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February 25, 2021

***VIA ELECTRONIC MAIL
AND FEDERAL EXPRESS***

Ms. Melanie A. Bachman, Esq., Executive Director
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

Re: Prehearing Submission Concerning the Application for Certificate of Environmental Compatibility and Public Need for a proposed monopole wireless telecommunications facility at 800 Prospect Hill Road, Windsor, Connecticut

Dear Attorney Bachman:

This office represents the intervenor, T-Mobile Northeast LLC (“T-Mobile”). On behalf of T-Mobile, I have enclosed a prehearing submission in connection with the above referenced Application for Certificate of Environmental Compatibility and Public Need.

Please do not hesitate to contact me with any questions.

Very truly yours,

A handwritten signature in blue ink, appearing to read 'Jesse A. Langer', is written over a light blue horizontal line.

Jesse A. Langer

Enclosure

3158417

**STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL**

APPLICATION OF TARPON TOWERS : DOCKET NO. 496
II, LLC FOR A CERTIFICATE OF :
ENVIRONMENTAL COMPATIBILITY :
AND PUBLIC NEED FOR THE :
CONSTRUCTION, MAINTENANCE :
AND OPERATION OF A WIRELESS :
TELECOMMUNICATIONS FACILITY :
AT 800 PROSPECT HILL ROAD, :
WINDSOR, CONNECTICUT : February 25, 2021

PREHEARING SUBMISSION BY THE INTERVENOR, T-MOBILE NORTHEAST LLC

In accordance § 16-50j-22a of the Regulations of Connecticut State Agencies, T-Mobile Northeast LLC (“T-Mobile”) respectfully files this Prehearing Submission in connection with the above-captioned Docket pending before the Connecticut Siting Council (“Council”).

A. Witness List

1. Hans Fiedler, Director of Network Engineering & Operations for Connecticut & Upstate New York, T-Mobile; and
2. Alex Murillo, Senior Radio Frequency Engineer, T-Mobile.

Professional biographies of witnesses are appended hereto as Attachment 1.

B. Exhibit List

1. Tarpon’s Application, dated December 4, 2020, including the twenty attachments appended thereto and the bulk filing submission, which includes (a) Tarpon’s Technical Report, (b) the Town of Windsor’s (“Town”) Zoning Regulations, (c) the Town’s Inland Wetlands and Watercourses Regulations, (d) the Town’s Plan of Conservation and Development, and (e) the Town’s Future Land Use Plan;
2. Tarpon’s responses to the Council’s first set of interrogatories, dated February 18, 2021;
3. Professional biographies of witnesses are appended hereto as Attachment 1; and
4. Any other exhibits that may be obtained prior to the hearing and are relevant to the Application or as rebuttal to positions taken by the other parties and intervenors of record.

C. Items to be Noticed Administratively

T-Mobile does not wish to notice any items administratively at this time.

D. Direct Testimony

At the hearing on this Docket, T-Mobile intends to adopt the aforementioned exhibits as its direct testimony and thereafter make its representatives available for cross-examination and re-direct examination. T-Mobile respectfully reserves the right to offer additional exhibits, witnesses, testimony and administratively noticed materials as may be necessary during the course of the proceedings, including for purposes of rebuttal.

Respectfully submitted by,

T-MOBILE NORTHEAST LLC



By: _____

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ATTACHMENT 1

(Professional Biographies)



T-Mobile
35 Griffin Road South
Bloomfield, CT 06002

Email
Hans.Fiedler@T-Mobile.com

Hans Fiedler

Director, Network Engineering & Operations
Connecticut – Upstate New York



PROFILE

30 years' experience in comprehensive management and deployment of wireless communication networks. Currently Director of Network Engineering and Operations for T-Mobile overseeing the State of Connecticut and the Upstate New York Region. Direct oversight of wireless network design, deployment, maintenance, and optimization. Combined 2.2 Million customers across a network of 2,000 transmitting facilities.

EXPERIENCE

2008 3G Network deployment in the State of Connecticut for T-Mobile.
2012 LTE Network deployment in the Mid-Atlantic Region for T-Mobile.
2013 Low-Band 700MHz LTE deployment in the Mid-Atlantic Region for T-Mobile.
2015 Low-Band 600MHz LTE deployment in New England Region for T-Mobile.
2020 5G Network deployment in the State of Connecticut and Upstate New York Region for T-Mobile.

