



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

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VIA ELECTRONIC MAIL

June 28, 2018

Paul F. Sagristano  
Cherundolo Consulting  
4 Davis Road West, Suite 5  
Old Lyme, CT 06371

RE: **EM-SPRINT-003-180504** – Sprint Spectrum Realty Company, L.P. notice of intent to modify an existing telecommunications facility located at 20 Seles Road, Ashford, Connecticut.

Dear Mr. Sagristano:

The Connecticut Siting Council (Council) is in receipt of your email correspondence of June 27, 2018 submitted in response to the Council's May 16, 2018 notification of an incomplete request for exempt modification with regard to the above-referenced matter.

The Structural Analysis submitted lacks an engineer's stamp and signature. Also, the Council's May 16, 2018 (see attached) notification recommended that Cherundolo Consulting provide an updated Radio Frequency Emissions Analysis (RF) Report.

The Council recommends Cherundolo Consulting provide the corrected Structural Analysis with an engineer's stamp and signature and an RF Report with correct antenna height on or before July 27, 2018. If additional time is needed to gather the requested information, please submit a written request for an extension of time prior to July 27, 2018.

This second notice of incompleteness shall have the effect of tolling the Federal Communications Commission (FCC) 60-day timeframe in accordance with Paragraph 217 of the FCC Wireless Infrastructure Report and Order issued on October 21, 2014 (FCC 14-153).

Thank you for your attention to this matter. Should you have any questions, please feel free to contact me at 860-827-2951.

Sincerely,

Melanie A. Bachman  
Executive Director

MB/FC

Enclosure





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May 16, 2018

Paul F. Sagristano  
Cherundolo Consulting  
1280 Route 46 West, Suite 9  
Parsippany, NJ 07054

RE: **EM-SPRINT-003-180504** – Sprint Spectrum Realty Company, L.P. notice of intent to modify an existing telecommunications facility located at 20 Seles Road, Ashford, Connecticut.

Dear Mr. Sagristano:

The Connecticut Siting Council (Council) received a notice of intent to modify the above-referenced facility on May 4, 2018.

According to Section 16-50j-71 of the Regulations of Connecticut State Agencies, "...any modification, as defined in Section 16-50j-2a of the Regulations of Connecticut State Agencies, to an existing tower site, except as specified in Sections 16-50j-72 and 16-50j-88 of the Regulations of Connecticut State Agencies, may have a substantial adverse environmental effect."

Staff has reviewed this exempt modification request for completeness and has identified a discrepancy between the antenna height of 180 feet listed in the Structural Analysis (SA) Report and Radio Frequency Emissions Analysis (RF) Report compared to 170 feet stated in the transmittal letter and construction drawings (CD) Sheet numbers A-2 and A-4 [Sprint's existing position on the tower is at 170 feet]. Therefore, the exempt modification request is incomplete at this time.

The Council recommends that Cherundolo Consulting provide the requisite documents, either updated SA and RF reports or corrected transmittal letter and CD, for consistency purposes on or before June 15, 2018. If additional time is needed to gather the requested information, please submit a written request for an extension of time prior to June 15, 2018.

This notice of incompleteness shall have the effect of tolling the Federal Communications Commission (FCC) 60-day timeframe in accordance with Paragraph 217 of the FCC Wireless Infrastructure Report and Order issued on October 21, 2014 (FCC 14-153).

Thank you for your attention to this matter. Should you have any questions, please feel free to contact me at 860-827-2951.

Very truly yours,

Melanie Bachman  
Executive Director

MAB/FC

c: The Honorable Michael J. Zambo, First Selectman, Town of Ashford  
Michael Gardner, Zoning Enforcement Officer, Town of Ashford  
Cordless Data Transfer, Inc., Tower owner  
Raymond and Kathleen Baker, property owners

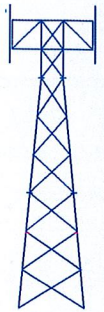




## FRED A. NUDD CORPORATION

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Mark LeGault  
Cordless Data Transfer, Inc.  
600 Old Hartford Road  
Colchester, CT 06415  
May 27, 2018

Nudd Job Number: 117-23243.3

Site Location: 20 Seles Road, Ashford, CT 06258, Windham County (Lat. & Long. = 41-51-48, -72-10-57)

Subject: Structural Analysis of an existing 190 ft Guyed Tower

Fred A. Nudd Corporation has completed a three-dimensional, finite element model structural analysis of the above noted guyed tower. This tower was analyzed considered appurtenance loads noted in the appurtenance loading table on the following page. The design loading criteria and strength design are per the ANSI/TIA-222-G standard, which is the recommended design standard per the 2012 International Building Code (Sec. 1609 & 3108), , and the 2016 Connecticut Sate Building Code. Tower and foundation dimensions have been taken from drawings by Fred A. Nudd, project number 00-6111A-1 & 98-6111-2, dated July 28, 2000 & June 1998, respectively. Geotechnical information was taken from a subsurface exploration report by Tower Engineering Professionals, Inc., project number 090004.13, dated September 22, 2009. Design criteria per each analysis are noted on the following page. The tower is assumed to be in good, undamaged and equivalent to as new condition and has been maintained / inspected per criteria by TIA-222.

The purpose of this analysis is to determine the structure's ability to support new Sprint equipment installed at a rad center of 170.5 ft above ground level (AGL). The new equipment to be installed, which includes antennas, diplexers, and associated hardware are listed on the following page in the appurtenance loading table.

Results of the analysis indicate the tower will be able to the support the design loads noted in the appurtenance loading table on the following page. Specific section design loads, capacities and stress ratios are provided on the following pages. Maximum member usage was found to be 98%.

The tower base foundation and anchors were analyzed considering onsite soil information from the aforementioned geotechnical report. Based on this analysis, the foundation and anchors will be able support the proposed appurtenance loading, in addition to the existing wireless equipment and tower superstructure. Specific design loads, capacities and stress ratios are provided on the following pages.

In conclusion, the tower super and substructure can support the listed existing and proposed appurtenance loading.

We trust this report satisfies your needs. Please contact us with any questions or concerns regarding this report.

Best Regards,

Fred. A. Nudd Corporation