087	0088.0	033.5	166.2	100.0000	0336.2	068.1	67.24
262.0	016.5812	0087.3	033.6	166.2	100.0000	0336.2	067.5	67.45
263.0	016.9579	0086.8	033.7	166.2	100.0000	0336.2	066.9	67.66
264.0	017.3389	0086.4	033.8	166.3	100.0000	0336.2	066.3	67.88
265.0	017.7241	0086.2	033.9	166.3	100.0000	0336.2	065.7	68.10
266.0	018.1135	0085.9	034.0	166.3	100.0000	0336.2	065.1	68.32
267.0	018.5072	0085.6	034.1	166.3	100.0000	0336.2	064.5	68.53
268.0	018.9051	0085.4	034.2	166.3	100.0000	0336.2	063.9	68.75
269.0	019.3072	0085.1	034.4	166.3	100.0000	0336.2	063.3	68.98
270.0	019.7136	0084.9	034.5	166.3	100.0000	0336.2	062.7	69.20
271.0	019.9988	0084.7	034.6	166.2	100.0000	0336.2	062.1	69.42
272.0	020.2860	0084.7	034.7	166.2	100.0000	0336.2	061.5	69.65
273.0	020.5753	0085.0	034.8	166.2	100.0000	0336.2	060.9	69.88
274.0	020.8666	0085.3	035.0	166.2	100.0000	0336.2	060.2	70.11
275.0	021.1600	0085.6	035.2	166.1	100.0000	0336.2	059.6	70.35
276.0	021.4554	0085.7	035.3	166.1	100.0000	0336.2	059.0	70.58
277.0	021.7529	0085.8	035.4	166.0	100.0000	0336.2	058.3	70.82
278.0	022.0524	0085.9	035.6	165.9	100.0000	0336.2	057.7	71.05
279.0	022.3540	0085.6	035.6	165.7	100.0000	0336.2	057.1	71.28
280.0	022.6576	0085.4	035.7	165.5	100.0000	0336.2	056.5	71.51
281.0	022.8388	0085.3	035.7	165.3	100.0000	0335.8	055.9	71.71
282.0	023.0208	0085.2	035.8	165.0	100.0000	0335.8	055.4	71.94
283.0	023.2035	0085.3	035.9	164.8	100.0000	0335.8	054.8	72.16
284.0	023.3869	0085.5	035.9	164.6	100.0000	0335.8	054.2	72.39
285.0	023.5710	0085.6	036.0	164.3	100.0000	0335.4	053.6	72.60
286.0	023.7559	0085.7	036.1	164.0	100.0000	0335.4	053.0	72.82
287.0	023.9415	0085.8	036.2	163.7	100.0000	0335.4	052.4	73.04
288.0	024.1277	0085.9	036.3	163.4	100.0000	0334.8	051.9	73.25
289.0	024.3148	0085.9	036.3	163.1	100.0000	0334.8	051.3	73.46
290.0	024.5025	0086.0	036.4	162.7	100.0000	0334.8	050.8	73.67
291.0	024.6016	0086.2	036.5	162.4	100.0000	0334.2	050.2	73.87
292.0	024.7009	0086.5	036.6	162.0	100.0000	0334.2	049.7	74.08
293.0	024.8004	0086.9	036.7	161.6	100.0000	0334.2	049.1	74.30
294.0	024.9001	0087.3	036.8	161.2	100.0000	0333.6	048.6	74.49

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
295.0	025.0000	0087.5	036.9	160.7	100.0000	0333.6	048.0	74.69
296.0	024.9900	0087.7	036.9	160.2	100.0000	0333.0	047.6	74.86
297.0	024.9800	0087.9	036.9	159.7	100.0000	0333.0	047.1	75.04
298.0	024.9700	0088.1	037.0	159.1	100.0000	0332.5	046.6	75.21
299.0	024.9600	0088.3	037.0	158.5	100.0000	0332.5	046.2	75.39
300.0	024.9500	0088.5	037.0	157.9	100.0000	0331.9	045.8	75.54
