

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/cdbs/pt_tvdb.sff
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 08-07-2014 Time: 13:39:43

Record Selected for Analysis

NEW30A USERRECORD-01 MONTEREY CA US
Channel 07 ERP 0.1 kW HAAT 46. m RCAMSL 00084 m STRINGENT MASK
Latitude 036-35-11 Longitude 0121-51-06
Status APP Zone 1 Border Site number: 01
Dir Antenna Make CDB Model 00000000020786 Beam tilt N Ref Azimuth 30.
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	48.0	dBu F(50,90)
(Deg)	(kW)	(m)		(km)
0.0	0.037	83.9		16.975
45.0	0.077	33.0		12.841
90.0	0.000	33.0		2.510
135.0	0.000	33.0		2.510
180.0	0.000	33.0		2.510
225.0	0.000	47.7		3.048
270.0	0.000	33.0		2.510
315.0	0.000	84.0		3.785

Database HAAT does not agree with computed HAAT
Database HAAT: 46 Computed HAAT: 48

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

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

 Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
07	NEW30A	MONTEREY CA	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KASC-LP	ATASCADERO CA	162.7	LIC	BLTVL	-19990806JD
07	K07QM	BRIDGEPORT, ETC. CA	297.1	LIC	BLTTV	-19801021IU
07	KAIL	FRESNO CA	222.0	CP	BPCDT	-20100401ABQ
07	KAIL	FRESNO CA	222.0	LIC	BLCDT	-20021002ABH
07	K07NH	RIDGECREST, ETC. CA	395.0	LIC	BLTTV	-4569
07	KGO-TV	SAN FRANCISCO CA	140.4	LIC	BLCDT	-20090824ADG
07	KRNV-DT	RENO NV	348.9	LIC	BLCDT	-20131112BLB
08	KSBW	SALINAS CA	36.5	LIC	BLCDT	-20090901ACY
08	KDTS-LD	SAN FRANCISCO CA	145.3	LIC	BLDVL	-20110107ADR

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
07	KASC-LP	ATASCADERO CA	BLTVL	-19990806JD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KAIL	FRESNO CA	214.3	CP	BPCDT	-20100401ABQ
07	KAIL	FRESNO CA	214.4	LIC	BLCDT	-20021002ABH
07	KABC-TV	LOS ANGELES CA	277.1	LIC	BLCDT	-20110503ACD
07	K07ZK-D	MONTEREY CA	145.7	CP	BNPDVL	-20100602AJR
07	KGO-TV	SAN FRANCISCO CA	299.7	LIC	BLCDT	-20090824ADG
07	NEW30A	MONTEREY CA	162.7	APP	USERRECORD-01	

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.
07	K07QM	BRIDGEPORT, ETC. CA	BLTTV	-19801021IU

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KAIL	FRESNO CA	146.4	CP	BPCDT	-20100401ABQ
07	KAIL	FRESNO CA	146.3	LIC	BLCDT	-20021002ABH
07	KRCR-TV	REDDING CA	374.1	LIC	BLCDT	-20110930AST
07	KGO-TV	SAN FRANCISCO CA	279.2	LIC	BLCDT	-20090824ADG
07	KRNV-DT	RENO NV	112.5	LIC	BLCDT	-20131112BLB
08	KOLO-TV	RENO NV	112.2	LIC	BLCDT	-20090612ABN
07	NEW30A	MONTEREY CA	297.1	APP	USERRECORD-01	

