

# OET-69 Interference Analysis , K11LX, Bullhead City, AZ, Ch. 5 (summary of results)

Census data selected: 2000

Post DTV Transition Database Selected

## TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 10-30-2009

Record Selected for Analysis

K11LX USERRECORD-01 BULLHEAD CITY AZ US  
Channel 05 ERP 0.002 kW HAAT 32. m RCAMSL 00323 m STRINGENT MASK  
Latitude 035-12-46 Longitude 0114-33-18  
Status APP Zone 2 Border  
Dir Antenna Make CDB Model 00000000020773 Beam tilt N Ref Azimuth 170.  
Last update Cutoff date Docket  
Comments  
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	43.0 dBu F(50,90) (km)
0.0	0.000	33.0	2.9
45.0	0.000	33.0	2.8
90.0	0.000	33.0	2.8
135.0	0.001	33.0	5.1
180.0	0.002	44.7	6.7
225.0	0.000	33.0	3.8
270.0	0.000	33.0	2.8
315.0	0.000	33.0	2.8

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is within the Mexican coordination distance  
Distance to border = 277.7km

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
05	K11LX	BULLHEAD CITY AZ	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
05	K05MK	FLAGSTAFF AZ	278.4	CP	BNPTVL	-20000816AAO
05	NEW	PARKER AZ	162.8	APP	BNPDVL	-20090825ARO
05	KYPO-LP	TACNA AZ	187.8	APP	BDISDVL	-20090810ADG
05	NEW	BAKERSFIELD CA	377.5	APP	BNPTVL	-20000828BEJ
05	NEW	BAKERSFIELD CA	380.3	APP	BNPDVL	-20090918AAA
05	KRVD-LP	BANNING CA	244.3	APP	BDISDVL	-20090824AKC
05	KEVC-CA	INDIO CA	219.0	LIC	BLTVL	-19990811JB
05	KHTV-LP	LOS ANGELES CA	339.0	APP	BDISTVL	-20090630AGG
05	K05FO	RIDGECREST, ETC. CA	280.5	LIC	BLTTV	-4568

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05	K05DO	ANTIMONY UT	398.7	LIC	BLTTV	-3433
05	K05HB	CEDAR CITY UT	302.1	LIC	BLTTV	-20040818ABF
05	K05BU	ENTERPRISE UT	275.3	LIC	BLTTV	-542
05	K05DV	ESCALANTE UT	394.4	LIC	BLTT	-3357
05	K05AX	KANAB UT	274.8	LIC	BLTTV	-4127
05	K05BH	MARYSVALE UT	420.9	LIC	BLTTV	-4574
05	K05AT	MINERSVILLE UT	371.9	LIC	BLTTV	-554
05	K05DU	ORDERVILLE UT	287.2	LIC	BLTTV	-3383
05	K05BB	PANGUITCH UT	345.2	LIC	BLTTV	-4429
05	K05AR-D	ROCKVILLE UT	255.3	LIC	BLDTV	-20090406AFQ
05	K05CP	TOQUERVILLE UT	256.0	LIC	BLTTV	-1144
05	K05FY	TROPIC, ETC. UT	355.3	LIC	BLTTV	-4790
06	K06AE	PRESCOTT AZ	200.8	LIC	BLTTV	-3781
06	NEW	QUARTZSITE AZ	183.4	APP	BNPDVL	-20091001AJU
06	NEW	BAKER CA	126.6	APP	BNPDVL	-20090825BHS
06	K06MB	INDIO CA	219.1	LIC	BLTVA	-20050315AGG
06	K06IQ	NEWBERRY SPRINGS CA	197.9	LIC	BLTTV	-5094
06	KCIO-LP	VICTORVILLE CA	224.7	LIC	BLTVL	-20090306ACH
06	DK06KE	INDIAN SPRINGS NV	181.7	LIC	BLTTV	-19810325JE
06	KVPX-LD	LAS VEGAS NV	92.7	CP MOD	BMPDVL	-20090612AES
06	K53DG	LAUGHLIN NV	17.5	APP	BDISDTV	-20090629ABY
06	DK06IT	MERCURY, ETC. NV	203.2	LIC	BLTTV	-4785
06	K06OB	CANE BEDS, AZ/HILLDAL UT	198.2	LIC	BLTTV	-20060213ABO
06	K67HK	ST. GEORGE UT	223.8	CP	BDISTVL	-20081218ABD

