INTERFERENCE ANALYSIS FOR KSWB-TV, SAN DIEGO, CA, CHANNEL 26, UNDER POST-REPACK ALLOCATION ENVIRONMENT

```
tvstudy v2.2.5 (4uoc83)
Database: localhost,  Study: kswb26p11,  Model: Longley-Rice

Study build station data: LMS TV 2018-03-13

    Proposal: KSWB26P11 D26 DT APP SAN DIEGO, CA
 File number: kswb26p11
 Facility ID: 58827
Station data: User record
   Record ID: 2392
     Country: U.S.
        Zone: II

Search options:
Non-U.S. records included

Stations potentially affected by proposal:

IX   Call      Chan       Svc Status  City, State               File Number             Distance
Yes  KVEA      D25        DT  CP      CORONA, CA                BLANK0000034770         199.6 km
Yes  KVEA      D25        DT  BL      CORONA, CA                DTVBL19783              198.3
No   KUTP      D26        DT  LIC     PHOENIX, AZ               BLCDT20130625AAK        459.7
Yes  KUVI-DT   D26        DT  CP      BAKERSFIELD, CA           BLANK0000034321         347.1
Yes  KUVI-DT   D26        DT  BL      BAKERSFIELD, CA           DTVBL7700               347.2
Yes  KMIR-TV   D26        DT  CP      PALM SPRINGS, CA          BLANK0000034640         138.2
Yes  KMIR-TV   D26        DT  BL      PALM SPRINGS, CA          DTVBL16749              138.2
Yes  KSKJ-CD   D26        DC  CP      VAN NUYS, CA              BLANK0000034721         198.3
No   KVER-CD   D27        DC  CP      INDIO, CA                 BLANK0000034462         138.1
No   KVER-CD   D27        DC  BL      INDIO, CA                 DTVBL69753              138.1
No   KPOM-CD   D27        DC  APP     ONTARIO, CA               BLANK0000034691         180.2
No   KPOM-CD   D27        DC  LIC     ONTARIO, CA               BLANK0000036109         144.2
No   XHEXT     D25        DT  LIC     MEXICALI, BN              BLANKBPFS20050721BFG    135.8
No   CADENATRESD25        DT  LIC     SAN QUINTIN SAN TELM, BN  BLANKBPFS20160524AAX    254.8
Yes  XHEBC     D26        DT  LIC     ENSENADA, BN              BLANKBPFS20160301ABP     95.9
No   XHSFB     D26        DT  LIC     SAN FELIPE, BN            BLANKBPFS20151106AAJ    271.8
Yes  XHBJ      D27        DT  LIC     TIJUANA, BN               BLANKBPFS20160302ADP     23.7

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: 835.3 m
       HAAT: 596.0 m
   Peak ERP: 350 kW
    Antenna: DIE-TFU-29JTH/VP-R S180 (ID 1001299) 0.0 deg
Elev Pattrn: DIE-TFU-29JTH/VP-R S180
      Tilts: elec 1.00, mech 1.00 @ 240.0 deg

40.0 dBu contour:
Azimuth      ERP       HAAT   Distance
  0.0 deg    312 kW   673.0 m  115.3 km
 45.0        182      561.9    105.2
 90.0       56.4      427.3     86.6
135.0       64.1      312.8     78.4
180.0       20.9      672.5     91.5
225.0       27.6      705.0     94.9
270.0       74.1      747.6    105.3
315.0        256      668.8    113.3

ERP exceeds maximum
ERP: 350 kW   ERP maximum: 332 kW

Distance to Canadian border: 1811.3 km

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

