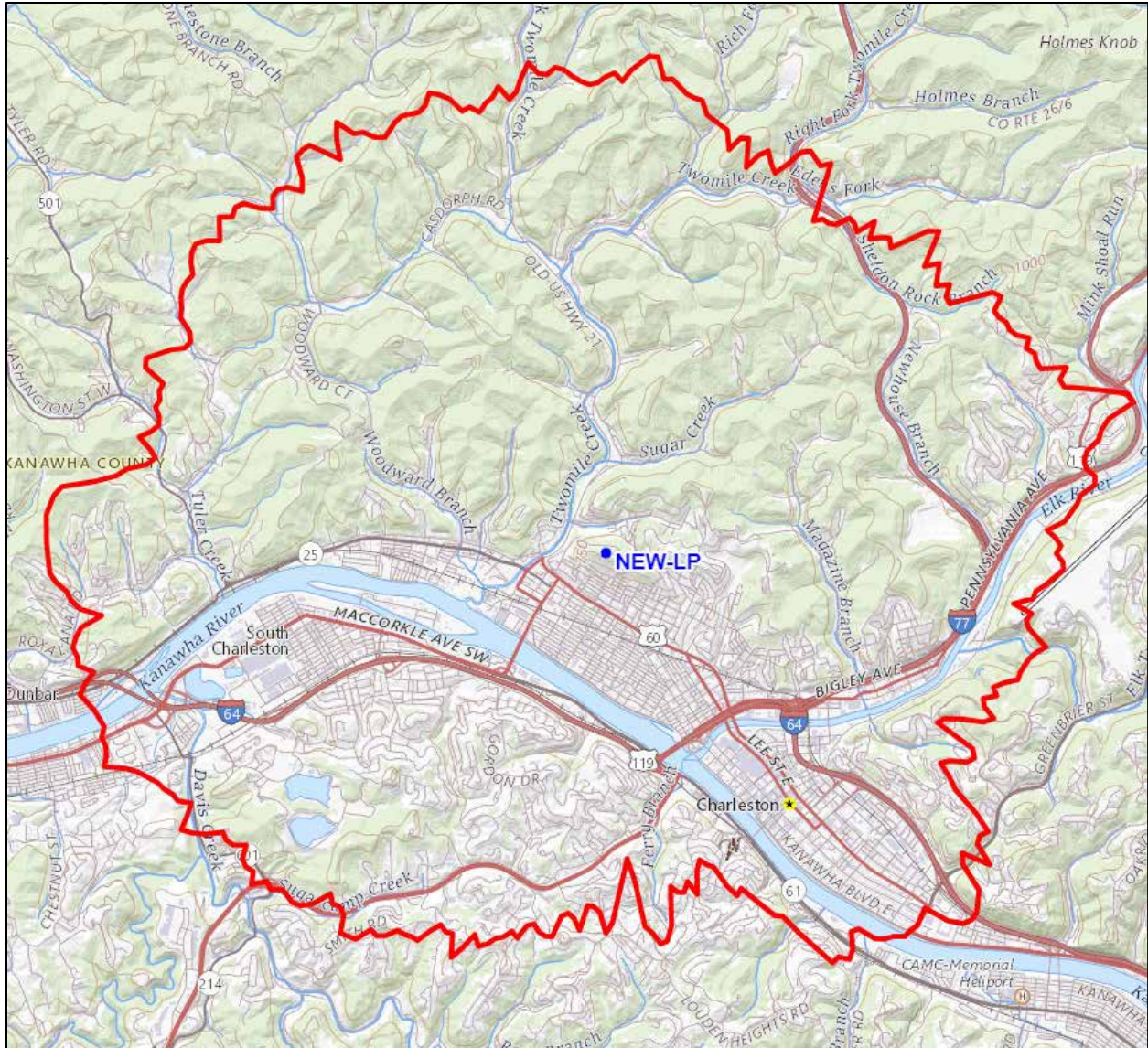




REC Networks/Michelle Bradley CBT
11541 Riverton Wharf Rd.
Mardela Springs, MD 21837
844.REC.LPFM/202.621.2355
recnet.com

Original Construction Permit Application
SOUTH CHARLESTON, WV
HATFIELD-MCCOY BLUEGRASS CORP.
Facility ID: 784772

