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Engineering Statement

WVPT-DT

Shenandoah Valley Educational Television Corp.

The instant proposal for 10 kW on channel 11 exceeds the maximum Zone I ERP for the applicant's HAAT, however Section 73.622 (f)(5) would allow power up to that "needed to provide the same geographic area as the largest station within their market, whichever would allow the largest service area. " The attached map A shows that WVIR-DT covers 63.4 percent of WVPT-DT's current coverage. PublicTV station WVPT-DT covers 51.1 percent of WVIR-DT's coverage. WVIR-DT has its transmitter in Char lottesville, which is also the location of the WVPT-DT booster, the coverage of which is also shown on the map.

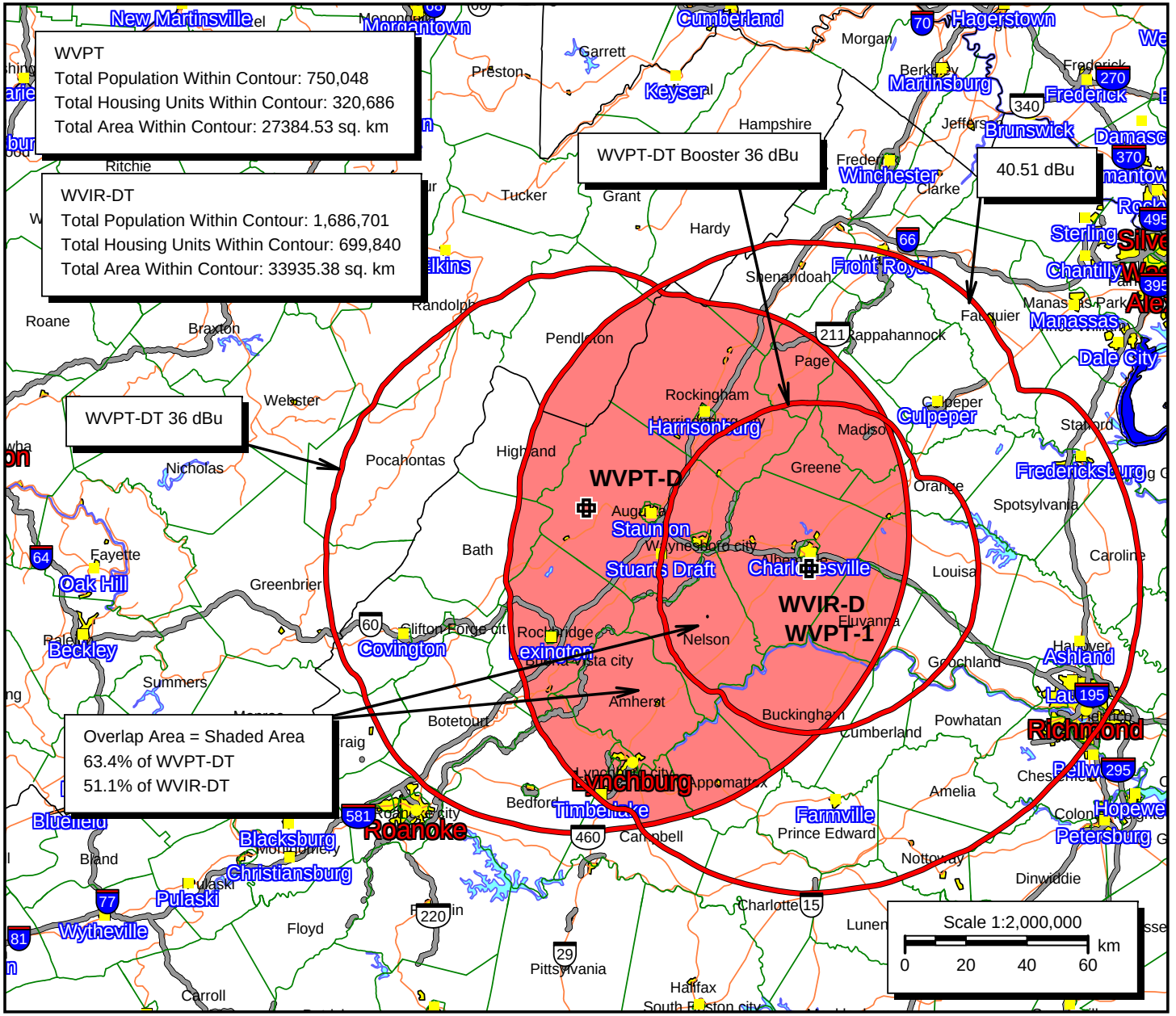
WVIR-DT's primary serves an area of 33,935.4 square kilometers. This proposal for 10 kW on channel 11 produces a noise limited coverage area of 33,332.3 square kilometers. (See Map B) Shenandoah Valley Educational Television Corp. is requesting a waiver, if necessary, to be able to use the same market as WVIR-DT. A complete waiver request is found within this application.

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Noise Limited Coverage Areas with Populations

WVPT-D
BLEDT20021220ADX
Latitude: 38-09-54 N
Longitude: 079-18-51 W
ERP: 3.20 kW
Channel: 11
Frequency: 201.0 MHz
AMSL Height: 1333.0 m
Horiz. Pattern: Directional
Prop Model: FCC

WVIR-D
BLCDT20040908AAE
Latitude: 37-59-02 N
Longitude: 078-28-53 W
ERP: 1000.00 kW
Channel: 32
Frequency: 581.0 MHz
AMSL Height: 535.7 m
Horiz. Pattern: Directional



36 dBu F(50-90) Noise Limited Contours

WVPT-D
BLEDT20021220ADX
Latitude: 38-09-54 N
Longitude: 079-18-51 W
ERP: 3.10 kW
Channel: 11
Frequency: 201.0 MHz
AMSL Height: 1333.0 m
Horiz. Pattern: Directional
Prop Model: FCC

WVPT-D Dashed Line
BLEDT20021220ADX
Latitude: 38-09-54 N
Longitude: 079-18-51 W
ERP: 10.00 kW
Channel: 11
Frequency: 201.0 MHz
AMSL Height: 1333.0 m
Horiz. Pattern: Directional

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