

Post-Transition DTV Considerations

A study was performed using the FCC's software program, *tv_study*, v.2.2.2, to determine if the facility proposed herein is predicted to cause new prohibited interference to post reassignment DTV station, construction permits, DTV allotments, or Class A DTV stations. As demonstrated in the attached study results, the instant proposal is predicted to cause no new interference exceeding 0.5% to the populations served by any post reassignment DTV station, construction permit, allotment, or Class A DTV stations. In addition, the attached study also demonstrates that the proposed service area resulting from the technical facility proposed herein is within the baseline service area plus 1%. Accordingly, the instant proposal satisfies all applicable DTV coverage and DTV interference criteria.

International DTV Considerations

As shown in the attached study, the transmitter site specified herein is within 320 kilometers of the common border between the United States of America and Canada. As demonstrated in the attached study, the assigned, post transition, technical facility proposed herein satisfies DTV interference criteria with respect to all relevant Canadian allotments, applications and assignments.

tvstudy v2.2.2
Database: localhost, Study: WGCE_38H_174C_4P08K, Model: Longley-Rice
Start: 2017.06.21 16:47:06

Study created: 2017.06.21 16:46:59

Study build station data: LMS TV 2017-06-19 (18)

Proposal: WGCE-CD D26 DC APP ROCHESTER, NY
File number: WGCE_38H_174C_4P08K
Facility ID: 58739
Station data: User record
Record ID: 677
Country: U.S.

Non-U.S. records included

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
WSKA	D25	DT	BL	CORNING, NY	DTVBL78908	126.9 km
WTVU-CD	D25	DC	BL	SYRACUSE, NY	DTVBL617	125.4
WGGB-TV	D26	DT	CP	SPRINGFIELD, MA	BLANK0000024834	425.8
WGGB-TV	D26	DT	BL	SPRINGFIELD, MA	DTVBL25682	425.8
WBFF	D26	DT	BL	BALTIMORE, MD	DTVBL10758	437.0
WGPT	D26	DT	BL	OAKLAND, MD	DTVBL40619	441.0
WFUT-DT	D26	DT	APP	NEWARK, NJ	BLANK0000025093	409.6
WFUT-DT	D26	DT	BL	NEWARK, NJ	DTVBL60555	409.6
WPBS-DT	D26	DT	BL	WATERTOWN, NY	DTVBL62136	176.0
WFXP	D26	DT	BL	ERIE, PA	DTVBL19707	231.8
WYLN-LP	D26	DC	BL	HAZLETON, PA	DTVBL68135	285.5
WIVT	D27	DT	BL	BINGHAMTON, NY	DTVBL11260	190.7
WIXT-CD	D27	DC	BL	DEWITT, NY	DTVBL14312	132.1
WQLN	D27	DT	BL	ERIE, PA	DTVBL53716	231.4
CBLFT-DT	D25	DT	LIC	TORONTO, ON	BLANKCANADA235	145.2
CKCO-TV-3	D26	DT	LIC	SARNIA, ON	BLANKCANADA216	364.5

CJMT-DT	D26	DT	LIC	TORONTO, ON	BLANKCANADA236	145.2
CIVM-DT	D26	DT	LIC	MONTRAL, QC	BLANKCANADA277	422.1
CIII-DT-27D27		DT	LIC	PETERBOROUGH, ON	BLANKCANADA213	104.4

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

NEW 1220 A DA2 D GREECE, NY BNP20040126AKQ

NEW 1220 A DA2 N GREECE, NY BNP20040126AKQ

Record parameters as studied:

Channel: D26

Mask: Stringent

Latitude: 43 11 14.20 N (NAD83)

Longitude: 77 42 8.00 W

Height AMSL: 174.0 m

HAAT: 38.0 m

Peak ERP: 4.08 kW

Antenna: Omnidirectional

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	4.08 kW	85.8 m	35.7 km
45.0	4.08	79.8	34.9
90.0	4.08	46.3	28.9
135.0	4.08	12.7	24.5
180.0	4.08	9.1	24.5
225.0	4.08	-0.8	24.5
270.0	4.08	4.2	24.5
315.0	4.08	66.7	32.9

Proposal service area is within baseline plus 1.0%

Proposal service area population is more than 95.0% of baseline

**Proposal 24.95 dBu contour crosses Canadian border, coordination required

Distance to Canadian border: 88.2 km

Distance to Mexican border: 2571.7 km

Conditions at FCC monitoring station: Canandaigua NY

Bearing: 130.5 degrees Distance: 46.7 km

ERP: 4.08 kW Field strength: 38.8 dBu, 0.1 mV/m

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 271.0 degrees Distance: 2299.3 km

Study cell size: 2.00 km

Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

Interference to DTVBL78908 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL617 BL, scenario 1
Proposal causes no interference.

Interference to BLANK0000024834 CP, scenario 1
Proposal causes no interference.

Interference to BLANK0000024834 CP, scenario 2
Proposal causes no interference.

Interference to DTVBL25682 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL25682 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL10758 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL10758 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL10758 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL10758 BL, scenario 4
Proposal causes no interference.

Interference to DTVBL40619 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL40619 BL, scenario 2
Proposal causes no interference.

Interference to BLANK0000025093 APP, scenario 1
Proposal causes no interference.

Interference to BLANK0000025093 APP, scenario 2
Proposal causes no interference.

Interference to BLANK0000025093 APP, scenario 3
Proposal causes no interference.

Interference to BLANK0000025093 APP, scenario 4
Proposal causes no interference.

Interference to DTVBL60555 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL60555 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL60555 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL60555 BL, scenario 4
Proposal causes no interference.

Interference to DTVBL62136 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL62136 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL62136 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL62136 BL, scenario 4
Proposal causes no interference.

Interference to DTVBL19707 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL19707 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL68135 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL68135 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL68135 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL68135 BL, scenario 4
Proposal causes no interference.

Interference to DTVBL68135 BL, scenario 5
Proposal causes no interference.

Interference to DTVBL68135 BL, scenario 6
Proposal causes no interference.

Interference to DTVBL68135 BL, scenario 7
Proposal causes no interference.

Interference to DTVBL68135 BL, scenario 8
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 4
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 5
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 6
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 7
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 8
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 9
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 10
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 11
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 12
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 13
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 14
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 15
Proposal causes no interference.

Interference to DTVBL11260 BL, scenario 16
Proposal causes no interference.

Interference to DTVBL14312 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL14312 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL53716 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL53716 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL53716 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL53716 BL, scenario 4
Proposal causes no interference.

Interference to BLANKCANADA235 LIC, scenario 1
Proposal causes no interference.

Interference to BLANKCANADA235 LIC, scenario 2
Proposal causes no interference.

Interference to BLANKCANADA216 LIC, scenario 1
Proposal causes no interference.

Interference to BLANKCANADA216 LIC, scenario 2
Proposal causes no interference.

Interference to BLANKCANADA236 LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	CJMT-DT	D26	DT	LIC	TORONTO, ON	BLANKCANADA236	
Undesireds:	WGCE-CD	D26	DC	BL	ROCHESTER, NY	DTVBL58739	145.2 km
	WGCE-CD	D26	DC	APP	ROCHESTER, NY	WGCE_38H_174C_4P08K	145.2
	WPBS-DT	D26	DT	BL	WATERTOWN, NY	DTVBL62136	294.9
	WFXP	D26	DT	BL	ERIE, PA	DTVBL19707	186.5
	CBLFT-DT	D25	DT	LIC	TORONTO, ON	BLANKCANADA235	0.0
	CKCO-TV-3	D26	DT	LIC	SARNIA, ON	BLANKCANADA216	245.5
	CIII-DT-27D27	DT	LIC		PETERBOROUGH, ON	BLANKCANADA213	110.5

	Service area		Terrain-limited		IX-free, before		IX-free, after	Percent	New IX
	3013.6	253,667	3013.6	253,667	3013.6	253,667	3013.6	253,667	0.00 0.00
(in U.S.)									
	17762.3	7,391,590	17682.4	7,390,862	17558.5	7,370,965	17558.5	7,370,965	0.00 0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
WGCE-CD D26 DC BL	8.0	0	4.0	0
WGCE-CD D26 DC APP	8.0	0	4.0	0
WFXP D26 DT BL	75.7	3,373	71.7	1,672
CKCO-TV-3 D26 DT LIC	36.1	18,225	32.1	16,524
CIII-DT-27 D27 DT LIC	12.0	0	8.0	0

Interference to BLANKCANADA277 LIC, scenario 1
Proposal causes no interference.

Interference to BLANKCANADA277 LIC, scenario 2
Proposal causes no interference.

Interference to BLANKCANADA213 LIC, scenario 1
Proposal causes no interference.

Interference to BLANKCANADA213 LIC, scenario 2
Proposal causes no interference.

Interference to BLANKCANADA213 LIC, scenario 3
Proposal causes no interference.

Interference to BLANKCANADA213 LIC, scenario 4
Proposal causes no interference.

Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGCE-CD	D26	DC	APP	ROCHESTER, NY	WGCE_38H_174C_4P08K	
Undesireds:	WTVU-CD	D25	DC	BL	SYRACUSE, NY	DTVBL617	125.4 km
	WPBS-DT	D26	DT	BL	WATERTOWN, NY	DTVBL62136	176.0
	WFXP	D26	DT	BL	ERIE, PA	DTVBL19707	231.8
	WYLN-LP	D26	DC	BL	HAZLETON, PA	DTVBL68135	285.5
	CJMT-DT	D26	DT	LIC	TORONTO, ON	BLANKCANADA236	145.2
	CIII-DT-27D27	D27	DT	LIC	PETERBOROUGH, ON	BLANKCANADA213	104.4

Service area		Terrain-limited			IX-free		Percent IX
2689.5	740,126	2677.5	739,611	2669.6	739,032	0.30	0.08
Undesired			Total IX		Unique IX	Prcnt Unique IX	
WPBS-DT D26 DT BL		4.0	450	4.0	450	0.15	0.06
CJMT-DT D26 DT LIC		4.0	129	4.0	129	0.15	0.02