

Percent allowed new interference: 0.500  
Percent allowed new interference to non Class A LPTV: 2.000

TW Census data selected 2000

Data Base Selected

/space/software/cdb/pt\_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 02-05-2014 Time: 14:59:26

Record Selected for Analysis

KHSC USERRECORD-01 FRESNO CA US  
Channel 16 ERP 13.1 kW HAAT 593. m RCAMSL 01403 m STRINGENT  
MASK  
Latitude 037-04-26 Longitude 0119-25-52  
Status APP Zone 2 Border Site number: 01  
Dir Antenna Make CDB Model 00000000090990 Beam tilt N Ref Azimuth  
230.  
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

Service Class = LD

Maximum height/power limits not checked

Site number 1			
Azimuth	ERP	HAAT	51.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	0.104	490.9	33.794
45.0	0.041	108.4	13.758
90.0	0.055	33.0	8.480
135.0	1.832	478.2	50.892
180.0	13.100	812.3	71.152
225.0	10.342	983.7	72.720
270.0	11.948	929.1	72.699
315.0	3.288	908.7	63.309

Contour Overlap to Proposed Station

Station  
KHSC-LP 16 FRESNO CA BLTTL20050927AHY

Station inside contour of Digital LPTV station  
KHSC 16 FRESNO CA USERRECORD01

Contour Overlap Evaluation to Proposed Station Complete

NO LANDMOBILE SPACING VIOLATIONS FOUND

Checks to Site Number 01

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 beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
16	KHSC	FRESNO CA	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
15	K08MM	BAKERSFIELD CA	201.3	APP	BDISDTA
-20121010AAP					
15	KBSV	CERES CA	178.3	LIC	BLEDT
-20090213AAZ					
15	K15DP	CROWLEY LAKE-LONG VA CA	98.5	LIC	BLTTL
-19940818IC					
15	KFVD-LP	FRESNO CA	102.3	CP	BDFCDTL

-20100810AAY					
15	KFVD-LP	PORTERVILLE CA	102.3	LIC	BLTT
-19891122JU					
15	K15CU	SALINAS CA	187.3	LIC	BLTTL
-20001122AAH					
15	K15CU	SALINAS CA	187.3	CP	BDFCDTT
-20131108AIY					
15	K15DP	SUNNY SLOPES CA	86.2	CP	BDFCDTT
-20111118CQB					
16	KTFB-CA	BAKERSFIELD CA	192.0	CP	BDISDTA
-20070611AKQ					
16	K04QR-D	ESPARTA CA	228.0	APP	BDISDTL
-20110620AHK					
16	K16KH-D	LUCERNE VALLEY CA	370.4	CP	BDCCDTT
-20061030AJR					
16	K16KV-D	ORLAND CA	373.5	CP	BNPDTL
-20100514AAD					
16	K16JW-D	RIDGECREST CA	236.5	LIC	BLDTT
-20120309ABV					
16	K16FC-D	SAN LUIS OBISPO CA	219.8	LIC	BLDTT
-20100510AWS					
16	NEW	STOCKTON CA	137.2	APP	BNPDTL
-20100128AGE					
16	KQJB-LD	CARSON CITY NV	229.2	CP	BNPDTL
-20090825AOU					
16	K16IZ-D	EUREKA NV	406.0	LIC	BLDTT
-20111230AAM					
16	K16FU-D	MINA / LUNING NV	190.5	LIC	BLDTT
-20110311ABU					
16	K16GM-D	YERINGTON NV	213.2	LIC	BLDTT
-20100429ADE					
17	K08MM	BAKERSFIELD CA	195.1	APP	BDISDTA
-20111129AZJ					
17	K17LW-D	BUTTONWILLOW CA	185.8	CP	BNPDTL
-20100514ABZ					
17	K17DF-D	CROWLEY LK CA	80.0	LIC	BLDTT
-20110725ACX					
17	K17JI-D	FRESNO CA	38.8	LIC	BLDTA
-20130205AAH					
17	K17GD	PASO ROBLES CA	197.2	LIC	BLTTA
-20030319AAR					
17	K17FR-D	WALKER LAKE NV	185.2	LIC	BLDTT
-20120229ABR					

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# Analysis of current record

Channel	Call	City/State	Application	Ref. No.
15	K08MM	BAKERSFIELD CA	BDISDTA	-20121010AAP

## Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
15 -20090213AAZ	KBSV	CERES CA	348.4	LIC	BLEDT
15 -20100810AAY	KFVD-LP	FRESNO CA	99.6	CP	BDFCDTL
15 -19891122JU	KFVD-LP	PORTERVILLE CA	99.6	LIC	BLTT
15 -20090622AAI	K15HJ-D	RIDGECREST, ETC. CA	67.5	LIC	BLDTT
15 -20081118AEW	KSBY	SAN LUIS OBISPO CA	202.1	LIC	BLCDT
16 -20070611AKQ	KTFB-CA	BAKERSFIELD CA	28.4	CP	BDISDTA
16	KHSC	FRESNO CA	201.3	APP	USERRECORD-01

Proposed station is beyond the site to nearest cell evaluation distance

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## Analysis of Interference to Affected Station 2

# Analysis of current record

Channel	Call	City/State	Application	Ref. No.
15	KBSV	CERES CA	BLEDT	-20090213AAZ

## Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
14 -20080222ABB	KTNC-TV	CONCORD CA	63.5	CP MOD	BMPCDT
15 -20081118AEW	KSBY	SAN LUIS OBISPO CA	247.2	LIC	BLCDT
15 -20031023AAU	KNPB	RENO NV	268.2	LIC	BLEDT
16	KHSC	FRESNO CA	178.3	APP	USERRECORD-01

Proposed station is beyond the site to

nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
15	K15DP	CROWLEY LAKE-LONG VA CA	BLTTL	-19940818IC

#### Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
15 -20090213AAZ	KBSV	CERES CA	240.1	LIC	BLEDT
15 -20081118AEW	KSBY	SAN LUIS OBISPO CA	316.5	LIC	BLCDT
15 -20031023AAU	KNPB	RENO NV	230.4	LIC	BLEDT
30 -20121206AAP	KFSN-TV	FRESNO CA	98.4	APP	BPCDT
30 -20110914ABW	KFSN-TV	FRESNO CA	98.4	LIC	BLCDT
16	KHSC	FRESNO CA	98.5	APP	USERRECORD-01
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.
15	KFVD-LP	FRESNO CA	BDFCDTL	-20100810AAY

#### Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
15 -20121010AAP	K08MM	BAKERSFIELD CA	99.6	APP	BDISDTA
15 -20090213AAZ	KBSV	CERES CA	263.0	LIC	BLEDT
15	K15CU	SALINAS CA	243.5	LIC	BLTTL

-20001122AAH					
15	KSBY	SAN LUIS OBISPO CA	193.3	LIC	BLCDT
-20081118AEW					
15	KNPB	RENO NV	376.2	LIC	BLEDT
-20031023AAU					
16	KHSC	FRESNO CA	102.3	APP	USERRECORD-01

Total scenarios = 1

Result key: 1  
Scenario 1 Affected station 4  
Before Analysis

Results for: 15A CA FRESNO BDFCDTL 20100810AAY CP  
HAAT 1.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	548684	12267.5
not affected by terrain losses	537421	10573.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	287	266.2
lost to ATV IX only	287	266.2
lost to all IX	287	266.2

Potential Interfering Stations Included in above Scenario 1

15A CA CERES	BLEDT	20090213AAZ	LIC
15A CA SAN LUIS OBISPO	BLCDT	20081118AEW	LIC

After Analysis

Results for: 15A CA FRESNO BDFCDTL 20100810AAY CP  
HAAT 1.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	548684	12267.5
not affected by terrain losses	537421	10573.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	3119	305.5
lost to ATV IX only	3119	305.5
lost to all IX	3119	305.5

Potential Interfering Stations Included in above Scenario 1

15A CA CERES	BLEDT	20090213AAZ	LIC
15A CA SAN LUIS OBISPO	BLCDT	20081118AEW	LIC
16A CA FRESNO	USERRECORD01		APP

Percent new IX = 0.5272%

Worst case new IX 0.5272% Scenario 1

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##

## Analysis of Interference to Affected Station 5

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
15	KFVD-LP	PORTERVILLE CA	BLTT	-19891122JU

### Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
15 -20121010AAP	K08MM	BAKERSFIELD CA	99.6	APP	BDISDTA
15 -20090213AAZ	KBSV	CERES CA	263.0	LIC	BLEDT
15 -20001122AAH	K15CU	SALINAS CA	243.5	LIC	BLTTL
15 -20081118AEW	KSBY	SAN LUIS OBISPO CA	193.3	LIC	BLCDD
15 -20031023AAU	KNPB	RENO NV	376.2	LIC	BLEDT
30 -20121206AAP	KFSN-TV	FRESNO CA	102.8	APP	BPCDD
30 -20110914ABW	KFSN-TV	FRESNO CA	102.8	LIC	BLCDD
16	KHSC	FRESNO CA	102.3	APP	USERRECORD-01
Proposal causes no interference					