INTERFERENCE ANALYSIS FOR KSWB-TV, SAN DIEGO, CA, CHANNEL 26, UNDER POST-REPACK ALLOCATION ENVIRONMENT

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%

Interference to BLANK0000034770 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KVEA	D25	DT	CP	CORONA, CA	BLANK0000034770	
Undesireds:	KSWB-TV	D26	DT	BL	SAN DIEGO, CA	DTVBL58827	199.6 km
	KSWB26P11	D26	DT	APP	SAN DIEGO, CA	kswb26p11	199.6
	KPXN-TV	D24	DT	CP	SAN BERNARDINO, CA	BLANK0000034900	0.2
	KBNT-CD	D24	DC	CP	SAN DIEGO, CA	BLANK0000034463	171.7
	KGET-TV	D25	DT	LIC	BAKERSFIELD, CA	BLANK0000007394	148.2
	KUVI-DT	D26	DT	CP	BAKERSFIELD, CA	BLANK0000034321	148.2
	KMIR-TV	D26	DT	CP	PALM SPRINGS, CA	BLANK0000034640	155.4
	KSKJ-CD	D26	DC	CP	VAN NUYS, CA	BLANK0000034721	1.4
	XHEXT	D25	DT	LIC	MEXICALI, BN	BLANKBPFS20050721BFG	298.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
44904.9	17,643,841	34376.4	16,432,886	33993.6	16,227,673	34001.6	16,227,673	-0.02	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KSWB-TV D26 DT BL	143.7	62,243	143.7	62,243		
KSWB26P11 D26 DT APP	135.7	62,243			135.7	62,243
KPXN-TV D24 DT CP	60.1	70,361	52.1	39,450	52.1	39,450
KGET-TV D25 DT LIC	139.1	6,137	123.2	6,125	123.2	6,125
KUVI-DT D26 DT CP	15.9	12	0.0	0	0.0	0
KSKJ-CD D26 DC CP	44.0	95,462	36.0	64,551	36.0	64,551
XHEXT D25 DT LIC	4.0	1,921	4.0	1,921	4.0	1,921

Interference to DTVBL19783 BL scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KVEA	D25	DT	BL	CORONA, CA	DTVBL19783	
Undesireds:	KSWB-TV	D26	DT	BL	SAN DIEGO, CA	DTVBL58827	198.3 km
	KSWB26P11	D26	DT	APP	SAN DIEGO, CA	kswb26p11	198.3
	KPXN-TV	D24	DT	CP	SAN BERNARDINO, CA	BLANK0000034900	1.6
	KBNT-CD	D24	DC	CP	SAN DIEGO, CA	BLANK0000034463	170.3
	KGET-TV	D25	DT	LIC	BAKERSFIELD, CA	BLANK0000007394	149.5
	KUVI-DT	D26	DT	CP	BAKERSFIELD, CA	BLANK0000034321	149.5
	KMIR-TV	D26	DT	CP	PALM SPRINGS, CA	BLANK0000034640	154.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
44270.5	17,925,427	34603.5	16,668,157	34208.2	16,568,055	34224.2	16,568,055	-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		
KSWB26P11 D26 DT APP	251.4	78,075			251.4	78,075
KPXN-TV D24 DT CP	95.9	22,022	95.9	22,022	95.9	22,022
KGET-TV D25 DT LIC	23.9	0	23.9	0	23.9	0
KMIR-TV D26 DT CP	8.0	5	8.0	5	8.0	5

INTERFERENCE ANALYSIS FOR KSWB-TV, SAN DIEGO, CA, CHANNEL 26, UNDER POST-REPACK ALLOCATION ENVIRONMENT

Interference to BLANK0000034321 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KUVI-DT	D26	DT	CP	BAKERSFIELD, CA	BLANK0000034321	
Undesireds:	KSWB-TV	D26	DT	BL	SAN DIEGO, CA	DTVBL58827	347.1 km
	KSWB26P11	D26	DT	APP	SAN DIEGO, CA	kswb26p11	347.1
	KVEA	D25	DT	CP	CORONA, CA	BLANK0000034770	148.2
	KMIR-TV	D26	DT	CP	PALM SPRINGS, CA	BLANK0000034640	273.8
	KSKJ-CD	D26	DC	CP	VAN NUYS, CA	BLANK0000034721	149.6
	KGMC	D27	DT	CP	CLOVIS, CA	BLANK0000028225	153.3
	KPOM-CD	D27	DC	APP	ONTARIO, CA	BLANK0000034691	168.4

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
