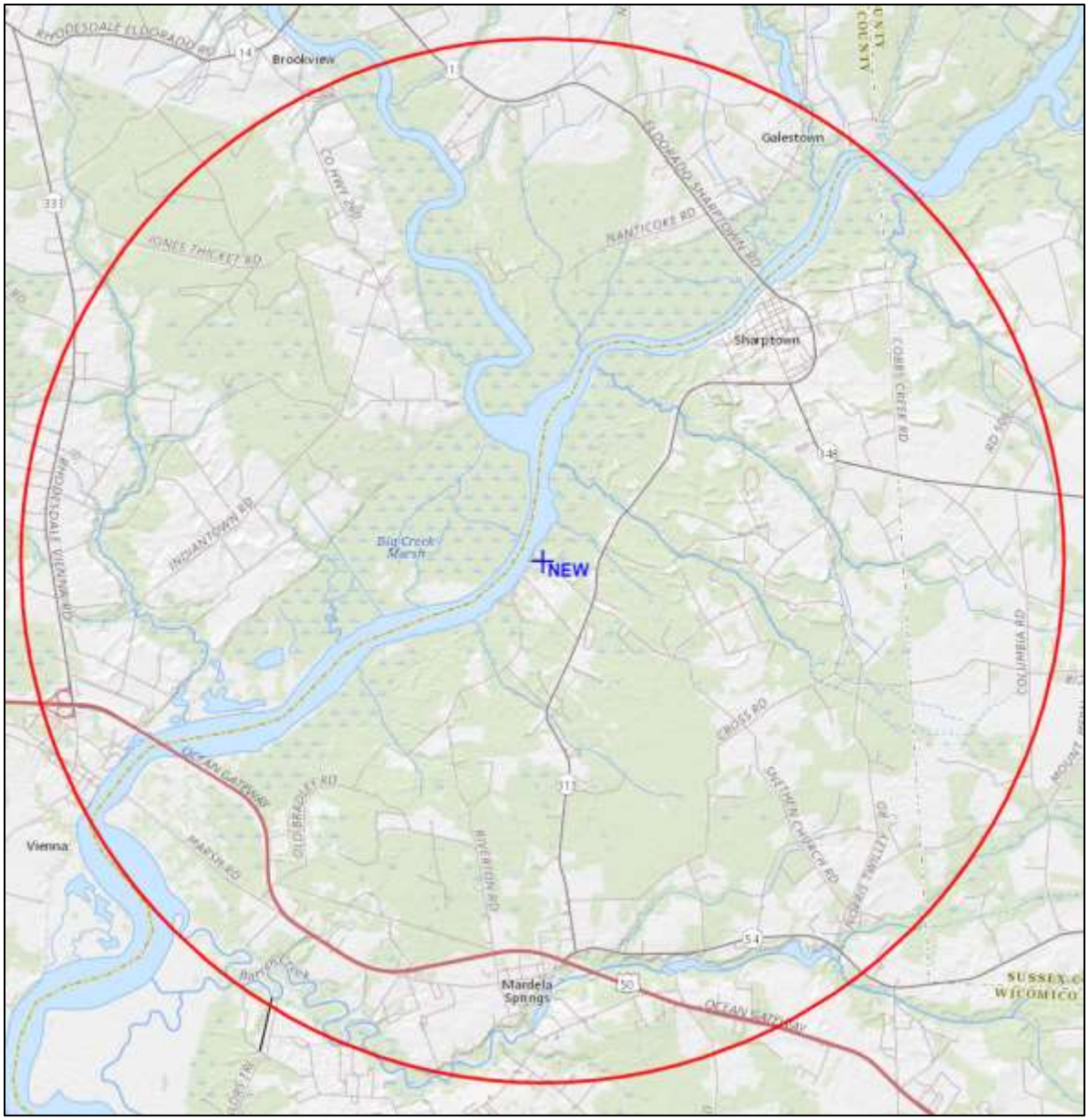
REC Networks/Michelle Bradley, CBT
11541 Riverton Wharf Rd.
Mardela Springs, MD 21837
844.REC.LPFM/202.621.2355
recnet.com

