

Houston Christian Broadcasters, Inc.
KALD, Caldwell, TX - Final Site

REFERENCE
30 33 44.7 N.
96 46 50.5 W.

CLASS = C3
Current Spacings to 3rd Adj.
Channel 220 - 91.9 MHz

DISPLAY DATES
DATA 06-10-09
SEARCH 06-11-09

Call	Channel	Location	Azi	Dist	FCC	Margin
KALD	APP-N 220C2	Caldwell	TX 72.8	13.9	176.5	-162.6
KALD	CP 220A	Caldwell	TX 256.3	2.7	141.5	-138.8
KCEN-TV	LI 06+2C	Temple	TX 332.2	89.3	153.5	-64.2
KOOP	APP-D 219C2	Hornsby	TX 249.2	91.9	116.5	-24.6
KVRX	APP-D 219C2	Austin	TX 249.2	91.9	116.5	-24.6
KLLR	LIC-Z 220A	Dripping Springs	TX 251.4	125.1	141.5	-16.4
KYLR	LIC-N 221A	Hutto	TX 267.9	76.9	88.5	-11.6
VAG855	VAC 220A	Gonzales	TX 209.0	134.1	141.5	-7.4
KVRX	LIC 219A	Austin	TX 249.2	91.9	88.5	3.4
KOOP	LIC 219A	Hornsby	TX 249.2	91.9	88.5	3.4
AL4660	VAC 274A	Milano	TX 304.1	15.7	11.5	4.2
KNCT-FM	LIC 217C1	Killeen	TX 300.4	93.9	75.5	18.4
KHML	LIC 218C1	Madisonville	TX 52.1	99.9	75.5	24.4
KXXS	LIC-Z 223A	Elgin	TX 237.4	70.7	41.5	29.2
KWUP	LIC-N 223A	Navasota	TX 98.5	71.0	41.5	29.5
KNRG	LIC 222A	New Ulm	TX 169.7	75.6	41.5	34.1
KPVU	CP -D 217C2	Prairie View	TX 124.7	91.9	55.5	36.4
KTRU	LIC 219C2	Houston	TX 110.5	155.5	116.5	39.0
KAVX	LIC 220C2	Lufkin	TX 65.7	222.7	176.5	46.2
KPVU	LIC-D 217C3	Prairie View	TX 124.7	91.9	42.5	49.4

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.



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FIGURE 3 - Sheet 1 of 2
NCE Allocation Study
Standard Distance Separation Analysis
{June Application for Modification of CP}

KALD[FM] CALDWELL, TEXAS
CH 220C3 12.5 kW 93.2 m

Houston Christian Broadcasters, Inc.											
KALD, Caldwell, TX - Final Site											
CH# 220C3 - 91.9 MHz, Pwr= 12.5 kW, HAAT= 93.2 M, COR= 221 M											
Average Protected F(50-50)= 32.44 km											
Omni-directional											
DISPLAY DATES											
DATA 06-10-09											
SEARCH 06-11-09											
REFERENCE	30 33 44.7 N.										
	96 46 50.5 W.										
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	72.8	13.9	30 35 57.0	19.000	107.7	37.2	-129.2*<	-124.3*<
Caldwell		TX		252.9	BMPED20070907AEH	96 38 32.0	118	220	Houston Christian Broadcas		
220A	KALD	CP	_CX	256.3	2.7	30 33 24.0	6.000	88.5	29.7	-117.3*<	-123.9*<
Caldwell		TX		76.3	BPED19980922MB	96 48 29.0	100	225	Houston Christian Broadcas		
06+2C	KCEN-TV	LI	_HY	332.2	89.3	31 16 24.0	100.000	7.2	128.3	153.5R	-46.2M
Temple		TX		151.9	BLCT19811231KH	97 13 14.0	573	756	Kcen License Company, LLC		
221A	KYLR	LIC	NCX	267.9	76.9	30 32 04.0	2.500	42.7	28.2	3.3	0.4
Hutto		TX		87.5	BLED20060901ACQ	97 34 52.0	137	343	Educational Media Foundati		
274A	AL4660«	VAC	---	304.1	15.7	30 38 30.0	6.000	0.0	0.0	11.5R	4.2M
Milano		TX		124.1	RMrf30*	96 55 00.0	100	240	Starboard Media Foundation		
220A	VA8855	VAC	_N	209.0	134.1	29 30 12.0	6.000	85.0	26.9	15.7	8.2
Gonzales		TX		28.6		97 27 13.0	100	195			
220A	KLLR	LIC	ZCX	251.4	125.1	30 11 53.0	1.100	43.3	13.0	50.0	13.5
Dripping Springs		TX		70.8	BLED20070228ABJ	98 00 45.0	144	462	Educational Media Foundati		
219C2	KOOP	APP	DCX	249.2	91.9	30 16 00.0	50.000	45.3	26.5	14.9	14.5
Hornsby		TX		68.8	BPED20070905AAJ	97 40 27.0	26	193	Texas Educational Broadcas		
219C2	KVRX	APP	DCX	249.2	91.9	30 16 00.0	50.000	45.3	26.5	14.9	14.5
Austin		TX		68.8	BPED20070905AAQ	97 40 27.0	26	193	The University of Texas At		
217C1	KNCT-FM	LIC	_CN	300.4	93.9	30 59 12.0	50.000	9.3	71.3	55.0	19.7
Killeen		TX		120.0	BMLED19810220AE	97 37 47.0	357	589	Central Texas College		
219A	KOOP	LIC	_CN	249.2	91.9	30 16 00.0	3.000	19.5	13.2	40.7	27.6
Hornsby		TX		68.8	BLED19950103KA	97 40 27.0	26	193	Texas Educational Broadcas		
219A	KVRX	LIC	_CN	249.2	91.9	30 16 00.0	3.000	19.5	13.2	40.7	27.6
Austin		TX		68.8	BLED19941123KA	97 40 27.0	26	193	The University of Texas At		
223A	KXXS«	LIC	ZCX	237.4	70.7	30 13 07.0	3.400	0.0	0.0	41.5R	29.2M
Elgin		TX		57.1	BLH20060516ACP	97 24 03.0	134	273	Bmp Austin License Company		
223A	KWUP«	LIC	NCX	98.5	71.0	30 27 58.0	3.300	0.0	0.0	41.5R	29.5M
Navasota		TX		278.9	BLED20090206AEF	96 02 57.0	136	217	Ksbj Educational Foundatio		
222A	KNRG«	LIC	_C	169.7	75.6	29 53 30.0	6.000	0.0	0.0	41.5R	34.1M
New Ulm		TX		349.7	BLH19990804KE	96 38 22.0	100	199	Roy E. Henderson Tr/as New		
219C2	KTRU	LIC	_CN	110.5	155.5	30 03 54.0	50.000	77.7	51.8	42.0	48.9
Houston		TX		291.3	BLED19910614KD	95 16 10.0	150	175	William Marsh Rice Univers		
218C1	KHML	LIC	_CX	52.1	99.9	31 06 39.6	95.000	5.8	50.4	57.8	45.8
Madisonville		TX		232.6	BLED20070607ACN	95 57 08.6	104	201	Houston Christian Broadcas		

Terrain database is NGDC 30 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.



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FIGURE 3 - Sheet 2 of 2 NCE Allocation Study Contour Overlap Analysis {June Application for Modification of CP}

KALD[FM] CALDWELL, TEXAS
CH 220C3 12.5 kW 93.2 m