

CONTOUR OVERLAP REQUIREMENTS

The proposed facility provides the requisite contour protection to co-channel and adjacent channel stations as required by 47 CFR §73.509 using the standards set forth therein. An initial search of all relevant co-channel and adjacent-channel stations was performed. A tabulation of possibly-affected stations follows, with each entry showing a clearance margin, expressed in decibels, between the relevant protected and interfering contours of the proposed facility with respect to the protected and interfering contours of the incumbent station, with negative values indicating prohibited overlap exists:

Callsign	State	City	Freq (MHz)	Chan. #	ERP (W)	Class	Status	Dist (km)	Clear (dB)
WWNJ	NJ	DOVER TOWNSHIP	91.1	216	50000	B	LIC	93.73	0.00 dB
WESM	MD	PRINCESS ANNE	91.3	217	45000	B	LIC	146.47	0.00 dB
WDBK	NJ	BLACKWOOD	91.5	218	100	A	LIC	56.44	0.09 dB
WTSR	NJ	TRENTON	91.3	217	1500	A	LIC	105.57	0.14 dB
WVUD	DE	NEWARK	91.3	217	1000	A	LIC	94.13	-0.96 dB
WLFR	NJ	POMONA	91.7	219	900	A	LIC	26.63	-7.50 dB
WLFR	NJ	POMONA	91.7	219	820	A	CP	26.46	-7.63 dB
990728MC	DE	CAMDEN	91.1	216	4200	A	APP	66.4	4.15 dB

Stations with a clearance ratio in excess of 6 dB were excluded from the tabulation in the interest of brevity.

As shown above, with the exception of the three facilities, WVUD, WLFR-licensed, and WLFR-CP, there is no prohibited overlap between the proposed facility and the incumbent station. Those three stations represent cases of existing, grandfathered overlap, each of which will be analyzed in detail in the sections that follow. Of the remaining facilities in the tabulation above, those with clearance margins of 1 dB or less were analyzed in further detail via contour plots to clearly demonstrate lack of prohibited contour overlap.

WWNJ

WWNJ operates on first-adjacent channel 216 with respect to WRTQ. As shown in the included contour plots, the 54 dBu interfering contour from WWNJ approaches, but does not overlap, the 60 dBu contour of the proposed facility. The WRTQ 54 dB interfering contour is well-distanced from the 60 dBu protected contour of WWNJ.

WESM

Class B facility WESM operates on the same channel as WRTQ. As shown in the contour plots that follow, the 40 dBu interfering contour from WESM approaches the 60 dBu protected contour of WRTQ, but does not overlap. An additional magnified-view of this lack of overlap is also included as a separate plot. The 40 dBu interfering contour from WRTQ falls well short of approaching the WESM 60 dBu protected contour.

WDBK

As is shown in the included plot, the protected 60 dBu and interfering 54 dBu contours of the proposed facility do not overlap the respective contours of first-adjacent station WDBK, channel 218.

WTSR

Prohibited contour overlap with co-channel facility WTSR is avoided as shown in the attached contour plot of the 60 dBu service contours and 40 dBu interfering contours of both facilities.

WVUD

Co-channel station WVUD presently receives interference within its 60 dBu protected contour from WRTQ's 40 dBu interfering contour. The majority of this interference area falls mostly over water, specifically the Delaware River. The proposed facility's 40 dBu interfering contour does not extend beyond that of the licensed facility's 40 dBu interfering contour along azimuths in the direction of WVUD as shown in the included magnified-view plot. As such, the interference area with respect to WVUD is not increased, therefore the instant application complies with 47 CFR §73.509(d)(1) with respect to this facility.

WLFR and WLFR-CP

Both the licensed facility and construction permit for WLFR specify operation on second-adjacent channel 219. As second-adjacent facilities, the proposed WRTQ facility's 100 dBu interfering contour is prohibited from overlapping WLFR's 60 dBu protected contours, and in fact, it does not as is shown in the contour plots that follow. However, both the WLFR licensed and proposed facilities' 100 dBu interfering contours are wholly contained within the

proposed WRTQ 60 dBu service contour. Such is also the case for the presently-licensed WRTQ facility. As such, there is no net change in the interference area, therefore the instant application complies with 47 CFR §73.509(d)(1).