29020.5	1,202,005	21854.9	1,010,505	21763.2	1,009,468	21763.2	1,009,468	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KSWB-TV D26 DT BL	23.8	2	11.9	0		
KSWB26P11 D26 DT APP	19.8	0			11.9	0
KVEA D25 DT CP	15.9	2	0.0	0	4.0	2
KSKJ-CD D26 DC CP	15.9	0	11.9	0	11.9	0
KGMC D27 DT CP	52.1	1,035	52.1	1,035	52.1	1,035

Interference to DTVBL7700 BL scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KUVI-DT	D26	DT	BL	BAKERSFIELD, CA	DTVBL7700	
Undesireds:	KSWB-TV	D26	DT	BL	SAN DIEGO, CA	DTVBL58827	347.2 km
	KSWB26P11	D26	DT	APP	SAN DIEGO, CA	kswb26p11	347.2
	KGET-TV	D25	DT	LIC	BAKERSFIELD, CA	BLANK0000007394	0.1
	KVEA	D25	DT	CP	CORONA, CA	BLANK0000034770	148.3
	KMIR-TV	D26	DT	CP	PALM SPRINGS, CA	BLANK0000034640	273.9
	KSKJ-CD	D26	DC	CP	VAN NUYS, CA	BLANK0000034721	149.7
	KGMC	D27	DT	CP	CLOVIS, CA	BLANK0000028225	153.2
	KPOM-CD	D27	DC	APP	ONTARIO, CA	BLANK0000034691	168.4

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	20383.4	960,234	0.00	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KSWB-TV D26 DT BL	7.9	2	4.0	0		
KSWB26P11 D26 DT APP	7.9	2			4.0	0
KGET-TV D25 DT LIC	12.0	0	12.0	0	12.0	0
KVEA D25 DT CP	7.9	2	0.0	0	0.0	0
KSKJ-CD D26 DC CP	4.0	0	0.0	0	0.0	0
KGMC D27 DT CP	48.1	1,035	48.1	1,035	48.1	1,035

INTERFERENCE ANALYSIS FOR KSWB-TV, SAN DIEGO, CA, CHANNEL 26, UNDER POST-REPACK ALLOCATION ENVIRONMENT

Interference to BLANK0000034640 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KMIR-TV	D26	DT	CP	PALM SPRINGS, CA	BLANK0000034640	
Undesireds:	KSWB-TV	D26	DT	BL	SAN DIEGO, CA	DTVBL58827	138.2 km
	KSWB26P11	D26	DT	APP	SAN DIEGO, CA	kswb26p11	138.2
	KVEA	D25	DT	CP	CORONA, CA	BLANK0000034770	155.4
	KUVI-DT	D26	DT	CP	BAKERSFIELD, CA	BLANK0000034321	273.8
	KSKJ-CD	D26	DC	CP	VAN NUYS, CA	BLANK0000034721	154.8
	KVER-CD	D27	DC	CP	INDIO, CA	BLANK0000034462	0.1
	KPOM-CD	D27	DC	APP	ONTARIO, CA	BLANK0000034691	121.9
	XHEXT	D25	DT	LIC	MEXICALI, BN	BLANKBPFS20050721BFG	164.8

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
24915.7	2,760,914	12602.4	730,764	12450.2	717,853	12458.2	717,853	-0.06	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KSWB-TV D26 DT BL	112.2	12,535	84.1	4,073		
KSWB26P11 D26 DT APP	104.2	12,535			76.1	4,073
KVEA D25 DT CP	40.1	8,838	12.0	345	12.0	345
KUVI-DT D26 DT CP	12.0	0	8.0	0	8.0	0
KSKJ-CD D26 DC CP	20.0	31	12.0	0	12.0	0
XHEXT D25 DT LIC	4.0	0	4.0	0	4.0	0

Interference to DTVBL16749 BL scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KMIR-TV	D26	DT	BL	PALM SPRINGS, CA	DTVBL16749	
Undesireds:	KSWB-TV	D26	DT	BL	SAN DIEGO, CA	DTVBL58827	138.2 km
	KSWB26P11	D26	DT	APP	SAN DIEGO, CA	kswb26p11	138.2
	KVEA	D25	DT	CP	CORONA, CA	BLANK0000034770	155.4
	KUVI-DT	D26	DT	CP	BAKERSFIELD, CA	BLANK0000034321	273.8
	KSKJ-CD	D26	DC	CP	VAN NUYS, CA	BLANK0000034721	154.8
	KVER-CD	D27	DC	CP	INDIO, CA	BLANK0000034462	0.1
	KPOM-CD	D27	DC	APP	ONTARIO, CA	BLANK0000034691	121.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
14042.7	862,440	8187.5	515,785	8147.4	512,839	8151.4	512,844	-0.05	-0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
