TECHNICAL SUMMARY
DIGITAL DISPLACEMENT RELIEF
APPLICATION FOR CONSTRUCTION PERMIT
LOW POWER DIGITAL STATION K38ME-D
SANTA MARIA-LOMPOC, CALIFORNIA
CHANNEL 26 6.85 KW (DA)

1. Application Purpose: The instant application is a digital displacement relief application for K38ME-D which is currently authorized to operate on channel 38 at Santa Barbara, California (File No. BMPDTL-20120806AAK).[1] K38ME-D is eligible for displacement relief as it is currently authorized to operate on out-of-core channel 38. Therefore, it is proposed to relocate K38ME-D to an existing tower (ASRN 1032645) and operate on "in core" channel 26 with a directional antenna maximum effective radiated power (ERP) of 6.85 kW using an Alive model ATC-BCH78ER-26, horizontally polarized directional antenna with a main lobe orientation of 270 degrees true and 1.75 degrees of electrical beam tilt. The antenna radiation center height will be 1003.7 m AMSL. There will be no change in the overall structure height.

2. Figure 1 demonstrates that there is overlap of the authorized and proposed 51 dBu, f(50,90) protected contours as required by Section 73.3572(a)(2)(ii) for minor change applications. Furthermore, the site move will be less than the 48 km limit.

3. Interference Compliance: As indicated in the attached *TVStudy* analysis summary, K38ME-D's proposed channel 26 operation meets the FCC's interference protection requirements with respect to all protected facilities. A cell size of 1.0 km and a profile resolution of 1.0 km points/km were utilized for the *TVStudy* analysis.

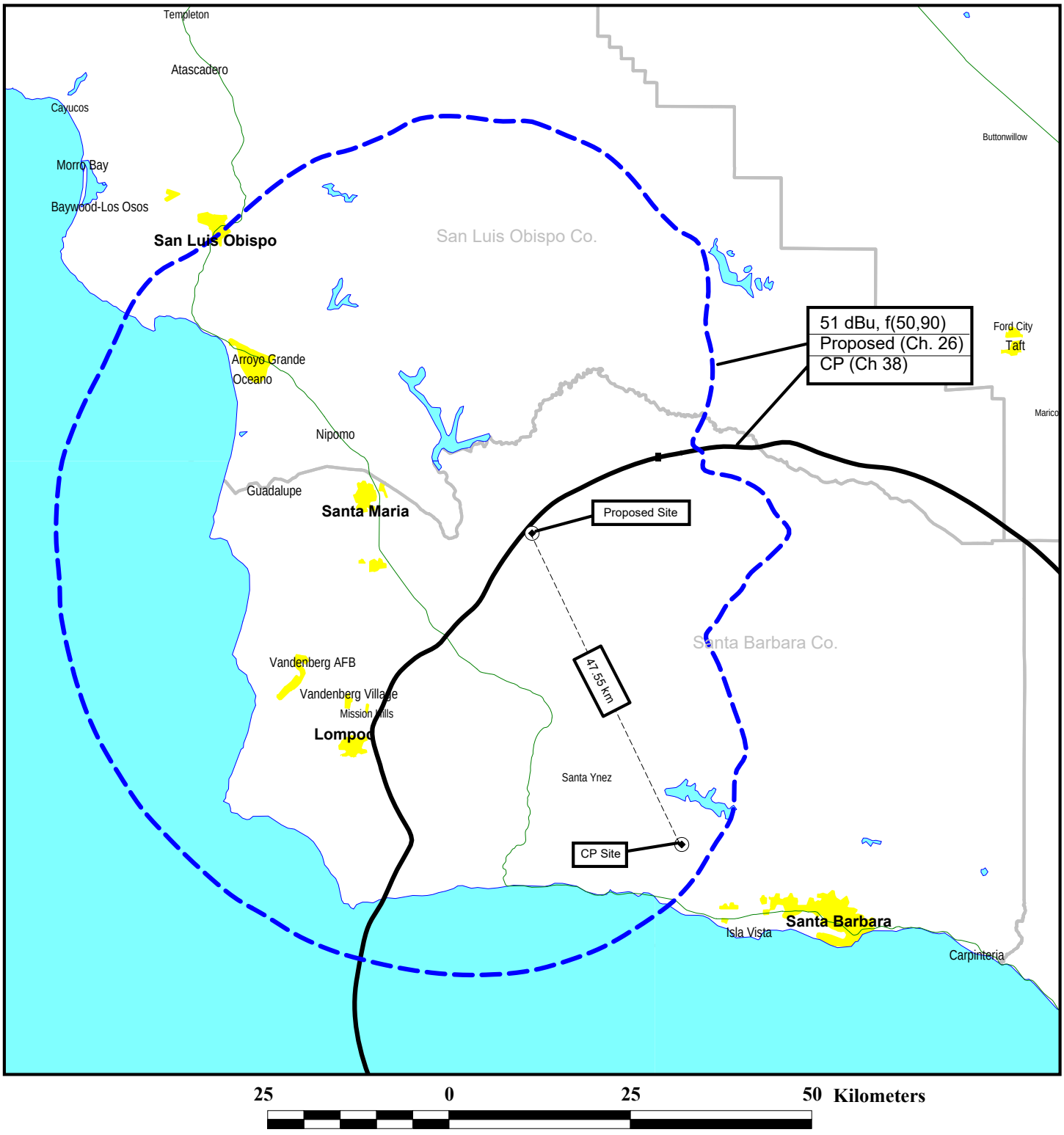
4. RFR Compliance: The proposed facilities were evaluated in terms of potential radiofrequency radiation (RFR) exposure at ground level to workers and the general public. The radiation center for the proposed DTV antenna will be located 13.7 meters above ground level. The total DTV ERP is 6.85 kW (horizontal polarization). A greater than expected vertical plane relative field value of 0.1 is presumed for the antenna's downward

