

EXHIBIT #18
CONTOUR PROTECTION

The University of Oklahoma
Minor Change to Licensed Station
KGOU
BLED-19830804AE
Norman, OK

July 2007

CH 292A

6.0 kW H & V

As shown in the minimum spacings table found in Exhibit #15, KGOU meets all spacing requirements with the exception of first adjacent Class C3 station KTLS-FM, Holdenville. Section 73.215 of the FCC's rules allows for such short-spacing when the minimum distance of 72 kilometers between first adjacent Class A and C3 stations met and there is no contour overlap between each stations protected contour with the other station's interference contour. In cases where the potential interfering station is not classified as a 73.215 station, that station's facilities must be considered at full height and power for class when predicting distances to protected and interference contours.

KGOU proposes to provide contour protection under Section 73.215 to KTLS-FM, Holdenville. KTLS-FM is classified as a Section 73.215 station, operating with 25 kW from an antenna height above average terrain (HAAT) of 100 meters. Those parameters were considered in the attached studies.

Page #2 of this exhibit is a contour-to-contour protection study, showing that no overlap will be either caused or received to the existing facility of KTLS-FM by the proposed KGOU. A map and FMOVER table of that contour relationship can be found on pages 3-10.

The University Of Oklahoma
KGOU - Minor Change Application

REFERENCE CH# 292A - 106.3 MHz, Pwr= 6 kW, HAAT= 92.1 M, COR= 444 M
35 17 22.0 N.
97 21 30.0 W.

DISPLAY DATES
DATA 07-24-07
SEARCH 07-24-07

CH CITY	CALL	TYPE STATE	ANT AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
292A Norman	KGOU	LIC _CN OK	0.0 0.0	0.00 BLED19830804AE	35 17 22.0 97 21 30.0	3.000 91	2.0 444	12.5 The University Of Oklahoma	91.5R	-91.5M
293C3 Holdenville	KTLS-FM	LIC NCN OK	118.5 299.0	86.88 BLH19970826KG	34 54 50.0 96 31 20.0	25.000 100	53.7 361	33.4 Woodstone Broadcasting, Inc.	2.22	6.05
292A Waukomis	RADD	ADD OK	333.6 153.3	117.23	36 14 01.0 97 56 25.0	6.000 100	88.2 459	29.5 Linda Crawford, D/b/a Wauk	3.53	4.57
291A Sulphur	KIXO	LIC _CN OK	154.6 334.8	78.43 BLH19990224KD	34 39 03.0 96 59 24.0	2.650 152	44.5 477	29.5 Dfwu, Inc.	4.97	4.24
294C2 Okarche	KTUZ-FM	LIC NCX OK	307.9 127.6	58.89 BLH20021018AAN	35 36 49.0 97 52 19.0	13.000 292	5.4 683	51.4 Tyler Broadcasting Corpora	28.34	5.01
289A Spencer	KROU	LIC NCN OK	341.2 161.1	35.19 BLED19930708KA	35 35 22.0 97 29 03.0	4.000 100	2.4 446	25.3 The University Of Oklahoma	6.24	7.32
290A Seminole	KIRC	LIC _CN OK	87.7 268.0	54.92 BLH19960523KA	35 18 28.0 96 45 18.0	4.400 117	2.5 411	26.1 One Ten Broadcast Group, Inc.	24.65	26.15
292C2 Wichita Falls	KBZS	LIC NCX TX	215.8 35.1	191.03 BLH20040108AMG	33 53 18.0 98 34 08.0	50.000 129	134.9 429	49.3 Ccb Texas Licenses, L.p.	27.26	54.30
292C3 Durant	KLBC	LIC ZCN OK	148.8 329.4	166.64 BLH20010315AAF	34 00 07.0 96 25 19.0	21.000 109	107.1 314	35.1 Texoma Broadcasting, Inc.	28.94	41.80
291C Owasso	KQLL-FM	LIC _CY OK	47.6 228.6	206.24 BLH19860602KH	36 31 36.0 95 39 12.0	100.000 403	118.9 606	80.1 Clear Channel Broadcasting	60.83	85.17
295C Muskogee	KHTT	CP _CX OK	65.7 246.6	157.55 BPH20051014ADW	35 51 41.0 95 46 03.0	100.000 455	11.8 652	81.3 Renda Broadcasting Corpora	118.79	73.61

Terrain database is NGDC 30 SEC

ERP and HAAT are on direct line to and from reference station.

Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)

***affixed to 'IN' or 'OUT' values = site inside protected contour.

"«" = Station meets FCC minimum distance spacing for its class.

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.

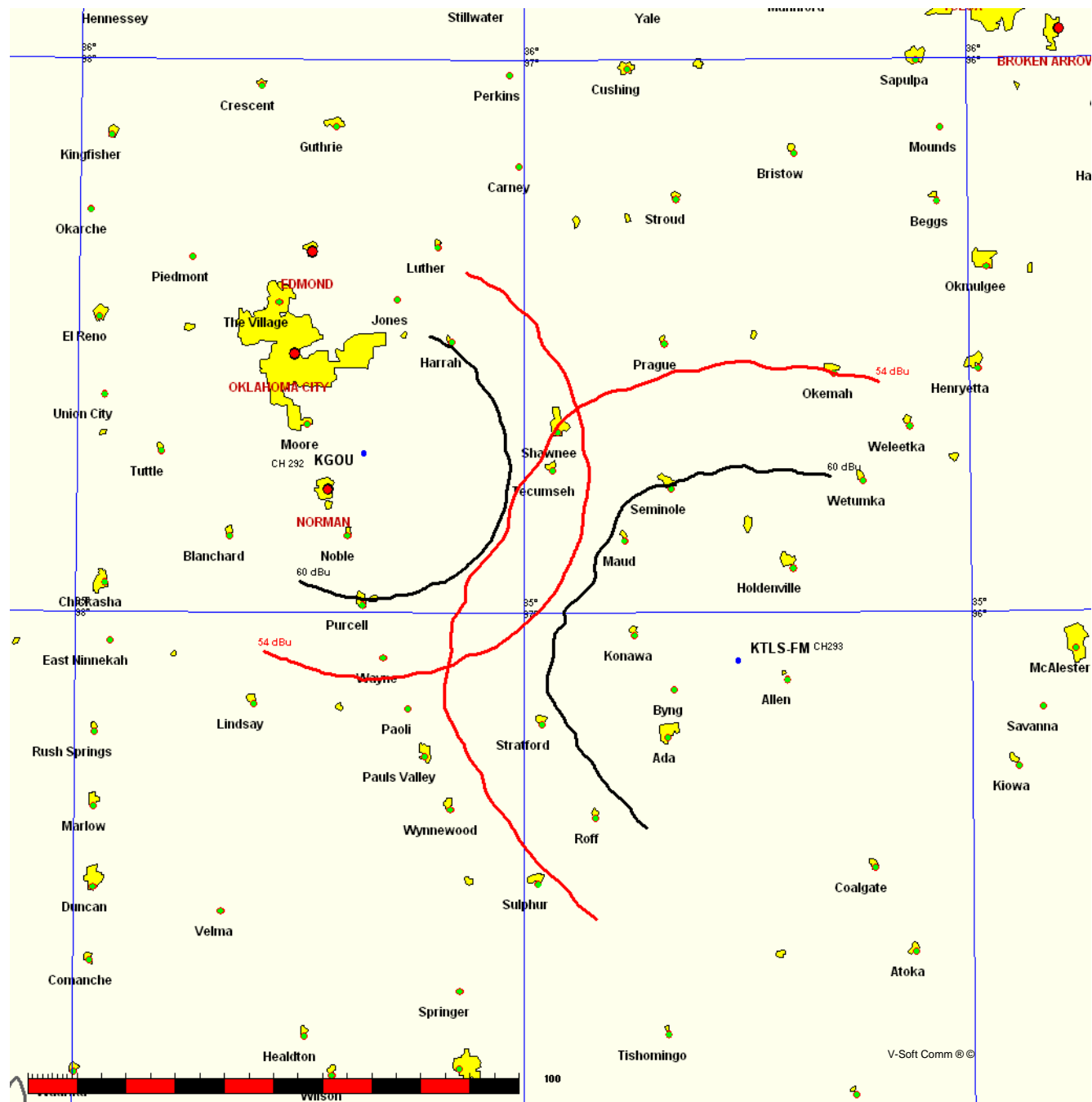
For I.F. relationships the "IN" and "OUT" columns change their significance. The letter "R" stands for the minimum **required** distance in kilometers, while the letter "M" in the next column follows the **available clear space** separation in kilometers. Minimum separation distances when displayed are 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 Single Allocation Study
07-24-2007

