

# OET-69 Interference Analysis , K02HR, Bullhead City, AZ, Ch. 3 (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

K02HR USERRECORD-01 BULLHEAD CITY AZ US  
Channel 03 ERP 0.001 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	2.8
45.0	0.000	33.0	2.8
90.0	0.000	33.0	2.8
135.0	0.001	33.0	4.2
180.0	0.001	44.7	5.7
225.0	0.000	33.0	3.2
270.0	0.000	33.0	2.8
315.0	0.000	33.0	2.8

## Contour Overlap to Proposed Station

Station  
K02HR 2 BULLHEAD CITY AZ BLTTV4274  
Station inside contour of Digital LPTV station  
K02HR 3 BULLHEAD CITY AZ USERRECORD01  
Station  
K04GT 4 BULLHEAD CITY AZ BLTTV3789  
Station inside contour of Digital LPTV station  
K02HR 3 BULLHEAD CITY AZ USERRECORD01

## 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
03	K02HR	BULLHEAD CITY AZ	USERRECORD01

# OET-69 Interference Analysis , K02HR, Bullhead City, AZ, Ch. 3 (summary of results)

## Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	K02HR	BULLHEAD CITY AZ	0.0	APP	BDFCDTV	-20090824AHQ
02	K02HR	BULLHEAD CITY AZ	0.0	LIC	BLTTV	-4274
02	K02MT	PARKER AZ	125.2	LIC	BLTVL	-19851230IA
02	KCWQ-LP	PALM SPRINGS CA	228.0	LIC	BLTVL	-20060928ALV
02	KVBC-DT	LAS VEGAS NV	97.4	LIC	BLCDT	-20050824ABJ
02	K02FN	MESQUITE NV	185.4	LIC	BLTTV	-20050718AFM
02	K02FJ	VERTON NV	163.5	LIC	BLTT	-3397
03	NEW	FLAGSTAFF AZ	278.5	APP	BNPDVL	-20090825CAX
03	NEW	BAKERSFIELD CA	377.5	APP	BNPTVL	-20000828BEI
03	NEW	BAKERSFIELD CA	404.8	APP	BSFDTL	-20060630AXN
03	KVTU-LP	LOS ANGELES CA	343.7	APP	BSTA	-20091027AEL
03	KVTU-LP	LOS ANGELES CA	304.7	APP	BMPTVL	-20091001ADV
03	KVTU-LP	LOS ANGELES CA	339.0	CP	BPTVL	-20080922AFN
03	KVTU-LP	LOS ANGELES CA	274.9	LIC	BLTVL	-20080918AGH
03	KVTU-LP	LOS ANGELES CA	344.4	APP	BDFCDVL	-20090323ADP
03	KVTU-LP	LOS ANGELES CA	297.9	APP	BDFCDVL	-20080331APN
03	K03EK	NEWBERRY SPRINGS CA	197.9	LIC	BLTTV	-4849
03	K59AO	PALMDALE CA	300.4	APP	BDFCDTT	-20060320AAT
03	K03CM	PIOCHE NV	301.3	LIC	BLTTV	-1111
03	NEW	CEDAR CITY CANYON UT	305.7	APP	BNPDTV	-20090825BCK
03	K03BF	ENTERPRISE UT	275.3	LIC	BLTTV	-541
03	K03CX	LONG VALLEY JUNCTION UT	313.9	LIC	BLTTV	-4550
03	K03AL	TOQUERVILLE UT	256.0	LIC	BLTTV	-264
04	K04GT	BULLHEAD CITY AZ	0.0	APP	BDFCDTV	-20090824AIE
04	K04GT	BULLHEAD CITY AZ	0.0	LIC	BLTTV	-3789
04	K04AI	PRESCOTT AZ	200.8	LIC	BLTTV	-3874
04	KVER-CA	INDIO CA	219.0	LIC	BLTVL	-19900820IO

%%%

## Analysis of Interference to Affected Station 1

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
02	K02HR	BULLHEAD CITY AZ	BDFCDTV	-20090824AHQ

## 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.
02	K02HR	BULLHEAD CITY AZ	BLTTV	-4274

## 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.
02	K02MT	PARKER AZ	BLTVL	-19851230IA

## 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 4

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
02	KCWQ-LP	PALM SPRINGS CA	BLTVL	-20060928ALV

