

# OET-69 Interference Analysis (KTLO-LP, Colorado Springs, CO, Channel 45)(Worst-Case Scenarios)

Census data selected: 1990

## TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 10-21-2008

Record Selected for Analysis

KTLOLP USERRECORD-01 COLORADO SPRINGS CO US  
Channel 45 ERP 11.3 kW HAAT 1111. m RCAMSL 02887 m  
Latitude 038-44-45 Longitude 0104-51-40  
Status APP Zone 2 Border Offset Z  
Dir Antenna Make CDB Model 00000000020732 Beam tilt N Ref Azimuth 70.  
Last update Cutoff date Docket  
Comments  
Applicant

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	74.0 dBu F(50,50) (km)
0.0	9.461	967.8	39.3
45.0	7.332	1041.9	38.4
90.0	7.785	1111.2	39.6
135.0	10.145	1098.4	41.4
180.0	1.900	849.6	26.8
225.0	0.004	65.2	1.6
270.0	0.000	33.0	1.5
315.0	0.779	99.6	7.7

## INTERFERENCE CONSENT

THE APPLICANT, PIKES PEAK TELEVISION, INC., IS THE PERMITTEE AND APPLICANT OF K45KB-D, LAKE GEORGE, CO (FCC FILE NOS. BMPDTT-20081020ANP AND BDCCDTT-20061030ACD). PIKES PEAK TELEVISION, INC. HEREBY AGREES TO ACCEPT ANY PREDICTED INTERFERENCE TO ITS K45KB-D CONSTRUCTION PERMIT AND APPLICATION FACILITIES (FCC FILE NOS. BMPDTT-20081020ANP AND BDCCDTT-20061030ACD) AND IT AGREES TO ACCEPT ANY PREDICTED INTERFERENCE TO THE INSTANT PROPOSAL FOR KTLO-LP (STA) FROM THE K45KB-D APPLICATION OR CONSTRUCTION PERMIT FACILITIES.

Contour Overlap Evaluation from LPTV Station to Full Service TV & DTV

Contour overlap to station  
KWHB 46 CASTLE ROCK CO BLCDT 20050810AAF

Contour Overlap Evaluation from LPTV to Full Service TV & DTV Complete

Contour Overlap Evaluation from LPTV Station to LPTV Stations

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Station inside contour of station  
K30AA 30 COLORADO SPRINGS CO BLTT 20021127AEK

Contour overlap to station  
K30IK 30 CRIPPLE CREEK, ETC. CO BLTTL 20050118AKJ

Contour overlap to station  
K45FD 45 ANTON & SW WASH CTY CO BLTT 20011005ABM

Contour overlap to station  
KHDT-LP 45 DENVER CO BLTTL 20040714ABT

Contour overlap to station  
K45KB-D 45 LAKE GEORGE CO BMPD TT 20081020ANP

Contour overlap to station  
K45KB-D 45 LAKE GEORGE CO BDCCD TT 20061030ACD

Station inside contour of station  
KTLO-LP 46 COLORADO SPRINGS CO BDISTTTL 20080910ACG

Contour Overlap Evaluation from LPTV to LPTV Stations Complete

Contour Overlap to Proposed Station

Station  
KHDT-LP 45 DENVER CO BLTTL20040714ABT causes

Contour overlap to station  
KTLOLP 45 COLORADO SPRINGS CO USERRECORD01

Station  
KTLO-LP 46 COLORADO SPRINGS CO BDISTTTL20080910ACG

Is inside contour of station  
KTLOLP 45 COLORADO SPRINGS CO USERRECORD01

Contour Overlap Evaluation to Proposed Station Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is beyond the Canadian coordination distance

