Approved by OMB (Office of Management and Budget) 3060-1254
Estimated Time Per Response: 2 – 8 hours
March 2019

Federal Communications Commission

(REFERENCE COPY - Not for submission)

Modification of a License for LPTV Station Application

File Number: **0000200779** | Submit Date: **09/22/2022** | Call Sign: **K22OB-D** | Facility ID: **182420** | FRN: **0033107640**
State: **Oregon** | City: **MEDFORD**
Service: **LPD** | Purpose: **Modification to License (Next Gen) 0000139991** | Status: **Granted** | Status Date: **10/04/2022**
Expiration Date: **02/01/2023** | Filing Status: **Active**

General Information

Section	Question	Response
Attachments	Are attachments (other than associated schedules) being filed with this application?	No

Fees, Waivers, and Exemptions

Section	Question	Response
Fees	Is the applicant exempt from FCC application Fees?	No
	Indicate reason for fee exemption:	
	Is the applicant exempt from FCC regulatory Fees?	No
Waivers	Does this filing request a waiver of the Commission's rule(s)?	No
	Total number of rule sections involved in this waiver request:	
	Are the frequencies or parameters requested in this filing covered by grandfathered privileges, previously approved by waiver, or functionally integrated with an existing station?	No

Application Type	Fee Code	Fee Amount
Modification to License (Next Gen)	MJT	$380.00
	Total	**$380.00**

Applicant Information

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
SPECTRUM EVOLUTION, INC. Doing Business As: SPECTRUM EVOLUTION, INC.	PO Box 682 SOUTHLAKE, TX 76092 United States	+1 (503) 819-0500	GJHPDX@MAC.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 (2)

Contact Name	Address	Phone	Email	Contact Type
Jesus Ortega *ENGINEERING CONSULTANT* Broadcast Engineering Services	60891 Robinette Road Saint Helens, OR 97501 United States	+1 (503) 336-1498	jess@oregonbes.com	Technical Representative
Kathleen Victory FLETCHER, HEALD, & HILDRETH, P.L.C.	1300 North 17th Street Suite 1100 Arlington, VA 22209 United States	+1 (703) 812-0473	victory@fhhlaw.com	Legal Representative

Alien Ownership

Question	Response
1) Is the applicant a foreign government or the representative of any foreign government as specified in Section 310(a) of the Communications Act?	No
2) Is the applicant an alien or the representative of an alien? (Section 310(b)(1))	No
3) Is the applicant a corporation, or non-corporate entity, that is organized under the laws of any foreign government? (Section 310(b)(2))	No
4) Is the applicant an entity of which more than one-fifth of the capital stock, or other equity or voting interest, is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any entity organized under the laws of a foreign country? (Section 310(b)(3))	No
5) Is the applicant directly or indirectly controlled by any other entity of which more than one-fourth of the capital stock, or other equity or voting interest, is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any entity organized under the laws of a foreign country? (Section 310(b)(4))	No
6) Has the applicant received a declaratory ruling(s) under Section 310(b)(4) of the Communications Act?	No
7) In connection with this application, is the applicant filing a foreign ownership Petition for Declaratory Ruling pursuant to Section 310(b)(4) of the Communications Act?	No

Basic Qualifying Questions

Section	Question	Response
Revoked Application	Has the Applicant or any party to this application had any FCC station Authorization revoked or had any application for an initial, modification or renewal of FCC station Authorization denied by the Commission?	No
State or Federal Convictions	Has the Applicant or any party to this application, or any party directly or indirectly controlling the Applicant, ever been convicted of a felony by any state or federal court?	No

Next Gen Information

Question	Response
Will the applicant station voluntarily provide ATSC 1.0 simulcast service, pursuant to 47 CFR Section 74.782(b)?	No

Section	Question	Response
Commencement of Operations Date	Provide the date the applicant intends/estimates it will commence ATSC 3.0 service.	09/26/2022

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	182420
	State	Oregon
	City	MEDFORD
	LPD Channel	22
	Designated Market Area	Medford-Klamath Falls
Designated Market Area	Medford-Klamath Falls	

Primary station proposed to be rebroadcast:

Facility Id	Call Sign	City	State

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1230251
Coordinates (NAD83)	Latitude	42° 26' 47.0" N+
	Longitude	123° 03' 26.3" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	35.6 meters
	Support Structure Height	30.4 meters
	Ground Elevation (AMSL)	741.4 meters
Antenna Data	Height of Radiation Center Above Ground Level	30 meters
	Height of Radiation Center Above Mean Sea Level	771.4 meters
	Effective Radiated Power	0.1 kW

Antenna Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	95158
Antenna Manufacturer and Model	Manufacturer:	PSI
	Model	PSIUCB4EC
	Rotation	85 degrees
	Electrical Beam Tilt	1.75
	Mechanical Beam Tilt	2.0
	toward azimuth	85
	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:	Full Service

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	0.995	**90**	1	**180**	0.064	**270**	1
10	0.95	**100**	0.967	**190**	0.026	**280**	0.95
20	0.765	**110**	0.861	**200**	0.101	**290**	0.765
30	0.698	**120**	0.701	**210**	0.208	**300**	0.698
40	0.815	**130**	0.513	**220**	0.345	**310**	0.815
50	0.816	**140**	0.33	**230**	0.507	**320**	0.816
60	0.702	**150**	0.182	**240**	0.673	**330**	0.702
70	0.782	**160**	0.066	**250**	0.835	**340**	0.782
80	0.967	**170**	0.018	**260**	0.995	**350**	0.967

Additional Azimuths

Degree	V_A

Parties to the Application (0)

Information not provided.

Attributable Interest

Section	Question	Response
Equity and Financial Interests	Applicant certifies that equity and financial interests not set forth by the applicant parties are non-attributable.	
Other Authorizations	Does the applicant or any party to the application have an attributable interest in any other broadcast station(s).	

Next Gen Certifications

Section	Question	Response
Commencement of Service Certification	Certify that the applicant understands that it is not permitted to commence ATSC 3.0 service or ATSC 1.0 simulcast service (if applicable) until the instant application is granted and all required consumer education/MVPD notification requirements are complete. Upon grant of the instant application, the applicant has 180 days to commence all services authorized under the applicant station's modified license.	Yes
Consumer Education and MVPD Notice	Certify that the applicant will comply with the consumer education requirements pursuant to 47 CFR Section 74.782 (h) prior to commencing ATSC 3.0 service or ATSC 1.0 simulcast service (if applicable).	Yes
	Certify that the applicant will comply with the MVPD notice requirements pursuant to 47 CFR Section 74.782(i) prior to commencing ATSC 3.0 service or ATSC 1.0 simulcast service (if applicable).	Yes
General Certification	Certify that the applicant will comply with all FCC technical and programming rules that apply to the applicant station’s ATSC 3.0 service and its ATSC 1.0 simulcast service (if applicable).	Yes

License Certifications

Section	Question	Response
Constructed Facility	The facility constructed as authorized in the underlying construction permit.	Yes
Special Operating Conditions	The facility was constructed in compliance with all special operating conditions, terms, and obligations described in the construction permit. **An exhibit may be required.** Review the underlying construction permit.	Yes

Legal Certifications

Section	Question	Response
Obligations	Licensee/Permittee certifies that all terms, conditions, and obligations set forth in the underlying construction permit have been fully met.	Yes
	Licensee/Permittee certifies that, apart from changes already reported, no cause or circumstance has arisen since the grant of the underlying construction permit which would result in any statement or representation contained in the construction permit application to be now incorrect.	Yes
Character Issues	Applicant certifies that neither applicant nor any party to the application has or had any interest in, or connection with: (a) any broadcast application in any proceeding where character issues were left in unresolved or were resolved adversely against the applicant or party to the application; or (b) any pending broadcast application in which character issues have been raised.	Yes
Adverse Findings	Has the Applicant or any party to this application had an adverse finding or an adverse final action taken by any court or administrative body in a civil or criminal proceeding brought under any law related to the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination?	No

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. If a "shared" facility, you certify that all "sharees" have agreed to the filing of this application and the changes that are proposed within. 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.	**Gregory J. Herman** *President* 09/22/2022

Attachments

Information not provided.