



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
Fax: (860) 827-2950

August 8, 2002

Peter W. van Wilgen
SNET Mobility, LLC
500 Enterprise Drive
Rocky Hill, CT 06067-3900

RE: **EM-CING-054-079-028-121-104-073-109-058-020702** - SNET Mobility, LLC notice of intent to modify existing telecommunications facilities located in Colchester, Glastonbury, Griswold, Lisbon, Marlborough, Norwich, Plainfield, and Salem, Connecticut.

Dear Mr. van Wilgen:

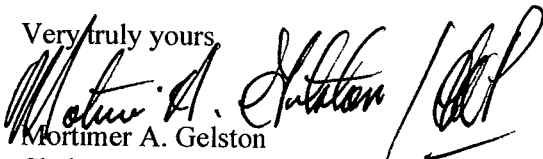
At a public meeting held on August 1, 2002, the Connecticut Siting Council (Council) acknowledged your notice to modify these existing telecommunications facilities, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated July 2, 2002. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility sites that would not increase tower heights, extend the boundaries of the tower site, increase noise levels at the tower site boundaries by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundaries to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. These facilities have also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on these towers.

This decision is under the exclusive jurisdiction of the Council. Any additional change to these facilities will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

Thank you for your attention and cooperation.

Very truly yours,


Mortimer A. Gelston
Chairman

MAG/laf

c: See attached list.

List Attachment.

- c: Honorable Jenny Contois, First Selectman, Town of Colchester
- Liz Rasmussen, Zoning Enforcement Officer, Town of Colchester
- Honorable Walter Cussan, Town Council Chairman, Town of Glastonbury
- Richard J. Johnson, Town Manager, Town of Glastonbury
- Kenith Leslie, Town Planner, Town of Glastonbury
- Honorable Paul J. Brycki, First Selectman, Town of Griswold
- Mario Tristany, Town Planner, Town of Griswold
- Honorable Thomas W. Sparkman, First Selectman, Town of Lisbon
- Planning and Zoning Official, Town of Lisbon
- Honorable Howard T. Dean, Jr., First Selectman, Town of Marlborough
- Peter F. Hughes, Zoning Enforcement Officer, Town of Marlborough
- Honorable Arthur Lester Lathrop, Mayor, City of Norwich
- Peter Davis, Town Planner, City of Norwich
- William G. Tallman, City Manager, City of Norwich
- Honorable David C. Allard, First Selectman, Town of Plainfield
- Planning and Zoning Official, Town of Plainfield
- Honorable Peter F. Sielman, First Selectman, Town of Salem
- Heidi Samokar, Town Planner, Town of Salem



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Ten Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
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July 24, 2002

Honorable Thomas W. Sparkman
First Selectman
Town of Lisbon
Town Office Building
1 Newent Road
Lisbon, CT 06351

RE: **EM-CING-054-079-028-121-104-073-109-058-020702** - SNET Mobility, LLC notice of intent to modify existing telecommunications facilities located in Colchester, Glastonbury, Griswold, Lisbon, Marlborough, Norwich, Plainfield, and Salem, Connecticut.

Dear Mr. Sparkman:

The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for August 1, 2002, at 2:30 p.m. in Hearing Room Two, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/laf

Enclosure: Notice of Intent

c: Planning and Zoning Official, Town of Lisbon



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
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July 24, 2002

Honorable Peter F. Sielman
First Selectman
Town of Salem
Town Office Building
270 Hartford Road
Salem, CT 06420

RE: **EM-CING-054-079-028-121-104-073-109-058-020702** - SNET Mobility, LLC notice of intent to modify existing telecommunications facilities located in Colchester, Glastonbury, Griswold, Lisbon, Marlborough, Norwich, Plainfield, and Salem, Connecticut.

Dear Mr. Sielman:

The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for August 1, 2002, at 2:30 p.m. in Hearing Room Two, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/laf

Enclosure: Notice of Intent

c: Heidi Samokar, Town Planner, Town of Salem



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CONNECTICUT SITING COUNCIL

Ten Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
Fax: (860) 827-2950

July 24, 2002

Honorable Arthur Lester Lathrop
Mayor
City of Norwich
City Hall
100 Broadway
Room 214
Norwich, CT 06360

RE: **EM-CING-054-079-028-121-104-073-109-058-020702** - SNET Mobility, LLC notice of intent to modify existing telecommunications facilities located in Colchester, Glastonbury, Griswold, Lisbon, Marlborough, Norwich, Plainfield, and Salem, Connecticut.

Dear Mr. Lathrop:

The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for August 1, 2002, at 2:30 p.m. in Hearing Room Two, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

Very truly yours,

SDP/laf

S. Derek Phelps
Executive Director

SDP/laf

Enclosure: Notice of Intent

c: Peter Davis, Town Planner, City of Norwich
William G. Tallman, City Manager, City of Norwich



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
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July 24, 2002

Honorable Howard T. Dean, Jr.
First Selectman
Town of Marlborough
North Main Street
P. O. Box 29
Marlborough, CT 06447

RE: **EM-CING-054-079-028-121-104-073-109-058-020702** - SNET Mobility, LLC notice of intent to modify existing telecommunications facilities located in Colchester, Glastonbury, Griswold, Lisbon, Marlborough, Norwich, Plainfield, and Salem, Connecticut.

Dear Mr. Dean:

The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for August 1, 2002, at 2:30 p.m. in Hearing Room Two, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

Very truly yours,

S. D. Phelps

S. Derek Phelps
Executive Director

SDP/laf

Enclosure: Notice of Intent

c: Peter F. Hughes, Zoning Enforcement Officer, Town of Marlborough



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
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July 24, 2002

Honorable Walter Cussan
Chairman Town Council
Town of Glastonbury
2155 Main Street
P. O. Box 6523
Glastonbury, CT 06033

RE: **EM-CING-054-079-028-121-104-073-109-058-020702** - SNET Mobility, LLC notice of intent to modify existing telecommunications facilities located in Colchester, Glastonbury, Griswold, Lisbon, Marlborough, Norwich, Plainfield, and Salem, Connecticut.

