

Radio Station KDIA • 1640 kHz, Class B • Vallejo, California

Interference Protection FCC Form 301 §III-A, Question 10.a.

The proposed facility meets all spacing criteria for expanded band allotments (800 kilometers for co-channel stations, 200 kilometers for first-adjacent channels, and 53 kilometers for second-adjacent channels) with respect to all existing stations, permits, and applications, including those stations listed in the table below.

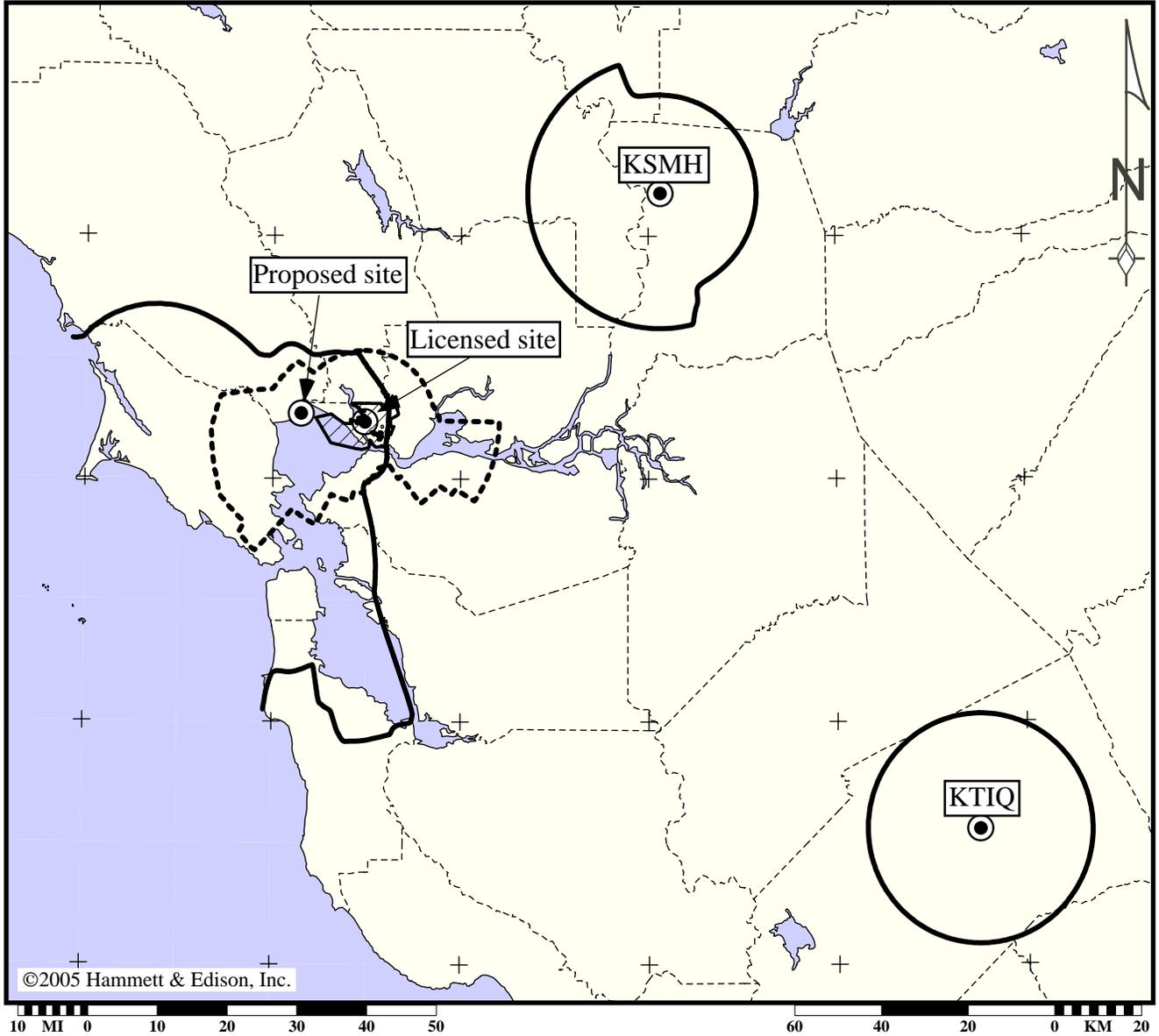
Due to the use of a directional array, contours have been projected, using M3 conductivities, for detailed studies performed on two stations, KSMH and KTIQ, to ensure that the proposed facilities meet all FCC protection requirements.

<u>Station</u>	<u>Frequency</u>	<u>Class</u>	<u>Location</u>	<u>FCC File No.</u>	<u>Spacing</u>	
Co-Channel						
KDZR	1640 kHz	B	Lake Oswego, OR	BL19980422KA	813.7 km	
First-Adjacent Channel						
KFOX	1650 kHz	B	Torrance, CA	BL20020111ABD	585.4	
Second-Adjacent Channel						
KSMH	1620 kHz	B	Auburn, CA	BL20010130AAS	97.6	<i>Ex. 15B</i>
KTIQ	1660 kHz	B	Merced, CA	BL20010629ACM	184.5	<i>Ex. 15B</i>



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Nighttime Groundwave Protection
Proposed KDIA 5 mV/m Contour
vs 5 mV/m Second-Adjacent Stations



Albers equal area map projection. Map data taken from Sectional Aeronautical Charts, published by the National Ocean Survey. Geographic coordinate marks shown at 30-minute increments. City limits shown taken from 2000 U.S. Census Bureau TIGER data. Contours projected using measured soil conductivity where available; see Exhibit 11E4.