



(REFERENCE COPY - Not for submission)

Digital Class A Engineering STA Application

File Number: **0000067180** | Submit Date: **01/28/2019** | Call Sign: **WYHB-CD** | Facility ID: **167588** | FRN: **0026907345**
 State: **Tennessee** | City: **CHATTANOOGA**
 Service: **DCA** | Purpose: **Engineering STA** | Status: **Granted** | Status Date: **02/14/2019** | Expiration Date: **08/13/2019**
 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
Engineering STA	MGT	\$200.00
Total		\$200.00

**Applicant
Information**

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
HC2 Station Group, Inc.	RENEE ILHARDT 450 PARK AVENUE 30TH FLOOR NEW YORK, NY 10022 United States	+1 (954) 606-5486	RILHARDT@HC2BROADCASTING.COM	Corporation

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
(4)**

Contact Name	Address	Phone	Email	Contact Type
Paul A Cicelski <i>Legal Counsel</i> Lerman Senter PLLC	Paul A. Cicelski 2001 L Street, NW Suite 400 Washington, DC 20036 United States	+1 (202) 416- 6756	pcicelski@lermansenter.com	Legal Representative
KURT HANSON <i>CHIEF TECHNICAL OFFICER</i> HC2 Station Group	KURT HANSON 450 PARK AVENUE 30TH FLOOR NEW YORK, NY 10022 United States	+1 (212) 339- 5853	KHANSON@HC2BROADCASTING. COM	Technical Representative
REBECCA HANSON <i>EVP and General Counsel</i> HC2 Station Group	REBECCA HANSON 450 PARK AVENUE 30TH FLOOR NEW YORK, NY 10022 United States	+1 (212) 339- 5832	RHANSON@HC2BROADCASTING. COM	Legal Representative
John E. Hidle , PE . <i>Consulting Engineer</i> Carl T. Jones Corporation	John E. Hidle, PE 7901 Yarnwood Court Springfield, VA 22153-2827 United States	+1 (703) 569- 7704	jhidle@ctjc.com	Technical Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	167588
	State	Tennessee
	City	CHATTANOOGA
	DCA Channel	44
	Designated Market Area	Chattanooga

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1042692
Coordinates (NAD83)	Latitude	35° 12' 36.0" N+
	Longitude	085° 16' 42.3" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	176.5 meters
	Support Structure Height	161.5 meters
	Ground Elevation (AMSL)	605.3 meters
Antenna Data	Height of Radiation Center Above Ground Level	30 meters
	Height of Radiation Center Above Mean Sea Level	635.3 meters
	Effective Radiated Power	7.5 kW

**Antenna
Technical Data**

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1004563
Antenna Manufacturer and Model	Manufacturer:	KATHREIN
	Model	75010210
	Rotation	0 degrees
	Electrical Beam Tilt	Not Applicable
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
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	V _A (Authorized Value)	Degree	V _A (Authorized Value)	Degree	V _A (Authorized Value)	Degree	V _A (Authorized Value)
0	.167	90	.964	180	.995	270	.137
10	.135	100	.997	190	.958	280	.169
20	.131	110	.900	200	.844	290	.157
30	.185	120	.774	210	.719	300	.077
40	.302	130	.797	220	.580	310	.130
50	.451	140	.849	230	.421	320	.189
60	.597	150	.790	240	.279	330	.120
70	.727	160	.771	250	.178	340	.085
80	.848	170	.900	260	.134	350	.164

Additional Azimuths

Degree	V _A
98	1.0

Certification

Section	Question	Response
<p>General Certification Statements</p>	<p>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.).</p>	
	<p>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.</p>	
<p>Authorized Party to Sign</p>	<p>FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID</p> <p>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.</p> <p>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).</p>	
	<p>I certify that this application includes all required and relevant attachments.</p>	<p>Yes</p>
	<p>I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.</p>	<p>Les Levi <i>Chief Operating Officer</i></p> <p>01/22/2019</p>

Attachments

File Name	Uploaded By	Attachment Type	Description
<u>WYHB-CD - Ch 44 STA Antenna Pattern - 1-21-2019.pdf</u>	Applicant	General Information	WYHB-CD - KATHREIN antenna horizontal azimuth relative field data.
<u>WYHB-CD - Ch 44 - STA for off-site facility Technical Document - 1-21-2019.pdf</u>	Applicant	All Purpose	WYHB-CD - STA request technical document - 1-21-2019
<u>WYHB-CD - STA CH44 H Pole Antenna Data - 1-21-2019 Exhibit 2.pdf</u>	Applicant	General Information	WYHB-CD - KATHREIN antenna data for STA facility request
<u>WYHB-CD- STA request Rad Haz Compliance Statement - 1-21-2019.pdf</u>	Applicant	All Purpose	WYHB-CD - Environmental and Radio Frequency Radiation Safety Compliance Statement for STA request - 1-21-2019