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
45	KTLOLP	COLORADO SPRINGS CO	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
30	K30AA	COLORADO SPRINGS CO	0.0	LIC	BLTT	-20021127AEK
30	K30IK	CRIPPLE CREEK, ETC. CO	27.3	LIC	BLTTL	-20050118AKJ
45	K45FD	ANTON & SW WASH CTY CO	179.5	LIC	BLTT	-20011005ABM
45	KHDT-LP	DENVER CO	135.0	LIC	BLTTL	-20040714ABT
45	K45KB-D	LAKE GEORGE CO	32.2	APP	BMPD TT	-20081020ANP
45	K45KB-D	LAKE GEORGE CO	65.8	CP	BDCCD TT	-20061030ACD
46	KWHD	CASTLE ROCK CO	78.4	LIC	BLCDT	-20050810AAF

# OET-69 Interference Analysis (KTLO-LP, Colorado Springs, CO, Channel 45)(Worst-Case Scenarios)

46 KTLO-LP COLORADO SPRINGS CO 0.0 APP BDISTTTL -20080910ACG

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## Analysis of Interference to Affected Station 1

### Analysis of current record

Channel Call City/State Application Ref. No.  
30 K30AA COLORADO SPRINGS CO BLTT -20021127AEK

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	KXRM-DT	COLORADO SPRINGS CO	0.1	PLN	DTVPLN	-DTVP0473
26	KTSC-DT	PUEBLO CO	0.0	PLN	DTVPLN	-DTVP0631
29	NEW	COLORADO SPRINGS CO	0.0	APP	BSFDTL	-20060630ARX
29	K58FY	LAKE GEORGE CO	65.8	CP	BDISDTT	-20060331BIM
29	K58FY	LAKE GEORGE, ETC. CO	65.8	CP	BPTT	-20040109ABN
30	K30HJ	COTREZ, ETC CO	325.9	CP	BDFCDTL	-20080801BAO
30	K30IK	CRIPPLE CREEK, ETC. CO	75.8	CP	BPTTL	-20050223ACE
30	KLPT-LP	DENVER CO	135.0	LIC	BLTT	-20050812AOP
30	K30JR-D	NEW CASTLE CO	247.6	CP	BDCCDTT	-20061030ADP
30	K30JQ-D	REDSTONE CO	210.8	CP	BDCCDTT	-20061030AAK
30	K30GJ	COLFAX NM	244.7	LIC	BLTT	-20031103ACV
30	KGWN-DT	CHEYENNE WY	262.0	PLN	DTVPLN	-DTVP0810
31	KLPT-LD	DENVER CO	135.0	CP	BDCCDTL	-20061003ADY
31	KDVR	DENVER CO	114.0	LIC	BLCT	-19830818KM
31	K53AR	SALIDA CO	105.2	CP	BDISDTT	-20060331AWE
32	KDVR	DENVER CO	114.0	CP MOD	BMPCDT	-20080620AND
32	KDVR-DT	DENVER CO	114.0	PLN	DTVPLN	-DTVP0856
34	KGWN-TV	DENVER CO	114.3	CP MOD	BMPCDT	-20080620AFA
34	KGWN-DT	DENVER CO	114.4	PLN	DTVPLN	-DTVP0928
38	KBDI-DT	BROOMFIELD CO	117.6	PLN	DTVPLN	-DTVP1041
45	KWHD-DR	CASTLE ROCK CO	78.4	APP	BPRM	-20080619AEZ
45	KTLO-LP	COLORADO SPRINGS CO	0.0	CP	BDISTTTL	-20071019AQO
45	K45KB-D	LAKE GEORGE CO	32.2	APP	BMPDTT	-20081020ANP
45	K45KB-D	LAKE GEORGE CO	65.8	CP	BDCCDTT	-20061030ACD
45	KTLOLP	COLORADO SPRINGS CO	0.0	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 2

### Analysis of current record

Channel Call City/State Application Ref. No.  
30 K30IK CRIPPLE CREEK, ETC. CO BLTT -20050118AKJ

