

TECHNICAL EXHIBIT
APPLICATION FOR CONSTRUCTION PERMIT
FCC FILE NO. BLTVA-20010625ABA
CLASS A TV STATION KFAZ-CA
FACILITY ID 68406
VISALIA, CALIFORNIA
CH 8 3 KW (MAX-DA)

Technical Narrative

The technical exhibit of which this narrative is part was prepared in support of an application for construction permit for Class A TV station KFAZ-CA at Visalia, California (Facility ID: 68406; File No. BLTVA-20010625ABA). Specifically, this application proposes to change transmitter site, increase the antenna radiation center height above mean sea level from 363 meters to 1772 meters, increase the effective radiated power (ERP) from 0.32 kW to 3 kW and modify the antenna system. No other changes are proposed, including no change in channel (8), frequency offset designation (-) or community of license (Visalia). As detailed below, this application is considered a "minor change" in facilities pursuant to Section 73.3572.

The proposal would not be subject to environmental processing in accordance with Section 1.1306. It is proposed to side-mount the directional antenna on an existing 39 meter supporting structure (Antenna Structure Registration Number 1065031). It is believed that the instant application conforms with all other applicable rules and regulations of the Federal Communications Commission.

Proposed Facilities

It is proposed to operate on KFAZ-CA'S current channel 8 (180-186 MHz) with a "minus" carrier frequency offset using a Jampro "off-the-shelf" model JHD-LV2-2/1(2) directional antenna (FCC antenna ID 38131) oriented at 260° true. The maximum ERP will be 3 kW. The antenna will be mounted at the 30 meter level on the existing tower (antenna structure registration number 1065031).

Minor Change Application

Figure 1 depicts the authorized and herein proposed 68 dBu contours for KFAZ-CA. As indicated, the proposed 68 dBu contour encompasses a portion of the authorized 68 dBu contour. Therefore, the proposed modification is considered a "minor" change in facilities pursuant to Section 73.3572.

Response to Paragraph 11 - TV Broadcast Analog Protection

A study has been conducted using the provisions of Section 74.705 which indicates that the proposed KFAZ-CA operation will not create prohibited interference to other existing, authorized or proposed NTSC full-power stations with the exception of KSBW on channel 8 at Salinas, California (BLCT-20020424AAN). However, based on the provisions of the OET-69 Bulletin as permitted by FCC rules [Section 74.705(e)], it is believed that KFAZ-CA's proposed operation complies with the FCC's interference criteria towards KSBW. Specifically, calculations have been made using the procedures outlined in the FCC's OET-69 Bulletin and a 2 square kilometer grid. The results of the OET Bulletin No. 69 are tabulated on Figure 2 and, as indicated, the proposal complies with the FCC's 0.5% interference threshold towards KSBW.¹ It is noted that the study considers the effect of "masking" from other authorized stations.

Response to Paragraph 11 - DTV Station and DTV Table of Allotments Protection

Calculations based on OET Bulletin No. 69 indicate that the proposed KFAZ-CA operation on channel 8 complies with the FCC's 0.5% interference threshold criteria to all allotted, proposed or actual DTV operating facilities on channels 7, 8 and 9. Figure 3 provides the output of the study based on OET-

¹ The du Treil, Lundin & Rackley, Inc. DTV interference analysis program is based on the program and procedures outlined by the FCC in the Sixth Report and Order; subsequent Memorandum Opinion and Order; and FCC OET Bulletin No. 69. A nominal grid size resolution of 2 km was employed. A Sun based processor computer system was employed. The results have been found to be in very close agreement with the results of the FCC implementation of OET Bulletin No. 69.

