

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Gustine19d5kwCL1469at150T, Model: Longley-Rice

Start: 2021.07.22 15:26:27

Study created: 2021.07.22 15:26:27

Study build station data: LMS TV 2021-07-22

Proposal: K39ME-D D19 LD APP GUSTINE, CA

Facility ID: 186671

Station data: User record

Record ID: 740

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

| IX | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-----|---------|------|-----|--------|-------------------------|-------------------|----------|
| No | KUVS-DT | D18 | DT | LIC | MODESTO, CA | BLANK0000148149 | 107.2 km |
| No | K18JR-D | D18 | LD | CP | MONTEREY, CA | BNPDTL20100426ABX | 87.9 |
| No | KFAZ-CA | D18 | DC | LIC | VISALIA, CA | BLANK0000001548 | 166.8 |
| Yes | KBBV-CD | D19 | DC | LIC | BAKERSFIELD, CA | BLDTA20110930BHC | 294.9 |
| No | KBBV-CD | D19 | DC | CP | BAKERSFIELD, CA | BLANK0000035842 | 286.1 |
| No | K19FY-D | D19 | LD | LIC | CHICO, CA | BLANK0000122016 | 290.3 |
| No | K19FY-D | N19+ | TX | LIC | CHICO, CA | BLTTT20060109ABD | 312.5 |
| No | K19IS-D | D19 | LD | LIC | INYOKERN, CA | BLDTT20140804ADU | 358.6 |
| No | KFLA-LD | D19 | LD | APP | LOS ANGELES, CA | BLANK0000135240 | 427.2 |
| Yes | KMPH-CD | D19 | DC | LIC | MERCED-MARIPOSA, CA | BLANK0000063112 | 100.0 |
| Yes | KMBY-LD | D19 | LD | LIC | MONTEREY, CA | BLDTL20100520ADV | 87.9 |
| No | K19KG-D | D19 | LD | CP | NEWMAN, CA | BNPDTL20100513ADT | 18.7 |
| No | KMUM-CD | D19 | DC | LIC | SACRAMENTO, CA | BLANK0000116698 | 171.8 |
| Yes | KSTS | D19 | DT | LIC | SAN JOSE, CA | BLANK0000112998 | 78.1 |
| No | K28GY-D | D19 | LD | CP | SANTA BARBARA, ETC., CA | BLANK0000054782 | 313.3 |
| No | KCOY-TV | D19 | DT | LIC | SANTA MARIA, CA | BLCDT20030604ACM | 266.2 |
| No | K19GA-D | D19 | LD | LIC | SUSANVILLE, ETC, CA | BLDTT20110822AAE | 366.7 |
| No | K51AQ-D | D19 | LD | CP | UKIAH, CA | BLANK0000081270 | 277.0 |

| | | | | | | | |
|-----|---------|------|----|-----|-------------------|-----------------|-------|
| No | K19MK-D | D19 | LD | LIC | LAKE TAHOE, NV | BLANK0000090529 | 256.3 |
| No | K38EH-D | D19 | LD | LIC | WALKER LAKE, NV | BLANK0000062104 | 269.9 |
| No | K19MJ-D | D19 | LD | LIC | YERINGTON, NV | BLANK0000090532 | 255.5 |
| No | K2000-D | D20 | LD | CP | CERES, CA | BLANK0000072037 | 37.4 |
| No | KSEE | D20 | DT | LIC | FRESNO, CA | BLANK0000116952 | 146.8 |
| No | K20JX-D | D20 | DC | CP | SACRAMENTO, CA | BLANK0000073020 | 161.5 |
| Yes | KDTV-DT | D20 | DT | LIC | SAN FRANCISCO, CA | BLANK0000113449 | 78.1 |
| No | K27GZ | N27+ | TX | LIC | MARIPOSA, CA | BLTT20020221AAJ | 100.0 |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D19
Mask: Stringent
Latitude: 37 11 41.80 N (NAD83)
Longitude: 121 4 31.30 W
Height AMSL: 81.0 m
HAAT: 0.0 m
Peak ERP: 5.00 kW
Antenna: KAT-CL-1469B (ID 1007708) 150.0 deg
Elev Pattn: Generic