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
22	KXRM-DT	COLORADO SPRINGS CO	27.3	PLN	DTVPLN	-DTVP0473
23	KUPN(TV)	FORT MORGAN CO	139.0	ADD	BPRM	-20020620ABM
23	KCDO	STERLING CO	143.6	APP	BMPCDT	-20080602AJL
26	KTSC-DT	PUEBLO CO	27.3	PLN	DTVPLN	-DTVP0631
29	NEW	COLORADO SPRINGS CO	27.3	APP	BSFDTL	-20060630ARX
29	K58FY	LAKE GEORGE CO	51.8	CP	BDISDTT	-20060331BIM
29	K58FY	LAKE GEORGE, ETC. CO	51.8	CP	BPTT	-20040109ABN
29	KDEN	LONGMONT CO	123.7	LIC	BLCDT	-20060630ACM
29	KDEN-DT	LONGMONT CO	123.3	PLN	DTVPLN	-DTVP0738
29	KDEN	LONGMONT CO	123.7	CP	BPCDT	-20080623AAA
30	K30AA	COLORADO SPRINGS CO	27.3	CP	BDFCDTL	-20061019ACU
30	K30AA	COLORADO SPRINGS CO	27.3	LIC	BLTT	-20021127AEK
30	K30HJ	COTREZ, ETC CO	334.6	CP	BDFCDTL	-20080801BAO
30	KLPT-LP	DENVER CO	107.8	LIC	BLTT	-20050812AOP
30	K30CR	FRASER, ETC. CO	121.8	LIC	BLTT	-19890609IK
30	K30JR-D	NEW CASTLE CO	233.8	CP	BDCCDTT	-20061030ADP
30	K30JQ-D	REDSTONE CO	200.1	CP	BDCCDTT	-20061030AAK
30	KGWN-DT	CHEYENNE WY	235.0	PLN	DTVPLN	-DTVP0810
31	KLPT-LD	DENVER CO	107.8	CP	BDCCDTL	-20061003ADY
31	KDVR	DENVER CO	86.9	LIC	BLCT	-19830818KM

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31	K53AR	SALIDA CO	112.0	CP	BDISDTT	-20060331AWE
32	KDVR	DENVER CO	86.9	CP MOD	BMPCDT	-20080620AND
32	KDVR-DT	DENVER CO	86.9	PLN	DTVPLN	-DTVP0856
34	KWGN-TV	DENVER CO	87.2	CP MOD	BMPCDT	-20080620AFA
34	KWGN-DT	DENVER CO	87.3	PLN	DTVPLN	-DTVP0928
38	KBDI-DT	BROOMFIELD CO	91.8	PLN	DTVPLN	-DTVP1041
38	KPJR-DT	GREELEY CO	123.7	CP MOD	BMPCDT	-20080616ACF
45	KWHD-DR	CASTLE ROCK CO	54.5	APP	BPRM	-20080619AEZ
45	KTLO-LP	COLORADO SPRINGS CO	27.3	CP	BDISTTL	-20071019AQO
45	K45KB-D	LAKE GEORGE CO	12.8	APP	BMPDIT	-20081020ANP
45	K45KB-D	LAKE GEORGE CO	51.8	CP	BDCCDIT	-20061030ACD
45	KTLOLP	COLORADO SPRINGS CO	27.3	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 3

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
45	K45FD	ANTON & SW WASH CTY CO	BLTT -20011005ABM