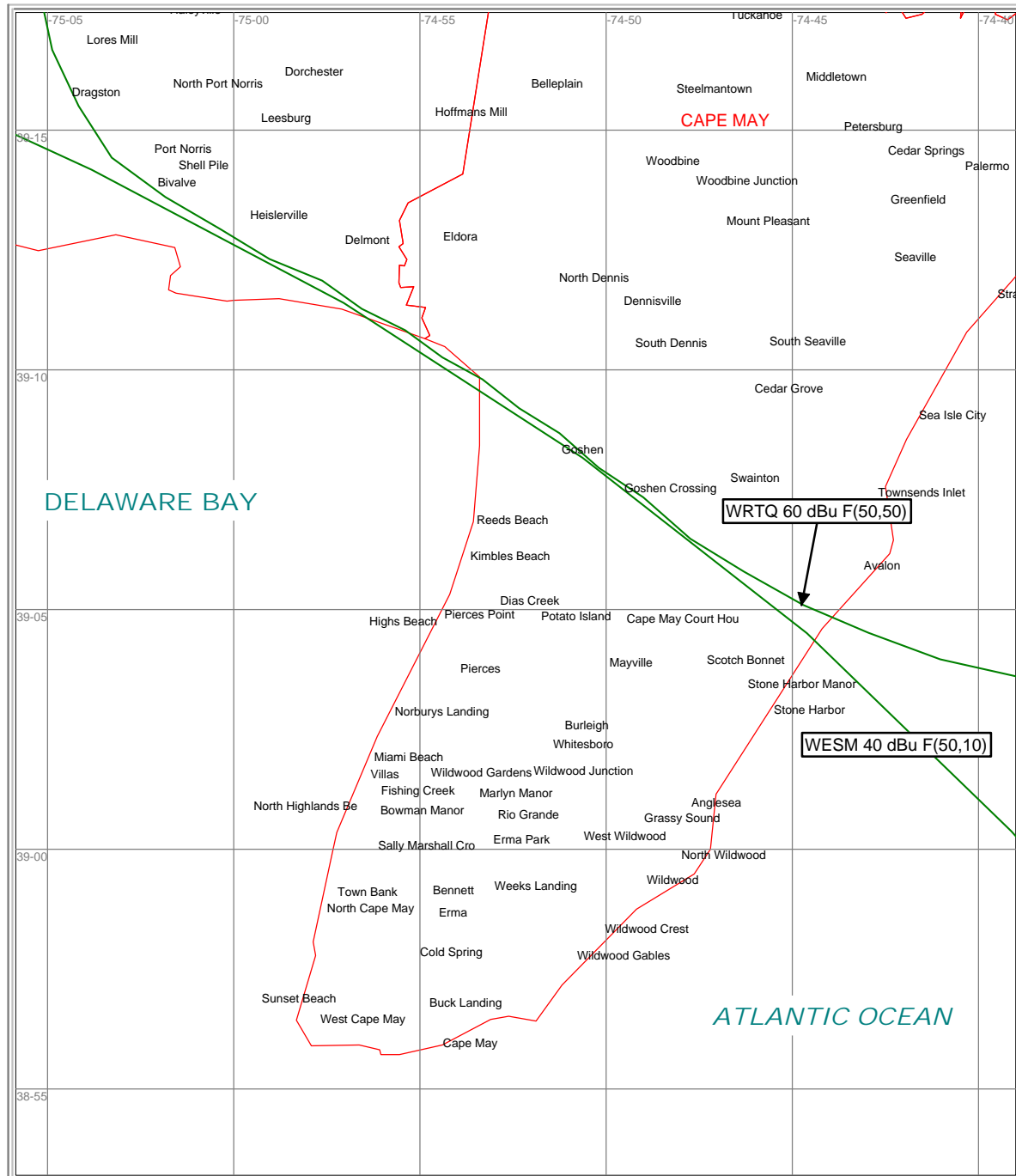
Based on the analyses contained herein, the proposed facility fully complies with 47 CFR §73.509 with respect to prohibited contour overlap to all existing facilities, applications, and construction permits.

