

INTERFERENCE ANALYSIS FOR PROPOSED K19GZ-D SEILING, OKLAHOMA (CHANNEL 23)

tvstudy v2.2.3 (Dxtpx3)
Database: localhost, Study: k19gz23pl, Model: Longley-Rice

Study build station data: LMS TV 2017-10-03 (64)

Proposal: K19GZ23Pl D23 LD APP SEILING, OK
File number: k19gz23pl
Facility ID: 167252
Station data: User record
Record ID: 1477
Country: U.S.

Build options:
Protect records not on baseline channel
Protect baseline records from LPTV

Stations affected by proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
KSBI	D23	DT	LIC	OKLAHOMA CITY, OK	BLCDT20140530AFS	143.0 km
K23IZ-D	D23	LD	LIC	STRONG CITY, OK	BLDTT20100521AEH	66.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D23

Mask: Simple
Latitude: 36 5 35.00 N (NAD83)
Longitude: 98 57 16.00 W
Height AMSL: 679.2 m
HAAT: 0.0 m
Peak ERP: 0.500 kW
Antenna: Omnidirectional
Elev Pattn: Generic

49.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.500 kW	142.5 m	30.4 km
45.0	0.500	152.2	31.0
90.0	0.500	90.1	25.9
135.0	0.500	156.6	31.3
180.0	0.500	129.4	29.5
225.0	0.500	139.9	30.2
270.0	0.500	94.0	26.3
315.0	0.500	124.0	29.1

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 129 m

Distance to Canadian border: 1434.6 km

Distance to Mexican border: 738.4 km

Conditions at FCC monitoring station: Grand Island NE
Bearing: 4.7 degrees Distance: 538.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 311.1 degrees Distance: 707.4 km

Study cell size: 1.00 km
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

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Interference to BLCDT20140530AFS LIC, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KSBI	D23	DT	LIC	OKLAHOMA CITY, OK	BLCDT20140530AFS	
Undesireds:	K19GZ23P1	D23	LD	APP	SEILING, OK	k19gz23p1	143.0 km
	KOKI-TV	D22	DT	LIC	TULSA, OK	BLCDT20021127AGL	170.0
	KODE-TV	D23	DT	CP	JOPLIN, MO	BLANK0000028345	311.2
	KTXD-TV	D23	DT	CP	GREENVILLE, TX	BLANK0000028056	337.8
	KOKH-TV	D24	DT	LIC	OKLAHOMA CITY, OK	BLCDT20041207ACV	5.4
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
33128.9 1,577,792		32826.1 1,576,278		31282.3 1,559,253		31199.9 1,559,187	0.26 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
K19GZ23P1 D23 LD APP		85.4 66				82.4 66	
KOKI-TV D22 DT LIC		33.3 442		9.1 94		9.1 94	
KODE-TV D23 DT CP		237.2 2,315		203.0 1,920		203.0 1,920	
KTXD-TV D23 DT CP		24.0 82		17.0 61		17.0 61	
KOKH-TV D24 DT LIC		1290.3 14,602		1274.3 14,534		1271.3 14,534	

Interference to BLDTT20100521AEH LIC, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	K23IZ-D	D23	LD	LIC	STRONG CITY, OK	BLDTT20100521AEH	
Undesireds:	K19GZ23P1	D23	LD	APP	SEILING, OK	k19gz23p1	66.6 km
	KSBI	D23	DT	LIC	OKLAHOMA CITY, OK	BLCDT20140530AFS	190.5
	K40JP-D	D23	LD	APP	SAYRE, OK	BLANK0000029937	71.1
	K23EC-D	D23	LD	LIC	CANADIAN, TX	BLDTT20141211ACE	75.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
3299.8 3,664		3215.2 3,646		3122.1 3,579		3111.0 3,575	0.36 0.11
Undesired		Total IX		Unique IX, before		Unique IX, after	
K19GZ23P1 D23 LD APP		35.3 16				11.1 4	
KSBI D23 DT LIC		87.0 48		82.0 48		57.8 36	
K40JP-D D23 LD APP		6.0 7		2.0 7		2.0 7	
K23EC-D D23 LD LIC		5.1 12		4.0 12		4.0 12	