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	KPJR-DT	GREELEY CO	135.4	CP MOD	BMPCDT -20080616ACF
43	KPXC-TV	DENVER CO	135.4	CP MOD	BMPCDT -20080317ABY
43	KPXC-TV	DENVER CO	132.3	APP	BMPCDT -20070104ACH
44	K57BT	DENVER CO	154.9	CP	BDISDTL -20060327AHI
45	KWHD-DR	CASTLE ROCK CO	121.6	APP	BPRM -20080619AEZ
45	KTLO-LP	COLORADO SPRINGS CO	179.5	CP	BDISTTL -20071019AQO
45	KHDT-LP	DENVER CO	166.3	LIC	BLTTTL -20040714ABT
45	NEW	GREELEY CO	118.5	LIC	BPRM -20040520AJS
45	K45IS-D	JULESBURG CO	142.7	LIC	BLDIT -20070803ADP
45	K45KB-D	LAKE GEORGE CO	176.7	APP	BMPDIT -20081020ANP
45	K45KB-D	LAKE GEORGE CO	206.6	CP	BDCCDIT -20061030ACD
45	NEW	LOVELAND CO	175.2	APP	BDCCDIT -20070416ACF
45	K45GD	ROMEO, ETC. CO	406.7	CP	BDFCDIT -20060331ARV
46	NEW	BELLVUE CO	175.1	APP	BSFDTL -20060630AJF
46	KWHD	CASTLE ROCK CO	121.6	LIC	BLCDT -20050810AAF
46	KWHD-DT	CASTLE ROCK CO	121.6	PLN	DTVPLN -DTVP1320
46	K46JZ-D	FORT COLLINS CO	175.1	CP	BDCCDIT -20070425AFL
49	NEW	GREELEY CO	104.1	APP	BPRM -20070724AAX
45	KTLOLP	COLORADO SPRINGS CO	179.5	APP	USERRECORD-01

Proposal causes no interference

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## Analysis of Interference to Affected Station 4

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
45	KHDT-LP	DENVER CO	BLTTTL -20040714ABT

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	KBDI-DT	BROOMFIELD CO	31.1	PLN	DTVPLN -DTVP1041
38	KPJR-DT	GREELEY CO	39.3	CP MOD	BMPCDT -20080616ACF
42	KOAA-TV	PUEBLO CO	135.1	CP	BPCDT -19991029AGS
43	KUBD-DT	DENVER CO	27.4	PLN	DTVPLN -DTVP1220
43	KPXC-TV	DENVER CO	39.3	CP MOD	BMPCDT -20080317ABY
43	KPXC-TV	DENVER CO	39.4	APP	BMPCDT -20070104ACH
44	K44IY-D	CANON CITY CO	166.2	CP	BDCCDIT -20061030AOK
44	K57BT	DENVER CO	62.4	CP	BDISDTL -20060327AHI
45	K45HL	CARBONDALE CO	186.4	LIC	BLTT -20050718AAN
45	KWHD-DR	CASTLE ROCK CO	76.4	APP	BPRM -20080619AEZ
45	KTLO-LP	COLORADO SPRINGS CO	135.0	CP	BDISTTL -20071019AQO
45	NEW	GREELEY CO	86.2	LIC	BPRM -20040520AJS
45	K45IS-D	JULESBURG CO	270.4	LIC	BLDIT -20070803ADP
45	K45KB-D	LAKE GEORGE CO	104.8	APP	BMPDIT -20081020ANP

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45	K45KB-D	LAKE GEORGE CO	97.8	CP	BDCCD'TT	-20061030ACD
45	NEW	LOVELAND CO	71.1	APP	BDCCD'TT	-20070416ACF
45	K45GD	ROMEO, ETC. CO	345.6	CP	BDFCD'TT	-20060331ARV
45	KKRR-LP	CHEYENNE WY	146.5	LIC	BLT'TL	-20001220ABF
46	NEW	BELLVUE CO	70.8	APP	BSFDTL	-20060630AJF
46	K54DK	BOULDER CO	8.6	CP	BDISTT	-20070215AAT
46	KWHD	CASTLE ROCK CO	76.4	LIC	BLCDT	-20050810AAF
46	KWHD-DT	CASTLE ROCK CO	76.3	PLN	DTVPLN	-DTVP1320
46	K46JZ-D	FORT COLLINS CO	70.8	CP	BDCCDTL	-20070425AFL
46	K45KC-D	GLENWOOD SPRINGS CO	176.4	CP	BDCCD'TT	-20061030AQG
48	KVSN	PUEBLO CO	135.1	CP	BNPCT	-20060424ADP
48	KVSN	PUEBLO CO	135.1	CP	BPCDT	-20080402ABM
49	NEW	GREELEY CO	99.0	APP	BPRM	-20070724AAX
59	KPXC-TV	DENVER CO	27.4	LIC	BLCT	-19970930KQ
45	KTLOLP	COLORADO SPRINGS CO	135.0	APP	USERRECORD-01	