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##

## Analysis of Interference to Affected Station 6

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
15	K15CU	SALINAS CA	BLTTL	-20001122AAH

### Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
14 -20080222ABB	KTNC-TV	CONCORD CA	130.4	CP MOD	BMPCDD

14	K14PC-D	MONTEREY CA	44.7	CP	BNPDTL
-20100728AEU					
15	KBSV	CERES CA	84.3	LIC	BLEDT
-20090213AAZ					
15	KFVD-LP	PORTERVILLE CA	243.5	LIC	BLTT
-19891122JU					
15	KSBY	SAN LUIS OBISPO CA	172.8	LIC	BLCDD
-20081118AEW					
15	KNPB	RENO NV	347.7	LIC	BLEDT
-20031023AAU					
19	KOFY-TV	SAN FRANCISCO CA	139.3	LIC	BLCDD
-20091102AAU					
29	KPIX-TV	SAN FRANCISCO CA	139.3	LIC	BLCDD
-20091112AIZ					
30	KQED	SAN FRANCISCO CA	139.3	LIC	BLEDT
-20130104ACT					
16	KHSC	FRESNO CA	187.3	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

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#### Analysis of Interference to Affected Station 7

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
15	K15CU	SALINAS CA	BDFCDT	-20131108AIY

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application
Ref. No.					
14	KTNC-TV	CONCORD CA	130.4	CP MOD	BMPCDD
-20080222ABB					
15	KBSV	CERES CA	84.3	LIC	BLEDT
-20090213AAZ					
15	KSBY	SAN LUIS OBISPO CA	172.8	LIC	BLCDD
-20081118AEW					
15	KNPB	RENO NV	347.7	LIC	BLEDT
-20031023AAU					
16	KHSC	FRESNO CA	187.3	APP	USERRECORD-01

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.
15	K15DP	SUNNY SLOPES CA	BDFCDTT	-20111118CQB

Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
15 -20090213AAZ	KBSV	CERES CA	237.3	LIC	BLEDT
15 -20100810AAY	KFVD-LP	FRESNO CA	143.4	CP	BDFCDTL
15 -19891122JU	KFVD-LP	PORTERVILLE CA	143.4	LIC	BLTT
15 -20081118AEW	KSBY	SAN LUIS OBISPO CA	302.3	LIC	BLCDT
15 -20031023AAU	KNPB	RENO NV	244.1	LIC	BLEDT
16	KHSC	FRESNO CA	86.2	APP	USERRECORD-01

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.
16	KTFB-CA	BAKERSFIELD CA	BDISDTA	-20070611AKQ

Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
15 -20121010AAP	K08MM	BAKERSFIELD CA	28.4	APP	BDISDTA
16 -20120309ABV	K16JW-D	RIDGECREST CA	95.9	LIC	BLDTT
16 -20060630ACH	KINC	LAS VEGAS NV	338.5	LIC	BLCDT
17 -201111129AZJ	K08MM	BAKERSFIELD CA	13.4	APP	BDISDTA

16 KHSC FRESNO CA 192.0 APP USERRECORD-01

Total scenarios = 4

Result key: 2  
Scenario 1 Affected station 9  
Before Analysis

Results for: 16A CA BAKERSFIELD BDISDTA 20070611AKQ CP  
HAAT 1.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	540404	6431.6
not affected by terrain losses	540301	6220.0
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: 16A CA BAKERSFIELD BDISDTA 20070611AKQ CP  
HAAT 1.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	540404	6431.6
not affected by terrain losses	540301	6220.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1102	290.1
lost to ATV IX only	1102	290.1
lost to all IX	1102	290.1

Potential Interfering Stations Included in above Scenario 1

16A CA FRESNO USERRECORD01 APP

Percent new IX = 0.2040%

Result key: 3  
Scenario 2 Affected station 9  
Before Analysis

Results for: 16A CA BAKERSFIELD BDISDTA 20070611AKQ CP  
HAAT 1.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	540404	6431.6
not affected by terrain losses	540301	6220.0
lost to NTSC IX	0	0.0

lost to additional IX by ATV	1294	43.7
lost to ATV IX only	1294	43.7
lost to all IX	1294	43.7