KGOU (New)	CH 292 A	KTLS-FM	CH 293 C3	BLH19970826KG
6.0 kW	444 M COR	25.0 kW	361 M COR	
Prot. =	60 dBu	Prot. =	60 dBu	
Intef. =	54 dBu	Intef. =	54 dBu	

Scale = 1:2,000,000



KGOU (New)

Channel = 292A

Max ERP = 6 kW

RCAMSL = 444 M

N. Lat. 35 17 22.0

W. Lng. 97 21 30.0

Protected

60 dBu

KTLS-FM

BLH19970826KG

Channel = 293C3

Max ERP = 25 kW

RCAMSL = 361 M

N. Lat. 34 54 50.0

W. Lng. 96 31 20.0

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
059.0	006.0000	0085.4	026.3	316.1	025.0000	0085.6	077.0	48.14
060.0	006.0000	0085.4	026.3	316.0	025.0000	0085.4	076.5	48.25
061.0	006.0000	0085.8	026.3	316.0	025.0000	0085.3	076.1	48.37
062.0	006.0000	0086.5	026.4	315.9	025.0000	0085.2	075.6	48.50
063.0	006.0000	0087.4	026.6	315.9	025.0000	0085.2	075.1	48.63
064.0	006.0000	0088.4	026.7	315.9	025.0000	0085.2	074.6	48.76
065.0	006.0000	0089.4	026.8	315.9	025.0000	0085.2	074.2	48.89
066.0	006.0000	0090.4	027.0	315.9	025.0000	0085.1	073.7	49.03
067.0	006.0000	0091.1	027.1	315.8	025.0000	0085.0	073.2	49.15
068.0	006.0000	0091.9	027.2	315.8	025.0000	0084.9	072.7	49.28
069.0	006.0000	0092.4	027.3	315.7	025.0000	0084.7	072.3	49.39
070.0	006.0000	0092.8	027.3	315.6	025.0000	0084.4	071.8	49.51
071.0	006.0000	0093.1	027.4	315.4	025.0000	0084.2	071.3	49.62
072.0	006.0000	0093.3	027.4	315.3	025.0000	0083.9	070.9	49.73
073.0	006.0000	0093.3	027.4	315.1	025.0000	0083.6	070.5	49.82
074.0	006.0000	0093.4	027.4	314.9	025.0000	0083.3	070.1	49.93
075.0	006.0000	0093.5	027.4	314.7	025.0000	0083.1	069.6	50.03
076.0	006.0000	0093.3	027.4	314.5	025.0000	0082.8	069.2	50.12
077.0	006.0000	0093.6	027.4	314.3	025.0000	0082.6	068.8	50.23
078.0	006.0000	0094.4	027.5	314.2	025.0000	0082.5	068.4	50.35
079.0	006.0000	0095.2	027.6	314.0	025.0000	0082.3	067.9	50.47
080.0	006.0000	0095.8	027.7	313.8	025.0000	0082.2	067.5	50.59
081.0	006.0000	0096.2	027.8	313.6	025.0000	0082.1	067.1	50.70
082.0	006.0000	0096.7	027.8	313.4	025.0000	0082.0	066.6	50.81
083.0	006.0000	0097.0	027.9	313.2	025.0000	0081.9	066.2	50.92
084.0	006.0000	0097.0	027.9	312.9	025.0000	0081.9	065.9	51.02
085.0	006.0000	0096.7	027.9	312.6	025.0000	0081.8	065.5	51.12
086.0	006.0000	0096.6	027.8	312.3	025.0000	0081.8	065.2	51.21
087.0	006.0000	0096.3	027.8	311.9	025.0000	0081.8	064.9	51.30
088.0	006.0000	0096.0	027.8	311.6	025.0000	0081.9	064.6	51.39
089.0	006.0000	0095.9	027.7	311.3	025.0000	0081.9	064.3	51.49
090.0	006.0000	0097.5	028.0	311.1	025.0000	0081.9	063.8	51.63
091.0	006.0000	0099.2	028.2	310.9	025.0000	0081.9	063.3	51.77
092.0	006.0000	0100.9	028.4	310.6	025.0000	0081.9	062.8	51.92
093.0	006.0000	0102.5	028.6	310.4	025.0000	0081.9	062.3	52.07
094.0	006.0000	0103.6	028.8	310.1	025.0000	0081.9	061.9	52.20
095.0	006.0000	0104.3	028.9	309.8	025.0000	0082.0	061.5	52.31

