

TECHNICAL EXHIBIT
DIGITAL FLASH CUT APPLICATION
STATION K35ER (FACILITY ID 31352)
SANTA MARIA, CALIFORNIA
CH 35 0.69 KW (MAX-DA)

Technical Narrative

This Technical Exhibit supports an amendment to the application to “flash-cut” to digital operation for Class A television station K35ER. Station K35ER is licensed to operate on analog channel 35 with a directional antenna maximum (visual) effective radiated power (ERP) of 20.8 kW and an antenna height above mean sea level (RCAMSL) of 500 meters (BLTTL-19980902JD). The pending application proposes to flash cut to digital using its licensed directional antenna (re-oriented) at a new transmitter site (BDFCDTA-20081230AAM).

This amendment is intended to address the FCC’s 30-day letter concerning excessive interference caused to station KTAS-DT. Specifically, a reduction is needed (and is proposed, herein) in the proposed K35ER ERP to comply with the “pre-transition” OET-69 interference provisions with respect to station KTAS-DT. K35ER remains compliant with the “post-transition” OET-69 provisions up to 1.75 kW ERP.

Proposed Facilities

This application proposes to flash-cut to digital mode on channel 35 from an existing transmitter site atop Tepusquet Peak (same transmitter site as in the pending STA and analog applications for K35ER.¹ The proposed site coordinates are (NAD27): 34-54-37 N, 120-11-09 W. A Bogner (BOG), model B8UB directional antenna, oriented at 270° True, with a maximum ERP of 0.69 kW and antenna RCAMSL of 1020 meters is proposed. The tower registration number is 1032645.

¹ See BSTA-20071221AAD & BPTTA-20090105AGI

Figure 1 is a map showing the licensed and proposed coverage contours. As is apparent on the map, the proposed 51 dBu digital contour will have some common contour overlap with the licensed 74 dBu contour.

Allocation Considerations – pre-transition

The proposed K35ER operation meets the FCC's pre-transition interference standards to pertinent LPTV, Class A and DTV facilities using the procedures outlined in the FCC's OET-69 Bulletin and a standard 1 kilometer cell size and 1 kilometer terrain distance increment.

The results of the interference analyses are summarized in Figure 2. For the studies, only the worst-case interference scenario was shown for each station. Detailed studies for any stations that were not predicted to receive any interference (i.e., no scenarios were generated) were not included.

Allocation Considerations – post-transition

The proposed K35ER operation meets the FCC's post-transition interference standards to pertinent LPTV, Class A and DTV facilities using the procedures outlined in the FCC's OET-69 Bulletin and a standard 1 kilometer cell size and 1 kilometer terrain distance increment.

The results of the interference analyses are summarized in Figure 3. For the studies, only the worst-case interference scenario was shown for each station. Detailed studies for any stations that were not predicted to receive any interference (i.e., no scenarios were generated) were not included.

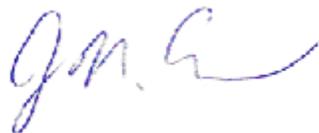
The applicant understands that it must correct and/or eliminate prohibited interference that may result from its proposed operation. If necessary, a waiver of the FCC rules is respectfully requested based on use of the FCC's OET-69 Bulletin.

Radiofrequency Electromagnetic Field Exposure

The proposed K35ER facilities were evaluated in terms of potential radio frequency (RF) energy exposure at ground level to workers and the general public. The radiation center for the antenna is located 30 meters above ground level. The maximum proposed ERP is 0.69 kW. A conservative relative field value of 0.5 was assumed for the directional antenna's downward radiation (see Figure 4). The calculated power density at a point 2 meters (6.6 feet) above ground level is 0.0074 mW/cm². This is less than 5% of the FCC's recommended limit of 0.4 mW/cm² for channel 35 for an "uncontrolled" environment.

Access to the transmitting site will be restricted and appropriately marked with warning signs. As this is a multi-user site, an agreement will control site access. In the event that workers or other authorized personnel enter restricted areas or climb the tower, appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time, wearing "accepted" RFR protective clothing and/or RFR exposure monitors or scheduling work when the stations are at reduced power or shut down.

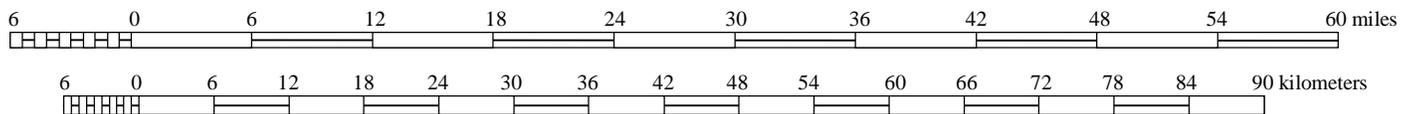
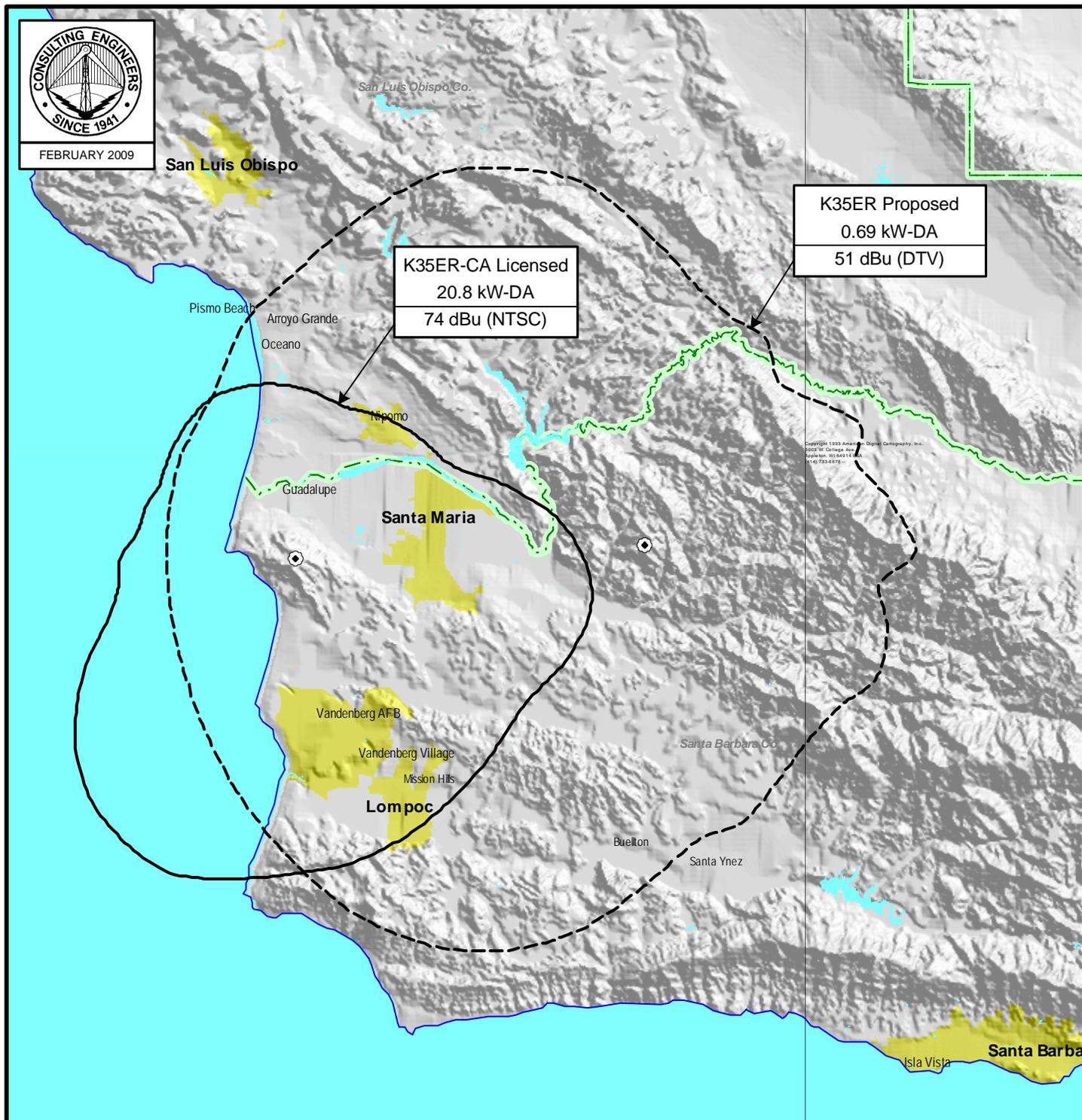
It is noted that this statement only addresses the potential for radiofrequency electromagnetic field exposure. All other aspects of the environmental processing analysis will be or already have been provided to the FCC by the tower owner as part of the tower registration process.



