

KEZL(FM) Fid#: 2097
Engineering Exhibit
Capstar TX Limited Partnership

This instant FCC 301 application seeks removal of the directional antenna, and correction of coordinates for station KEZL(FM).

The present as well as the proposed location is at 91 meters above ground level upon a tower described in antenna structure registration number 1200879. From this location the station will be fully spaced utilizing Section 73.207 as demonstrated in Table 1

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 antenna system is an EPA type 6, 6- bay, full wave spaced, "6810 " antenna, mounted with its center of radiation 91 meters above ground level, and will operate with an effective radiated power of 25 Kilowatts in both the horizontal and vertical planes. At 2 meters above ground, at 31 meters from the base of the tower, this proposal will contribute worst case, 10.74 microwatts per square centimeter, or 1.07 percent of the allowable ANSI limit for controlled exposure, and 5.37 percent of the allowable limit for uncontrolled exposure. No non-exempt RF sources are known to exist within 1 kilometer distance of the site.

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.

Table 1

ComStudy 2.2 search of channel 244 (96.7 MHz Class B1) at 36-41-42.0 N, 119-43-56.0 W.

Callsign	State	City	Channel	ERP_w	Class	Status	Dist_km	Sep	Clr
KSEQ	CA	VISALIA	246	17000	B	LIC	70.95	71	-0.1
KSEQ	CA	VISALIA	246	0	B	USE	70.95	71	-0.1
NEW	CA	CALWA	241	250	D	APP	4.77	0	4.8
NEW	CA	CALWA	242	250	D	APP	4.77	0	4.8
NEW	CA	FRESNO	241	250	D	APP	8.5	0	8.5
KBKO-FM	CA	BAKERSFIELD	243	0	B	USE	154.14	145	9.1
KBKO-FM	CA	BAKERSFIELD	243	50000	B	LIC	154.14	145	9.1
NEW	CA	FRESNO	241	250	D	APP	9.19	0	9.2
NEW	CA	EAST FRESNO	241	250	D	APP	9.92	0	9.9
NEW	CA	FRESNO	242	250	D	APP	9.19	0	9.2
KSLK	CA	VISALIA	241	4800	A	LIC	61.47	48	13.5
KSLK	CA	VISALIA	241	0	A	USE	62.48	48	14.5
NEW	CA	SELMA	241	250	D	APP	15.79	0	15.8
NEW	CA	SELMA	242	250	D	APP	15.79	0	15.8
NEW	CA	SANGER	242	250	D	APP	16.49	0	16.5
NEW	CA	SANGER	241	250	D	APP	16.49	0	16.5
NEW	CA	CLOVIS	241	250	D	APP	17.03	0	17
	CA	LOST HILLS	245	0	B1	APP	136.27	114	22.3
NEW	CA	WEST FRESNO	241	250	D	APP	22.82	0	22.8
KWAV	CA	MONTEREY	245	0	B	USE	169.83	145	24.8
KWAV	CA	MONTEREY	245	18000	B	LIC	169.83	145	24.8
KUBB	CA	MARIPOSA	242	0	B	USE	96.68	71	25.7
KMRQ	CA	MANTECA	244	1500	A	LIC	168.79	143	25.8
KUBB	CA	MARIPOSA	242	1900	B	LIC	96.83	71	25.8
KMRQ	CA	MANTECA	244	0	A	USE	173.47	143	30.5
	CA	COALINGA	247	0	A	APP	82.17	48	34.2
NEW	CA	DINUBA	243	250	D	APP	35.85	0	35.8