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
096.0	006.0000	0105.0	028.9	309.4	025.0000	0082.0	061.2	52.43
097.0	006.0000	0105.3	029.0	309.0	025.0000	0082.1	060.9	52.53
098.0	006.0000	0105.4	029.0	308.6	025.0000	0082.2	060.6	52.62
099.0	006.0000	0105.5	029.0	308.2	025.0000	0082.2	060.4	52.71
100.0	006.0000	0105.7	029.0	307.8	025.0000	0082.2	060.1	52.79
101.0	006.0000	0106.1	029.1	307.4	025.0000	0082.0	059.8	52.87
102.0	006.0000	0106.2	029.1	307.0	025.0000	0081.8	059.6	52.94
103.0	006.0000	0106.1	029.1	306.5	025.0000	0081.5	059.4	52.98
104.0	006.0000	0105.7	029.0	306.0	025.0000	0081.1	059.3	52.99
105.0	006.0000	0105.9	029.1	305.6	025.0000	0080.6	059.1	53.02
106.0	006.0000	0106.7	029.2	305.2	025.0000	0080.1	058.8	53.07
107.0	006.0000	0107.8	029.3	304.7	025.0000	0079.5	058.5	53.13
108.0	006.0000	0109.1	029.5	304.3	025.0000	0079.0	058.2	53.19
109.0	006.0000	0110.3	029.6	303.8	025.0000	0078.3	057.9	53.24
110.0	006.0000	0111.6	029.8	303.4	025.0000	0077.7	057.7	53.27
111.0	006.0000	0112.5	029.9	302.9	025.0000	0076.8	057.4	53.28
112.0	006.0000	0112.9	029.9	302.4	025.0000	0075.9	057.3	53.26
113.0	006.0000	0112.9	029.9	301.9	025.0000	0074.9	057.2	53.21
114.0	006.0000	0113.0	029.9	301.3	025.0000	0073.9	057.1	53.15
115.0	006.0000	0113.1	030.0	300.8	025.0000	0072.8	057.1	53.09
116.0	006.0000	0113.4	030.0	300.3	025.0000	0071.9	057.0	53.03
117.0	006.0000	0113.7	030.0	299.8	025.0000	0071.1	056.9	52.99
118.0	006.0000	0113.9	030.0	299.2	025.0000	0070.6	056.9	52.96
119.0	006.0000	0114.1	030.1	298.7	025.0000	0070.2	056.9	52.94
120.0	006.0000	0114.3	030.1	298.2	025.0000	0070.1	056.9	52.94
121.0	006.0000	0114.7	030.1	297.6	025.0000	0070.2	056.8	52.95
122.0	006.0000	0115.4	030.2	297.1	025.0000	0070.5	056.8	52.99
123.0	006.0000	0116.4	030.3	296.6	025.0000	0070.9	056.7	53.04
124.0	006.0000	0117.4	030.4	296.0	025.0000	0071.4	056.7	53.09
125.0	006.0000	0117.9	030.5	295.5	025.0000	0072.0	056.7	53.13
126.0	006.0000	0117.8	030.5	295.0	025.0000	0072.5	056.8	53.13
127.0	006.0000	0117.4	030.4	294.4	025.0000	0073.0	057.0	53.12
128.0	006.0000	0117.2	030.4	293.9	025.0000	0073.5	057.1	53.11
129.0	006.0000	0117.1	030.4	293.4	025.0000	0074.0	057.3	53.10
130.0	006.0000	0117.1	030.4	292.9	025.0000	0074.5	057.4	53.09
131.0	006.0000	0117.2	030.4	292.4	025.0000	0075.0	057.6	53.08
132.0	006.0000	0117.1	030.4	291.9	025.0000	0075.6	057.8	53.07
133.0	006.0000	0116.8	030.4	291.4	025.0000	0076.3	058.0	53.04
134.0	006.0000	0116.3	030.3	291.0	025.0000	0077.1	058.3	53.02
135.0	006.0000	0115.7	030.2	290.5	025.0000	0077.9	058.6	52.99
136.0	006.0000	0115.2	030.2	290.1	025.0000	0078.7	058.8	52.96
137.0	006.0000	0115.0	030.2	289.6	025.0000	0079.6	059.1	52.94
138.0	006.0000	0114.9	030.2	289.2	025.0000	0080.5	059.4	52.92
139.0	006.0000	0114.8	030.1	288.7	025.0000	0081.4	059.6	52.89
140.0	006.0000	0114.7	030.1	288.3	025.0000	0082.2	059.9	52.86
141.0	006.0000	0114.6	030.1	287.9	025.0000	0083.1	060.2	52.82
142.0	006.0000	0114.5	030.1	287.5	025.0000	0083.8	060.5	52.78
143.0	006.0000	0114.4	030.1	287.1	025.0000	0084.5	060.8	52.72
144.0	006.0000	0114.1	030.1	286.7	025.0000	0085.0	061.2	52.65
145.0	006.0000	0113.8	030.0	286.4	025.0000	0085.5	061.5	52.56
146.0	006.0000	0113.4	030.0	286.0	025.0000	0085.8	061.9	52.47

