

STU-COMM, INC.

AFTON, VIRGINIA

AMENDMENT OF JUNE 2009

TABLE OF ATTACHMENTS

ENGINEERING NARRATIVE

CHANNEL STUDY

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INTERFERENCE TO WCYK-FM, CHANNEL 259B AT STAUNTON, VIRGINIA
(SEE NARRATIVE)

MAP OF THE WVTU AND PROPOSED 60 dBu CONTOURS

STU-COMM, INC.

AFTON, VIRGINIA

APPLICATION TO AMEND BPFT-20090508ABT

NARRATIVE

W201CN will be displaced on channel 201 by one of the following Full-Service FM applications filed in the October 2007 Window:

APP BNPED-20071012AUD, Staunton, VA
APP BNPED-20071022BGW, Fishersville, VA
APP BNPED-20071015ALL, Stannardsville, VA
APP BNPED-20071022BOU, Waynesboro, VA
APP BNPED-20071019AHP, Grottoes, VA
APP BNPED-20071018AOV, Verona, VA
APP BNPED-20071012AHQ, Staunton, VA
APP BNPED-20071019BBG, Churchville, VA
APP BNPED-20071019DGB, Brandy Station, VA

It is precluded, at 10 watts, from moving to the First, Second, Third, Fifty-Third or Fifty-Fourth adjacent channels by the following:

Channel 202 (First-Adjacent) WVTW, Channel 203B1, Charlottesville, VA
Channel 203 (Second-Adjacent) WVTW, Channel 203B1, Charlottesville, VA
Channel 204 (Third-Adjacent) WVTW, Channel 203B1, Charlottesville, VA
Channel 254 (Fifty-Third-Adjacent) WACL, Channel 253B1, Elkton, VA
Channel 255 (Fifty-Fourth-Adjacent) WACL, Channel 253B1, Elkton, VA

The purpose of this amendment is to change the channel from 255, as applied for in BPFT-20090508ABT, to channel 257, and to make it a "fill-in" translator for WVTU, channel 207B1, Charlottesville, Virginia. The translator will carry the WVTU HD-2 channel.

The field of the proposed antenna does not exceed the field of the WVTU antenna, and since the proposed antenna will be installed on the same tower as the WVTU antenna and 9 meters below it, the proposed 60 dBu contour will not exceed the WVTU 60 dBu contour at any azimuth. A map demonstrating the containment of the proposed contour is attached.

The proposed site is inside the protected contour of second-adjacent channel station WCYK-FM, channel 259B, Staunton, Virginia. The distance between the WCYK-FM antenna and the proposed antenna is 613 meters. The WCYK-FM signal strength at the proposed site is 116.4 dBu. The second-adjacent channel interference signal level will be 156.4 dBu. Using the FCC Media Bureau Shortcut tool "FCC Curves", the distance to

the proposed 156.4 dBu contour (using 0.195 kilowatt) is 2 meters. The antenna will be 28 meters above ground, therefore, there will be no interference at ground level. A waiver for this interference is requested under the provision of §74.1204(d) on the basis that no actual interference will occur due to a lack of population inside the interference area.

There are four broadcast antennas on the proposed tower as follows:

WVTU, 195 watts, RC 37 m AGL -- Power Density 2 m AGL = 0.0073 uW/cm^2

Proposed 195 watts, RC 28 m AGL -- Power Density 2 m AGL = 0.0140 uW/cm^2

W243BT, 70 watts, RC 20 m AGL

W218BZ, 10 watts, RC 10 m AGL

The power density was calculated using FCC program FM Model. W243BT and W218BZ were excluded in accordance with Table 2, page 71 of OET-65. The antenna used in the calculations was the Phelps Dodge Ring Stub (Dipole) which produces the greatest power density of the available selections. The combined power density is 0.021 uW/cm^2 which is well below the recommended level of 0.2 mW/cm^2 for Uncontrolled Spaces.

NRAO at Greenbank was notified of this application to amend by email on May 29, 2009.