Potential Interfering Stations Included in above Scenario 2

15A CA BAKERSFIELD	BDISDTA	20121010AAP	APP
17A CA BAKERSFIELD	BDISDTA	20111129AZJ	APP

After Analysis

Results for: 16A CA BAKERSFIELD BDISDTA 20070611AKQ CP  
 HAAT 1.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	540404	6431.6
not affected by terrain losses	540301	6220.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	2396	328.8
lost to ATV IX only	2396	328.8
lost to all IX	2396	328.8

Potential Interfering Stations Included in above Scenario 2

15A CA BAKERSFIELD	BDISDTA	20121010AAP	APP
17A CA BAKERSFIELD	BDISDTA	20111129AZJ	APP
16A CA FRESNO	USERRECORD01		APP

Percent new IX = 0.2045%

Result key: 4  
 Scenario 3 Affected station 9  
 Before Analysis

Results for: 16A CA BAKERSFIELD BDISDTA 20070611AKQ CP  
 HAAT 1.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	540404	6431.6
not affected by terrain losses	540301	6220.0
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1247	7.9
lost to ATV IX only	1247	7.9
lost to all IX	1247	7.9

Potential Interfering Stations Included in above Scenario 3

15A CA BAKERSFIELD	BDISDTA	20121010AAP	APP
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After Analysis

Results for: 16A CA BAKERSFIELD BDISDTA 20070611AKQ CP

HAAT	1.0 m, ATV ERP	15.0 kW	
		POPULATION	AREA (sq km)
within Noise Limited Contour		540404	6431.6
not affected by terrain losses		540301	6220.0
lost to NTSC IX		0	0.0
lost to additional IX by ATV		2349	297.0
lost to ATV IX only		2349	297.0
lost to all IX		2349	297.0

Potential Interfering Stations Included in above Scenario 3

15A CA BAKERSFIELD	BDISDTA	20121010AAP	APP
16A CA FRESNO	USERRECORD01		APP

Percent new IX = 0.2044%

Result key: 5  
Scenario 4 Affected station 9  
Before Analysis

Results for: 16A CA BAKERSFIELD BDISDTA 20070611AKQ CP

HAAT	1.0 m, ATV ERP	15.0 kW	
		POPULATION	AREA (sq km)
within Noise Limited Contour		540404	6431.6
not affected by terrain losses		540301	6220.0
lost to NTSC IX		0	0.0
lost to additional IX by ATV		1294	42.7
lost to ATV IX only		1294	42.7
lost to all IX		1294	42.7

Potential Interfering Stations Included in above Scenario 4

17A CA BAKERSFIELD	BDISDTA	20111129AZJ	APP
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After Analysis

Results for: 16A CA BAKERSFIELD BDISDTA 20070611AKQ CP

HAAT	1.0 m, ATV ERP	15.0 kW	
		POPULATION	AREA (sq km)
within Noise Limited Contour		540404	6431.6
not affected by terrain losses		540301	6220.0
lost to NTSC IX		0	0.0
lost to additional IX by ATV		2396	327.8
lost to ATV IX only		2396	327.8
lost to all IX		2396	327.8

Potential Interfering Stations Included in above Scenario 4

17A CA BAKERSFIELD	BDISDTA	20111129AZJ	APP
16A CA FRESNO	USERRECORD01		APP

Percent new IX = 0.2045%

Worst case new IX 0.2045% Scenario 2

#####  
##

#### Analysis of Interference to Affected Station 10

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
16	K04QR-D	ESPARTA CA	BDISDTL	-20110620AHK

##### Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
15 -20090213AAZ	KBSV	CERES CA	129.0	LIC	BLEDT
15 -20080804ACR	KMUM-CD	SACRAMENTO CA	33.5	APP	BDFCDTA
17 -20070103AAV	KSTV-LP	SACRAMENTO CA	0.0	APP	BDISTTL
16	KHSC	FRESNO CA	228.0	APP	USERRECORD-01

Proposal causes no interference

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##

#### Analysis of Interference to Affected Station 11

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
16	K16KH-D	LUCERNE VALLEY CA	BDCCDTT	-20061030AJR

##### Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
15 -19880307IE	K15CA	LUCERNE VALLEY CA	0.0	LIC	BLTT
16 -20110601AKZ	KSWT-DR	YUMA AZ	245.9	DIS	BPRM
16 -19790730ID	K16AA	MORONGO VALLEY CA	53.8	LIC	BLTT

