ENGINEERING STATEMENT
Renard Broadcasting Corp.
January, 2020

Renard Broadcasting Corp. ("Renard"), as the licensee of WIXT-CD, DeWitt, NY, has found it necessary to propose a minor modification to relocate WIXT-CD to a site where it is expected to be able to complete its transition without the uncertainty that exists at the site presently authorized in its construction permit.

The tower owner at the present WIXT-CD transmitter site, Cumulus Radio Corporation ("Cumulus"), has stated that it expects to lease additional space to an existing cellular telephone tenant and had a tower study performed revealing that the tower would require additional structural reinforcement. Then, it was requested that Renard Broadcasting Corp. ("Renard") have a further structural study performed for its proposed changes regarding the new antenna for WIXT-CD. The subsequent structural study revealed that the new antenna installation for WIXT-CD could only occur after the structural reinforcement is completed by the cellular telephone tenant.

Further, the engineering staff for Cumulus has determined that its transmitter building cannot accommodate the additional heat that would occur with either a higher power transmitter utilizing an equivalent wind load to that of the existing WIXT-CD antenna for the station to achieve the ERP authorized in the WIXT-CD construction permit. Likewise, if a transmitter with similar output to the existing WIXT-CD transmitter were to be utilized, then the tower, as it presently exists, would not be able to accommodate the larger antenna necessary to achieve the ERP authorized in the present WIXT-CD construction permit.

Attached is a copy of a TVStudy report showing that no prohibitive interference would be caused to any existing, authorized or proposed services by the relocation of WIXT-CD to a tower (ASR #1007737) that is owned by WOLF Radio, Inc., a commonly-owned entity with Renard. In addition, the attached Figure 1 depicts that the proposed 24.85 dBu (50,10) interfering contour would not extend beyond that presently authorized toward the Canadian border and therefore does not require Canadian referral or concurrence.

Therefore, Renard is filing this instant application for a minor engineering change and maintains confidence that it will be able to complete the transition of WIXT-CD to its post-auction channel by the Phase 8 deadline.

Study created: 2020.01.22 22:28:41

Study build station data: LMS TV 2020-01-11

Proposal: WIXT-CD D27 DC APP DEWITT, NY
File number: BLANK0000034942
Facility ID: 14312
Station data: User record
Record ID: 203
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:
0000034942 WIXT-CD D27 DC CP DEWITT, NY BLANK0000034942
14312 WIXT-CD D27 DC BL DEWITT, NY DTVBL14312
20090331ADG WFXV D27 DT LIC UTICA, NY BLCDT20090331ADG

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WTKJ-LP	N19	TX	LIC	WATERTOWN, NY	BLTTL20080804ADM	105.2 km
No	WAWW-LP	N20-	TX	LIC	ROCHESTER, NY	BLTTL20121029AAV	115.5
No	WYBN-LD	D26	LD	CP	COBLESKILL, NY	BLANK0000082460	182.1
No	W26BF	N26-	TX	LIC	ELMIRA, NY	BLTTL19960111AB	115.0
No	WGCE-CD	D26	DC	APP	ROCHESTER, NY	BLANK0000094594	115.4
No	WGCE-CD	D26	DC	CP	ROCHESTER, NY	BLANK0000033855	115.5
Yes	WPBS-DT	D26	DT	LIC	WATERTOWN, NY	BLANK0000081158	96.2
No	W26CV-D	D26	LD	LIC	MANSFIELD, PA	BLDTT20090810AAC	157.2
No	WNEP-TV	D26	LD	CP	SCRANTON, PA	BLANK0000053449	169.9
No	WUNI	D27	DT	LIC	MARLBOROUGH, MA	BLANK0000030092	388.8
No	WUNI	D27	DT	CP	MARLBOROUGH, MA	BLANK0000035720	412.9
No	WMAR-TV	D27	DT	CP	BALTIMORE, MD	BLANK0000026796	415.9

No	W27EC-D	D27+	LD	LIC	BELVIDERE, NJ	BLANK0000058689	270.1
No	WPSJ-CD	D27	DC	LIC	HAMMONTON, NJ	BLANK0000081029	344.4
No	WNYT	D27	LD	CP	ALBANY, NY	BLANK0000053981	208.8
Yes	WIVT	D27	DT	LIC	BINGHAMTON, NY	BLANK0000090477	112.4
No	WNYW	D27	DT	LIC	NEW YORK, NY	BLANK0000079881	315.7
No	WQLN	D27	DT	LIC	ERIE, PA	BLANK0000083708	338.6
No	WOLF-TV	D27	LD	CP	HAZLETON, PA	BLANK0000054833	169.8
No	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK0000059152	431.8
No	WHVL-LD	D27	LD	LIC	STATE COLLEGE, ETC., PA	BLANK0000006251	280.7
No	W16AL	D27+	LD	CP	BURLINGTON, VT	BLANK0000054673	297.7
No	WNYT	D28	LD	CP	ALBANY, NY	BLANK0000053982	197.6
No	WBPN-LP	D28z	LD	APP	BINGHAMTON, NY	BLANK0000075625	112.9
No	WUHF	D28	DT	LIC	ROCHESTER, NY	BLCDT20050316AAK	115.4
No	WWDG-CD	D28	DC	LIC	UTICA, NY	BLANK0000001609	80.9
No	WWDG-CD	D28	DC	APP	UTICA, NY	BLANK0000035669	80.7
No	WBRE-TV	D28	LD	LIC	WILKES-BARRE, PA	BLCDT20091211ADO	169.8
No	W31BP	N31+	TX	LIC	BURLINGTON, ETC., NY	BLTTL19980120JE	91.6
No	WWLF-LP	N35z	TX	LIC	SYRACUSE, NY	BLTTA20050922ACH	0.0
No	CFMT-DT-2	D27	DT	LIC	OTTAWA, ON	BLANKCANADA204	244.7
No	CIII-DT-27	D27	DT	LIC	PETERBOROUGH, ON	BLANKCANADA213	194.9

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:

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    Channel: D27
       Mask: Full Service
   Latitude:  43  3 30.00 N (NAD83)
  Longitude:  76  9 59.00 W
Height AMSL: 226.0 m
       HAAT: 0.0 m
   Peak ERP: 12.0 kW
    Antenna: PSI-PSILP8OI (ID 20499) 140.0 deg
Elev Pattrn: Generic
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Elec Tilt: 0.75

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	4.61 kW	103.6 m	38.4 km
45.0	4.99	103.4	38.7
90.0	9.08	94.2	40.6
135.0	12.0	-13.0	29.3
180.0	9.94	12.4	28.4
225.0	5.63	-21.7	25.8
270.0	4.32	63.5	32.6
315.0	5.39	105.9	39.4

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 56 m

**Proposal 25.05 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.

Figure 1 - WIXT-CD, DeWitt, NY - Present & Proposed 24.85 dBu (50,10) Contours

WIXT-CD.A

Latitude: 43-03-29.76 N
Longitude: 076-10-00.27 W
ERP: 12.00 kW
Channel: 27
Frequency: 551.0 MHz
AMSL Height: 226.0 m
Elevation: 114.3 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 0.75
Prop Model: NoProp

WIXT-CD-D.C
0000034942
Latitude: 43-00-24.76 N
Longitude: 076-05-38.28 W
ERP: 15.00 kW
Channel: 27
Frequency: 551.0 MHz
AMSL Height: 297.0 m
Elevation: 204.0 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 1.75
Prop Model: NoProp