Alex Murillo

alex.murillo9@t-mobile.com

250 Audubon Ave Newington, CT 06111

M :(860) 796-4963

Experience

T-Mobile USA – Bloomfield, CT
Senior RF Engineer-

06/10-Present

- Working on Design of T-mobile's 2G, 3G, 4G and 5G Systems.
- Responsible for Optimizing the GSM, UMTS, LTE, 5G technologies. On a high level optimizing Retainability, Accessibility, Mobility and Quality
- Team Lead in various projects pertaining to both Optimization and Design
- Team lead overseeing Amdocs contractors in our market
- Responsible for covering for my manager when he is out of office. Covering RF meetings and Team responsibility.
- Optimize UMTS Network looking at Retainability, Accessibility, Mobility and Quality reports.
- Responsible for CSC prep work and zoning hearings
- RTWP RF Team lead in the market
- Responsible for Scoping sessions and design work
- Responsible for overseeing multiple DAS nodes and indoor site designs in my area.

Ericsson – Dallas, TX
RF Consultant- UMTS RF Optimization Engineer

3/10-06/10

- Supporting Ericsson with AT&T's UMTS Pre Launch Optimization for multiple markets rolling out their 1st, 2nd or 3rd Carrier Frequencies. The goal is to make AT&T's markets go green on their KPI's.
- Extensive Optimization using Actix Spotlight tool to analyze layer 3 messages for multiple problems such as IRAT drops and HO problems, IFHO problems, Synchronization problems, and many others. Troubleshooting swapped sectors, pilot pollution, missing neighbors, SC collisions etc. Analyzing HSDPA and HSUPA iRate events for time delays and drops. Recommending neighbor additions/deletions, antenna tilts and parameter changes. Monitoring hardware alarms and T1 issues on these sites making sure they are fully functional before the cluster launch.
- Post Optimization begins once a market is approved and launched in order to verify all changes made and further improve and recommend more changes as needed.
- Detailed Power Point presentation with all cluster optimization activities is submitted to Manager.

T-Mobile USA – Bloomfield, CT
Independent RF Consultant- UMTS RF Optimization Engineer

1/09-2/10

- Supporting the Connecticut Market in the overlay of Ericsson UMTS Network (1900) on to the existing 2G Nortel GSM (1900) Network.
- Analyzing and Optimizing UMTS TEMS cluster drives using Actix Spotlight to meet T-Mobile's KPI Cluster goals.
- Optimize UMTS Network looking at Retainability, Accessibility, Mobility and Quality reports.
- Extensive Monitoring of KPI's on the 2G sites that have UMTS Nodes overlaid on them such as antenna and line work, RET (Remote Electrical Tilt), TMA consolidation, etc...
- Verify that the 2G and 3G Electrical down tilt from RFS Antennas are properly set.
- Optimizing top drop sites to continue to improve 2G and 3G Network.
- Collect and analyze data with TEMS, OPTPCS, and XPM.

AT&T Wireless – King of Prussia, PA
Independent RF Consultant- UMTS RF Optimization Engineer

8/08-12/08

- Support the Philadelphia Market in the overlay of Lucent UMTS Network (1900/850) on to their existing 2G GSM (1900/850) Network.
- Processed and Analyzed UMTS TEMS and Agilent cluster drives using Actix Analyzer and Spotlight to meet AT&T's KPI Cluster goals in particular the HSDPA and HSUPA throughputs.
- Worked hand in hand with AT&T Performance engineers helping them meet their cluster goals by optimizing mainly for swapped sectors, pilot pollution and IRAT Handover problems.

T-Mobile USA – Bloomfield, CT
Independent RF Consultant- RF Design and Optimization

12/03-8/08

- Responsible for build plan in Fairfield/New Haven County area. Use Asset and Odyssey tools to show existing coverage, identify gaps and select optimum candidates and antennas.
- Represent T-Mobile USA in attending town meetings, zoning hearings, and CT Siting Council hearings. Attended approximately 30 hearings.
- Network Optimization engineer responsible for achieving MOU goals, maintaining retainability, accessibility, voice quality and data throughput targets for Nortel GSM 1900 network in particular Fairfield County.
- Optimizing and maintaining EDGE/GPRS data parameters to achieve maximum throughput and reliability
- Collect and analyze data with TEMS, OPTPCS, and X-tel tools.
- Perform frequency planning in GSM network to optimize performance.

AT&T Wireless – Connecticut
RF Engineer

12/01-11/03

- Network performance engineer responsible for optimizing retainability, accessibility, voice quality and data throughput targets for Nokia GSM 850/1900 and Lucent IS-136 850 TDMA networks in the Connecticut Market.
- Experience with Nokia NMS/MML and Lucent Autoplex network platforms.
- Prepared and implemented initial GSM and TDMA RF site parameters including neighbor lists, channel frequencies, access thresholds and power control parameters.
- Troubleshoot lost call, high BER and call access problems with X-TEL and TEMS drive test equipment. Recommended and implemented RF parameter changes in the Nokia Switch and Lucent Switch.
- Maintained frequency plan and updated FCC PCN for CT market on a quarterly basis.
- Worked closely with E-911 Inrado Vendor to deploy Phase II with local PSAP's
- Maintained Frequency Plan and updated PCN Filings
- Coordinated deployment and optimized performance of COWs to accommodate high traffic location including Pilot Pen event.

