



(REFERENCE COPY - Not for submission)

Amendment to a LPTV Experimental STA Application

File Number: 0000236984 | Submit Date: 03/07/2024 | Call Sign: WTX-LD | Facility ID: 31453 | FRN: 0026907345 |

State: Massachusetts | City: SPRINGFIELD

Service: LPD | Purpose: Experimental STA Amendment | Status: Pending | Status Date: 03/07/2024 | 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:	

Applicant
Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
HC2 STATION GROUP, INC.	RENEE ILHARDT 295 MADISON AVENUE, 12TH FLOOR NEW YORK, NY 10017 United States	+1 (954) 606-5486	RILHARDT@HC2BROADCASTING.COM	Corporation

Contact
Representatives
(2)

Contact Name	Address	Phone	Email	Contact Type
RENEE ILHARDT VP, REGULATORY AFFAIRS HC2 BROADCASTING HOLDINGS, INC.	RENEE ILHARDT 295 MADISON AVENUE, 12TH FLOOR NEW YORK, NY 10017 United States	+1 (954) 606- 5486	RILHARDT@HC2BROADCASTING. COM	CORPORATE REPRESENTATIVE
DAVID O'CONNOR PARTNER WILKINSON, BARKER, KNAUER, LLP	DAVID O'CONNOR 1800 M STREET NW; SUITE 800N WASHINGTON, DC 20036 United States	+1 (202) 383- 3429	DOCONNOR@WBKLAW.COM	Legal Representative

Channel and Facility Information

Section	Question	Response
Facility ID	31453	
State	Massachusetts	
City	SPRINGFIELD	
LPD Channel	29	

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	41° 37' 04.9" N+
	Longitude	072° 58' 16.5" W-
	Structure Type	MAST-Self-support struct
	Overall Structure Height	60.7 meters
	Support Structure Height	55.5 meters
	Ground Elevation (AMSL)	320.12 meters
Antenna Data	Height of Radiation Center Above Ground Level	37.62 meters
	Height of Radiation Center Above Mean Sea Level	357.74 meters
	Effective Radiated Power	7.3 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	No
	Antenna ID	1011543
Antenna Manufacturer and Model	Manufacturer:	KAT
	Model	2X3 750 00000044
	Rotation	0.0 degrees
	Electrical Beam Tilt	0.60
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Circular
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:	Full Service

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.941	90	0.991	180	0.126	270	0.991
10	0.876	100	0.979	190	0.110	280	0.895
20	0.755	110	0.866	200	0.115	290	0.755
30	0.739	120	0.695	210	0.196	300	0.731
40	0.817	130	0.526	220	0.360	310	0.815
50	0.815	140	0.359	230	0.526	320	0.817
60	0.731	150	0.196	240	0.695	330	0.739
70	0.754	160	0.114	250	0.865	340	0.755
80	0.896	170	0.110	260	0.979	350	0.876

Additional Azimuths

Degree	V _A
266	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.	RENEE ILHARDT <i>VICE PRESIDENT OF REGULATORY AFFAIRS</i> 03/07/2024

Attachments

File Name	Uploaded By	Attachment Type	Description
5G BROADCAST PART 1.pdf	Applicant	General Information	5G Broadcast Exhibit 1
5G BROADCAST PART 2.pdf	Applicant	General Information	5G Broadcast Exhibit 2
5G BROADCAST PART 3.pdf	Applicant	General Information	5G Broadcast Exhibit 3
Amendment Narrative for WTXX.pdf	Applicant	Amendment	Amendment Narrative for WTXX
Contour Map.pdf	Applicant	General Information	Contour Map.pdf
Experimental 5G Broadcasting - POC2.pdf	Applicant	General Information	Experimental 5G Broadcasting
IBC 5g broadcast receivers optimizing performance under implementation constraints_822058.pdf	Applicant	General Information	IBC Exhibit 5
IBC dvbi service delivery over 5g systems_971865.pdf	Applicant	General Information	IBC Exhibit 6
Pop Comp WTXX_WRNT.pdf	Applicant	General Information	Pop Comp WTXX_WRNT.pdf
Third Amendment Narrative for WTXX.pdf	Applicant	Amendment	Third Amendment Narrative for WTXX.pdf
TV TECHNOLOGY 09082023 DOUG LUNG COMPARISON OF ASTC 3.0 AND 5G.pdf	Applicant	General Information	TV Technology exhibit
WTXX-LD 5G EXPERIMENTAL APPLICATION ENGINEERING.pdf	Applicant	General Information	Engineering statement
WTXX-LD amendment to 5G Broadcast experimental STA request.pdf	Applicant	Amendment	Second amendment
WTXX-LD Experimental Authority exhibit.pdf	Applicant	General Information	WTXX legal exhibit