



Figure 1

K296FJ, VIDOR, TX : MINOR CHANGE TO LICENSED FACILITY
Minor change showing



Table 1

**K296FJ Minor Change to Licensed Facility April 2011
Channel Study**

Chan	Class	Call Letters	Type	Status	City	State	Country	Owner	Distance (km)	Bearing TO (deg)	Req. Dist. (km)	Clearance (km)	(see Note and Figure 2)
241	C1	KYKZ	FM	LIC	LAKE CHARLES	LA	US	CUMULUS LICENSING LLC	64.1	62.1	22.0	42.1	(see Note and Figure 2)
291	C0	KIOC	FM	LIC	ORANGE	TX	US	CAPSTAR TX LLC	20.5	345.9	75.7	-55.1	
293	C	KOVE-FM	FM	LIC	GALVESTON	TX	US	UNIVISION RADIO LICENSE CORPORA	136.4	236.8	110.9	25.5	
295	C	KHPT	FM	LIC	CONROE	TX	US	COX RADIO, INC.	117.9	284.2	109.4	8.5	
295	C	KHPT	FS	LIC	CONROE	TX	US	COX RADIO, INC.	117.9	284.2	78.9	39.0	
295	C	KHPT	FS	LIC	CONROE	TX	US	COX RADIO, INC.	129.3	288.2	94.9	34.4	
296	L1	KSAP-LP	FL	LIC	PORT ARTHUR	TX	US	TRUTH AND EDUCATION	7.8	173.0	6.8	1.0	
296	L1	KSAP-LP	FL	CP	PORT ARTHUR	TX	US	TRUTH AND EDUCATION	11.8	181.4	6.7	5.1	
296	D	K296FJ	FX	LIC	VIDOR	TX	US	HOUSTON CHRISTIAN BROADCASTER	18.9	343.6	7.4	11.6	

(with respect to KIOC) 3rd adjacent KIOC (LIC) has a field strength of 88.5 dBu F(50,50) at the K296FJ site. Therefore K296FJ's interfering contour is the 128.5 dBu F(50,10) contour. K296FJ's 128.5 dBu F(50,10) contour extends a horizontal distance of 42 meters from the antenna. This is far less than the 98 meter elevation of the antenna above ground level so the interfering contour does not reach ground level. Therefore the interfering contour does not contain any structures or population. Therefore this proposal is compliant with the allowance of Rule 74.1204(d).

Radiofrequency Electromagnetic Exposure Analysis

Source	Height AGL(m)	Antenna type	Bays	Horizontal ERP (kw)	Vertical ERP (kw)	Power Density $\mu\text{W}/\text{cm}^2$ at 2 meters AGL			
						Maximum power density	% controlled environment limit (1000 $\mu\text{W}/\text{cm}^2$)	% uncontrolled environment limit (200 $\mu\text{W}/\text{cm}^2$)	Distance to maximum PD (m)
PROPOSED	98	ERI LPX-1 E	1	0.250	0.250	0.4	0.04%	0.20%	96
						0.4	0.04%	0.20%	96

The proposed facility is excluded from environmental processing under 47. C.F.R. Section 1.1306 (i.e., The facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments).

Determined using FCC FM Model 2.10