49.3 dBu contour:

| Azimuth | ERP | HAAT | Distance |
|---------|----------|--------|----------|
| 0.0 deg | 0.000 kW | 34.0 m | 3.0 km |
| 45.0 | 0.000 | 50.0 | 3.6 |
| 90.0 | 0.000 | 51.7 | 3.7 |
| 135.0 | 3.87 | 40.9 | 28.0 |
| 180.0 | 1.93 | -31.0 | 21.8 |
| 225.0 | 0.000 | -224.5 | 2.9 |
| 270.0 | 0.000 | -300.0 | 2.9 |
| 315.0 | 0.000 | -59.9 | 2.9 |

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: -55 m

Distance to Canadian border: 1242.2 km

Distance to Mexican border: 608.5 km

Conditions at FCC monitoring station: Livermore CA

Bearing: 314.7 degrees Distance: 84.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 71.8 degrees Distance: 1409.1 km

No land mobile station failures found

Study cell size: 1.00 km

Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

Interference to BLDTA20110930BHC LIC scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|--------------------|--------------|--------|-----|-----------------|---------------------|------------------|----------------|
| Desired: | KBBV-CD | D19 | DC | LIC | BAKERSFIELD, CA | BLDTA20110930BHC | |
| Undesireds: | K39ME-D | D19 | LD | APP | GUSTINE, CA | | 294.9 km |
| | KMPH-CD | D19 | DC | LIC | MERCED-MARIPOSA, CA | BLANK0000063112 | 264.4 |
| | KHDF-CD | D19 | DC | CP | LAS VEGAS, NV | BLANK0000127535 | 329.3 |
| | Service area | | | Terrain-limited | IX-free, before | IX-free, after | Percent New IX |
| 11186.6 | 712,684 | 9293.1 | | 701,637 | 9257.0 | 701,630 | 0.01 0.00 |
| Undesired | | | | Total IX | Unique IX, before | Unique IX, after | |
| K39ME-D D19 LD APP | | 1.0 | | 0 | | 1.0 0 | |

| | | | | | | |
|--------------------|------|---|------|---|------|---|
| KMPH-CD D19 DC LIC | 36.1 | 7 | 36.1 | 7 | 36.1 | 7 |
|--------------------|------|---|------|---|------|---|

Interference to BLANK0000063112 LIC scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|---------|------|-----|--------|---------------------|------------------|----------|
| Desired: | KMPH-CD | D19 | DC | LIC | MERCED-MARIPOSA, CA | BLANK0000063112 | |
| Undesireds: | K39ME-D | D19 | LD | APP | GUSTINE, CA | | 100.0 km |
| | KFAZ-CA | D18 | DC | LIC | VISALIA, CA | BLANK0000001548 | 109.5 |
| | KBBV-CD | D19 | DC | LIC | BAKERSFIELD, CA | BLDTA20110930BHC | 264.4 |
| | KMUM-CD | D19 | DC | LIC | SACRAMENTO, CA | BLANK0000116698 | 182.0 |
| | KSTS | D19 | DT | LIC | SAN JOSE, CA | BLANK0000112998 | 162.7 |
| | KCOY-TV | D19 | DT | LIC | SANTA MARIA, CA | BLCDT20030604ACM | 291.9 |
| | KSEE | D20 | DT | LIC | FRESNO, CA | BLANK0000116952 | 73.9 |

| Service area | Terrain-limited | IX-free, before | IX-free, after | Percent New IX |
|----------------|-----------------|-----------------|----------------|----------------|
| 9753.9 307,455 | 8473.8 298,635 | 8360.3 297,743 | 8358.3 297,743 | 0.02 0.00 |

| Undesired | Total IX | Unique IX, before | Unique IX, after |
|-------------------------|----------|-------------------|------------------|
| K39ME-D D19 LD APP 10.2 | 0 | 2.0 0 | |
| KFAZ-CA D18 DC LIC 17.0 | 51 | 1.0 51 | |
| KBBV-CD D19 DC LIC 51.1 | 641 | 17.1 148 | |
| KMUM-CD D19 DC LIC 9.1 | 0 | 5.1 0 | |
| KSTS D19 DT LIC 34.4 | 250 | 22.4 0 | |
| KCOY-TV D19 DT LIC 3.0 | 248 | 1.0 0 | |
| KSEE D20 DT LIC 55.9 | 445 | 28.0 200 | |