## OET-69 Interference Analysis , K02HR, Bullhead City, AZ, Ch. 3 (summary of results)

### 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 5

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
02	KVBC-DT	LAS VEGAS NV	BLCDDT	-20050824ABJ

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
02	KNAZ-TV	FLAGSTAFF AZ	337.0	CP	BPCDDT	-20080417AAB
03	K02HR	BULLHEAD CITY AZ	97.4	APP	USERRECORD-01	

Total scenarios = 2

Result key: 1  
Scenario 1 Affected station 5 KVBC-DT  
Before Analysis

Results for: 2A NV LAS VEGAS BLCDDT 20050824ABJ LIC

HAAT 386.0 m, ATV ERP 27.7 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	1464283	47896.9
not affected by terrain losses	1421104	41615.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2715	336.2
lost to ATV IX only	2715	336.2
lost to all IX	2715	336.2

Potential Interfering Stations Included in above Scenario 1

2A AZ FLAGSTAFF BPCDDT 20080417AAB CP

#### After Analysis

Results for: 2A NV LAS VEGAS BLCDDT 20050824ABJ LIC

HAAT 386.0 m, ATV ERP 27.7 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	1464283	47896.9
not affected by terrain losses	1421104	41615.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	9148	381.6
lost to ATV IX only	9148	381.6
lost to all IX	9148	381.6

Potential Interfering Stations Included in above Scenario 1

2A AZ FLAGSTAFF BPCDDT 20080417AAB CP  
3A AZ BULLHEAD CITY USERRECORD01 APP

Percent new IX = 0.4535%

Worst case new IX 0.4535% Scenario 1

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### Analysis of Interference to Affected Station 6

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
02	K02FN	MESQUITE NV	BLTTV	-20050718AFM

### 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 7

## OET-69 Interference Analysis , K02HR, Bullhead City, AZ, Ch. 3 (summary of results)

Analysis of current record  
Channel Call City/State Application Ref. No.  
02 K02FJ OVERTON NV BLTT -3397

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 8

Analysis of current record  
Channel Call City/State Application Ref. No.  
03 NEW FLAGSTAFF AZ BNPDL -20090825CAX

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.  
03 NEW BAKERSFIELD CA BNPTVL -20000828BEI

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 10

Analysis of current record  
Channel Call City/State Application Ref. No.  
03 NEW BAKERSFIELD CA BSFDTL -20060630AXN

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 11

Analysis of current record  
Channel Call City/State Application Ref. No.  
03 KVTU-LP LOS ANGELES CA BSTA -20091027AEL

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 12

Analysis of current record  
Channel Call City/State Application Ref. No.  
03 KVTU-LP LOS ANGELES CA BMPTVL -20091001ADV

Stations Potentially Affecting This Station

Proposal causes no interference

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## OET-69 Interference Analysis , K02HR, Bullhead City, AZ, Ch. 3 (summary of results)

### Analysis of Interference to Affected Station 13

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
03	KVTU-LP	LOS ANGELES CA	BPTVL	-20080922AFN

#### 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.
03	KVTU-LP	LOS ANGELES CA	BLTVL	-20080918AGH

#### 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.
03	KVTU-LP	LOS ANGELES CA	BDFCDVL	-20090323ADP

#### Stations Potentially Affecting This Station

Proposal causes no interference

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### Analysis of Interference to Affected Station 16

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
03	KVTU-LP	LOS ANGELES CA	BDFCDVL	-20080331APN

#### Stations Potentially Affecting This Station

Proposal causes no interference

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### Analysis of Interference to Affected Station 17

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
03	K03EK	NEWBERRY SPRINGS CA	BLTTV	-4849

#### 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.
03	K59AO	PALMDALE CA	BDFCDTT	-20060320AAT

#### Stations Potentially Affecting This Station

Proposal causes no interference

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## OET-69 Interference Analysis , K02HR, Bullhead City, AZ, Ch. 3 (summary of results)

### Analysis of Interference to Affected Station 19

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
03	K03CM	PIOCHE NV	BLTTV	-1111

