



(REFERENCE COPY - Not for submission)

DTS Experimental STA Application

File Number: 0000233280 | Submit Date: 12/18/2023 | Call Sign: WNUV | Facility ID: 7933 | FRN: 0003778909 | State: Maryland | City: BALTIMORE

Service: DTS | Purpose: Experimental STA | Status: Pending | Status Date: 12/18/2023 | Filing Status: Active

General Information

Section	Question	Response
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Fees, Waivers, and Exemptions

Section	Question	Response
Fees	Is the applicant exempt from FCC application Fees?	No
	Indicate reason for fee exemption:	
Waivers	Does this filing request a waiver of the Commission's rule(s)?	No
	Total number of rule sections involved in this waiver request:	

Application Type	Fee Code	Fee Amount
Experimental STA	MPV	\$300.00
Total		\$300.00

Applicant
Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
Baltimore (WNUV-TV) Licensee, Inc.	Lisa Asher 2000 W. 41st Street Baltimore, MD 21211 United States	+1 (410) 662- 9688	LAsher@cunninghambroadcasting. com	Corporation

Contact
Representatives
(2)

Contact Name	Address	Phone	Email	Contact Type
Kevin Fisher Smith and Fisher, LLC.	Kevin Fisher 4791 Wintergreen Court Woodbridge, VA 22192 United States	+1 (703) 505-1751	kevin@smithandfisher.com	Technical Representative
Scott R. Flick , Esq . Pillsbury Winthrop Shaw Pittman LLP	1200 Seventeenth Street, NW Washington, DC 20036 United States	+1 (202) 663-8167	scott.flick@pillsburylaw.com	Legal Representative

Channel and
Facility
Information

Section	Question	Response
Proposed Community of License	Facility ID	7933
	State	Maryland
	City	BALTIMORE
	DTS Channel	25
	Designated Market Area	Baltimore
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	1

DTS Reference
Point

Section	Question	Response
Construction Permit File Number and Facility ID	File Number for Current Authorized Service Area:	
	Facility ID	
Coordinates (NAD83)	Latitude	- -
	Longitude	- -

Site 1: Antenna
Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1044237
Coordinates (NAD83)	Latitude	39° 20' 10.4" N+
	Longitude	076° 38' 57.9" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	390.1 meters
	Support Structure Height	389.2 meters
	Ground Elevation (AMSL)	82.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	374.8 meters
	Height of Radiation Center Above Average Terrain	372.8 meters
	Height of Radiation Center Above Mean Sea Level	456.8 meters
	Effective Radiated Power	750 kW

Site 1: Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	1004139
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TUD-C5SP-10/36SPH-1-B
	Electrical Beam Tilt	0.9
	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?	
	Rotation	30 degrees
	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	.392	90	.518	180	1.0	270	.864
10	.362	100	.588	190	.929	280	.908
20	.356	110	.585	200	.862	290	.959
30	.396	120	.669	210	.918	300	.874
40	.403	130	.842	220	.930	310	.700
50	.362	140	.955	230	.866	320	.599
60	.357	150	.924	240	.908	330	.593
70	.386	160	.862	250	.997	340	.537
80	.427	170	.929	260	.951	350	.441

Additional Azimuths

Degree	V _A
252	1.0
16	.352

Site 2: Antenna
Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1037283
Coordinates (NAD83)	Latitude	39° 24' 10.4" N+
	Longitude	076° 36' 10.9" W-
	Structure Type	BTWR-Building with TOWER /ANTENNA on top
	Overall Structure Height	85.3 meters
	Support Structure Height	57.9 meters
	Ground Elevation (AMSL)	145.4 meters
Antenna Data	Height of Radiation Center Above Ground Level	69.6 meters
	Height of Radiation Center Above Average Terrain	110.0 meters
	Height of Radiation Center Above Mean Sea Level	215.0 meters
	Effective Radiated Power	7.0 kW

Site 2: Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1010662
Antenna Manufacturer and Model	Manufacturer:	Dielectric
	Model	TFU-4WB-C160
	Electrical Beam Tilt	5.5
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
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?	
	Rotation	240 degrees
	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	0.792	90	0.898	180	0.677	270	0.898
10	0.809	100	0.851	190	0.634	280	0.937
20	0.853	110	0.780	200	0.523	290	0.972
30	0.911	120	0.672	210	0.414	300	0.996
40	0.964	130	0.533	220	0.416	310	0.995
50	0.995	140	0.413	230	0.534	320	0.966
60	0.997	150	0.411	240	0.673	330	0.913
70	0.974	160	0.521	250	0.781	340	0.854
80	0.938	170	0.632	260	0.851	350	0.809

Additional Azimuths

Degree	V _A
55	1.000
305	1.000

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.	Lisa Asher <i>Secretary, Treasurer, CFO</i> 12/18/2023

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>Support for WNUV DTS Experimental STA.pdf</u>	Applicant	General Information	Support for WNUV DTS Experimental STA