Interference to BLANK0000063112 LIC scenario 2

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|---------|------|-----|--------|---------------------|-----------------|----------|
| Desired: | KMPH-CD | D19 | DC | LIC | MERCED-MARIPOSA, CA | BLANK0000063112 | |
| Undesireds: | K39ME-D | D19 | LD | APP | GUSTINE, CA | | 100.0 km |
| | KFAZ-CA | D18 | DC | LIC | VISALIA, CA | BLANK0000001548 | 109.5 |
| | KBBV-CD | D19 | DC | CP | BAKERSFIELD, CA | BLANK0000035842 | 259.7 |
| | KMUM-CD | D19 | DC | LIC | SACRAMENTO, CA | BLANK0000116698 | 182.0 |

| | | | | | | |
|---------|-----|----|-----|-----------------|------------------|-------|
| KSTS | D19 | DT | LIC | SAN JOSE, CA | BLANK0000112998 | 162.7 |
| KCOY-TV | D19 | DT | LIC | SANTA MARIA, CA | BLCDT20030604ACM | 291.9 |
| KSEE | D20 | DT | LIC | FRESNO, CA | BLANK0000116952 | 73.9 |

| | | | | |
|----------------|-----------------|-----------------|----------------|----------------|
| Service area | Terrain-limited | IX-free, before | IX-free, after | Percent New IX |
| 9753.9 307,455 | 8473.8 298,635 | 8371.4 297,862 | 8369.3 297,862 | 0.02 0.00 |

| | | | |
|--------------------|----------|-------------------|------------------|
| Undesired | Total IX | Unique IX, before | Unique IX, after |
| K39ME-D D19 LD APP | 10.2 0 | 2.0 0 | |
| KFAZ-CA D18 DC LIC | 17.0 51 | 1.0 51 | |
| KBBV-CD D19 DC CP | 29.1 29 | 6.0 29 | |
| KMUM-CD D19 DC LIC | 9.1 0 | 6.1 0 | |
| KSTS D19 DT LIC | 34.4 250 | 22.3 0 | |
| KCOY-TV D19 DT LIC | 3.0 248 | 0.0 0 | |
| KSEE D20 DT LIC | 55.9 445 | 32.0 443 | |

Interference to BLDTL20100520ADV LIC scenario 1

| | | | | | | |
|---------------------|------|-----|--------|---------------------|-------------------|----------|
| Call | Chan | Svc | Status | City, State | File Number | Distance |
| Desired: KMBY-LD | D19 | LD | LIC | MONTEREY, CA | BLDTL20100520ADV | |
| Undesireds: K39ME-D | D19 | LD | APP | GUSTINE, CA | | 87.9 km |
| K18JR-D | D18 | LD | CP | MONTEREY, CA | BNPDTL20100426ABX | 0.7 |
| KBBV-CD | D19 | DC | LIC | BAKERSFIELD, CA | BLDTA20110930BHC | 298.4 |
| K19FY-D | D19 | LD | LIC | CHICO, CA | BLANK0000122016 | 357.3 |
| KMPH-CD | D19 | DC | LIC | MERCED-MARIPOSA, CA | BLANK0000063112 | 179.9 |
| KSTS | D19 | DT | LIC | SAN JOSE, CA | BLANK0000112998 | 109.0 |
| KCOY-TV | D19 | DT | LIC | SANTA MARIA, CA | BLCDT20030604ACM | 222.7 |
| KDTV-DT | D20 | DT | LIC | SAN FRANCISCO, CA | BLANK0000113449 | 109.0 |

| | | | | |
|-----------------|-----------------|-----------------|----------------|----------------|
| Service area | Terrain-limited | IX-free, before | IX-free, after | Percent New IX |
| 12116.5 814,185 | 9008.4 676,376 | 8740.9 659,775 | 8739.9 659,775 | 0.01 0.00 |

| | | | |
|--------------------|----------|-------------------|------------------|
| Undesired | Total IX | Unique IX, before | Unique IX, after |
| K39ME-D D19 LD APP | 1.0 0 | 1.0 0 | |
| K18JR-D D18 LD CP | 5.0 53 | 3.0 51 | |
| KMPH-CD D19 DC LIC | 30.1 0 | 25.1 0 | |

| | | | | | | |
|--------------------|-------|--------|-------|-------|-------|-------|
| KSTS D19 DT LIC | 235.4 | 16,550 | 216.4 | 9,995 | 216.4 | 9,995 |
| KCOY-TV D19 DT LIC | 8.0 | 917 | 4.0 | 0 | 4.0 | 0 |
| KDTV-DT D20 DT LIC | 8.0 | 5,636 | 0.0 | 0 | 0.0 | 0 |