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PREDICTED COVERAGE CONTOURS

STATION K35ER

SANTA MARIA, CALIFORNIA

du Treil, Lundin & Rackley, Inc Sarasota, Florida

Figure 2
Sheet 1 of 6

Census data selected: 1990

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 02-06-2009 Time: 14:01:35
Record Selected for Analysis

K35ER USERRECORD-01 SANTA MARIA CA US
Channel 35 ERP 0.69 kW HAAT 584. m RCAMSL 01020 m STRINGENT MASK
Latitude 034-54-37 Longitude 0120-11-09
Status APP Zone 2 Border
Dir Antenna Make CDB Model 0000000018180 Beam tilt N Ref Azimuth 270.
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) | 51.0 dBu F(50,90) (km) |
|---------------|----------|----------|------------------------|
| 0.0 | 0.075 | 546.3 | 33.3 |
| 45.0 | 0.030 | 323.0 | 22.7 |
| 90.0 | 0.043 | 504.9 | 29.1 |
| 135.0 | 0.030 | 534.0 | 27.7 |
| 180.0 | 0.075 | 721.5 | 36.2 |
| 225.0 | 0.690 | 749.5 | 50.4 |
| 270.0 | 0.690 | 769.8 | 50.7 |
| 315.0 | 0.690 | 522.3 | 46.5 |

Contour Overlap to Proposed Station

Station
KTAS 34 SAN LUIS OBISPO CA BLCDT20070222AAX causes

Contour overlap to Digital LPTV station
K35ER 35 SANTA MARIA CA USERRECORD01

Station
KMEX-TV 35 LOS ANGELES CA BLCDT20021118ACF causes

Contour overlap to Digital LPTV station
K35ER 35 SANTA MARIA CA USERRECORD01

Station
KCBA 35 SALINAS CA BLCT19811022KE causes

Contour overlap to Digital LPTV station
K35ER 35 SANTA MARIA CA USERRECORD01

Station
K35ER 35 SANTA MARIA CA BPTTA20090105AGI

Station inside contour of Digital LPTV station
K35ER 35 SANTA MARIA CA USERRECORD01

Station
K35ER 35 SANTA MARIA CA BSTA20071221AAD

Station inside contour of Digital LPTV station
K35ER 35 SANTA MARIA CA USERRECORD01

Station
K35ER 35 SANTA MARIA CA BLTTL19980902JD

Figure 2
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Station inside contour of Digital LPTV station
K35ER 35 SANTA MARIA CA USERRECORD01

Station
KMCF-LP 35 VISALIA CA BLTTL20030303ACQ causes

Contour overlap to Digital LPTV station
K35ER 35 SANTA MARIA CA USERRECORD01

Station
K35ER 35 SANTA MARIA CA CT BDFCDTA20081230AAM

Station inside contour of Digital LPTV station
K35ER 35 SANTA MARIA CA 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 beyond the Mexican coordination distance
Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

| Channel | Call | Proposed Station City/State | ARN |
|---------|-------|-----------------------------|--------------|
| 35 | K35ER | SANTA MARIA CA | USERRECORD01 |