69 Bulletin which demonstrates that the proposed KFAZ-CA operation complies with the FCC's DTV interference criteria.

Response to Paragraph 11 - LPTV, TV Translator, Class A TV and Digital Class A Protection

A study has been conducted which indicates that the KFAZ-CA proposal will not create prohibited interference to other existing, authorized or proposed LPTV, TV Translator, Class A and Digital Class A stations with the exceptions of the following:

K07HA, Ch. 7, Camp Nelson, CA (License, BLTTVV-4208)
K08MM, Ch. 8, Bakersfield, CA (BLTVA-20011128ACU)
K08MM, Ch. 8, Bakersfield, CA (BPTVL-19980601SD)
K08FX, Ch. 8, Lake Isabella, CA (BLTTV-3865)
K09VI, Ch. 9, Springville, CA (BLTTV-19910301JR)
New, Ch. 8, Caliente, CA (BNPTVL-20000831CCA)

However, based on the provisions of the OET-69 Bulletin as permitted by FCC rules [Section 74.707(e)] it is believed that KFAZ-CA's proposed operation complies with the FCC's interference criteria towards these stations. Specifically, calculations have been made using the procedures outlined in the FCC's OET-69 Bulletin and a 2 square kilometer grid. The results of the OET Bulletin No. 69 study are tabulated on Figure 4 and, as indicated, the proposal complies with the FCC's 0.5% interference threshold.

Response to Paragraph 11 - Land Mobile Station Protection

The proposed KFAZ-CA operation complies with the FCC's interference requirements to all pertinent land mobile radio service (LMRS) stations.

Response to Paragraph 12 - Environmental Protection Act

The proposed KFAZ-CA LPTV facilities were evaluated in terms of potential radiofrequency radiation exposure at ground level in accordance with OST Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation." The calculated power density at the base of the tower was calculated using the appropriate equation on Page 13 of the Bulletin.

Using a greater than expected vertical relative field value of 0.35 towards the tower base, a maximum visual effective radiated power of 3 kilowatts and 10 percent aural power, the calculated power density at 2 meters above ground level at the base of the tower is 0.0078 milliwatt per square centimeter (mW/cm^2), or 3.9 percent of the Commission's recommended limit applicable to general population/uncontrolled exposure areas ($0.20 \text{ mW}/\text{cm}^2$ for TV channel 8) and 0.78 percent of the Commission's recommended limit applicable to controlled exposure areas ($1.0 \text{ mW}/\text{cm}^2$ for TV channel 8). Therefore, it is believed that the proposal will comply with the RF emission rules. If necessary, measurements will be made to substantiate compliance with the RF emission rules.

Access to the transmitting site will be restricted and appropriately marked with warning signs. Furthermore, as this is a multi-user site, an agreement will be in effect in the event that workers or other authorized personnel enter the restricted area or climb the tower to ensure that 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.

