

# OET-69 Interference Analysis (NEW-DRT, Sidney, NE, Channel 34)(Summary Results)

Census data selected: 2000

Post DTV Transition Database Selected

## TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 12-21-2009

Record Selected for Analysis

NEW-DRT USERRECORD-01 SIDNEY NE US  
Channel 34 ERP 1.5 kW HAAT 36. m RCAMSL 01286 m STRINGENT MASK  
Latitude 041-09-00 Longitude 0102-58-30  
Status APP Zone 2 Border  
Dir Antenna Make CDB Model 00000000023503 Beam tilt N Ref Azimuth 0.  
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)	51.0 dBu F(50,90) (km)
0.0	1.550	33.0	19.4
45.0	1.326	33.0	18.7
90.0	0.717	70.6	23.5
135.0	0.696	33.0	15.8
180.0	0.804	33.0	16.4
225.0	0.645	33.0	15.4
270.0	0.738	33.0	16.0
315.0	1.284	33.0	18.5

Contour Overlap to Proposed Station

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
34	NEW-DRT	SIDNEY NE	USERRECORD01

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
19	K19EG	HOLYOKE CO	88.0	LIC	BLTT	-20011114AAO
20	K20FS	PEETZ & N. LOGAN CTY CO	35.7	LIC	BLTT	-20010914AAL
20	K20GK	PLEASANT VALLEY CO	101.5	LIC	BLTT	-20030728AAO
26	K26FM	PEETZ & N. LOGAN CTY CO	35.7	LIC	BLTT	-20010914AAN
26	K26GX	PLEASANT VALLEY CO	101.5	LIC	BLTT	-20050622AAQ
26	K26CV	OGALLALA NE	107.2	LIC	BLTT	-19911217JJC
30	K30FO	PEETZ & N. LOGAN CTY CO	35.7	LIC	BLTT	-20010914AAP
30	K30GO	PLEASANT VALLEY CO	101.5	LIC	BLTT	-20030620ABY
30	K30HA	YUMA CO	112.7	LIC	BLTT	-20031229ABT
31	K31FZ	HAXTUN CO	60.8	LIC	BLTT	-20040823ABO
32	K32EX	PEETZ & N.LOGAN CTY CO	35.7	LIC	BLTT	-20011009AAK
32	K32AB	YUMA CO	112.7	CP MOD	BMPPTT	-20011106AAG
32	K32AB	YUMA CO	112.7	LIC	BLTT	-20011114AAG
33	K33FI	AKRON CO	97.1	LIC	BLTT	-20000217AAQ
33	K33GM	HAXTUN CO	60.8	LIC	BLTT	-20041014AGL
33	K33KK-D	TED'S PLACE CO	188.2	CP	BNPDTL	-20090825AZC
33	K33FO-D	BENKELMAN NE	179.3	LIC	BLDTT	-20081017AEB
33	K33FF-D	WALLACE, ETC. NE	149.7	LIC	BLDTT	-20090817AAK
34	NEW	ASPEN CO	391.3	APP	BNPDTL	-20091028ABN
34	K09AG	BASALT CO	402.3	CP	BDISDTT	-20090506ABG
34	KWGN-TV	DENVER CO	247.7	CP MOD	BMPCDT	-20080620AFA
34	KTLP-LP	PUEBLO CO	344.9	LIC	BLTT	-19991201ABI
34	K34AC	YUMA CO	112.7	CP	BDFCDTT	-20091112AEZ
34	K34AC	YUMA CO	112.7	LIC	BLTT	-20011114AAH
34	K34AC	YUMA CO	112.7	CP MOD	BMPPTT	-20011106AAM
34	K34GG	GARDEN CITY KS	400.3	LIC	BLTTL	-20050516AAF
34	K34IX-D	NORTH PLATTE NE	179.6	CP	BDCCDTL	-20061005AAY
34	K34JS	GILLETTE WY	401.1	CP	BNPTT	-20000831ARV
35	K35FI	AKRON CO	97.1	CP	BDFCDTT	-20090130ANP
35	K35FI	AKRON CO	97.1	LIC	BLTT	-20000217AAR
35	K35GO	HAXTUN CO	60.8	LIC	BLTT	-20041109AAH
35	K35IH-D	CHEYENNE WY	165.8	CP	BDCCDTL	-20061003AFH
36	K36AC	YUMA CO	112.7	LIC	BLTT	-20011114AAJ
36	K36AC	YUMA CO	112.7	CP MOD	BMPPTT	-20011106AAO
38	K38AD	YUMA CO	112.7	CP MOD	BMPPTT	-20011106AAP
38	K38AD	YUMA CO	112.7	LIC	BLTT	-20011114AAK
41	K41EV	AKRON CO	97.1	LIC	BLTT	-20000217AAS
41	K41IT	HAXTUN CO	60.8	LIC	BLTT	-20041117ADF
42	K42GI	YUMA CO	112.7	LIC	BLTT	-20040614AAZ