PROPOSED 60dBu F(50,50) SERVICE CONTOUR



SOUTH CHARLESTON, WV ~ Channel 281LP100 (104.1 MHz) ~ ERP 0.005 kW
Elev: 305.7 meters ~ RCAGL: 78 meters ~ RCAMSL: 383.7 meters ~ HAAT: 128 meters
Overall tower height: 100.6 meters AGL ~ ASR: 1238159
NAD83 Latitude: 38° 22' 34.6" NL ~ Longitude: 81° 39' 23.5" WL
No AM stations within 3 km.
Elevation and HAAT based on NED1 data from FCC Contours API.
Existing registered tower.

HATFIELD-MCCOY BLUEGRASS CORPORATION

New(LP)
South Charleston, West Virginia
Channel 281LP100 (104.1 MHz)

Distance separation	<i>\$73.807</i>	3
Second-Adjacent Channel Waiver request	<i>\$73.807</i>	4
Educational Statement	<i>\$73.503(a)</i>	7
Evidence of Corporation Status	<i>\$73.503(a)</i>	9
LPFM Point System factors	<i>\$73.872</i>	10
Demonstration of localism	<i>\$73.853</i>	11

R E C NETWORKS
CHANNEL REPORT

NAD83 LATITUDE: 38 - 22' 34.6" - LONGITUDE: 81 - 39' 23.5"
CHANNEL: 281 - CLASS: LP100

CHAN	FREQ	CALL	LOCATION	CLS	DIST	REQ	CLEAR	BEAR
227	93.3	WKVW : EDUCATIONAL MEDIA FOUNDATION	MARMET	WV A	16.2	0.0	16.2	134.6
278	103.5	WZVA : BRISTOL BROADCASTING COMPANY, INC.	MARION	VA A	165.3	0.0	165.3	171.6
278	103.5	WNND : FRANKLIN COMMUNICATIONS, INC.	PICKERINGTON	OH A	197.6	0.0	197.6	332.5
278	103.5	WIMZ-FM : MIDWEST COMMUNICATIONS, INC.	KNOXVILLE	TN C	309.1	0.0	309.1	216.8
278	103.5	WOGH : FM RADIO LICENSES, LLC	BURGETTSTOWN	PA B	235.9	0.0	235.9	21.8
278	103.5	W278CP : ASM Communications Inc.	SPENCER	WV D4	56.2	0.0	56.2	34.0
279	103.7	WCIR-FM : SOUTHERN COMMUNICATIONS CORPORATION > See waiver request.	BECKLEY	WV B	56.5	67.0	-10.5	147.4
280	103.9	WNRJ : FELLOWSHIP BAPTIST CHURCH OF VIENNA, WV	VIENNA	WV A	107.7	56.0	51.7	7.2
281	104.1	WVIW : VCY AMERICA, INC.	BRIDGEPORT	WV A	156.7	67.0	89.7	48.6
281	104.1	WPYK : EDUCATIONAL MEDIA FOUNDATION	PORTSMOUTH	OH C0	123.1	122.0	1.1	286.5
281	104.1	W281AJ : WEST VIRGINIA RADIO CORPORATION	BECKLEY	WV D5	80.0	32.0	48.0	149.1
281	104.1	WTQR : IHM LICENSES, LLC	WINSTON-SALEM	NC C	249.5	130.0	119.5	152.5
282	104.3	WULL-LP : IVYDALE COMMUNITY ACTION NETWORK, INC	IVYDALE	WV L1	57.1	14.0	43.1	71.7
283	104.5	W283AQ : WEST VIRGINIA RADIO CORPORATION OF CHARLESTON > See waiver request.	CROSS LANES	WV D7	3.5	21.0	-17.5	314.5
283	104.5	WASP-LP : SPRING VALLEY HIGH SCHOOL (STUDENTS)	HUNTINGTON	WV L1	75.1	0.0	75.1	270.3
283	104.5	WHAJ : FIRST MEDIA SERVICES, LLC	BLUEFIELD	WV C	131.5	93.0	38.5	161.7
284	104.7	WVRC-FM : ASM Communications Inc.	SPENCER	WV A	56.2	0.0	56.2	34.0
284	104.7	WJMD : HAZARD BROADCASTING, INC.	HAZARD	KY A	188.0	0.0	188.0	225.9

REQUEST FOR WAIVER OF §73.807(a)
SHORT-SPACED SECOND-ADJACENT CHANNEL

New(LP)
South Charleston, West Virginia
Channel 281LP100 (104.1 MHz)

The instant application meets all §73.807 distance separation requirements with the exception of second-adjacent channel stations WCIR-FM, Beckley, West Virginia and W283AQ, Cross Lanes, West Virginia. We address these shortcomings as set forth.