Original Construction Permit
SHARPTOWN, MD
RIVERTON RADIO PROJECT ASSOCIATION

PROPOSED 60dBu F(50,50) SERVICE CONTOUR

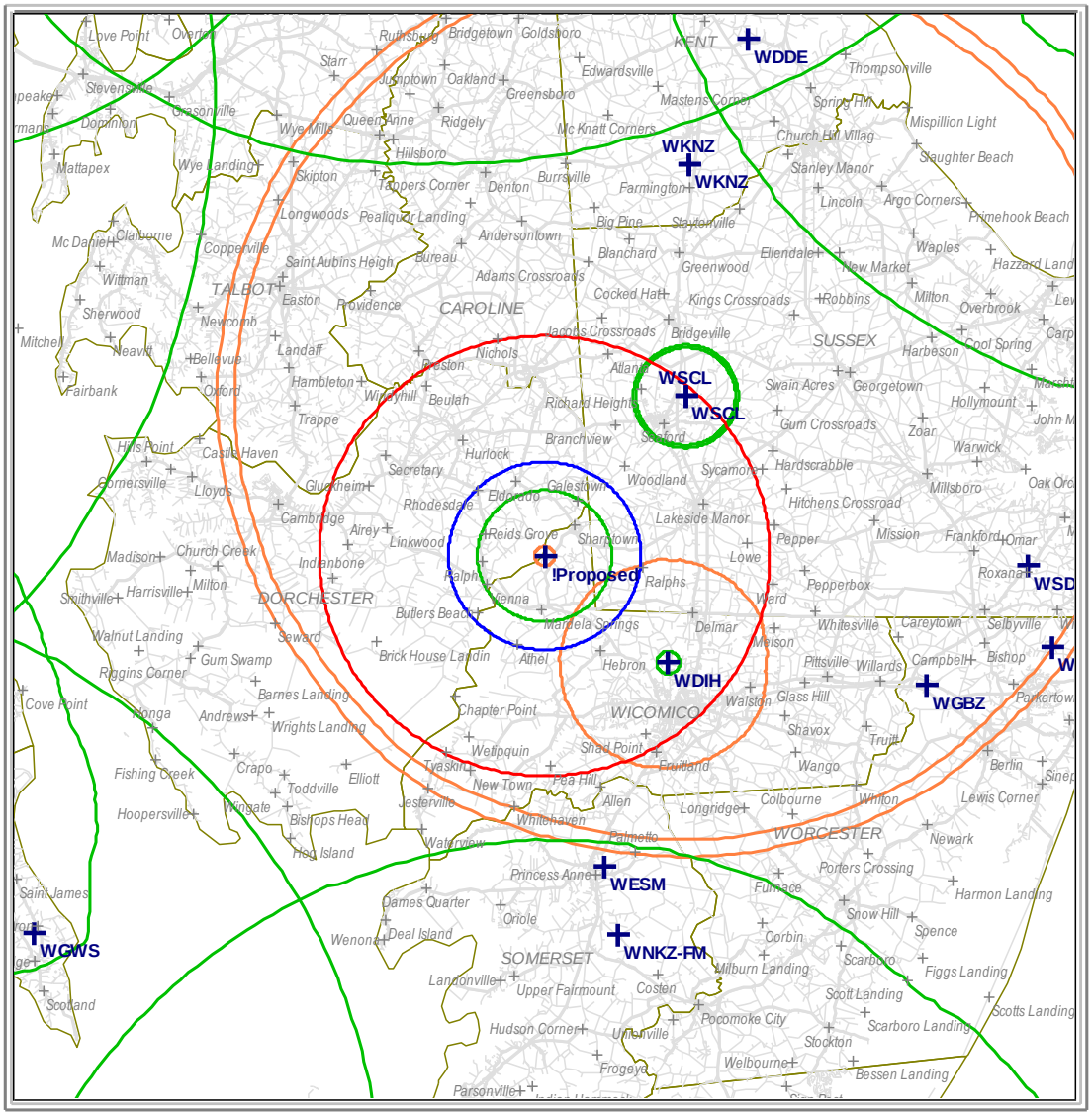


SHARPTOWN, MD – Channel 210A (89.9 MHz) ~ ERP 0.250 kW
Elev: 2 meters ~ RCAGL: 15 meters ~ RCAMSL: 17 meters ~ HAAT: 11m
Overall tower height: 16 meters – ASR: None: no nearby airports
NAD83 Latitude: 38° 30’ 41.4” NL – Longitude: 75° 45’ 14.9” WL
NAD27 Latitude: 38° 30’ 41.0” NL – Longitude: 75° 45’ 16.0” WL
SEE ALSO WAIVER REQUEST DOCUMENT

ComStudy 2.2 search of channel 210 (89.9 MHz Class A) at 38-30-41.0 N, 75-45-16.0 W.

