

ENGINEERING STATEMENT
Renard Communications Corp.
February, 2020

Renard Communications Corp. ("Renard"), licensee of WHSU-CD, Syracuse, NY (Fac. ID #629) is hereby requesting a very minor change of the directional characteristics of the antenna authorized in its construction permit with no change in power or height. It is proposed to share use of an existing antenna already on the tower presently in use by WTVU-CD, Syracuse, NY (Fac. ID 617) and which will be vacated by WTVU-CD in Phase 8. WHSU-CD proposes to share the existing antenna with WBLZ-LD, Syracuse, NY (Fac. ID #64353) which has been granted a construction permit for channel 22.

WBLZ-LD will also be filing a minor change of its construction permit to propose use of the existing antenna to be shared with WHSU-CD. In vacating the existing antenna, WTVU-CD will be transitioning to a new antenna in conjunction with the Phase 8 repack to its post-transition channel 25.

A TV Study report (attached) has been performed with the results indicating no impact to other authorizations. Also, a map is attached depicting the presently authorized and proposed 24.66 dBu (50,10) interfering contours. Since the proposed modification does not extend the interfering contour in any direction, referral to or concurrence from Canada is not required.

In summary, the proposal herein simplifies the transition of the channels involved and will ensure that an orderly transition will be completed within the time period specified for Phase 8 of the repack which concludes March 13, 2020.

Renard respectfully requests expedited consideration for processing of this proposed minor change.

Study created: 2020.02.02 19:50:18

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

Proposal: WHSU-CD D23 DC APP SYRACUSE, NY
 File number: BLANK0000334940
 Facility ID: 629
 Station data: User record
 Record ID: 208
 Country: U.S.

Build options:
 Protect LPTV records from Class A

Search options:
 Non-U.S. records included
 Baseline record excluded if station has CP

Individual records excluded:
 0000034940 WHSU-CD D23 DC CP SYRACUSE, NY BLANK0000034940
 629 WHSU-CD D23 DC BL SYRACUSE, NY DTVBL629

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WTKJ-LP	N19	TX	LIC	WATERTOWN, NY	BLTTTL20080804ADM	105.2 km
No	WECY-LD	D22	LD	LIC	Elmira, NY	BLANK0000024397	126.2
No	WXXI-TV	D22	DT	LIC	ROCHESTER, NY	BLANK0000086491	115.4
No	WCWN	D22	DT	LIC	SCHENECTADY, NY	BLANK0000083798	182.2
No	WBLZ-LD	D22	LD	CP	SYRACUSE, NY	BLANK0000052577	0.0
No	W22DO-D	D22	LD	LIC	UTICA, NY	BLDTT20111024AES	80.8
No	WOLF-TV	D22	DT	LIC	HAZLETON, PA	BLANK0000086376	209.9
No	WNEP-TV	D22	LD	LIC	SCRANTON, PA	BLCDDT20091216AAH	169.8
No	WDMR-LD	D23	LD	LIC	SPRINGFIELD, MA	BLANK0000075390	303.4
No	WDVM-TV	D23	DT	LIC	HAGERSTOWN, MD	BLANK0000080408	406.1
No	WMJF-CD	D23	DC	CP	TOWSON, MD	BLANK0000029914	407.9
No	WPXG-TV	D23	DT	LIC	CONCORD, NH	BLANK0000078658	393.4
No	WLED-TV	D23	DT	LIC	LITTLETON, NH	BLANK0000087374	383.8
No	WLED-TV	D23	DT	CP	LITTLETON, NH	BLANK0000080312	383.8
No	WNJS	D23	DT	CP	CAMDEN, NJ	BLANK0000077482	386.2
No	W23EX-D	D23z	LD	LIC	SUSSEX, NJ	BLANK0000080129	251.6
No	WBXZ-LP	D23	LD	APP	BUFFALO, NY	BLANK0000052532	221.3
Yes	WETM-TV	D23	DT	CP	ELMIRA, NY	BLANK0000029984	120.5
No	WXNY-LD	D23	LD	CP	NEW YORK, NY	BLANK0000053900	315.9
Yes	WNPI-DT	D23	DT	LIC	NORWOOD, NY	BLEDT20050715ABZ	190.8
No	W23ER-D	D23z	LD	LIC	POUGHKEEPSIE, NY	BLANK0000068283	232.2

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No	WFTY-DT	D23	DT	LIC	SMITHTOWN, NY	BLCDT20120427ABO	358.6
No	WPXI	D23	DT	LIC	PITTSBURGH, PA	BLANK0000080213	429.4
No	W20CS-D	D23	LD	CP	RUTLAND, VT	BLANK0000053964	261.6
No	WTEN	D24	DT	LIC	ALBANY, NY	BLANK0000082692	182.2
No	WPXJ-TV	D24	DT	LIC	BATAVIA, NY	BLANK0000080169	189.0
No	WONO-CD	D24	DC	CP	SYRACUSE, ETC., NY	BLANK0000071755	0.0
No	WVNC-LD	D24	LD	LIC	WATERTOWN, NY	BLANK0000095818	105.2
No	W26BF	N26-	TX	LIC	ELMIRA, NY	BLTTL19960111AB	115.0
No	W31BP	N31+	TX	LIC	BURLINGTON, ETC., NY	BLTTL19980120JE	91.6
No	CICO-DT-53D22		DT	LIC	BELLEVILLE, ON	BLANKCANADA164	162.6
No	CHCH-DT-1 D22		DT	LIC	OTTAWA, ON	BLANKCANADA201	244.7
Yes	CKWS-DT-1 D23		DT	LIC	BRIGHTON, ON	BLANKCANADA165	170.8
No	CIII-DT	D23	DT	LIC	PARIS, ON	BLANKCANADA209	347.5
No	CIVP-DT	D23	DT	LIC	CHAPEAU, QC	BLANKCANADA258	326.6
No	CICO-DT-24D24		DT	LIC	OTTAWA, ON	BLANKCANADA202	272.9

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: D23
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: 9.50 kW
Antenna: DIE-TLP-16H/CP 0.0 deg
Elev Pattn: Generic
Elec Tilt: 1.00

49.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	9.50 kW	100.4 m	42.1 km
45.0	5.78	100.2	39.6
90.0	8.04	91.0	40.1
135.0	2.47	-16.2	22.5
180.0	2.57	9.2	22.6
225.0	2.47	-24.9	22.5
270.0	8.22	60.3	35.6
315.0	6.08	102.7	40.1

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

****Proposal 24.66 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.

Comparison of WHSU-CD Authorized and Proposed 24.66 dBu (50,10) Interfering Contours

WHSU-CD-D.A

Latitude: 43-03-29.76 N
Longitude: 076-10-00.27 W
ERP: 9.50 kW
Channel: 23
Frequency: 527.0 MHz
AMSL Height: 222.8 m
Elevation: 114.3 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 1.0
Prop Model: NoProp

WHSU-CD-D.C

0000034940
Latitude: 43-03-29.76 N
Longitude: 076-10-00.27 W
ERP: 9.50 kW
Channel: 23
Frequency: 527.0 MHz
AMSL Height: 222.8 m
Elevation: 114.3 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 1.0
Prop Model: NoProp