Stations Potentially Affected by Proposed Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|------------------------|----------|--------|-------------|--------------|
| 20 | KSSY-LP | FORD CITY CA | 71.3 | LIC | BLTTL | -20081222ABD |
| 21 | DK50CL | BELRIDGE CA | 118.2 | APP | BMJPTTL | -20000829ASI |
| 28 | K28FK | SAN LUIS OBISPO CA | 65.8 | LIC | BLTTL | -19980902JB |
| 28 | K28GY | SANTA BARBARA, ETC. CA | 47.6 | LIC | BLTT | -20040412AAU |
| 32 | KSBT-LP | SANTA BARBARA CA | 67.8 | LIC | BLTTL | -19990922AAQ |
| 33 | KTAS | SAN LUIS OBISPO CA | 65.8 | LIC | BLCT | -19900416KF |
| 34 | KVPT-LP | BAKERSFIELD CA | 143.8 | LIC | BLTT | -20070223ABA |
| 34 | NEW | BAKERSFIELD CA | 133.5 | APP | BNPTTL | -20000831AWI |
| 34 | KTAS | SAN LUIS OBISPO CA | 65.8 | LIC | BLCDT | -20070222AAX |
| 34 | KADE-DT | SAN LUIS OBISPO CA | 65.8 | PLN | DTVPLN | -DTV0926 |
| 35 | K35IW-D | BAKERSFIELD CA | 156.8 | CP | BCCDTL | -20061030AQU |
| 35 | K35IW-D | BAKERSFIELD CA | 156.8 | APP | BMPDTL | -20070914ABF |
| 35 | KRMV-LP | BANNING CA | 323.9 | APP | BDISDTL | -20060901AAT |
| 35 | KRVD-LP | BANNING CA | 323.9 | APP | BDISDTL | -20080312ADG |
| 35 | K35BQ | DAGGETT, ETC. CA | 299.9 | LIC | BLTT | -19880307IA |
| 35 | K35DG | LA JOLLA CA | 355.5 | LIC | BLTTA | -20060621AAL |
| 35 | KMEX-TV | LOS ANGELES CA | 208.3 | LIC | BLCDT | -20021118ACF |
| 35 | KMEX-DT | LOS ANGELES CA | 208.4 | PLN | DTVPLN | -DTV0964 |
| 35 | NEW | PALM SPRINGS CA | 383.8 | APP | BCCDTL | -20070420ABK |
| 35 | NEW | PALM SPRINGS CA | 363.2 | APP | BSFDTL | -20060630ATQ |
| 35 | K35HO-D | RIDGECREST CA | 236.1 | LIC | BLDTT | -20080401AUL |
| 35 | K35HO-D | RIDGECREST, ETC. CA | 236.0 | CP | BPTT | -20041201BZX |
| 35 | KCRA-TV | SACRAMENTO CA | 389.0 | LIC | BLCDT | -20040122ADR |
| 35 | KCRA-DT | SACRAMENTO CA | 390.5 | PLN | DTVPLN | -DTV0965 |
| 35 | KCBA | SALINAS CA | 236.9 | LIC | BLCT | -19811022KE |
| 35 | KMCF-LP | VISALIA CA | 195.6 | LIC | BLTTL | -20030303ACQ |
| 36 | KBFK-LP | BAKERSFIELD CA | 143.8 | LIC | BLTTL | -20040219ACE |
| 36 | KBFK-LP | BAKERSFIELD CA | 143.8 | CP | BDFCDTL | -20081215ABE |
| 36 | KJCN-LP | PASO ROBLES CA | 137.3 | CP | BPTTL | -20070918ACL |
| 36 | KJCN-LP | PASO ROBLES CA | 65.8 | LIC | BLTTL | -19870602IA |
| 38 | KPMR | SANTA BARBARA CA | 47.6 | LIC | BMLCT | -20051228ACB |
| 42 | KSBO-CA | SAN LUIS OBISPO CA | 65.8 | LIC | BLTTL | -19980902JA |
| 43 | KTSB-LP | SANTA BARBARA CA | 67.9 | LIC | BLTTL | -19970620JD |

Figure 2
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Analysis of Interference to Affected Station 9

DTV Baseline Analysis

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|--------------------|-------------|-----------|
| 34 | KADE-DT | SAN LUIS OBISPO CA | DTVPLN | -DTVP0926 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|--------------------|----------|--------|-------------|-----------|
| 33 | KBAK-DT | BAKERSFIELD CA | 187.4 | PLN | DTVPLN | -DTVP0892 |
| 33 | KADE | SAN LUIS OBISPO CA | 0.0 | PLN | DTVPLN | -NPLN1443 |
| 34 | KMEXTV | LOS ANGELES CA | 267.9 | PLN | DTVPLN | -NPLN1469 |
| 34 | KPST-DT | VALLEJO CA | 310.7 | PLN | DTVPLN | -DTVP0927 |
| 35 | KCBA | SALINAS CA | 172.7 | PLN | DTVPLN | -NPLN1490 |

Results for: 34A CA SAN LUIS OBISPO DTVPLN DTVP0926 PLN
HAAT 440.0 m, ATV ERP 50.0 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 269470 | 7010.6 |
| not affected by terrain losses | 266897 | 6591.4 |
| lost to NTSC IX | 13 | 25.9 |
| lost to additional IX by ATV | 0 | 0.0 |
| lost to ATV IX only | 0 | 0.0 |
| lost to all IX | 13 | 25.9 |

NTSC Baseline Analysis

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|--------------------|-------------|-----------|
| 33 | KADE | SAN LUIS OBISPO CA | DTVPLN | -NPLN1443 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|--------------------|----------|--------|-------------|-----------|
| 32 | KION-DT | MONTEREY CA | 156.7 | PLN | DTVPLN | -DTVP0855 |
| 33 | KBAK-DT | BAKERSFIELD CA | 187.4 | PLN | DTVPLN | -DTVP0892 |
| 33 | KMTP-DT | SAN FRANCISCO CA | 310.7 | PLN | DTVPLN | -DTVP0893 |
| 34 | KADE-DT | SAN LUIS OBISPO CA | 0.0 | PLN | DTVPLN | -DTVP0926 |

Results for: 33N CA SAN LUIS OBISPO DTVPLN NPLN1443 PLN

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 269470 | 7010.6 |
| not affected by terrain losses | 249372 | 5623.4 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 0 | 3.0 |
| lost to all IX | 0 | 3.0 |

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|--------------------|-------------|--------------|
| 34 | KTAS | SAN LUIS OBISPO CA | BLCDT | -20070222AAX |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|--------------------|----------|--------|---------------|--------------|
| 33 | KBAK-TV | BAKERSFIELD CA | 187.4 | LIC | BLCDT | -20060628ABK |
| 33 | KBAK-DT | BAKERSFIELD CA | 187.4 | PLN | DTVPLN | -DTVP0892 |
| 33 | KTAS | SAN LUIS OBISPO CA | 0.0 | LIC | BLCT | -19900416KF |
| 34 | KGPE | FRESNO CA | 219.8 | LIC | BLCDT | -20030702ABJ |
| 34 | KJEO-TV | FRESNO CA | 219.8 | LIC | BPRM | -20000803AAD |
| 34 | KMEX-TV | LOS ANGELES CA | 267.8 | LIC | BLCT | -20030313AHD |
| 34 | KFSF-TV | VALLEJO CA | 310.7 | LIC | BLCDT | -20030620ABV |
| 34 | KPST-DT | VALLEJO CA | 310.7 | PLN | DTVPLN | -DTVP0927 |
| 35 | KCBA | SALINAS CA | 172.7 | LIC | BLCT | -19811022KE |
| 35 | K35ER | SANTA MARIA CA | 65.8 | APP | USERRECORD-01 | |

