



(REFERENCE COPY - Not for submission)

Digital Class A Engineering STA Application

File Number: **BSTA-20150407ABM** | Submit Date: **04/07/2015** | Call Sign: **WARZ-CD** | Facility ID: **71089** | FRN:
0001961713 | State: **North Carolina** | City: **SMITHFIELD-SELMA**

Service: **DCA** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **04/13/2015** | Expiration Date: **10/13/2015** |

Filing Status: **InActive**

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?	Yes
	Indicate reason for fee exemption:	PAID BLSTA- 20150331AQZ
Waivers	Does this filing request a waiver of the Commission's rule(s)?	
	Total number of rule sections involved in this waiver request:	

Applicant
Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
WATERS AND BROCK COMMUNICATIONS, INC. Applicant Doing Business As: WATERS AND BROCK COMMUNICATIONS, INC.	P.O. BOX 1826 SMITHFIELD, NC 27577 United States	+1 (919) 965-8835	GERALD@WARZ. TV	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
TIMOTHY Z. SAWYER CONSULTING ENGINEER	MULLANEY ENGINEERING, INC. 4937 G - GREEN VALLEY ROAD MONROVIA, MD 21770 United States	+1 (301) 921- 0115	MULLANEY@MULLENGR. COM	Technical Representative
GERALD WATERS WARZ TV34	P.O. BOX 1826 SMITHFIELD, NC 27577 United States	+1 (919) 965- 8835	GERALD@WARZ.TV	Legal Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	71089
	State	North Carolina
	City	SMITHFIELD-SELMA
	DCA Channel	34
	Designated Market Area	Raleigh-Durham (Fayetteville)

Antenna Location
Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1205989
Coordinates (NAD83)	Latitude	35° 31' 45.6" N+
	Longitude	078° 18' 07.0" W-
	Structure Type	
	Overall Structure Height	121.9 meters
	Support Structure Height	
	Ground Elevation (AMSL)	46.9 meters
Antenna Data	Height of Radiation Center Above Ground Level	114.3 meters
	Height of Radiation Center Above Mean Sea Level	161.2 meters
	Effective Radiated Power	15 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	121197
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TFU-16DSB-C
	Rotation	0 degrees
	Electrical Beam Tilt	1
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	
Elevation Radiation 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	
	Out-of-Channel Emission Mask:	Stringent

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.99	90	0.474	180	0.522	270	0.671
10	0.973	100	0.414	190	0.5	280	0.748
20	0.946	110	0.378	200	0.467	290	0.818
30	0.907	120	0.378	210	0.43	300	0.877
40	0.857	130	0.408	220	0.4	310	0.924
50	0.792	140	0.449	230	0.398	320	0.958
60	0.713	150	0.487	240	0.44	330	0.98
70	0.628	160	0.515	250	0.51	340	0.994
80	0.547	170	0.527	260	0.59	350	1

Additional Azimuths

Degree	V _A
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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.	
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	GERALD WATERS 04/07/2015

Attachments

File Name	Uploaded By	Attachment Type	Description
1675712_1298914.txt	Applicant	All Purpose	STA REQUEST
D:\data\prod\cdbs\letters\57\A-1675712_F-71089_L-57586-BSTA-20150407ABM.pdf	Internal	All Purpose	imported letter
D:\data\prod\cdbs\letters\A-1675712_F-71089_L-57584-BSTA-20150407ABM.pdf	Internal	All Purpose	Requested: 04/13/15 10:08:46
D:\data\prod\cdbs\letters\A-1675712_F-71089_L-57585-BSTA-20150407ABM.pdf	Internal	All Purpose	Requested: 04/13/15 10:17:54