CALL	CITY	ST	CHN	CL	DIST	SEP	BRNG	CLEARANCE
WSCL	SALISBURY	MD	208	B	22.78	69.00	40.7	-16.85 dB
* SEE WAIVER REQUEST								
WSCL	SALISBURY	MD	208	B	22.78	69.00	40.7	-15.95 dB
* SEE WAIVER REQUEST								
WDIH	SALISBURY	MD	212	A	17.43	31.00	131.4	6.61 dB
WHRX	NASSAWADOX	VA	211	B	92.62	113.00	178.5	6.28 dB
WJPH	WOODBINE	NJ	210	A	115.81	115.00	42.1	7.66 dB
WOEL-FM	ELKTON	MD	210	A	120.45	115.00	355.6	8.71 dB
WXTR	TAPPAHANNOCK	VA	210	A	110.73	115.00	230.5	8.84 dB
WCSP-FM	WASHINGTON	DC	211	B	125.11	113.00	293.4	10.77 dB
WJPH	WOODBINE	NJ	210	A	115.81	115.00	42.1	15.45 dB
WTMD	TOWSON	MD	209	B1	123.31	96.00	323.7	17.40 dB
WXMD	CALIFORNIA	MD	209	B1	78.24	96.00	256.9	18.28 dB
WPIR	CULPEPER	VA	210	B	178.16	178.00	276.6	18.97 dB
WHRJ	GLOUCESTER COURTHOUS	VA	210	A	140.73	115.00	209.8	19.33 dB
WRVS-FM	ELIZABETH CITY	NC	210	C2	250.73	166.00	189.4	21.79 dB
WRTI	PHILADELPHIA	PA	211	B	175.66	113.00	14.5	24.75 dB
WKHS	WORTON	MD	213	B1	90.37	48.00	341.4	26.52 dB
WPFW	WASHINGTON	DC	207	B	125.55	69.00	292.6	27.80 dB
WRIQ	CHARLES CITY	VA	209	B	179.71	113.00	233.0	30.82 dB
WNJM	MANAHAWKIN	NJ	210	A	186.09	115.00	44.3	32.73 dB
WMTB-FM	EMMITSBURG	MD	210	A	190.16	115.00	313.8	33.24 dB
WGLS-FM	GLASSBORO	NJ	209	A	137.16	72.00	16.5	34.16 dB
WPER	FREDERICKSBURG	VA	213	B	154.03	69.00	247.3	34.41 dB
WNJZ	CAPE MAY COURT HOUSE	NJ	212	A	105.79	31.00	51.1	35.99 dB
WNJN-FM	ATLANTIC CITY	NJ	209	A	140.36	72.00	40.9	37.98 dB

§73.509 Contour Protection (see waiver request re: WSCL)



Green: inward protection, Outward: Red (co-chan), Blue (first-adj), Orange (2nd/3rd-adj)

Map Scale: 1:631768 1 cm = 6.32 km V|H Size: 117.02 x 111.75 km

SEE WAIVER REQUEST REGARDING OVERLAP WITH WSCL.

TV CHANNEL 6 PROTECTION STUDY

NEW(FM) – Sharptown, Maryland
Channel 210A – 89.9 MHz

As the proposed facility is within the 196 kilometer radius of TV Channel 6 station WPVI, Philadelphia, Pennsylvania, pursuant to §73.525(a) of the Commission's Rules, we must evaluate the protection that the proposed facility will provide to WPVI. There are no other TV Channel 6 stations within 196 kilometers of the proposed facility.

We will evaluate WPVI based on the following facility licensed on BLCDT-20111019ACJ:

Latitude (NAD83);	40-02-33.0 N
Longitude (NAD83):	75-14-32.0 W
ERP:	37 kW
RCAMSL:	394.7 m
Antenna:	Nondirectional

WPVI places a 24.7 dBu service contour at the proposed site.

We will also evaluate a pending modification application 0000035671 (which has also been granted in the form of an STA 0000034890):

Latitude (NAD83):	40-02-39.0 N
Longitude (NAD83):	75-14-25.0 W
ERP:	56 kW
RCAMSL:	404.0 m
Antenna:	Nondirectional

WPVI places a 27.2 dBu service contour at the proposed site.

In accordance with the charts in §73.599, proposed NCE stations located outside of the 47 dBu service contour of a Channel 6 station must provide a 20.25 dB undesired to desired (U/D) ratio, which would mean that in order for there to be a showing of no interference, the 67.25 dBu interfering contour of the proposed NCE station may not overlap the 47 dBu service contour of the protected Channel 6 TV station.