16	K16AA	MORONGO VALLEY CA	53.8	CP	BDFCDTT
-20120109ACY					
16	K20HZ	PALM SPRINGS CA	77.9	APP	BDISDTL
-20130815AAR					
16	K16FI	TWENTYNINE PALMS,ETC CA	95.2	LIC	BLTT
-20021007ABA					
16	KINC	LAS VEGAS NV	234.5	LIC	BLCDDT
-20060630ACH					
17	K17KD	LUCERNE VALLEY CA	0.0	LIC	BLTT
-20120112AFA					
17	K17KD	LUCERNE VALLEY CA	0.0	APP	BDFCDTT
-20120503AEX					
16	KHSC	FRESNO CA	370.4	APP	USERRECORD-01
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.
16	K16KV-D	ORLAND CA	BNPDTL	-20100514AAD

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application
Ref. No.					
16	KHSC	FRESNO CA	373.5	APP	USERRECORD-01
Proposal causes no interference					

#####  
##

#### Analysis of Interference to Affected Station 13

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
16	K16JW-D	RIDGECREST CA	BLDTT	-20120309ABV

##### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application
Ref. No.					
15	K15HJ-D	RIDGECREST, ETC. CA	0.0	LIC	BLDTT
-20090622AAI					

16	KSWT-DR	YUMA AZ	376.1	DIS	BPRM
-20110601AKZ					
16	KTFB-CA	BAKERSFIELD CA	95.9	CP	BDISDTA
-20070611AKQ					
16	KINC	LAS VEGAS NV	243.8	LIC	BLCDDT
-20060630ACH					
17	K17HY-D	RIDGECREST, ETC. CA	0.0	LIC	BLDDTT
-20090622AAJ					
16	KHSC	FRESNO CA	236.5	APP	USERRECORD-01
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.
16	K16FC-D	SAN LUIS OBISPO CA	BLDDTT	-20100510AWS

#### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application
Ref. No.					
15	KSBY	SAN LUIS OBISPO CA	0.0	LIC	BLCDDT
-20081118AEW					
17	K17GD	PASO ROBLES CA	32.6	LIC	BLTTA
-20030319AAR					
17	K17KP-D	SAN LUIS OBISPO CA	30.9	CP	BNPDTL
-20100423AAH					
16	KHSC	FRESNO CA	219.8	APP	USERRECORD-01

Total scenarios = 1

Result key: 6  
Scenario 1 Affected station 14  
Before Analysis

Results for: 16A CA SAN LUIS OBISPO BLDTT 20100510AWS LIC  
HAAT 1.0 m, ATV ERP 8.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	348705	8818.5
not affected by terrain losses	346326	8193.8
lost to NTSC IX	0	0.0
lost to additional IX by ATV	62475	921.6
lost to ATV IX only	62475	921.6
lost to all IX	62475	921.6

Potential Interfering Stations Included in above Scenario 1

15A CA SAN LUIS OBISPO	BLCDT	20081118AEW	LIC
17A CA SAN LUIS OBISPO	BNPDTL	20100423AAH	CP

After Analysis

Results for: 16A CA SAN LUIS OBISPO	BLDTT	20100510AWS	LIC
HAAT 1.0 m, ATV ERP 8.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	348705	8818.5	
not affected by terrain losses	346326	8193.8	
lost to NTSC IX	0	0.0	
lost to additional IX by ATV	62486	932.6	
lost to ATV IX only	62486	932.6	
lost to all IX	62486	932.6	

Potential Interfering Stations Included in above Scenario 1

15A CA SAN LUIS OBISPO	BLCDT	20081118AEW	LIC
17A CA SAN LUIS OBISPO	BNPDTL	20100423AAH	CP
16A CA FRESNO	USERRECORD01		APP

Percent new IX = 0.0039%

Worst case new IX 0.0039% Scenario 1

#####  
##

Analysis of Interference to Affected Station 15

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
16	NEW	STOCKTON CA	BNPDTL	-20100128AGE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application
Ref. No.					
15	KBSV	CERES CA	46.9	LIC	BLEDT
-20090213AAZ					
16	K04QR-D	ESPARTA CA	120.8	APP	BDISDTL
-20110620AHK					
16	KHSC	FRESNO CA	137.2	APP	USERRECORD-01

