

**Dataworld  
Bethesda, MD**

Page 1  
Thursday, July 15, 2004

Dataworld FM/TV Channel 6 Study

This product is provided by Dataworld, Inc.  
solely for the standard business uses of  
Dataworld  
and is not to be duplicated for other purposes or provided  
to others without written permission of Dataworld, Inc.

ALL RIGHTS RESERVED

Copyright © 2004, Dataworld, Inc.

Disclaimer: Dataworld, Inc. assumes no liability for any errors or  
omissions in the information hereby provided, and shall not be liable  
for any injuries or damages (including consequential) which might result  
from use of the said information.

**Job Title: KZSC FM**

Channel: 201

FM site coordinates: N 37° 00' 10.0" W 122° 03' 04.0"

FM c/r Height = 277.0 m AMSL

FM ERP = 20.0000 kW

\* = 6 dB TV Receiving Antenna Directivity Applied.

Channel 6 Stations within 265.0 km will be examined

Dataworld  
Bethesda, MD

Page 2  
Thursday, July 15, 2004

Dataworld Educational FM/TV Channel 6 Interference Study

**Title: KZSC FM**

Channel: 201

Coordinates: N 37° 00' 10.0" W 122° 03' 04.0"

c/r Height = 277.0 m AMSL  
ERP = 15.0000 kW

----Ix Area ----		-----TV Station-----							-----Proposed FM Station -----				
Br (deg)	Dx (km)	Bear (br)	Dx (km)	HAAT (m)	ERP (kW)	F.S. (dBu)	U/D (dB)		Bear (deg)	Dx (km)	HAAT (m)	ERP (kW)	F.S. (dBu)

TV Station: KSBY San Luis Obispo, CA

Distance from TV6 transmitter to FM transmitter: 221.3475 km

TV HAAT toward FM: 372.8 m; TV ERP toward FM: 100.000 kW; Distance to Grade B (47 dBuV/m) Contour: 109.0

FM Station on Channel 201; HAAT toward TV: 274.6 m; ERP toward TV: 15.000 kW; Distance to 48.0 dBuV/m [50,10] Contour = 76.6 km

No Grade B contour overlap - no Interference Study required

TV Station: KVIE Sacramento, CA

Distance from TV6 transmitter to FM transmitter: 148.8195 km

TV HAAT toward FM: 553.8 m; TV ERP toward FM: 100.000 kW; Distance to Grade B (47 dBuV/m) Contour: 124.8

FM Station on Channel 201; HAAT toward TV: 3.5 m; ERP toward TV: 15.000 kW; Distance to 48.0 dBuV/m [50,10] Contour = 30.3 km

\*\*\* Interference Study will be performed \*\*\*

**Dataworld  
Bethesda, MD**

Page 3  
Thursday, July 15, 2004

Dataworld Educational FM/TV Channel 6 Interference Study

**Title: KZSC FM**

Channel: 201

Coordinates: N 37° 00' 10.0" W 122° 03' 04.0"

c/r Height = 277.0 m AMSL  
ERP = 15.0000 kW

----Ix Area ----		-----TV Station-----						-----Proposed FM Station -----					
Br (deg)	Dx (km)	Bear (br)	Dx (km)	HAAT (m)	ERP (kW)	F.S. (dBu)	U/D (dB)	Bear (deg)	Dx (km)	HAAT (m)	ERP (kW)	F.S. (dBu)	
State of California							1,510	777					
Total							1,510	777					

Population counts are derived from U.S. Census Block centroids