Total scenarios = 4

Figure 2
Sheet 4 of 6

Result key: 1
Scenario 1 Affected station 9 KTAS
Before Analysis

Results for: 34A CA SAN LUIS OBISPO BLCDT 20070222AAX LIC
HAAT 453.0 m, ATV ERP 80.4 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 377607 | 21099.1 |
| not affected by terrain losses | 365772 | 18757.2 |
| lost to NTSC IX | 2012 | 111.6 |
| lost to additional IX by ATV | 15 | 303.8 |
| lost to ATV IX only | 15 | 345.7 |
| lost to all IX | 2027 | 415.4 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|--------------------|-------|-------------|-----|
| 34N CA LOS ANGELES | BLCT | 20030313AHD | LIC |
| 34A CA FRESNO | BLCDT | 20030702ABJ | LIC |

After Analysis

Results for: 34A CA SAN LUIS OBISPO BLCDT 20070222AAX LIC
HAAT 453.0 m, ATV ERP 80.4 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 377607 | 21099.1 |
| not affected by terrain losses | 365772 | 18757.2 |
| lost to NTSC IX | 2012 | 111.6 |
| lost to additional IX by ATV | 805 | 451.2 |
| lost to ATV IX only | 805 | 505.0 |
| lost to all IX | 2817 | 562.8 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|--------------------|--------------|-------------|-----|
| 34N CA LOS ANGELES | BLCT | 20030313AHD | LIC |
| 34A CA FRESNO | BLCDT | 20030702ABJ | LIC |
| 35A CA SANTA MARIA | USERRECORD01 | | APP |

Percent new IX = 0.2960%
Worst case new IX 0.2960% Scenario 1

Analysis of Interference to Affected Station 10

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|---------|--------------------|-------------|-----------|
| 34 | KADE-DT | SAN LUIS OBISPO CA | DTVPLN | -DTVP0926 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|--------------------|----------|--------|---------------|--------------|
| 33 | KBAK-TV | BAKERSFIELD CA | 187.4 | LIC | BLCDT | -20060628ABK |
| 33 | KBAK-DT | BAKERSFIELD CA | 187.4 | PLN | DTVPLN | -DTVP0892 |
| 33 | KTAS | SAN LUIS OBISPO CA | 0.0 | LIC | BLCT | -19900416KF |
| 34 | KGPE | FRESNO CA | 219.8 | LIC | BLCDT | -20030702ABJ |
| 34 | KJEO-TV | FRESNO CA | 219.8 | LIC | BPRM | -20000803AAD |
| 34 | KMEX-TV | LOS ANGELES CA | 267.8 | LIC | BLCT | -20030313AHD |
| 34 | KFSF-TV | VALLEJO CA | 310.7 | LIC | BLCDT | -20030620ABV |
| 34 | KPST-DT | VALLEJO CA | 310.7 | PLN | DTVPLN | -DTVP0927 |
| 35 | KCBA | SALINAS CA | 172.7 | LIC | BLCT | -19811022KE |
| 35 | K35ER | SANTA MARIA CA | 65.8 | APP | USERRECORD-01 | |

Total scenarios = 4

Result key: 5
Scenario 1 Affected station 10 KADE-DT
Before Analysis

Figure 2
Sheet 5 of 6

Results for: 34A CA SAN LUIS OBISPO DTVPLN DTVP0926 PLN
 HAAT 440.0 m, ATV ERP 50.0 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 269470 | 7010.6 |
| not affected by terrain losses | 266897 | 6591.4 |
| lost to NTSC IX | 13 | 25.9 |
| lost to additional IX by ATV | 64 | 31.9 |
| lost to ATV IX only | 64 | 42.8 |
| lost to all IX | 77 | 57.8 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|--------------------|-------|-------------|-----|
| 34N CA LOS ANGELES | BLCT | 20030313AHD | LIC |
| 34A CA FRESNO | BLCDT | 20030702ABJ | LIC |

After Analysis

Results for: 34A CA SAN LUIS OBISPO DTVPLN DTVP0926 PLN
 HAAT 440.0 m, ATV ERP 50.0 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 269470 | 7010.6 |
| not affected by terrain losses | 266897 | 6591.4 |
| lost to NTSC IX | 13 | 25.9 |
| lost to additional IX by ATV | 1195 | 84.6 |
| lost to ATV IX only | 1195 | 101.6 |
| lost to all IX | 1208 | 110.5 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|--------------------|--------------|-------------|-----|
| 34N CA LOS ANGELES | BLCT | 20030313AHD | LIC |
| 34A CA FRESNO | BLCDT | 20030702ABJ | LIC |
| 35A CA SANTA MARIA | USERRECORD01 | | APP |

Percent new IX = 0.4238%
 Worst case new IX 0.4238% Scenario 1

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Analysis of Interference to Affected Station 34

Analysis of current record

| Channel | Call | City/State | Application Ref. No. |
|---------|-------|----------------|----------------------|
| 35 | K35ER | SANTA MARIA CA | USERRECORD-01 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|--------------------|----------|--------|----------------------|
| 34 | KTAS | SAN LUIS OBISPO CA | 65.8 | LIC | BLCDT -20070222AAX |
| 34 | KADE-DT | SAN LUIS OBISPO CA | 65.8 | PLN | DTVPLN -DTVP0926 |
| 35 | K35IW-D | BAKERSFIELD CA | 156.8 | CP | BDCCDTL -20061030AQU |
| 35 | K35IW-D | BAKERSFIELD CA | 156.8 | APP | BMPDTL -20070914ABF |
| 35 | KRMV-LP | BANNING CA | 323.9 | APP | BDISDTL -20060901AAT |
| 35 | KRVD-LP | BANNING CA | 323.9 | APP | BDISDTL -20080312ADG |
| 35 | KMEX-TV | LOS ANGELES CA | 208.3 | LIC | BLCDT -20021118ACF |
| 35 | KMEX-DT | LOS ANGELES CA | 208.4 | PLN | DTVPLN -DTVP0964 |
| 35 | NEW | PALM SPRINGS CA | 383.8 | APP | BDCCDTL -20070420ABK |
| 35 | NEW | PALM SPRINGS CA | 363.2 | APP | BSFDTL -20060630ATQ |
| 35 | K35HO-D | RIDGECREST CA | 236.1 | LIC | BLDTT -20080401AUL |
| 35 | KCRA-DT | SACRAMENTO CA | 390.5 | PLN | DTVPLN -DTVP0965 |
| 35 | KCBA | SALINAS CA | 236.9 | LIC | BLCT -19811022KE |
| 35 | KMCF-LP | VISALIA CA | 195.6 | LIC | BLTTL -20030303ACQ |
| 36 | KBFK-LP | BAKERSFIELD CA | 143.8 | CP | BDFCDTL -20081215ABE |