The map displays the coastal region of New York and New Jersey. Major water bodies include the Atlantic Ocean to the east, Long Island Sound to the south, and the Hudson River to the west. The map shows a dense network of cities and towns, with New York City and its surrounding areas being the most prominent. Major highways are shown as orange lines, and the coastline is marked with a red line. The map is labeled with 'ATLANTIC' and 'OCEAN' in red text. A scale bar at the bottom indicates distances in miles and kilometers.

Proposed vs WESM



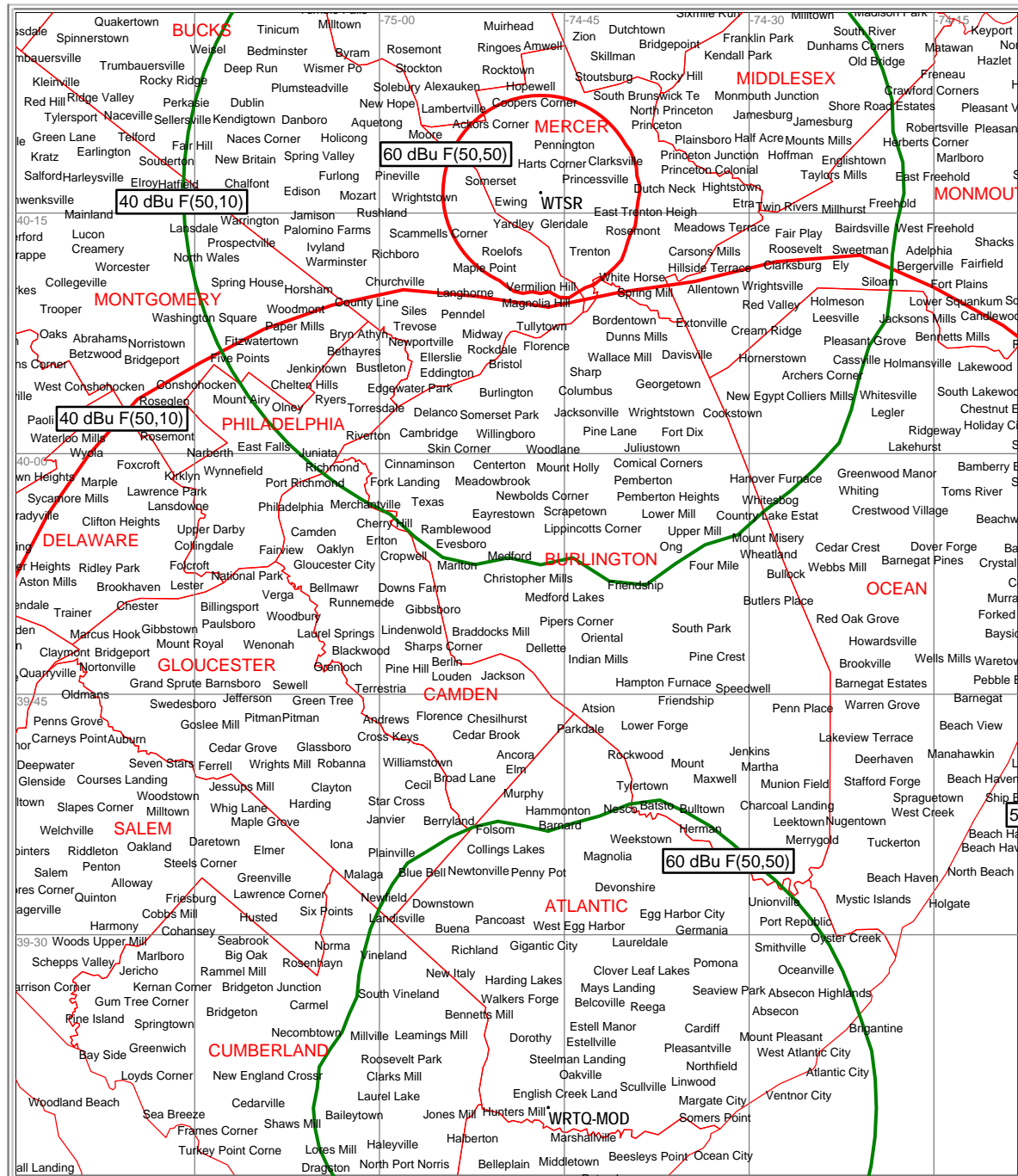
Proposed vs WESM - Magnified View



Proposed vs WDBK



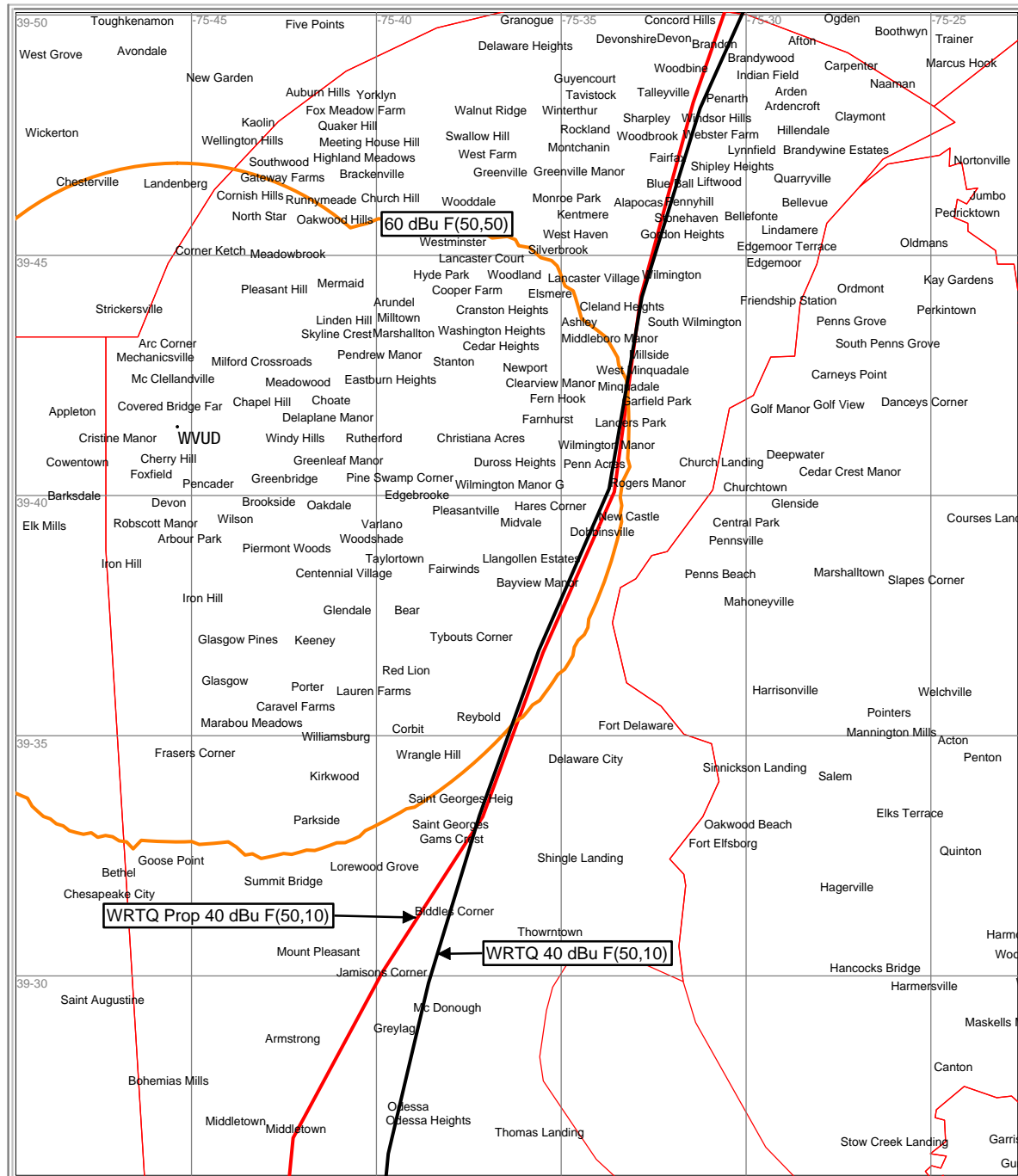
Proposed vs WTSR



WRTQ Proposed and Licensed vs WVUD



WRTQ Proposed and Licensed vs WVUD - Magnified View



Proposed vs WLFR (Licensed) and WLFR (Construction Permit)

