

Summary Study

Percent allowed new interference: 0.500
Percent allowed new interference to Class A: 0.500
Census data selected 2000
Post Transition Data Base Selected ./data_files/pt_tvdb.sff

TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-10-2009 Time: 22:43:37

Record Selected for Analysis

WGUV-TV- USERRECORD-01 GRAND RAPIDS MI US
Channel 11 ERP 41.5 kW HAAT 258. m RCAMSL 00462 m
Latitude 042-57-35 Longitude 0085-53-45
Status APP Zone 1 Border
Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 0.
Last update Cutoff date Docket
Comments
Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Facility does not meet maximum height/power limits
Channel 11 ERP = 41.50 HAAT = 258.

Azimuth (Deg)	ERP (kW)	HAAT (m)	36.0 dBu F(50,90) (km)
0.0	41.500	256.0	101.6
45.0	13.721	245.6	92.3
90.0	10.375	247.3	90.3
135.0	13.721	258.9	93.1
180.0	41.500	253.3	101.5
225.0	13.721	263.1	93.3
270.0	10.375	271.4	91.4
315.0	13.721	269.3	93.5

Evaluation toward Class A Stations

No Spacing violations or contour overlap to Class A stations

Class A Evaluation Complete

SPACING VIOLATION FOUND BETWEEN STATION

WGUV-TV- 11 GRAND RAPIDS MI USERRECORD01

and station

SHORT TO: WTTW 11 CHICAGO IL BMLET 20040311ACM
041-52-44 0087-38-8
Req. separation 244.6 Actual separation 186.9 Short 57.7 km

SHORT TO: WGUV-TV 11 GRAND RAPIDS MI DTVPLN DTVP0322
42-57-35 85-53-45
Req. separation 244.6 Actual separation 0.0 Short 244.6 km

SHORT TO: WLUK-TV 11 GREEN BAY WI BLCT 1148
044-24-31 0087-59-29
Req. separation 244.6 Actual separation 233.4 Short 11.2 km

SHORT TO: WLUK-TV 11 GREEN BAY WI DTVPLN DTVP0355
44 -24-31 87 -59-29
Req. separation 244.6 Actual separation 233.4 Short 11.2 km

SHORT TO: WLUK-TV 11 GREEN BAY WI BPCDT 20080313AAM
044-24-32 0087-59-31
Req. separation 244.6 Actual separation 233.4 Short 11.2 km

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 = 240.2km
Proposed facility is beyond the Mexican coordination distance
Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station	ARN
11	Call City/State WGVU-TV- GRAND RAPIDS MI	USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
10	WILX-TV	ONONDAGA MI	122.4	PLN	DTVPLN	-DTVP0264
10	WILX-TV	ONONDAGA MI	122.4	CP	BPCDT	-20080403ADB
11	WLFI-TV	LAFAYETTE IN	291.9	LIC	BLCDT	-20040520AIX
11	WLFI-TV	LAFAYETTE IN	291.9	PLN	DTVPLN	-DTVP0313
11	WBKB-TV	ALPENA MI	271.5	PLN	DTVPLN	-DTVP0321
11	WBKB-TV	ALPENA MI	271.5	CP MOD	BMPCDT	-20080521AAC
11	WTOL	TOLEDO OH	251.4	CP MOD	BMPCDT	-20081124AKP
11	WTOL	TOLEDO OH	251.4	PLN	DTVPLN	-DTVP0335
11	WLUK-TV	GREEN BAY WI	233.0	PLN	DTVPLN	-DTVP0355
11	WLUK-TV	GREEN BAY WI	233.1	CP	BPCDT	-20080313AAM
12	WBBM-TV	CHICAGO IL	186.6	PLN	DTVPLN	-DTVP0373
12	WBBM-TV	CHICAGO IL	186.6	CP	BPCDT	-20080328ADQ
12	WINM	ANGOLA IN	190.0	LIC	BLCDT	-20021025AAN
12	WINM	ANGOLA IN	190.0	PLN	DTVPLN	-DTVP0374
12	WJRT-TV	FLINT MI	152.0	PLN	DTVPLN	-DTVP0378
12	WJRT-TV	FLINT MI	152.1	CP	BPCDT	-20080610AAJ

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Study of this proposal found the following interference problem(s):
NONE.