WCIR-FM operates on Channel 279B with 5 kW Effective Radiated Power (ERP) at 452 meters Height Above Average Terrain (HAAT) into a nondirectional antenna. WCIR-FM places a 60.0 dBu service contour at the proposed site.

W283AO is an FM translator operating on Channel 283 with 0.250 kW ERP at 156 meters HAAT into a directional antenna. W237AZ places a 85.5 dBu service contour at the proposed site.

When evaluating multiple short-spaced second-adjacent channel facilities, we further examine the one with the weaker field strength at the proposed transmitter site. In this case, WCIR-FM.

Using the U/D method¹, the proposed LPFM station is predicted to produce an undesired interference overlap in respect to KBBT to the proposed LPFM station's 100.0 dBu interfering contour ("overlap zone"). At 5 watts ERP using the free-space equation, the overlap zone only extends to 157 meters from the base of the radiation center of the antenna. Within 157 meters of the tower site, there are multiple occupied structures, albeit at significantly lower elevations. Utilizing a single bay Nicom BKG-77 antenna, based on manufacturer's specifications, it can be demonstrated that the 100 dBu interfering contour does not reach any point lower than 8 meters above ground level at the tower base. Therefore, the predicted interference will not reach the ground at the tower base or at any destination point along the elevation pattern, regardless of the lower elevation of the nearby structures. As such, it can be concluded that the proposed interfering contour of the instant application will not result in any interference to any listeners or potential listeners of WCIR-FM and W283AO.

As we have determined that the proposed facility will not cause any interference, the applicant is requesting a waiver of §73.807(a) in respect to WCIR-FM, Beckley, West Virginia and W283AQ, Cross Lanes, West Virginia.