Dear Mr. Cussan:

The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for August 1, 2002, at 2:30 p.m. in Hearing Room Two, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

Very truly yours,

SDP/lexe

S. Derek Phelps
Executive Director

SDP/laf

Enclosure: Notice of Intent

c: Kenith Leslie, Town Planner, Town of Glastonbury
Richard J. Johnson, Town Manager, Town of Glastonbury



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New Britain, Connecticut 06051
Phone: (860) 827-2935
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July 24, 2002

Honorable Jenny Contois
First Selectman
Town of Colchester
Town Hall
127 Norwich Avenue
Colchester, CT 06415

RE: **EM-CING-054-079-028-121-104-073-109-058-020702** - SNET Mobility, LLC notice of intent to modify existing telecommunications facilities located in Colchester, Glastonbury, Griswold, Lisbon, Marlborough, Norwich, Plainfield, and Salem, Connecticut.

Dear Mr. Contois:

The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for August 1, 2002, at 2:30 p.m. in Hearing Room Two, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

Very truly yours,

SDP/laf

S: Derek Phelps
Executive Director

SDP/laf

Enclosure: Notice of Intent

c: Liz Rasmussen, Zoning Enforcement Officer, Town of Colchester



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
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July 24, 2002

Honorable David C. Allard
First Selectman
Town of Plainfield
Town Hall
8 Community Avenue
Plainfield, CT 06374

RE: **EM-CING-054-079-028-121-104-073-109-058-020702** - SNET Mobility, LLC notice of intent to modify existing telecommunications facilities located in Colchester, Glastonbury, Griswold, Lisbon, Marlborough, Norwich, Plainfield, and Salem, Connecticut.

Dear Mr. Allard:

The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for August 1, 2002, at 2:30 p.m. in Hearing Room Two, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/laf

Enclosure: Notice of Intent

c: Planning and Zoning Official, Town of Plainfield



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CONNECTICUT SITING COUNCIL

Ten Franklin Square
New Britain, Connecticut 06051
Phone: (860) 827-2935
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July 24, 2002

Honorable Paul J. Brycki
First Selectman
Town of Griswold
Town Hall
32 School Street
P. O. Box 369
Jewett City, CT 06351-2398

RE: **EM-CING-054-079-028-121-104-073-109-058-020702** - SNET Mobility, LLC notice of intent to modify existing telecommunications facilities located in Colchester, Glastonbury, Griswold, Lisbon, Marlborough, Norwich, Plainfield, and Salem, Connecticut.

Dear Mr. Brycki:

The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for August 1, 2002, at 2:30 p.m. in Hearing Room Two, Ten Franklin Square, New Britain, Connecticut.

Please call me or inform the Council if you have any questions or comments regarding this proposal.

Thank you for your cooperation and consideration.

Very truly yours,

SDP/laf

S. Derek Phelps
Executive Director

SDP/laf

Enclosure: Notice of Intent

c: Mario Tristany, Town Planner, Town of Griswold

CHAZEN ENGINEERING & LAND SURVEYING CO., P.C.

Dutchess County Office
Phone: (845) 454-3980

New England Office
Phone: (781) 556-1037

20 Gurley Avenue, Troy, New York 12182
Phone: (518) 235-8050 Fax: (518) 235-8051
Email: albany@chazencompanies.com

Orange County Office
Phone: (845) 567-1133

North Country Office
Phone: (518) 812-0513

June 26, 2002

Mr. Ed Dupont
SBA Network Services, Inc.
80 Eastern Boulevard
Glastonbury, CT 06033

Re: Structural Review of the Griswold East Monopole
TCC Job Number: NE056.00
SBA Site No.: CT00303-S
Cingular Site No.: 2025

Dear Mr. Dupont:

As requested, The Chazen Companies (TCC) has performed a structural review of the above referenced monopole located on the Polinski Farm in the Town of Griswold, New London County, Connecticut. Our review is based on existing and proposed antenna information as provided by SBA and design drawings by FWT Inc., dated May 11, 1998.

TCC has reviewed the above mentioned design drawings to determine the areas and elevations of the original design antennas to calculate the forces and moments. TCC then determined the areas and elevations of the existing and proposed antennas from the information provided by SBA, again to calculate the forces and moments. The moments due to the existing and proposed antennas were then compared to the original design antennas moments. TCC's recommendations are based on the existing and proposed antennas being within the original design parameters. TCC has not completed a structural analysis of the stresses in the individual components of the monopole, the monopole base plate, anchor bolts, or foundation.

Based on our review, the monopole is 150 feet tall and was designed to support four (4) antenna arrays consisting of (12) DB896 Panel antennas at elevations of 147 feet, 132 feet, 117 feet, and 102 feet above ground level (AGL).

Information provided by SBA indicates that currently there are nine (9) Allgon 7120.16 panel antennas for Cingular, nine (9) Swedcom ALP-E-9011 panel antennas for Nextel, twelve (12) Decibel DB980H90 panel antennas for Sprint PCS and three (3) Allgon 7250.03 panel antennas for AT&T on the monopole. In addition, AT&T has a planned installation of nine (9) Allgon 7250.03 panel antennas at the same elevation as their existing antenna array. Cingular Wireless proposes to install nine (9) CSS DUO4-8670 panel antennas with six (6) ADC 850/1900 Cleargain tower mounted amplifiers and three (3) ADC 850/1900 Diplexers mounted directly behind the proposed antennas at an elevation of 147 feet AGL upon removal of their existing antennas. Cingular Wireless is also proposing to install one (1) Kathrein 738449 antenna at 87' AGL.

The design drawings provided indicate that the monopole was designed for a basic wind speed of 85 mph and ½" radial ice with wind/ice reduction in accordance with ANSI/TIA/EIA-222-F *Structural Standards for Steel Antenna Towers and Antenna Supporting Structures*. Revision F of this standard is the newest revision, and thus meets or exceeds the requirements of the previous revision, which is referenced in the 1996 BOCA National Building Code. The Connecticut State Building Code requires that television and radio towers be designed in accordance with Section 3108.4 of the 1996 BOCA National Building Code. Therefore TCC can conclude that the monopole design meets or exceeds the Connecticut State Building Code.

