

V-Soft Communications Population Report

KSCI (18-) Long Beach, CA
 TV Incoming Interference Study
 Signal Resolution: 1 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 64 dBu FCC countour.
 Using NTSC lptv/translators D/U rules.
 Threshold for reception: 64
 Study Date: 8/23/2001
 TV Database Date: 08-18-01
 Population Database: 2000 US Census

Percentages calculated using a baseline population of 13,109,332.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
PROPOSED K33BT-LP (17-)	0	53	0.000	4.04
KUSI-D.C (18)	0	450195	3.434	4027.37
KWHYTV (22Z)	0	181208	1.382	66.68
KDOC-D.C (32)	0	51397	0.392	19.19

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
PROPOSED K33BT-LP (17-)	53	0.000	53	0.000
KUSI-D.C (18)	450195	3.434	359072	2.739
KWHYTV (22Z)	181208	1.382	82940	0.633
KDOC-D.C (32)	51397	0.392	0	0.000

Totals for KSCI (18-)

Calculation Area Population:	15,432,891	(28193.0 sq. km)
Not Affected by Terrain Loss:	13,109,332	(23039.4 sq. km)
Total NTSC Interference:	181,261	(70.7 sq. km)
DTV Only Interference:	359,072	(3987.0 sq. km)
Total DTV Interference:	457,340	(4031.4 sq. km)
Interfered Population:	540,333	(4057.7 sq. km)
Interference Free:	12,568,999	(18981.7 sq. km)

Percent Interference: 4.12

Terrain Blocked Population:	2,323,559	(5153.6 sq. km)
Contour Area Population:	15,430,810	