

Sherman, Texas

North Texas Public Broadcasting

REFERENCE CH# 255D - 98.9 MHz, Pwr= 0.17 kW, MaxHAAT=123.8 M, COR= 306 M DISPLAY DATES
33 42 10 N Average Protected F(50-50)= 12.96 km DATA 08-23-03
96 34 05 W Ave. F(50-10) 40 dBu= 44.1 54 dBu= 19.4 80 dBu= 4.0 100 dBu= .9 SEARCH 08-25-03

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	COR(M) INT(km)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
255D Sherman	AP255	APP TX	C 0.0 180.0	0.00 BNPFT20030314BGW	33 42 10 96 34 05	0.170 94	309 41.9	11.4 North Texas Public Broadca	-51.24*<	-53.35*<
256C Denton	KHCKFM	LIC TX	CY 249.6 69.6	98.87 BLH19880926KC	33 23 22 97 33 53	100.000 361	639 13.4	76.9 Khck-fm License Corp.	-24.11<	8.58
252C3 Bonham	RDEL	DEL TX	217.2 297.2	35.97	33 33 16 96 13 24	25.000 -195	0 0.9	22.7	21.22	12.39
252C3 Bonham	KFYZFM	LIC TX	CX 117.2 297.2	35.97 BLH20011015AAB	33 33 16 96 13 24	12.500 81	276 0.9	30.3 North Texas Radio Group, L	20.47	4.74
255A Reno	ALLO	VAC TX	92.1 272.1	89.63	33 40 12 95 36 08	6.000 -165	0 43.8	15.8	8.44	30.03
252C0 Bridgeport	RADD	ADD TX	251.1 71.1	90.08	33 26 13 97 29 05	100.000 467	731 0.9	84.6	68.15	4.52
254C Dallas	KLUVFM«	LIC TX	CY 196.8 16.8	129.08 BLH19990216KA	32 35 19 96 58 05	100.000 489	698 15.6	86.1 Infinity Broadcasting Corp	-10.18<	27.44
253C3 Ardmore	RDEL	DEL OK	318.4 138.4	71.41	34 10 56 97 05 01	25.000 -244	0 0.9	22.7	58.62	47.83
253C3 Ardmore	KACO	LIC OK	NCN 318.4 138.4	71.41 BLH19971010KI	34 10 56 97 05 01	14.000 109	353 0.9	35.9 A.m. & P.m. Communications	57.29	34.61
258C Fort Worth	KPLX	LIC TX	CN 197.0 17.0	130.02 BMLH19850211KR	32 34 54 96 58 32	100.000 506	704 0.9	87.1 Kpl x Li co, Inc.	106.49	42.04
201C1 Mckinney	KNTU	LIC TX	DC 229.1 49.1	69.88 BLED20000711AAA	33 17 24 97 08 10	100.000 143	330 9.9	57.5 University Of North Texas	22.0R	47.9M
202C2 Tishomingo	KAZC	LIC OK	CX 0.6 180.6	72.84 BLED20020430AAD	34 21 34 96 33 34	5.500 301	527 12.3	44.8 South Central Oklahoma Chr	15.0R	57.8M
256D Greenville	AP256	APP TX	C 145.4 325.4	76.36 BNPFT20030317CIK	33 08 09 96 06 08	0.250 35	210 17.0	7.6 Houston Christian Broadcas	53.85	51.75
201D Greenville	K201GP	CP TX	DV 141.4 321.4	72.90 BNPFT19991110AAA	33 11 20 96 04 45	0.000 59	248 11.7	0.0 Pensacola Christian Colleg	3.2R	69.7M
255C Oklahoma City	KYIS	LIC OK	CN 338.1 158.1	222.53 BLH19840423CW	35 33 36 97 29 07	100.000 331	688 37.9	74.7 Citadel Broadcasting Compa	35.71	109.94