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## Analysis of Interference to Affected Station 1

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	K05MK	FLAGSTAFF AZ	BNPTVL	-20000816AAO

### Stations Potentially Affecting This Station

Proposal causes no interference

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## Analysis of Interference to Affected Station 2

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	NEW	PARKER AZ	BNPDVL	-20090825ARO

### Stations Potentially Affecting This Station

Proposal causes no interference

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## Analysis of Interference to Affected Station 3

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	KYPO-LP	TACNA AZ	BDISDVL	-20090810ADG

### Stations Potentially Affecting This Station

Proposal causes no interference

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## Analysis of Interference to Affected Station 4

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	NEW	BAKERSFIELD CA	BNPTVL	-20000828BEJ

### Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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## OET-69 Interference Analysis , K11LX, Bullhead City, AZ, Ch. 5 (summary of results)

### Analysis of Interference to Affected Station 5

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	NEW	BAKERSFIELD CA	BNPDVL	-20090918AAA

#### Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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### Analysis of Interference to Affected Station 6

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	KRVD-LP	BANNING CA	BDISDVL	-20090824AKC

#### Stations Potentially Affecting This Station

Proposal causes no interference

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### Analysis of Interference to Affected Station 7

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	KEVC-CA	INDIO CA	BLTVL	-19990811JB

#### Stations Potentially Affecting This Station

Proposal causes no interference

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### Analysis of Interference to Affected Station 8

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	KHTV-LP	LOS ANGELES CA	BDISTVL	-20090630AGG

#### Stations Potentially Affecting This Station

Proposal causes no interference

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### Analysis of Interference to Affected Station 9

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	K05FO	RIDGECREST, ETC. CA	BLTTV	-4568

#### Stations Potentially Affecting This Station

Proposal causes no interference

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### Analysis of Interference to Affected Station 10

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	K05DO	ANTIMONY UT	BLTTV	-3433

#### Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

## OET-69 Interference Analysis , K11LX, Bullhead City, AZ, Ch. 5 (summary of results)

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### Analysis of Interference to Affected Station 11

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	K05HB	CEDAR CITY UT	BLTTV	-20040818ABF

#### Stations Potentially Affecting This Station

Proposal causes no interference

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### Analysis of Interference to Affected Station 12

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	K05BU	ENTERPRISE UT	BLTTV	-542

#### Stations Potentially Affecting This Station

Proposal causes no interference

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### Analysis of Interference to Affected Station 13

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	K05DV	ESCALANTE UT	BLTT	-3357

#### Stations Potentially Affecting This Station

Proposal causes no interference

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### Analysis of Interference to Affected Station 14

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	K05AX	KANAB UT	BLTTV	-4127

#### Stations Potentially Affecting This Station

Proposal causes no interference

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### Analysis of Interference to Affected Station 15

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	K05BH	MARYSVALE UT	BLTTV	-4574

#### Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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### Analysis of Interference to Affected Station 16

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	K05AT	MINERSVILLE UT	BLTTV	-554

#### Stations Potentially Affecting This Station

Proposed station is beyond the site to

## OET-69 Interference Analysis , K11LX, Bullhead City, AZ, Ch. 5 (summary of results)

nearest cell evaluation distance

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### Analysis of Interference to Affected Station 17

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	K05DU	ORDERVILLE UT	BLTTV	-3383

#### Stations Potentially Affecting This Station

Proposal causes no interference

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### Analysis of Interference to Affected Station 18

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	K05BB	PANGUITCH UT	BLTTV	-4429

#### Stations Potentially Affecting This Station

Proposal causes no interference

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### Analysis of Interference to Affected Station 19

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	K05AR-D	ROCKVILLE UT	BLDTV	-20090406AFQ

#### Stations Potentially Affecting This Station

Proposal causes no interference

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### Analysis of Interference to Affected Station 20

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	K05CP	TOQUERVILLE UT	BLTTV	-1144