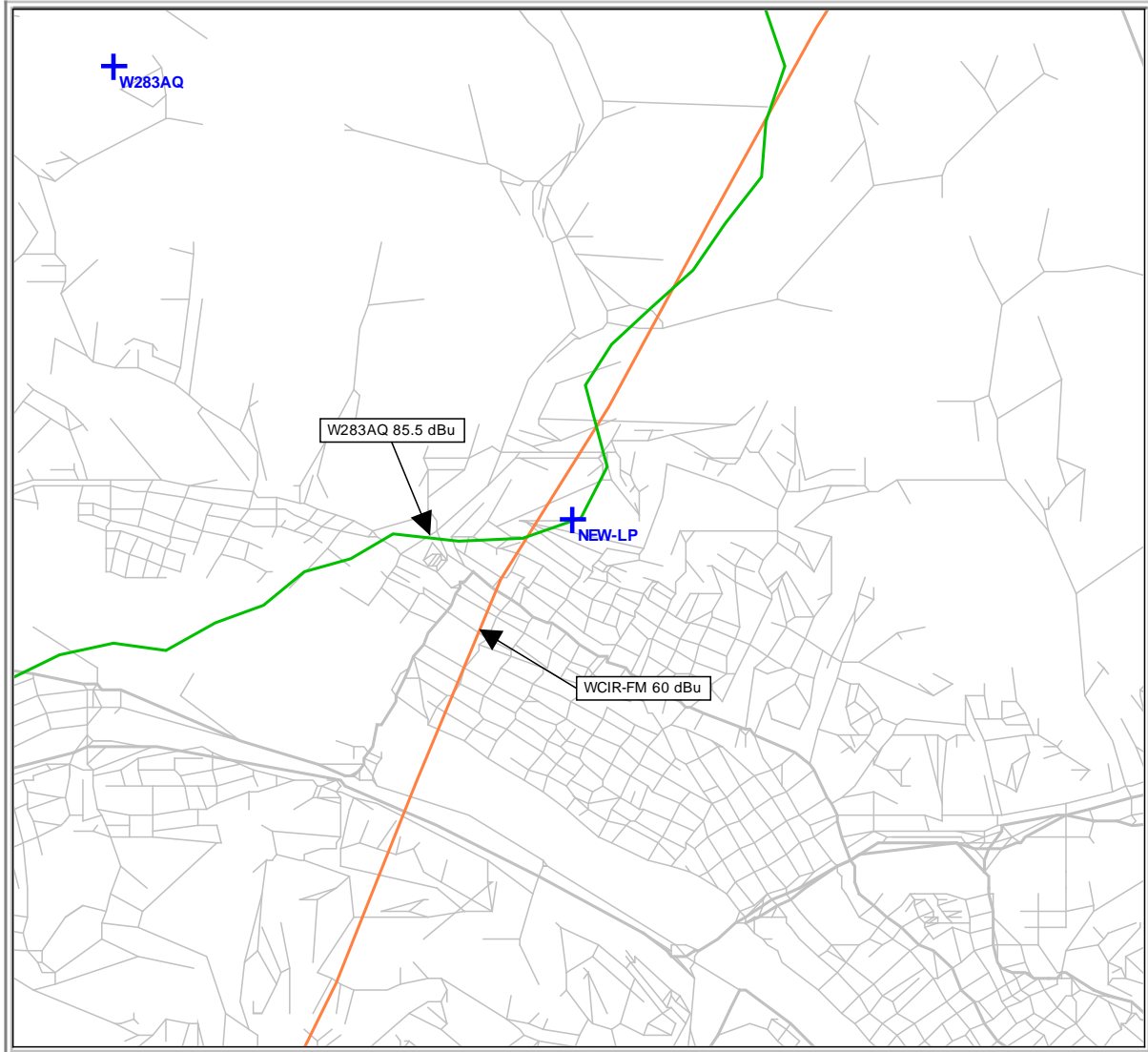
Prepared by,

/S/
Michelle Bradley, CBT
REC Networks

December 6, 2023

¹ See *Living Way Ministries, Inc.* Memorandum Opinion and Order, 17 FCC Rcd 17054, 17056 (2002) at 5. *Recon denied* 23 FCC Rcd 15070 (2008).

Second-adjacent channel stations



Map Scale: 1:29864 1 cm = 0.30 km V/H Size: 5.49 x 5.85 km

Proposed Power:				0.005 kW				
Antenna Height AGL:				78 m				
Interference Contour:				100 dBu				
Artificial RX Antenna Height:				2 m				
Antenna Type:				Nicom BKG77 - 1 bay 0 wave spacing				
Angle Below Horizon	Antenna Relative Field	ERP in kW	ERP in dBk	Distance from Ant to Interference Contour	Distance from Ant to Artificial Plane	Field Strength in dBu @ Artificial Plane	Distance from Ant to Ground Level	Field Strength in dBu @ Ground Level
5	0.999	0.005	-23.02	156.69	872.00	85.09	894.95	84.87
10	0.982	0.005	-23.17	154.03	437.67	90.93	449.18	90.70
15	0.954	0.005	-23.42	149.64	293.64	94.14	301.37	93.92
20	0.918	0.004	-23.75	143.99	222.21	96.23	228.06	96.01
25	0.872	0.004	-24.20	136.77	179.83	97.62	184.56	97.40
30	0.818	0.003	-24.76	128.30	152.00	98.53	156.00	98.30
35	0.758	0.003	-25.42	118.89	132.50	99.06	135.99	98.83
40	0.691	0.002	-26.22	108.38	118.24	99.24	121.35	99.02
45	0.616	0.002	-27.22	96.62	107.48	99.07	110.31	98.85
50	0.538	0.001	-28.39	84.39	99.21	98.59	101.82	98.37
55	0.465	0.001	-29.66	72.94	92.78	97.91	95.22	97.68
60	0.391	0.001	-31.17	61.33	87.76	96.89	90.07	96.66
65	0.313	0.000	-33.10	49.09	83.86	95.35	86.06	95.12
70	0.239	0.000	-35.44	37.49	80.88	93.32	83.01	93.10
75	0.176	0.000	-38.10	27.61	78.68	90.90	80.75	90.68
80	0.129	0.000	-40.80	20.23	77.17	88.37	79.20	88.15
85	0.103	0.000	-42.75	16.16	76.29	86.52	78.30	86.29
90	0.105	0.000	-42.59	16.47	76.00	86.72	78.00	86.49

