

FIGURE 1 (6 Pages)

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/cdbbs/pt_tvdb.sff
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 08-10-2010 Time: 17:10:53

Record Selected for Analysis

MONT USERRECORD-01 MONTGOMERY2 AL US
Channel 04 ERP 0.3 kW HAAT 95. m RCAMSL 00154 m STRINGENT MASK
Latitude 032-22-27 Longitude 0086-17-08
Status APP Zone 2 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	43.0 dBu F(50,90)	
(Deg)	(kW)	(m)	(km)	
0.0	0.300	100.0	32.3	
45.0	0.300	95.6	31.7	
90.0	0.300	86.7	30.4	
135.0	0.300	89.1	30.8	
180.0	0.300	90.2	31.0	
225.0	0.300	95.4	31.7	
270.0	0.300	108.0	33.4	
315.0	0.300	94.8	31.6	

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 2.28km from AM station

MONTGOMERY AL WXVI Status: L Antenna: DA2

Start of Interference Analysis

Channel	Call	Proposed Station City/State	ARN
04	MONT	MONTGOMERY2 AL	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
03	WDVZ-CA	MOUNDVILLE AL	144.4	CP	BDFCDVA -20090824ABE
03	WDVZ-CA	MOUNDVILLE AL	144.4	LIC	BLTVA -20040107AAH
04	W04DN-D	AUBURN AL	78.9	CP	BNPDVL -20091020AAP
04	W04DG-D	BIRMINGHAM AL	132.6	CP	BDCCDVL -20061012ACT
04	W04DO-D	DOTHAN AL	151.1	CP	BNPDVL -20090825ANB
04	W04CB	SYLACAUGA AL	85.1	LIC	BLTTV -19910325JE
04	WUVM-LP	ATLANTA GA	241.3	LIC	BLTVL -20030523AEX
04	W04DE	LAUREL MS	273.4	LIC	BLTVL -20080620AGI

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
03	WDVZ-CA	MOUNDVILLE AL	BDFCDVA -20090824ABE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
03	NEW	APALACHICOLA FL	371.1	CP	BNPCDT -20060424ABV
03	W03BP-D	STARKVILLE MS	123.3	CP	BNPDVL -20091020AAO
04	MONT	MONTGOMERY2 AL	144.4	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
03	WDVZ-CA	MOUNDVILLE AL	BLTVA -20040107AAH

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
03	NEW	APALACHICOLA FL	371.1	CP	BNPCDT -20060424ABV
04	MONT	MONTGOMERY2 AL	144.4	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 3

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
04	W04DN-D	AUBURN AL	BNPDVL	-20091020AAP

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
04	W04DO-D	DOTHAN AL	150.9	CP	BNPDVL	-20090825ANB
04	W04CB	SYLACAUGA AL	93.2	LIC	BLTTV	-19910325JE
04	WUVM-LP	ATLANTA GA	171.3	LIC	BLTVL	-20030523AEX
04	MONT	MONTGOMERY2 AL	78.9	APP	USERRECORD-01	

Total scenarios = 1

Result key: 1
Scenario 1 Affected station 3
Before Analysis

Results for: 4A AL AUBURN BNPDLV 20091020AAP CP
HAAT 90.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	97401	1734.1
not affected by terrain losses	97401	1734.1
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: 4A AL AUBURN BNPDLV 20091020AAP CP
HAAT 90.0 m, ATV ERP 0.3 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	97401	1734.1
not affected by terrain losses	97401	1734.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	1109	46.9
lost to ATV IX only	1109	46.9
lost to all IX	1109	46.9

Potential Interfering Stations Included in above Scenario 1

4A AL MONTGOMERY2 USERRECORD01 APP

Percent new IX = 1.1386%

Worst case new IX 1.1386% Scenario 1

#####

Analysis of Interference to Affected Station 4

Analysis of current record

Channel	Call	City/State	Application Ref. No.
04	W04DG-D	BIRMINGHAM AL	BDCCDVL -20061012ACT

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
04	W04CB	SYLACAUGA AL	63.8	LIC	BLTTV -19910325JE
04	MONT	MONTGOMERY2 AL	132.6	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 5

Analysis of current record

Channel	Call	City/State	Application Ref. No.
04	W04DO-D	DOTHAN AL	BNPDVL -20090825ANB

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
03	NEW	APALACHICOLA FL	99.6	CP	BNPCDT -20060424ABV
04	W04DN-D	AUBURN AL	150.9	CP	BNPDVL -20091020AAP
04	MONT	MONTGOMERY2 AL	151.1	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 6

Analysis of current record

Channel	Call	City/State	Application Ref. No.
04	W04CB	SYLACAUGA AL	BLTTV -19910325JE

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
04	W04DN-D	AUBURN AL	93.2	CP	BNPDVL -20091020AAP
04	W04DG-D	BIRMINGHAM AL	63.8	CP	BDCCDVL -20061012ACT
04	MONT	MONTGOMERY2 AL	85.1	APP	USERRECORD-01

Proposal causes no interference

#####

Analysis of Interference to Affected Station 7

Analysis of current record

Channel	Call	City/State	Application Ref. No.
04	WUVM-LP	ATLANTA GA	BLTVL -20030523AEX

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
04	MONT	MONTGOMERY2 AL	241.3	APP	USERRECORD-01
Proposal causes no interference					

#####

Analysis of Interference to Affected Station 8

Analysis of current record

Channel	Call	City/State	Application Ref. No.
04	W04DE	LAUREL MS	BLTVL -20080620AGI

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
04	MONT	MONTGOMERY2 AL	273.4	APP	USERRECORD-01
Proposal causes no interference					

#####

FINISHED FINISHED FINISHED FINISHED FINISHED FINISHED