Total scenarios = 1



Result key: 7  
Scenario 1 Affected station 15  
Before Analysis

Results for: 16A CA STOCKTON BNPDTL 20100128AGE APP  
HAAT 1.0 m, ATV ERP 1.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	262765	1055.5
not affected by terrain losses	262765	1055.5
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: 16A CA STOCKTON BNPDTL 20100128AGE APP  
HAAT 1.0 m, ATV ERP 1.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	262765	1055.5
not affected by terrain losses	262765	1055.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	144500	331.3
lost to ATV IX only	144500	331.3
lost to all IX	144500	331.3

Potential Interfering Stations Included in above Scenario 1

16A CA FRESNO USERRECORD01 APP

The following station failed the de minimis interference criteria.

16D CA FRESNO USERRECORD01  
ERP 13.10 kW HAAT 593.0 m RCAMSL 1403.0 m  
Antenna CDB 00000000090990

Due to interference to the following station and scenario: 1

16D CA STOCKTON BNPDTL 20100128AGE  
ERP 1.00 kW HAAT 1.0 m RCAMSL 111.0 m  
Antenna CDB 00000000103090

Percent new interference from proposal: 54.9921 to BNPDTL  
20100128AGE

Worst case new IX 54.9921% Scenario 1

Proposed station is MX

16A CA FRESNO

USERRECORD01

APP

16A CA STOCKTON

BNPDTL

20100128AGE

APP

Proposal MX with BNPDTL

20100128AGE

scenario

1 of station

15

#####  
##

### Analysis of Interference to Affected Station 16

Analysis of current record

Channel

Call

City/State

Application Ref. No.

16

KQJB-LD

CARSON CITY NV

BNPDTL

-20090825A0U

### Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
15	KNPB	RENO NV	54.1	LIC	BLEDT
-20031023AAU					
15	KNPB	TRUCKEE/LAKE TAHOE NV	24.8	LIC	BLEDT
-20101109ACK					
15	KNPB	TRUCKEE/LAKE TAHOE NV	24.8	APP	BDRTEDT
-20090825BIO					
16	K04QR-D	ESPARTA CA	115.5	APP	BDISDTL
-20110620AHK					
16	K16GM-D	YERINGTON NV	57.9	LIC	BLDTT
-20100429ADE					
17	K17CA-D	CARSON CITY NV	24.1	LIC	BLDTT
-20090108AAO					
16	KHSC	FRESNO CA	229.2	APP	USERRECORD-01

Proposal causes no interference

#####  
##

### Analysis of Interference to Affected Station 17

Analysis of current record

Channel

Call

City/State

Application Ref. No.

16

K16IZ-D

EUREKA NV

BLDTT

-20111230AAM

# Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
15 -20040929AQF	K15GS	DUCKWATER, ETC. NV	7.5	LIC	BLTT
17 -20021112ABC	K17FY	EUREKA NV	4.7	LIC	BLTT
16	KHSC	FRESNO CA	406.0	APP	USERRECORD-01

Proposal causes no interference

#####  
##

## Analysis of Interference to Affected Station 18

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
16	K16FU-D	MINA / LUNING NV	BLDTT	-20110311ABU

# Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
16 -20060630ACH	KINC	LAS VEGAS NV	380.7	LIC	BLCDT
16	KHSC	FRESNO CA	190.5	APP	USERRECORD-01

Proposal causes no interference

#####  
##

## Analysis of Interference to Affected Station 19

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
16	K16GM-D	YERINGTON NV	BLDTT	-20100429ADE

# Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
15 -20031023AAU	KNPB	RENO NV	81.8	LIC	BLEDT
16 -20090825AOU	KQJB-LD	CARSON CITY NV	57.9	CP	BNPDTL

16 KHSC FRESNO CA 213.2 APP USERRECORD-01  
Proposal causes no interference

#####  
##

#### Analysis of Interference to Affected Station 20

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
17	K08MM	BAKERSFIELD CA	BDISDTA	-20111129AZJ

#### Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
16 -20070611AKQ	KTFB-CA	BAKERSFIELD CA	13.4	CP	BDISDTA
17 -20100518AAH	K17LX-D	BAKERSFIELD CA	53.1	CP	BMJADTL
17 -20100514ABZ	K17LW-D	BUTTONWILLOW CA	72.7	CP	BNPDTL
17 -19910411IA	KTSK-LP	DAGGETT, ETC. CA	166.7	LIC	BLTTL
17 -20130205AAH	K17JI-D	FRESNO CA	156.4	LIC	BLDTA
17 -19980720JB	KLDF-CA	LOMPOC CA	186.1	LIC	BLTTL
17 -20030319AAR	K17GD	PASO ROBLES CA	195.1	LIC	BLTTA
17 -20090622AAJ	K17HY-D	RIDGECREST, ETC. CA	82.6	LIC	BLDTT
18 -20130128ACY	K18HD-D	BAKERSFIELD CA	13.3	LIC	BLDTL
16	KHSC	FRESNO CA	195.1	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

#####  
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#### Analysis of Interference to Affected Station 21

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
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17 K17LW-D BUTTONWILLOW CA BNPDTL -20100514ABZ

Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
17 -20100518AAH	K17LX-D	BAKERSFIELD CA	35.4	CP	BMJADTL
17 -20111129AZJ	K08MM	BAKERSFIELD CA	72.7	APP	BDISDTA
17 -20130205AAH	K17JI-D	FRESNO CA	149.6	LIC	BLDTA
17 -19980720JB	KLDF-CA	LOMPOC CA	120.7	LIC	BLTTL
17 -20030319AAR	K17GD	PASO ROBLES CA	124.5	LIC	BLTTA
16	KHSC	FRESNO CA	185.8	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

#####  
##

Analysis of Interference to Affected Station 22

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
17	K17DF-D	CROWLEY LK CA	BLDTT	-20110725ACX

Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
17 -20130205AAH	K17JI-D	FRESNO CA	103.5	LIC	BLDTA
17 -20070103AAV	KSTV-LP	SACRAMENTO CA	231.6	APP	BDISTTL
16	KHSC	FRESNO CA	80.0	APP	USERRECORD-01

Proposal causes no interference

#####  
##

Analysis of Interference to Affected Station 23

# Analysis of current record

Channel	Call	City/State	Application	Ref. No.
17	K17JI-D	FRESNO CA	BLDTA	-20130205AAH

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application
Ref. No.					
17	K08MM	BAKERSFIELD CA	156.4	APP	BDISDTA
-20111129AZJ					
17	K17GD	PASO ROBLES CA	178.8	LIC	BLTTA
-20030319AAR					
18	KFAZ-CA	VISALIA CA	0.0	CP	BDISDTA
-20091230ACA					
16	KHSC	FRESNO CA	38.8	APP	USERRECORD-01

Total scenarios = 3

Result key: 8  
Scenario 1 Affected station 23  
Before Analysis

Results for: 17A CA FRESNO BLDTA 20130205AAH LIC  
HAAT 1.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	999216	7658.0
not affected by terrain losses	997107	7319.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1572	84.2
lost to ATV IX only	1572	84.2
lost to all IX	1572	84.2

Potential Interfering Stations Included in above Scenario 1

18A CA VISALIA BDISDTA 20091230ACA CP

## After Analysis

Results for: 17A CA FRESNO BLDTA 20130205AAH LIC  
HAAT 1.0 m, ATV ERP 15.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	999216	7658.0
not affected by terrain losses	997107	7319.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	6320	240.9
lost to ATV IX only	6320	240.9
lost to all IX	6320	240.9

Potential Interfering Stations Included in above Scenario 1

Results for: 17A CA FRESNO BLDTA 20130205AAH LIC

HAAT	1.0 m, ATV ERP	15.0 kW	
		POPULATION	AREA (sq km)
within Noise Limited Contour		999216	7658.0
not affected by terrain losses		997107	7319.2
lost to NTSC IX		0	0.0
lost to additional IX by ATV		1572	84.2
lost to ATV IX only		1572	84.2
lost to all IX		1572	84.2

Potential Interfering Stations Included in above Scenario 3

18A CA VISALIA BDISDTA 20091230ACA CP

After Analysis

Results for: 17A CA FRESNO BLDTA 20130205AAH LIC

HAAT	1.0 m, ATV ERP	15.0 kW	
		POPULATION	AREA (sq km)
within Noise Limited Contour		999216	7658.0
not affected by terrain losses		997107	7319.2
lost to NTSC IX		0	0.0
lost to additional IX by ATV		6320	240.9
lost to ATV IX only		6320	240.9
lost to all IX		6320	240.9

Potential Interfering Stations Included in above Scenario 3

18A CA VISALIA BDISDTA 20091230ACA CP  
16A CA FRESNO USERRECORD01 APP

Percent new IX = 0.4769%

Worst case new IX 0.4769% Scenario 1

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##

Analysis of Interference to Affected Station 24

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
17	K17GD	PASO ROBLES CA	BLTTA	-20030319AAR

Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
15	KSBY	SAN LUIS OBISPO CA	32.6	LIC	BLCDT



-20081118AEW					
16	K16FC-D	SAN LUIS OBISPO CA	32.6	LIC	BLDTT
-20100510AWS					
17	KLDF-CA	LOMPOC CA	104.1	LIC	BLTTL
-19980720JB					
17	K17KP-D	SAN LUIS OBISPO CA	63.2	CP	BNPDTL
-20100423AAH					
17	KSBB-LP	SANTA BARBARA CA	166.3	LIC	BLTTL
-20010710AAX					
19	KCOY-TV	SANTA MARIA CA	95.9	LIC	BLC DT
-20030604ACM					
21	KPMR	SANTA BARBARA CA	142.6	APP	BPCDT
-20120817ABD					
21	KPMR	SANTA BARBARA CA	143.3	LIC	BLC DT
-20110607ABB					
25	KQET	WATSONVILLE CA	141.2	LIC	BLEDT
-20090624ABV					
31	KSMS-TV	MONTEREY CA	141.2	LIC	BLC DT
-20120111ABM					
32	KION-TV	MONTEREY CA	126.7	LIC	BLC DT
-20030604ACO					
16	KHSC	FRESNO CA	197.2	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

#####  
##

#### Analysis of Interference to Affected Station 25

##### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
17	K17FR-D	WALKER LAKE NV	BLDTT	-20120229ABR

#### Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
17	KSTV-LP	SACRAMENTO CA	220.6	APP	BDISTTL
-20070103AAV					
17	K17CA-D	CARSON CITY NV	123.7	LIC	BLDTT
-20090108AAO					
16	KHSC	FRESNO CA	185.2	APP	USERRECORD-01

Proposed station is beyond the site to  
nearest cell evaluation distance

#####  
##

## Analysis of Interference to Affected Station 26

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
16	KHSC	FRESNO CA	USERRECORD-01

### Stations Potentially Affecting This Station

Chan Ref. No.	Call	City/State	Dist(km)	Status	Application
16 -20070611AKQ	KTFB-CA	BAKERSFIELD CA	192.0	CP	BDISDTA
16 -20100128AGE	NEW	STOCKTON CA	137.2	APP	BNPDTL
17 -20130205AAH	K17JI-D	FRESNO CA	38.8	LIC	BLDTA

Total scenarios = 3

Result key: 11  
Scenario 1 Affected station 26  
Before Analysis

Results for: 16A CA FRESNO USERRECORD01 APP

HAAT 593.0 m, ATV ERP 13.1 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	912419	10189.0
not affected by terrain losses	897808	9471.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	26612	247.8
lost to ATV IX only	26612	247.8
lost to all IX	26612	247.8

Potential Interfering Stations Included in above Scenario 1

16A CA BAKERSFIELD	BDISDTA	20070611AKQ	CP
17A CA FRESNO	BLDTA	20130205AAH	LIC

Result key: 12  
Scenario 2 Affected station 26  
Before Analysis

Results for: 16A CA FRESNO USERRECORD01 APP

HAAT 593.0 m, ATV ERP 13.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	912419	10189.0
not affected by terrain losses	897808	9471.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	26615	255.8
lost to ATV IX only	26615	255.8
lost to all IX	26615	255.8

Potential Interfering Stations Included in above Scenario 2

16A CA BAKERSFIELD	BDISDTA	20070611AKQ	CP
16A CA STOCKTON	BNPDTL	20100128AGE	APP
17A CA FRESNO	BLDTA	20130205AAH	LIC

Result key: 13  
 Scenario 3 Affected station 26  
 Before Analysis

Results for: 16A CA FRESNO USERRECORD01 APP  
 HAAT 593.0 m, ATV ERP 13.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	912419	10189.0
not affected by terrain losses	897808	9471.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	26612	247.8
lost to ATV IX only	26612	247.8
lost to all IX	26612	247.8

Potential Interfering Stations Included in above Scenario 3

16A CA BAKERSFIELD	BDISDTA	20070611AKQ	CP
17A CA FRESNO	BLDTA	20130205AAH	LIC

Proposal fails - It has no service

Proposal fails scenario 3 received IX increased to 100.0%

Proposal is MX with BNPDTL 20100128AGE in scenario 3

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