[1] See FCC Public Notice dated March 19, 2019 entitled "*Media Bureau Lifts LPTV and TV Translator Application Filing Freezes Effective April, 18,2019"* (DA 19-183, released March 19, 2019).

radiation (-60° to -90° elevation, see attached vertical plane relative field pattern). The calculated power density at a point 2 meters above ground level is 16.7 uW/cm^2 which is 4.6% of the FCC's recommended limit of 363.3 uW/cm^2 for channel 26 for an uncontrolled environment. Thus, it is believed that the proposed K38ME-D facility is in full compliance with the FCC's requirements with regard to RF radiation exposure.

Access to the transmitting site will be restricted and appropriately marked with RFR warning signs. Furthermore, as this is a multi-user site, a protocol shall be in effect in the event that workers or other authorized personnel enter the restricted area or climb the supporting structure to ensure that appropriate measures will be taken to assure worker safety with respect to RF energy exposure.

Figure 1



FCC PREDICTED 51 DBU CONTOURS

LPTV STATION K38ME-D
SANTA MARIA-LOMPOC, CALIFORNIA
CH 26 6.85 KW (DA)

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Proposed K38ME-D TVStudy Analysis

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: K38ME-D @KCOY Ch 26 #173, Model: Longley-Rice
Start: 2021.05.26 16:38:56

Study created: 2021.05.26 16:38:56

Study build station data: LMS TV 2021-05-25

    Proposal: K38ME-D D26 LD APP SANTA BARBARA, CA
 File number: K38ME-D @KCOY Ch 26
 Facility ID: 182257
Station data: User record
   Record ID: 149
     Country: U.S.