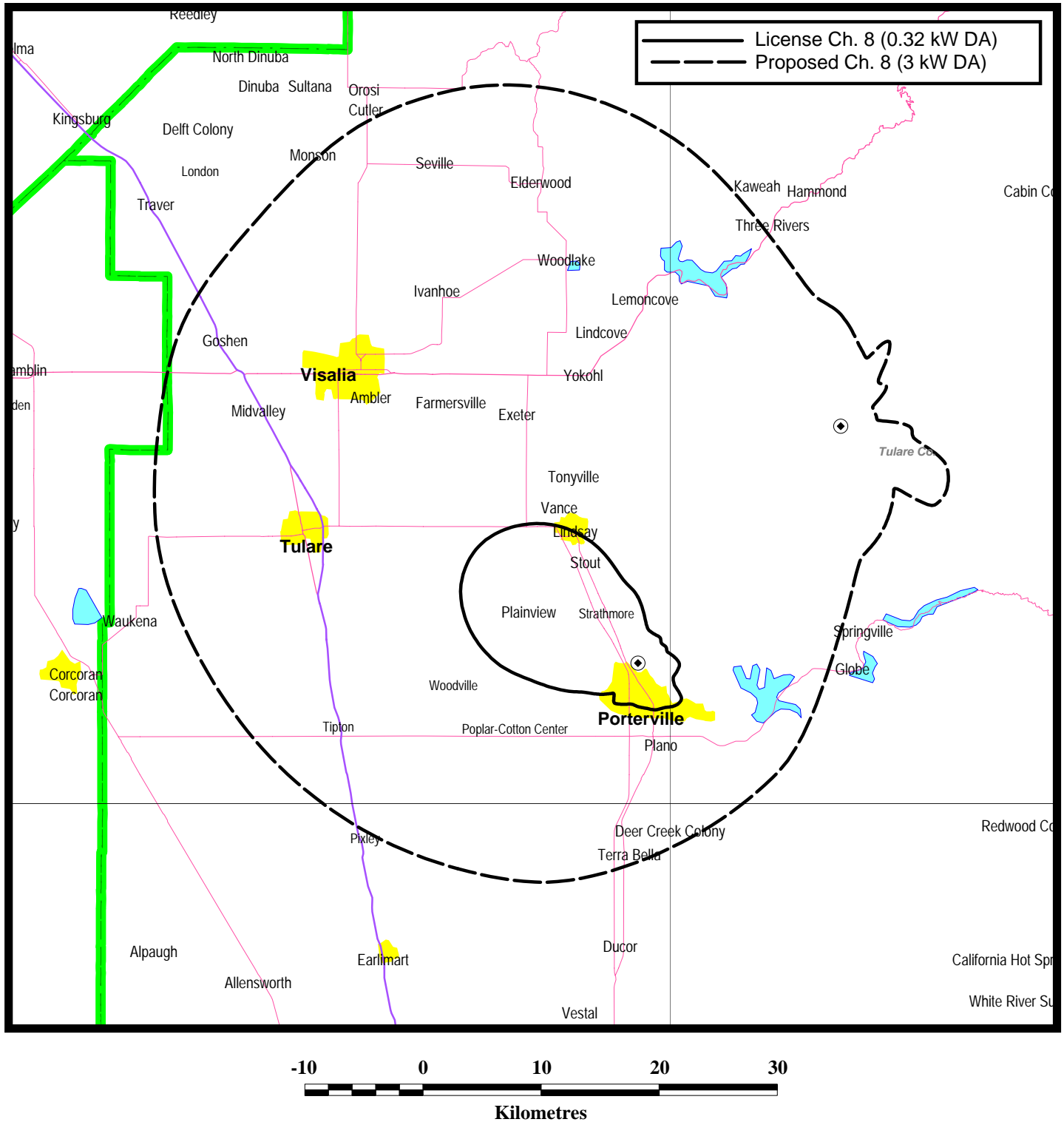
In addition, it appears that the existing tower is otherwise excluded from environmental processing as it complies with all the criteria for such an exclusion in Section 1.1306.

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Figure 1



PREDICTED 68 DBU CONTOURS

CLASS A STATION KFAZ-CA
VISALIA, CALIFORNIA
CH 8 3 KW (MAX-DA)

OET-69 NTSC INTERFERENCE RECEIVED STUDY

CELL SIZE : 2.00
Using offset in determining thresholds
Per 6th Report & Order and FCC OET-69 Bulletin

KSBW 36-45-23 121-30-05 8(+) 224.000 kw 1048 m 50.0 % 56.0 dBu
SALINAS CA 26635 2944 FCC NTSC BL: 6442897 FCC IX POP%: 0.0
LIC BLCT20020424AAN

Using DEFAULT vertical antenna pattern

	Area	Pop
within Noise Limited Contour	46158.63	4027975
not affected by terrain losses	33582.70	2943669

KFAZ-CA 36-17-14 118-50-17 8(-) 3.000 kw 1742 m DA 10.0 % 68.0 dBu
VISALIA CA
Proposed

1.00	0.97	0.90	0.79	0.65	0.51	0.36	0.24	0.13	0.08	0.07	0.06
0.05	0.08	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.08
0.05	0.06	0.07	0.08	0.13	0.24	0.36	0.51	0.65	0.79	0.90	0.97

