

Houston Christian Broadcasters, Inc.  
KALD, Caldwell, Texas

REFERENCE  
30 35 57.0 N.  
96 38 32.0 W.

CLASS = C2  
Current Spacings to 3rd Adj.  
Channel 220 - 91.9 MHz

DISPLAY DATES  
DATA 02-26-09  
SEARCH 02-26-09

Call	Channel	Location	Azi	Dist	FCC	Margin
KALD	APP-N 220C2	Caldwell	TX 92.6	7.6	189.5	-181.9
KALD	CP 220A	Caldwell	TX 253.5	16.6	165.5	-148.9
KCEN-TV	LI 06+2C	Temple	TX 323.8	93.0	153.5	-60.5
KLLR	LIC-Z 220A	Dripping Springs	TX 251.6	139.0	165.5	-26.5
KOOP	APP-D 219C2	Hornsby	TX 249.8	105.8	129.5	-23.7
KVRX	APP-D 219C2	Austin	TX 249.8	105.8	129.5	-23.7
VA8855	VAC 220A	Gonzales	TX 212.9	144.5	165.5	-21.0
KYLR	LIC-N 221A	Hutto	TX 265.7	90.4	105.5	-15.1
KVRX	LIC 219A	Austin	TX 249.8	105.8	105.5	0.27
KOOP	LIC 219A	Hornsby	TX 249.8	105.8	105.5	0.27
KWUP	LIC 223A	Navasota	TX 110.5	57.8	54.5	3.3
KWUP	CP -N 223A	Navasota	TX 104.4	58.8	54.5	4.3
KHML	LIC 218C1	Madisonville	TX 49.0	87.0	78.5	8.5
AL4660	VAC 274A	Milano	TX 280.3	26.7	14.5	12.2
KTRU	LIC 219C2	Houston	TX 113.9	144.7	129.5	15.2
KAVX	LIC 220C2	Lufkin	TX 65.3	208.9	189.5	19.4
KNRG	LIC 222A	New Ulm	TX 179.8	78.4	54.5	23.9
KNCT-FM	LIC 217C1	Killeen	TX 294.8	103.8	78.5	25.3
KPVU	CP -D 217C2	Prairie View	TX 132.3	84.0	57.5	26.5
KPVU	LIC-D 217C3	Prairie View	TX 132.3	84.0	55.5	28.5
KXXS	LIC-Z 223A	Elgin	TX 240.0	84.2	54.5	29.7

**NOTE 1:** Of the short-spacings indicated above, only one (KYLR, CH 221A, Hutto, TX) is with respect to a commercial FM station. This short-spacing has been analyzed under and found to comply with the requirements of §73.215 of the FCC Rules. See Sheet 2 of this Figure and also see Figure 5.

The remaining short-spacings are with respect to either NCE FM stations or a Channel 6 TV station. Allocation constraints with respect to these classes of short-spacings are based on contour overlap. See Sheet 2 of this Figure and also see Figure 5 for FM to FM analysis and Figure 6 for FM to TV analysis.

**NOTE 2:** Vacant allotments in the noncommercial educational FM band have no domestic status, but merely represent "placeholders" relative to protection between US and Mexican NCE allocations - and therefore should be ignored with respect to the instant proposal.



FEBRUARY 2009

**FIGURE 3 - Sheet 1 of 2**  
**NCE Allocation Study**  
**Standard Distance Separation Analysis**  
**{Amendment to Pending Application}**

