

Census data selected: 2000

Post DTV Transition Database Selected

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 12-15-2009 Time: 10:08:52

Record Selected for Analysis

WLFM-LP USERRECORD-01 CHICAGO IL US  
Channel 06 ERP 3. kW HAAT 390. m RCAMSL 00566 m  
Latitude 041-53-56 Longitude 0087-37-23  
Status APP Zone 1 Border Offset -  
Dir Antenna Make CDB Model 00000000080573 Beam tilt N Ref Azimuth 277.  
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

Facility meets maximum power limit

Azimuth (Deg)	ERP (kW)	HAAT (m)	62.0 dBu F(50,50) (km)
0.0	0.117	390.0	19.0
45.0	0.009	390.0	9.8
90.0	0.002	390.0	5.3
135.0	0.021	390.0	12.3
180.0	0.874	385.7	30.8
225.0	2.927	384.9	40.3
270.0	2.966	379.7	40.2
315.0	1.453	380.4	34.5

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

**FCC Form 346, Exhibit 8, Attachment A  
Amendment to BPTVL-20090630ABM  
Venture Technologies Group, LLC**

Contour overlap to station

NEW            6 DIXON                            IL BNPDLV            20090825BOQ

Contour Overlap Evaluation from LPTV to LPTV Stations Complete

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quiet zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance

Distance to border =    368.4km

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

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Start of Interference Analysis

	Proposed Station			
Channel	Call	City/State		ARN
06	WLFM-LP	CHICAGO IL		USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
06	NEW	DIXON IL	131.1	APP	BNPDVL -20090825BOQ

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Analysis of Interference to Affected Station    1

Analysis of current record

Channel	Call	City/State	Application Ref. No.
06	NEW	DIXON IL	BNPDVL        -20090825BOQ

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
06	NEW	MONTICELLO IN	244.2	APP	BNPDVL        -20090825ABW
06	WLFM-LP	CHICAGO IL	131.1	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.
06	WLFM-LP	CHICAGO IL	USERRECORD-01

Stations Potentially Affecting This Station

Chan	Call	City/State	Dist(km)	Status	Application Ref. No.
06	NEW	DIXON IL	131.1	APP	BNPDVL -20090825BOQ
06	NEW	COLUMBIA IN	369.8	APP	BDCCDVL -20061030AQR
06	W27CT	COLUMBIA IN	369.8	APP	BDISDVL -20070122AKO
06	NEW	MONTICELLO IN	144.8	APP	BNPDVL -20090825ABW

Total scenarios = 1

Result key: 1

Scenario 1 Affected station 2 WLFM-LP

Before Analysis

Results for: 6N IL CHICAGO	USERRECORD01	APP
	POPULATION	AREA (sq km)
within Noise Limited Contour	5132090	2388.4
not affected by terrain losses	5132090	2388.4
lost to NTSC IX	0	0.0
lost to additional IX by ATV	0	0.0
lost to all IX	0	0.0

Potential Interfering Stations Included in above Scenario 1

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