

**KMRO FILE# BLED 19861107KD, MINOR CHANGE APPLICATION
MAY 2002, Carl E. Gluck, Technical Consultant**

EXHIBIT 18

NO INTERFERENCE TO CHANNEL 6 TV (KSBY, SAN LUIS OBISPO, CA)

The instant transmitter site is located 170.5 km from KSBY TV Channel 6 in San Luis Obispo. Because this distance is less than the 195-kilometer separation specified in 47 C.F.R. 73.525 (a)(1), KSBY (TV) is considered an "affected TV channel 6 station." As a result the instant proposal is subject to the provisions of Section 73.525 with respect to KSBY(TV).

Exhibit 18 Plot A shows KSBY's F(50,50) protected 47 dBu Grade B contour and the proposed KMRO F(50,10) 68.8 dBu interfering contour (calculated in accordance with Section 73.525(e)(1)(ii)).

The predicted coverage contours were also calculated in accordance with the method prescribed in Section 73.313 of the rules utilizing the appropriate propagation curves from the rules (73.333, Figure 1), effective radiated power, and antenna height above average terrain as determined for each profile radial. Average terrain data from the proposed site was obtained from a National Geophysical Data Center 30 Second Point Topographic Database (TGP-0050). Each contour calculation is performed along 360 radials.

As the plot shows, there is no overlap of these two contours and no interference occurs (indeed the contours do not get closer than 10 miles from one another). Therefore, **the proposal satisfies the requirements of Section 73.525.**

-Exhibit 18 Plot A follows on the next page-

KSBY TV6
 BLCT1159
 Latitude: 35-21-37 N
 Longitude: 120-39-17 W
 ERP: 100.00 kW
 EIRP: 164.00 kW
 Channel: 06+
 Frequency: 85.5 MHz
 AMSL Height: 885.0 m
 Elevation: 622.62 m
 Horiz. Pattern: Omni
 Vert. Pattern: Yes
 Elec Tilt: 0.0
 Prop Model: None

Exhibit 18 - Plot A **KSBY TV6 San Luis Obispo** **vs.** **KMRO FM Camarillo as proposed**

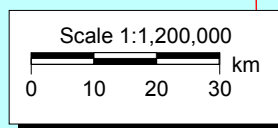
KMRO
 BLED19861107KD
 Latitude: 34-24-47 N
 Longitude: 119-11-10 W
 ERP: 7.10 kW
 EIRP: 11.644 kW
 Channel: 212
 Frequency: 90.3 MHz
 AMSL Height: 868.0 m
 Elevation: 709.48 m
 Horiz. Pattern: Omni
 Vert. Pattern: No
 Prop Model: None

KSBY F(50,50) 47 dBu Contour

KMRO F(50,10) 68.8 dBu Contour

Note that in every case there is 16 kilometers or more between KMRO's interfering F(50,50) 68.8 dBu and KSBY's Protected F(50,50) 47 dBu contours

Carl E. Gluck, May 2002



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