Ref Az: 260.0

Using DEFAULT vertical antenna pattern

D/U Baseline: 28.00

	Area	Pop
Interference	3823.43	109607(2.7 FCC - 1.7)

KGO-TV 37-45-20 122-27-05 7(-) 316.000 kw 540 m 10.0 % 56.0 dBu
SAN FRANCISCO CA 31509 5866 FCC NTSC BL: 6766388 FCC IX POP%: 1.5
LIC BLCT2339

Using DEFAULT vertical antenna pattern

D/U Baseline: -3.00

	Area	Pop
Interference	1845.38	1554631(38.6 FCC - 24.1)

KFWU 39-41-38 123-34-43 8(-) 224.000 kw 1328 m DA 10.0 % 56.0 dBu
FORT BRAGG CA 26639 96 FCC NTSC BL: 166169 FCC IX POP%: 0.0
LIC BLCT19900315KE

0.86	0.66	0.43	0.40	0.40	0.37	0.37	0.40	0.40	0.43	0.66	0.86
0.97	1.00	0.95	0.80	0.60	0.44	0.32	0.23	0.19	0.19	0.20	0.21
0.21	0.20	0.19	0.19	0.23	0.32	0.44	0.60	0.80	0.95	1.00	0.97

Ref Az: 0.0

Using DEFAULT vertical antenna pattern

D/U Baseline: 28.00

	Area	Pop
Interference	116.59	56548(1.4 FCC - 0.9)

KOLO-T 39-18-49 119-53-00 8(Z) 166.000 kw 2974 m 10.0 % 56.0 dBu
RENO NV 34281 492 FCC NTSC BL: 635009 FCC IX POP%: 0.0
LIC BLCT1667
Using DEFAULT vertical antenna pattern

D/U Baseline: 28.00

	Area	Pop
Interference	3988.27	310408(7.7 FCC - 4.8)

KQED 37-45-19 122-27-06 9(+) 316.000 kw 552 m 10.0 % 56.0 dBu
SAN FRANCISCO CA 29666 5424 FCC NTSC BL: 6766552 FCC IX POP%: 0.0
CP BPET19990405KG
Using DEFAULT vertical antenna pattern

D/U Baseline: -13.00

	Area	Pop
Interference	1427.25	1394483(34.6 FCC - 21.6)

KAIL 37-04-23 119-25-52 7(N) 38.000 kw 1383 m DA 10.0 % 36.0 dBu
FRESNO CA 17074 1090 DTVSERVICE: 1090000 NTSCSERVICE: 1075000
CP BPCDT19991101AEF
0.41 0.26 0.16 0.09 0.05 0.05 0.07 0.07 0.08 0.17 0.31 0.43
0.55 0.69 0.82 0.92 0.95 0.93 0.88 0.80 0.73 0.68 0.65 0.64
0.65 0.71 0.80 0.90 0.96 0.99 1.00 0.96 0.88 0.77 0.66 0.55
Ref Az: 0.0
Using DEFAULT vertical antenna pattern

D/U Baseline: -14.00

	Area	Pop
Interference	1149.84	47241(1.2 FCC - 0.7)

KFSN-T 37-04-37 119-26-01 9(N) 8.700 kw 1439.9 m DA 10.0 % 36.0 dBu
FRESNO CA 20834 1140 DTVSERVICE: 1140000 NTSCSERVICE: 1130000
LIC BLCDT20010531ACX
0.11 0.05 0.02 0.02 0.02 0.01 0.02 0.02 0.02 0.02 0.04 0.05
0.11 0.18 0.35 0.52 0.69 0.82 0.92 0.94 0.92 0.76 0.75 0.94
0.98 0.82 0.73 0.82 0.94 0.94 0.86 0.77 0.65 0.49 0.32 0.18
(238.0 1.00)
Ref Az: 0.0
Using DEFAULT vertical antenna pattern