STU-COMM, AFTON, VIRGINIA

W201CN TO CHANNEL 257

REFERENCE
38 03 58.0 N.
78 47 54.0 W.

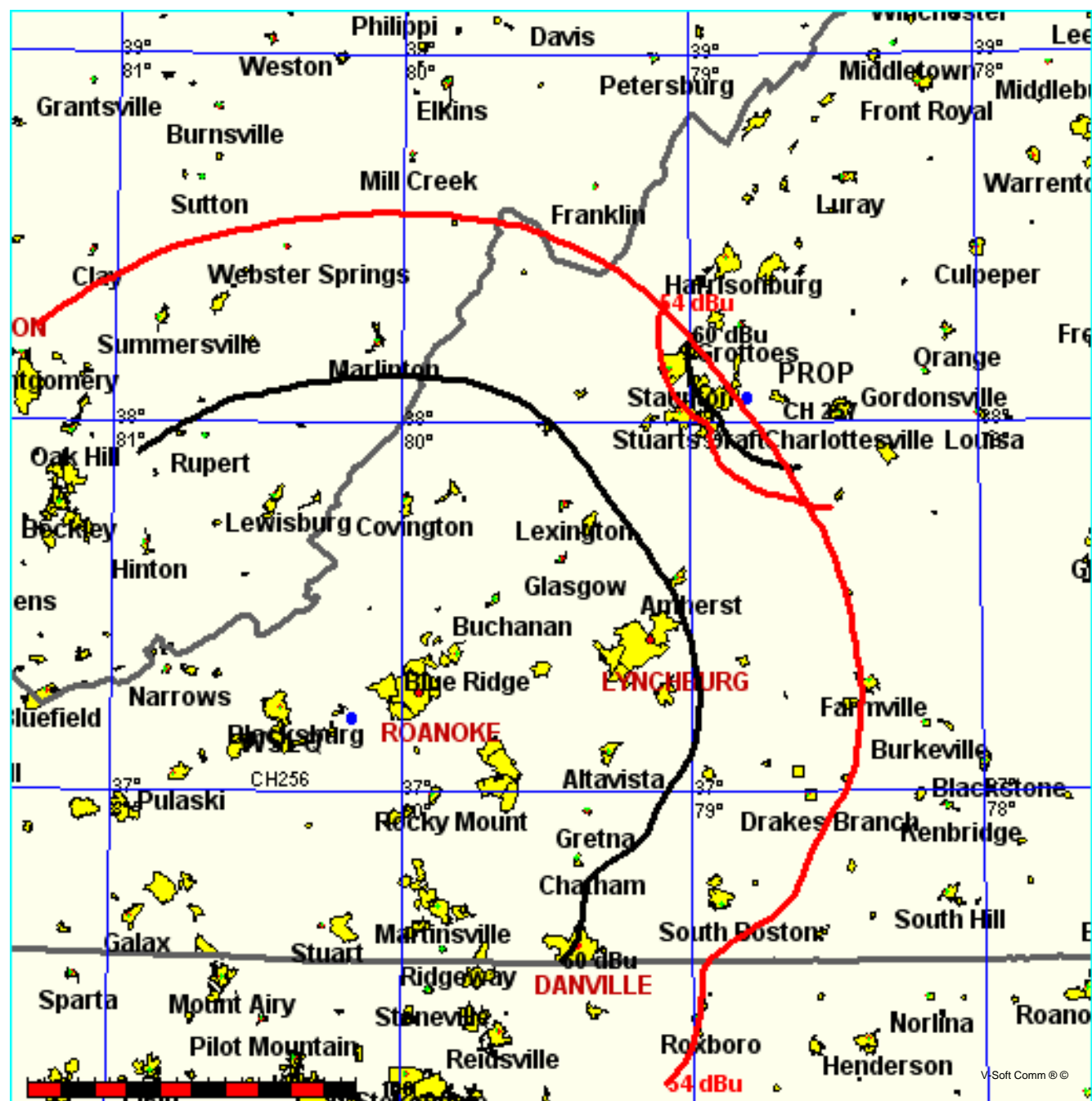
CH# 257D - 99.3 MHz, Pwr= 0.195 kW, HAAT= 502.3 M, COR= 900 M
Average Protected F(50-50)= 27.37 km
Standard Directional

