

ATTACHMENT 5

ENVIRONMENTAL ASSESSMENT STATEMENT

I. PHYSICAL IMPACT

A. WATER FLOW AND QUALITY

The tower site is at a high point relative to surrounding terrain. To the west of the project location is a headwater wetland which is off-site and approximately 138' west/southwest from the proposed tower compound and access drive. The lease area and proposed areas of disturbance are located within an otherwise active commercial and cleared area of the parcel. No direct impact to any wetlands or watercourses are anticipated as a result of the tower site construction. The overall amount of impervious surface is low in comparison to other development and storm water will be managed with Best Management Practices to be implemented during construction. (Connecticut Department of Energy and Environmental Protection [CTDEEP] Sedimentation and Erosion Control manual 2002 and the Connecticut Department of Transportation [ConnDOT] Drainage Manual.)

B. AIR QUALITY

Under ordinary operating conditions, the equipment that would be used at the proposed facility would emit no air pollutants of any kind. An emergency diesel fuel generator with secondary containment systems will comply with Connecticut Department air standards for such facilities.

C. LAND

No tree removal is necessary. Modest clearing, grading and cut and fill will be required for the facility access driveway. The remaining land of the lessor would remain undisturbed by the construction and operation of the facility.

D. NOISE

The equipment to be in operation at the facility would not emit noise other than that provided by the operation of the installed heating, air-conditioning and ventilation system. Some construction related noise would be anticipated during facility construction, which is expected to take approximately four to six weeks. Temporary power outages could involve sound from the emergency generator.

E. POWER DENSITY

The cumulative worst-case calculation of power density from operations at the facility would be 4.88% of the MPE standards. A copy of a Power Density Report for the facility is included in Attachment 7.

F. VISIBILITY

The Visibility Analysis included in Attachment 8 evaluates the anticipated potential visual impact of the proposed monopole, photographs of existing views and simulations of the proposed facility. Potential visibility was assessed within an approximately one (1) mile radius using a computer-based, predictive view shed model that was field verified. Areas from where the proposed Facility would be visible above the tree canopy year-round comprise a total of approximately 858+/- acres, with 670 of those acres being over open water or tidal marsh areas. When leaves are off

the trees, seasonal views through intervening tree trunks and branches are anticipated to occur over ±984 additional acres within the study area. The proposed Facility will be located approximately 1.49 miles from Tweed Airport in New Haven. The FAA will require that the proposed tower structure be marked/lighted in accordance with all applicable FAA guidelines. No schools or licensed child day care centers are located within 250' of the site. Some views of the facility from the Short Beach Trail are also noted in the report.

II. SCENIC, NATURAL, HISTORIC & RECREATIONAL VALUES

The Connecticut State Historic Preservation Officer ("SHPO") issued a determination of no adverse effect on historic resources by letter dated January 13, 2015. The Connecticut Department of Energy and Environmental Protection ("CTDEEP") was also contacted given the location of the host parcel within an NDDB designated area. By letter dated December 1, 2014 DEEP indicated that it anticipates no impacts to state-listed species resulting from development of the Facility. The site was also evaluated in accordance with the FCC's regulations implementing the National Environmental Policy Act of 1969 ("NEPA") and there are no known impacts to federally recognized environmental resources.