Interference to BLANK0000112998 LIC scenario 1

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|--------------|-----------------|---------|-----------------|---------------------|------------------|-------------------|
| Desired: | KSTS | D19 | DT | LIC | SAN JOSE, CA | BLANK0000112998 | |
| Undesireds: | K39ME-D | D19 | LD | APP | GUSTINE, CA | | 78.1 km |
| | KUVS-DT | D18 | DT | LIC | MODESTO, CA | BLANK0000148149 | 122.0 |
| | KBBV-CD | D19 | DC | LIC | BAKERSFIELD, CA | BLDTA20110930BHC | 371.1 |
| | KMPH-CD | D19 | DC | LIC | MERCED-MARIPOSA, CA | BLANK0000063112 | 162.7 |
| | KMUM-CD | D19 | DC | LIC | SACRAMENTO, CA | BLANK0000116698 | 138.7 |
| | KCOY-TV | D19 | DT | LIC | SANTA MARIA, CA | BLCDT20030604ACM | 325.0 |
| | K20JX-D | D20 | DC | CP | SACRAMENTO, CA | BLANK0000073020 | 144.5 |
| | | | | | | | |
| | Service area | Terrain-limited | | IX-free, before | | IX-free, after | |
| | 39610.0 | 8,361,669 | 31987.9 | 7,237,113 | 30113.8 | 7,012,838 | 30108.8 7,012,838 |
| | | | | | | | Percent New IX |
| | | | | | | | 0.02 0.00 |

| Undesired | Total IX | Unique IX, before | Unique IX, after |
|---------------------------|----------|-------------------|------------------|
| K39ME-D D19 LD APP 24.1 | 0 | 5.0 | 0 |
| KUVS-DT D18 DT LIC 756.2 | 147,114 | 12.2 | 5 |
| KBBV-CD D19 DC LIC 21.0 | 0 | 5.0 | 0 |
| KMPH-CD D19 DC LIC 1189.7 | 202,920 | 331.8 | 27,076 |
| KMUM-CD D19 DC LIC 1279.8 | 187,286 | 409.0 | 12,925 |
| KCOY-TV D19 DT LIC 163.6 | 7,676 | 160.5 | 7,676 |
| K20JX-D D20 DC CP 212.2 | 7,215 | 2.0 | 3 |

Interference to BLANK0000112998 LIC scenario 2

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|---------|------|-----|--------|--------------|-----------------|----------|
| Desired: | KSTS | D19 | DT | LIC | SAN JOSE, CA | BLANK0000112998 | |
| Undesireds: | K39ME-D | D19 | LD | APP | GUSTINE, CA | | 78.1 km |
| | KUVS-DT | D18 | DT | LIC | MODESTO, CA | BLANK0000148149 | 122.0 |

| | | | | | | |
|---------|-----|----|-----|---------------------|------------------|-------|
| KBBV-CD | D19 | DC | LIC | BAKERSFIELD, CA | BLDTA20110930BHC | 371.1 |
| KMPH-CD | D19 | DC | LIC | MERCED-MARIPOSA, CA | BLANK0000063112 | 162.7 |
| KMUM-CD | D19 | DC | LIC | SACRAMENTO, CA | BLANK0000116698 | 138.7 |
| KCOY-TV | D19 | DT | LIC | SANTA MARIA, CA | BLCDT20030604ACM | 325.0 |
| K20JX-D | D20 | DC | LIC | SACRAMENTO, CA | BLDTA20101006AAS | 155.9 |

| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | | Percent New IX | |
|--------------|-----------|-----------------|-----------|-----------------|-----------|----------------|-----------|----------------|------|
| 39610.0 | 8,361,669 | 31987.9 | 7,237,113 | 30115.8 | 7,012,841 | 30110.8 | 7,012,841 | 0.02 | 0.00 |

| Undesired | | Total IX | | Unique IX, before | | Unique IX, after | |
|-----------|------------|----------|---------|-------------------|--------|------------------|--------|
| K39ME-D | D19 LD APP | 24.1 | 0 | | | 5.0 | 0 |
| KUVS-DT | D18 DT LIC | 756.2 | 147,114 | 13.2 | 10 | 13.2 | 10 |
| KBBV-CD | D19 DC LIC | 21.0 | 0 | 5.0 | 0 | 5.0 | 0 |
| KMPH-CD | D19 DC LIC | 1189.7 | 202,920 | 333.8 | 27,076 | 333.8 | 27,076 |
| KMUM-CD | D19 DC LIC | 1279.8 | 187,286 | 429.1 | 13,351 | 427.1 | 13,351 |
| KCOY-TV | D19 DT LIC | 163.6 | 7,676 | 160.5 | 7,676 | 160.5 | 7,676 |
| K20JX-D | D20 DC LIC | 9.0 | 195 | 0.0 | 0 | 0.0 | 0 |