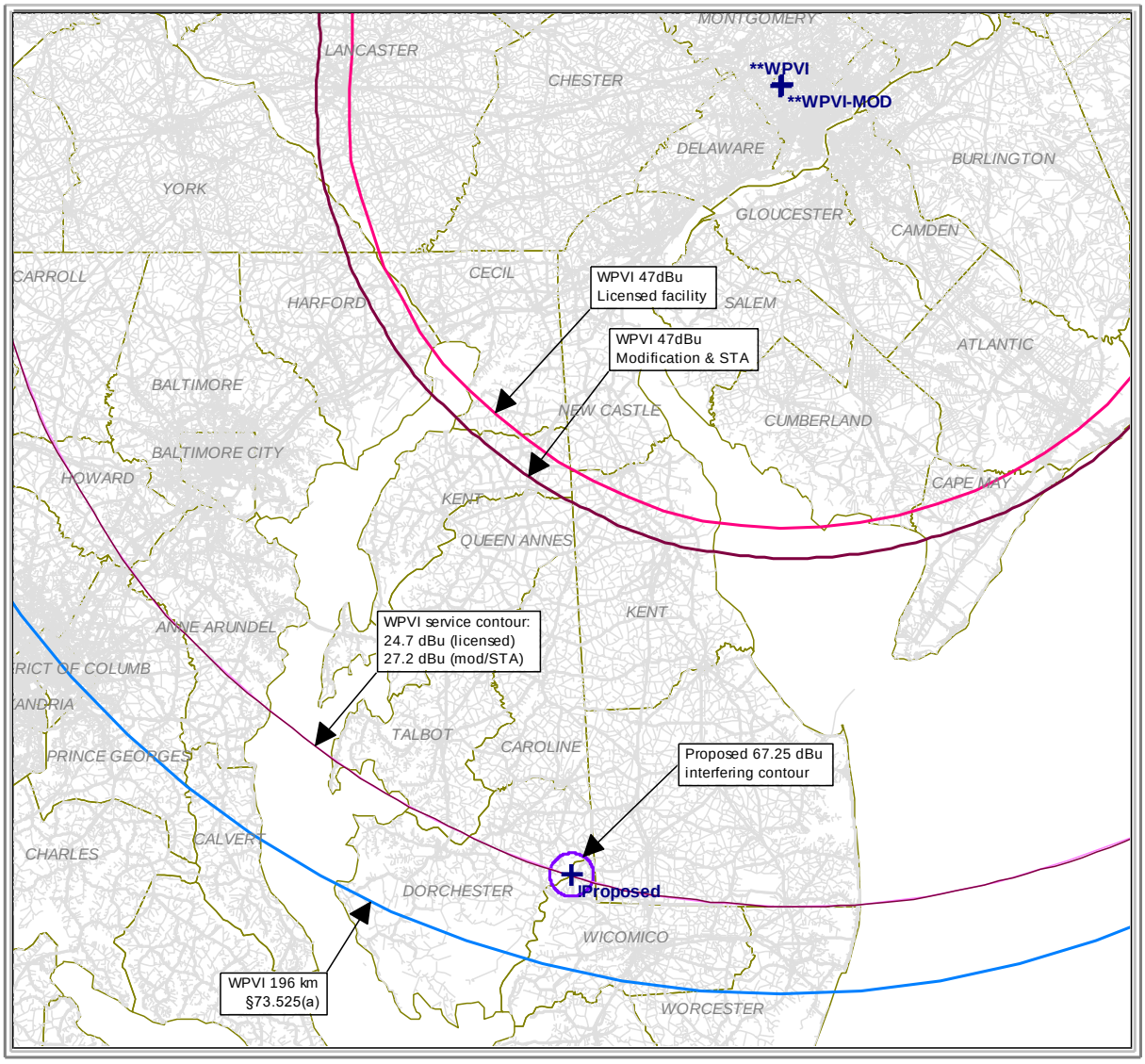
In the instant case, the proposed facility's 67.25 dBu interfering contour is very well distant from the 47 dBu contour of both the licensed and the proposed/STA facilities of WPVI. Therefore, it can be demonstrated that the proposed facility satisfies the requirements of §73.525.