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.
07	KAIL	FRESNO CA	BPCDT	-20100401ABQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KABC-TV	LOS ANGELES CA	339.4	LIC	BLCDT	-20110503ACD
07	KGO-TV	SAN FRANCISCO CA	277.3	LIC	BLCDT	-20090824ADG
07	KLAS-TV	LAS VEGAS NV	411.5	LIC	BLCDT	-20041202ACC
07	KRNV-DT	RENO NV	252.5	LIC	BLCDT	-20131112BLB
08	KSBW	SALINAS CA	187.3	LIC	BLCDT	-20090901ACY
07	NEW30A	MONTEREY CA	222.0	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.
07	KAIL	FRESNO CA	BLCDT	-20021002ABH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
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07	KABC-TV	LOS ANGELES CA	339.5	LIC	BLCDT	-20110503ACD
07	KGO-TV	SAN FRANCISCO CA	277.2	LIC	BLCDT	-20090824ADG
07	KLAS-TV	LAS VEGAS NV	411.6	LIC	BLCDT	-20041202ACC
07	KRNV-DT	RENO NV	252.4	LIC	BLCDT	-20131112BLB
08	KSBW	SALINAS CA	187.3	LIC	BLCDT	-20090901ACY
07	NEW30A	MONTEREY CA	222.0	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
07	K07NH	RIDGECREST, ETC. CA	BLTTV -4569

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	KAIL	FRESNO CA	226.5	CP	BPCDT -20100401ABQ
07	KAIL	FRESNO CA	226.6	LIC	BLCDT -20021002ABH
07	KABC-TV	LOS ANGELES CA	165.0	LIC	BLCDT -20110503ACD
07	KLAS-TV	LAS VEGAS NV	233.0	LIC	BLCDT -20041202ACC
07	NEW30A	MONTEREY CA	395.0	APP	USERRECORD-01

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.
07	KGO-TV	SAN FRANCISCO CA	BLCDT -20090824ADG

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	KAIL	FRESNO CA	277.3	CP	BPCDT -20100401ABQ
07	KAIL	FRESNO CA	277.2	LIC	BLCDT -20021002ABH
07	KRCR-TV	REDDING CA	317.0	LIC	BLCDT -20110930AST
07	KRNV-DT	RENO NV	282.6	LIC	BLCDT -20131112BLB
08	KSBW	SALINAS CA	139.3	LIC	BLCDT -20090901ACY
07	NEW30A	MONTEREY CA	140.4	APP	USERRECORD-01

Total scenarios = 2

Result key: 1
Scenario 1 Affected station 6
Before Analysis

Results for: 7A CA SAN FRANCISCO BLCDT 20090824ADG LIC
HAAT 519.0 m, ATV ERP 23.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7720054	41726.5
not affected by terrain losses	7122140	37117.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	612475	4198.2
lost to ATV IX only	612475	4198.2
lost to all IX	612475	4198.2

Potential Interfering Stations Included in above Scenario 1

7A CA FRESNO	BPCDT	20100401ABQ	CP
7A CA REDDING	BLCDT	20110930AST	LIC
7A NV RENO	BLCDT	20131112BLB	LIC
8A CA SALINAS	BLCDT	20090901ACY	LIC

After Analysis

Results for: 7A CA SAN FRANCISCO BLCDT 20090824ADG LIC
HAAT 519.0 m, ATV ERP 23.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7720054	41726.5
not affected by terrain losses	7122140	37117.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	614258	4224.8
lost to ATV IX only	614258	4224.8
lost to all IX	614258	4224.8

Potential Interfering Stations Included in above Scenario 1

7A CA FRESNO	BPCDT	20100401ABQ	CP
7A CA REDDING	BLCDT	20110930AST	LIC
7A NV RENO	BLCDT	20131112BLB	LIC
8A CA SALINAS	BLCDT	20090901ACY	LIC
7A CA MONTEREY	USERRECORD01		APP

Percent new IX = 0.0274%

Result key: 2
Scenario 2 Affected station 6
Before Analysis

Results for: 7A CA SAN FRANCISCO BLCDT 20090824ADG LIC
HAAT 519.0 m, ATV ERP 23.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7720054	41726.5
not affected by terrain losses	7122140	37117.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	612820	4233.7
lost to ATV IX only	612820	4233.7
lost to all IX	612820	4233.7