Interference to BLANK0000112998 LIC scenario 3

| | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|---------|------|-----|--------|---------------------|------------------|----------|
| Desired: | KSTS | D19 | DT | LIC | SAN JOSE, CA | BLANK0000112998 | |
| Undesireds: | K39ME-D | D19 | LD | APP | GUSTINE, CA | | 78.1 km |
| | KUVS-DT | D18 | DT | LIC | MODESTO, CA | BLANK0000148149 | 122.0 |
| | KBBV-CD | D19 | DC | CP | BAKERSFIELD, CA | BLANK0000035842 | 361.6 |
| | KMPH-CD | D19 | DC | LIC | MERCED-MARIPOSA, CA | BLANK0000063112 | 162.7 |
| | KMUM-CD | D19 | DC | LIC | SACRAMENTO, CA | BLANK0000116698 | 138.7 |
| | KCOY-TV | D19 | DT | LIC | SANTA MARIA, CA | BLCDT20030604ACM | 325.0 |
| | K20JX-D | D20 | DC | CP | SACRAMENTO, CA | BLANK0000073020 | 144.5 |

| Service area | | Terrain-limited | | IX-free, before | | IX-free, after | | Percent New IX | |
|--------------|-----------|-----------------|-----------|-----------------|-----------|----------------|-----------|----------------|------|
| 39610.0 | 8,361,669 | 31987.9 | 7,237,113 | 30117.8 | 7,012,838 | 30112.8 | 7,012,838 | 0.02 | 0.00 |

| Undesired | | Total IX | | Unique IX, before | | Unique IX, after | |
|-----------|------------|----------|---------|-------------------|---|------------------|---|
| K39ME-D | D19 LD APP | 24.1 | 0 | | | 5.0 | 0 |
| KUVS-DT | D18 DT LIC | 756.2 | 147,114 | 12.2 | 5 | 12.2 | 5 |

| | | | | | | | | | |
|---------|-----|----|-----|--------|---------|-------|--------|-------|--------|
| KBBV-CD | D19 | DC | CP | 5.0 | 0 | 1.0 | 0 | 1.0 | 0 |
| KMPH-CD | D19 | DC | LIC | 1189.7 | 202,920 | 344.8 | 27,076 | 342.8 | 27,076 |
| KMUM-CD | D19 | DC | LIC | 1279.8 | 187,286 | 409.0 | 12,925 | 407.0 | 12,925 |
| KCOY-TV | D19 | DT | LIC | 163.6 | 7,676 | 160.5 | 7,676 | 160.5 | 7,676 |
| K20JX-D | D20 | DC | CP | 212.2 | 7,215 | 2.0 | 3 | 2.0 | 3 |

Interference to BLANK0000112998 LIC scenario 4

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|--------------|-----------------|---------|-----------------|---------------------|------------------|-------------------|
| | KSTS | D19 | DT | LIC | SAN JOSE, CA | BLANK0000112998 | |
| Undesireds: | K39ME-D | D19 | LD | APP | GUSTINE, CA | | 78.1 km |
| | KUVS-DT | D18 | DT | LIC | MODESTO, CA | BLANK0000148149 | 122.0 |
| | KBBV-CD | D19 | DC | CP | BAKERSFIELD, CA | BLANK0000035842 | 361.6 |
| | KMPH-CD | D19 | DC | LIC | MERCED-MARIPOSA, CA | BLANK0000063112 | 162.7 |
| | KMUM-CD | D19 | DC | LIC | SACRAMENTO, CA | BLANK0000116698 | 138.7 |
| | KCOY-TV | D19 | DT | LIC | SANTA MARIA, CA | BLCDT20030604ACM | 325.0 |
| | K20JX-D | D20 | DC | LIC | SACRAMENTO, CA | BLDTA20101006AAS | 155.9 |
| | | | | | | | |
| | Service area | Terrain-limited | | IX-free, before | | IX-free, after | |
| | 39610.0 | 8,361,669 | 31987.9 | 7,237,113 | 30119.8 | 7,012,841 | 30114.8 7,012,841 |
| | | | | | | | Percent New IX |
| | | | | | | | 0.02 0.00 |