Based upon this information, TCC has determined that the proposed Cingular installation can be added to the structure and does not exceed the original design parameters for the above referenced monopole. Our conclusion assumes that the monopole and foundation were constructed in accordance with all applicable local, state, and federal codes, and the original design documents. However, TCC's review does not relieve the original design engineer's responsibility for completeness or accuracy of work.

If you have any questions, or require any additional information please do not hesitate to contact this office.

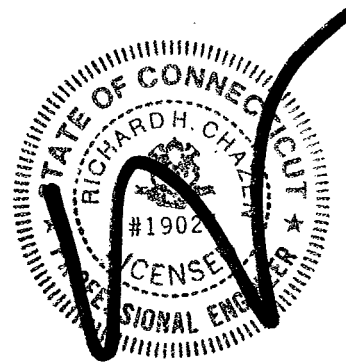
Sincerely,



Richard Chazen, P.E.
Principal

ksp/

cc: Kelly Libolt, TCC
Kelly Phillips, TCC
Tim O'Byrne, TCC
File



CHAZEN ENGINEERING & LAND SURVEYING CO., P.C.

Dutchess County Office
Phone: (845) 454-3980

New England Office
Phone: (781) 556-1037

20 Gurley Avenue, Troy, New York 12182
Phone: (518) 235-8050 Fax: (518) 235-8051
Email: albany@chazencompanies.com

Orange County Office
Phone: (845) 567-1133

North Country Office
Phone: (518) 812-0513

June 26, 2002

Mr. Ed Dupont
SBA Network Services, Inc.
80 Eastern Boulevard
Glastonbury, CT 06033

Re: Structural Review of the Plainfield Monopole
TCC Job Number: NE057.00
SBA Site No.: CT00594
Cingular Site No.: 2059

Dear Mr. Dupont:

As requested, The Chazen Companies (TCC) has performed a structural review of the above referenced monopole located near the intersection of Roper Road and interstate 395 in the Town of Plainfield, Windham County, Connecticut. Our review is based on existing and proposed antenna information as provided by SBA and record drawings by Valmont Microflex, dated July 20, 1998.

TCC has reviewed the above mentioned design calculations to determine the areas and elevations of the original design antennas to calculate the forces and moments. TCC then determined the areas and elevations of the existing and proposed antennas from the information provided by SBA, again to calculate the forces and moments. The moments due to the existing and proposed antennas were then compared to the original design antennas moments. TCC's recommendations are based on the existing and proposed antennas being within the original design parameters. TCC has not completed a structural analysis of the stresses in the individual components of the monopole, the monopole base plate, anchor bolts, or foundation.

Based on our review, the monopole is 178 feet tall and was designed to support five (5) antenna arrays consisting of (9) DB896 Panel antennas at elevations of 175 feet, 165 feet, 155 feet, 145 feet, and 135 feet above ground level (AGL).

Information provided by SBA indicates that currently there are nine (9) Allgon 7130.16 panel antennas for Nextel, three (3) EMS RV90-17-02 panel antennas for Nextel, twelve (12) Allgon 7120.16 panel antennas for Verizon Wireless, nine (9) Decibel DB846H80 panel antennas for Cingular, three (3) Allgon 7250.03 panel antennas for AT&T, and six (6) Decibel DB980H90 panel antennas for Sprint PCS on the monopole. In addition, AT&T has a planned installation of nine (9) Allgon 7250.03 panel antennas at the same elevation as their existing antenna array. Cingular Wireless proposes to install nine (9) CSS DUO4-8670 panel antennas with six (6) ADC 850/1900 Cleargain tower mounted amplifiers and three (3) ADC 850/1900 Diplexers mounted directly behind the proposed antennas at an elevation of 155 feet AGL upon removal of their existing antennas. Cingular Wireless is also proposing to install one (1) Kathrein 738449 antenna at 106' AGL.

The design drawings provided indicate that the monopole was designed for a basic wind speed of 85 mph and ½" radial ice with wind/ice reduction in accordance with ANSI/TIA/EIA-222-F *Structural Standards for Steel Antenna Towers and Antenna Supporting Structures*. Revision F of this standard is the newest revision, and thus meets or exceeds the requirements of the previous revision, which is referenced in the 1996 BOCA National Building Code. The Connecticut State Building Code requires that television and radio towers be designed in accordance with Section 3108.4 of the 1996 BOCA National Building Code. Therefore TCC can conclude that the monopole design meets or exceeds the Connecticut State Building Code.

Based upon this information, TCC has determined that the proposed Cingular installation can be added to the structure and does not exceed the original design parameters for the above referenced monopole. Our conclusion assumes that the monopole and foundation were constructed in accordance with all applicable local, state, and federal codes, and the original design documents. However, TCC's review does not relieve the original design engineer's responsibility for completeness or accuracy of work.

If you have any questions, or require any additional information please do not hesitate to contact this office.

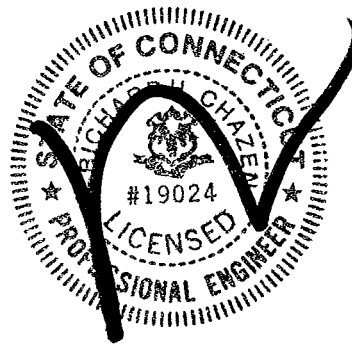
Sincerely,



Richard Chazen, P.E.
Principal

ksp/

cc: Kelly Libolt, TCC
Kelly Phillips, TCC
Tim O'Byrne, TCC
File



**CINGULAR WIRELESS
Antenna Modification**

Site Address: 131 Bishops Crossings Road, Griswold
tower share 12/98

Tower Owner/Manager: SBA

Antenna configuration Antenna center line – 147'

Current and/or approved: 12 ALP 110 11 or comparable

Planned: 9 CSS DUO4-8670 or comparable
6 tower mount amplifiers
3 diplexers
1 LMU (at 87')

Power Density:

Calculations for Cingular's current operations at the site indicate a radio frequency electromagnetic radiation power density, measured at the tower base, of approximately 5.4% of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density for Cingular's planned operations would be approximately 7.6%, or an additional 2.2% of the standard.