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	K24GS	N24+	TX	LIC	BAKERSFIELD, CA	BLTTL20050118ADI	114.1 km
No	KGET-TV	D25	DT	LIC	BAKERSFIELD, CA	BLANK0000007394	143.9
Yes	KGET-TV	D25	DT	CP	BAKERSFIELD, CA	BLANK0000127615	143.9
No	KVEA	D25	DT	LIC	CORONA, CA	BLANK0000136469	208.6
No	K25QG-D	D25	LD	CP	SANTA BARBARA, CA	BLANK0000071873	67.8
Yes	KLFA-LD	D25	LD	LIC	SANTA MARIA, CA	BLDTL20120411AAJ	19.8
No	KQET	D25	DT	LIC	WATSONVILLE, CA	BLEDT20090624ABV	237.0
Yes	KUVI-DT	D26	DT	LIC	BAKERSFIELD, CA	BLANK0000081232	143.9
No	K26KI-D	D26	LD	CP	BANNING, CA	BNPDTL20090825ACQ	330.5
No	KMRZ-LD	D26	LD	CP	LOS ANGELES, CA	BLANK0000054819	241.5
No	K26MW-D	D26	LD	LIC	LUCERNE VALLEY, CA	BLANK0000116236	266.8
No	KTVU	D26	LD	LIC	OAKLAND, CA	BLANK0000087000	323.7
No	KMIR-TV	D26	DT	LIC	PALM SPRINGS, CA	BLANK0000075143	363.2
Yes	K26MT-D	D26	LD	LIC	PASO ROBLES, CA	BLANK0000088195	95.9
No	KVBC-LP	D26	LD	LIC	REEDLEY, CA	BLDTL20140403ABH	249.9
No	KZGN-LD	D26	LD	LIC	RIDGECREST, CA	BLANK0000141532	241.6
Yes	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577	237.0
No	KVSD-LD	D26	LD	LIC	SAN DIEGO, CA	BLDTL20130828AFL	364.0
No	KSWB-TV	D26	DT	LIC	SAN DIEGO, CA	BLANK0000068712	388.2
Yes	K26FT-D	D26	LD	LIC	SANTA BARBARA, CA	BLDTT20110106AAI	67.8
No	KTFK-DT	D26	DT	LIC	STOCKTON, CA	BLCDT20110819ABS	388.3
No	KSKJ-CD	D26	DC	LIC	VAN NUYS, CA	BLANK0000071612	209.4
No	KEBK-LD	D27	LD	LIC	BAKERSFIELD, CA	BLANK0000117286	156.8
No	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000073456	249.7
No	KEDD-LD	D27	LD	CP	LOS ANGELES, CA	BLANK0000054820	178.5
No	KTBV-LD	D27	LD	LIC	LOS ANGELES, CA	BLANK0000133940	135.9
No	KPOM-CD	D27	DC	CP	ONTARIO, CA	BLANK0000136453	209.3
Yes	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	47.6

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
       Mask: Full Service
   Latitude: 34 54 37.00 N (NAD83)
  Longitude: 120 11 13.00 W
Height AMSL: 1003.7 m
       HAAT: 0.0 m
   Peak ERP: 6.85 kW
    Antenna: ALIVE ATC-BCH78ER-26 (ID 44568) 270.0 deg
Elev Pattrn: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	3.60 kW	536.6 m	58.2 km
45.0	0.330	308.6	36.3
90.0	0.148	475.5	36.9
135.0	0.330	520.7	43.3
180.0	3.60	696.7	61.8
225.0	6.77	728.7	66.7
270.0	6.85	748.9	67.2
315.0	6.77	502.2	61.1

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m   Computed HAAT: 565 m

Distance to Canadian border: 1505.5 km

Distance to Mexican border: 360.3 km

Conditions at FCC monitoring station: Livermore CA
Bearing: 336.3 degrees Distance: 342.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 61.8 degrees Distance: 1435.8 km

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 BLANK0000127615 CP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KGET-TV	D25	DT	CP	BAKERSFIELD, CA	BLANK0000127615	
Undesireds:	K38ME-D	D26	LD	APP	SANTA BARBARA, CA	K38ME-D @KCOY Ch 26	143.9 km
	KPXN-TV	D24	DT	LIC	SAN BERNARDINO, CA	BLANK0000068510	148.0
	KVEA	D25	DT	LIC	CORONA, CA	BLANK0000136469	148.2
	KOVR	D25	DT	LIC	STOCKTON, CA	BLANK0000116263	396.6
	KQET	D25	DT	LIC	WATSONVILLE, CA	BLEDT20090624ABV	288.1
	KUVI-DT	D26	DT	LIC	BAKERSFIELD, CA	BLANK0000081232	0.0
	KSKJ-CD	D26	DC	LIC	VAN NUYS, CA	BLANK0000071612	149.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
36309.1	1,798,178	26530.6	1,204,755	26186.2	1,202,413	26183.2	1,202,413	0.01	0.00

Undesired	Total IX		Unique IX, before		Unique IX, after	
K38ME-D D26 LD APP	3.0	0			3.0	0
KPXN-TV D24 DT LIC	12.0	0	1.0	0	1.0	0
KVEA D25 DT LIC	340.4	2,342	327.3	2,341	327.3	2,341
KOVR D25 DT LIC	1.0	1	0.0	0	0.0	0
KQET D25 DT LIC	3.0	0	2.0	0	2.0	0
KUVI-DT D26 DT LIC	1.0	0	1.0	0	1.0	0
KSKJ-CD D26 DC LIC	1.0	0	0.0	0	0.0	0

