

ENGINEERING STATEMENT

Metro TV, Inc.
February, 2020

Metro TV, Inc. (“Metro”), licensee of WBLZ-LD, Syracuse, NY, (Fac. ID #64353), is hereby requesting a very minor change of its construction permit (0000052577) so as to utilize the existing channel 22 antenna of WTVU-CD, Syracuse, NY (Fac. ID #617), but not before WTVU-CD has transitioned to channel 25 in Phase 8 of the TV repack. The CP for WBLZ-LD is channel 22, the same channel that WTVU-CD is vacating.

Metro proposes to share the existing antenna with WHSU-CD, Syracuse, NY (Fac. #629) which is transitioning to channel 23 as part of the Phase 8 repack. The antenna has been determined to be suitable for both WBLZ-LD and WHSU-CD utilizing a custom designed channel combiner mask filter.

A TV Study report (attached) has been performed with the results indicating no impact to any other authorizations other than W22DO-D, Utica, NY, with which Metro has an existing mutual interference agreement (attached) whereby WBLZ-LD may operate up to a full 15 kW with a non-directional antenna on channel 22. Also, a map is attached depicting the presently authorized and proposed 24.56 dBu (50,10) interfering contours. Since the proposed modification does not extend the interfering contour, 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. However, no change is expected due to the fact that there would not be any physical modification to the antenna or tower necessary in order to implement the proposed modification.

As the facilities requested herein are proposed to be constructed in conjunction with the transition of WHSU-CD and WTVU-CD, Metro respectfully requests expedited consideration for processing of the proposed minor change for WBLZ-LD so as to be able to commence operation upon completion of the transition of WHSU-CD and WTVU-CD 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.

Study created: 2020.02.10 23:47:25

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

Proposal: WBLZ-LD D22 LD APP SYRACUSE, NY
 File number: BLANK0000052577
 Facility ID: 64353
 Station data: User record
 Record ID: 226
 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:
 20111024AES W22DO-D D22 LD LIC UTICA, NY BLDTT20111024AES
 20130603AEQ WTVU-CD D22 DC LIC SYRACUSE, NY BLDTA20130603AEQ

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WSTQ-LP	N14z	TX	LIC	SYRACUSE, NY	BLTTTL20030604ABA	0.0 km
No	WTKJ-LP	N19	TX	LIC	WATERTOWN, NY	BLTTTL20080804ADM	105.2
No	W21CP-D	D21	LD	LIC	GLOVERSVILLE, NY	BLDTT20090601AQC	146.2
No	WROC-TV	D21	DT	LIC	ROCHESTER, NY	BLANK0000079899	115.3
Yes	WDSS-LD	D21	LD	CP	SYRACUSE, NY	BLANK0000072128	13.5
No	WNEP-TV	D21	DT	CP	SCRANTON, PA	BLANK0000093488	210.0
No	WUTH-CD	D22	DC	LIC	HARTFORD, CT	BLANK0000080135	338.1
No	WBPX-TV	D22	DT	LIC	BOSTON, MA	BLANK0000075858	388.8
No	WVMA-CD	D22	DC	LIC	WINCHENDON, MA	BLANK0000095385	308.6
No	WMPB	D22	DT	CP	BALTIMORE, MD	BLANK0000029875	404.6
No	WNJS	D22	DT	LIC	CAMDEN, NJ	BLANK0000040675	386.2
No	WDVB-CD	D22	DC	LIC	EDISON, NJ	BLANK0000080314	313.8
No	WPHY-CD	D22	DC	LIC	TRENTON, NJ	BLANK0000079874	344.1
No	WECY-LD	D22	LD	LIC	Elmira, NY	BLANK0000024397	126.2
No	WCBS-TV	D22	LD	LIC	NEW YORK, NY	BLANK0000092488	360.3
No	WCBS-TV	D22	LD	CP	NEW YORK, NY	BLANK0000074938	360.3
No	WCBS-TV	D22	LD	LIC	NEW YORK, NY	BLCDT20120905AAO	360.3
No	W22EW-D	D22+	LD	LIC	PORT JERVIS, NY	BLANK0000073094	262.1
Yes	WXXI-TV	D22	DT	LIC	ROCHESTER, NY	BLANK0000086491	115.4
Yes	WCWN	D22	DT	LIC	SCHENECTADY, NY	BLANK0000083798	182.2
No	WTOO-CD	D22	DC	LIC	BOLIVAR, PA	BLANK0000099914	379.2

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No	Call Sign	Class	DT	LIC	City	BLN	Distance
No	WOLF-TV	D22	DT	LIC	HAZLETON, PA	BLANK0000086376	209.9
No	WJAC-TV	D22	LD	LIC	JOHNSTOWN, PA	BLCDT20110105ABC	334.7
No	WJAC-TV	D22	LD	LIC	JOHNSTOWN, PA	BLCDT20101105AAU	335.0
No	WTAE-TV	D22	LD	LIC	PITTSBURGH, PA	BLANK0000088086	428.2
No	WNEP-TV	D22	LD	LIC	SCRANTON, PA	BLCDT20091216AAH	169.8
No	WBXZ-LP	D23	LD	APP	BUFFALO, NY	BLANK0000052532	221.3
No	WETM-TV	D23	DT	CP	ELMIRA, NY	BLANK0000029984	120.5
No	WNPI-DT	D23	DT	LIC	NORWOOD, NY	BLEDT20050715ABZ	190.8
No	WHSU-CD	D23	DC	CP	SYRACUSE, NY	BLANK0000034940	0.0
No	W26BF	N26-	TX	LIC	ELMIRA, NY	BLTTL19960111AB	115.0
No	CICO-DT-92D21		DT	LIC	CLOYNE, ON	BLANKCANADA168	218.6
Yes	CICO-DT-53D22		DT	LIC	BELLEVILLE, ON	BLANKCANADA164	162.6
No	CICO-DT-28D22		DT	LIC	KITCHENER, ON	BLANKCANADA183	347.6
No	CHCH-DT-1 D22		DT	LIC	OTTAWA, ON	BLANKCANADA201	244.7
No	CKWS-DT-1 D23		DT	LIC	BRIGHTON, ON	BLANKCANADA165	170.8

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: D22
Mask: Full Service
Latitude: 43 3 30.00 N (NAD83)
Longitude: 76 9 59.00 W
Height AMSL: 222.8 m
HAAT: 0.0 m
Peak ERP: 12.5 kw
Antenna: DIE TLP-16H/CP 0.0 deg
Elev Pattn: Generic
Elec Tilt: 1.00

49.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	12.5 kw	100.4 m	43.5 km
45.0	7.60	100.2	41.1
90.0	10.6	91.0	41.5
135.0	3.25	-16.2	23.8
180.0	3.38	9.2	24.0
225.0	3.25	-24.9	23.8
270.0	10.8	60.3	37.0
315.0	8.00	102.7	41.6

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Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 53 m

**Proposal 24.56 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%

----- Below is IX received by proposal BLANK0000052577 -----

Proposal receives 3.13% interference from scenario 1
No IX check failures found.

ASSIGNMENT OF INTERFERENCE ACCEPTANCE AGREEMENT

THIS AGREEMENT, made as of the 31st day of July, 2018, between Renard Communications Corp. (“Renard”), a New York Corporation, 401 W. Kirkpatrick St., Syracuse, NY 13204, and Public Council of Central New York, Inc., d/b/a WCNY (“WCNY”), a Not-For-Profit Corporation, 415 W. Fayette St. Syracuse, NY 13204.

Renard is licensee of WTVU-CD, Syracuse, NY presently operating on UHF channel 22 (Fac. ID #617), and WCNY is licensee of W22DO-D, channel 22, Utica, NY (Fac. ID #167539).

Due the imminent channel repacking of UHF spectrum, the parties consent to the assignment of the original Interference Acceptance Agreement (“IAA”) dated September 11, 2011 to Renard’s commonly-owned entity Metro TV, Inc.

Metro TV, Inc. (“Metro”) is licensee of WBLZ-LD, Syracuse, NY (Fac. ID #64353). Whereas, as part of the Federal Communications Commission’s spectrum repacking plan, WTVU-CD has been assigned channel 25 and WBLZ-LD has been assigned channel 22.

To permit similar coverage for the Syracuse station, WCNY consents that the IAA may be assigned to Metro and that WBLZ-LD may be substituted in the Agreement in place of WTVU-CD. As in the IAA, WBLZ-LD would operate with a maximum power of 15 kW ERP on channel 22 utilizing a non-directional antenna at the same site as WTVU-CD and would result in no change to the signal overlap with W22DO-D as presently exists with WTVU-CD.

This agreement shall bind and inure to the benefit of any respective successors and assigns of the respective parties.

RENARD COMMUNICATIONS CORP. (ASSIGNOR)

By: Craig Fox 7/31/18
Craig Fox, President Date

METRO TV, INC. (ASSIGNEE)

By: Craig Fox 7/31/18
Craig Fox, President Date

**PUBLIC BROADCASTING COUNCIL OF
CENTRAL NEW YORK, INC.**

By: Robert J. Daino 10/19/18
Robert J. Daino, President & CEO Date

WBLZ-LD, Syracuse, NY - Comparison of CP & Proposed 24.56 dBu (50,10) Contours

WBLZ-LD-D.A
 Latitude: 43-03-30 N
 Longitude: 076-09-59 W
 ERP: 12.50 kW
 Channel: 22
 Frequency: 521.0 MHz
 AMSL Height: 222.8 m
 Elevation: 114.3 m
 Horiz. Pattern: Directional
 Vert. Pattern: Yes
 Elec Tilt: 1.0
 Prop Model: NoProp

WBLZ-LD-D.C
 0000052577
 Latitude: 43-03-30 N
 Longitude: 076-09-59 W
 ERP: 15.00 kW
 Channel: 22
 Frequency: 521.0 MHz
 AMSL Height: 222.8 m
 Elevation: 114.3 m
 Horiz. Pattern: Omni
 Vert. Pattern: Yes
 Elec Tilt: 1.0
 Prop Model: NoProp