***Affixed to 'IN' or 'Out' values = site inside protected contour.

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

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

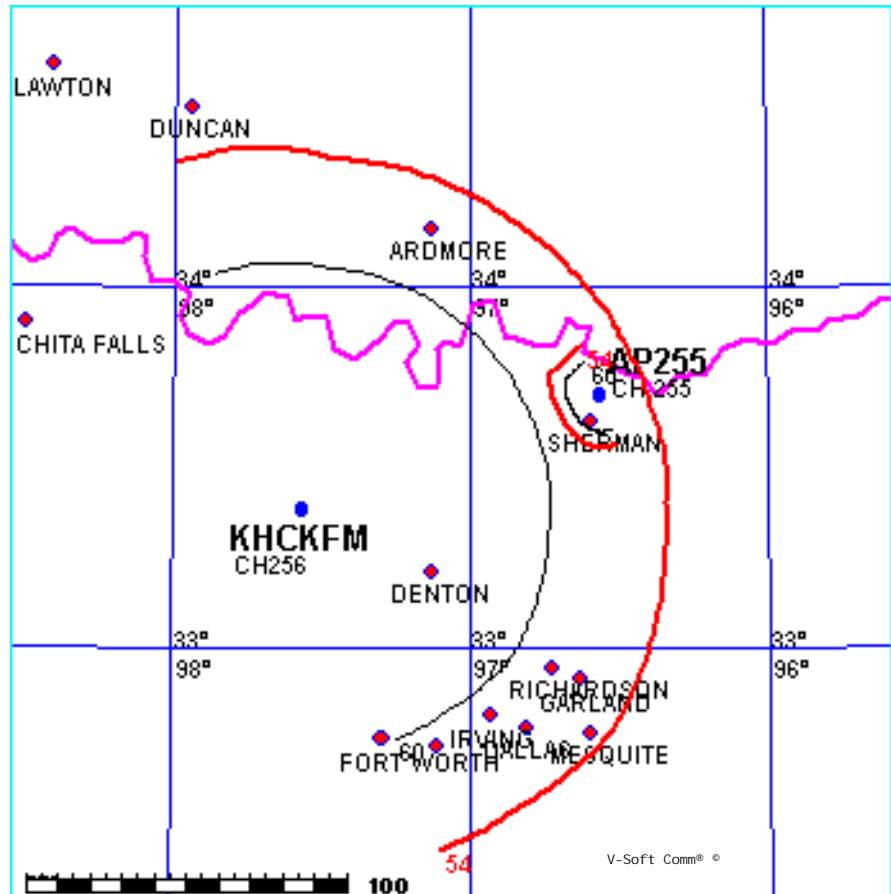
FMCONT Allocation Study

07-28-2003

AP255 CH 255 D
.17 kW 306M COR
Prot. = 60 dBu
Intef. = 54 dBu

KHCKFM CH 256 C
100kW, 639 M COR
Prot. = 60 dBu
Intef. = 54 dBu
File # BLH19880926KC

1: 2, 500, 000



KHCKFM BLH19880926KC
Channel = 256C
Max ERP = 100 kW
RCAMSL = 639 M
N. Lat = 33 23 22
W. Lng = 97 33 53

AP255
Channel = 255D
Max ERP = 0.17 kW
RCAMSL = 306 M
N. Lat = 334210
W. Lng = 963405