Total scenarios = 2

Result key: 9
 Scenario 1 Affected station 34 K35ER
 Before Analysis

Figure 2
Sheet 6 of 6

Results for: 35A CA SANTA MARIA USERRECORD01 APP
 HAAT 584.0 m, ATV ERP 0.7 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 218101 | 4748.0 |
| not affected by terrain losses | 203364 | 4110.9 |
| lost to NTSC IX | 2567 | 89.8 |
| lost to additional IX by ATV | 2613 | 26.3 |
| lost to ATV IX only | 3739 | 44.9 |
| lost to all IX | 5180 | 116.1 |

Potential Interfering Stations Included in above Scenario 1

| | | | |
|------------------------|-------|-------------|-----|
| 35N CA SALINAS | BLCT | 19811022KE | LIC |
| 35N CA VISALIA | BLTTL | 20030303ACQ | LIC |
| 34A CA SAN LUIS OBISPO | BLCDT | 20070222AAX | LIC |
| 35A CA LOS ANGELES | BLCDT | 20021118ACF | LIC |

Result key: 10
 Scenario 2 Affected station 34 K35ER
 Before Analysis

Results for: 35A CA SANTA MARIA USERRECORD01 APP
 HAAT 584.0 m, ATV ERP 0.7 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 218101 | 4748.0 |
| not affected by terrain losses | 203364 | 4110.9 |
| lost to NTSC IX | 2567 | 89.8 |
| lost to additional IX by ATV | 1059 | 21.5 |
| lost to ATV IX only | 2185 | 40.0 |
| lost to all IX | 3626 | 111.2 |

Potential Interfering Stations Included in above Scenario 2

| | | | |
|------------------------|--------|-------------|-----|
| 35N CA SALINAS | BLCT | 19811022KE | LIC |
| 35N CA VISALIA | BLTTL | 20030303ACQ | LIC |
| 34A CA SAN LUIS OBISPO | DTVPLN | DTVP0926 | PLN |
| 35A CA LOS ANGELES | BLCDT | 20021118ACF | LIC |

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FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED

**Figure 3
Sheet 1 of 6**

Census data selected: 2000
Post DTV Transition Database Selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 12-15-2008 Time: 10:58:58
Record Selected for Analysis

K35ER USERRECORD-01 SANTA MARIA CA US
Channel 35 ERP 1.75 kW HAAT 584. m RCAMSL 01020 m STRINGENT MASK
Latitude 034-54-37 Longitude 0120-11-09
Status APP Zone 2 Border
Dir Antenna Make CDB Model 00000000018180 Beam tilt N Ref Azimuth 270.
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) | 51.0 dBu F(50,90) (km) |
|------------------|-------------|-------------|---------------------------|
| 0.0 | 0.191 | 546.3 | 39.0 |
| 45.0 | 0.075 | 323.0 | 27.4 |
| 90.0 | 0.109 | 504.9 | 34.5 |
| 135.0 | 0.075 | 534.0 | 33.0 |
| 180.0 | 0.191 | 721.5 | 41.8 |
| 225.0 | 1.750 | 749.5 | 56.4 |
| 270.0 | 1.750 | 769.8 | 56.8 |
| 315.0 | 1.750 | 522.3 | 52.1 |

Contour Overlap to Proposed Station

Station
KTAS 34 SAN LUIS OBISPO CA BLCDDT20070222AAX causes

Contour overlap to Digital LPTV station
K35ER 35 SANTA MARIA CA USERRECORD01

Station
KRCA 35 RIVERSIDE CA BPCDDT20080620AIN causes

Contour overlap to Digital LPTV station
K35ER 35 SANTA MARIA CA USERRECORD01

Station
KRCA-DR 35 RIVERSIDE CA BPRM20080204ADC causes

Contour overlap to Digital LPTV station
K35ER 35 SANTA MARIA CA USERRECORD01

Station
K35ER 35 SANTA MARIA CA BSTA20071221AAD

Station inside contour of Digital LPTV station
K35ER 35 SANTA MARIA CA USERRECORD01

Station
K35ER 35 SANTA MARIA CA BLTTL19980902JD

Station inside contour of Digital LPTV station
K35ER 35 SANTA MARIA CA USERRECORD01

**Figure 3
Sheet 2 of 6**

Station
K35ER 35 VISALIA CA BLTTL20030303ACQ causes

Contour overlap to Digital LPTV station
K35ER 35 SANTA MARIA CA 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 beyond the Mexican coordination distance
Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

| Channel | Call | Proposed Station City/State | ARN |
|---------|-------|--------------------------------|--------------|
| 35 | K35ER | SANTA MARIA CA | USERRECORD01 |

Stations Potentially Affected by Proposed Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|---------------------|----------|--------|----------------------|
| 20 | KSSY-LP | ARROYO GRANDE CA | 0.0 | LIC | BLTTL -20080208AAB |
| 34 | NEW | BAKERSFIELD CA | 133.5 | APP | BNPTTL -20000831AWI |
| 34 | KVPT-LP | BAKERSFIELD CA | 143.8 | LIC | BLTT -20070223ABA |
| 34 | KTAS | SAN LUIS OBISPO CA | 65.8 | LIC | BLCDDT -20070222AAX |
| 34 | KTAS | SAN LUIS OBISPO CA | 65.8 | PLN | DTVPLN -DTVVP1241 |
| 35 | K35IW-D | BAKERSFIELD CA | 156.8 | APP | BMPDTL -20070914ABF |
| 35 | K35IW-D | BAKERSFIELD CA | 156.8 | CP | BDCCDDL -20061030AQU |
| 35 | KRVD-LP | BANNING CA | 323.9 | APP | BDISDTL -20080312ADG |
| 35 | KRMV-LP | BANNING CA | 323.9 | APP | BDISDTL -20060901AAT |
| 35 | K35BQ | DAGGETT, ETC. CA | 299.9 | LIC | BLTT -19880307IA |
| 35 | K35DG | LA JOLLA CA | 355.5 | APP | BDFCDTA -20060802ASH |
| 35 | K35DG | LA JOLLA CA | 355.5 | APP | BSTA -20060531AHV |
| 35 | K35DG | LA JOLLA CA | 355.5 | LIC | BLTTA -20060621AAL |
| 35 | NEW | PALM SPRINGS CA | 383.8 | APP | BDCCDDL -20070420ABK |
| 35 | NEW | PALM SPRINGS CA | 363.2 | APP | BSFDTL -20060630ATQ |
| 35 | K35HO-D | RIDGECREST CA | 236.1 | LIC | BLDTT -20080401AUL |
| 35 | K35HO-D | RIDGECREST, ETC. CA | 236.0 | CP | BPTT -20041201BZX |
| 35 | KRCA | RIVERSIDE CA | 209.3 | APP | BPCDDT -20080620AIN |
| 35 | KRCA-DR | RIVERSIDE CA | 209.3 | APP | BPRM -20080204ADC |
| 35 | KCRA-TV | SACRAMENTO CA | 390.6 | CP | BPCDDT -20080208AEM |
| 35 | KCRA-TV | SACRAMENTO CA | 390.6 | PLN | DTVPLN -DTVVP1280 |
| 35 | KCRA-TV | SACRAMENTO CA | 389.0 | LIC | BLCDDT -20040122ADR |
| 35 | KMCF-LP | VISALIA CA | 195.6 | LIC | BLTTL -20030303ACQ |
| 36 | KBFK-LP | BAKERSFIELD CA | 143.8 | LIC | BLTTL -20040219ACE |
| 36 | KJCN-LP | PASO ROBLES CA | 137.3 | CP | BPTTL -20070918ACL |
| 36 | KJCN-LP | PASO ROBLES CA | 65.8 | LIC | BLTTL -19870602IA |
| 38 | KNXT-LP | BAKERSFIELD CA | 143.8 | LIC | BLTTL -20070524ADC |
| 38 | KPAL-LP | PALMDALE CA | 184.5 | LIC | BLTTL -19900723II |
| 38 | KPAL-LP | PALMDALE CA | 184.4 | STA | BSTA -20060104ACS |
| 38 | KPAL-LP | PALMDALE CA | 184.4 | STA | BSTA -20050922AFW |
| 38 | KSKJ-CA | VAN NUYS CA | 171.6 | LIC | BLTTA -20040625AAS |
| 39 | KABE-LP | BAKERSFIELD CA | 156.8 | STA | BSTA -20041105BDJ |
| 39 | KABE-LP | BAKERSFIELD CA | 156.8 | LIC | BLTTL -20071231AFG |
| 42 | KZKC-LP | BAKERSFIELD CA | 143.8 | LIC | BLTTL -20050428AAC |
| 42 | KSCZ-LP | COALINGA CA | 156.3 | LIC | BLTT -19950912IC |
| 42 | KSBO-CA | SAN LUIS OBISPO CA | 65.8 | LIC | BLTTL -19980902JA |
| 43 | KPMC-LP | BAKERSFIELD CA | 143.8 | LIC | BLTTL -20080418AAF |
| 43 | KTSB-LP | SANTA BARBARA CA | 67.9 | LIC | BLTTL -19970620JD |