Interference to BLDTL20120411AAJ LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KLFA-LD	D25	LD	LIC	SANTA MARIA, CA	BLDTL20120411AAJ	
Undesireds:	K38ME-D	D26	LD	APP	SANTA BARBARA, CA	K38ME-D @KCOY Ch 26	19.8 km
	K24KE-D	D24	LD	CP	SANTA MARIA, CA	BNPDTL20100420AHR	11.1
	KGET-TV	D25	DT	LIC	BAKERSFIELD, CA	BLANK0000007394	163.7
	K25QG-D	D25	LD	CP	SANTA BARBARA, CA	BLANK0000071873	76.4
	K25AD-D	D25	LD	LIC	VICTORVILLE, ETC., CA	BLANK0000137803	283.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
7755.8	341,106	5979.7	310,952	5956.7	310,952	5897.8	306,040	0.99	1.58

Undesired	Total IX		Unique IX, before		Unique IX, after	
K38ME-D D26 LD APP	63.9	4,912			58.9	4,912
K24KE-D D24 LD CP	5.0	0	4.0	0	4.0	0
KGET-TV D25 DT LIC	17.0	0	16.0	0	12.0	0
K25QG-D D25 LD CP	2.0	0	2.0	0	2.0	0

Interference to BLDTL20120411AAJ LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KLFA-LD	D25	LD	LIC	SANTA MARIA, CA	BLDTL20120411AAJ	
Undesireds:	K38ME-D	D26	LD	APP	SANTA BARBARA, CA	K38ME-D @KCOY Ch 26	19.8 km
	K24KE-D	D24	LD	CP	SANTA MARIA, CA	BNPDTL20100420AHR	11.1
	KGET-TV	D25	DT	CP	BAKERSFIELD, CA	BLANK0000127615	163.7
	K25QG-D	D25	LD	CP	SANTA BARBARA, CA	BLANK0000071873	76.4
	K25AD-D	D25	LD	LIC	VICTORVILLE, ETC., CA	BLANK0000137803	283.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
7755.8	341,106	5979.7	310,952	5904.7	309,317	5856.7	304,405	0.81	1.59

Undesired		Total IX		Unique IX, before		Unique IX, after	
K38ME-D D26 LD APP	63.9	4,912				47.9	4,912
K24KE-D D24 LD CP	5.0	0		4.0	0	4.0	0
KGET-TV D25 DT CP	70.0	1,635		68.0	1,635	53.0	1,635
K25QG-D D25 LD CP	2.0	0		1.0	0	1.0	0

Interference to BLANK0000081232 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KUVI-DT	D26	DT	LIC	BAKERSFIELD, CA	BLANK0000081232	
Undesireds:	K38ME-D	D26	LD	APP	SANTA BARBARA, CA	K38ME-D @KCOY Ch 26	143.9 km
	KGET-TV	D25	DT	LIC	BAKERSFIELD, CA	BLANK0000007394	0.0
	KVEA	D25	DT	LIC	CORONA, CA	BLANK0000136469	148.2
	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577	288.0
	KSWB-TV	D26	DT	LIC	SAN DIEGO, CA	BLANK0000068712	347.1
	KSKJ-CD	D26	DC	LIC	VAN NUYS, CA	BLANK0000071612	149.6
	KPOM-CD	D27	DC	LIC	ONTARIO, CA	BLANK0000080302	168.3
	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	150.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
29076.4	1,206,616	21726.0	1,000,153	21674.9	999,813	21663.9	999,813	0.05	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
K38ME-D D26 LD APP	11.0	0				11.0	0
KGET-TV D25 DT LIC	1.0	15		1.0	15	1.0	15
KVEA D25 DT LIC	21.1	2		8.0	2	8.0	2
KDJT-CD D26 DC LIC	1.0	0		1.0	0	1.0	0
KSWB-TV D26 DT LIC	18.0	323		8.0	323	8.0	323
KSKJ-CD D26 DC LIC	27.1	0		16.0	0	16.0	0
KEYT-TV D27 DT LIC	2.0	0		2.0	0	2.0	0

