

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: 10-09-2012 Time: 13:26:32

Record Selected for Analysis

K39CP USERRECORD-01 US
Channel 39 ERP 2. kW HAAT 195. m RCAMSL 00299 m
Latitude 036-48-04 Longitude 0090-27-06
Status APP Zone 2 Border Offset +
Dir Antenna Make CDB Model 00000000017104 Beam tilt N Ref Azimuth 110.
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 = 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	0.098	169.3	5.9
45.0	0.453	163.1	8.6
90.0	1.642	190.4	12.6
135.0	1.481	195.4	12.4
180.0	0.378	191.4	8.8
225.0	0.076	171.0	5.5
270.0	0.042	152.5	4.4
315.0	0.030	137.2	3.8

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

Contour overlap to station
WJKT 39 JACKSON TN BLCDT 20050323AER

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

Contour Overlap Evaluation from LPTV Station to LPTV Stations

Station inside contour of station
K39CP 39 POPLAR BLUFF MO BLTT 19930329IE

Contour Overlap Evaluation from LPTV to LPTV Stations Complete

Contour Overlap to Proposed Station

Station
K39CP 39 POPLAR BLUFF MO BLTT19930329IE

Is inside contour of station
K39CP 39 USERRECORD01

Contour Overlap Evaluation to Proposed Station Complete

NO LANDMOBILE SPACING VIOLATIONS FOUND

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

		Proposed Station	
Channel	Call	City/State	ARN
39	K39CP		USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	WJKT	JACKSON TN	165.0	LIC	BLCDT	-20050323AER

%%%

Analysis of Interference to Affected Station 1

Analysis of current record

Channel	Call	City/State	Application	Ref. No.
39	WJKT	JACKSON TN	BLCDT	-20050323AER

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
39	WBIQ	BIRMINGHAM AL	331.3	CP MOD	BMPEDT	-20110922ACV
39	KASN	PINE BLUFF AR	320.2	LIC	BLCDT	-20020904AAF
39	WAVV-TV	TERRE HAUTE IN	412.4	LIC	BLCDT	-20090618AAW
39	KETC	ST. LOUIS MO	320.5	LIC	BLEDT	-20090804ABV
39	K39CP		165.0	APP	USERRECORD-01	

Proposal causes no interference

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Analysis of Interference to Affected Station 2

Analysis of current record

Channel	Call	City/State	Application Ref. No.
39	K39CP		USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
32	WPSD-TV	PADUCAH KY	137.6	LIC	BLCDT -20040227ABD
39	K39LS-D	JONESBORO AR	93.5	CP	BNPDTL -20100519AAL
39	KASN	PINE BLUFF AR	306.9	LIC	BLCDT -20020904AAF
39	KWOG	SPRINGDALE AR	350.3	LIC	BLCDT -20070820ABS
39	WAVV-TV	TERRE HAUTE IN	381.3	LIC	BLCDT -20090618AAW
39	KETC	ST. LOUIS MO	186.9	LIC	BLEDT -20090804ABV
39	WJKT	JACKSON TN	165.0	LIC	BLCDT -20050323AER

Total scenarios = 1

Result key: 1
 Scenario 1 Affected station 2
 Before Analysis

Results for: 39N	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	25080	209.1
not affected by terrain losses	25080	209.1
lost to NTSC IX	0	0.0
lost to additional IX by ATV	605	7.8
lost to all IX	605	7.8

Potential Interfering Stations Included in above Scenario 1

39A AR JONESBORO	BNPDTL	20100519AAL	CP
39A TN JACKSON	BLCDT	20050323AER	LIC

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