EDUCATIONAL STATEMENT

New(LP)
South Charleston, West Virginia
Channel 281LP100 (104.1 MHz)

To support the discovery, preservation and dissemination of the history of the Hatfield-McCoy region in arts, music and history. To educate the current and future generation of students and citizens to the historical nature of the region. To promote a broad attraction of tourism to the Appalachian region.

The Hatfield-McCoy Bluegrass Corporation (HMBC), proposes to develop and utilize the proposed radio facilities to extend and enhance its existing mission by providing a broad range of educational and informational programs and features targeted to the South Charleston / Kanawha County community. The corporation intends to work directly with local schools and organizations using LPFM radio to further enhance its mission as more described below.

It is the intention of the corporation to participate with the local high school, South Charleston High School, to embed the broadcasting and media skill set into a possible Career-Technical Education (CTE) simulated workplace curriculum for Broadcasting Technology.

Further, as part of the LPFM station working with students in local schools, this enhances the ability to train students on the historical nature of the Hatfield-McCoy region and Appalachia.

We anticipate student participation will include training to cover live community events, usually events not covered by local commercial radio stations such as Special Olympics and Girls Sporting Events, for the local school systems. Students will be assisting with the broadcasting by performing such tasks as setup for each event covered, and actually being involved with the broadcast itself such as play-by-play and color commentary. This provides students with valuable live experience of broadcasting as well as serving the community at the same time.

The Station will be used to collaborate with South Charleston high school and feeder schools at the middle school level for that institution which include Dunbar Middle and South Charleston Middle school.

The Station's daily music programming will include a focus on music and musicians including those with connections to the Kanawha County area, the state of West Virginia, and the Appalachian region. The music itself will be carefully curated and supplemented with relevant commentary, history, and background information about artists and songs, presented by knowledgeable hosts. The broad range of our music programming includes many specialty shows, but is not limited to the examples listed below.

Examples include:

- "WoodSongs Old-Time Radio Hour": a one-hour weekly show - hosted by author and musician Michael Johnathon - featuring live performances and conversations with musicians representing a variety of styles and genres.

- "The Tim White Bluegrass Show": a one-hour weekly show - hosted by artist and musician Tim White (host of KET's 'Song of the Mountain') - featuring performances and conversations with musicians representing a variety of styles and genres.
- "Lancelott Music": a one-hour weekly show - hosted by artist and musician Lance Lykins - featuring performances of original electronic dance music with contributing musicians representing a variety of styles.

The Station's public affairs programming will address issues determined to be the most significant issues categories to the coverage area. The broad range of our public affairs programming will include many shows, but is not limited to the examples listed below.

Examples include:

- "Viewpoints": a thirty-minute weekly show - listeners hear from experts, authors and newsmakers in fields such as business, social sciences, sports, education, popular culture and the arts.
- "Radio Health Journal": a thirty-minute weekly show - examines two important issues in health, science and technology each week, interviewing experts, doctors and scientists from all over the world. "Radio Health Journal" is the radio magazine with the latest in health, science and technology today.

In addition to its music and long-form public affairs programming, the Station will air regular daily features addressing such topics as local and national history; coming attractions, events, programs, and venues of significance in the listening area; community-based social, cultural, economic, and political affairs; and matters of public safety, health, and wellness. In partnership with local private and public educational institutions, many of the features made part of the regular programming will fit in the educational categories of S.T.E.A.M. (Science, Technology, Engineering, Arts and Math)

The Station will air regular daily news in the broad categories of international, national, state and local areas. Specialized news will include, but not be limited to, the categories of automotive, business, consumer affairs, entertainment, farm, finance, gaming, health, recreation, sports, tourism and weather.

The Station will develop, and air, job reports to include both local and regional trending data, and opportunities for employment and work. The jobs report plans are to develop an over-the-air and digital "Job Fair" to connect employers and prospective employees.