Prepared by,

/S/
Michelle Bradley, CBT
REC Networks

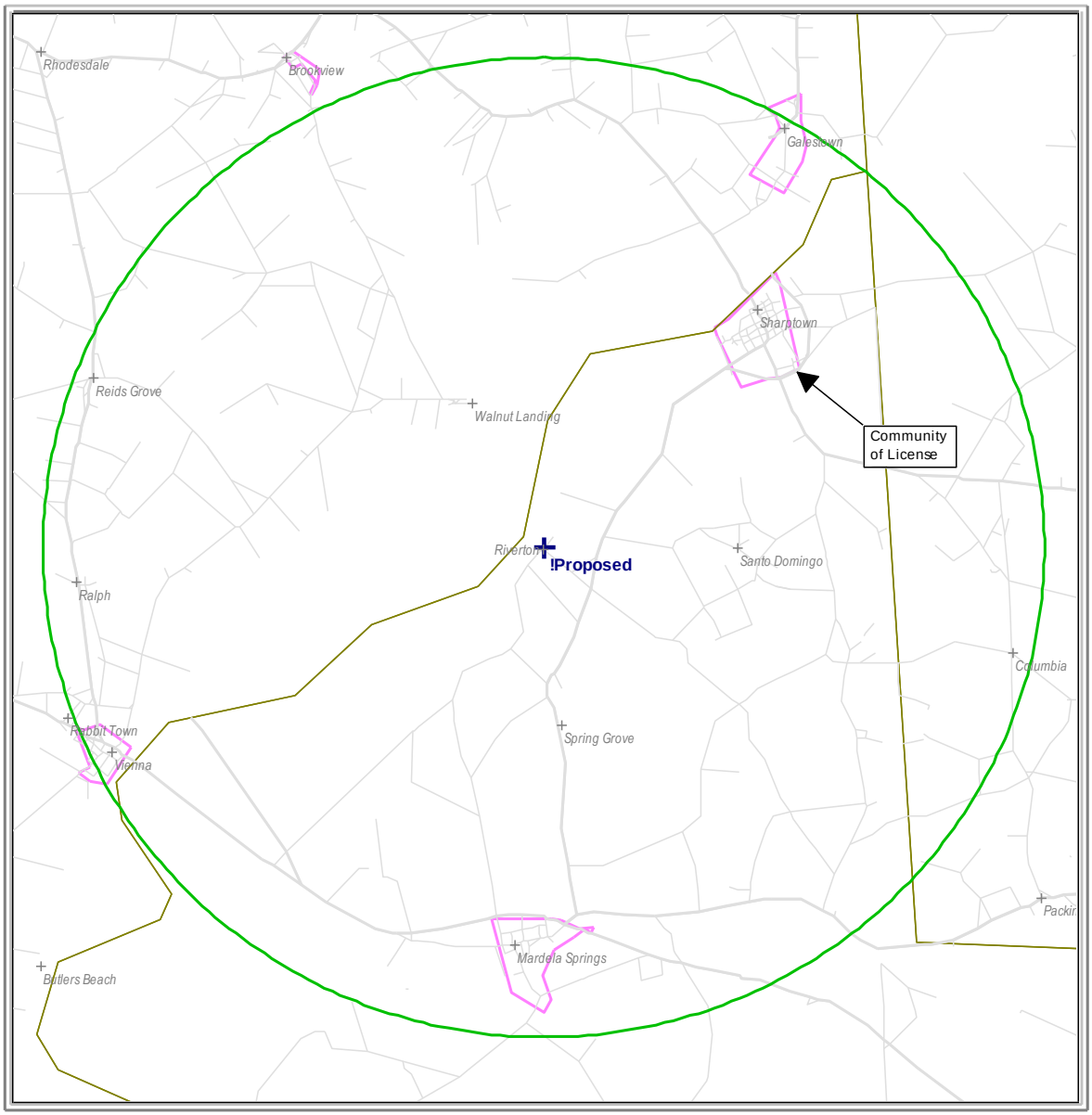
August 12, 2012

Channel 6 Protection



NEW-FM, Sharptown, MD vs. WPVI (LIC/CP-STA)

§73.515 Community of License Coverage



Map Scale: 1:78971 1 cm = 0.79 km V|H Size: 15.64 x 14.93 km

POPULATION AND LAND AREA STUDY

NEW(FM) – Sharptown, Maryland
Channel 210A – 89.9 MHz

PROPOSED FACILITY IS **NOT** SEEKING §307(b) PRIORITY

2010 Census Block Centroid data for target facility:
Population: 3817 persons
Land Area: 150.40 square kilometers

Facilities considered:

WSCL - File No. 0000113614
Overlapping population: 3817 persons
Overlapping land area: 150.40 square kilometers.

