

Study of Interference Within Proposal causes to BNPDTL-20100510AGC

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
/space/software/cdbs/pt_tvdb.sff
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 03-28-2012 Time: 13:39:38

Record Selected for Analysis

NEW41E USERRECORD-01 GJ CO US
Channel 41 ERP 0.5 kW HAAT 888. m RCAMSL 03053 m SIMPLE MASK
Latitude 039-05-20 Longitude 0108-13-35
Status APP Zone 1 Border Site number: 01
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	1		
Azimuth	ERP	HAAT	51.0 dBu F(50,90)
(Deg)	(kW)	(m)	(km)
0.0	0.500	1182.1	54.8
45.0	0.500	1194.2	54.9
90.0	0.500	504.5	43.9
135.0	0.500	33.0	14.5
180.0	0.500	539.1	44.8
225.0	0.500	1072.5	53.4
270.0	0.500	1334.9	56.5
315.0	0.500	1248.3	55.6

Database HAAT does not agree with computed HAAT
Database HAAT: 888 Computed HAAT: 889

Contour Overlap to Proposed Station

Station
K41AE 41 GRAND JUNCTION, ETC. CO BLTT19810724IL

Station inside contour of Digital LPTV station
NEW41E 41 GJ CO USERRECORD01

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
41	NEW41E	GJ CO	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
26	K26FK	RULISON CO	54.7	LIC	BLTT	-20010911AAD
27	KGJT-LP	GRAND JUNCTION CO	0.1	LIC	BLTTL	-20010814AAV
38	K38FO	CARBONDALE CO	82.1	LIC	BLTT	-20040714AAL
39	K39AF	GRAND JUNCTION, ETC. CO	0.0	LIC	BLTT	-19810724IK
39	K39HE	WOODY CREEK CO	112.8	LIC	BLTT	-20041104ASZ
40	KCXP-LP	ASPEN CO	118.7	CP	BPTTL	-20120306ABP
40	KCXP-LP	ASPEN CO	122.7	LIC	BLTTL	-20080229AAP
40	K40IO-D	CARBONDALE CO	82.1	LIC	BLDTT	-20091221AAZ
40	K40LR-D	PAONIA, ETC. CO	54.3	CP	BNPDTT	-20091015ACD
40	K40AF-D	BLANDING, MONTICELLO UT	175.6	LIC	BLDTT	-20090914ABB
41	K41JO	BROADMOOR CO	292.4	LIC	BLTTL	-20081110AIZ
41	K41JO	BROADMOOR CO	292.4	CP	BDFCDTL	-20090515ACB
41	K41LA-D	CARBONDALE CO	82.1	LIC	BLDTT	-20100503ACX
41	K41DE-D	CORTEZ CO	191.6	LIC	BLDTL	-20090817ABL
41	K41AH-D	CRESTED BUTTE CO	110.3	LIC	BLDTT	-20100301AAF
41	K41DJ	DEL NORTE-SOUTH FORK CO	233.7	LIC	BLTT	-19940725JD
41	KSBS-LD	DENVER CO	266.5	CP MOD	BMPDTL	-20120222AAB
41	KSBS-LD	DENVER CO	266.4	APP	BSTA	-20110929AMA
41	NEW	GATEWAY CO	31.1	APP	BNPDTL	-20100510AGC
41	K41DU-D	PARLIN CO	148.7	LIC	BLDTL	-20100527AFX
41	KZFC-LD	WINDSOR CO	338.2	CP	BDCCDTL	-20101119AGT
41	K41HU	FARMINGTON NM	266.0	APP	BNPTTL	-20000831BQY
41	K41FK	TOHATCHI NM	356.8	CP	BDFCDTT	-20080703ACC
41	K41FK	TOHATCHI NM	356.8	LIC	BLTT	-20021016AAR
41	K41LD-D	ANTIMONY UT	346.1	LIC	BLDTT	-20100625AWQ
41	K41LJ-D	EAST PRICE UT	229.8	LIC	BLDTT	-20110707ABJ
41	K41GV	EMERY UT	256.6	LIC	BLTT	-20030806AAY
41	K41DC	EUREKA UT	347.0	LIC	BLTT	-19910812JJ
41	K41LE-D	FOUNTAIN GREEN UT	293.1	LIC	BLDTT	-20100915AAB
41	K41DM	FRUITLAND UT	259.9	CP	BDFCDTT	-20111018ASI
41	K41DM	FRUITLAND/CURRANT CR UT	260.7	LIC	BLTT	-19940630IC
41	K41EB-D	GARFIELD COUNTY UT	350.5	LIC	BLDTT	-20080107AAL
41	K41JS-D	GREEN RIVER UT	205.5	LIC	BLDTT	-20080123ACF
41	K41JY-D	HENRIEVILLE UT	370.0	LIC	BLDTT	-20090528AAC
41	K41FZ-D	KOOSHAREM UT	318.9	LIC	BLDTT	-20080905AAA
41	K41LI-D	MAYFIELD UT	301.1	LIC	BLDTT	-20100414ABG
41	K41GT	MYTON UT	261.0	LIC	BLTT	-20040319AGI
41	K41LL-D	NEPHI UT	327.0	APP	BMPDTT	-20100706HNZ
41	K41LL-D	NEPHI UT	327.0	LIC	BLDTT	-20110722AAI
41	K41KA-D	PANGUITCH UT	394.3	LIC	BLDTT	-20100803ACT
41	K41KD-D	ROOSEVELT, ETC. UT	214.6	LIC	BLDTT	-20100111AGO
41	K41KD-D	ROOSEVELT, ETC. UT	214.6	CP	BPDTT	-20111020ABV
41	K41GA	RURAL SEVIER COUNTY UT	314.8	LIC	BLTT	-20030318AFD

41A	CO	CARBONDALE	BLDTT	20100503ACX	LIC
41N	CO	GRAND JUNCTION, ETC.	BLTT	19810724IL	LIC

After Analysis

Results for: 41A CO GATEWAY BNPDTL 20100510AGC APP

HAAT 434.0 m, ATV ERP 2.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	112492	3661.3
not affected by terrain losses	107454	2772.9
lost to NTSC IX	0	0.0
lost to additional IX by ATV	21307	358.6
lost to ATV IX only	21307	358.6
lost to all IX	21307	358.6

Potential Interfering Stations Included in above Scenario 1

41A CO CARBONDALE	BLDTT	20100503ACX	LIC
41A CO GJ	USERRECORD01		APP

The following station failed the de minimis interference criteria.

41D CO GJ USERRECORD01
ERP 0.50 kW HAAT 888.0 m RCAMSL 3053.0 m
Antenna none

Due to interference to the following station and scenario: 1

41D CO GATEWAY BNPDTL 20100510AGC
ERP 2.00 kW HAAT 434.0 m RCAMSL 1923.0 m
Antenna CDB 00000000099707

Percent new interference from proposal: 7.9006 to BNPDTL 20100510AGC

Worst case new IX 7.9006% Scenario 1

Proposed station is MX

41A CO GJ	USERRECORD01	APP
41A CO GATEWAY	BNPDTL 20100510AGC	APP

Proposal MX with BNPDTL 20100510AGC scenario 1 of station 19

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