DISPLAY DATES
DATA 06-02-09
SEARCH 06-02-09

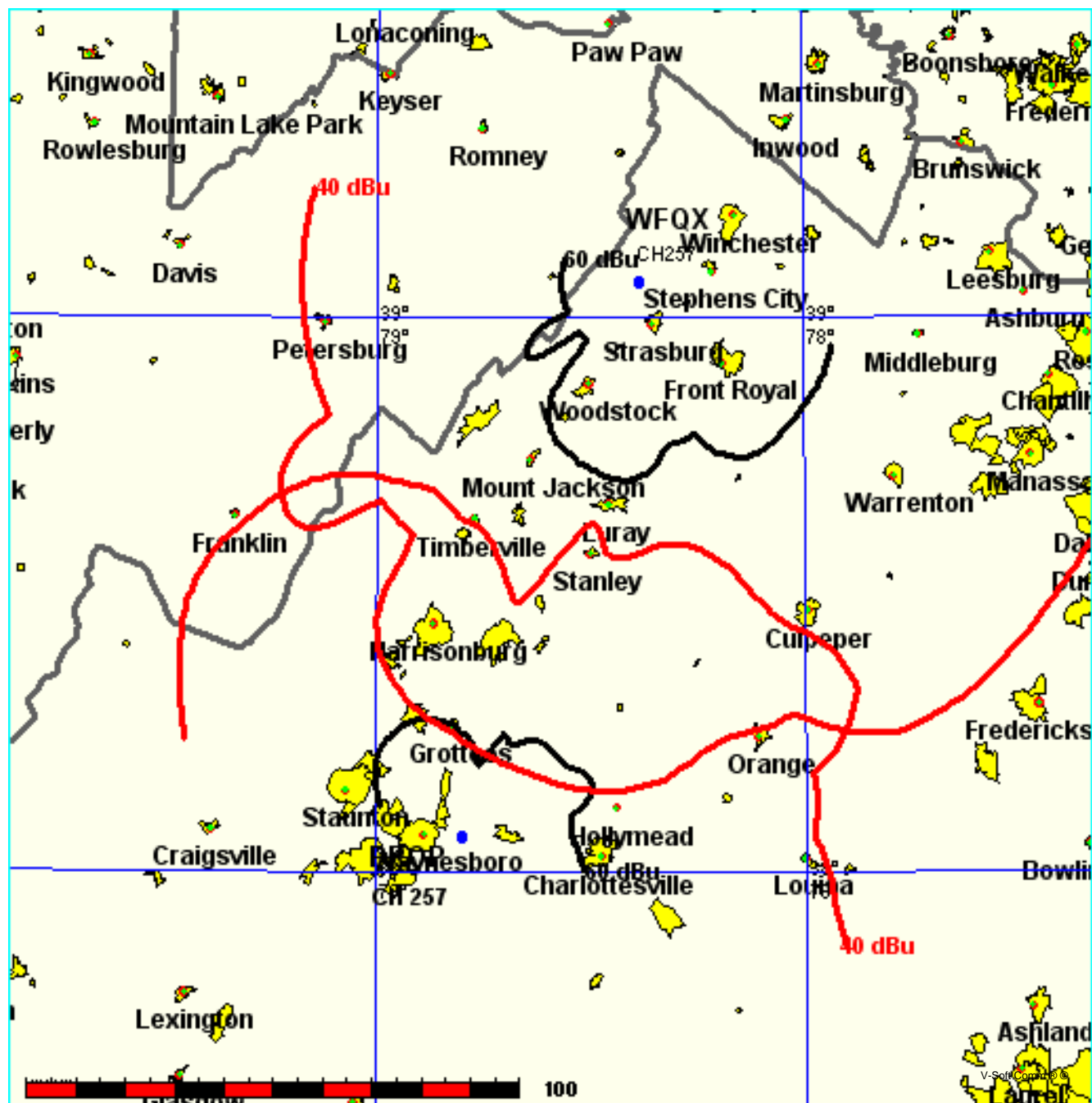
CH CITY	CALL	TYPE ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
259B Staunton	WCYK-FM	LIC _CN VA	252.4 72.4	0.6 BLH19891222KD	38 03 52.0 78 48 18.0	3.300 516	3.7 914	71.4 Monticello Media Lic	-14.8*<	-71.2*<
256C Roanoke	WSLQ	LIC _CY VA	231.4 50.6	154.0 BMLH19830922AA	37 11 41.0 80 09 22.0	200.000 607	151.5 1184	102.1 Mel Wheeler, Inc.	-9.3*<	35.7
257A Front Royal	WFOX	LIC _CX VA	17.9 198.1	116.7 BLH20031209AAM	39 03 56.0 78 22 58.0	6.000 100	99.8 437	38.2 Capstar Tx Limited Partner	-6.8*<	10.0
257A Spotsylvania	WWVB-FM	LIC _CN VA	84.7 265.4	97.2 BLH19970307KH	38 08 31.0 77 41 38.0	3.000 100	74.9 190	23.6 The Free Lance-star Publis	-3.6*<	1.3
203B1 Charlottesville	WVTW	LIC DVX VA	108.7 288.9	29.1 BLED20071203AKK	37 58 55.0 78 29 03.0	1.000 317	81.9 485	24.5 Virginia Tech Foundation,	11.5R	17.6M
