

Study of interference BLTT-19810724IL 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: 13:21:36

Record Selected for Analysis

K41AE BLTT -19810724IL GRAND JUNCTION, ETC. CO US
Channel 41 ERP 1.22 kW HAAT 01371 m RCAMSL 03053 m
Latitude 039-05-20 Longitude 0108-13-35
Status LIC Zone Border Offset N
Last update 00000000 Cutoff date 00000000 Docket
Comments
Applicant MESA COUNTY

Cell Size for Service Analysis 1.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station
Service Class = TX
Maximum height/power limits not checked

Site number	1			
Azimuth	ERP	HAAT	74.0 dBu F(50,50)	
(Deg)	(kW)	(m)	(km)	
0.0	0.059	1182.1	9.5	
45.0	0.059	1194.2	9.5	
90.0	1.220	504.5	19.6	
135.0	1.220	33.0	5.0	
180.0	1.220	539.1	20.2	
225.0	0.059	1072.5	9.3	
270.0	0.059	1334.9	9.7	
315.0	0.059	1248.3	9.6	

Database HAAT(MAX) does not agree with computed HAAT(MAX)
Database HAAT(MAX): 1371 Computed HAAT(MAX): 1335

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

No Spacing violations or contour overlap from LPTV station

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

Contour Overlap Evaluation from LPTV Station to LPTV Stations

Contour overlap to station
K41LA-D 41 CARBONDALE CO BLDTT 20100503ACX

Station inside contour of station
NEW 41 GATEWAY CO BNPDTL 20100510AGC

Contour Overlap Evaluation from LPTV to LPTV Stations Complete

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
41	K41AE	GRAND JUNCTION, ETC. CO	BLTT 19810724IL

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
41	K41LA-D	CARBONDALE CO	82.1	LIC	BLDTT	-20100503ACX
41	NEW	GATEWAY CO	31.1	APP	BNPDTL	-20100510AGC

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
41	NEW	GATEWAY CO	BNPDTL	-20100510AGC

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
40	K40IO-D	CARBONDALE CO	112.5	LIC	BLDTT	-20091221AAZ
40	K40LR-D	PAONIA, ETC. CO	72.2	CP	BNPDTT	-20091015ACD
41	K41LA-D	CARBONDALE CO	112.5	LIC	BLDTT	-20100503ACX
41	K41DE-D	CORTEZ CO	173.5	LIC	BLDTL	-20090817ABL
41	K41AE	GRAND JUNCTION, ETC. CO	31.1	LIC	BLTT	-19810724IL
41	K41GT	MYTON UT	254.9	LIC	BLTT	-20040319AGI
42	K42JR-D	PAONIA CO	72.2	LIC	BLDTT	-20110708ABY

Total scenarios = 1

Result key: 1
Scenario 1 Affected station 2
Before 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	35	8.0
lost to ATV IX only	35	8.0
lost to all IX	35	8.0

Potential Interfering Stations Included in above Scenario 1

41A CO CARBONDALE BLDTT 20100503ACX 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	13917	174.3
lost to additional IX by ATV	0	0.0
lost to ATV IX only	35	8.0
lost to all IX	13917	174.3

Potential Interfering Stations Included in above Scenario 1

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

The following station failed the de minimis interference criteria.

41N CO GRAND JUNCTION, ETC. BLTT 19810724IL
ERP 1.22 kW HAAT 1371.0 m RCAMSL 3053.0 m
Antenna 9999999999999999

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: 12.9232 to BNPDTL 20100510AGC

Worst case new IX 12.9232% Scenario 1

Proposed station is MX

41N CO GRAND JUNCTION, ETC. BLTT 19810724IL LIC
41A CO GATEWAY BNPDTL 20100510AGC APP

Proposal MX with BNPDTL 20100510AGC scenario 1 of station 2

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