Analysis of Interference to Affected Station 4

Figure 3
Sheet 3 of 6

DTV Baseline Analysis

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|--------------------|-------------|-----------|
| 34 | KTAS | SAN LUIS OBISPO CA | DTVPLN | -DTVPL241 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|----------------|----------|--------|-------------|-----------|
| 33 | KBAK-TV | BAKERSFIELD CA | 187.4 | PLN | DTVPLN | -DTVPL208 |
| 34 | KGPE | FRESNO CA | 219.8 | PLN | DTVPLN | -DTVPL239 |
| 34 | KMEX-TV | LOS ANGELES CA | 267.8 | PLN | DTVPLN | -DTVPL240 |
| 34 | KFSF-TV | VALLEJO CA | 310.7 | PLN | DTVPLN | -DTVPL242 |

Results for: 34A CA SAN LUIS OBISPO DTVPLN DTVPL241 PLN

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| HAAT 441.0 m, ATV ERP 82.0 kW | | |
| within Noise Limited Contour | 425142 | 21033.5 |
| not affected by terrain losses | 412797 | 18684.6 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 1140 | 363.6 |
| lost to ATV IX only | 1140 | 363.6 |
| lost to all IX | 1140 | 363.6 |

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|--------------------|-------------|--------------|
| 34 | KTAS | SAN LUIS OBISPO CA | BLCDDT | -20070222AAX |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|----------------|----------|--------|---------------|--------------|
| 33 | KBAK-TV | BAKERSFIELD CA | 187.4 | LIC | BLCDDT | -20060628ABK |
| 33 | KBAK-TV | BAKERSFIELD CA | 187.4 | PLN | DTVPLN | -DTVPL208 |
| 34 | KGPE | FRESNO CA | 219.8 | LIC | BLCDDT | -20030702ABJ |
| 34 | KGPE | FRESNO CA | 219.8 | PLN | DTVPLN | -DTVPL239 |
| 34 | KMEX-TV | LOS ANGELES CA | 267.8 | PLN | DTVPLN | -DTVPL240 |
| 34 | KMEX-TV | LOS ANGELES CA | 267.8 | APP | BMPCDT | -20080620AGO |
| 34 | KMEX-TV | LOS ANGELES CA | 267.8 | CP | BPCDDT | -20080228ABI |
| 34 | KFSF-TV | VALLEJO CA | 310.7 | LIC | BLCDDT | -20030620ABV |
| 34 | KFSF-TV | VALLEJO CA | 310.7 | PLN | DTVPLN | -DTVPL242 |
| 34 | KFSF-TV | VALLEJO CA | 310.7 | APP | BPCDDT | -20081031AAE |
| 35 | K35ER | SANTA MARIA CA | 65.8 | APP | USERRECORD-01 | |

Total scenarios = 10

Result key: 5
Scenario 5 Affected station 4 KTAS
Before Analysis

Results for: 34A CA SAN LUIS OBISPO BLCDDT 20070222AAX LIC

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| HAAT 453.0 m, ATV ERP 80.4 kW | | |
| within Noise Limited Contour | 425149 | 21102.1 |
| not affected by terrain losses | 412196 | 18743.2 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 163 | 372.6 |
| lost to ATV IX only | 163 | 372.6 |
| lost to all IX | 163 | 372.6 |

Potential Interfering Stations Included in above Scenario 5

| | | | |
|--------------------|--------|-------------|-----|
| 34A CA FRESNO | BLCDDT | 20030702ABJ | LIC |
| 34A CA LOS ANGELES | DTVPLN | DTVPL240 | PLN |
| 34A CA VALLEJO | BPCDDT | 20081031AAE | APP |

After Analysis

Results for: 34A CA SAN LUIS OBISPO BLCDDT 20070222AAX LIC

| | POPULATION | AREA (sq km) |
|-------------------------------|------------|--------------|
| HAAT 453.0 m, ATV ERP 80.4 kW | | |
| within Noise Limited Contour | 425142 | 21033.5 |

Figure 3
Sheet 4 of 6

| | | |
|--------------------------------|--------|---------|
| within Noise Limited Contour | 425149 | 21102.1 |
| not affected by terrain losses | 412196 | 18743.2 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 2136 | 642.5 |
| lost to ATV IX only | 2136 | 642.5 |
| lost to all IX | 2136 | 642.5 |