The Station will develop partnerships with local public health, and emergency management agencies and local law enforcement, to ensure that urgent and timely messages are delivered to citizens of the service area.

The Station will air public service announcements (PSA), for local charitable organizations, government agencies, schools and churches with information on community issues 7-days per week for the stations service area.

The Station will have over-the-air broadcast operations available to the public on a 24/7/365 basis.

EVIDENCE OF CURRENT CORPORATION STATUS

New(LP)
South Charleston, West Virginia
Channel 281LP100 (104.1 MHz)

West Virginia Secretary of State

Business Entity Details

Main

Name: HATFIELD-MCCOY BLUEGRASS CORPORATION			Organization Number: 540368	
Type: C	Sec Type:	City: CHARLESTON	Class: N	Ch Type: D
Eff Date: 8/23/2022	File Date: 8/23/2022	Term Date:	Term Reason:	AW/Term:
CH County: Kanawha	Ch State: WV	Bus Purp: 8134	Ex Acres:	Term Yrs:
Auth Shrs:	Cap Stck:	Status: Active	Par Val:	MGMT:

Addresses

Principal Office Address:	Name:	Addr1: 1114 BEECH AVE	Addr2:	City: CHARLESTON	State: WV	Zip: 25302
Local Office Address:	Name:	Addr1: 1114 BEECH AVE	Addr2:	City: CHARLESTON	State: WV	Zip: 25302
Notice of Process Address:	Name: HAZEL B. DAMRON	Addr1: 3087 MILL CREEK RD	Addr2:	City: FORT GAY	State: WV	Zip: 25514
Mailing Address:	Name:	Addr1: 1114 BEECH AVE	Addr2:	City: CHARLESTON	State: WV	Zip: 25302

Officers

Incorporator:	Name: HAZEL B. DAMRON	Addr1: PO BOX 410	Addr2:	City: FORT GAY	State: WV	Zip: 25514
President:	Name: LANCE LYKINS	Addr1: 1114 BEECH AVE	Addr2:	City: CHARLESTON	State: WV	Zip: 25302
Secretary:	Name: KANDICE HILL	Addr1: 1114 BEECH AVE	Addr2:	City: CHARLESTON	State: WV	Zip: 25302

Prior to their incorporation on August 23, 2022, Hatfield-McCoy Bluegrass Corporation was an unincorporated association, pursuant to Article 11, Chapter 36 of the West Virginia Code (W. Va. Code §36-11-15).

LPFM POINT FACTORS

New(LP)
South Charleston, West Virginia
Channel 281LP100 (104.1 MHz)

County of transmitting antenna	Market Name	Market Rank
Kanawha, West Virginia	Charleston, WV	197

The proposed facility will claim 5 points as set forth:

Established Community Presence – 1 point

Pursuant to §73.872(b)(1), this organization is claiming the Established Community Presence point on the basis that since August 23, 2022, the organization has been incorporated in West Virginia and has been located within 20 miles of the transmitting site. Immediately prior to that date, the organization has been operating as an unincorporated association, pursuant to W. Va. Code §36-11-15 and has been local since December 31, 2018. In a separate document, we provide a letter from an attorney licensed to practice law in West Virginia to further support the applicant's claim of an unincorporated association during the period from December 31, 2018 (more than two years prior to the snapshot date) and August 23, 2022.

Local Programming – 1 point

Applicant pledges to originate at least 8 hours of local programming, pursuant to Commission policies regarding the LPFM point system, pursuant to §73.872(b)(2).

Main Studio – 1 point

Applicant pledges to make available an accessible main studio, capable of program origination for a Applicant of 20 hours per week. Applicant claims the Main Studio point, pursuant to §73.872(b)(3).

Local Programming and Main Studio – 1 point

As both the Local Programming and Main Studio points are being claimed, the additional Local Programming and Main Studio "bonus" point is also claimed, pursuant to §73.872(b)(4).

Diversity of Ownership – 1 point

Applicant has no other attributable interests and therefore is eligible to claim the Diversity of Ownership point, pursuant to §73.872(b)(5) and Page 5 of the Second Window Notice.

