

tvstudy v2.2.2  
Database: localhost, Study: KSWB-P9, Model: Longley-Rice  
Start: 2017.06.13

Study created: 2017.06.13

Study build station data: LMS TV 2017-06-02 (10)

Proposal: KSWB-P9 D26 DT APP SAN DIEGO, CA  
File number: KSWB-P9  
Facility ID: 58827  
Station data: User record  
Record ID: 382  
Country: U.S.  
Zone: II

Stations potentially affected:

| Call    | Chan | Svc | Status | City, State      | File Number      | Distance |
|---------|------|-----|--------|------------------|------------------|----------|
| KVEA    | D25  | DT  | BL     | CORONA, CA       | DTVBL19783       | 198.3 km |
| KUTP    | D26  | DT  | LIC    | PHOENIX, AZ      | BLCDT20130625AAK | 459.7    |
| KUVI-DT | D26  | DT  | BL     | BAKERSFIELD, CA  | DTVBL7700        | 347.2    |
| KMIR-TV | D26  | DT  | BL     | PALM SPRINGS, CA | DTVBL16749       | 138.2    |
| KVER-CD | D27  | DC  | BL     | INDIO, CA        | DTVBL69753       | 138.1    |
| KPOM-CD | D27  | DC  | BL     | ONTARIO, CA      | DTVBL191793      | 149.0    |

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D26  
Latitude: 32 41 47.00 N (NAD83)  
Longitude: 116 56 10.00 W  
Height AMSL: 840.0 m  
HAAT: 601.0 m  
Peak ERP: 350 kW  
Antenna: DIE-TFU-27ETT/VP-R S180 0.0 deg

40.0 dBu contour:

| Azimuth | ERP    | HAAT    | Distance |
|---------|--------|---------|----------|
| 0.0 deg | 313 kW | 677.7 m | 115.6 km |
| 45.0    | 192    | 566.6   | 106.0    |
| 90.0    | 57.8   | 432.0   | 87.0     |
| 135.0   | 65.7   | 317.5   | 79.0     |
| 180.0   | 24.9   | 677.2   | 93.1     |
| 225.0   | 50.5   | 709.7   | 100.4    |
| 270.0   | 116    | 752.3   | 109.5    |
| 315.0   | 279    | 673.5   | 114.3    |

ERP exceeds maximum  
ERP: 350 kW ERP maximum: 326 kW

Proposal service area is within baseline plus 1.0%  
Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 1811.3 km

\*\*Proposal is within coordination distance of Mexican border  
Distance to Mexican border: 16.2 km

Conditions at FCC monitoring station: Douglas AZ  
Bearing: 99.0 degrees Distance: 698.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:  
Bearing: 48.3 degrees Distance: 1329.4 km

Study cell size: 2.00 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%

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Interference to DTVBL19783 BL, scenario 1

| Desired:    | Call    | Chan | Svc | Status | City, State        | File Number     | Distance |
|-------------|---------|------|-----|--------|--------------------|-----------------|----------|
|             | KVEA    | D25  | DT  | BL     | CORONA, CA         | DTVBL19783      |          |
| Undesireds: | KSWB-TV | D26  | DT  | BL     | SAN DIEGO, CA      | DTVBL58827      | 198.3 km |
|             | KSWB-P9 | D26  | DT  | APP    | SAN DIEGO, CA      | KSWB-P9         | 198.3    |
|             | KPXN-TV | D24  | DT  | BL     | SAN BERNARDINO, CA | DTVBL58978      | 0.1      |
|             | KBNT-CD | D24  | DC  | BL     | SAN DIEGO, CA      | DTVBL4035       | 170.3    |
|             | KGET-TV | D25  | DT  | LIC    | BAKERSFIELD, CA    | BLANK0000007394 | 149.5    |
|             | KUVI-DT | D26  | DT  | BL     | BAKERSFIELD, CA    | DTVBL7700       | 149.6    |
|             | KMIR-TV | D26  | DT  | BL     | PALM SPRINGS, CA   | DTVBL16749      | 154.8    |

| Service area       | Terrain-limited    | IX-free, before    | IX-free, after     | Percent New IX |
|--------------------|--------------------|--------------------|--------------------|----------------|
| 44270.5 17,925,427 | 34603.5 16,668,157 | 34288.2 16,590,077 | 34304.2 16,590,077 | -0.05 0.00     |

| Undesired          | Total IX     | Unique IX, before | Unique IX, after |
|--------------------|--------------|-------------------|------------------|
| KSWB-TV D26 DT BL  | 267.4 78,075 | 267.4 78,075      |                  |
| KSWB-P9 D26 DT APP | 251.4 78,075 |                   | 251.4 78,075     |
| KPXN-TV D24 DT BL  | 16.0 0       | 16.0 0            | 16.0 0           |
| KGET-TV D25 DT LIC | 23.9 0       | 23.9 0            | 23.9 0           |
| KMIR-TV D26 DT BL  | 8.0 5        | 8.0 5             | 8.0 5            |