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
147.0	006.0000	0112.9	029.9	285.7	025.0000	0086.1	062.3	52.36
148.0	006.0000	0112.0	029.8	285.4	025.0000	0086.2	062.7	52.24
149.0	006.0000	0110.7	029.7	285.2	025.0000	0086.2	063.2	52.09
150.0	006.0000	0108.9	029.4	285.0	025.0000	0086.1	063.7	51.93
151.0	006.0000	0106.8	029.2	284.8	025.0000	0086.0	064.3	51.76
152.0	006.0000	0105.0	028.9	284.7	025.0000	0085.9	064.8	51.60
153.0	006.0000	0104.2	028.8	284.4	025.0000	0085.6	065.2	51.45
154.0	006.0000	0104.3	028.9	284.1	025.0000	0085.3	065.6	51.32
155.0	006.0000	0105.1	029.0	283.8	025.0000	0084.8	065.9	51.19
156.0	006.0000	0105.9	029.1	283.4	025.0000	0084.3	066.3	51.07
157.0	006.0000	0106.7	029.2	283.1	025.0000	0083.9	066.6	50.94
158.0	006.0000	0107.0	029.2	282.8	025.0000	0083.7	067.0	50.81
159.0	006.0000	0106.7	029.2	282.6	025.0000	0083.5	067.5	50.67
160.0	006.0000	0106.1	029.1	282.4	025.0000	0083.4	067.9	50.54
161.0	006.0000	0106.0	029.1	282.2	025.0000	0083.4	068.4	50.41
162.0	006.0000	0106.0	029.1	282.0	025.0000	0083.4	068.8	50.28
163.0	006.0000	0105.6	029.0	281.8	025.0000	0083.4	069.3	50.15
164.0	006.0000	0104.6	028.9	281.7	025.0000	0083.5	069.8	50.02
165.0	006.0000	0103.4	028.7	281.7	025.0000	0083.5	070.3	49.87
166.0	006.0000	0102.3	028.6	281.6	025.0000	0083.6	070.8	49.73
167.0	006.0000	0102.0	028.6	281.5	025.0000	0083.8	071.3	49.61
168.0	006.0000	0102.5	028.6	281.3	025.0000	0084.1	071.7	49.51
169.0	006.0000	0103.0	028.7	281.0	025.0000	0084.6	072.1	49.42
170.0	006.0000	0103.1	028.7	280.9	025.0000	0085.0	072.6	49.31
171.0	006.0000	0102.7	028.7	280.8	025.0000	0085.2	073.1	49.19
172.0	006.0000	0102.5	028.6	280.7	025.0000	0085.4	073.6	49.07
173.0	006.0000	0102.4	028.6	280.6	025.0000	0085.7	074.1	48.95
174.0	006.0000	0102.2	028.6	280.5	025.0000	0085.9	074.5	48.83
175.0	006.0000	0102.1	028.6	280.4	025.0000	0086.2	075.0	48.71
176.0	006.0000	0102.2	028.6	280.3	025.0000	0086.4	075.5	48.59
177.0	006.0000	0102.2	028.6	280.2	025.0000	0086.7	076.0	48.47
178.0	006.0000	0102.3	028.6	280.1	025.0000	0086.9	076.5	48.35
179.0	006.0000	0102.5	028.6	280.0	025.0000	0087.1	077.0	48.23