**KALD[FM] CALDWELL, TEXAS**  
**CH 220C2 19 kW 118 m**

Houston Christian Broadcasters, Inc.														
KALD, Caldwell, Texas														
CH# 220C2 - 91.9 MHz, Pwr= 19 kW, HAAT= 118.3 M, COR= 220.1 M														
Average Protected F(50-50)= 39.58 km														
73.215 Omni-directional														
DISPLAY DATES														
DATA 02-26-09														
SEARCH 02-26-09														
CH	CALL	TYPE	ANT	AZI	DIST	LAT	PWR(kw)	INT(km)	PRO(km)	*IN*	*OUT*			
CITY	STATE			<--	FILE #	LNG	HAAT(M)	COR(M)	LICENSEE	(Overlap in km)				
220C2 KALD	APP NCX	92.6	7.6			30 35 46.0	40.000	121.2	38.8	-155.8*	-145.1*			
Caldwell	TX	272.6	BMPED20070907AEH			96 33 48.0	100	190	Houston Christian Broadcas					
220A KALD	CP _CX	253.5	16.6			30 33 24.0	6.000	88.1	29.4	-108.1*	-119.9*			
Caldwell	TX	73.4	BPED19980922MB			96 48 29.0	100	225	Houston Christian Broadcas					
06+2C KCEN-TV	LI _HY	323.8	93.0			31 16 24.0	100.000	9.0	128.3	153.5R	-44.3M			
Temple	TX	143.5	BLCT19811231KH			97 13 14.0	573	756	Channel 6, Inc.					
223A KWUP«	LIC _CN	110.5	57.8			30 24 58.0	6.000	0.0	0.0	54.5R	3.3M			
Navasota	TX	290.8	BLH19931122KA			96 04 43.0	80	152	Ksbj Educational Foundatio					
223A KWUP«	CP NCX	104.4	58.8			30 27 58.0	3.300	0.0	0.0	54.5R	4.3M			
Navasota	TX	284.8	BPH20081103ADL			96 02 57.0	136	217	Ksbj Educational Foundatio					
221A KYLR	LIC NCX	265.7	90.4			30 32 04.0	2.500	42.0	27.7	11.4	5.7			
Hutto	TX	85.2	BLED20060901ACQ			97 34 52.0	137	343	Educational Media Foundati					
220A VA8855	VAC _N	212.9	144.5			29 30 12.0	6.000	84.9	26.9	21.5	8.9			
Gonzales	TX	32.5				97 27 13.0	100	198						
274A AL4660«	VAC _	280.3	26.7			30 38 30.0	6.000	0.0	0.0	14.5R	12.2M			
Milano	TX	100.1	RMrf530*			96 55 00.0	100	241	Starboard Media Foundation					
220A KLLR	LIC ZCX	251.6	139.0			30 11 53.0	1.100	43.4	13.0	58.9	16.8			
Dripping Springs	TX	70.9	BLED20070228ABJ			98 00 45.0	144	462	Educational Media Foundati					
219C2 KOOP	APP DCX	249.8	105.8			30 16 00.0	50.000	45.3	26.5	23.7	19.8			
Hornsby	TX	69.2	BPED20070905AAJ			97 40 27.0	26	193	Texas Educational Broadcas					
219C2 KVRX	APP DCX	249.8	105.8			30 16 00.0	50.000	45.3	26.5	23.7	19.8			
Austin	TX	69.2	BPED20070905AAQ			97 40 27.0	26	193	The University of Texas At					
222A KNRG«	LIC _C_	179.8	78.4			29 53 30.0	6.000	0.0	0.0	54.5R	23.9M			
New Ulm	TX	359.8	BLH19990804KE			96 38 22.0	100	199	Roy E. Henderson Tr/as New					
219C2 KTRU	LIC _CN	113.9	144.7			30 03 54.0	50.000	77.7	51.8	24.4	28.9			
Houston	TX	294.6	BLED19910614KD			95 16 10.0	150	175	William Marsh Rice Univers					
217C1 KNCT-FM	LIC _CN	294.8	103.8			30 59 12.0	50.000	9.4	71.4	57.4	28.3			
Killeen	TX	114.3	BMLD19810220AE			97 37 47.0	357	589	Central Texas College					
223A KXXS«	LIC ZCX	240.0	84.2			30 13 07.0	3.400	0.0	0.0	54.5R	29.7M			
Elgin	TX	59.6	BLH20060516ACP			97 24 03.0	134	273	Bmp Austin License Company					
218C1 KHML	LIC _CX	49.0	87.0			31 06 39.6	95.000	5.8	50.8	38.8	31.8			
Madisonville	TX	229.3	BLED20070607ACN			95 57 08.6	104	201	Houston Christian Broadcas					
219A KOOP	LIC _CN	249.8	105.8			30 16 00.0	3.000	19.5	13.2	49.5	34.1			
Hornsby	TX	69.2	BLED19950103KA			97 40 27.0	26	193	Texas Educational Broadcas					
219A KVRX	LIC _CN	249.8	105.8			30 16 00.0	3.000	19.5	13.2	49.5	34.1			
Austin	TX	69.2	BLED19941123KA			97 40 27.0	26	193	The University of Texas At					
Terrain database is NED 03 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM														
In & Out distances between contours are shown at closest points. Reference zone = 2, Co to 3rd adjacent.														
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.														

Terrain database is NED 03 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM  
In & Out distances between contours are shown at closest points. Reference zone = 2, Co to 3rd adjacent.  
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.

This NCE proposal would not result in predicted normally prohibited contour overlap with any existing or previously proposed FM facility. See Figure 6 for a more detailed treatment of interference protection to KCEN-TV, Channel 6, Temple, Texas.

## FIGURE 3 - Sheet 2 of 2 NCE Allocation Study Contour Overlap Analysis {Amendment to Pending Application}

KALD[FM] CALDWELL, TEXAS  
CH 220C2 19 kW 118 m