

B. W. St. Clair, Inc.

Engineering Statement
in support of an
Flash Cut Application for BMPTTA-20030428AEJ
Channel 28, San Francisco, CA
Family Stations, Inc.

BACKGROUND

Applicant has a licensed station, KFTL-CA in San Francisco, CA. Family Stations is applying for a digital flash cut on channel 28, the current broadcast channel. The station's ERP will decrease, but all other parameters will remain the same.

PART 73 OUTPUT MASK

The applicant requests that the FCC Part 73 Full Service output channel mask be used in determining the interference to the two adjacent channels.

INTERFERENCE CONSIDERATIONS

Potential interference to other stations was studied using "Population Loss Studies" based on the "Longley-Rice Terrain Dependent Algorithm" in accordance with OET Bulletin 69.¹ Population loss for each station is less than 0.5% for full-service and Class A TV stations and less than 2% for LPTV and translator stations. Cell size for service analysis is 1.0 km/side. The distance increments for Longley-Rice Analysis is 1.0 km.

Prepared By:
Gordon H. Allison, Jr.
Engineering Consultant
21 May 2009

¹ The analysis was performed on a Sun "Blade" Computer using the exact replica of the FCC's analysis program.