KTLS-FM BLH19970826KG
 Channel = 293C3
 Max ERP = 25 kW
 RCAMSL = 361 M
 N. Lat. 34 54 50.0
 W. Lng. 96 31 20.0
 Protected
 60 dBu

KGOU (New)
 Channel = 292A
 Max ERP = 6 kW
 RCAMSL = 444 M
 N. Lat. 35 17 22.0
 W. Lng. 97 21 30.0
 Interfering
 54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
239.0	025.0000	0086.1	036.6	143.4	006.0000	0114.3	075.4	43.91
240.0	025.0000	0087.0	036.8	143.5	006.0000	0114.3	074.7	44.09
241.0	025.0000	0087.6	036.9	143.5	006.0000	0114.3	074.1	44.29
242.0	025.0000	0087.8	036.9	143.5	006.0000	0114.3	073.4	44.48
243.0	025.0000	0087.4	036.8	143.3	006.0000	0114.3	072.8	44.66
244.0	025.0000	0086.3	036.6	143.1	006.0000	0114.4	072.2	44.85
245.0	025.0000	0085.1	036.4	142.8	006.0000	0114.4	071.6	45.02
246.0	025.0000	0084.3	036.3	142.6	006.0000	0114.5	071.0	45.20
247.0	025.0000	0084.8	036.4	142.5	006.0000	0114.5	070.4	45.40
248.0	025.0000	0086.3	036.6	142.6	006.0000	0114.5	069.7	45.61
249.0	025.0000	0088.1	037.0	142.7	006.0000	0114.4	069.0	45.82
250.0	025.0000	0089.3	037.2	142.8	006.0000	0114.4	068.3	46.03
251.0	025.0000	0089.8	037.3	142.7	006.0000	0114.4	067.7	46.23
252.0	025.0000	0090.2	037.4	142.6	006.0000	0114.5	067.0	46.43
253.0	025.0000	0090.8	037.5	142.5	006.0000	0114.5	066.4	46.64
254.0	025.0000	0092.0	037.7	142.4	006.0000	0114.5	065.7	46.86
255.0	025.0000	0093.5	038.0	142.4	006.0000	0114.5	065.0	47.08
256.0	025.0000	0094.8	038.2	142.4	006.0000	0114.5	064.3	47.31
257.0	025.0000	0096.0	038.4	142.3	006.0000	0114.5	063.6	47.53
258.0	025.0000	0097.3	038.6	142.3	006.0000	0114.5	062.9	47.77
259.0	025.0000	0098.9	038.9	142.2	006.0000	0114.5	062.1	48.01
260.0	025.0000	0100.6	039.2	142.1	006.0000	0114.5	061.4	48.27
261.0	025.0000	0101.6	039.3	142.0	006.0000	0114.5	060.7	48.51
262.0	025.0000	0101.5	039.3	141.6	006.0000	0114.5	060.1	48.72
263.0	025.0000	0100.7	039.2	141.2	006.0000	0114.6	059.6	48.91
264.0	025.0000	0099.8	039.0	140.7	006.0000	0114.6	059.1	49.09
265.0	025.0000	0099.2	038.9	140.3	006.0000	0114.6	058.6	49.28
266.0	025.0000	0097.8	038.7	139.7	006.0000	0114.7	058.2	49.45
267.0	025.0000	0096.6	038.5	139.2	006.0000	0114.8	057.8	49.61
268.0	025.0000	0095.2	038.3	138.5	006.0000	0114.9	057.4	49.75
269.0	025.0000	0093.9	038.0	137.9	006.0000	0114.9	057.0	49.89
270.0	025.0000	0092.6	037.8	137.3	006.0000	0115.0	056.7	50.02
271.0	025.0000	0091.3	037.6	136.7	006.0000	0115.1	056.4	50.15
272.0	025.0000	0090.9	037.5	136.2	006.0000	0115.2	055.9	50.31