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Interference to BLCDT20130625AAK LIC, scenario 1  
Proposal causes no interference.  
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## Interference to DTVBL7700 BL, scenario 1

| Desired:    | Call    | Chan | Svc | Status | City, State       | File Number       | Distance |
|-------------|---------|------|-----|--------|-------------------|-------------------|----------|
|             | KUVI-DT | D26  | DT  | BL     | BAKERSFIELD, CA   | DTVBL7700         |          |
| Undesireds: | KSWB-TV | D26  | DT  | BL     | SAN DIEGO, CA     | DTVBL58827        | 347.2 km |
|             | KSWB-P9 | D26  | DT  | APP    | SAN DIEGO, CA     | KSWB-P9           | 347.2    |
|             | KGET-TV | D25  | DT  | LIC    | BAKERSFIELD, CA   | BLANK0000007394   | 0.1      |
|             | KVEA    | D25  | DT  | BL     | CORONA, CA        | DTVBL19783        | 149.6    |
|             | KMIR-TV | D26  | DT  | BL     | PALM SPRINGS, CA  | DTVBL16749        | 273.9    |
|             | KTFK-DT | D26  | DT  | LIC    | STOCKTON, CA      | BLCDDT20110819ABS | 396.5    |
|             | KGMC    | D27  | DT  | BL     | CLOVIS, CA        | DTVBL23302        | 153.2    |
|             | KEYT-TV | D27  | DT  | LIC    | SANTA BARBARA, CA | BLCDDT20061102ABJ | 150.4    |
|             | KSKJ-CD | D27  | DC  | BL     | VAN NUYS, CA      | DTVBL36717        | 130.7    |

|              |                 |                 |                |                |
|--------------|-----------------|-----------------|----------------|----------------|
| Service area | Terrain-limited | IX-free, before | IX-free, after | Percent New IX |
| 26197.4      | 1,006,905       | 20455.4         | 961,271        | 20383.4        |
|              |                 | 960,234         | 960,234        | 0.00           |

| Undesired          | Total IX | Unique IX, before | Unique IX, after |
|--------------------|----------|-------------------|------------------|
| KSWB-TV D26 DT BL  | 7.9      | 2                 | 2                |
| KSWB-P9 D26 DT APP | 7.9      | 2                 | 2                |
| KGET-TV D25 DT LIC | 12.0     | 0                 | 0                |
| KVEA D25 DT BL     | 4.0      | 0                 | 0                |
| KGMC D27 DT BL     | 48.1     | 1,035             | 48.1             |

## Interference to DTVBL16749 BL, scenario 1

| Desired:    | Call    | Chan | Svc | Status | City, State      | File Number | Distance |
|-------------|---------|------|-----|--------|------------------|-------------|----------|
|             | KMIR-TV | D26  | DT  | BL     | PALM SPRINGS, CA | DTVBL16749  |          |
| Undesireds: | KSWB-TV | D26  | DT  | BL     | SAN DIEGO, CA    | DTVBL58827  | 138.2 km |
|             | KSWB-P9 | D26  | DT  | APP    | SAN DIEGO, CA    | KSWB-P9     | 138.2    |
|             | KVEA    | D25  | DT  | BL     | CORONA, CA       | DTVBL19783  | 154.8    |
|             | KUVI-DT | D26  | DT  | BL     | BAKERSFIELD, CA  | DTVBL7700   | 273.9    |
|             | KVER-CD | D27  | DC  | BL     | INDIO, CA        | DTVBL69753  | 0.1      |
|             | KPOM-CD | D27  | DC  | BL     | ONTARIO, CA      | DTVBL191793 | 52.9     |

|              |                 |                 |                |                |
|--------------|-----------------|-----------------|----------------|----------------|
| Service area | Terrain-limited | IX-free, before | IX-free, after | Percent New IX |
| 14042.7      | 862,440         | 8187.5          | 512,839        | 8151.4         |
|              |                 | 512,839         | 512,844        | -0.05          |

| Undesired          | Total IX | Unique IX, before | Unique IX, after |
|--------------------|----------|-------------------|------------------|
| KSWB-TV D26 DT BL  | 40.1     | 2,946             | 2,946            |
| KSWB-P9 D26 DT APP | 36.1     | 2,941             | 36.1             |

Interference to DTVBL69753 BL, scenario 1  
Proposal causes no interference.Interference to DTVBL69753 BL, scenario 2  
Proposal causes no interference.Interference to DTVBL69753 BL, scenario 3  
Proposal causes no interference.Interference to DTVBL69753 BL, scenario 4  
Proposal causes no interference.Interference to DTVBL191793 BL, scenario 1  
Proposal causes no interference.Interference to DTVBL191793 BL, scenario 2  
Proposal causes no interference.Interference to DTVBL191793 BL, scenario 3  
Proposal causes no interference.Interference to DTVBL191793 BL, scenario 4  
Proposal causes no interference.

## Interference to proposal, scenario 1

| Desired:    | Call    | Chan | Svc | Status | City, State      | File Number | Distance |
|-------------|---------|------|-----|--------|------------------|-------------|----------|
|             | KSWB-P9 | D26  | DT  | APP    | SAN DIEGO, CA    | KSWB-P9     |          |
| Undesireds: | KVEA    | D25  | DT  | BL     | CORONA, CA       | DTVBL19783  | 198.3 km |
|             | KUVI-DT | D26  | DT  | BL     | BAKERSFIELD, CA  | DTVBL7700   | 347.2    |
|             | KMIR-TV | D26  | DT  | BL     | PALM SPRINGS, CA | DTVBL16749  | 138.2    |
|             | KVER-CD | D27  | DC  | BL     | INDIO, CA        | DTVBL69753  | 138.1    |
|             | KPOM-CD | D27  | DC  | BL     | ONTARIO, CA      | DTVBL191793 | 149.0    |

|              |                 |         |            |
|--------------|-----------------|---------|------------|
| Service area | Terrain-limited | IX-free | Percent IX |
| 22125.8      | 3,696,104       | 17672.3 | 3,481,954  |
| 10287.2      | 1,768,638       | 8777.3  | 1,677,464  |
|              |                 | 8777.3  | 1,677,464  |

| Undesired         | Total IX | Unique IX | Prct Unique IX |
|-------------------|----------|-----------|----------------|
| KVEA D25 DT BL    | 44.1     | 13,898    | 0.25           |
| KMIR-TV D26 DT BL | 20.1     | 0         | 0.11           |