Proposal causes no interference

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## Analysis of Interference to Affected Station 5

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
45	K45KB-D	LAKE GEORGE CO	BMPD'TT	-20081020ANP

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
44	K44IY-D	CANON CITY CO	63.2	CP	BDCCD'TT	-20061030AOK
44	K57BT	DENVER CO	44.3	CP	BDISDTL	-20060327AHI
44	K44IX-D	SAN LUIS CO	200.6	CP	BDCCD'TT	-20061030AQK
45	KWHD-DR	CASTLE ROCK CO	61.0	APP	BPRM	-20080619AEZ
45	KHDT-LP	DENVER CO	104.8	LIC	BLT'TL	-20040714ABT
45	NEW	GREELEY CO	166.0	LIC	BPRM	-20040520AJS
45	K45IS-D	JULESBURG CO	313.2	LIC	BLD'TT	-20070803ADP
45	NEW	LOVELAND CO	174.0	APP	BDCCD'TT	-20070416ACF
45	K45GD	ROMEO, ETC. CO	251.0	CP	BDFCD'TT	-20060331ARV
45	K45JU-D	FARMINGTON NM	373.2	CP	BDCCDTL	-20061010ANZ
46	K46JN-D	AGUILAR CO	181.9	CP	BDCCD'TT	-20061030AQH
46	NEW	BELLVUE CO	173.7	APP	BSFDTL	-20060630AJF
46	KWHD	CASTLE ROCK CO	61.0	LIC	BLCDT	-20050810AAF
46	KWHD-DT	CASTLE ROCK CO	61.0	PLN	DTVPLN	-DTVP1320
46	KTLO-LP	COLORADO SPRINGS CO	32.2	APP	BDIST'TL	-20080910ACG
46	K46JO-D	DEL NORTE CO	178.1	CP	BDCCD'TT	-20061030AQJ
46	K46JZ-D	FORT COLLINS CO	173.7	CP	BDCCDTL	-20070425AFL
46	K45KC-D	GLENWOOD SPRINGS CO	201.7	CP	BDCCD'TT	-20061030AQG
45	KTLOLP	COLORADO SPRINGS CO	32.2	APP	USERRECORD-01	

Total scenarios = 4

### Result key:

Scenario 1 Affected station 5 K45KB-D  
Before Analysis

Results for:	45A CO LAKE GEORGE	BMPD'TT	20081020ANP	APP
HAAT	1.0 m, ATV ERP	0.5 kW		
	POPULATION	AREA (sq km)		
within Noise Limited Contour	298959	1474.1		
not affected by terrain losses	87371	1136.5		
lost to NTSC IX	0	0.0		
lost to additional IX by ATV	0	0.0		
lost to ATV IX only	0	0.0		
lost to all IX	0	0.0		

Potential Interfering Stations Included in above Scenario 1

### After Analysis

Results for:	45A CO LAKE GEORGE	BMPD'TT	20081020ANP	APP
HAAT	1.0 m, ATV ERP	0.5 kW		
	POPULATION	AREA (sq km)		

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within Noise Limited Contour	298959	1474.1
not affected by terrain losses	87371	1136.5
lost to NTSC IX	3598	37.8
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	3598	37.8

Potential Interfering Stations Included in above Scenario 1

Worst case new IX 4.1181% Scenario 1

Proposed station is MX		
45N CO COLORADO SPRINGS	USERRECORD01	APP
45A CO LAKE GEORGE	BMPD TT 20081020ANP	APP

Proposal MX with BMPD TT 20081020ANP scenario 1 of station 5

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
45	K45KB-D	LAKE GEORGE CO	BDCCD TT	-20061030ACD