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
273.0	025.0000	0091.4	037.6	135.7	006.0000	0115.3	055.4	50.52
274.0	025.0000	0092.0	037.7	135.3	006.0000	0115.5	054.9	50.73
275.0	025.0000	0092.4	037.8	134.8	006.0000	0115.8	054.4	50.93
276.0	025.0000	0092.4	037.8	134.3	006.0000	0116.1	054.0	51.12
277.0	025.0000	0092.1	037.7	133.7	006.0000	0116.4	053.7	51.28
278.0	025.0000	0091.7	037.7	133.1	006.0000	0116.7	053.3	51.43
279.0	025.0000	0089.9	037.3	132.3	006.0000	0117.0	053.2	51.48
280.0	025.0000	0087.2	036.8	131.4	006.0000	0117.2	053.3	51.46
281.0	025.0000	0084.7	036.3	130.6	006.0000	0117.2	053.4	51.42
282.0	025.0000	0083.4	036.1	129.9	006.0000	0117.1	053.3	51.45
283.0	025.0000	0083.8	036.2	129.3	006.0000	0117.1	052.9	51.59
284.0	025.0000	0085.1	036.4	128.8	006.0000	0117.1	052.4	51.79
285.0	025.0000	0086.1	036.6	128.2	006.0000	0117.1	052.0	51.96
286.0	025.0000	0085.8	036.5	127.6	006.0000	0117.3	051.8	52.05
287.0	025.0000	0084.6	036.3	126.8	006.0000	0117.5	051.8	52.06
288.0	025.0000	0082.9	036.0	126.0	006.0000	0117.7	051.9	52.03
289.0	025.0000	0080.9	035.6	125.2	006.0000	0117.9	052.1	51.96
290.0	025.0000	0078.9	035.2	124.5	006.0000	0117.7	052.3	51.86
291.0	025.0000	0077.0	034.8	123.7	006.0000	0117.1	052.6	51.74
292.0	025.0000	0075.5	034.5	123.0	006.0000	0116.4	052.8	51.62
293.0	025.0000	0074.4	034.2	122.3	006.0000	0115.7	052.9	51.53
294.0	025.0000	0073.4	034.0	121.7	006.0000	0115.1	053.0	51.46
295.0	025.0000	0072.4	033.8	121.0	006.0000	0114.7	053.1	51.38
296.0	025.0000	0071.5	033.6	120.3	006.0000	0114.4	053.3	51.30
297.0	025.0000	0070.6	033.4	119.7	006.0000	0114.3	053.4	51.23
298.0	025.0000	0070.1	033.3	119.1	006.0000	0114.1	053.5	51.19
299.0	025.0000	0070.4	033.4	118.4	006.0000	0114.0	053.5	51.21
300.0	025.0000	0071.4	033.6	117.8	006.0000	0113.9	053.2	51.29
301.0	025.0000	0073.2	034.0	117.1	006.0000	0113.7	052.9	51.41
302.0	025.0000	0075.2	034.4	116.5	006.0000	0113.5	052.5	51.55
303.0	025.0000	0077.0	034.8	115.8	006.0000	0113.3	052.2	51.66
304.0	025.0000	0078.6	035.1	115.0	006.0000	0113.2	052.0	51.74
305.0	025.0000	0079.9	035.4	114.3	006.0000	0113.0	051.8	51.80
306.0	025.0000	0081.0	035.6	113.6	006.0000	0113.0	051.7	51.84
307.0	025.0000	0081.9	035.8	112.9	006.0000	0112.9	051.7	51.84
308.0	025.0000	0082.2	035.8	112.2	006.0000	0112.9	051.8	51.80
309.0	025.0000	0082.1	035.8	111.5	006.0000	0112.8	051.9	51.72
310.0	025.0000	0082.0	035.8	110.9	006.0000	0112.4	052.2	51.61
311.0	025.0000	0081.9	035.8	110.2	006.0000	0111.8	052.4	51.49
312.0	025.0000	0081.8	035.8	109.6	006.0000	0111.1	052.6	51.35
313.0	025.0000	0081.9	035.8	109.0	006.0000	0110.3	052.9	51.21
314.0	025.0000	0082.3	035.9	108.3	006.0000	0109.5	053.0	51.09
315.0	025.0000	0083.5	036.1	107.6	006.0000	0108.6	053.1	51.00
316.0	025.0000	0085.3	036.5	106.8	006.0000	0107.6	053.1	50.94
317.0	025.0000	0087.7	036.9	106.0	006.0000	0106.7	053.0	50.91
318.0	025.0000	0090.0	037.3	105.1	006.0000	0106.0	053.0	50.87
319.0	025.0000	0092.0	037.7	104.3	006.0000	0105.7	053.1	50.83
320.0	025.0000	0093.7	038.0	103.5	006.0000	0105.9	053.2	50.80
321.0	025.0000	0095.6	038.3	102.8	006.0000	0106.1	053.3	50.75
322.0	025.0000	0097.4	038.6	102.0	006.0000	0106.2	053.5	50.69
323.0	025.0000	0098.9	038.9	101.3	006.0000	0106.1	053.7	50.59