Cingular Current

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
SNET	147	880 - 894	19	100	0.0316	0.5867	5.4

Cingular Planned

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
SNET TDMA	147	880 - 894	16	100	0.0266	0.5867	4.5
SNET GSM	147	880 - 894	2	296	0.0099	0.5867	1.7
SNET GSM	147	1930 - 1935	2	427	0.0142	1.0000	1.4
Total							7.6%

Structural information: Please see attached.



SNET Mobility, LLC
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7730
Fax: (860) 513-7190

Peter W. van Wilgen
Senior Manager – Construction

HAND DELIVERED

July 2, 2002

Mr. Mortimer A. Gelston, Chairman
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051



Re: SNET Mobility, LLC notice of intent to modify existing telecommunications facilities located in Glastonbury, Marlborough, Colchester, Salem, Norwich, Lisbon, Plainfield and Griswold

Dear Mr. Gelston:

In order to accommodate technological changes, implement E-911 capability and enhance system performance, SNET Mobility, LLC ("SNET" or "Cingular Wireless") plans to modify the antenna configurations at its existing cell sites. Please accept this letter and attachments as notification, pursuant to R.C.S.A. Section 16-50j-73, of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2). In compliance with R.C.S.A. Section 16-50j-73, a copy of this letter and attachments is being sent to the chief elected official of each of the municipalities in which an affected cell site is located.

Attached are summary sheets detailing the planned changes, including power density calculations reflecting the change in the effect of Cingular's operations at each site. Also included is documentation of the structural sufficiency of each tower to accommodate the revised antenna configuration.

The changes to the facilities do not constitute modifications as defined in Connecticut General Statutes ("C.G.S.") Section 16-50i(d) because the general physical characteristics of the facilities will not be significantly changed or altered. Rather, the planned changes to the facilities fall squarely within those activities explicitly provided for in R.C.S.A. Section 16-50j-72(b)(2).

Mr. Mortimer A. Gelston

July 2, 2002

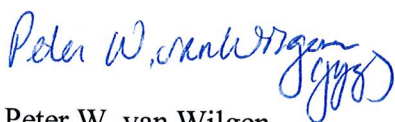
Page 2

1. The height of the overall structure will be unaffected. At almost all sites, new panel antennas approximately the same size will replace those previously installed. Tower mount amplifiers, approximately 5" x 9" x 13", will be added to the platform on which the panel antennas are mounted to enhance signal reception at the cell site. In addition, the mandated provision of E-911 capability will require installation of one LMU ("location measurement unit"), approximately 5 inches high, on either the tower, the equipment shelter or the ice bridge. One GPS receive-only antenna will be attached to the equipment shelter at each site. None of the modifications will extend the height of the tower.
2. The proposed changes will not extend the site boundaries. There will be no effect on the site compound.
3. The proposed changes will not increase the noise level at the existing facility by six decibels or more.
4. Radio frequency power density will increase due to use of additional channels broadcasting at higher power. However, the changes will not increase the calculated "worst case" power density for the combined operations at the site to a level at or above the applicable standard for uncontrolled environments as calculated for a mixed frequency site.

For the foregoing reasons, Cingular Wireless respectfully submits that the proposed changes at the referenced sites constitute exempt modifications under R.C.S.A. Section 16-50j-72(b)(2).

Please feel free to call me at (860) 513-7730 with questions concerning this matter. Thank you for your consideration.

Sincerely,



Peter W. van Wilgen
Senior Manager - Construction

Enclosures

**CINGULAR WIRELESS
Antenna Modification**

Site Address: 366 Three Mile Road, Glastonbury
Docket No. 174

Tower Owner/Manager: Crown Atlantic Company LLC

Antenna configuration Antenna center line – 140'

Current and/or approved: 12 ALP 110 11 or comparable

Planned: 9 CSS DUO4-8670 or comparable
9 tower mount amplifiers/diplexers

Power Density:

Calculations for Cingular's current operations at the site indicate a radio frequency electromagnetic radiation power density, measured at the tower base, of approximately 5.9% of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density for Cingular's planned operations would be approximately 8.4%, or an additional 2.5% of the standard.

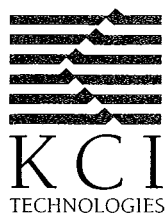
Cingular Current

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
SNET	140	880 - 894	19	100	0.0349	0.5867	5.9

Cingular Planned

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
SNET TDMA	140	880 - 894	16	100	0.0294	0.5867	5.0
SNET GSM	140	880 - 894	2	296	0.0109	0.5867	1.9
SNET GSM	140	1930 - 1935	2	427	0.0157	1.0000	1.6
Total							8.4%

Structural information: Please see attached.



ENGINEERS • PLANNERS • SCIENTISTS • CONSTRUCTION MANAGERS

LANDMARK CENTER I, SUITE 200 • 4601 SIX FORKS ROAD • RALEIGH, NC 27609 • 919-783-9214 • (FAX) 919-783-9266

26 June, 2002

Mr. Lincoln Erhard
Crown Castle International
500 West Cummings Park
Suite 3400
Woburn, MA 01801

RE: **Structural Re-analysis: Crown Glastonbury CT Tower**
BU: 806368
KCI JOB: 1202016 H

Dear Mr. Erhard:

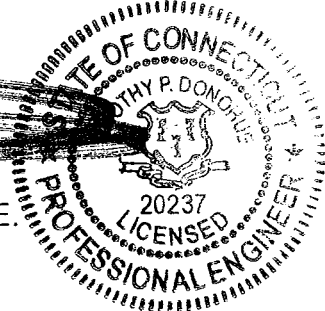

Pursuant to your request, KCI Technologies, Inc. has completed a structural re-analysis of the Crown Glastonbury CT tower. Cingular Wireless has requested that the tower be analyzed with (9)- CSS DUO44-8670 panel antennas with ADC 850/1900 Diplexers to replace the existing (9)- panel antennas at 140-ft elevation. This analysis assumes that all of the information contained in the structural analysis report dated June 11, 2002 is still valid aside from the proposed antennas mentioned.