| Undesired | Total IX | Unique IX, before | Unique IX, after |
|--------------------|----------------|-------------------|------------------|
| K39ME-D D19 LD APP | 24.1 0 | 5.0 0 | |
| KUVS-DT D18 DT LIC | 756.2 147,114 | 13.2 10 | |
| KBBV-CD D19 DC CP | 5.0 0 | 1.0 0 | |
| KMPH-CD D19 DC LIC | 1189.7 202,920 | 346.8 27,076 | |
| KMUM-CD D19 DC LIC | 1279.8 187,286 | 429.1 13,351 | |
| KCOY-TV D19 DT LIC | 163.6 7,676 | 160.5 7,676 | |
| K20JX-D D20 DC LIC | 9.0 195 | 0.0 0 | |

Interference to BLANK0000113449 LIC scenario 1

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|----------|---------|------|-----|--------|-------------------|-----------------|----------|
| | KDTV-DT | D20 | DT | LIC | SAN FRANCISCO, CA | BLANK0000113449 | |

| | | | | | | | |
|-------------|---------|------|----|-----|-------------------|-----------------|---------|
| Undesireds: | K39ME-D | D19 | LD | APP | GUSTINE, CA | | 78.1 km |
| | KSTS | D19 | DT | LIC | SAN JOSE, CA | BLANK0000112998 | 0.0 |
| | KNVN | D20 | DT | LIC | CHICO, CA | BLANK0000121428 | 307.3 |
| | KSEE | D20 | DT | LIC | FRESNO, CA | BLANK0000116952 | 221.5 |
| | K20JX-D | D20 | DC | CP | SACRAMENTO, CA | BLANK0000073020 | 144.5 |
| | KNSN-TV | D20 | DT | LIC | RENO, NV | BLANK0000001059 | 293.6 |
| | KSPX-TV | D21 | DT | LIC | SACRAMENTO, CA | BLANK0000115705 | 89.3 |
| | KCNZ-CD | D21z | DC | LIC | SAN FRANCISCO, CA | BLANK0000117957 | 53.8 |
| | KMTP-TV | D21z | DT | LIC | SAN FRANCISCO, CA | BLANK0000137431 | 53.8 |
| | KDTV-CD | D21 | DC | LIC | SANTA ROSA, CA | BLANK0000112915 | 146.0 |

| | | | | |
|-------------------|-------------------|-------------------|-------------------|----------------|
| Service area | Terrain-limited | IX-free, before | IX-free, after | Percent New IX |
| 36787.6 7,962,275 | 30359.9 7,099,618 | 28275.2 6,724,063 | 28275.2 6,724,063 | 0.00 0.00 |

| | | | |
|---------------------------|----------|-------------------|------------------|
| Undesired | Total IX | Unique IX, before | Unique IX, after |
| K39ME-D D19 LD APP 1.0 | 0 | 0.0 | 0 |
| KSTS D19 DT LIC 2.0 | 627 | 2.0 627 | 2.0 627 |
| KNVN D20 DT LIC 537.2 | 92,052 | 4.0 21 | 4.0 21 |
| KSEE D20 DT LIC 1737.0 | 268,263 | 622.4 35,301 | 621.4 35,301 |
| K20JX-D D20 DC CP 1184.7 | 271,564 | 90.8 16,728 | 90.8 16,728 |
| KSPX-TV D21 DT LIC 1238.5 | 267,451 | 31.2 16,418 | 31.2 16,418 |
| KCNZ-CD D21z DC LIC 58.4 | 38,079 | 1.0 808 | 1.0 808 |
| KMTP-TV D21z DT LIC 57.4 | 37,271 | 0.0 0 | 0.0 0 |
| KDTV-CD D21 DC LIC 34.2 | 18,751 | 24.2 6,680 | 24.2 6,680 |