D/U Baseline: -17.00

	Area	Pop
Interference	0	0
lost to NTSC IX	6758.35	1859441
lost to additional IX by DTV	12.06	3
total lost to DTV IX	1149.84	47241

Summary of Study

CallSign	No.cells	Unique Area	Unique Pop
KFAZ-CA	136	546.7794	1182
KGO-TV	100	402.0436	152698
KFWU	4	16.08175	30
KOLO-T	263	1057.375	193735
KQED	1	4.020436	651
KAIL	3	12.06131	3
lost to all IX		6770.42	1859444
Total SERVICE		26812.29	1084225

Total unique pop for KFAZ-CA : 1182 (0.029%)

OET-69 DTV INTERFERENCE CAUSED STUDY

CELL SIZE : 2.00
Using offset in determining thresholds
Per 6th Report & Order and FCC OET-69 Bulletin

KAIL 37-04-23 119-25-52 7(N) 38.000 kw 1383 m DA 90.0 % 36.0 dBu
FRESNO CA 17074 1090 DTVSERVICE: 1090000 NTSCSERVICE: 1075000
CP BPCDT19991101AEF

0.41	0.26	0.16	0.09	0.05	0.05	0.07	0.07	0.08	0.17	0.31	0.43
0.55	0.69	0.82	0.92	0.95	0.93	0.88	0.80	0.73	0.68	0.65	0.64
0.65	0.71	0.80	0.90	0.96	0.99	1.00	0.96	0.88	0.77	0.66	0.55

Ref Az: 0.0

Using DEFAULT vertical antenna pattern

	Area	Pop
within Noise Limited Contour	36900.12	1377382
not affected by terrain losses	34374.64	1359412

KFAZCA 36-17-14 118-50-17 8(-) 3.000 kw 1742 m DA 10.0 % 68.0
VISALIA CA
Proposed

1.00	0.97	0.90	0.79	0.65	0.51	0.36	0.24	0.13	0.08	0.07	0.06
0.05	0.08	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.08
0.05	0.06	0.07	0.08	0.13	0.24	0.36	0.51	0.65	0.79	0.90	0.97

Ref Az: 260.0

Using DEFAULT vertical antenna pattern

D/U Baseline: -49.00

Interference	Area	Pop
	0	0

DKAIL 37-04-23 119-25-52 7(0) 3.200 kw 1405 m DA 90.0 % 36.0 dBu
FRESNO CA 17074 1090 DTVSERVICE: 1090000 NTSCSERVICE: 1075000
DTVALT DTV ALLOTMENT

0.00	0.01	0.04	0.08	0.05	0.03	0.09	0.08	0.07	0.05	0.08	0.14
0.21	0.28	0.34	0.44	0.58	0.75	0.83	0.67	0.53	0.76	1.00	0.95
0.71	0.57	0.72	0.86	0.80	0.62	0.41	0.26	0.16	0.11	0.07	0.04

Ref Az: 0.0

Using DEFAULT vertical antenna pattern

USING NTSC GRADE B FOR SERVICE AREA

	Area	Pop
within Noise Limited Contour	18844.40	1109160
not affected by terrain losses	17447.33	1091266

KFAZCA 36-17-14 118-50-17 8(-) 3.000 kw 1742 m DA 10.0 % 68.0
VISALIA CA
Proposed

1.00	0.97	0.90	0.79	0.65	0.51	0.36	0.24	0.13	0.08	0.07	0.06
0.05	0.08	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.08
0.05	0.06	0.07	0.08	0.13	0.24	0.36	0.51	0.65	0.79	0.90	0.97