KCI has determined that all structural components of the tower will meet the allowable stress limits established by the TIA/EIA-222-F standard for the proposed appurtenance configuration.

Our conclusions are based on the assumption that all information provided to KCI is accurate, that the manufacturer has properly designed and fabricated the tower, and that the tower has been properly erected and maintained.

If you have any questions or need additional information, please do not hesitate to call me at (919) 783-9214.

Sincerely,

A circular professional engineer seal for Timothy P. Donohue, State of Connecticut. The seal contains the text "STATE OF CONNECTICUT" at the top, "TIMOTHY P. DONOHUE" in the center, and "20237 LICENSED PROFESSIONAL ENGINEER" at the bottom. The seal is partially obscured by a handwritten signature in black ink.

Timothy P. Donohue, P.E.
Senior Vice President

cc: Files

**CINGULAR WIRELESS
Antenna Modification**

Site Address: 43 North Main Street, Marlborough
Docket No. 169

Tower Owner/Manager: Crown Atlantic Company LLC

Antenna configuration Antenna center line – 147'

Current and/or approved: 9 ALP 110 11 or comparable

Planned: 9 CSS DUO4-8670 or comparable
9 tower mount amplifiers and diplexers

Power Density:

Calculations for Cingular's current operations at the site indicate a radio frequency electromagnetic radiation power density, measured at the tower base, of approximately 5.4% of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density for Cingular's planned operations would be approximately 7.6%, or an additional 2.4 % of the standard.

Cingular Current

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
SNET	147	880 - 894	19	100	0.0316	0.5867	5.4

Cingular Planned

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
SNET TDMA	147	880 - 894	16	100	0.0266	0.5867	4.5
SNET GSM	147	880 - 894	2	296	0.0099	0.5867	1.7
SNET GSM	147	1930 - 1935	2	427	0.0142	1.0000	1.4
Total							7.6%

Structural information: Please see attached.



June 20, 2002

Mr. Lincoln Erhard
 CROWN CASTLE INTERNATIONAL
 500 W. CUMMINGS PARK
 SUITE 6500
 WOBURN, MA 01801

SUBJECT: *Structural Loading Evaluation*
 Existing 160 ft. Monopole Tower
MARLBORO SITE #BU806366
AWS MARLBOROUGH CENTRAL SITE # CT342.1
 Marlborough, Connecticut
 MEI Project # **02-0467**

Dear Mr. Erhard:

As requested, the above tower relative loading was structurally evaluated for feasibility of the installation of the updated proposed antennas by Crown Castle. The tower data records furnished were reviewed and the appurtenances loading were evaluated (no computer analysis performed).

The tower and antennas information used in this evaluation is based on data available to MEI:

- a- From MEI's records, reference MEI's last analysis, project # 02-0195 and 02-0195A, dated 02/26/00 and 04/30/00. Foundation data was available.
- b- Existing antenna information as per MEI records and as per update email / site photos, as supplied by Crown Castle on 06/19/02.
- c- New antenna information as per as per Application antenna data sheet dated 4/25/02 as supplied by Crown Castle, on 06/19/02.

This existing tower is assumed, for the purpose of this analysis, to have been properly maintained and to be in good condition with no structural defects. The original design is assumed to be adequate for the stated design loading since no verification analysis is performed. Some conservative assumptions are made regarding mounts based on best knowledge of antenna type & industry practice. The loading considered is as follows:

LOADING REQUIREMENTS:

Prev. Analysis: TIA/EIA 222-F - 80 Mph + 0" Ice
 Present Code: TIA/EIA 222-F - 80 Mph + 0" Ice - Hartford County, CT

PROPOSED ANTENNA LOADING CHANGES:

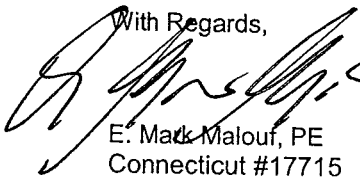
Elev. (ft)	Loading Description	Trans. Lines
147 ft ±	Replace existing (9) panel antennas with (9) CSS DU04-8670 panel Antennas + diplexers boxes (using exist frames)	Use exist (9) lines

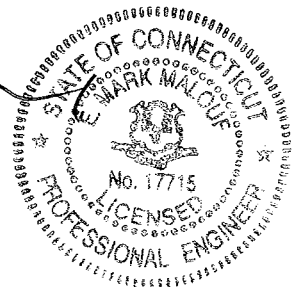
Existing: Existing antennas are the same as listed in previous Analysis report stated above

From the structural evaluation of the data provided, *this tower and foundation would meet the minimum requirements of TIA/EIA 222-F Standard for the proposed antenna loads as stated above when considering the tower to have been properly designed and based on previous analysis results*. The impact of the proposed antenna loading change is not significant when compared to the overall loading of the monopole, and therefore, in our professional opinion, is negligible.

If you should have any questions or need further clarifications, please call me.

With Regards,


 E. Mark Malouf, PE
 Connecticut #17715



**CINGULAR WIRELESS
Antenna Modification**

Site Address: Chestnut Hill Road, Colchester
Docket No. 112

Tower Owner/Manager: Springwich Cellular Limited Partnership;
managed by SpectraSite Communications, Inc.

Antenna configuration Antenna center line – 185'

Current and/or approved: 9 Swedcom ALP 110 11 or comparable

Planned: 9 CSS DUO4-8670 or comparable
6 tower mount amplifiers
1 LMU (at 46.75')

Power Density:

Calculations for Cingular's current operations at the site indicate a radio frequency electromagnetic radiation power density, measured at the tower base, of approximately 3.4% of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density for Cingular's planned operations would be approximately 4.8%, or an additional 1.4% of the standard.

Cingular Current

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
SNET	185	880 - 894	19	100	0.0200	0.5867	3.4

Cingular Planned

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
SNET TDMA	185	880 - 894	16	100	0.0168	0.5867	2.9
SNET GSM	185	880 - 894	2	296	0.0062	0.5867	1.1
SNET GSM	185	1930 - 1935	2	427	0.0090	1.0000	0.9
Total							4.8%

Structural information: Please see attached.



