

Comprehensive Engineering Exhibit
Clear Channel Broadcasting Licenses
KXXY-FM FID# 58389
November 1, 2004

This minor change application seeks to increase height above average terrain to a value above class C0 in order to retain its present C class. This application proposes to simply move to a higher antenna upon the present antenna support structure 1045226, at a height of 488 meters above ground level. This will be a shared antenna transmitting the signals of KXXY-FM, KTST(FM), KHBZ-FM, and KJYO(FM) all of which are under common ownership and control.

From this location KXXY-FM is fully spaced Section 73.207 to all allocations, applications, and facilities except for KSOK-FM and KITO-FM, for which Section 73.215 processing is requested. Figure 1 is a Section 73.207 spacing study while Figure 2 is a map demonstrating compliance for contour overlap Section 73.215. Note that the “triggering” proposals to allot Channel 242A at Centrahoma, Oklahoma, and Channel 241A at Bokchito, Oklahoma, which are relevant on the reclassification of KXXY-FM to Class C0, must be dismissed pursuant to note 2 of 47 C.F.R. Section 1.420(a).

The Proposed facilities were evaluated in terms of potential radio frequency radiation exposure at ground level in accordance with OET Bulletin No. 65, “Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radio frequency Radiation.”

The proposed antenna system is an EPA type 3, 6- bay, antenna, mounted with its center of radiation 488 meters above ground level, and will operate with an effective radiated power of 100 kilowatts in both the horizontal and vertical planes. At 2 meters above ground, at 156 meters from the base of the tower, this proposal will contribute worst case, 1.91 microwatts per square centimeter, or 0.19 percent of the allowable ANSI limit for controlled exposure, and 0.95 percent of the allowable limit for uncontrolled exposure. It is therefore believed that this proposal is in compliance with OET Bulletin Number 65 as required by the Federal Communications Commission.

Further, the applicant will see that signs are posted in the vicinity of the tower, warning of potential radio frequency hazards at the site. The site itself is restricted from public access. The applicant will cooperate with other users of the tower to reduce power of the facility, or discontinue operation, as necessary to limit human exposure to levels less than specified by the Federal Communications Commission should anyone be required to climb the tower for maintenance or inspection.

Figure 1

ComStudy 2.2 search of channel 241 (96.1 MHz Class C)
at 35-35-52.0 N, 97-29-22.0 W.

Callsign	State	City	Chnl	ERP_w	Class	Status	Dist_km	Sep	Clr	
KSOK-FM	OK	CENTRAHOMA	242	0	A	APP	151.82	165	-13.2	"Triggering"
	KS	WINFIELD	240	25000	C3	LIC	171.78	176	-4.2	73.215
	KS	WINFIELD	240	15200	C3	CP	171.32	176	-4.7	73.215
KITO-FM*	OK	BOKCHITO	241	0	A	APP	222.5	226	-3.5	"Triggering"
	OK	VINITA	241	0	C2	USE	247.31	249	-1.7	73.215
	OK	VINITA	241	50000	C2	LIC	247.27	249	-1.7	73.215
KTUZ-FM	OK	OKARCHE	294	13000	C2	CP	34.7	35	-0.3	
	OK	CENTRAHOMA	242	0	A	APP	164.57	165	-0.4	
	OK	OKARCHE	294	13000	C2	LIC	34.7	35	-0.3	
KXLS	OK	LAHOMA	239	0	C2	RSV	109.4	105	4.4	
	OK	LAHOMA	239	0	C2	RSV	109.4	105	4.4	
	OK	CLAYTON	241	0	A	APP	231.33	226	5.3	
KXLS	OK	CLAYTON	241	0	A	APP	231.33	226	5.3	
	OK	LAHOMA	239	9600	C3	LIC	103.06	96	7.1	
	KS	WINFIELD	240	0	C3	USE	183.13	176	7.1	
KXLS	OK	LAHOMA	239	0	C3	USE	103.97	96	8	
	OK	LAHOMA	239	29400	C2	APP	114.3	105	9.3	
	OK	OKARCHE	294	0	C2	USE	48.36	35	13.4	
KXLS	OK	LAHOMA	239	14500	C3	CP	114.3	96	18.3	

Figure 2

