

INCOMING INTERFERENCE TO KGO-TV FROM OTHER
STATIONS WITH THE PROPOSED KRVN-DT

KGO-TV (07-) San Francisco, CA
TV Incoming Interference Study
Signal Resolution: 1.5 km
Consider NTSC Taboo: Yes
KWX error points are considered to
be interference free coverage.
of radials computed for contours: 72
Contours calculated using 8 radial HAAT.
LR Profile Spacing Increment: 0.1 km
Interference considered within the
reference station's noise limited contour.
Threshold for reception: 56.0

Study Date: 2/4/02
TV Database Date: 01-08-02

Population Database: 2000 US Census (PL)

Percentages calculated using a baseline population of 6,637,770.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
KRCRTV (07Z)	0	130860	1.971	989.41
KAIL-D.C (07)	0	296452	4.466	1148.20
KSBW (08+)	0	36752	0.554	397.22
KAIL-D (7)	0	88837	1.338	464.12
KRVN-DT7 (7)	0	188584	2.841	1057.68

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
KRCRTV (07Z)	130860	1.971	35725	0.538
KAIL-D.C (07)	296452	4.466	91093	1.372
KSBW (08+)	36752	0.554	36628	0.552
KAIL-D (7)	88837	1.338	0	0.000
KRVN-DT7 (7)	188584	2.841	7536	0.114

Stations which were not considered:

KSBW.C (08+)
KRVN-D.P.A (07)

Call Letters	City	State	Dist	Bear
KRCRTV (07Z)	Redding	CA	316.5	357.0
KAIL-D.C (07)	Fresno	CA	277.9	104.9
KSBW (08+)	Salinas	CA	97.8	142.1
KSBW.C (08+)	Salinas	CA	139.3	142.5
KRVN-D.P.A (07)	Reno	NV	283.0	51.5

KAIL-D (7)	FRESNO	CA	277.9	104.9
KRNV-DT7 (7)	Unknown	??	283.0	51.5

Totals for KGOTV (07-)

Calculation Area Population:	7,650,388	(40532.5 sq. km)
Not Affected by Terrain Loss:	6,637,770	(34038.1 sq. km)
Total NTSC Interference:	287,917	(1791.9 sq. km)
DTV Only Interference:	94,579	(223.2 sq. km)
Total DTV Interference:	296,452	(1150.4 sq. km)
Interfered Population:	382,496	(2015.1 sq. km)
Interference Free:	6,255,274	(32023.0 sq. km)

Percent Interference:	5.76
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Terrain Blocked Population:	1,012,618	(6494.4 sq. km)
Contour Area Population:	7,644,998		