Ref Az: 260.0

Using DEFAULT vertical antenna pattern

D/U Baseline: -49.00

Interference	Area	Pop
0	0	0

DKFSNT 37-04-38 119-26-00 9(0) 8.700 kw 1448 m DA 90.0 % 36.0 dBu		
FRESNO CA 20834 1140 DTVSERVICE: 1140000 NTSCSERVICE: 1130000		
DTVALT DTV ALLOTMENT		
0.10 0.09 0.07 0.07 0.07 0.07 0.08 0.09 0.10 0.12 0.12 0.17		
0.25 0.36 0.53 0.69 0.77 0.74 0.57 0.34 0.20 0.14 0.14 0.15		
0.14 0.14 0.21 0.42 0.65 0.85 1.00 0.98 0.77 0.46 0.26 0.16		
Ref Az: 0.0		
Using DEFAULT vertical antenna pattern		
	Area	Pop
within Noise Limited Contour	23668.60	1150991
not affected by terrain losses	21395.55	1142003

KFAZCA 36-17-14 118-50-17 8(-) 3.000 kw 1742 m DA 10.0 % 68.0		
VISALIA CA		
Proposed		
1.00 0.97 0.90 0.79 0.65 0.51 0.36 0.24 0.13 0.08 0.07 0.06		
0.05 0.08 0.09 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.09 0.08		
0.05 0.06 0.07 0.08 0.13 0.24 0.36 0.51 0.65 0.79 0.90 0.97		
Ref Az: 260.0		
Using DEFAULT vertical antenna pattern		

D/U Baseline: -48.00

Interference	Area	Pop
0	0	0

KFSN-T 37-04-37 119-26-01 9(N) 8.700 kw 1439.9 m DA 90.0 % 36.0 dBu		
FRESNO CA 20834 1140 DTVSERVICE: 1140000 NTSCSERVICE: 1130000		
LIC BLCDT20010531ACX		
0.11 0.05 0.02 0.02 0.02 0.01 0.02 0.02 0.02 0.02 0.04 0.05		
0.11 0.18 0.35 0.52 0.69 0.82 0.92 0.94 0.92 0.76 0.75 0.94		
0.98 0.82 0.73 0.82 0.94 0.94 0.86 0.77 0.65 0.49 0.32 0.18		
(238.0 1.00)		
Ref Az: 0.0		
Using DEFAULT vertical antenna pattern		
	Area	Pop
within Noise Limited Contour	26186.73	1214703
not affected by terrain losses	24141.52	1202939

KFAZCA 36-17-14 118-50-17 8(-) 3.000 kw 1742 m DA 10.0 % 68.0		
VISALIA CA		
Proposed		
1.00 0.97 0.90 0.79 0.65 0.51 0.36 0.24 0.13 0.08 0.07 0.06		
0.05 0.08 0.09 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.09 0.08		
0.05 0.06 0.07 0.08 0.13 0.24 0.36 0.51 0.65 0.79 0.90 0.97		
Ref Az: 260.0		
Using DEFAULT vertical antenna pattern		

D/U Baseline: -48.00

Interference	Area	Pop
0	0	0

Summary of Study

Facility	Channel	Type	Baseline	Permissible	IX	%Base
KAIL, FRESNO, CA	7	DTV	1090000	0.5	0	0.00
DKAIL, FRESNO, CA	7	DTV	1090000	0.5	0	0.00
DKFSNT, FRESNO, CA	9	DTV	1140000	0.5	0	0.00
KFSN-T, FRESNO, CA	9	DTV	1140000	0.5	0	0.00

OET-69 LPTV/TV TRANSLATOR/CLASS A TV INTERFERENCE CAUSED STUDY

CELL SIZE : 2.00
Using offset in determining thresholds
Per 6th Report & Order and FCC OET-69 Bulletin

K07HA 36-09-08 118-46-50 7(N) 0.004 kw 920 m DA 50.0 % 68.0 dBu
CAMP NELSON ETC. CA
LIC BLTTV4208
0.99 0.94 0.84 0.75 0.64 0.53 0.39 0.32 0.33 0.33 0.34 0.34
0.34 0.33 0.33 0.33 0.34 0.36 0.47 0.59 0.70 0.78 0.84 0.92
0.95 0.94 0.89 0.81 0.76 0.79 0.80 0.80 0.78 0.87 0.96 1.00