Protected
60 dBu

Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
052.0	100.0000	0351.0	076.2	290.7	000.1700	0093.6	034.7	41.8
053.0	100.0000	0351.5	076.2	289.6	000.1700	0093.8	033.4	42.4
054.0	100.0000	0352.0	076.2	288.3	000.1700	0093.0	032.3	42.9
055.0	100.0000	0353.0	076.3	287.0	000.1700	0091.5	031.2	43.3
056.0	100.0000	0354.8	076.4	285.6	000.1700	0089.3	030.1	43.6
057.0	100.0000	0356.6	076.6	284.0	000.1700	0084.5	029.0	43.7
058.0	100.0000	0357.9	076.7	282.3	000.1700	0082.6	028.0	44.1
059.0	100.0000	0358.2	076.7	280.2	000.1700	0081.5	027.1	44.6
060.0	100.0000	0357.6	076.6	277.9	000.1700	0079.2	026.2	44.9
061.0	100.0000	0356.6	076.6	275.4	000.1700	0076.2	025.5	45.0
062.0	100.0000	0355.5	076.5	272.7	000.1700	0075.3	024.9	45.4
063.0	100.0000	0354.9	076.4	270.0	000.1700	0075.7	024.3	45.8
064.0	100.0000	0355.2	076.5	267.1	000.1700	0074.3	023.7	46.1
065.0	100.0000	0356.4	076.6	264.1	000.1700	0072.0	023.1	46.2
066.0	100.0000	0358.1	076.7	261.0	000.1700	0069.9	022.6	46.4
067.0	100.0000	0359.6	076.8	257.7	000.1700	0067.3	022.2	46.4
068.0	100.0000	0360.7	076.9	254.3	000.1700	0065.3	022.0	46.3
069.0	100.0000	0361.0	076.9	250.8	000.1700	0065.7	021.9	46.5
070.0	100.0000	0361.0	076.9	247.2	000.1700	0064.3	021.9	46.3
071.0	100.0000	0360.7	076.9	243.7	000.1700	0063.5	022.0	46.1
072.0	100.0000	0360.4	076.8	240.3	000.1700	0064.5	022.3	46.0
073.0	100.0000	0360.2	076.8	237.0	000.1700	0065.5	022.6	45.9
074.0	100.0000	0360.3	076.8	233.8	000.1700	0066.0	023.0	45.6
075.0	100.0000	0360.8	076.9	230.7	000.1700	0068.2	023.5	45.5
076.0	100.0000	0361.8	076.9	227.7	000.1700	0069.7	024.0	45.3
077.0	100.0000	0362.8	077.0	224.9	000.1700	0069.0	024.6	44.8
078.0	100.0000	0364.0	077.1	222.3	000.1700	0068.9	025.3	44.3
079.0	100.0000	0365.4	077.2	219.7	000.1700	0070.4	026.1	44.0
080.0	100.0000	0366.8	077.3	217.4	000.1700	0072.8	026.9	43.7
081.0	100.0000	0368.0	077.4	215.3	000.1700	0074.6	027.8	43.4
082.0	100.0000	0368.7	077.5	213.3	000.1700	0076.6	028.7	43.0
083.0	100.0000	0368.3	077.4	211.7	000.1700	0077.1	029.8	42.5
084.0	100.0000	0367.5	077.4	210.2	000.1700	0077.1	030.9	41.9
085.0	100.0000	0366.7	077.3	208.9	000.1700	0077.2	032.0	41.3
086.0	100.0000	0365.8	077.2	207.7	000.1700	0077.2	033.2	40.8

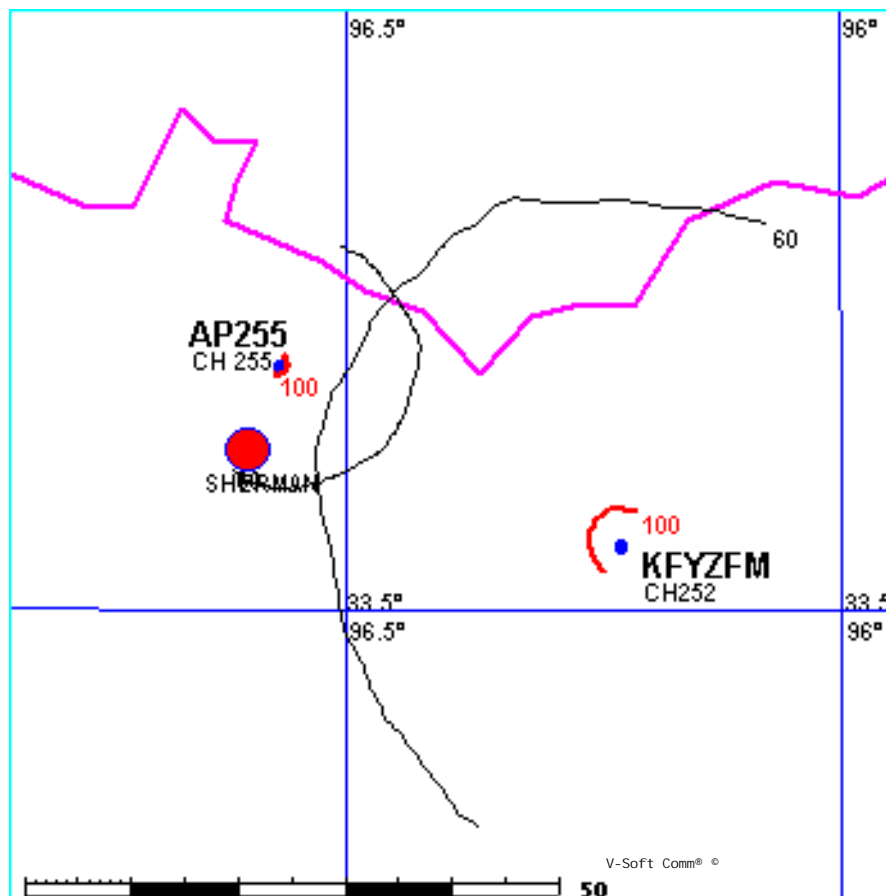
FMCONT Allocation Study

07-28-2003

AP255 CH 255 D
.17 kW 306M COR
Prot. = 60 dBu
Intef. = 100 dBu

KFYZFM CH 252 C3
12.5kW, 276 M COR
Prot. = 60 dBu
Intef. = 100 dBu
File # BLH20011015AAB