Interference to BLANK0000081232 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KUVI-DT	D26	DT	LIC	BAKERSFIELD, CA	BLANK0000081232	
Undesireds:	K38ME-D	D26	LD	APP	SANTA BARBARA, CA	K38ME-D @KCOY Ch 26	143.9 km
	KGET-TV	D25	DT	CP	BAKERSFIELD, CA	BLANK0000127615	0.0
	KVEA	D25	DT	LIC	CORONA, CA	BLANK0000136469	148.2
	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577	288.0
	KSWB-TV	D26	DT	LIC	SAN DIEGO, CA	BLANK0000068712	347.1
	KSKJ-CD	D26	DC	LIC	VAN NUYS, CA	BLANK0000071612	149.6
	KPOM-CD	D27	DC	LIC	ONTARIO, CA	BLANK0000080302	168.3
	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	150.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
29076.4	1,206,616	21726.0	1,000,153	21648.8	997,963	21637.9	997,963	0.05	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
K38ME-D D26 LD APP	11.0	0				11.0	0
KGET-TV D25 DT CP	28.1	1,865		27.1	1,865	27.1	1,865
KVEA D25 DT LIC	21.1	2		8.0	2	8.0	2
KDJT-CD D26 DC LIC	1.0	0		1.0	0	1.0	0
KSWB-TV D26 DT LIC	18.0	323		8.0	323	8.0	323
KSKJ-CD D26 DC LIC	27.1	0		15.0	0	15.0	0
KEYT-TV D27 DT LIC	2.0	0		2.0	0	2.0	0

Interference to BLANK0000088195 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K26MT-D	D26	LD	LIC	PASO ROBLES, CA	BLANK0000088195	
Undesireds:	K38ME-D	D26	LD	APP	SANTA BARBARA, CA	K38ME-D @KCOY Ch 26	95.9 km
	KUVI-DT	D26	DT	LIC	BAKERSFIELD, CA	BLANK0000081232	182.2
	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577	141.2

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
2415.9	89,382	2207.9	88,271	2164.1	87,620	2158.2	87,620	0.28	0.00

Undesired		Total IX		Unique IX, before		Unique IX, after	
K38ME-D D26 LD APP	10.9	313				6.0	0

KUVI-DT D26 DT LIC 17.9 332 17.9 332 14.9 19
KDJT-CD D26 DC LIC 25.9 319 25.9 319 23.9 319

Interference to BLANK0000071577 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KDJT-CD	D26	DC	LIC	SALINAS/MONTEREY,ETC, CA	BLANK0000071577	
Undesireds:	K38ME-D	D26	LD	APP	SANTA BARBARA, CA	K38ME-D @KCOY Ch 26	237.0 km
	KUVI-DT	D26	DT	LIC	BAKERSFIELD, CA	BLANK0000081232	288.0
	KTFK-DT	D26	DT	LIC	STOCKTON, CA	BLCDT20110819ABS	164.9
	KREN-TV	D26	DT	LIC	RENO, NV	BLCDT20090227AAM	317.5
	KPJK	D27	DT	LIC	SAN MATEO, CA	BLANK0000108410	139.3

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
13362.3	1,587,068	10475.5	901,923	10434.6	883,066	10433.6	883,063	0.01	0.00

Undesired	Total IX	Unique IX, before		Unique IX, after	
K38ME-D D26 LD APP	1.0	3		1.0	3
KUVI-DT D26 DT LIC	7.0	0	2.0	0	2.0	0
KTFK-DT D26 DT LIC	18.0	3	14.0	3	14.0	3
KREN-TV D26 DT LIC	3.0	0	2.0	0	2.0	0
KPJK D27 DT LIC	17.9	18,854	17.9	18,854	17.9	18,854

Interference to BLDTT20110106AAI LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K26FT-D	D26	LD	LIC	SANTA BARBARA, CA	BLDTT20110106AAI	
Undesireds:	K38ME-D	D26	LD	APP	SANTA BARBARA, CA	K38ME-D @KCOY Ch 26	67.8 km
	KSWB-TV	D26	DT	LIC	SAN DIEGO, CA	BLANK0000068712	321.2
	KSKJ-CD	D26	DC	LIC	VAN NUYS, CA	BLANK0000071612	151.0
	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	26.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
2595.7	220,347	2518.2	213,951	1616.6	213,670	1614.6	213,669	0.12	0.00

Undesired	Total IX	Unique IX, before		Unique IX, after	
K38ME-D D26 LD APP	4.0	1		2.0	1
KSWB-TV D26 DT LIC	1.0	109	0.0	0	0.0	0
KSKJ-CD D26 DC LIC	866.3	142	822.9	98	820.9	98
KEYT-TV D27 DT LIC	78.6	183	34.3	30	34.3	30