Ref Az: 0.0

Using DEFAULT vertical antenna pattern

	Area	Pop
within Noise Limited Contour	48.02951	1010
not affected by terrain losses	48.02951	1010

KFAZCA 36-17-14 118-50-17 8(-) 3.000 kw 1742 m DA 10.0 % 68.0
VISALIA CA
PROPOSED
1.00 0.97 0.90 0.79 0.65 0.51 0.36 0.24 0.13 0.08 0.07 0.06
0.05 0.08 0.09 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.09 0.08
0.05 0.06 0.07 0.08 0.13 0.24 0.36 0.51 0.65 0.79 0.90 0.97

Ref Az: 260.0

Using DEFAULT vertical antenna pattern

D/U Baseline: -13.00

	Area	Pop
Interference	0	0

K08FX 35-41-12 118-25-10 8(N) 0.063 kw 1073 m DA 50.0 % 68.0 dBu
LAKE ISABELLA CA
LIC BLTTV3865
1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Ref Az: 140.0

Using DEFAULT vertical antenna pattern

	Area	Pop
within Noise Limited Contour	100.6770	1454
not affected by terrain losses	100.6770	1454

KFAZCA 36-17-14 118-50-17 8(-) 3.000 kw 1742 m DA 10.0 % 68.0
VISALIA CA
PROPOSED
1.00 0.97 0.90 0.79 0.65 0.51 0.36 0.24 0.13 0.08 0.07 0.06
0.05 0.08 0.09 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.09 0.08
0.05 0.06 0.07 0.08 0.13 0.24 0.36 0.51 0.65 0.79 0.90 0.97

Ref Az: 260.0

Using DEFAULT vertical antenna pattern

D/U Baseline: 45.00

Interference	Area 0	Pop 0

K08MM2 35-22-08 119-00-14 8(+)	0.065 kw	186 m DA 50.0 % 68.0 dBu
BAKERSFIELD CA		
LIC BLTVA20011128ACU		
1.00 0.97 0.95 0.93 0.92 0.94 0.98	1.00 0.98 0.95 0.88 0.77	
0.63 0.47 0.35 0.23 0.22 0.22 0.23	0.22 0.22 0.23 0.35 0.47	
0.63 0.77 0.88 0.95 0.98 1.00 0.98	0.94 0.92 0.93 0.95 0.97	
(45.0 0.55)(135.0 0.29)(225.0 0.96)		

Ref Az: 325.0

Using DEFAULT vertical antenna pattern

	Area	Pop
within Noise Limited Contour	55.88832	94063
not affected by terrain losses	55.88832	94063

KFAZCA 36-17-14 118-50-17 8(-)	3.000 kw	1742 m DA 10.0 % 68.0
VISALIA CA		
PROPOSED		
1.00 0.97 0.90 0.79 0.65 0.51 0.36	0.24 0.13 0.08 0.07 0.06	
0.05 0.08 0.09 0.10 0.10 0.10 0.10	0.10 0.10 0.10 0.09 0.08	
0.05 0.06 0.07 0.08 0.13 0.24 0.36	0.51 0.65 0.79 0.90 0.97	

Ref Az: 260.0

Using DEFAULT vertical antenna pattern

D/U Baseline: 28.00

Interference	Area 0	Pop 0

K08MM 35-22-08 119-00-14 8(+)	0.065 kw	186 m DA 50.0 % 68.0 dBu
BAKERSFIELD CA		
CP BPTVL19980601SD		
1.00 0.97 0.95 0.93 0.92 0.94 0.98	1.00 0.98 0.95 0.88 0.77	
0.63 0.47 0.35 0.23 0.22 0.22 0.23	0.22 0.22 0.23 0.35 0.47	
0.63 0.77 0.88 0.95 0.98 1.00 0.98	0.94 0.92 0.93 0.95 0.97	
(45.0 0.55)(135.0 0.29)(225.0 0.96)		

