

# KIEM-DT, Eureka, CA, OET-69 Post-Transition Interference Analysis

TW Census data selected 2000

Post Transition Data Base Selected /export/home/cdbb/pt\_tvdb.sff

## TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Record Selected for Analysis

KIEMDT USERRECORD-01 EUREKA CA US  
Channel 03 ERP 12.5 kW HAAT 485. m RCAMSL 00922 m  
Latitude 040-43-50 Longitude 0123-57-07  
Status APP Zone 2 Border  
Dir Antenna Make CDB Model 00000000018543 Beam tilt N Ref Azimuth 0.  
Last update Cutoff date Docket  
Comments  
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility meets maximum height/power limits

Azimuth (Deg)	ERP (kW)	HAAT (m)	28.0 dBu F(50,90) (km)
0.0	12.500	659.9	133.7
45.0	6.984	496.3	115.7
90.0	2.122	258.7	89.3
135.0	6.845	213.2	95.6
180.0	12.500	392.4	113.6
225.0	7.078	523.1	117.9
270.0	2.205	741.0	118.5
315.0	7.078	597.1	123.4

## Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

## Class A Evaluation 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 beyond the Mexican coordination distance

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Proposed station is OK toward AM broadcast stations

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## Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
03	KIEMDT	EUREKA CA	USERRECORD01

## Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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## Analysis of Interference to Affected Station 1

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
03	KIEMDT	EUREKA CA	USERRECORD-01

## Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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Total scenarios = 1

Result key: 1  
Scenario 1 Affected station 1  
Before Analysis

Results for: 3A CA EUREKA USERRECORD01 APP

HAAT 485.0 m, ATV ERP 12.5 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	164039	41048.6
not affected by terrain losses	151742	39068.6
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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