

OET-69 Interference Analysis with respect to KJHP-LP (Summary Results)

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

Date: 03-09-2011

Record Selected for Analysis

KDFX-CA BLTTA -20030313ALZ INDIO/PALM SPRINGS CA US
Channel 33 ERP 9.6 kW HAAT 419 m RCAMSL 00488 m
Latitude 033-51-58 Longitude 0116-26- 2
Status LIC Zone Border * Offset -
Dir Antenna Make CDB Model 0000000046143 Beam tilt N Ref Azimuth 200.0
Last update 20020808 Cutoff date 00000000 Docket
Comments
Applicant GULF-CALIFORNIA BROADCAST COMPANY

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station

Service Class = CA

Maximum height/power limits not checked

Site number	1			
Azimuth	ERP	HAAT	74.0 dBu F(50,50)	
(Deg)	(kW)	(m)	(km)	
0.0	0.311	33.0	3.5	
45.0	0.311	33.0	3.5	
90.0	4.182	179.8	15.7	
135.0	9.409	419.0	28.7	
180.0	6.144	346.8	24.3	
225.0	6.455	336.1	24.2	
270.0	9.600	218.3	21.9	
315.0	3.690	204.9	16.3	

Evaluation from Class A Station

Contour overlap to station
KBAK-TV 33 BAKERSFIELD CA BLCDT 20060628ABK

Contour overlap to station
KTBN-TV 33 SANTA ANA CA BPCDT 20090323ABK

Contour overlap to station
KTBN-DR 33 SANTA ANA CA BPRM 20081031ACN

Contour Overlap Evaluation from Class A Complete

Contour Overlap Evaluation from LPTV Station to LPTV Stations

Station inside contour of station
KJHP-LP 18 MORONGO VALLEY CA BSTA 20051219AGT

Station inside contour of station
KJHP-LP 18 MORONGO VALLEY CA BLTTL 20070103ADK

Station inside contour of station
NEW 32 PALM SPRINGS CA BDCCTL 20061016ADL

Contour overlap to station
KRVD-LP 33 BANNING CA BLTTL 20070103ACI

Contour overlap to station
KRVD-LP 33 BANNING CA BDFCTL 20060330AKG

Station inside contour of station

OET-69 Interference Analysis with respect to KJHP-LP (Summary Results)

NEW 34 PALM SPRINGS CA BNPDTL 20090825ANX
 Contour Overlap Evaluation from LPTV to LPTV Stations Complete

Contour Overlap to Proposed Station

Station
 KTBN-TV 33 SANTA ANA CA BPCDT20090323ABK causes

Contour overlap to Class A station
 KDFX-CA 33 INDIO/PALM SPRINGS CA BLTTA 20030313ALZ

Station
 KTBN-DR 33 SANTA ANA CA BPRM20081031ACN causes

Contour overlap to Class A station
 KDFX-CA 33 INDIO/PALM SPRINGS CA BLTTA 20030313ALZ

Station
 K48EM 48 MORONGO VALLEY CA BLTT19950310IE causes

Contour overlap to station
 KDFX-CA 33 INDIO/PALM SPRINGS CA BLTTA 20030313ALZ

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 within the Mexican coordination distance
 Distance to border = 141.1km
- Proposed station is 2.63km from AM station
 THOUSAND PALMS CA KNWZ Status: L Antenna: DA2

 Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN	
33	KDFX-CA	INDIO/PALM SPRINGS CA	BLTTA	20030313ALZ

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
18	KJHP-LP	MORONGO VALLEY CA	0.1	APP	BSTA	-20051219AGT
18	KJHP-LP	MORONGO VALLEY CA	0.1	LIC	BLTTL	-20070103ADK
32	NEW	PALM SPRINGS CA	20.6	APP	BDCCDTL	-20061016ADL
33	KBAK-TV	BAKERSFIELD CA	264.5	LIC	BLCDDT	-20060628ABK
33	KRVD-LP	BANNING CA	39.8	LIC	BLTTL	-20070103ACI
33	KRVD-LP	BANNING CA	47.6	APP	BDFCDTL	-20060330AKG
33	KTBN-TV	SANTA ANA CA	155.2	CP	BPCDT	-20090323ABK
33	KTBN-DR	SANTA ANA CA	155.2	APP	BPRM	-20081031ACN
34	NEW	PALM SPRINGS CA	0.2	APP	BNPDTL	-20090825ANX