1: 750, 000



KFYZFM BLH20011015AAB
Channel = 252C3
Max ERP = 12.5 kW
RCAMSL = 276 M
N. Lat = 33 33 16
W. Lng = 96 13 24

AP255
Channel = 255D
Max ERP = 0.17 kW
RCAMSL = 306 M
N. Lat = 334210
W. Lng = 963405

Protected
60 dBu

Interfering
100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
280.0	012.5000	0071.9	028.6	161.7	000.1700	0095.1	012.1	59.0
281.0	012.5000	0072.7	028.8	161.2	000.1700	0096.1	011.6	59.9
282.0	012.5000	0073.4	028.9	160.5	000.1700	0096.2	011.1	60.7
283.0	012.5000	0074.4	029.1	159.9	000.1700	0096.2	010.6	61.5
284.0	012.5000	0075.6	029.3	159.2	000.1700	0095.3	010.0	62.4
285.0	012.5000	0076.8	029.5	158.5	000.1700	0094.1	009.5	63.3
286.0	012.5000	0077.9	029.7	157.5	000.1700	0093.6	009.0	64.2
287.0	012.5000	0078.5	029.8	155.9	000.1700	0093.9	008.5	65.1
288.0	012.5000	0078.8	029.9	153.8	000.1700	0095.8	008.1	66.2
289.0	012.5000	0078.9	029.9	151.1	000.1700	0095.7	007.7	67.0
290.0	012.5000	0079.0	029.9	148.1	000.1700	0096.8	007.3	67.9
291.0	012.5000	0079.0	029.9	144.8	000.1700	0098.5	007.0	68.8
292.0	012.5000	0079.0	029.9	141.1	000.1700	0100.2	006.8	69.7
293.0	012.5000	0079.3	029.9	137.3	000.1700	0103.1	006.5	70.8
294.0	012.5000	0079.9	030.0	133.2	000.1700	0108.7	006.2	72.0
295.0	012.5000	0080.5	030.2	128.8	000.1700	0112.4	005.9	73.1
296.0	012.5000	0081.0	030.2	123.9	000.1700	0112.4	005.7	73.7
297.0	012.5000	0081.4	030.3	118.6	000.1700	0113.4	005.6	74.0
298.0	012.5000	0081.4	030.3	113.2	000.1700	0114.7	005.7	74.1
299.0	012.5000	0081.2	030.3	108.0	000.1700	0114.9	005.8	73.8
300.0	012.5000	0081.0	030.2	103.1	000.1700	0115.5	005.9	73.3
301.0	012.5000	0080.8	030.2	098.4	000.1700	0115.9	006.1	72.7
302.0	012.5000	0080.6	030.2	094.2	000.1700	0120.3	006.4	72.3
303.0	012.5000	0080.3	030.1	090.4	000.1700	0123.5	006.7	71.7
304.0	012.5000	0080.2	030.1	086.9	000.1700	0125.4	007.0	71.0
305.0	012.5000	0080.5	030.1	083.3	000.1700	0130.3	007.3	70.5
306.0	012.5000	0081.1	030.3	079.8	000.1700	0130.7	007.6	69.9
307.0	012.5000	0081.9	030.4	076.4	000.1700	0127.2	007.9	69.0
308.0	012.5000	0082.6	030.5	073.4	000.1700	0123.9	008.2	68.0
309.0	012.5000	0083.2	030.6	070.7	000.1700	0123.0	008.6	67.2
310.0	012.5000	0084.1	030.8	068.0	000.1700	0121.5	009.0	66.4
311.0	012.5000	0085.2	031.0	065.5	000.1700	0120.1	009.4	65.5
312.0	012.5000	0086.0	031.1	063.4	000.1700	0118.3	009.8	64.6
313.0	012.5000	0086.5	031.2	061.8	000.1700	0118.0	010.3	63.7
314.0	012.5000	0086.8	031.3	060.7	000.1700	0117.7	010.8	62.8