Analysis of Interference to Affected Station 1

Channel	Call	City/State	Application	Ref. No.
19	K19EG	HOLYOKE CO	BLTT	-20011114AAO

## Analysis of Interference to Affected Station 2

OET-69 Interference Analysis (NEW-DRT, Sidney, NE, Channel 34)(Summary Results)

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	K20FS	PEETZ & N. LOGAN CTY CO	BLTT	-20010914AAL

Stations Potentially Affecting This Station

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.
20	K20GK	PLEASANT VALLEY CO	BLTT	-20030728AAO

Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
26	K26FM	PEETZ & N. LOGAN CTY CO	BLTT	-20010914AAN

Stations Potentially Affecting This Station

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.
26	K26GX	PLEASANT VALLEY CO	BLTT	-20050622AAQ

Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
26	K26CV	OGALLALA NE	BLTT	-19911217JC

Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

## OET-69 Interference Analysis (NEW-DRT, Sidney, NE, Channel 34)(Summary Results)

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### Analysis of Interference to Affected Station 7

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	K30FO	PEETZ & N. LOGAN CTY CO	BLTT	-20010914AAP

#### Stations Potentially Affecting This Station

Proposal causes no interference

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### Analysis of Interference to Affected Station 8

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	K30GO	PLEASANT VALLEY CO	BLTT	-20030620ABY

#### Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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### Analysis of Interference to Affected Station 9

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
30	K30HA	YUMA CO	BLTT	-20031229ABT

#### Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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### Analysis of Interference to Affected Station 10

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
31	K31FZ	HAXTUN CO	BLTT	-20040823ABO

#### Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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### Analysis of Interference to Affected Station 11

#### Analysis of current record

# OET-69 Interference Analysis (NEW-DRT, Sidney, NE, Channel 34)(Summary Results)

Channel	Call	City/State	Application	Ref. No.
32	K32EX	PEETZ & N.LOGAN CTY CO	BLTT	-20011009AAK

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 12

Channel	Call	City/State	Application	Ref. No.
32	K32AB	YUMA CO	BMPTT	-20011106AAG

Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 13

Channel	Call	City/State	Application	Ref. No.
32	K32AB	YUMA CO	BLTT	-20011114AAG

Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 14

Channel	Call	City/State	Application	Ref. No.
33	K33FI	AKRON CO	BLTT	-20000217AAQ

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 15

Channel	Call	City/State	Application	Ref. No.
33	K33GM	HAXTUN CO	BLTT	-20041014AGL

Stations Potentially Affecting This Station

Proposal causes no interference

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## OET-69 Interference Analysis (NEW-DRT, Sidney, NE, Channel 34)(Summary Results)

### Analysis of Interference to Affected Station 16

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	K33KK-D	TED'S PLACE CO	BNPDTL	-20090825AZC

#### Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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### Analysis of Interference to Affected Station 17

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	K33FO-D	BENKELMAN NE	BLD TT	-20081017AEB

#### Stations Potentially Affecting This Station

Proposal causes no interference

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### Analysis of Interference to Affected Station 18

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
33	K33FF-D	WALLACE, ETC. NE	BLD TT	-20090817AAK

#### Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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### Analysis of Interference to Affected Station 19

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	NEW	ASPEN CO	BNPDTL	-20091028ABN

#### Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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### Analysis of Interference to Affected Station 20

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	K09AG	BASALT CO	BDISDTT	-20090506ABG

## OET-69 Interference Analysis (NEW-DRT, Sidney, NE, Channel 34)(Summary Results)

Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 21

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	KWGN-TV	DENVER CO	BMPCDT	-20080620AFA

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 22

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	KTLP-LP	PUEBLO CO	BLTT	-19991201ABI

Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 23

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	K34AC	YUMA CO	BDFCDTT	-20091112AEZ

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 24

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	K34AC	YUMA CO	BLTT	-20011114AAH

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 25

## OET-69 Interference Analysis (NEW-DRT, Sidney, NE, Channel 34)(Summary Results)

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	K34AC	YUMA CO	BMPTT	-20011106AAM

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 26

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	K34GG	GARDEN CITY KS	BLTTL	-20050516AAF

Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 27

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	K34IX-D	NORTH PLATTE NE	BDCCDTL	-20061005AAY

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 28

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	K34JS	GILLETTE WY	BNPTT	-20000831ARV

Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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Analysis of Interference to Affected Station 29

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
35	K35FI	AKRON CO	BDFCDTT	-20090130ANP