RE: CT-0032 [Clch - Colchester]
 Structural Evaluation of 183' Monopole
 Chestnut Hill Road
 Colchester, New London
 New London County

Date: May 15, 2002

SpectraSite Engineering has performed a *Level 1 evaluation*¹ for the above-noted tower. The evaluation was based on the requirements of the TIA/EIA-222-F Standard for a basic wind speed of **85 mph** without ice and 75% of the wind load with 1/2" radial ice.

Table 1. Existing and Proposed Antennas


ELEVATION (Ft-AGL)	ANTENNA	CARRIER	COAX*	NOTES
185	(9) Swedcom ALP 11011 on Platform Mount with Handrails	Cingular	(9) 1-1/4"	Remove Existing
185	(9) CSS DUO4-8670 (6) CSS ADC Amplifiers on Platform Mount with Handrails	Cingular	(9) 1-1/4"	Proposed Replacement
46.75	(1) Nokia CS72187.01 on Standoff Mount	Cingular	(1) 1/2"	Proposed

*Coax installed inside monopole.


The subject tower and foundation are *adequate* to support the above stated loads and *in conformance* with the requirements of TIA/EIA-222-F Standard.

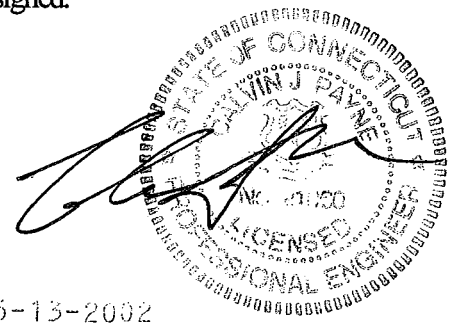
The tower should be re-evaluated as future loads are added or if actual loads are found different from those mentioned in Table 1.

Should any questions arise concerning this report please contact the undersigned.


 Raphael Mohamed, P. Eng.
 Project Engineer

05-13-2002


 Calvin J. Payne, P.E.
 Chief Engineer



1 *Level 1 evaluation* means:
 • the applied (existing and proposed) loads (Table 1) on the tower are compared to the original design loads,
 • the design wind criteria is compared to the recent code requirements.

**CINGULAR WIRELESS
Antenna Modification**

Site Address: 160 Witch Meadow Road, Salem
TS-SCLP-121-000921 (10/2/00)

Tower Owner/Manager: SBA

Antenna configuration Antenna center line – 185'

Current and/or approved: 9 Allgon 7120.16

Planned: 9 CSS DUO4-8670 or comparable
6 tower mount amplifiers
3 diplexers
1 LMU (at 130')

Power Density:

Calculations for Cingular's current operations at the site indicate a radio frequency electromagnetic radiation power density, measured at the tower base, of approximately 3.4% of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density for Cingular's planned operations would be approximately 4.8%, or an additional 1.4% of the standard.

Cingular Current

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
SNET	185	880 - 894	19	100	0.0200	0.5867	3.4

Cingular Planned

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
SNET TDMA	185	880 - 894	16	100	0.0168	0.5867	2.9
SNET GSM	185	880 - 894	2	296	0.0062	0.5867	1.1
SNET GSM	185	1930 - 1935	2	427	0.0090	1.0000	0.9
Total							4.8%

Structural information: Please see attached.

CHAZEN ENGINEERING & LAND SURVEYING CO., P.C.

Dutchess County Office
Phone: (845) 454-3980

New England Office
Phone: (781) 556-1037

20 Gurley Avenue, Troy, New York 12182
Phone: (518) 235-8050 Fax: (518) 235-8051
Email: albany@chazencompanies.com

Orange County Office
Phone: (845) 567-1133

North Country Office
Phone: (518) 812-0513

June 26, 2002

Mr. Ed Dupont
SBA Network Services, Inc.
80 Eastern Boulevard
Glastonbury, CT 06033

Re: Structural Review of the Salem Witch Meadow Monopole
TCC Job Number: NE060.00
SBA Site No.: CT01916-S
Cingular Site No.: 2195

Dear Mr. Dupont:

As requested, The Chazen Companies (TCC) has performed a structural review of the above referenced monopole located at 160 Witch Meadow Road in the Town of Salem, New London County, Connecticut. Our review is based on existing and proposed antenna information as provided by SBA, original design document by Fred A. Nudd Corporation, and analysis and tower modification calculations by Semaan Engineering Solutions (Semaan), dated May 6, 2002.

TCC has reviewed the above mentioned design calculations to determine the areas and elevations of the original design antennas to calculate the design forces and resulting bending moments. TCC then determined the areas and elevations of the existing and proposed antennas, from the information provided by SBA, to calculate the applied forces and moments. By direct comparison, the moments due to the existing and proposed antennas were determined to be less than the original design antennas' moments. TCC's recommendations are based on the existing and proposed antennas being within the original design parameters. TCC has not completed a structural analysis of the stresses in the individual components of the monopole, the monopole base plate, anchor bolts, or foundation.

Based on our review, the monopole is 195 feet tall and was designed to support six (6) antenna arrays consisting of (12) DB896 Panel antennas at elevations of 195 feet, 185 feet, 175 feet, 165 feet, 155 feet, and 145 feet above ground level (AGL).

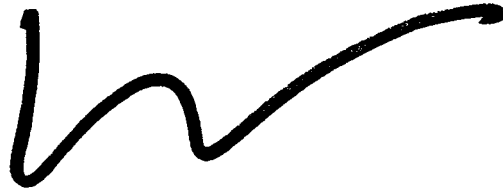
Information provided by SBA indicates that currently there are six (6) Decibel DB980H90 panel antennas for Sprint PCS, nine (9) Decibel DB846H80 panel antennas for Cingular, and a future installation of six (6) Decibel DB980H90 panel antennas for AT&T Wireless on the monopole. Cingular Wireless proposes to install nine (9) CSS DUO4-8670 panel antennas with six (6) ADC 850/1900 Cleargain tower mounted amplifiers and three (3) ADC 850/1900 Diplexers mounted directly behind the proposed antennas at an elevation of 185 feet AGL upon removal of their existing antennas. Cingular Wireless is also proposing to install one (1) Kathrein 738449 antenna at 130' AGL.