WESM - File No. BLED-19870303KC
Overlapping population: 3817 persons
Overlapping land area: 150.40 square kilometers.

WGBZ - File No. BLED-20100625AZD
Overlapping population: 3817 persons
Overlapping land area: 150.40 square kilometers.

WKNZ - File No. BLED-20101213AAS
Overlapping population: 0 persons
Overlapping land area: 0.00 square kilometers.

WDIH - File No. BLED-19900717KC
Overlapping population: 15 persons
Overlapping land area: 1.51 square kilometers.

WSDL - File No. BLED-20020117AAJ
Overlapping population: 0 persons
Overlapping land area: 0.00 square kilometers.

First Educational Service:
Population: 0 persons
Land area: 0.00 square kilometers

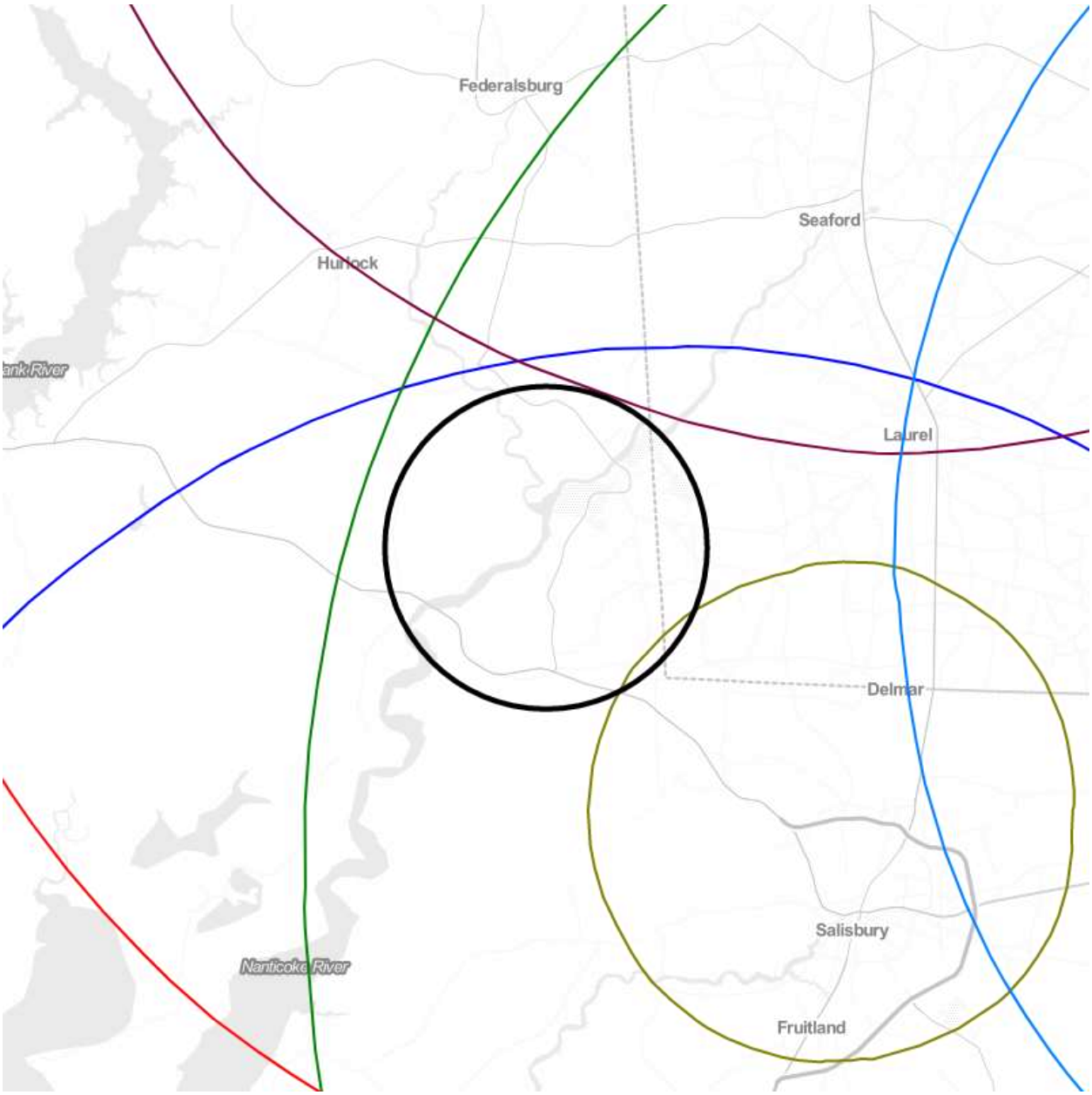
Second Educational Service:
Population: 0 persons
Land area: 0.00 square kilometers

At Least Third Educational Service:
Population: 3817 persons
Land area: 150.40 square kilometers

GLOBE30 terrain data and 2010 Census Block centroid data utilized.