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Analysis of Interference to Affected Station 2

Analysis of current record
 Channel Call City/State Application Ref. No.
 18 KJHP-LP MORONGO VALLEY CA BLTTL -20070103ADK

Stations Potentially Affecting This Station

OET-69 Interference Analysis with respect to KJHP-LP (Summary Results)

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
17	KODG-LP	PALM SPRINGS CA	20.5	LIC	BLTTL	-20001219ABP
17	KODG-LP	PALM SPRINGS CA	18.9	CP	BDFCDTL	-20090716ABY
17	K17IW-D	TWENTYNINE PALMS,ETC CA	49.8	CP	BDCCDTT	-20061027AGQ
18	K18CB	BULLHEAD CITY AZ	218.0	LIC	BLTT	-19910726JF
18	NEW	INDIO CA	19.0	APP	BMJADTL	-20100520ADG
18	KSCI	LONG BEACH CA	154.9	CP MOD	BMPCDT	-20080619ACW
18	KUSI-TV	SAN DIEGO CA	138.0	LIC	BLCDT	-20060515ADM
18	K18FH	TWENTYNINE PALMS CA	49.8	LIC	BLTVL	-19990108JC
19	KLPS-LP	INDIO CA	20.5	CP	BDFCDTL	-20090319ACW
19	KLPS-LP	INDIO CA	20.5	LIC	BLTTL	-19980922JE
19	NEW	WHITE WATER CA	28.1	APP	BNPDTL	-20100514ACF
26	KVCR-DT	SAN BERNARDINO CA	79.4	LIC	BLEDT	-20070904AIC
33	KRVD-LP	BANNING CA	40.0	LIC	BLTTL	-20070103ACI
33	KDFX-CA	INDIO/PALM SPRINGS CA	0.1	LIC	BLTTA	-20030313ALZ

Total scenarios = 3

Result key: 4
 Scenario 1 Affected station 2
 Before Analysis

Results for: 18N CA MORONGO VALLEY BLTTL 20070103ADK LIC
 POPULATION AREA (sq km)
 within Noise Limited Contour 161525 590.5
 not affected by terrain losses 154118 549.9
 lost to NTSC IX 15148 51.4
 lost to additional IX by ATV 4169 5.9
 lost to all IX 19317 57.4

Potential Interfering Stations Included in above Scenario 1

17N CA PALM SPRINGS BLTTL 20001219ABP LIC
 19A CA INDIO BDFCDTL 20090319ACW CP

After Analysis

Results for: 18N CA MORONGO VALLEY BLTTL 20070103ADK LIC
 POPULATION AREA (sq km)
 within Noise Limited Contour 161525 590.5
 not affected by terrain losses 154118 549.9
 lost to NTSC IX 67943 180.0
 lost to additional IX by ATV 0 0.0
 lost to all IX 67943 180.0

Potential Interfering Stations Included in above Scenario 1

17N CA PALM SPRINGS BLTTL 20001219ABP LIC
 19A CA INDIO BDFCDTL 20090319ACW CP
 33N CA INDIO/PALM SPRINGS BLTTA 20030313ALZ LIC

The following station failed the de minimis interference criteria.

33N CA INDIO/PALM SPRINGS BLTTA 20030313ALZ
 ERP 27.80 kW HAAT 419.0 m RCAMSL 488.0 m
 Antenna CDB 0000000046143

Due to interference to the following station and scenario: 1

18N CA MORONGO VALLEY BLTTL 20070103ADK
 ERP 7.50 kW HAAT 392.0 m RCAMSL 462.0 m
 Antenna CDB 0000000068179

Percent new interference from proposal: 42.0635 to BLTTL 20070103ADK

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