

**April 2018
KHSQ(FM) Channel 299C1
Trinidad, CA
Allocation Study**

The instant application proposes a “one step” upgrade of KHSQ from Channel 299C3 to Channel 299C1 at Trinidad. A single site is specified as the fully-spaced allotment site and as the transmitter site. The allotment site is located 40 kilometers from the far side of Trinidad. The standard 70 dBu contour distance for a Class C1 station is 50 kilometers, and therefore this allotment site will provide a 70 dBu contour to 100% of Trinidad.

The attached spacing study shows that the proposed operation meets the co-channel and adjacent channel spacing requirements for Class C1 stations as prescribed in §73.207 of the Commission's Rules.

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SEARCH PARAMETERS                      FM Database Date: 180417
Channel: 299C1 107.7 MHz                Page 1
Latitude: 40 43 38
Longitude: 123 58 22
Safety Zone: 32 km
Job Title: KHSQ 299C1
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Call Status	City St	FCC File No.	Channel Freq.	ERP(kW) HAAT(m)	Latitude Longitude	Bearing deg-True	Dist (km)	Req (km)
KCHP-LP LIC	ARCATA CA	BMLL-70403ACL	246L1 97.1	0.093 -41.2	40-52-32 124-05-21	329.3	19.18 0.00	0 LPFM
K296BF LIC	WEAVERVILLE, ETC. CA	BLFT-781026IB	296D 107.1	0.057 DA 656.0	40-43-09 122-58-48	90.3	83.88 0.00	0 TRANS
K297BY CP	ARCATA CA	BNPFT-80319BNC	297D 107.3	0.250 DA 738.0	40-43-37 123-58-25	246.3	0.08 0.00	0 TRANS
KQPT LIC	COLUSA CA	BLH-860925KB	298B 107.5	28.000 193.0	39-17-17 122-20-02	138.4	212.41 17.41	195 CLEAR
K298AF LIC	SHASTA CA	BLFT-10701ABY	298D 107.5	0.010 859.0	40-39-15 122-31-26	93.3	122.74 0.00	0 TRANS
KHSQ CP MOD	TRINIDAD CA	BMPH-80129ACP	299C3 107.7	1.000 479.0	40-43-38 123-58-22	0.0	0.00 -211.00	211 SHORT
NOTE: LICENSE APPLICATION IS PENDING								
KKLC LIC	FALL RIVER MILLS CA	BLED-50826ABC	300C1 107.9	13.000 650.0	40-54-23 121-49-39	83.0 SS	182.09 5.09	177 CLOSE
K300AI LIC	WILLOW CREEK CA	BLFT-10817ACH	300D 107.9	0.010 1121.0	40-52-29 123-43-54	51.0	26.12 0.00	0 TRANS

===== END OF FM SPACING STUDY FOR CHANNEL 299 =====