Interference to BLCDT20061102ABJ LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	
Undesireds:	K38ME-D	D26	LD	APP	SANTA BARBARA, CA	K38ME-D @KCOY Ch 26	47.6 km
	KUVI-DT	D26	DT	LIC	BAKERSFIELD, CA	BLANK0000081232	150.3
	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000073456	287.0
	KPOM-CD	D27	DC	LIC	ONTARIO, CA	BLANK0000080302	210.6
	KCET	D28	DT	CP	LOS ANGELES, CA	BLANK0000109203	177.1
	KVMM-CD	D28	DC	LIC	SANTA BARBARA, CA	BLANK0000054369	26.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39195.4	1,418,633	30814.0	1,241,763	29167.6	1,220,959	28962.9	1,218,443	0.70	0.21

Undesired	Total IX	Unique IX, before		Unique IX, after	
K38ME-D D26 LD APP	215.7	2,516		204.7	2,516
KUVI-DT D26 DT LIC	8.0	7	3.0	0	3.0	0
KNSO D27 DT LIC	150.9	221	141.9	214	130.9	214
KPOM-CD D27 DC LIC	1302.8	6,393	1006.9	4,488	1006.9	4,488
KCET D28 DT CP	81.5	11,311	62.5	9,406	62.5	9,406
KVMM-CD D28 DC LIC	407.1	4,784	128.3	4,784	128.3	4,784

Interference to BLCDT20061102ABJ LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	
Undesireds:	K38ME-D	D26	LD	APP	SANTA BARBARA, CA	K38ME-D @KCOY Ch 26	47.6 km
	KUVI-DT	D26	DT	LIC	BAKERSFIELD, CA	BLANK0000081232	150.3
	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000073456	287.0
	KPOM-CD	D27	DC	LIC	ONTARIO, CA	BLANK0000080302	210.6

	Call	Chan	Svc	Status	City, State	File Number	Distance
	KCET	D28	DT	LIC	LOS ANGELES, CA	BLANK0000055363	177.1
	KVMM-CD	D28	DC	LIC	SANTA BARBARA, CA	BLANK0000054369	26.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39195.4	1,418,633	30814.0	1,241,763	29197.8	1,225,954	28993.2	1,223,438	0.70	0.21

Undesired	Total IX		Unique IX, before		Unique IX, after	
K38ME-D D26 LD APP	215.7	2,516			204.7	2,516
KUVI-DT D26 DT LIC	8.0	7	3.0	0	3.0	0
KNSO D27 DT LIC	150.9	221	141.9	214	130.9	214
KPOM-CD D27 DC LIC	1302.8	6,393	1010.0	5,045	1010.0	5,045
KCET D28 DT LIC	48.3	5,759	32.2	4,411	32.2	4,411
KVMM-CD D28 DC LIC	407.1	4,784	128.3	4,784	128.3	4,784

Interference to BLCDT20061102ABJ LIC scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	
Undesireds:	K38ME-D	D26	LD	APP	SANTA BARBARA, CA	K38ME-D @KCOY Ch 26	47.6 km
	KUVI-DT	D26	DT	LIC	BAKERSFIELD, CA	BLANK0000081232	150.3
	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000073456	287.0
	KPOM-CD	D27	DC	CP	ONTARIO, CA	BLANK0000136453	177.4
	KCET	D28	DT	CP	LOS ANGELES, CA	BLANK0000109203	177.1
	KVMM-CD	D28	DC	LIC	SANTA BARBARA, CA	BLANK0000054369	26.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39195.4	1,418,633	30814.0	1,241,763	29410.9	1,221,157	29206.2	1,218,641	0.70	0.21

Undesired	Total IX		Unique IX, before		Unique IX, after	
K38ME-D D26 LD APP	215.7	2,516			204.7	2,516
KUVI-DT D26 DT LIC	8.0	7	3.0	0	3.0	0
KNSO D27 DT LIC	150.9	221	142.9	214	131.9	214
KPOM-CD D27 DC CP	1006.2	10,888	763.6	4,290	763.6	4,290
KCET D28 DT CP	81.5	11,311	60.4	4,713	60.4	4,713
KVMM-CD D28 DC LIC	407.1	4,784	182.6	4,784	182.6	4,784

