

Gray Frierson Haertig & Assoc.  
Portland, Oregon

REFERENCE		DISPLAY DATES
33 45 21.0 N.	CLASS = L1 Int = L1	DATA 10-18-13
117 51 18.0 W.	Current Spacings to 2nd Adj.	SEARCH 10-31-13
----- Channel 284 - 104.7 MHz -----		

Call	Channel	Location	Azi	Dist	FCC	Margin
KBIG	LIC 282B	Los Angeles	CA 339.6	55.75	66.5	-10.8
KKGO	LIC 286B	Los Angeles	CA 339.6	56.06	66.5	-10.4
Grandfathered at 18 kW ERP and 880 meters HAAT						
KCAQ	LIC 284B	Oxnard	CA 301.0	125.29	111.5	13.8
KCAQ	CP 284B	Oxnard	CA 304.6	131.57	111.5	20.1
KQIE	LIC 284A	Redlands	CA 68.8	87.71	66.5	21.2
KQIE-FM1	CP 284D	Sunnymead Ranch	CA 66.0	57.70	23.5	34.2
KCAQ-FM5	LIC-D 284D	Las Flores Canyon	CA 299.5	60.19	23.5	36.7

-----

Reference station has protected zone issue:  
All separation margins include rounding