Potential Interfering Stations Included in above Scenario 2

7A CA FRESNO	BLCDT	20021002ABH	LIC
7A CA REDDING	BLCDT	20110930AST	LIC

7A NV RENO BLCDT 20131112BLB LIC
 8A CA SALINAS BLCDT 20090901ACY LIC

After Analysis

Results for: 7A CA SAN FRANCISCO BLCDT 20090824ADG LIC
 HAAT 519.0 m, ATV ERP 23.8 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	7720054	41726.5
not affected by terrain losses	7122140	37117.2
lost to NTSC IX	0	0.0
lost to additional IX by ATV	614603	4260.4
lost to ATV IX only	614603	4260.4
lost to all IX	614603	4260.4

Potential Interfering Stations Included in above Scenario 2

7A CA FRESNO BLCDT 20021002ABH LIC
 7A CA REDDING BLCDT 20110930AST LIC
 7A NV RENO BLCDT 20131112BLB LIC
 8A CA SALINAS BLCDT 20090901ACY LIC
 7A CA MONTEREY USERRECORD01 APP

Percent new IX = 0.0274%

Worst case new IX 0.0274% Scenario 2

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
07	KRNV-DT	RENO NV	BLCDT -20131112BLB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
07	KAIL	FRESNO CA	252.5	CP	BPCDT -20100401ABQ
07	KAIL	FRESNO CA	252.4	LIC	BLCDT -20021002ABH
07	KRCR-TV	REDDING CA	275.6	LIC	BLCDT -20110930AST
07	KGO-TV	SAN FRANCISCO CA	282.6	LIC	BLCDT -20090824ADG
08	KOLO-TV	RENO NV	0.3	LIC	BLCDT -20090612ABN
07	NEW30A	MONTEREY CA	348.9	APP	USERRECORD-01

Total scenarios = 2

Result key: 3
 Scenario 1 Affected station 7
 Before Analysis

Results for: 7A NV RENO BLCDT 20131112BLB LIC
 HAAT 879.0 m, ATV ERP 16.1 kW

POPULATION AREA (sq km)

within Noise Limited Contour	849133	49135.2
not affected by terrain losses	707556	41001.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	25165	1175.7
lost to ATV IX only	25165	1175.7
lost to all IX	25165	1175.7

Potential Interfering Stations Included in above Scenario 1

7A CA FRESNO	BPCDT	20100401ABQ	CP
7A CA REDDING	BLCDT	20110930AST	LIC
7A CA SAN FRANCISCO	BLCDT	20090824ADG	LIC
8A NV RENO	BLCDT	20090612ABN	LIC

After Analysis

Results for: 7A NV RENO BLCDT 20131112BLB LIC
 HAAT 879.0 m, ATV ERP 16.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	849133	49135.2
not affected by terrain losses	707556	41001.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	25165	1175.7
lost to ATV IX only	25165	1175.7
lost to all IX	25165	1175.7

Potential Interfering Stations Included in above Scenario 1

7A CA FRESNO	BPCDT	20100401ABQ	CP
7A CA REDDING	BLCDT	20110930AST	LIC
7A CA SAN FRANCISCO	BLCDT	20090824ADG	LIC
8A NV RENO	BLCDT	20090612ABN	LIC
7A CA MONTEREY	USERRECORD01		APP

Percent new IX = 0.0000%

Result key: 4
 Scenario 2 Affected station 7
 Before Analysis

Results for: 7A NV RENO BLCDT 20131112BLB LIC
 HAAT 879.0 m, ATV ERP 16.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	849133	49135.2
not affected by terrain losses	707556	41001.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	25165	1173.7
lost to ATV IX only	25165	1173.7
lost to all IX	25165	1173.7

Potential Interfering Stations Included in above Scenario 2

7A CA FRESNO	BLCDT	20021002ABH	LIC
7A CA REDDING	BLCDT	20110930AST	LIC
7A CA SAN FRANCISCO	BLCDT	20090824ADG	LIC
8A NV RENO	BLCDT	20090612ABN	LIC