Interference to BLCDT20061102ABJ LIC scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	
Undesireds:	K38ME-D	D26	LD	APP	SANTA BARBARA, CA	K38ME-D @KCOY Ch 26	47.6 km
	KUVI-DT	D26	DT	LIC	BAKERSFIELD, CA	BLANK0000081232	150.3
	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000073456	287.0
	KPOM-CD	D27	DC	CP	ONTARIO, CA	BLANK0000136453	177.4
	KCET	D28	DT	LIC	LOS ANGELES, CA	BLANK0000055363	177.1
	KVMM-CD	D28	DC	LIC	SANTA BARBARA, CA	BLANK0000054369	26.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39195.4	1,418,633	30814.0	1,241,763	29440.2	1,225,236	29235.5	1,222,720	0.70	0.21

Undesired	Total IX		Unique IX, before		Unique IX, after	
K38ME-D D26 LD APP	215.7	2,516			204.7	2,516
KUVI-DT D26 DT LIC	8.0	7	3.0	0	3.0	0
KNSO D27 DT LIC	150.9	221	142.9	214	131.9	214
KPOM-CD D27 DC CP	1006.2	10,888	767.7	5,763	767.7	5,763
KCET D28 DT LIC	48.3	5,759	31.2	634	31.2	634
KVMM-CD D28 DC LIC	407.1	4,784	182.6	4,784	182.6	4,784

Interference to BLCDT20061102ABJ LIC scenario 5

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	
Undesireds:	K38ME-D	D26	LD	APP	SANTA BARBARA, CA	K38ME-D @KCOY Ch 26	47.6 km
	KUVI-DT	D26	DT	LIC	BAKERSFIELD, CA	BLANK0000081232	150.3
	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000073456	287.0
	KPOM-CD	D27	DC	LIC	ONTARIO, CA	BLANK0000080302	210.6
	KCET	D28	DT	CP	LOS ANGELES, CA	BLANK0000109203	177.1
	KVMM-CD	D28	DC	CP	SANTA BARBARA, CA	BLANK0000127520	26.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39195.4	1,418,633	30814.0	1,241,763	29253.8	1,223,897	29049.1	1,221,381	0.70	0.21

Undesired	Total IX	Unique IX, before	Unique IX, after

K38ME-D D26 LD APP	215.7	2,516			204.7	2,516	
KUVI-DT D26 DT LIC	8.0	7	3.0	0	3.0	0	
KNSO D27 DT LIC	150.9	221	141.9	214	130.9	214	
KPOM-CD D27 DC LIC	1302.8	6,393	1111.7	4,488	1111.7	4,488	
KCET D28 DT CP	81.5	11,311	62.5	9,406	62.5	9,406	
KVMM-CD D28 DC CP	216.1	1,846	42.1	1,846	42.1	1,846	

Interference to BLCDT20061102ABJ LIC scenario 6

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	
Undesireds:	K38ME-D	D26	LD	APP	SANTA BARBARA, CA	K38ME-D @KCOY Ch 26	47.6 km
	KUVI-DT	D26	DT	LIC	BAKERSFIELD, CA	BLANK0000081232	150.3
	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000073456	287.0
	KPOM-CD	D27	DC	LIC	ONTARIO, CA	BLANK0000080302	210.6
	KCET	D28	DT	LIC	LOS ANGELES, CA	BLANK0000055363	177.1
	KVMM-CD	D28	DC	CP	SANTA BARBARA, CA	BLANK0000127520	26.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39195.4	1,418,633	30814.0	1,241,763	29284.1	1,228,892	29079.4	1,226,376	0.70	0.20

Undesired		Total IX		Unique IX, before		Unique IX, after	
K38ME-D D26 LD APP	215.7	2,516			204.7	2,516	
KUVI-DT D26 DT LIC	8.0	7	3.0	0	3.0	0	
KNSO D27 DT LIC	150.9	221	141.9	214	130.9	214	
KPOM-CD D27 DC LIC	1302.8	6,393	1114.7	5,045	1114.7	5,045	
KCET D28 DT LIC	48.3	5,759	32.2	4,411	32.2	4,411	
KVMM-CD D28 DC CP	216.1	1,846	42.1	1,846	42.1	1,846	

