

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

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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