

OET-69 Interference Analysis (K20JG-D, Salida, CO, Channel 20)(Summary Results)

Percent allowed new interference: 0.500
Percent allowed new interference to non Class A LPTV: 2.000
TW Census data selected 2000
Data Base Selected
/export/home/cdbs/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 08-31-2010

Record Selected for Analysis

K20JG-D USERRECORD-01 SALIDA, ETC. CO US
Channel 20 ERP 0.69 kW HAAT 839. m RCAMSL 03575 m STRINGENT MASK
Latitude 038-26-44 Longitude 0106-00-35
Status APP Zone 2 Border Site number: 01
Dir Antenna Make CDB Model 00000000090042 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
Service Class = LD
Maximum height/power limits not checked

Site number	ERP	HAAT	51.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	0.454	1279.4	55.3
45.0	0.001	1092.2	15.1
90.0	0.001	1102.6	14.8
135.0	0.008	33.0	5.3
180.0	0.690	907.9	53.0
225.0	0.009	610.9	22.6
270.0	0.006	651.9	20.9
315.0	0.018	1040.1	31.6

Database HAAT does not agree with computed HAAT
Database HAAT: 839 Computed HAAT: 840

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

Checks to Site Number 01

- 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

Start of Interference Analysis

Channel	Proposed Station Call	City/State	ARN
20	K20JG-D	SALIDA, ETC. CO	USERRECORD01

Stations Potentially Affected by Proposed Station

OET-69 Interference Analysis (K20JG-D, Salida, CO, Channel 20)(Summary Results)

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
18	K18DE	SOUTH FORK, ETC. CO	BLTT	-19940725JC

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.
19	K19FH	ASHCROFT CO	BLTT	-20060417AEN

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.
19	K19FH	ASPEN CO	BDFCDTL	-20090624ACC

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	K19DY	CANON CITY CO	BDFCDTT	-20100111AEX

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	K19DY	CANON CITY CO	BLTT	-20001027AAF

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.
19	KTVD	DENVER CO	BLCDT	-20090218ABY

OET-69 Interference Analysis (K20JG-D, Salida, CO, Channel 20)(Summary Results)

Stations Potentially Affecting This Station

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.
19	K19HC-D	HOEHNE CO	BLDTT	-20090720AAK

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.
19	K19CE	MONTRROSE CO	BLTT	-20040602ABQ

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

Channel	Call	City/State	Application	Ref. No.
19	K19CE	MONTRROSE CO	BPTT	-20071130BCT

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 12

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	K19DS	PITKIN CO	BDFCDTT	-20100211ABE

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 13

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
19	K19DS	PITKIN CO	BLTT	-19941109IE

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 14

Analysis of current record

OET-69 Interference Analysis (K20JG-D, Salida, CO, Channel 20)(Summary Results)

Channel Call City/State Application Ref. No.
19 K19HG-D REDSTONE CO BLDTT -20091221ABC

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 15

Analysis of current record
Channel Call City/State Application Ref. No.
19 K61AZ ROMEO CO BDISDTT -20090824AFN

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 16

Analysis of current record
Channel Call City/State Application Ref. No.
20 KSZG-LD ASPEN CO BLDTL -20091027AAO

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 17

Analysis of current record
Channel Call City/State Application Ref. No.
20 K20DI CORTEZ, ETC. CO BLTTL -20021203ACQ

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.
20 KRMU DURANGO CO BMPEDT -20050414ACG

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 19

Analysis of current record
Channel Call City/State Application Ref. No.
20 KRMU DURANGO CO BLEDT -20041012AIM

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 20

OET-69 Interference Analysis (K20JG-D, Salida, CO, Channel 20)(Summary Results)

Analysis of current record
Channel Call City/State Application Ref. No.
20 K20KE-D FORT MORGAN CO BNPDTL -20090825BUU

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 21

Analysis of current record
Channel Call City/State Application Ref. No.
20 KKHD-LP GRAND JUNCTION CO BLTTL -20091006ADI

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.
20 KKHD-LP GRAND JUNCTION CO BDFCDTL -20100324ACR

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 23

Analysis of current record
Channel Call City/State Application Ref. No.
20 K20HM IDALIA CO BLTT -20050502ABH

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.
20 K20JW-D JACKS CABIN CO BLDTT -20091125AFK

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 25

Analysis of current record
Channel Call City/State Application Ref. No.
20 K20JW-D JACKS CABIN CO BDISTT -20090429AAT

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 26

OET-69 Interference Analysis (K20JG-D, Salida, CO, Channel 20)(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 27

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 28

Analysis of current record
Channel Call City/State Application Ref. No.
20 K20JH-D RIFLE, ETC. CO BDCCDTT -20061030ADN

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 29

Analysis of current record
Channel Call City/State Application Ref. No.
20 NEW ALBUQUERQUE NM BSFDTL -20060630BVS

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 30

Analysis of current record
Channel Call City/State Application Ref. No.
20 K20GO EAGLE NEST/ANGELFIRE NM BLTT -20010928ABE

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.
20 K20GT INDIAN VILLAGE NM BLTT -20040723ADJ

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

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OET-69 Interference Analysis (K20JG-D, Salida, CO, Channel 20)(Summary Results)