AT&T Wireless – Connecticut/New York
Independent RF Consultant- RF Design Engineer

10/00- 12/01

- Performed System Design for cell sites for AT&T Wireless Connecticut Lucent IS-136 TDMA PCS initial build-out. Used stealth antenna designs with structures including town hall cupolas, flagpoles, billboards and utility company poles to meet strict zoning requirements. Prepared zoning documents including propagation plots and FCC EMF compliance studies. Testified at Connecticut Township

- Board meetings and Siting Council hearings. Attended approximately 30 hearings.
- Used LCC's Cellcad propagation tool for coverage analysis of the 850/1900 IS-136 TDMA Network during initial design and site selection. Used MSI PLANET Propagation tool for coverage analysis of the 850/1900 GSM NOKIA Network.
- Generated RF Exposure applications for the Department of Public Health and Siting Council

Voice Stream – East Providence, RI
RF Consultant- RF Design Engineer

7/99-10/00

- Performed RF System Design and Implementation of Voice Stream's Southern New England GSM Network using Odyssey and Xcalibur Propagation Software.
- Coordinated tower crews and cranes, planned drive routes and trained engineers to perform CW drive tests with Grayson CW transmitter and receiver.
- Represented Voice Stream in attending town meetings and zoning hearings. Attended approximately 35 hearings.
- Generated RF Exposure applications for the Department of Public Health

ARCH Communications – Westborough, MA
RF Design Engineer

2/98-7/99

- Managed all Co-op Engineering students and Associate Engineers in the training and development of wireless data technologies. RF Planning and implementation performed using MSI Planet and EDX tools. Lead the site licensing team in the integration of MobilComm FCC Licenses and performed License Review on over 5,000 site Licenses.
- Responsible for monitoring of the wireless Data Messaging Networks including new coverage expansions in the Western and Southern regions of the US.
- Generated RFE roof top and tower analysis reports to be in compliance with FCC regulations.
- Established close working relation with Directors of Technical Operations within my regions regarding any field implementations.
- Involved in the RF Design and Simulations of Latin American Wireless Systems as well as Spanish-English translations of documents for the New Technologies Wireless Data Department.

RLW ANALYTICS – Middletown, CT
Analytical Engineer

2/97- 10/97

- Responsible for conducting client analysis as part of Northeast Utilities' Energy Conscious Construction (ECC) program.
- Performed on-site visits, data analysis, and engineering reviews.
- Initiated file reviews to re-analyze engineering estimates of savings achieved through the Energy Action Program (EAP).
- Utilized Microsoft Access to track data and a variety of mathematical modeling tools to perform analysis.
- Worked closely with clients to gather data through questionnaires and interviews.

Education

- BS Electrical Engineering**, May 1997
 University of Hartford, West Hartford, CT

Technical Tools

Software Tools Used

TrueCall, SON module, SCHEMA-TNG GSM/TDMA Spectrum Optimizer for AFP planning, AIRCOM ASSET TOOL V5.2.0, MSI PLANET, CELL CAD II, LOGICA-ODYSSEY V4.4.27, TeleworX-Xcalibur and PlotworX, MapInfo Professional V 9.0, RSPT (Radio System Planning Techniques), X-TEL Communications, Grayson Wireless (E911 Equipment), Ericsson TEMS Investigation, DTI Scanner, Nokia NEMO, OPT PCS, METRICA, CPT NORTEL, RFS OPTIMIZER RT, ACTIX ANALYZER, SPOTLIGHT ANALYZER, T-PIM (T-Mobile tool), WiNOT (T-Mobile tool).

Vendor Equipment Used

Nortel GSM 1900MHz Equipment, Nokia NMS 2000 switch interface for GSM, Lucent Autoplex OMP Switch interface for TDMA, and Ericsson UMTS and GSM Equipment. Ericsson OSS Common Explorer.

References: Available upon request.

CERTIFICATION OF SERVICE

I hereby certify that a copy of the foregoing document was sent via electronic mail to the service list for Docket No. 496 on February 25, 2021:

Counsel for Tarpon Towers II, LLC
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East Haven, CT 06512
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By: _____

Jesse A. Langer
Updike, Kelly & Spellacy, P.C.