The analysis and modification calculations provided indicate that the monopole was designed for a basic wind speed of 85 mph and ½" radial ice with wind/ice reduction in accordance with ANSI/TIA/EIA-222-F *Structural Standards for Steel Antenna Towers and Antenna Supporting Structures*. Revision F of this standard is the newest revision, and thus meets or exceeds the requirements of the previous revision, which is referenced in the 1996 BOCA National Building Code. The Connecticut State Building Code requires that television and radio towers be designed in accordance with Section 3108.4 of the 1996 BOCA National Building Code. Therefore TCC can conclude that the monopole design meets or exceeds the Connecticut State Building Code.

Based upon this information, TCC has determined that the proposed Cingular installation can be added to the structure and does not exceed the original design parameters for the above referenced monopole. Our conclusion assumes that the monopole and foundation were constructed in accordance with all applicable local, state, and federal codes, the original design documents, and the tower modification package prepared by Semaan. However, TCC's review does not relieve the original or subsequent modification design engineer's responsibility for completeness or accuracy of work.

If you have any questions, or require any additional information please do not hesitate to contact this office.

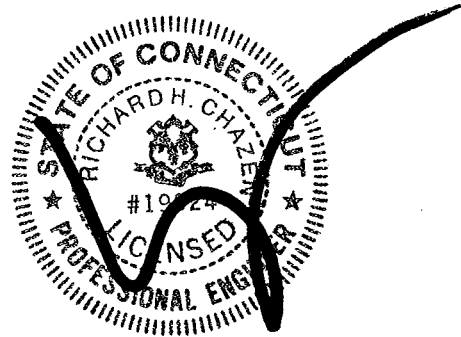
Sincerely,



Richard Chazen, P.E.
Principal

ksp/

cc: Kelly Libolt, TCC
Kelly Phillips, TCC
Tim O'Byrne, TCC
File



**CINGULAR WIRELESS
Antenna Modification**

Site Address: 300 Plain Hill Road, Norwich
tower share 2/16/00

Tower Owner/Manager: SBA

Antenna configuration Antenna center line – 142'

Current and/or approved: 12 panel antennas

Planned: 9 CSS DUO4-8670 or comparable
6 tower mount amplifiers
3 diplexers
1 LMU (at 125')

Power Density:

Calculations for Cingular's current operations at the site indicate a radio frequency electromagnetic radiation power density, measured at the tower base, of approximately 5.8% of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density for Cingular's planned operations would be approximately 8.2%, or an additional 2.4% of the standard.

Cingular Current

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
SNET	142	880 - 894	19	100	0.0339	0.5867	5.8

Cingular Planned

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
SNET TDMA	142	880 - 894	16	100	0.0285	0.5867	4.9
SNET GSM	142	880 - 894	2	296	0.0106	0.5867	1.8
SNET GSM	142	1930 - 1935	2	427	0.0152	1.0000	1.5
Total							8.2%

Structural information: Please see attached.

CHAZEN ENGINEERING & LAND SURVEYING Co., P.C.

Dutchess County Office
Phone: (845) 454-3980

New England Office
Phone: (781) 556-1037

20 Gurley Avenue, Troy, New York 12182
Phone: (518) 235-8050 Fax: (518) 235-8051
Email: albany@chazencompanies.com

Orange County Office
Phone: (845) 567-1133

North Country Office
Phone: (518) 812-0513

June 26, 2002

Mr. Ed Dupont
SBA Network Services, Inc.
80 Eastern Boulevard
Glastonbury, CT 06033

Re: Structural Review of the Norwich Monopole
TCC Job Number: NE058.00
SBA Site No.: CT01365-S
Cingular Site No.: 2026

Dear Mr. Dupont:

As requested, The Chazen Companies (TCC) has performed a structural review of the above referenced monopole located at 300 Plain Hill Road in the Town of Norwich, New London County, Connecticut. Our review is based on existing and proposed antenna information as provided by SBA and design calculations by Valmont Microflex, dated May 26, 1998.

TCC has reviewed the above mentioned design calculations to determine the areas and elevations of the original design antennas to calculate the forces and moments. TCC then determined the areas and elevations of the existing and proposed antennas from the information provided by SBA, again to calculate the forces and moments. The moments due to the existing and proposed antennas were then compared to the original design antennas moments. TCC's recommendations are based on the existing and proposed antennas being within the original design parameters. TCC has not completed a structural analysis of the stresses in the individual components of the monopole, the monopole base plate, anchor bolts, or foundation.

Based on our review, the monopole is 180 feet tall and was designed to support five (5) antenna arrays consisting of (12) DB896 Panel antennas at elevations of 177 feet, 170 feet, 160 feet, 150 feet, and 140 feet above ground level (AGL).

Information provided by SBA indicates that currently there are six (6) Decibel DB980F65T2E panel antennas for Sprint PCS, nine (9) Swedcom ALP9212 panel antennas for Nextel, twelve (12) Decibel DB844H80 panel antennas for Verizon Wireless, nine (9) Allgon 7120.16 panel antennas for Cingular, and three (3) Allgon 7250.03 panel antennas for AT&T on the monopole. In addition, AT&T has a planned installation of nine (9) Allgon 7250.03 panel antennas at the same elevation as their existing antenna array. Cingular Wireless proposes to install nine (9) CSS DUO4-8670 panel antennas with six (6) ADC 850/1900 Cleargain tower mounted amplifiers and three (3) ADC 850/1900 Diplexers mounted directly behind the proposed antennas at an elevation of 142 feet AGL upon removal of their existing antennas. Cingular Wireless is also proposing to install one (1) Kathrein 738449 antenna at 125' AGL.