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
44	K44IY-D	CANON CITY CO	76.6	CP	BDCCD TT	-20061030AOK
44	K57BT	DENVER CO	54.8	CP	BDISD TL	-20060327AHI
44	K44IX-D	SAN LUIS CO	205.4	CP	BDCCD TT	-20061030AQK
45	KWHD-DR	CASTLE ROCK CO	85.3	APP	BPRM	-20080619AEZ
45	KHDT-LP	DENVER CO	97.8	LIC	BLT TL	-20040714ABT
45	NEW	GREELEY CO	174.2	LIC	BPRM	-20040520AJS
45	K45IS-D	JULESBURG CO	337.5	LIC	BLD TT	-20070803ADP
45	NEW	LOVELAND CO	168.8	APP	BDCCD TT	-20070416ACF
45	K45GD	ROMEO, ETC. CO	247.8	CP	BDFCD TT	-20060331ARV
45	K45JU-D	FARMINGTON NM	350.8	CP	BDCCD TL	-20061010ANZ
46	K46JN-D	AGUILAR CO	200.2	CP	BDCCD TT	-20061030AQH
46	NEW	BELLVUE CO	168.5	APP	BSFD TL	-20060630AJF
46	KWHD	CASTLE ROCK CO	85.3	LIC	BLCD T	-20050810AAF
46	KWHD-DT	CASTLE ROCK CO	85.3	PLN	DTVPLN	-DTVP1320
46	K46JO-D	DEL NORTE CO	165.5	CP	BDCCD TT	-20061030AQJ
46	K46JZ-D	FORT COLLINS CO	168.4	CP	BDCCD TL	-20070425AFL
46	K45KC-D	GLENWOOD SPRINGS CO	163.0	CP	BDCCD TT	-20061030AQG
45	KTLOLP	COLORADO SPRINGS CO	65.8	APP	USERRECORD-01	

Total scenarios = 3

Result key:

5

Scenario 1 Affected station

6 K45KB-D

Before Analysis

Results for: 45A CO LAKE GEORGE BDCCD TT 20061030ACD CP

HAAT 1.0 m, ATV ERP 0.2 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	11836	1928.3
not affected by terrain losses	7910	1709.1
lost to NTSC IX	6	3.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	6	3.0

Potential Interfering Stations Included in above Scenario 1

45N CO DENVER	BLT TL	20040714ABT	LIC
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After Analysis

Results for: 45A CO LAKE GEORGE BDCCD TT 20061030ACD CP

HAAT 1.0 m, ATV ERP 0.2 kW

# OET-69 Interference Analysis (KTLO-LP, Colorado Springs, CO, Channel 45)(Worst-Case Scenarios)

	POPULATION	AREA (sq km)
within Noise Limited Contour	11836	1928.3
not affected by terrain losses	7910	1709.1
lost to NTSC IX	6	4.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	6	4.0

Potential Interfering Stations Included in above Scenario 1

45N CO DENVER	BLTTL	20040714ABT	LIC
45N CO COLORADO SPRINGS	USERRECORD01		APP

Percent new IX = 0.0000%

Worst case new IX 0.0000% Scenario 1

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Analysis of Interference to Affected Station 7

## DTV Baseline Analysis

Channel	Call	City/State	Application Ref. No.
46	KWHD-DT	CASTLE ROCK CO	DTVPLN -DTVP1320

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
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Results for: 46A CO CASTLE ROCK DTVPLN DTVP1320 PLN  
HAAT 193.0 m, ATV ERP 129.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	1808322	12553.5
not affected by terrain losses	1703743	11006.5
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to ATV IX only	0	0.0
lost to all IX	0	0.0

## NTSC Baseline Analysis

Channel	Call	City/State	Application Ref. No.
53	KWHD	CASTLE ROCK CO	DTVPLN -NPLN1820

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
46	KWHD-DT	CASTLE ROCK CO	0.0	PLN	DTVPLN -DTVP1320
50	KCEC	DENVER CO	60.0	PLN	DTVPLN -NPLN1770
51	KCEC-DT	DENVER CO	60.0	PLN	DTVPLN -DTVP1471