Interference to BLANK0000113449 LIC scenario 2

| | | | | | | | |
|-------------|---------|------|-----|--------|-------------------|------------------|----------|
| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
| | KDTV-DT | D20 | DT | LIC | SAN FRANCISCO, CA | BLANK0000113449 | |
| Undesireds: | K39ME-D | D19 | LD | APP | GUSTINE, CA | | 78.1 km |
| | KSTS | D19 | DT | LIC | SAN JOSE, CA | BLANK0000112998 | 0.0 |
| | KNVN | D20 | DT | LIC | CHICO, CA | BLANK0000121428 | 307.3 |
| | KSEE | D20 | DT | LIC | FRESNO, CA | BLANK0000116952 | 221.5 |
| | K20JX-D | D20 | DC | LIC | SACRAMENTO, CA | BLDTA20101006AAS | 155.9 |
| | KNSN-TV | D20 | DT | LIC | RENO, NV | BLANK0000001059 | 293.6 |
| | KSPX-TV | D21 | DT | LIC | SACRAMENTO, CA | BLANK0000115705 | 89.3 |

| | | | | | | |
|---------|------|----|-----|-------------------|-----------------|-------|
| KCNZ-CD | D21z | DC | LIC | SAN FRANCISCO, CA | BLANK0000117957 | 53.8 |
| KMTP-TV | D21z | DT | LIC | SAN FRANCISCO, CA | BLANK0000137431 | 53.8 |
| KDTV-CD | D21 | DC | LIC | SANTA ROSA, CA | BLANK0000112915 | 146.0 |

| Service area | Terrain-limited | IX-free, before | IX-free, after | Percent New IX |
|-------------------|-------------------|-------------------|-------------------|----------------|
| 36787.6 7,962,275 | 30359.9 7,099,618 | 28353.9 6,739,989 | 28353.9 6,739,989 | 0.00 0.00 |

| Undesired | Total IX | Unique IX, before | Unique IX, after |
|---------------------|----------------|-------------------|------------------|
| K39ME-D D19 LD APP | 1.0 0 | 0.0 0 | 0.0 0 |
| KSTS D19 DT LIC | 2.0 627 | 2.0 627 | 2.0 627 |
| KNVN D20 DT LIC | 537.2 92,052 | 4.0 21 | 4.0 21 |
| KSEE D20 DT LIC | 1737.0 268,263 | 641.6 38,807 | 640.6 38,807 |
| K20JX-D D20 DC LIC | 421.8 51,281 | 12.1 802 | 12.1 802 |
| KSPX-TV D21 DT LIC | 1238.5 267,451 | 73.6 52,159 | 73.6 52,159 |
| KCNZ-CD D21z DC LIC | 58.4 38,079 | 1.0 808 | 1.0 808 |
| KMTP-TV D21z DT LIC | 57.4 37,271 | 0.0 0 | 0.0 0 |
| KDTV-CD D21 DC LIC | 34.2 18,751 | 25.2 6,714 | 25.2 6,714 |

Interference to proposal scenario 1
91.68% interference received

| Desired: | Call | Chan | Svc | Status | City, State | File Number | Distance |
|-------------|---------|------|-----|--------|---------------------|-------------------|----------|
| | K39ME-D | D19 | LD | APP | GUSTINE, CA | | |
| Undesireds: | KBBV-CD | D19 | DC | LIC | BAKERSFIELD, CA | BLDTA20110930BHC | 294.9 km |
| | K19FY-D | D19 | LD | LIC | CHICO, CA | BLANK0000122016 | 290.3 |
| | KMPH-CD | D19 | DC | LIC | MERCED-MARIPOSA, CA | BLANK0000063112 | 100.0 |
| | K19KG-D | D19 | LD | CP | NEWMAN, CA | BNPDTL20100513ADT | 18.7 |
| | KMUM-CD | D19 | DC | LIC | SACRAMENTO, CA | BLANK0000116698 | 171.8 |

| Service area | Terrain-limited | IX-free | Percent IX |
|--------------|-----------------|-------------|-------------|
| 506.8 33,741 | 489.9 33,741 | 291.3 2,808 | 40.54 91.68 |

| Undesired | Total IX | Unique IX | Prcnt Unique IX |
|--------------------|--------------|-------------|-----------------|
| KMPH-CD D19 DC LIC | 171.6 30,835 | 74.8 14,137 | 15.28 41.90 |
| K19KG-D D19 LD CP | 122.7 16,796 | 26.0 98 | 5.30 0.29 |
| KMUM-CD D19 DC LIC | 2.0 0 | 1.0 0 | 0.20 0.00 |

