FC Federal Communications Commission

(REFERENCE COPY - Not for submission)

DTV Engineering STA Application

File Number: **0000048546** | Submit Date: **03/13/2018** | Call Sign: **WLVT-TV** | Facility ID: **36989** | FRN: **0003264744**

State: **Pennsylvania** | City: **ALLENTOWN**

Service: **DTV** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **03/16/2018** | Expiration Date:

Filing Status: **InActive**

General Information

Section	Question	Response

Fees, Waivers, and Exemptions

Section	Question	Response
Waivers	Does this filing request a waiver of the Commission's rule(s)?	No
	Total number of rule sections involved in this waiver request:	

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
LEHIGH VALLEY PUBLIC TELECOMMUNICATIONS CORP. **Applicant** Doing Business As: LEHIGH VALLEY PUBLIC TELECOMMUNICATIONS CORP.	William Semler 839 SESAME STREET BETHLEHEM, PA 18015 United States	+1 (610) 867-4677	bills@wlvt.org	Other

Authorization Holder Name

Check box if the Authorization Holder name is being updated because of the sale (or transfer of control) of the Authorization(s) to another party and for which proper Commission approval has not been received or proper notification provided.

Applicant	Address	Phone	Email	Applicant Type
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Contact Representatives (1)

Contact Name	Address	Phone	Email	Contact Type
TODD D. GRAY D. GRAY Gray Miller Persh LLP	Todd D. Gray 1200 NEW HAMPSHIRE AVENUE NW SUITE 410 WASHINGTON, DC 20036 United States	+1 (202) 776-2571	tgray@graymillerpersh.com	Legal Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	36989
	State	Pennsylvania
	City	ALLENTOWN
	DTV Channel	39
	Designated Market Area	PHILADELPHIA
Facility Type	Facility Type	Noncommercial Educational
	Station Type	Main
Zone	Zone	1

	Section	Question	Response
Antenna Location Data	**Antenna Structure Registration**	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
		ASR Number	1031215
	Coordinates (NAD83)	Latitude	40° 33' 52.0" N+
		Longitude	075° 26' 24.0" W-
		Structure Type	TOWER-A free standing or guyed struct
		Overall Structure Height	203.6 meters
		Support Structure Height	202.6 meters
		Ground Elevation (AMSL)	284.5 meters
	Antenna Data	Height of Radiation Center Above Ground Level	162 meters
		Height of Radiation Center Above Average Terrain	295 meters
		Height of Radiation Center Above Mean Sea Level	446.5 meters
		Effective Radiated Power	2.1 kW

Antenna Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	87993
Antenna Manufacturer and Model	Manufacturer:	PSI
	Model	PSILP16OM-39
	Rotation	160 degrees
	Electrical Beam Tilt	1
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
DTV and DTS: Elevation Pattern	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	No
	Uploaded file for elevation antenna (or radiation) pattern data	

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.991	90	0.893	180	0.999	270	0.974
10	0.986	100	0.856	190	0.981	280	0.99
20	0.963	110	0.827	200	0.939	290	1
30	0.963	120	0.804	210	0.886	300	1
40	0.957	130	0.804	220	0.857	310	0.994
50	0.962	140	0.835	230	0.859	320	0.993
60	0.972	150	0.886	240	0.885	330	0.976
70	0.961	160	0.943	250	0.921	340	0.978
80	0.935	170	0.985	260	0.952	350	0.987

Additional Azimuths

Degree	V_A

Certification

Section	Question	Response
General Certification Statements	The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by authorization or otherwise, and requests an Authorization in accordance with this application (See Section 304 of the Communications Act of 1934, as amended.).	
	The Applicant certifies that neither the Applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to §5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. §862, because of a conviction for possession or distribution of a controlled substance. This certification does not apply to applications filed in services exempted under §1.2002(c) of the rules, 47 CFR . See §1.2002(b) of the rules, 47 CFR §1.2002(b), for the definition of "party to the application" as used in this certification §1.2002(c). The Applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.	
Authorized Party to Sign	**FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID** Upon grant of this application, the Authorization Holder may be subject to certain construction or coverage requirements. Failure to meet the construction or coverage requirements will result in automatic cancellation of the Authorization. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of Authorization requested in this application. WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, §1001) AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, §312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, §503).	
	I certify that this application includes all required and relevant attachments.	Yes
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	**William Semler Semler** *Chief Technologist* 03/13/2018

Attachments

File Name	Uploaded By	Attachment Type	Description
Reduced Power STA Exhibit for WLVT.pdf	Applicant	All Purpose	