

SPACING

REFERENCE 38 34 56.2 N. CLASS = L1 DISPLAY DATES 08-28-13
 121 30 54.9 W. Current Spacings to 3rd Adj. DATA 08-28-13
 Channel 225 - 92.9 MHz SEARCH 10-08-13

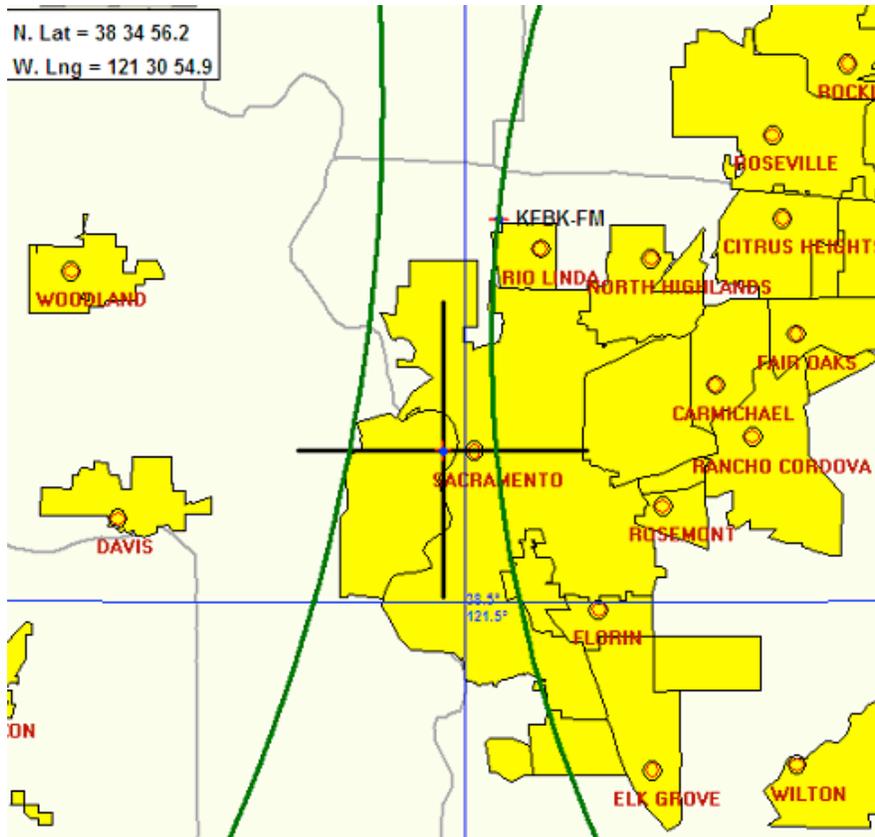
Call	Channel	Location	Azi	Dist	FCC	Margin
* KFBK-FM LIC	223B	Sacramento	CA	13.8	14.28	66.5 -52.2
KHLX LIC-N	226B1	Pollock Pines	CA	85.2	76.71	73.5 3.2
KFGY LIC	225B	Healdsburg	CA	280.3	117.01	111.5 5.5
K228DM LIC	228D	Vacaville	CA	237.4	50.48	7.5 43.0
K225AU LIC	225D	Nevada City	CA	32.6	87.74	38.5 49.2
KOSO LIC	225A	Patterson	CA	159.0	115.91	66.5 49.4

All separation margins include rounding

NOTES:

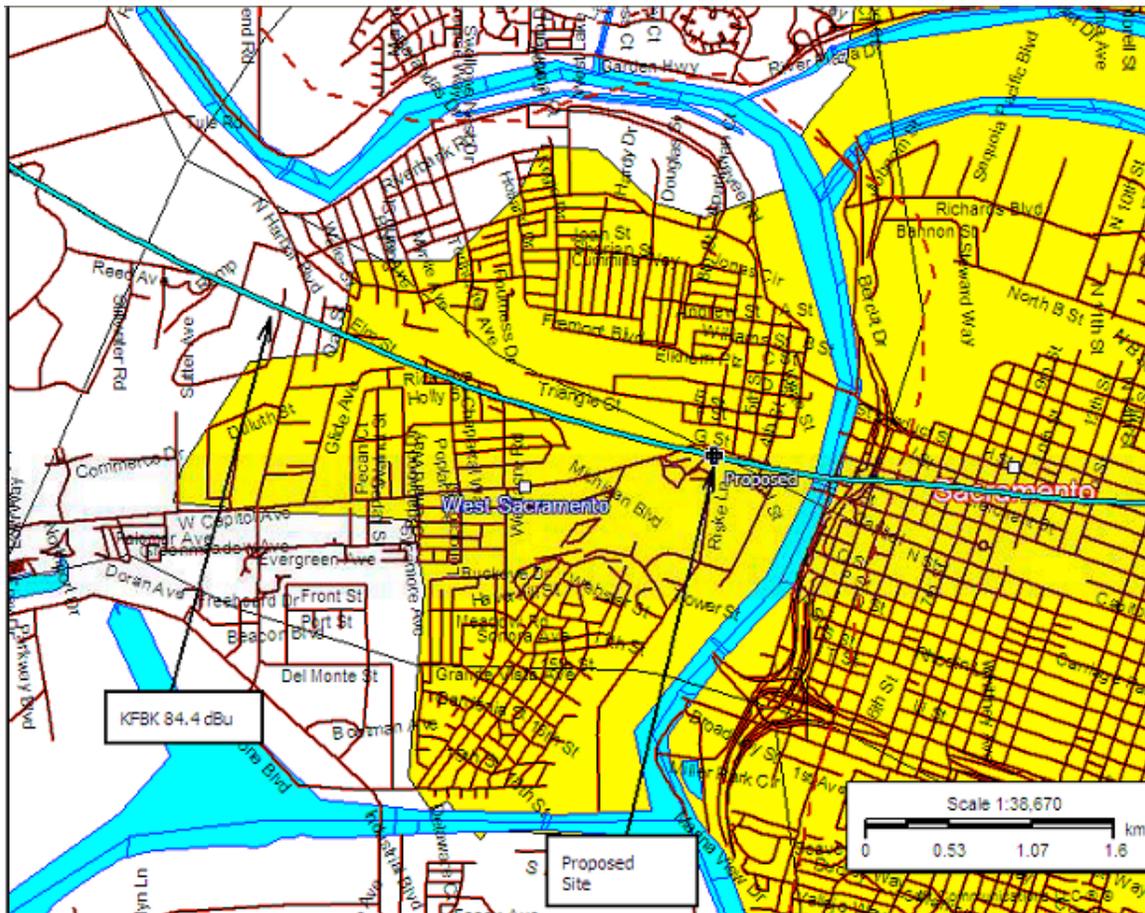
* KFBK 2nd ADJ - See 2nd adjacent spacing waiver request

SPACING MAP



SECOND ADJACENT WAIVER REQUEST

Applicant requests a waiver of the Second Adjacent minimum spacing requirements stated in §73.807 of the FCC rules using U/D no-population inference protocol. At the proposed facility site, KFBK Sacramento, CA CH223B (Distance 14.3, 50 kW) has an estimated signal strength of 84.4 dBu. At a proposed 83 watts, the maximum interference radius around the proposed transmitter is thus 38.4 meters. Applicant proposes to locate 35 meters above ground at an established tower site. At ground level, this interference radius is 15.8 m around the tower. As seen on next page, the interference area is confined around the tower on private property. Zero population is affected, thus passing second adjacent waiver request requirements.

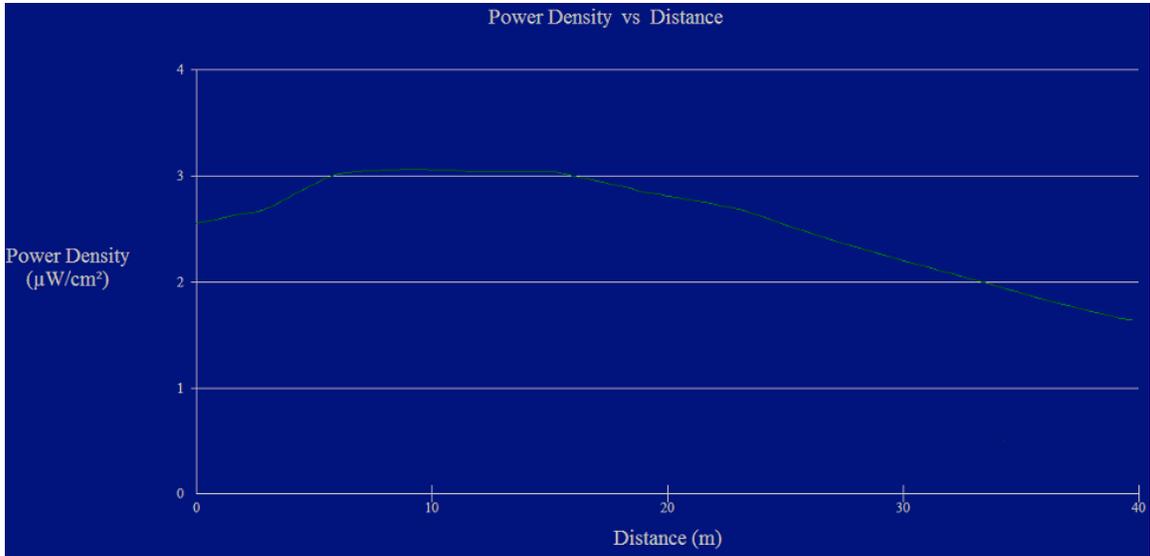




NON-IONIZING ELECTROMAGNETIC RADIATION (NEIR) ANALYSIS

The Effective Radiated Power for proposed will be 83 watts, mounted on a mast 12 meters above a roof. The OET program *FM Model for Windows*, Version 2.10 Beta was used to determine the maximum predicted RF exposure. The settings used were:

Antenna: Phelps-Dodge "Ring Stub"
Vertical ERP (W): 83
Horizontal ERP (W): 83
Antenna Height (m): 45
Number of Elements: 1



Phelps-Dodge "Ring Stub" antenna was selected as a "worst case" emitter. Using these settings, the maximum predicted RF exposure for a human standing on the ground would be less than 3.1 µW/cm² at 8.8 m. This represents less than 2% of the FCC Maximum Permissible Exposure (MPE) of 200 µW/cm² for uncontrolled environments. 47 CFR 1.1307(b) (3) exempts applicants from preparing an Environmental Assessment when the predicted exposure levels when the predicted exposure levels would be less than 5% of the FCC limits.

Antenna is proposed on a commercial tower that has appropriate signage and fencing. If work on tower is required facility will be temporarily powered down.