301.0	024.8652	0088.7	037.1	157.3	100.0000	0331.3	045.4	75.69
302.0	024.7805	0088.9	037.1	156.6	100.0000	0331.3	045.0	75.85
303.0	024.6959	0089.0	037.1	156.0	100.0000	0330.9	044.6	75.98
304.0	024.6115	0089.2	037.1	155.3	100.0000	0330.5	044.3	76.12
305.0	024.5273	0089.6	037.1	154.6	100.0000	0330.5	043.9	76.27
306.0	024.4431	0089.9	037.1	153.9	100.0000	0330.2	043.6	76.40
307.0	024.3592	0090.3	037.2	153.1	100.0000	0329.8	043.2	76.53
308.0	024.2753	0090.5	037.2	152.3	100.0000	0329.3	042.9	76.64
309.0	024.1916	0090.8	037.2	151.6	100.0000	0329.3	042.7	76.76
310.0	024.1081	0091.1	037.3	150.8	100.0000	0328.7	042.4	76.86
311.0	024.0198	0091.6	037.3	150.0	100.0000	0328.1	042.1	76.96
312.0	023.9317	0092.2	037.4	149.2	100.0000	0327.6	041.8	77.07
313.0	023.8437	0092.9	037.5	148.3	100.0000	0327.1	041.6	77.17
314.0	023.7559	0093.5	037.6	147.5	100.0000	0326.7	041.3	77.26
315.0	023.6682	0094.2	037.7	146.6	100.0000	0326.7	041.1	77.36
316.0	023.5807	0094.9	037.7	145.7	100.0000	0326.3	040.9	77.45
317.0	023.4934	0095.5	037.8	144.8	100.0000	0325.8	040.7	77.51
318.0	023.4062	0096.0	037.9	143.9	100.0000	0325.1	040.6	77.55
319.0	023.3192	0096.5	037.9	143.0	100.0000	0324.3	040.5	77.57
320.0	023.2324	0096.9	038.0	142.1	100.0000	0323.6	040.4	77.59
321.0	023.1939	0097.4	038.0	141.1	100.0000	0323.0	040.3	77.61
322.0	023.1553	0097.9	038.1	140.2	100.0000	0322.5	040.2	77.62
323.0	023.1169	0098.4	038.2	139.2	100.0000	0322.1	040.2	77.63
324.0	023.0784	0098.8	038.2	138.3	100.0000	0321.6	040.2	77.61
325.0	023.0400	0099.1	038.3	137.3	100.0000	0321.1	040.2	77.57
326.0	023.0784	0099.2	038.3	136.4	100.0000	0320.4	040.3	77.52
327.0	023.1169	0099.2	038.3	135.4	100.0000	0319.7	040.4	77.46
328.0	023.1553	0099.3	038.4	134.5	100.0000	0319.7	040.5	77.40
329.0	023.1939	0099.4	038.4	133.6	100.0000	0319.0	040.7	77.32
330.0	023.2324	0099.5	038.4	132.7	100.0000	0318.3	040.8	77.23
331.0	023.3192	0099.6	038.5	131.8	100.0000	0317.6	041.0	77.14
332.0	023.4062	0099.7	038.5	130.8	100.0000	0317.0	041.2	77.04
333.0	023.4934	0099.9	038.6	129.9	100.0000	0316.4	041.4	76.94
334.0	023.5807	0100.1	038.6	129.1	100.0000	0315.9	041.6	76.82
335.0	023.6682	0100.2	038.7	128.2	100.0000	0315.5	041.8	76.70
336.0	023.7559	0100.3	038.7	127.4	100.0000	0315.3	042.1	76.58
337.0	023.8437	0100.5	038.8	126.5	100.0000	0315.3	042.4	76.46
338.0	023.9317	0100.7	038.9	125.7	100.0000	0315.2	042.7	76.33
339.0	024.0198	0100.9	038.9	124.9	100.0000	0315.3	043.0	76.19
340.0	024.1081	0101.0	039.0	124.1	100.0000	0315.5	043.4	76.05
341.0	024.1769	0101.1	039.0	123.4	100.0000	0315.7	043.7	75.89