After Analysis

Results for: 7A NV RENO BLCDT 20131112BLB LIC
HAAT 879.0 m, ATV ERP 16.1 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	849133	49135.2
not affected by terrain losses	707556	41001.7
lost to NTSC IX	0	0.0
lost to additional IX by ATV	25165	1173.7
lost to ATV IX only	25165	1173.7
lost to all IX	25165	1173.7

Potential Interfering Stations Included in above Scenario 2

7A CA FRESNO	BLCDT	20021002ABH	LIC
7A CA REDDING	BLCDT	20110930AST	LIC
7A CA SAN FRANCISCO	BLCDT	20090824ADG	LIC
8A NV RENO	BLCDT	20090612ABN	LIC
7A CA MONTEREY	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
08	KSBW	SALINAS CA	BLCDT	-20090901ACY

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KAIL	FRESNO CA	187.3	CP	BPCDT	-20100401ABQ
07	KAIL	FRESNO CA	187.3	LIC	BLCDT	-20021002ABH
07	KGO-TV	SAN FRANCISCO CA	139.3	LIC	BLCDT	-20090824ADG
08	KQSL	FORT BRAGG CA	373.5	LIC	BLCDT	-20090610AAS
08	KOLO-TV	RENO NV	317.6	LIC	BLCDT	-20090612ABN
09	KVIE	SACRAMENTO CA	168.4	LIC	BMLEDT	-20100913ABV
07	NEW30A	MONTEREY CA	36.5	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.
08	KDTS-LD	SAN FRANCISCO CA	BLDVL	-20110107ADR

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KGO-TV	SAN FRANCISCO CA	51.0	LIC	BLCDDT	-20090824ADG
08	KQSL	FORT BRAGG CA	247.5	LIC	BLCDDT	-20090610AAS
08	K08NH	OROVILLE CA	176.7	LIC	BLTVL	-20020618AAT
08	K08EE	POTTER VALLEY CA	177.6	LIC	BLTTV	-4091
08	KSBW	SALINAS CA	131.1	LIC	BLCDDT	-20090901ACY
08	KOLO-TV	RENO NV	235.7	LIC	BLCDDT	-20090612ABN
09	KVIE	SACRAMENTO CA	54.4	LIC	BMLEDT	-20100913ABV
07	NEW30A	MONTEREY CA	145.3	APP	USERRECORD-01	

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 10

Analysis of current record

Channel	Call	City/State	Application Ref. No.
07	NEW30A	MONTEREY CA	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
07	KASC-LP	ATASCADERO CA	162.7	LIC	BLTVL	-19990806JD
07	KAIL	FRESNO CA	222.0	CP	BPCDDT	-20100401ABQ
07	KAIL	FRESNO CA	222.0	LIC	BLCDDT	-20021002ABH
07	KGO-TV	SAN FRANCISCO CA	140.4	LIC	BLCDDT	-20090824ADG
07	KRNV-DT	RENO NV	348.9	LIC	BLCDDT	-20131112BLB
08	KSBW	SALINAS CA	36.5	LIC	BLCDDT	-20090901ACY

Total scenarios = 1

Result key: 5
Scenario 1 Affected station 10
Before Analysis

Results for: 7A CA MONTEREY USERRECORD01 APP

HAAT	46.0 m, ATV ERP	0.1 kW	POPULATION	AREA (sq km)
within Noise Limited Contour			73470	187.9
not affected by terrain losses			73470	187.9
lost to NTSC IX			0	0.0
lost to additional IX by ATV			4561	12.7
lost to ATV IX only			4561	12.7
lost to all IX			4561	12.7

Potential Interfering Stations Included in above Scenario 1

8A CA SALINAS BLCDDT 20090901ACY LIC

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED