

INCOMING INTERFERENCE TO KOKI-TV FROM ALL SOURCES

D. L. Markley & Associates Population Report

KOKITV (23Z) Tulsa, OK
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: 62.659

Study Date: 6/20/02
TV Database Date: 06-19-02

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 1,111,124.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
KPOMTV (24+)	0	0	0.000	2.22
KTWU-D.C (23)	2604	5242	0.472	57.25
KOZK-D.C (23)	1315	2052	0.185	73.03
KDOR-D.C (15)	394	533	0.048	17.62
KSWO-D.C (23)	430	1019	0.092	163.06
KOET-D.C (31)	41	92	0.008	6.73
KOZK-DTP (23)	2050	3768	0.339	192.30

Masking Summary:

Call Letters	Total Interference Population	%	Unique Interference Population	%
KPOMTV (24+)	0	0.000	0	0.000
KTWU-D.C (23)	5242	0.472	4952	0.446
KOZK-D.C (23)	2052	0.185	0	0.000
KDOR-D.C (15)	533	0.048	255	0.023
KSWO-D.C (23)	1019	0.092	1019	0.092
KOET-D.C (31)	92	0.008	92	0.008
KOZK-DTP (23)	3768	0.339	1704	0.153

Stations considered which do not cause interference:

KPOMTV (24+)
KSNF (16Z)
KWBT-D.P.A (20)
KOKI-D.C (22)
KOKH-D.C (24)
KQOK.A (30Z)

KOED-D.C (38)
KUVN (23Z)

Call Letters	City	State	Dist	Bear
KPOMTV (24+)	Fort Smith	AR	143.6	103.7
KTWU-D.C (23)	Topeka	KS	337.1	358.8
KSNF (16Z)	Joplin	MO	153.9	40.5
KOZK-D.C (23)	Springfield	MO	277.7	60.7
KDOR-D.C (15)	Bartlesville	OK	54.9	351.5
KWBT-D.P.A (20)	Muskogee	OK	32.5	200.4
KOKI-D.C (22)	Tulsa	OK	0.0	0.0
KSWO-D.C (23)	Lawton	OK	342.3	234.9
KOKH-D.C (24)	Oklahoma City	OK	171.9	252.6
KQOK.A (30Z)	Shawnee	OK	171.4	241.7
KOET-D.C (31)	Eufaula	OK	98.5	161.7
KOED-D.C (38)	Tulsa	OK	0.7	155.1
KUVN (23Z)	Garland	TX	358.8	195.2
KOZK-DTP (23)	Springfield	MO	275.8	61.8

Totals for KOKITV (23Z)

Calculation Area Population:	1,118,253	(26166.1 sq. km)
Not Affected by Terrain Loss:	1,111,124	(25433.1 sq. km)
Total NTSC Interference:	0	(2.2 sq. km)
DTV Only Interference:	10,364	(421.5 sq. km)
Total DTV Interference:	10,364	(423.8 sq. km)
Interfered Population:	10,364	(423.7 sq. km)
Interference Free:	1,100,760	(25009.3 sq. km)

Percent Interference: 0.93

Terrain Blocked Population:	7,129	(733.0 sq. km)
Contour Area Population:	1,118,485		