OTHER EDUCATIONAL SERVICES

NEW(FM) – Sharptown, Maryland
Channel 210A – 89.9 MHz



WSCL WESM WGBZ WKNZ WDIH WSDL

RIVERTON RADIO PROJECT ASSOCIATION
EDUCATIONAL STATEMENT

NEW(FM) – Sharptown, Maryland
Channel 210A – 89.9 MHz

In accordance with Section 397(6) of the Communications Act.[1]

Localism and diversity. Proposed station located in Wicomico County, Maryland, which is in the Salisbury/Ocean City, MD/DE metro market. This market is ranked by Nielsen Audio at 134. RRPA's board members and headquarters are both within 20 miles of the proposed transmitter site. RRPA has no other attributable broadcast interests.

State corporate status. Riverton Radio Project Association (RRPA) is a Delaware non-stock, not-for-profit corporation established on May 30, 2017. RRPA was founded as a community media educational organization with a mission to educate, inform and support the various communities on the Delmarva peninsula of Maryland, Delaware and Virginia through the use of modern media.

Local presence. During its community presence since May 30, 2017, RRPA has operated from Riverton, Maryland and has provided educational and informative content through its website at delmarvafm.org. This content consisted of written articles and an internet audio stream.

Educational purpose. RRPA proposes to use the station to extend our current online educational media to radio and educate the communities of Riverton, Sharptown, Mardela Springs, Galestown and Vienna, Maryland[2] through educational and informative noncommercial programming. The type of educational instructional and informative programming will include:

- Science and technology including the advancement of the radio art,
- World events and exposure to different world cultures,
- Educational programming related to conservation and sustainability,
- American history and current events,
- Educational programming on better nutrition and health,
- Language instruction and
- Education and exposure to world culture through music.

[1] 47 U.S.C. §397(6).

[2] There are currently no other broadcast facilities, either commercial nor noncommercial licensed to Riverton, Sharptown, Mardela Springs, Galestown nor Vienna, Maryland.

Sample programming. RRPA is currently carrying the educational programming it plans to broadcast on the proposed station on the RRPA's internet radio station. Programs include:

The Children's Hour
A weekly program that reaches children and their families that focuses on STEM (Science, Technology, Engineering and Math), civics, culture education and performance. The show features educational programming that is enlightening and entertaining.

Confetti Park
Children's music and stories. Sparkling interviews, in-studio performances, music medleys, kids jokes, story time and a little surprise to make for an entertaining and educational show for early learners.

Planetary Radio
Hosted by Mat Kaplan, the show features scientists, engineers, project managers and astronauts with a unique and exciting perspective on the exploration of our solar system as well as features that will increase your "space IQ".

Exploration
Hosted by Michio Kaku, professor of theoretical physics at City University New York, the show touches on various subjects including black holes, search for extra-terrestrial life, dark matter and dark energy, the future of space travel, genetic engineering the aging process and the future of medicine.

Point Puzzle
A 5-minute weekly feature that challenges listeners with word and logic puzzles.

Easy Japanese
A weekly program that teaches the Japanese language, essential phrases and information on Japanese cultural norms.

This Week In Amateur Radio
A weekly newsmagazine program that includes features on science, technology, the radio art and astronomy including instruction on STEM theories and ideas for activities to use that knowledge.

Labor History in 2
A daily history lesson about events that took place in the United States regarding labor.

The Thomas Jefferson Hour
An educational program that links the history of our Founding Fathers with current events.

Program Schedule. RRPA has actively operated an established internet radio station that airs these educational programs as well as other programs. Most of the internet radio schedule would become the program schedule for the proposed station. See separate program grid for our current online programming offering that we plan to present (with modifications to accommodate new local programming) on the FM station.

Other educational, informative, historical and entertaining programming would air at other times.