Interference to BLCDT20061102ABJ LIC scenario 7

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	
Undesireds:	K38ME-D	D26	LD	APP	SANTA BARBARA, CA	K38ME-D @KCOY Ch 26	47.6 km
	KUVI-DT	D26	DT	LIC	BAKERSFIELD, CA	BLANK0000081232	150.3
	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000073456	287.0
	KPOM-CD	D27	DC	CP	ONTARIO, CA	BLANK0000136453	177.4
	KCET	D28	DT	CP	LOS ANGELES, CA	BLANK0000109203	177.1
	KVMM-CD	D28	DC	CP	SANTA BARBARA, CA	BLANK0000127520	26.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39195.4	1,418,633	30814.0	1,241,763	29533.7	1,224,095	29329.0	1,221,579	0.69	0.21

Undesired		Total IX		Unique IX, before		Unique IX, after	
K38ME-D D26 LD APP	215.7	2,516			204.7	2,516	
KUVI-DT D26 DT LIC	8.0	7	3.0	0	3.0	0	
KNSO D27 DT LIC	150.9	221	142.9	214	131.9	214	
KPOM-CD D27 DC CP	1006.2	10,888	831.8	4,290	831.8	4,290	
KCET D28 DT CP	81.5	11,311	60.4	4,713	60.4	4,713	
KVMM-CD D28 DC CP	216.1	1,846	59.8	1,846	59.8	1,846	

Interference to BLCDT20061102ABJ LIC scenario 8

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	
Undesireds:	K38ME-D	D26	LD	APP	SANTA BARBARA, CA	K38ME-D @KCOY Ch 26	47.6 km
	KUVI-DT	D26	DT	LIC	BAKERSFIELD, CA	BLANK0000081232	150.3
	KNSO	D27	DT	LIC	CLOVIS, CA	BLANK0000073456	287.0
	KPOM-CD	D27	DC	CP	ONTARIO, CA	BLANK0000136453	177.4
	KCET	D28	DT	LIC	LOS ANGELES, CA	BLANK0000055363	177.1
	KVMM-CD	D28	DC	CP	SANTA BARBARA, CA	BLANK0000127520	26.6

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
39195.4	1,418,633	30814.0	1,241,763	29562.9	1,228,174	29358.2	1,225,658	0.69	0.20

Undesired		Total IX		Unique IX, before		Unique IX, after	
K38ME-D D26 LD APP	215.7	2,516			204.7	2,516	
KUVI-DT D26 DT LIC	8.0	7	3.0	0	3.0	0	
KNSO D27 DT LIC	150.9	221	142.9	214	131.9	214	
KPOM-CD D27 DC CP	1006.2	10,888	835.9	5,763	835.9	5,763	
KCET D28 DT LIC	48.3	5,759	31.2	634	31.2	634	
KVMM-CD D28 DC CP	216.1	1,846	59.8	1,846	59.8	1,846	

Interference to proposal scenario 1
5.69% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	K38ME-D	D26	LD	APP	SANTA BARBARA, CA	K38ME-D @KCOY Ch 26	
Undesireds:	KLFA-LD	D25	LD	LIC	SANTA MARIA, CA	BLDTL20120411AAJ	19.8 km
	KUVI-DT	D26	DT	LIC	BAKERSFIELD, CA	BLANK0000081232	143.9
	K26MT-D	D26	LD	LIC	PASO ROBLES, CA	BLANK0000088195	95.9
	KVBC-LP	D26	LD	LIC	REEDLEY, CA	BLDTL20140403ABH	249.9
	K26FT-D	D26	LD	LIC	SANTA BARBARA, CA	BLDTT20110106AAI	67.8
	KSKJ-CD	D26	DC	LIC	VAN NUYS, CA	BLANK0000071612	209.4
	KEYT-TV	D27	DT	LIC	SANTA BARBARA, CA	BLCDT20061102ABJ	47.6

Service area		Terrain-limited		IX-free		Percent IX	
9457.1	344,643	6896.6	327,405	6561.1	308,761	4.86	5.69

Undesired	Total IX		Unique IX		Prcnt Unique IX	
KLFA-LD D25 LD LIC	215.3	4,961	134.3	2,910	1.95	0.89
KUVI-DT D26 DT LIC	40.0	0	10.0	0	0.14	0.00
K26MT-D D26 LD LIC	7.0	5	7.0	5	0.10	0.00
KVBC-LP D26 LD LIC	1.0	0	0.0	0	0.00	0.00
K26FT-D D26 LD LIC	1.0	0	1.0	0	0.01	0.00
KSKJ-CD D26 DC LIC	1.0	0	0.0	0	0.00	0.00
KEYT-TV D27 DT LIC	182.3	15,729	84.2	13,678	1.22	4.18

Elevation pattern -5 to 90