#### Stations Potentially Affecting This Station

Proposal causes no interference

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### Analysis of Interference to Affected Station 21

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
05	K05FY	TROPIC, ETC. UT	BLTTV	-4790

#### Stations Potentially Affecting This Station

Proposal causes no interference

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### Analysis of Interference to Affected Station 22

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
06	K06AE	PRESCOTT AZ	BLTTV	-3781

#### Stations Potentially Affecting This Station

## OET-69 Interference Analysis , K11LX, Bullhead City, AZ, Ch. 5 (summary of results)

Proposed station is beyond the site to  
nearest cell evaluation distance

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### Analysis of Interference to Affected Station 23

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
06	NEW	QUARTZSITE AZ	BNPDVL	-20091001AJU

### Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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### Analysis of Interference to Affected Station 24

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
06	NEW	BAKER CA	BNPDVL	-20090825BHS

### Stations Potentially Affecting This Station

Proposal causes no interference

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### Analysis of Interference to Affected Station 25

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
06	K06MB	INDIO CA	BLTVA	-20050315AGG

### Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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### Analysis of Interference to Affected Station 26

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
06	K06IQ	NEWBERRY SPRINGS CA	BLTTV	-5094

### Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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### Analysis of Interference to Affected Station 27

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
06	KCIO-LP	VICTORVILLE CA	BLTVL	-20090306ACH

### Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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### Analysis of Interference to Affected Station 28

Analysis of current record

## OET-69 Interference Analysis , K11LX, Bullhead City, AZ, Ch. 5 (summary of results)

Channel	Call	City/State	Application	Ref. No.
06	DK06KE	INDIAN SPRINGS NV	BLTTV	-19810325JE

Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 29

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
06	KVPX-LD	LAS VEGAS NV	BMPDVL	-20090612AES

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 30

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
06	K53DG	LAUGHLIN NV	BDISDTV	-20090629ABY

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 31

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
06	DK06IT	MERCURY, ETC. NV	BLTTV	-4785

Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 32

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
06	K06OB	CANE BEDS,AZ/HILLDAL UT	BLTTV	-20060213ABO

Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 33

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
06	K67HK	ST. GEORGE UT	BDISTVL	-20081218ABD

Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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# OET-69 Interference Analysis , K11LX, Bullhead City, AZ, Ch. 5 (summary of results)

Analysis of Interference to Affected Station 34

Analysis of current record

Channel	Call	City/State	Application Ref. No.
05	K11LX	BULLHEAD CITY AZ	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
05	NEW	PARKER AZ	162.8	APP	BNPDVL -20090825ARO
05	KYPO-LP	TACNA AZ	187.8	APP	BDISDVL -20090810ADG
05	NEW	BAKERSFIELD CA	380.3	APP	BNPDVL -20090918AAA
05	KRVD-LP	BANNING CA	244.3	APP	BDISDVL -20090824AKC
05	K05AR-D	ROCKVILLE UT	255.3	LIC	BLDTV -20090406AFQ
06	NEW	QUARTZSITE AZ	183.4	APP	BNPDVL -20091001AJU
06	NEW	BAKER CA	126.6	APP	BNPDVL -20090825BHS
06	KVPX-LD	LAS VEGAS NV	92.7	CP MOD	BMPDVL -20090612AES
06	K53DG	LAUGHLIN NV	17.5	APP	BDISDTV -20090629ABY

Total scenarios = 2

Result key: 1

Scenario 1 Affected station 34 K11LX  
Before Analysis

Results for: 5A AZ BULLHEAD CITY USERRECORD01 APP

HAAT 32.0 m, ATV ERP 0.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	2661	47.9
not affected by terrain losses	2661	47.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

Result key: 2

Scenario 2 Affected station 34 K11LX  
Before Analysis

Results for: 5A AZ BULLHEAD CITY USERRECORD01 APP

HAAT 32.0 m, ATV ERP 0.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	2661	47.9
not affected by terrain losses	2661	47.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	50	12.0
lost to ATV IX only	50	12.0
lost to all IX	50	12.0

Potential Interfering Stations Included in above Scenario 2

6A NV LAUGHLIN BDISDTV 20090629ABY APP

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