Results for: 53N CO CASTLE ROCK DTVPLN NPLN1820 PLN

	POPULATION	AREA (sq km)
within Noise Limited Contour	1808509	12549.6
not affected by terrain losses	1692923	10534.8
lost to NTSC IX	19173	84.1
lost to additional IX by ATV	0	0.0
lost to all IX	19173	84.1

## Analysis of current record

Channel	Call	City/State	Application Ref. No.
46	KWHD	CASTLE ROCK CO	BLCDT -20050810AAF

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
45	KWHD-DR	CASTLE ROCK CO	0.0	APP	BPRM -20080619AEZ
45	NEW	GREELEY CO	110.4	LIC	BPRM -20040520AJS
45	KTLOLP	COLORADO SPRINGS CO	78.4	APP	USERRECORD-01

Proposal causes no interference

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# OET-69 Interference Analysis (KTLO-LP, Colorado Springs, CO, Channel 45)(Worst-Case Scenarios)

## Analysis of Interference to Affected Station 8

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
46	KTLO-LP	COLORADO SPRINGS CO	BDISTTL -20080910ACG

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	KBDI-DT	BROOMFIELD CO	117.6	PLN	DTVPLN -DTVP1041
42	KOAA-TV	PUEBLO CO	0.1	CP	BPCDT -19991029AGS
42	KOAA-DT	PUEBLO CO	49.1	PLN	DTVPLN -DTVP1184
43	KUBD-DT	DENVER CO	107.6	PLN	DTVPLN -DTVP1220
45	KWHD-DR	CASTLE ROCK CO	78.4	APP	BPRM -20080619AEZ
45	KTLO-LP	COLORADO SPRINGS CO	0.0	CP	BDISTTL -20071019AQO
45	K45KB-D	LAKE GEORGE CO	32.2	APP	BMPD TT -20081020ANP
45	K45KB-D	LAKE GEORGE CO	65.8	CP	BDCCD TT -20061030ACD
45	NEW	LOVELAND CO	202.5	APP	BDCCD TT -20070416ACF
46	K46JN-D	AGUILAR CO	152.4	CP	BDCCD TT -20061030AQH
46	NEW	BELLVUE CO	202.2	APP	BSFDTL -20060630AJF
46	KWHD	CASTLE ROCK CO	78.4	LIC	BLCDT -20050810AAF
46	KWHD-DT	CASTLE ROCK CO	78.4	PLN	DTVPLN -DTVP1320
46	DK46IE	CORTEZ-RED MESA CO	326.0	CP	BDFCD TT -20060331AWW
46	K46JO-D	DEL NORTE CO	169.4	CP	BDCCD TT -20061030AQJ
46	K46JZ-D	FORT COLLINS CO	202.2	CP	BDCCD TL -20070425AFL
46	K45KC-D	GLENWOOD SPRINGS CO	228.1	CP	BDCCD TT -20061030AQG
47	KSBS-LP	DENVER CO	72.8	LIC	BLTTA -20040524ALT
47	KSBS-LP	DENVER CO	72.8	APP	BPTTA -20080111AFX
47	K47FJ	MANITOU SPRINGS CO	13.9	LIC	BLTT -19980318JN
48	KVSN	PUEBLO CO	0.1	CP	BPCDT -20080402ABM
45	KTLOLP	COLORADO SPRINGS CO	0.0	APP	USERRECORD-01

Proposal causes no interference

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## Analysis of Interference to Affected Station 9

### Analysis of current record

Channel	Call	City/State	Application Ref. No.
45	KTLOLP	COLORADO SPRINGS CO	USERRECORD-01