Analysis of Interference to Affected Station 32

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	K20GT	INDIAN VILLAGE NM	BDFCDTT	-20090824AHE

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 33

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	K20GQ-D	LAS VEGAS NM	BLDTT	-20091112AKK

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 34

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	K20CV	RATON NM	BDFCDTT	-20090820ABN

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 35

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	K20CV	RATON, ETC. NM	BLTT	-20031007ACJ

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 36

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	K20IT-D	BOISE CITY OK	BLDTT	-20091228AEI

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 37

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
20	K20JZ-D	GREEN RIVER UT	BLDTT	-20100107ABB

Stations Potentially Affecting This Station

Proposed station is beyond the site to nearest cell evaluation distance

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OET-69 Interference Analysis (K20JG-D, Salida, CO, Channel 20)(Summary Results)

Analysis of Interference to Affected Station 38

Analysis of current record
Channel Call City/State Application Ref. No.
20 K20KC-D MEXICAN HAT, ETC UT BNPDTT -20090825BVE

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 39

Analysis of current record
Channel Call City/State Application Ref. No.
20 K14LV-D CHEYENNE WY BDISDTL -20100325AAF

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 40

Analysis of current record
Channel Call City/State Application Ref. No.
21 K21HF-D ASHCROFT CO BSTA -20090625ACI

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 41

Analysis of current record
Channel Call City/State Application Ref. No.
21 K21HF-D ASPEN CO BLDTT -20091221ABN

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 42

Analysis of current record
Channel Call City/State Application Ref. No.
21 K14MH COLORADO SPRINGS CO BDISDTL -20090612ACV

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 43

Analysis of current record
Channel Call City/State Application Ref. No.
21 K21JK-D MONTROSE CO BLDTL -20081107AEK

Stations Potentially Affecting This Station

Proposed station is beyond the site to
nearest cell evaluation distance

OET-69 Interference Analysis (K20JG-D, Salida, CO, Channel 20)(Summary Results)

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Analysis of Interference to Affected Station 44

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
21	K21EF	PITKIN CO	BDFCDTT	-20100211ABJ

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 45

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
21	K21EF	PITKIN CO	BLTT	-19941109IF

Stations Potentially Affecting This Station

Proposal causes no interference

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Analysis of Interference to Affected Station 46

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	KZCS-LP	COLORADO SPRINGS CO	BLTTL	-20021218AAJ

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 47

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	DK70FL	HARTSEL CO	BSTA	-20070926APR

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 48

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	DK70FL	HARTSEL CO	BDISTT	-20070926APN

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 49

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
23	K23DX	PITKIN CO	BLTT	-19941109IG

Stations Potentially Affecting This Station

OET-69 Interference Analysis (K20JG-D, Salida, CO, Channel 20)(Summary Results)

Proposed station is beyond the site to
nearest cell evaluation distance

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Analysis of Interference to Affected Station 50

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
27	KGHB-CA	PUEBLO, ETC. CO	BLTT	-19961025JB

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 51

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
27	KGHB-CA	PUEBLO, ETC. CO	BSTA	-20050718AAI

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 52

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
28	K28HI	BRECKENRIDGE, DILLON CO	BLTTL	-20040308AAQ

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 53

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
28	KSPK-LP	WALSENBURG CO	BLTTL	-20050315AGL

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 54

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
28	K28GE	WOODLAND PARK CO	BLTTL	-19991203AAV

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 55

OET-69 Interference Analysis (K20JG-D, Salida, CO, Channel 20)(Summary Results)

Analysis of current record
 Channel 20 Call K20JG-D City/State SALIDA, ETC. CO Application Ref. No. USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
19	K19DY	CANON CITY CO	74.8	CP	BDFCDTT -20100111AEX
19	K19DS	PITKIN CO	48.2	CP	BDFCDTT -20100211ABE
19	K19DS	PITKIN CO	48.4	LIC	BLTT -19941109IE
20	KSZG-LD	ASPEN CO	113.1	LIC	BLDTL -20091027AAO
20	KRMU	DURANGO CO	211.6	CP MOD	BMPEDT -20050414ACG
20	KRMU	DURANGO CO	211.6	LIC	BLEDT -20041012AIM
20	KKHD-LP	GRAND JUNCTION CO	205.5	LIC	BLTTL -20091006ADI
20	KKHD-LP	GRAND JUNCTION CO	205.5	CP	BDFCDTL -20100324ACR
20	K20JW-D	JACKS CABIN CO	75.6	LIC	BLDTT -20091125AFK
20	K20JW-D	JACKS CABIN CO	75.6	CP	BDISTT -20090429AAT
20	K20GO	EAGLE NEST/ANGELFIRE NM	213.5	LIC	BLTT -20010928ABE
20	K14LV-D	CHEYENNE WY	206.8	APP	BDISDTL -20100325AAF
21	K21EF	PITKIN CO	48.2	CP	BDFCDTT -20100211ABJ
21	K21EF	PITKIN CO	48.4	LIC	BLTT -19941109IF

Total scenarios = 1

Result key: 1
 Scenario 1 Affected station 55
 Before Analysis

Results for: 20A CO SALIDA, ETC. USERRECORD01 APP
 HAAT 839.0 m, ATV ERP 0.7 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	17983	3839.9
not affected by terrain losses	16993	3176.9
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

 FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED