

ENGINEERING STATEMENT

Metro TV, Inc.
February, 2020

Metro TV, Inc. (“Metro”), licensee of WWLF-LP, Syracuse, NY, (Fac. ID #14324), is hereby requesting a very minor change of its construction permit (0000067661) so as to commence digital operation as a flash cut on its present UHF channel 35.

Metro proposes a minor change to the authorized azimuth of the antenna and a reduction of the ERP. Further, the parameters proposed will not cause interference to any other station pre- or post repack.

A TV Study report is attached with the results indicating no prohibitive interference to any other authorizations. The attached map depicts that the proposed modification would not extend the 25.77 dBu (50,10) interfering contour at any azimuth toward Canada. Therefore, referral to or concurrence from Canada is not required.

Impedance measurements of WOLF(AM), Syracuse, NY (Fac. ID #73380) will be performed as required in Section 1.30003(a) of the Commission’s Rules.

As implementation of the facilities requested herein are proposed to be constructed in conjunction with the transition of other Class A stations (WTVU-CD, WONO-CD, WHSU-CD, WIXT-CD) on the same tower, Metro respectfully requests expedited consideration for processing its proposed minor change for WWLF-LP so as to be able to commence operation in Phase 8 of the repack where the final Syracuse, NY market re-scan will occur with the conclusion of the remaining full-power and Class A stations transitioning in Phase 8.

WWLF-LD, Syracuse, NY - Proposed Modification

Study created: 2020.02.09 16:07:21

Study build station data: LMS TV 2020-02-02

Proposal: WWLF-LP D35Z LD APP SYRACUSE, NY
 File number: BLANK0000053619
 Facility ID: 14324
 Station data: User record
 Record ID: 219
 Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Search options:

Non-U.S. records included

Baseline record excluded if station has CP

Individual records excluded:

0000001647 WONO-CD D34 DC LIC SYRACUSE, ETC., NY BLANK0000001647
 20050922ACH WWLF-LP N35Z TX LIC SYRACUSE, NY BLTTA20050922ACH

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WNGJ-LP	N20-	TX	LIC	OGDENSBURG, NY	BLTTTL20110318AEZ	185.9 km
No	WAWW-LP	N20-	TX	LIC	ROCHESTER, NY	BLTTTL20121029AAV	115.5
No	W31BP	N31+	TX	LIC	BURLINGTON, ETC., NY	BLTTTL19980120JE	91.6
No	WKBW-TV	D34	DT	CP	BUFFALO, NY	BLANK0000034829	205.3
No	W07BJ	D34z	LD	CP	ITHACA, NY	BLANK0000054763	74.2
No	WVTT-CD	D34	DC	LIC	OLEAN, NY	BLDTA20141217ABD	206.4
No	WYCI	D34	DT	LIC	SARANAC LAKE, NY	BLANK0000078627	217.1
Yes	WFXV	D34	DT	CP	UTICA, NY	BLANK0000029986	81.0
No	WSWB	D34	DT	LIC	SCRANTON, PA	BLANK0000079375	183.9
No	WHCT-LD	D35	LD	LIC	HARTFORD, NEW HAVEN, CT	BLANK0000100354	312.4
No	W38DL-D	D35	LD	CP	ADAMS, MA	BLANK0000053980	248.7
No	WHDH	D35	DT	LIC	BOSTON, MA	BLANK0000088833	412.8
No	WNJU	D35	DT	LIC	LINDEN, NJ	BLANK0000079780	315.7
Yes	WENY-TV	D35	DT	LIC	ELMIRA, NY	BLANK0000104138	126.2
Yes	WENY-TV	D35	DT	CP	ELMIRA, NY	BLANK0000034793	126.2
Yes	WNYF-CD	D35	DC	LIC	WATERTOWN, NY	BLDTL20090924ABW	105.6
No	NEW	D35	LD	APP	ERIE, PA	BNPDTL20090825BID	339.0
No	WJAC-TV	D35	DT	LIC	JOHNSTOWN, PA	BLANK0000080232	379.1
No	WGAL	D35	LD	LIC	LANCASTER, PA	BLANK0000078573	307.1
No	WFPA-CD	D35	DC	LIC	PHILADELPHIA, PA	BLANK0000079887	344.1
No	WPXW-TV	D35	DT	LIC	MANASSAS, VA	BLANK0000098055	461.8