Ref Az: 325.0

Using DEFAULT vertical antenna pattern

	Area	Pop
within Noise Limited Contour	55.88832	94063
not affected by terrain losses	55.88832	94063

KFAZCA 36-17-14 118-50-17 8(-)	3.000 kw	1742 m DA 10.0 % 68.0
VISALIA CA		
PROPOSED		
1.00 0.97 0.90 0.79 0.65 0.51 0.36	0.24 0.13 0.08 0.07 0.06	
0.05 0.08 0.09 0.10 0.10 0.10 0.10	0.10 0.10 0.10 0.09 0.08	
0.05 0.06 0.07 0.08 0.13 0.24 0.36	0.51 0.65 0.79 0.90 0.97	

Ref Az: 260.0

Using DEFAULT vertical antenna pattern

D/U Baseline: 28.00

	Area	Pop
Interference	0	0

NEW 35-07-54 118-25-42 8(-) 3.000 kw 1625 m 50.0 % 68.0 dBu

CALIENTE CA

APP BNPTVL20000831CCA

Using DEFAULT vertical antenna pattern

	Area	Pop
within Noise Limited Contour	2440.712	35059
not affected by terrain losses	1692.494	24041

KFAZCA 36-17-14 118-50-17 8(-) 3.000 kw 1742 m DA 10.0 % 68.0

VISALIA CA

PROPOSED

1.00	0.97	0.90	0.79	0.65	0.51	0.36	0.24	0.13	0.08	0.07	0.06
0.05	0.08	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.08
0.05	0.06	0.07	0.08	0.13	0.24	0.36	0.51	0.65	0.79	0.90	0.97

Ref Az: 260.0

Using DEFAULT vertical antenna pattern

D/U Baseline: 45.00

	Area	Pop
Interference	8.00	12(0.03%)

K09VI 36-09-05 118-46-55 9(+) 0.043 kw 920 m DA 50.0 % 68.0 dBu

SPRINGVILLE CA

LIC BLTTV19910301JR

0.87	0.73	0.56	0.37	0.29	0.16	0.16	0.14	0.10	0.14	0.15	0.19
0.18	0.14	0.16	0.17	0.20	0.31	0.39	0.42	0.48	0.52	0.65	0.72
0.75	0.76	0.74	0.68	0.62	0.69	0.81	0.91	0.96	0.93	1.00	0.97

Ref Az: 0.0

Using DEFAULT vertical antenna pattern

	Area	Pop
within Noise Limited Contour	136.0820	2126
not affected by terrain losses	132.0796	2126

KFAZCA 36-17-14 118-50-17 8(-) 3.000 kw 1742 m DA 10.0 % 68.0

VISALIA CA

PROPOSED

1.00	0.97	0.90	0.79	0.65	0.51	0.36	0.24	0.13	0.08	0.07	0.06
0.05	0.08	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.08
0.05	0.06	0.07	0.08	0.13	0.24	0.36	0.51	0.65	0.79	0.90	0.97

Ref Az: 260.0

Using DEFAULT vertical antenna pattern

D/U Baseline: -3.00

	Area	Pop
Interference	0	0

Summary of Study

Facility	Channel	Type	Baseline	Permissible	IX	%Base
K07HA, CAMP NELSON ETC	7	TV	1010	0.5	0	0.00
K08FX, LAKE ISABELLA, C	8	TV	1454	0.5	0	0.00
K08MM2, BAKERSFIELD, CA	8	TV	94063	0.5	0	0.00
K08MM, BAKERSFIELD, CA	8	TV	94063	0.5	0	0.00
NEW, CALIENTE, CA	8	TV	35059	0.5	12	0.03
K09VI, SPRINGVILLE, CA	9	TV	2126	0.5	0	0.00