Stations Potentially Affecting This Station

Proposal causes no interference



# OET-69 Interference Analysis (NEW-DRT, Sidney, NE, Channel 34)(Summary Results)

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## Analysis of Interference to Affected Station 30

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
35	K35FI	AKRON CO	BLTT	-20000217AAR

### Stations Potentially Affecting This Station

Proposal causes no interference

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## Analysis of Interference to Affected Station 31

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
35	K35GO	HAXTUN CO	BLTT	-20041109AAH

### Stations Potentially Affecting This Station

Proposal causes no interference

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## Analysis of Interference to Affected Station 32

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
35	K35IH-D	CHEYENNE WY	BDCCDTL	-20061003AFH

### Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 33

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
36	K36AC	YUMA CO	BLTT	-20011114AAJ

### Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 34

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
36	K36AC	YUMA CO	BMPTT	-20011106AAO

## OET-69 Interference Analysis (NEW-DRT, Sidney, NE, Channel 34)(Summary Results)

### Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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### Analysis of Interference to Affected Station 35

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
38	K38AD	YUMA CO	BMP TT	-20011106AAP

### Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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### Analysis of Interference to Affected Station 36

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
38	K38AD	YUMA CO	BLTT	-20011114AAK

### Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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### Analysis of Interference to Affected Station 37

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	K41EV	AKRON CO	BLTT	-20000217AAS

### Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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### Analysis of Interference to Affected Station 38

#### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	K41IT	HAXTUN CO	BLTT	-20041117ADF

### Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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# OET-69 Interference Analysis (NEW-DRT, Sidney, NE, Channel 34)(Summary Results)

## Analysis of Interference to Affected Station 39

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
42	K42GI	YUMA CO	BLTT	-20040614AAS

### Stations Potentially Affecting This Station

Proposed station is beyond the site to  
nearest cell evaluation distance

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## Analysis of Interference to Affected Station 40

### Analysis of current record

Channel	Call	City/State	Application	Ref. No.
34	NEW-DRT	SIDNEY NE	USERRECORD-01	

### Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
33	K33KK-D	TED'S PLACE CO	188.2	CP	BNPDTL	-20090825AZC
33	K33FO-D	BENKELMAN NE	179.3	LIC	BLDTT	-20081017AEB
33	K33FF-D	WALLACE, ETC. NE	149.7	LIC	BLDTT	-20090817AAK
34	NEW	ASPEN CO	391.3	APP	BNPDTL	-20091028ABN
34	K09AG	BASALT CO	402.3	CP	BDISDTT	-20090506ABG
34	KWGN-TV	DENVER CO	247.7	PLN	DTVPLN	-DTVP1240
34	KWGN-TV	DENVER CO	247.7	CP MOD	BMPCDT	-20080620AFA
34	NEW	REDSTONE CO	418.1	APP	BSFDTT	-20060630CPY
34	K34AC	YUMA CO	112.7	CP	BDFCDTT	-20091112AEZ
34	K34IX-D	NORTH PLATTE NE	179.6	CP	BDCCDTL	-20061005AAY
34	K34GM	PIERRE SD	411.5	CP	BDFCDTL	-20090818ABP
35	K35FI	AKRON CO	97.1	CP	BDFCDTT	-20090130ANP
35	K35IH-D	CHEYENNE WY	165.8	CP	BDCCDTL	-20061003AFH

Total scenarios = 2

Result key:

1

Scenario 1 Affected station 40 NEW-DRT  
Before Analysis

Results for: 34A NE SIDNEY USERRECORD01 APP

HAAT 36.0 m, ATV ERP 1.5 kW	POPULATION	AREA (sq km)
within Noise Limited Contour	7651	1078.3
not affected by terrain losses	7651	1078.3
lost to NTSC IX	0	0.0
lost to additional IX by ATV	7	12.8
lost to ATV IX only	7	12.8
lost to all IX	7	12.8

Potential Interfering Stations Included in above Scenario 1

34A CO DENVER DTVPLN DTVP1240 PLN

Result key:

2

Scenario 2 Affected station 40 NEW-DRT  
Before Analysis

Results for: 34A NE SIDNEY USERRECORD01 APP

OET-69 Interference Analysis (NEW-DRT, Sidney, NE, Channel 34)(Summary Results)

HAAT	36.0 m, ATV ERP	1.5 kW	
		POPULATION	AREA (sq km)
within Noise Limited Contour		7651	1078.3
not affected by terrain losses		7651	1078.3
lost to NTSC IX		0	0.0
lost to additional IX by ATV		7	12.8
lost to ATV IX only		7	12.8
lost to all IX		7	12.8

Potential Interfering Stations Included in above Scenario 2

34A CO DENVER BMPCDT 20080620AFA CP

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