

**Dataworld
Bethesda, MD**

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Dataworld FM/TV Channel 6 Study

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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 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

----lx 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 ***

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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