					WWLF_35_5kw_220T_brief200209.txt	
No	WNLO	D36	DT	CP	BUFFALO, NY	BLANK0000075350 205.2
No	WENY-TV	D36	DT	LIC	ELMIRA, NY	BLCDT20090730AAH 126.2
No	WCFE-TV	D36	DT	CP	PLATTSBURGH, NY	BLANK0000034025 258.0
No	WHSB-LP	N36z	TX	LIC	ROCHESTER, NY	BLTTL20040225AAD 115.5
No	WSPX-TV	D36	DT	LIC	SYRACUSE, NY	BLANK0000081964 17.1
No	WNGN-LD	D36	LD	LIC	TROY, NY	BLANK0000082225 214.7
No	W47AO-D	D36-	DC	CP	BERWICK, PA	BLANK0000034699 228.2
No	WSWB	D36	LD	LIC	SCRANTON, PA	BLCDT20091217AEX 169.8
No	CFGS-DT	D34	DT	LIC	GATINEAU, QC	BLANKCANADA266 272.9
No	CHCJ-DT	D35	DT	LIC	HAMILTON, ON	BLANKCANADA174 300.1
No	CHRO-DT-43D35		DT	LIC	OTTAWA, ON	BLANKCANADA207 244.7
No	CFTO-DT-54D35		DT	LIC	PETERBOROUGH, ON	BLANKCANADA214 244.7
No	CFJP-DT	D35	DT	LIC	MONTRAL, QC	BLANKCANADA279 340.5

Non-directional AM stations within 0.8 km:
WOLF 1490 L ND2 D SYRACUSE, NY BL20150609ABO
WOLF 1490 L ND2 N SYRACUSE, NY BL20150609ABO

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D35z
Mask: Full Service
Latitude: 43 3 30.00 N (NAD83)
Longitude: 76 9 59.00 W
Height AMSL: 203.3 m
HAAT: 0.0 m
Peak ERP: 5.00 kw
Antenna: BOG-B8UA (ID 18179) 220.0 deg
Elev Pattn: Generic
Elec Tilt: 1.00

50.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.612 kw	80.9 m	24.4 km
45.0	0.259	80.7	19.9
90.0	1.10	71.5	26.2
135.0	4.66	-35.7	24.2
180.0	4.23	-10.3	23.8
225.0	4.85	-44.4	24.4
270.0	4.42	40.8	26.9
315.0	4.16	83.2	34.5

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 33 m

**Proposal 25.77 dBu contour crosses Canadian border, coordination required

Distance to Canadian border: 81.5 km

Distance to Mexican border: 2672.4 km

Conditions at FCC monitoring station: Canandaigua NY

Bearing: 260.2 degrees Distance: 90.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 272.3 degrees Distance: 2424.3 km

Study cell size: 1.00 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%

No IX check failures found.

WWLF-LP/LD, Syracuse, NY - Comparison of CP & Proposed 25.77 dBu (50,10) Contours

WWLF-LP-D.A

Latitude: 43-03-30 N
Longitude: 076-09-59 W
ERP: 5.00 kW
Channel: 35
Frequency: 599.0 MHz
AMSL Height: 203.3 m
Elevation: 114.3 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 1.0
Prop Model: NoProp

WWLF-LP-D.C

0000053619
Latitude: 43-03-30 N
Longitude: 076-09-59 W
ERP: 15.00 kW
Channel: 35
Frequency: 599.0 MHz
AMSL Height: 203.3 m
Elevation: 114.3 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 1.0
Prop Model: NoProp