204A Harrisonburg	WXJM	LIC _CN VA	351.2 171.1	41.9 BLED19901010KB	38 26 22.0 78 52 21.0	0.390 19	81.9 445	24.5 James Madison University B	9.5R	32.4M
257A Petersburg	WKJM	LIC DCN VA	126.1 306.9	155.8 BLH19940531KZ	37 14 01.0 77 22 36.0	6.000 100	88.0 139	29.3 Radio One Licenses, Lic	38.3	38.8
204A Lexington	WRIQ	CP NCX VA	245.8 65.5	48.1 BNPED20071018AQN	37 53 17.0 79 17 50.0	3.900 67	81.9 600	24.5 Virginia Tech Foundation,	9.5R	38.6M
258D Farmville	W258AK	LIC _C_ VA	157.1 337.4	92.4 BLFT20070208AAC	37 17 57.0 78 23 32.0	0.170 135	9.2 135	6.4 Paul Passink	57.6	52.5
258B Washingtton	WIHT	LIC _CN DC	55.4 236.4	178.1 BLH19931215KE	38 57 49.0 77 06 18.0	22.000 229	74.7 306	63.2 Amfm Radio Licenses, L.I.C	75.4	57.7
204A Washingtton	1209790	APP DCX VA	45.1 225.4	68.6 BNPED20071019AFD	38 30 02.0 78 14 24.0	1.000 32	81.9 313	24.5 Trumpet Broadcasting, Inc.	9.5R	59.1M