The design drawings provided indicate that the monopole was designed for a basic wind speed of 85 mph and ½" radial ice with wind/ice reduction in accordance with ANSI/TIA/EIA-222-F *Structural Standards for Steel Antenna Towers and Antenna Supporting Structures*. Revision F of this standard is the newest revision, and thus meets or exceeds the requirements of the previous revision, which is referenced in the 1996 BOCA National Building Code. The Connecticut State Building Code requires that television and radio towers be designed in accordance with Section 3108.4 of the 1996 BOCA National Building Code. Therefore TCC can conclude that the monopole design meets or exceeds the Connecticut State Building Code.

Based upon this information, TCC has determined that the proposed Cingular installation can be added to the structure and does not exceed the original design parameters for the above referenced monopole. Our conclusion assumes that the monopole and foundation were constructed in accordance with all applicable local, state, and federal codes, and the original design documents. However, TCC's review does not relieve the original design engineer's responsibility for completeness or accuracy of work.

If you have any questions, or require any additional information please do not hesitate to contact this office.

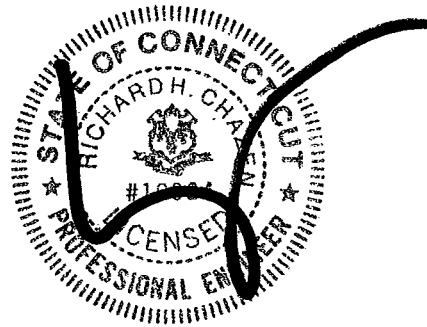
Sincerely,



Richard Chazen, P.E.
Principal

ksp/

cc: Kelly Libolt, TCC
Kelly Phillips, TCC
Tim O'Byrne, TCC
File



**CINGULAR WIRELESS
Antenna Modification**

Site Address: 20 Mel Road, Lisbon
Docket No. 124

Tower Owner/Manager: Springwich Cellular Limited Partnership;
managed by SpectraSite Communications, Inc.

Antenna configuration Antenna center line – 187'

Current and/or approved: 12 ALP 110 11 or comparable

Planned: 9 DUO4-8670 or comparable
6 tower mount amplifiers
1 LMU (at 46.5')

Power Density:

Calculations for Cingular's current operations at the site indicate a radio frequency electromagnetic radiation power density, measured at the tower base, of approximately 3.3% of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density for Cingular's planned operations would be approximately 4.7%, or an additional 1.4% of the standard.

Cingular Current

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
SNET	187	880 - 894	19	100	0.0195	0.5867	3.3

Cingular Planned

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
SNET TDMA	187	880 - 894	16	100	0.0165	0.5867	2.8
SNET GSM	187	880 - 894	2	296	0.0061	0.5867	1.0
SNET GSM	187	1930 - 1935	2	427	0.0088	1.0000	0.9
Total							4.7%

Structural information: Please see attached.



RE: CT-0039 [Lisbon]
 Structural Evaluation of 186' Monopole
 20 Mel Road
 Lisbon, CT 06351
 New London County

Date: May 22, 2002

SpectraSite Engineering has performed a *Level 1 evaluation*¹ for the above-noted tower. The evaluation was based on the requirements of TIA/EIA-222-F Standards for a basic wind speed of **85 mph** without ice and 75% of the wind load with 1/2" radial ice.

Table 1. Existing and Proposed Antennas

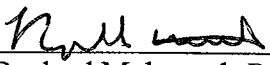
ELEVATION (Ft-AGL)	ANTENNA	CARRIER	COAX*	NOTES
192 189 187	(1) 6' Omni (1) 2' Yagi (9) Swedcom ALP11011 on Platform Mount with Handrails	Cingular	(1) TBD (1) TBD (9) 1-1/4"	Remove Existing
192 189 187 187	(1) 6' Omni (1) 2' Yagi (9) CSS DUO4-8670 (6) CSS ADC Amplifiers on Platform Mount with Handrails	Cingular	(1) TBD (1) TBD (9) 1-1/4"	Proposed Replacement
46.5	(1) Nokia CS72187.01 on Standoff Mount	Cingular	(1) 1/2"	Proposed

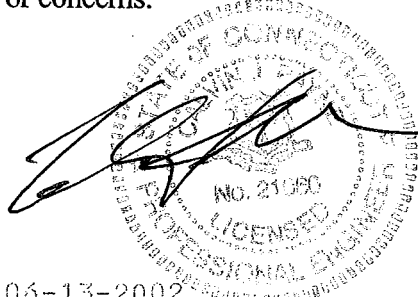
*Coax installed inside monopole.

The subject tower, and it's foundation, are *adequate* to support the above stated loads and *in conformance* with the requirements of TIA/EIA-222-F Standard.

The tower should be re-evaluated as future loads are added or if actual loads are found different from those mentioned in Table 1.

Please do not hesitate to give me a call if you have any questions or concerns.


 Raphael Mohamed, P. Eng.
 Project Engineer


 06-13-2002
 Calvin J. Payne, P.E.
 Chief Engineer

1: Level 1 evaluation means:
 • the applied (existing and proposed) loads (Table 1) on the tower are compared to the original design loads,
 • the design wind criteria is compared to the recent code requirements.

**CINGULAR WIRELESS
Antenna Modification**

Site Address: Green Hollow Road, Plainfield
TS-SCLP-109-981222 (1/8/99)

Tower Owner/Manager: SBA

Antenna configuration Antenna center line – 155'

Current and/or approved: 12 ALP 110 11 or comparable

Planned:
9 DUO4-8670 or comparable
6 tower mount amplifiers
3 diplexers
1 LMU (at 106')

Power Density:

Calculations for Cingular's current operations at the site indicate a radio frequency electromagnetic radiation power density, measured at the tower base, of approximately 4.8% of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density for Cingular's planned operations would be approximately 6.9%, or an additional 2.1% of the standard.

Cingular Current

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
SNET	155	880 - 894	19	100	0.0284	0.5867	4.8

Cingular Planned

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
SNET TDMA	155	880 - 894	16	100	0.0239	0.5867	4.1
SNET GSM	155	880 - 894	2	296	0.0089	0.5867	1.5
SNET GSM	155	1930 - 1935	2	427	0.0128	1.0000	1.3
Total							6.9%

Structural information: Please see attached.