#### 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.
03	NEW	CEDAR CITY CANYON UT	BNPDTV	-20090825BCK

#### 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.
03	K03BF	ENTERPRISE UT	BLTTV	-541

#### 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.
03	K03CX	LONG VALLEY JUNCTION UT	BLTTV	-4550

#### Stations Potentially Affecting This Station

Proposal causes no interference

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### Analysis of Interference to Affected Station 23

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
03	K03AL	TOQUERVILLE UT	BLTTV	-264

#### Stations Potentially Affecting This Station

Proposal causes no interference

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### Analysis of Interference to Affected Station 24

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
04	K04GT	BULLHEAD CITY AZ	BDFCDTV	-20090824AIE

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
04	KRVD-LP	BANNING CA	244.3	APP	BDISDVL	-20090611ACZ
04	NEW	CEDAR CITY UT	302.1	APP	BNPDTV	-20090825ARY
04	NEW	HURRICANE UT	240.3	APP	BNPDVL	-20090902ABW

## OET-69 Interference Analysis , K02HR, Bullhead City, AZ, Ch. 3 (summary of results)

03 K02HR BULLHEAD CITY AZ 0.0 APP USERRECORD-01

Total scenarios = 1

Result key: 3  
Scenario 1 Affected station 24 K04GT  
Before Analysis

Results for: 4A AZ BULLHEAD CITY BDFCDTV 20090824AIE APP

HAAT 1.0 m, ATV ERP 0.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	2687	44.9
not affected by terrain losses	2687	43.9
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

After Analysis

Results for: 4A AZ BULLHEAD CITY BDFCDTV 20090824AIE APP

HAAT 1.0 m, ATV ERP 0.0 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	2687	44.9
not affected by terrain losses	2687	43.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7	9.0
lost to ATV IX only	7	9.0
lost to all IX	7	9.0

Potential Interfering Stations Included in above Scenario 1

3A AZ BULLHEAD CITY USERRECORD01 APP

Percent new IX = 0.2605%

Worst case new IX 0.2605% Scenario 1

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Analysis of Interference to Affected Station 25

Channel	Call	City/State	Application Ref. No.
04	K04GT	BULLHEAD CITY AZ	BLTTV -3789

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 26

Channel	Call	City/State	Application Ref. No.
04	K04AI	PRESCOTT AZ	BLTTV -3874

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

Channel	Call	City/State	Application Ref. No.
04	KVER-CA	INDIO CA	BLTVL -19900820IO

Stations Potentially Affecting This Station

Proposed station is beyond the site to

# OET-69 Interference Analysis , K02HR, Bullhead City, AZ, Ch. 3 (summary of results)

nearest cell evaluation distance

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Analysis of Interference to Affected Station 28

Analysis of current record

Channel	Call	City/State	Application Ref. No.
03	K02HR	BULLHEAD CITY AZ	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
02	K02HR	BULLHEAD CITY AZ	0.0	APP	BDFCDTV -20090824AHQ
02	K02HR	BULLHEAD CITY AZ	0.0	LIC	BLTTV -4274
02	KVBC-DT	LAS VEGAS NV	97.4	LIC	BLCDT -20050824ABJ
02	KVBC	LAS VEGAS NV	97.3	PLN	DTVPLN -DTVP0004
03	NEW	FLAGSTAFF AZ	278.5	APP	BNPDVL -20090825CAX
03	NEW	BAKERSFIELD CA	404.8	APP	BSFDTL -20060630AXN
03	KVTU-LP	LOS ANGELES CA	344.4	APP	BDFCDVL -20090323ADP
03	KVTU-LP	LOS ANGELES CA	297.9	APP	BDFCDVL -20080331APN
03	K59AO	PALMDALE CA	300.4	APP	BDFCDTT -20060320AAT
03	NEW	CEDAR CITY CANYON UT	305.7	APP	BNPDTV -20090825BCK
04	K04GT	BULLHEAD CITY AZ	0.0	APP	BDFCDTV -20090824AIE
04	K04GT	BULLHEAD CITY AZ	0.0	LIC	BLTTV -3789

Total scenarios = 1

Result key: 4

Scenario 1 Affected station 28 K02HR

Before Analysis

Results for: 3A AZ BULLHEAD CITY USERRECORD01 APP  
HAAT 32.0 m, ATV ERP 0.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	2060	37.9
not affected by terrain losses	2060	37.9
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

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED