



(REFERENCE COPY - Not for submission)

DTS Engineering STA Application

File Number: 0000117250 | Submit Date: 07/08/2020 | Call Sign: WVPT | Facility ID: 60111 | FRN: 0006692347 | State: Virginia | City: STAUNTON

Service: DTS | Purpose: Engineering STA | Status: Granted | Status Date: 07/21/2020 | Expiration Date:

Filing Status: InActive

General Information

Section	Question	Response
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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
VPM MEDIA CORPORATION Applicant Doing Business As: VPM MEDIA CORPORATION	23 Sesame Street Richmond, VA 23235 United States	+1 (804) 320-1301	mspinner@vpm.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.

Contact
Representatives
(2)

Contact Name	Address	Phone	Email	Contact Type
Ari Meltzer Meltzer Wiley Rein LLP	1776 K Street, NW Washington, DC 20006 United States	+1 (202) 719- 7467	ameltzer@wiley. law	Legal Representative
Douglas Lee Vernier Lee Vernier Doug Vernier Telecommunications Consultants	Doug Vernier 1600 Picturesque Dr. Cedar Falls, IA 50613- 4541 United States	+1 (319) 266- 7435	dvernier@v-soft. com	Technical Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	60111
	State	Virginia
	City	STAUNTON
	DTS Channel	12
	Designated Market Area	HARRISONBURG
Facility Type	Facility Type	Noncommercial Educational
	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?	No
	ASR Number	
Coordinates (NAD83)	Latitude	38° 09' 54.4" N+
	Longitude	079° 18' 50.1" W-
	Structure Type	UTOWER-Unguyed - Free Standing Tower
	Overall Structure Height	12 meters
	Support Structure Height	12 meters
	Ground Elevation (AMSL)	1323 meters
Antenna Data	Height of Radiation Center Above Ground Level	10 meters
	Height of Radiation Center Above Average Terrain	689 meters
	Height of Radiation Center Above Mean Sea Level	1333 meters
	Effective Radiated Power	10 kW

Site 1: Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	108799
Antenna Manufacturer and Model	Manufacturer:	MCI
	Model	SERIES 953422
	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?	
	Rotation	0 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	0.03	90	0.84	180	0.72	270	0.07
10	0.01	100	0.9	190	0.89	280	0.02
20	0.04	110	0.82	200	0.9	290	0.02
30	0.01	120	0.73	210	0.84	300	0.03
40	0.19	130	0.68	220	0.79	310	0.03
50	0.32	140	0.88	230	0.73	320	0.02
60	0.46	150	1	240	0.42	330	0.02
70	0.61	160	0.87	250	0.28	340	0.02
80	0.75	170	0.7	260	0.18	350	0.03

Additional Azimuths

Degree	V _A
195	0.91
173	0.695
149	1
127	0.67
115	0.8

Site 2: Antenna
Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1018222
Coordinates (NAD83)	Latitude	37° 59' 00.0" N+
	Longitude	078° 29' 01.0" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	90.5 meters
	Support Structure Height	81.7 meters
	Ground Elevation (AMSL)	427.1 meters
Antenna Data	Height of Radiation Center Above Ground Level	68 meters
	Height of Radiation Center Above Average Terrain	333 meters
	Height of Radiation Center Above Mean Sea Level	495.1 meters
	Effective Radiated Power	0.1 kW

Site 2: Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	108800
Antenna Manufacturer and Model	Manufacturer:	SCA
	Model	DRV-1
	Electrical Beam Tilt	Not Applicable
	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	0 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	1	90	0.028	180	0.056	270	0.028
10	0.973	100	0.04	190	0.053	280	0.108
20	0.888	110	0.091	200	0.06	290	0.208
30	0.764	120	0.12	210	0.087	300	0.325
40	0.616	130	0.129	220	0.115	310	0.465
50	0.465	140	0.115	230	0.129	320	0.617
60	0.325	150	0.087	240	0.12	330	0.764
70	0.208	160	0.06	250	0.091	340	0.888
80	0.108	170	0.053	260	0.04	350	0.973

Additional Azimuths

Degree	V _A
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Site 3: Antenna
Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	No
	ASR Number	
Coordinates (NAD83)	Latitude	38° 20' 39.4" N+
	Longitude	079° 35' 46.1" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	46 meters
	Support Structure Height	46 meters
	Ground Elevation (AMSL)	1295 meters
Antenna Data	Height of Radiation Center Above Ground Level	43 meters
	Height of Radiation Center Above Average Terrain	470 meters
	Height of Radiation Center Above Mean Sea Level	1338 meters
	Effective Radiated Power	0.008 kW

Site 3: Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	108801
Antenna Manufacturer and Model	Manufacturer:	SCA
	Model	CL-713
	Electrical Beam Tilt	Not Applicable
	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	0 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	0.974	90	0.01	180	0.01	270	0.01
10	0.879	100	0.01	190	0.01	280	0.01
20	0.717	110	0.01	200	0.01	290	0.01
30	0.491	120	0.01	210	0.01	300	0.048
40	0.224	130	0.01	220	0.01	310	0.224
50	0.048	140	0.01	230	0.01	320	0.491
60	0.01	150	0.01	240	0.01	330	0.717
70	0.01	160	0.01	250	0.01	340	0.879
80	0.01	170	0.01	260	0.01	350	0.974

Additional Azimuths

Degree	V _A
355	1

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.	Austin Wright Wright <i>Technology Manager/Chief Engineer</i> 07/08/2020

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>Variance Narrative.pdf</u>	Applicant	All Purpose	Variance narrative