Local programming. RRPA plans local programming originated to address the various issues that would affect Riverton, Sharptown, Mardela Springs, Galestown and Vienna, Maryland. RRPA already owns and operates a compliant Emergency Alert System for the area which is currently used to post emergency alert information to the above mentioned websites and to Twitter (at @demarvaEAS). RRPA has already participated in past EAS national periodic tests as a non-broadcast participant.

A copy of RRPA's articles of incorporation and evidence of state filing is included in this filing.

DIVERSITY OF OWNERSHIP AND ATTRIBUTABLE INTERESTS

NEW(FM) – Sharptown, Maryland
Channel 210A – 89.9 MHz

Riverton Radio Project Association is a new entrant to broadcasting and therefore it, and any parties to this application have no broadcast holdings, including non-fill-in translators which overlap the principal community contour of the instant application, nor for that matter, anywhere else in the United States.

LOCAL PUBLIC NOTICE

NEW(FM) – Sharptown, Maryland
Channel 210A – 89.9 MHz

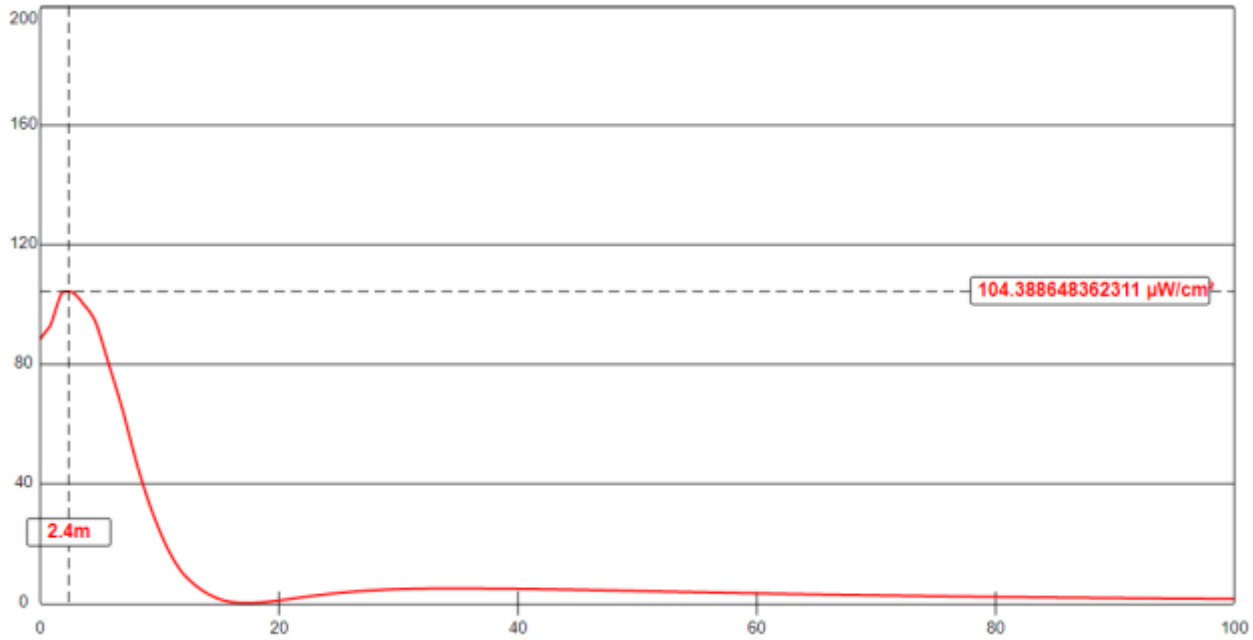
Pursuant to §73.3580 of the Commission's Rules, local public notice will be delivered through our established public website: https://delmarvafm.org.

SITE ASSURANCE INFORMATION

Robert Bradley
Site Owner
443 783-0709

NEPA COMPLIANCE

NEW(FM) – Sharptown, Maryland
Channel 210A – 89.9 MHz



The instant application is proposed for 250 watts vertical and 250 watts horizontal. Using the Commission's FM MODEL software and utilizing a two-bay antenna at full wavelength spacing and based on a height of 12 meters (which takes into consideration the nearby structures), it has been determined that the power density would be no greater than 104.4 µW/cm² at any point, which would exceed the general population/controlled exposure guideline of 200 µW/cm².

In the instant application, the applicant is certifying that the RF exposure in all occupied areas is well within the guidelines of in accordance with OET Bulletin No. 65, Edition 97-01, August 1997.

Report prepared by:

Michelle Bradley, CBT
REC Networks

August 12, 2021