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
324.0	025.0000	0099.7	039.0	100.6	006.0000	0106.0	054.1	50.44
325.0	025.0000	0099.9	039.1	100.1	006.0000	0105.7	054.6	50.26
326.0	025.0000	0100.1	039.1	099.6	006.0000	0105.6	055.0	50.07
327.0	025.0000	0100.4	039.1	099.0	006.0000	0105.5	055.5	49.89
328.0	025.0000	0100.4	039.1	098.6	006.0000	0105.5	056.0	49.69
329.0	025.0000	0100.0	039.1	098.2	006.0000	0105.4	056.6	49.47
330.0	025.0000	0099.4	039.0	097.8	006.0000	0105.4	057.2	49.25
331.0	025.0000	0099.1	038.9	097.4	006.0000	0105.4	057.7	49.04
332.0	025.0000	0099.3	039.0	097.0	006.0000	0105.3	058.3	48.84
333.0	025.0000	0099.4	039.0	096.6	006.0000	0105.3	058.8	48.63
334.0	025.0000	0099.2	038.9	096.3	006.0000	0105.2	059.4	48.41
335.0	025.0000	0098.2	038.8	096.1	006.0000	0105.0	060.1	48.17
336.0	025.0000	0096.3	038.5	096.0	006.0000	0105.0	060.8	47.90
337.0	025.0000	0094.2	038.1	096.0	006.0000	0105.0	061.6	47.64
338.0	025.0000	0093.0	037.9	095.9	006.0000	0104.9	062.2	47.40
339.0	025.0000	0092.9	037.9	095.6	006.0000	0104.7	062.8	47.19
340.0	025.0000	0093.3	037.9	095.3	006.0000	0104.5	063.4	47.00
341.0	025.0000	0093.3	037.9	095.0	006.0000	0104.3	064.0	46.80
342.0	025.0000	0093.3	037.9	094.8	006.0000	0104.2	064.6	46.60
343.0	025.0000	0093.4	037.9	094.5	006.0000	0104.0	065.2	46.40
344.0	025.0000	0093.4	038.0	094.3	006.0000	0103.9	065.8	46.20
345.0	025.0000	0093.9	038.0	094.1	006.0000	0103.6	066.4	46.01
346.0	025.0000	0094.8	038.2	093.7	006.0000	0103.4	067.0	45.82
347.0	025.0000	0095.8	038.4	093.4	006.0000	0103.1	067.6	45.62
348.0	025.0000	0096.2	038.4	093.2	006.0000	0102.9	068.2	45.42
349.0	025.0000	0095.3	038.3	093.2	006.0000	0102.8	068.9	45.21
350.0	025.0000	0094.0	038.1	093.2	006.0000	0102.9	069.6	45.01
351.0	025.0000	0093.1	037.9	093.2	006.0000	0102.9	070.3	44.80
352.0	025.0000	0093.1	037.9	093.1	006.0000	0102.7	070.9	44.60
353.0	025.0000	0094.0	038.1	092.9	006.0000	0102.4	071.5	44.40
354.0	025.0000	0094.9	038.2	092.7	006.0000	0102.0	072.2	44.20
355.0	025.0000	0096.0	038.4	092.5	006.0000	0101.6	072.8	43.99
356.0	025.0000	0097.2	038.6	092.2	006.0000	0101.3	073.4	43.78
357.0	025.0000	0098.2	038.8	092.0	006.0000	0100.9	074.1	43.58
358.0	025.0000	0099.1	038.9	091.9	006.0000	0100.7	074.8	43.37
359.0	025.0000	0098.7	038.9	091.9	006.0000	0100.7	075.4	43.18