

Greg Best Consulting, Inc. Population Report

K30AL (30) Iola, KS - BLTT19840828ID  
Lat: 37-54-30 N Lng: 095-07-25 W ERP: 15.0 kW AMSL: 483.0 m  
TV Incoming Interference Study  
Interference Considered Within: Noise Limited FCC Contour  
Signal Resolution: 1.0 km  
LR Profile Spacing Increment: 0.1 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.  
Using lptv/translators D/U rules.  
Threshold for reception: 40.3324  
Pop Centroid DB: 1990 US Census

Study Date: 8-15-2005  
TV Database Date: 08-04-05

Primary Terrain: V-Soft 3 Second US Terrain  
Secondary Terrain: NED 3 Second US Terrain

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 83,150.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
KTUZTV (30Z)	0	0	0.000	1.94

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
KTUZTV (30Z)	0	0.000	0	0.000

Stations considered which do not cause interference:

K30AE (30N)  
K30GD (30N)  
K30HN.C (30-)  
K30HT.C (30-)  
K52GX.A (30-)  
KCLJ-C (30Z)  
KCWE (29-)  
KCWE-D.C (31)  
KTUZTV (30Z)  
NEW.A (30Z)  
NEW.A (30Z)  
NEW.A (30Z)  
NEW.A (30+)  
NEW.A (30Z)  
NEW.A (30N)  
NEW.A (30Z)  
NEW.A (30Z)

Call Letters	City	State	Dist	Bear
K30AE (30N)	Alva	OK	328.8	248.8
K30GD (30N)	Great Bend	KS	320.1	281.0
K30HN.C (30-)	Junction City	KS	196.2	309.2
K30HT.C (30-)	New Bloomfield	MO	279.7	70.7
K52GX.A (30-)	Tahlequah	OK	213.5	175.5
KCLJ-C (30Z)	Joplin	MO	115.1	145.4
KCWE (29-)	Kansas City	MO	140.8	21.9
KCWE-D.C (31)	Kansas City	MO	140.8	21.9
KTUZTV (30Z)	Shawnee	OK	352.3	214.9
NEW.A (30Z)	Jefferson City	MO	261.6	72.5
NEW.A (30Z)	Columbia	MO	272.5	65.6
NEW.A (30Z)	Jefferson City	MO	261.6	72.5
NEW.A (30+)	Columbia	MO	258.2	62.0
NEW.A (30Z)	Columbia	MO	282.0	61.8
NEW.A (30N)	Jefferson City	MO	274.3	74.2
NEW.A (30Z)	Columbia	MO	277.2	62.8
NEW.A (30Z)	Columbia	MO	282.0	61.8

Totals for K30AL (30)

Calculation Area Population:	83,403	(	11219.7 sq. km )
Not Affected by Terrain Loss:	83,150	(	11188.0 sq. km )
Total NTSC Interference:	0	(	1.9 sq. km )
DTV Only Interference:	0	(	-0.0 sq. km )
Total DTV Interference:	0	(	0.0 sq. km )
Interfered Population:	0	(	1.9 sq. km )
Interference Free:	83,150	(	11186.1 sq. km )

Percent Interference: 0.00

Terrain Blocked Population:	253	(	31.7 sq. km)
Contour Area Population:	83,347		