342.0	024.2458	0101.1	039.0	122.6	100.0000	0315.7	044.1	75.72
343.0	024.3148	0101.2	039.1	121.9	100.0000	0316.0	044.5	75.56
344.0	024.3838	0101.4	039.1	121.2	100.0000	0316.2	045.0	75.39
345.0	024.4530	0101.6	039.2	120.5	100.0000	0316.2	045.4	75.22

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
346.0	024.5223	0101.6	039.2	119.9	100.0000	0316.5	045.9	75.03
347.0	024.5917	0101.4	039.2	119.3	100.0000	0316.8	046.4	74.83
348.0	024.6612	0101.1	039.2	118.8	100.0000	0316.8	046.9	74.62
349.0	024.7307	0100.9	039.1	118.3	100.0000	0316.9	047.4	74.42
350.0	024.8004	0100.8	039.1	117.8	100.0000	0316.9	048.0	74.21
351.0	024.8403	0100.7	039.2	117.3	100.0000	0317.1	048.5	74.00
352.0	024.8801	0100.8	039.2	116.8	100.0000	0317.1	049.0	73.79
353.0	024.9201	0100.7	039.2	116.3	100.0000	0317.4	049.6	73.57
354.0	024.9600	0100.6	039.2	115.9	100.0000	0317.4	050.2	73.35
355.0	025.0000	0100.5	039.2	115.5	100.0000	0317.4	050.8	73.12
356.0	025.0000	0100.5	039.2	115.1	100.0000	0317.7	051.4	72.89
357.0	025.0000	0100.6	039.2	114.7	100.0000	0317.7	052.0	72.66
358.0	025.0000	0101.3	039.3	114.3	100.0000	0318.0	052.5	72.46
359.0	025.0000	0102.0	039.4	113.8	100.0000	0318.0	053.1	72.23
000.0	025.0000	0102.8	039.5	113.4	100.0000	0318.5	053.7	72.02
001.0	024.9500	0102.8	039.5	113.1	100.0000	0318.5	054.3	71.77
002.0	024.9001	0102.8	039.5	112.9	100.0000	0318.5	054.9	71.52
003.0	024.8502	0102.8	039.5	112.6	100.0000	0318.5	055.6	71.27
004.0	024.8004	0103.0	039.5	112.4	100.0000	0318.9	056.2	71.04
005.0	024.7506	0103.4	039.5	112.1	100.0000	0318.9	056.9	70.79
006.0	024.7009	0103.8	039.6	111.9	100.0000	0318.9	057.5	70.54
007.0	024.6512	0104.4	039.7	111.6	100.0000	0318.9	058.2	70.29
008.0	024.6016	0104.8	039.7	111.4	100.0000	0319.4	058.8	70.05
009.0	024.5520	0104.9	039.7	111.3	100.0000	0319.4	059.5	69.80
010.0	024.5025	0104.7	039.7	111.2	100.0000	0319.4	060.2	69.54
011.0	024.4085	0104.6	039.6	111.1	100.0000	0319.4	060.9	69.28
012.0	024.3148	0104.7	039.6	111.0	100.0000	0319.4	061.6	69.02
013.0	024.2212	0104.8	039.6	110.9	100.0000	0319.4	062.3	68.77
014.0	024.1277	0105.1	039.6	110.8	100.0000	0319.4	063.0	68.52
015.0	024.0345	0105.3	039.6	110.7	100.0000	0319.4	063.6	68.27
016.0	023.9415	0105.5	039.6	110.7	100.0000	0319.4	064.3	68.02
017.0	023.8486	0105.7	039.6	110.6	100.0000	0319.4	065.0	67.77
018.0	023.7559	0105.9	039.6	110.6	100.0000	0319.4	065.7	67.52
019.0	023.6634	0106.2	039.6	110.5	100.0000	0319.4	066.4	67.27
020.0	023.5710	0106.4	039.6	110.5	100.0000	0319.4	067.1	67.02
021.0	023.5225	0106.5	039.6	110.5	100.0000	0319.4	067.8	66.77