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
38	KBDI-DT	BROOMFIELD CO	117.6	PLN	DTVPLN -DTVP1041
42	KOAA-TV	PUEBLO CO	0.1	CP	BPCDT -19991029AGS
42	KOAA-DT	PUEBLO CO	49.1	PLN	DTVPLN -DTVP1184
43	KUBD-DT	DENVER CO	107.6	PLN	DTVPLN -DTVP1220
44	K44IY-D	CANON CITY CO	43.9	CP	BDCCD TT -20061030AOK
44	K57BT	DENVER CO	72.8	CP	BDISDTL -20060327AHI
44	K44IX-D	SAN LUIS CO	178.4	CP	BDCCD TT -20061030AQK
45	KWHD-DR	CASTLE ROCK CO	78.4	APP	BPRM -20080619AEZ
45	KHDT-LP	DENVER CO	135.0	LIC	BLTTL -20040714ABT
45	NEW	GREELEY CO	188.4	LIC	BPRM -20040520AJS
45	K45IS-D	JULESBURG CO	320.3	LIC	BLD TT -20070803ADP
45	K45KB-D	LAKE GEORGE CO	32.2	APP	BMPD TT -20081020ANP
45	K45KB-D	LAKE GEORGE CO	65.8	CP	BDCCD TT -20061030ACD
45	NEW	LOVELAND CO	202.5	APP	BDCCD TT -20070416ACF
45	K45GD	ROMEO, ETC. CO	233.3	CP	BDFCD TT -20060331ARV
45	K45JU-D	FARMINGTON NM	370.0	CP	BDCCD TL -20061010ANZ
46	K46JN-D	AGUILAR CO	152.4	CP	BDCCD TT -20061030AQH
46	NEW	BELLVUE CO	202.2	APP	BSFDTL -20060630AJF
46	KWHD	CASTLE ROCK CO	78.4	LIC	BLCDT -20050810AAF
46	KWHD-DT	CASTLE ROCK CO	78.4	PLN	DTVPLN -DTVP1320
46	KTLO-LP	COLORADO SPRINGS CO	0.0	APP	BDISTTL -20080910ACG
46	K46JO-D	DEL NORTE CO	169.4	CP	BDCCD TT -20061030AQJ
46	K46JZ-D	FORT COLLINS CO	202.2	CP	BDCCD TL -20070425AFL
48	KVSN	PUEBLO CO	0.1	CP	BPCDT -20080402ABM
59	KPXC-TV	DENVER CO	107.6	LIC	BLCT -19970930KQ

Total scenarios = 5



## OET-69 Interference Analysis (KTLO-LP, Colorado Springs, CO, Channel 45)(Worst-Case Scenarios)

Result key: 8  
Scenario 1 Affected station 9 KTLOLP  
Before Analysis

Results for: 45N CO COLORADO SPRINGS USERRECORD01 APP

	POPULATION	AREA (sq km)
within Noise Limited Contour	381105	2625.0
not affected by terrain losses	380701	2590.0
lost to NTSC IX	1340	23.0
lost to additional IX by ATV	104	10.0
lost to all IX	1444	33.0

Potential Interfering Stations Included in above Scenario 1

45N CO DENVER	BLTTL	20040714ABT	LIC
45A CO LAKE GEORGE	BDCCDTT	20061030ACD	CP

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### INTERFERENCE CONSENT

THE APPLICANT, PIKES PEAK TELEVISION, INC., IS THE PERMITTEE AND APPLICANT OF K45KB-D, LAKE GEORGE, CO (FCC FILE NOS. BMPDTT-20081020ANP AND BDCCDTT-20061030ACD). PIKES PEAK TELEVISION, INC. HEREBY AGREES TO ACCEPT ANY PREDICTED INTERFERENCE TO ITS K45KB-D CONSTRUCTION PERMIT AND APPLICATION FACILITIES (FCC FILE NOS. BMPDTT-20081020ANP AND BDCCDTT-20061030ACD) AND IT AGREES TO ACCEPT ANY PREDICTED INTERFERENCE TO THE INSTANT PROPOSAL FOR KTLO-LP (STA) FROM THE K45KB-D APPLICATION OR CONSTRUCTION PERMIT FACILITIES.