

**FIGURE 6 (Sheet 1 of 2)**

**NIGHTTIME ALLOCATION STUDY SUMMARY**

**1. GENERAL:**

KMYX is currently authorized for secondary nighttime operation with a power of 45 watts, employing its authorized daytime nondirectional antenna. During preparation of the instant application correcting the KMYX site coordinates and tower height, it was determined that the authorized 45-watt power level does not provide the required nighttime interference protection under current FCC Rules. Therefore, Campesina proposes to reduce KMYX's secondary nighttime operating power to 20 watts, nondirectional. As demonstrated herein, at that reduced power level full interference protection will be provided to all other pertinent stations.

**2. NIGHTTIME LIMIT TO KMYX:**

The 50% RSS night limit for KMYX (to be used for coverage purposes) was determined to be 8.41 mV/m, caused solely by station KMKY, 1310 kHz, Oakland, CA. Since the KMYX nighttime operation is classed as secondary, it is not protected from interference and the 25% RSS night limit is of no consequence.

**3. ALLOWABLE RADIATIONS TO OTHER STATIONS:**

As a Class D station operating during nighttime hours with power less than 250 watts (RMS of 141 mV/m@km), the predicted interfering signal from the proposed KMYX operation must not enter into the 25% RSS calculation of any domestic Class B station<sup>1</sup>. RSS calculations on 1310 kHz and each first adjacent channel (1300 kHz & 1320 kHz) have been carried out by means of a computer program which accesses the FCC's AM station database. Page 2 of this Figure furnishes a tabulation of points of protection to the most critical co-channel and first adjacent channel stations. The tabulation clearly shows that the proposed KMYX operation meets the applicable nighttime interference protection requirements. Calculation details for these and other affected stations' 50% and 25% RSS night limit values are provided in Table 3.

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<sup>1</sup> With regard to Canadian and Mexican stations, protection of the existing 50% RSS night limit is required. At the proposed KMYX nighttime operating power, no other Region II country is close enough to be of concern.

**FIGURE 6 (Page 2 of 2)**  
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Protected Station	Protected 25% RSS (mV/m)	Distance (km)	Azimuth (deg. T.)	Crit. Angle Bracket (deg.)	Max. Rad. (mV/m)	SW Field Factor (mV/m)	Limit From KMYX (mV/m)
KMKY, 1310 kHz, Oakland, CA [FCC FACILITY ID # 96]	5.28	391.6	320.3	19.3 - 30.5	40.1	0.162	1.30
XEC, 1310 kHz, Tijuana, BN Objected to Proposal	6.19*	369.4	141.5	26.6	37.1	0.150	1.11
KXAM, 1310 kHz, Mesa, AZ [FCC FACILITY ID # 19468]	6.95	726.5	103.0	9.6 - 16.6	42.9	0.0744	0.638
KLIX, 1310 kHz, Twin Falls, ID [FCC FACILITY ID # 3404]	7.63	934.0	26.7	6.7 - 12.2	43.4	0.0489	0.424

\* For Mexican stations, the appropriate protected contour is the 50% RSS night limit value.