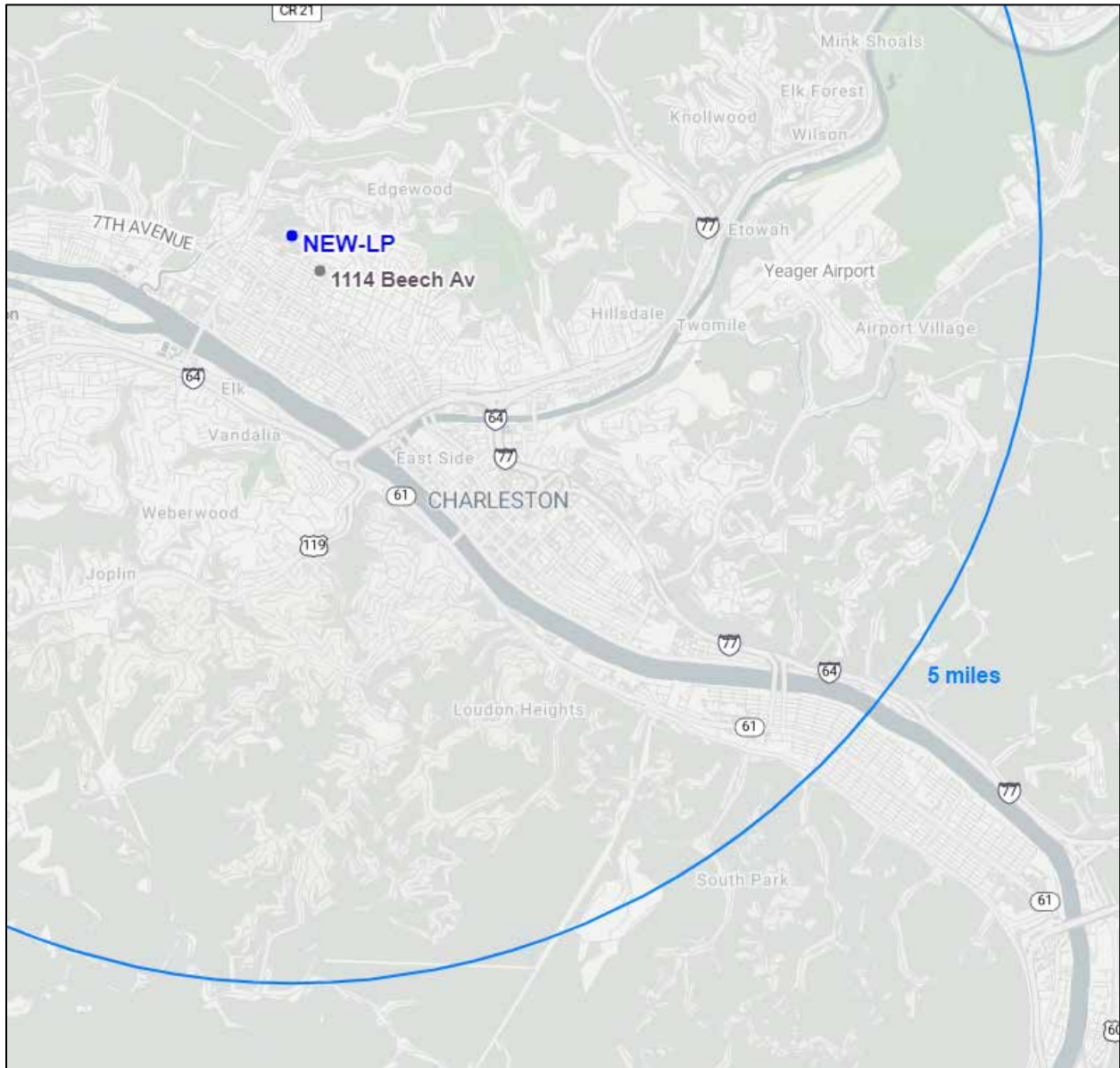
Prepared by,

/S/
Michelle Bradley, CBT
REC Networks

December 6, 2023

LOCALISM

New(LP)
South Charleston, West Virginia
Channel 281LP100 (104.1 MHz)



The headquarters, main studio and both board members reside at 1114 Beech Av., Charleston, WV. This location is within 20 miles of the proposed transmitting antenna.