Potential Interfering Stations Included in above Scenario 5

| | | | |
|--------------------|--------------|-------------|-----|
| 34A CA FRESNO | BLCDDT | 20030702ABJ | LIC |
| 34A CA LOS ANGELES | DTVPLN | DTVPL240 | PLN |
| 34A CA VALLEJO | BPCDDT | 20081031AAE | APP |
| 35A CA SANTA MARIA | USERRECORD01 | | APP |

Percent new IX = 0.4793%
Worst case new IX 0.4793% Scenario 5

#####

Analysis of Interference to Affected Station 5

Analysis of current record

| Channel | Call | City/State | Application | Ref. No. |
|---------|------|--------------------|-------------|-----------|
| 34 | KTAS | SAN LUIS OBISPO CA | DTVPLN | -DTVPL241 |

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application | Ref. No. |
|------|---------|----------------|----------|--------|---------------|--------------|
| 33 | KBAK-TV | BAKERSFIELD CA | 187.4 | LIC | BLCDDT | -20060628ABK |
| 33 | KBAK-TV | BAKERSFIELD CA | 187.4 | PLN | DTVPLN | -DTVPL208 |
| 34 | KGPE | FRESNO CA | 219.8 | LIC | BLCDDT | -20030702ABJ |
| 34 | KGPE | FRESNO CA | 219.8 | PLN | DTVPLN | -DTVPL239 |
| 34 | KMEX-TV | LOS ANGELES CA | 267.8 | PLN | DTVPLN | -DTVPL240 |
| 34 | KMEX-TV | LOS ANGELES CA | 267.8 | APP | BMPCDT | -20080620AGO |
| 34 | KMEX-TV | LOS ANGELES CA | 267.8 | CP | BPCDDT | -20080228ABI |
| 34 | KFSF-TV | VALLEJO CA | 310.7 | LIC | BLCDDT | -20030620ABV |
| 34 | KFSF-TV | VALLEJO CA | 310.7 | PLN | DTVPLN | -DTVPL242 |
| 34 | KFSF-TV | VALLEJO CA | 310.7 | APP | BPCDDT | -20081031AAE |
| 35 | K35ER | SANTA MARIA CA | 65.8 | APP | USERRECORD-01 | |

Total scenarios = 10

Result key: 15
Scenario 5 Affected station 5 KTAS
Before Analysis

Results for: 34A CA SAN LUIS OBISPO DTVPLN DTVPL241 PLN

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| HAAT 441.0 m, ATV ERP 82.0 kW | | |
| within Noise Limited Contour | 425142 | 21033.5 |
| not affected by terrain losses | 412797 | 18684.6 |
| lost to NTSC IX | 0 | 0.0 |
| lost to additional IX by ATV | 1148 | 371.6 |
| lost to ATV IX only | 1148 | 371.6 |
| lost to all IX | 1148 | 371.6 |

Potential Interfering Stations Included in above Scenario 5

| | | | |
|--------------------|--------|-------------|-----|
| 34A CA FRESNO | BLCDDT | 20030702ABJ | LIC |
| 34A CA LOS ANGELES | DTVPLN | DTVPL240 | PLN |
| 34A CA VALLEJO | BPCDDT | 20081031AAE | APP |

After Analysis

Results for: 34A CA SAN LUIS OBISPO DTVPLN DTVPL241 PLN

| | POPULATION | AREA (sq km) |
|-------------------------------|------------|--------------|
| HAAT 441.0 m, ATV ERP 82.0 kW | | |
| within Noise Limited Contour | 425142 | 21033.5 |

Figure 3
Sheet 5 of 6

not affected by terrain losses 412797 18684.6
lost to NTSC IX 0 0.0
lost to additional IX by ATV 3202 649.5
lost to ATV IX only 3202 649.5
lost to all IX 3202 649.5

Potential Interfering Stations Included in above Scenario 5

34A CA FRESNO BLCDDT 20030702ABJ LIC
34A CA LOS ANGELES DTVP1241 DTVP1240 PLN
34A CA VALLEJO BPCDDT 20081031AAE APP
35A CA SANTA MARIA USERRECORD01 APP

Percent new IX = 0.4990%
Worst case new IX 0.4990% Scenario 1

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Analysis of Interference to Affected Station 39

Analysis of current record

Channel Call City/State Application Ref. No.
35 K35ER SANTA MARIA CA USERRECORD-01

Stations Potentially Affecting This Station

| Chan | Call | City/State | Dist(km) | Status | Application Ref. No. |
|------|---------|--------------------|----------|--------|----------------------|
| 34 | KTAS | SAN LUIS OBISPO CA | 65.8 | LIC | BLCDDT -20070222AAX |
| 34 | KTAS | SAN LUIS OBISPO CA | 65.8 | PLN | DTVP1241 |
| 35 | K35IW-D | BAKERSFIELD CA | 156.8 | APP | BMPDDL -20070914ABF |
| 35 | K35IW-D | BAKERSFIELD CA | 156.8 | CP | BDCDDTL -20061030AAU |
| 35 | KRVD-LP | BANNING CA | 323.9 | APP | BDISDDL -20080312ADG |
| 35 | KRMV-LP | BANNING CA | 323.9 | APP | BDISDDL -20060901AAT |
| 35 | K35DG | LA JOLLA CA | 355.5 | APP | BDFCDDT -20060802ASH |
| 35 | NEW | PALM SPRINGS CA | 383.8 | APP | BDCDDTL -20070420ABK |
| 35 | NEW | PALM SPRINGS CA | 363.2 | APP | BSFDDL -20060630ATQ |
| 35 | K35HO-D | RIDGECREST CA | 236.1 | LIC | BLDIT -20080401AUL |
| 35 | KRCA | RIVERSIDE CA | 209.3 | APP | BPCDDT -20080620AIN |
| 35 | KRCA-DR | RIVERSIDE CA | 209.3 | APP | BPRM -20080204ADC |
| 35 | KCRA-TV | SACRAMENTO CA | 390.6 | CP | BPCDDT -20080208AEM |
| 35 | KCRA-TV | SACRAMENTO CA | 390.6 | PLN | DTVP1280 |
| 35 | KCRA-TV | SACRAMENTO CA | 389.0 | LIC | BLCDDT -20040122ADR |
| 35 | KMCF-LP | VISALIA CA | 195.6 | LIC | BLTTL -20030303ACQ |

Total scenarios = 14

Result key: 23
Scenario 3 Affected station 39 K35ER
Before Analysis

Results for: 35A CA SANTA MARIA USERRECORD01 APP
HAAT 584.0 m, ATV ERP 1.8 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 265596 | 6199.1 |
| not affected by terrain losses | 251987 | 5312.1 |
| lost to NTSC IX | 4984 | 42.9 |
| lost to additional IX by ATV | 2136 | 112.2 |
| lost to ATV IX only | 2739 | 138.6 |
| lost to all IX | 7120 | 155.1 |