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference zone = 1, Co to 3rd adjacent.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
"*"affixed to 'IN' or 'OUT' values = site inside protected contour.
Reference station has protected zone issue: WV Quiet Zone

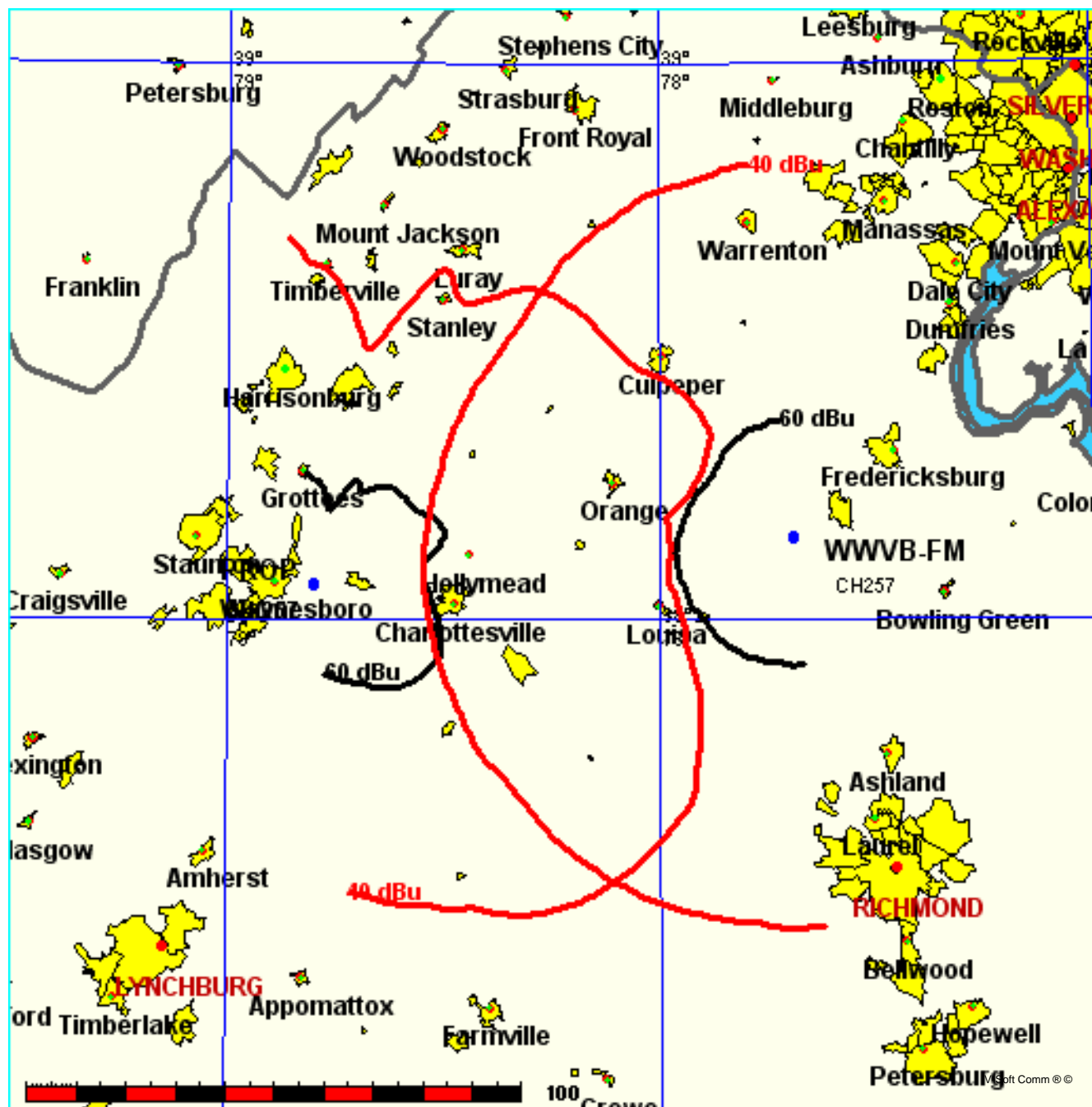
STU-COMM, AFTON, VIRGINIA
PROPOSED AND WSLQ, ROANOKE, VIRGINIA

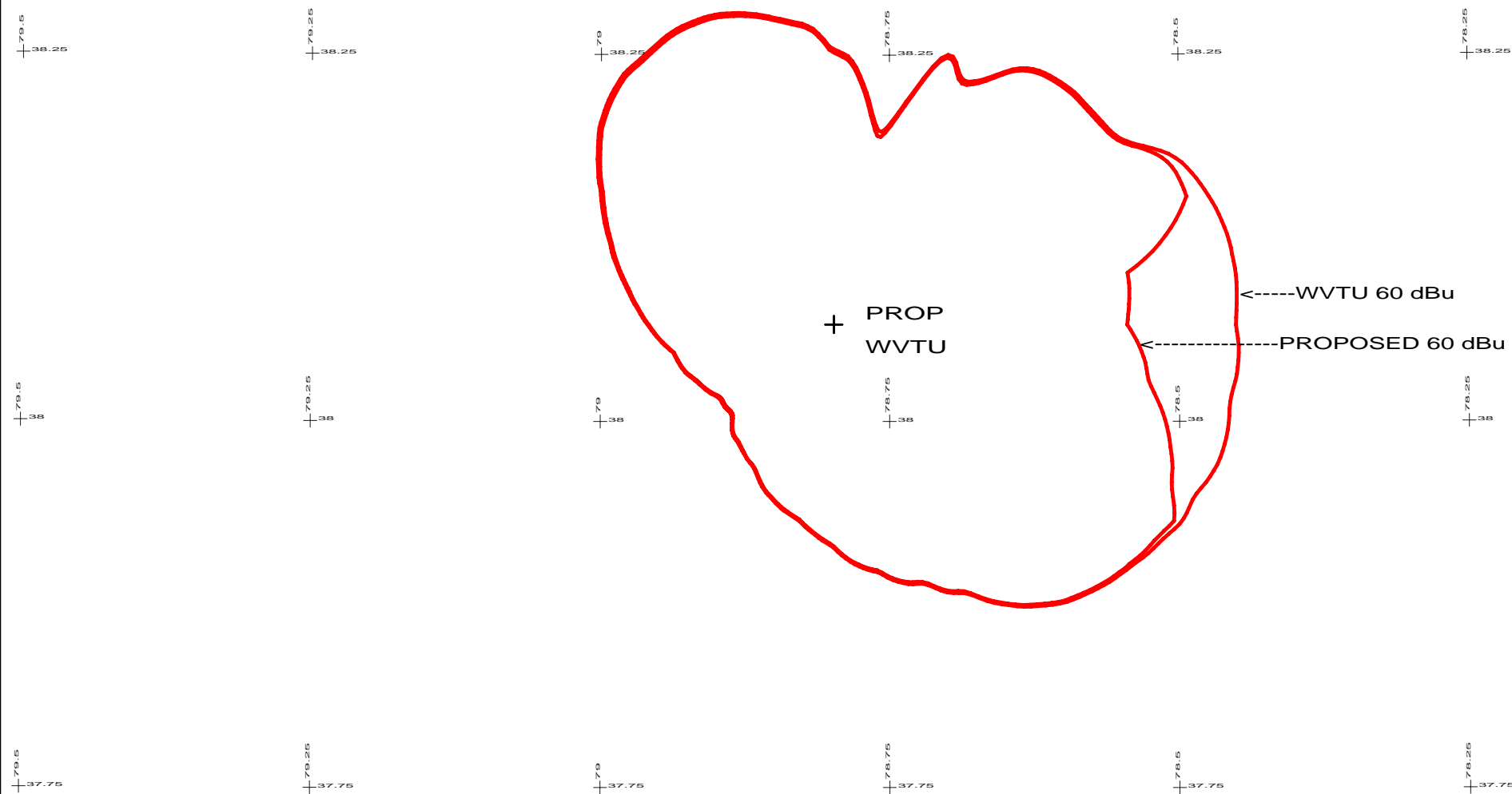


STU-COMM, AFTON, VIRGINIA
PROPOSED AND WFQX, FRONT ROYAL, VIRGINIA



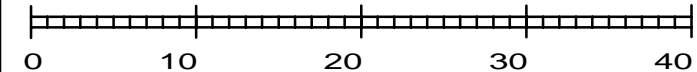
STU-COMM, AFTON, VIRGINIA
PROPOSED AND WWVB-FM, SPOTSYLVANIA, VIRGINIA





1:500,000

Scale in km



THE 60 dBu CONTOURS OF THE PROPOSED
TRANSLATOR AND WVTU

STUCOM
AFTON, VIRGINIA