KSWB-TV D26 DT BL	40.1	2,946	40.1	2,946		
KSWB26P11 D26 DT APP	36.1	2,941			36.1	2,941

Interference to BLANK0000034721 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KSKJ-CD	D26	DC	CP	VAN NUYS, CA	BLANK0000034721	
Undesireds:	KSWB-TV	D26	DT	BL	SAN DIEGO, CA	DTVBL58827	198.3 km
	KSWB26P11	D26	DT	APP	SAN DIEGO, CA	kswb26p11	198.3
	KVEA	D25	DT	CP	CORONA, CA	BLANK0000034770	1.4
	KUVI-DT	D26	DT	CP	BAKERSFIELD, CA	BLANK0000034321	149.6
	KMIR-TV	D26	DT	CP	PALM SPRINGS, CA	BLANK0000034640	154.8
	KPOM-CD	D27	DC	APP	ONTARIO, CA	BLANK0000034691	33.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
10998.0	12,308,607	9500.3	11,654,806	8827.4	11,213,415	8911.5	11,240,605	-0.95	-0.24

Undesired	Total IX		Unique IX, before		Unique IX, after	
KSWB-TV D26 DT BL	440.7	112,740	352.5	90,409		
KSWB26P11 D26 DT APP	360.5	85,550			268.3	63,219
KVEA D25 DT CP	296.3	350,982	224.2	328,651	220.2	328,651
KPOM-CD D27 DC APP	24.1	0	8.0	0	8.0	0

INTERFERENCE ANALYSIS FOR KSWB-TV, SAN DIEGO, CA, CHANNEL 26, UNDER POST-REPACK ALLOCATION ENVIRONMENT

Interference to BLANKBPFS20160301ABP LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	XHEBC	D26	DT	LIC	ENSENADA, BN	BLANKBPFS20160301ABP	
Undesireds:	KSWB-TV	D26	DT	BL	SAN DIEGO, CA	DTVBL58827	95.9 km
	KSWB26P11	D26	DT	APP	SAN DIEGO, CA	kswb26p11	95.9
	KMIR-TV	D26	DT	CP	PALM SPRINGS, CA	BLANK0000034640	222.4
	KSKJ-CD	D26	DC	CP	VAN NUYS, CA	BLANK0000034721	292.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
7294.3	353,820	5636.0	342,481	4234.3	342,481	4446.4	342,481	-5.01	0.00

Undesired	Total IX	Unique IX, before		Unique IX, after	
KSWB-TV D26 DT BL	1401.7	0	1393.6	0	
KSWB26P11 D26 DT APP	1189.6	0		1181.5	0
KSKJ-CD D26 DC CP	8.1	0	0.0	0	0.0	0

Interference to BLANKBPFS20160302ADP LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	XHBJ	D27	DT	LIC	TIJUANA, BN	BLANKBPFS20160302ADP	
Undesireds:	KSWB-TV	D26	DT	BL	SAN DIEGO, CA	DTVBL58827	23.7 km
	KSWB26P11	D26	DT	APP	SAN DIEGO, CA	kswb26p11	23.7
	KMIR-TV	D26	DT	CP	PALM SPRINGS, CA	BLANK0000034640	161.9
	KVER-CD	D27	DC	CP	INDIO, CA	BLANK0000034462	161.8
	KPOM-CD	D27	DC	APP	ONTARIO, CA	BLANK0000034691	197.2
	KESQ-TV	D28	DT	CP	PALM SPRINGS, CA	BLANK0000034072	161.8
	XHJK	D28	DT	LIC	TIJUANA, BN	BLANKBPFS20091104ADT	0.1

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
5848.8	2,542,242	5151.2	2,449,279	3937.1	2,037,286	4005.3	2,053,658	-1.73	-0.80(in U.S.)
4815.4	1,742,743	3879.8	1,691,837	2754.8	1,660,862	2928.1	1,660,862	-6.29	0.00

Undesired	Total IX	Unique IX, before		Unique IX, after		
KSWB-TV D26 DT BL	1053.7	395,482	949.5	391,910		(in U.S.)
KSWB26P11 D26 DT APP	937.4	379,110			881.3	375,538 (in U.S.)
KSWB-TV D26 DT BL	794.1	16,812	358.4	16,790		
KSWB26P11 D26 DT APP	584.5	16,812			185.2	16,790
KPOM-CD D27 DC APP	208.5	1,906	128.3	1,473	176.4	1,473 (in U.S.)
KPOM-CD D27 DC APP	16.1	0	0.0	0	0.0	0
XHJK D28 DT LIC	60.1	18,187	28.1	15,028	28.1	15,028 (in U.S.)
XHJK D28 DT LIC	754.5	14,185	326.9	14,163	363.2	14,163