Potential Interfering Stations Included in above Scenario 3

35N CA VISALIA BLTTL 20030303ACQ LIC
34A CA SAN LUIS OBISPO BLCDDT 20070222AAX LIC
35A CA BAKERSFIELD BMPDDL 20070914ABF APP
35A CA RIVERSIDE BPCDDT 20080620AIN APP

Result key: 26

Figure 3
Sheet 6 of 6

Scenario 6 Affected station 39 K35ER
Before Analysis

Results for: 35A CA SANTA MARIA USERRECORD01 APP
HAAT 584.0 m, ATV ERP 1.8 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 265596 | 6199.1 |
| not affected by terrain losses | 251987 | 5312.1 |
| lost to NTSC IX | 4984 | 42.9 |
| lost to additional IX by ATV | 2136 | 112.2 |
| lost to ATV IX only | 2739 | 138.6 |
| lost to all IX | 7120 | 155.1 |

Potential Interfering Stations Included in above Scenario 6

35N CA VISALIA BLTTL 20030303ACQ LIC
34A CA SAN LUIS OBISPO BLCDDT 20070222AAX LIC
35A CA BAKERSFIELD BDCDDTL 20061030AAU CP
35A CA RIVERSIDE BPCDDT 20080620AIN APP

Result key: 29
Scenario 9 Affected station 39 K35ER
Before Analysis

Results for: 35A CA SANTA MARIA USERRECORD01 APP
HAAT 584.0 m, ATV ERP 1.8 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 265596 | 6199.1 |
| not affected by terrain losses | 251987 | 5312.1 |
| lost to NTSC IX | 4984 | 42.9 |
| lost to additional IX by ATV | 2136 | 111.2 |
| lost to ATV IX only | 2739 | 137.6 |
| lost to all IX | 7120 | 154.2 |

Potential Interfering Stations Included in above Scenario 9

35N CA VISALIA BLTTL 20030303ACQ LIC
34A CA SAN LUIS OBISPO DTVP1241 DTVP1241 PLN
35A CA BAKERSFIELD BMPDDL 20070914ABF APP
35A CA RIVERSIDE BPCDDT 20080620AIN APP

Result key: 32
Scenario 12 Affected station 39 K35ER
Before Analysis

Results for: 35A CA SANTA MARIA USERRECORD01 APP
HAAT 584.0 m, ATV ERP 1.8 kW

| | POPULATION | AREA (sq km) |
|--------------------------------|------------|--------------|
| within Noise Limited Contour | 265596 | 6199.1 |
| not affected by terrain losses | 251987 | 5312.1 |
| lost to NTSC IX | 4984 | 42.9 |
| lost to additional IX by ATV | 2136 | 111.2 |
| lost to ATV IX only | 2739 | 137.6 |
| lost to all IX | 7120 | 154.2 |

Potential Interfering Stations Included in above Scenario 12

35N CA VISALIA BLTTL 20030303ACQ LIC
34A CA SAN LUIS OBISPO DTVP1241 DTVP1241 PLN
35A CA BAKERSFIELD BDCDDTL 20061030AAU CP
35A CA RIVERSIDE BPCDDT 20080620AIN APP

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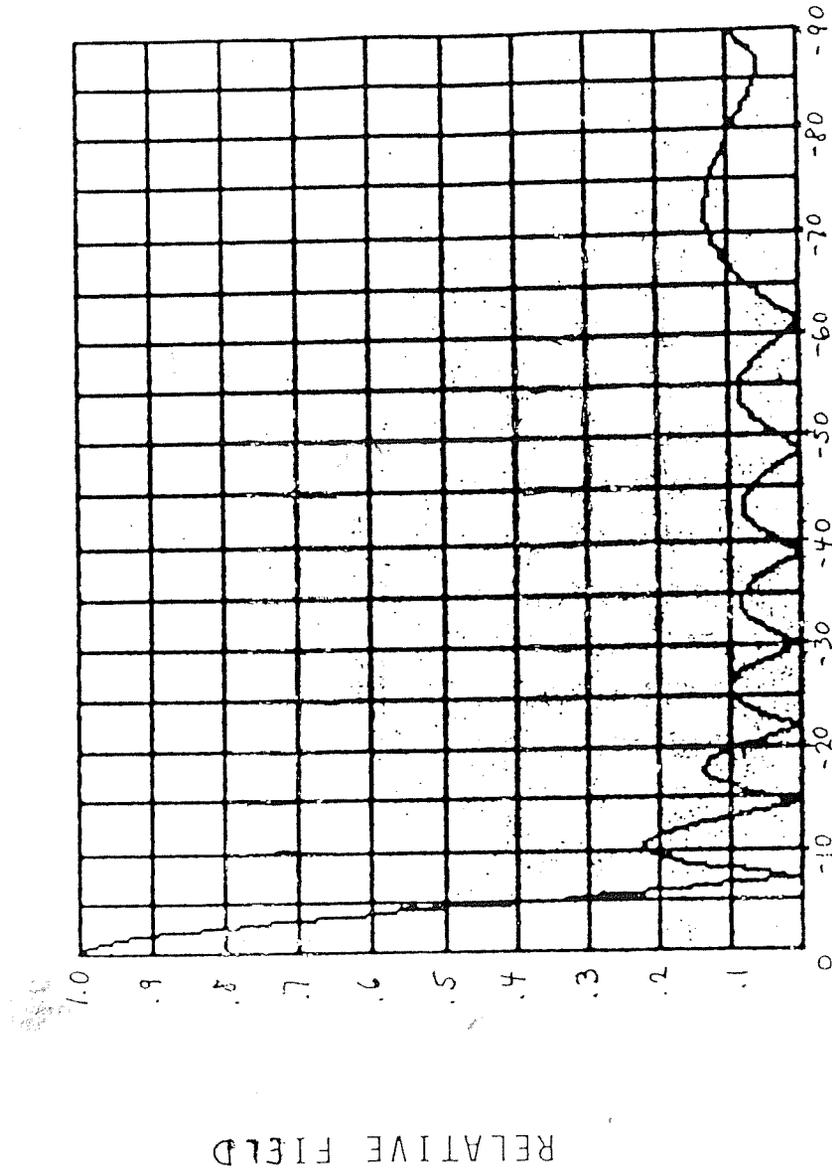
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BOGNER BROADCASTS EQUIPMENT CORP.

603 Cantiague Rock Road
WESTBURY, NEW YORK 11590

BOGNER VERTICAL PLANE RADIATION PATTERN B8U()

LOW & MEDIUM POWER



DEGREES BELOW HORIZONTAL

Figure 4