STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@po.state.ct.us
Web Site: www.state.ct.us/csc/index.htm

February 20, 2002

Christopher B. Fisher, Esq.
Cuddy & Feder & Worby LLP
90 Maple Avenue
White Plains, NY 10601-5196

RE: **EM-AT&T-097-107-117-130-148-156-161-164-020124** - AT&T Wireless notice of intent to modify existing telecommunications facilities located in Newtown, West Haven, Orange, Redding, Windsor, Wilton, Southbury, and Wallingford, Connecticut.

Dear Attorney Fisher:

At a public meeting held on February 14, 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 January 23, 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 existing facility sites that would not increase tower height, extend the boundaries of tower sites, increase noise levels at any tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power densities 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/RM/laf

c: See attached list.

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Honorable Paul F. Hannah, Jr., First Selectman, Town of Wilton
Wendy Johnston, Town Planner, Town of Wilton
Honorable Mary Hogan, Mayor, Town of Windsor
Mario Zavarella, Town Planner, Town of Windsor
R. Leon Churchill, Jr., Town Manager, Town of Windsor
Honorable Natalie T. Ketcham, First Selectman, Town of Redding
Aimee Pardee, Zoning Enforcement Officer, Town of Redding
Honorable Mitchell R. Goldblatt, First Selectman, Town of Orange
Paul Dinice, Zoning Enforcement Officer, Town of Orange
Honorable William W. Dickinson, Jr., Mayor, Town of Wallingford
Linda Bush, Town Planner, Town of Wallingford
Honorable Mark A.R. Cooper, First Selectman, Town of Southbury
Mark D. Cody, Zoning Enforcement Officer, Town of Southbury
Honorable H. Richard Borer, Jr., Mayor, City of West Haven
James Hill, City Planner, City of West Haven
Honorable Herbert C. Rosenthal, First Selectman, Town of Newtown
Gary Frenette, Zoning Enforcement Officer, Town of Newtown

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February 5, 2002

Honorable Herbert C. Rosenthal
First Selectman
Town of Newtown
Town Hall
45 Main Street
Newtown, CT 06470

RE: **EM-AT&T-097-107-117-130-148-156-161-164-020124** - AT&T Wireless notice of intent to modify existing telecommunications facilities located at twelve sites throughout the State of Connecticut.

Dear Mr. Rosenthal:

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 February 14, 2002 , at 1:30 p.m. in Hearing Room One, 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: Gary Frenette, Zoning Enforcement Officer, Town of Newtown

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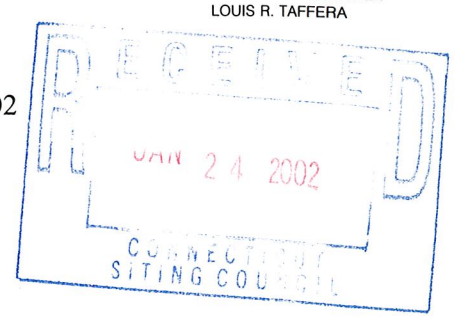

January 23, 2002

VIA FEDERAL EXPRESS
Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: AT&T Wireless Notice of Exempt Modification
5 Fairfield Drive and 20 Barnabas Road, Newtown, Connecticut
1 Burwell Road, West Haven, Connecticut
1800 Ogg Meadow Road, Orange, Connecticut
100 Old Redding Road, Redding, Connecticut
440 Hayden Station Road, Windsor, Connecticut
128 Mather Street, Wilton, Connecticut
1432 Old Waterbury Road and Russian Village Road, Southbury, Connecticut
Northrup Road, Wallingford and 945 East Center Road, Wallingford
and 316 Woodhouse Avenue, Wallingford, Connecticut

Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

On behalf of AT&T Wireless, we respectfully enclose an original and twenty copies of its notice of exempt modification with respect to the above mentioned facilities together with a check in the amount of $500.00. We would appreciate it if these matters were placed on the next available agenda for acknowledgment by the Council. Should the Council or staff have any questions regarding this matter, please do not hesitate to contact us.

Very truly yours,

Linda Grant

cc: Christopher B. Fisher, Esq.

C&F&W:

CUDDY & FEDER & WORBY LLP

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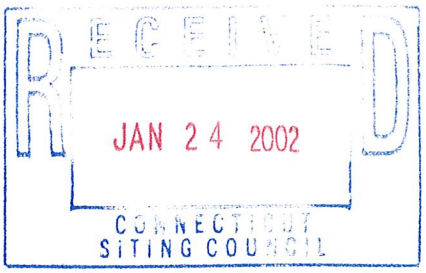
January 23, 2002

VIA FEDERAL EXPRESS
Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051



Re: AT&T Wireless - EM-AT&T-097-001106
20 Barnabas Road, Newtown, Connecticut
Notice of Further Exempt Modification

Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

Connecticut Light and Power Company ("CL&P") holds the Siting Council certificate for the existing communications tower and related facility located at 20 Barnabas Road, Newtown, Connecticut (Docket No. 144). On November 14, 2000 AT&T Wireless ("AT&T"), received the Council's acknowledgement of a notice to modify the existing facility pursuant to Section 16-50j-72 of the Regulations of Connecticut State Agencies (EM-AT&T-097-001106) permitting AT&T to install up to twelve (12) panel antennas at the 136' level on the existing tower, with an associated equipment shelter located within the fenced compound.

This notice of further exempt modification is also being provided pursuant to Section 16-50j-72 of the Council's regulations. AT&T will be installing additional equipment within the existing shelter at the facility. There will be no other infrastructure changes to AT&T's facility.

The proposed addition of equipment to AT&T Wireless' facility does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d). The proposed addition to AT&T Wireless' facility will not result in an increase in the

Tower's height or extend the boundaries of the existing fenced area surrounding the Tower. Further, there will be no increase in noise levels by six (6) decibels or more at the Tower site's boundary. AT&T has made measurements of the existing facility to confirm compliance with MPE limits and as set forth in a report prepared by Wireless Facilities, Inc., annexed hereto, the total radio frequency electromagnetic radiation power density at the Tower site's boundary will not be increased to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes. For all the foregoing reasons, addition of AT&T Wireless' equipment to its existing facility constitutes an exempt modification which will not have a substantially adverse environmental effect.

AT&T Wireless respectfully submits that the proposed addition of equipment to the Barnabas Road Facility meets the Council's exemption criteria and requests an acknowledgment of same.

Respectfully Submitted,

Christopher B. Fisher, Esq.
On behalf of AT&T Wireless

cc: First Selectman, Town of Newtown
Darryl Hendrickson, Bechtel Telecommunications

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IN TELECOM OUTSOURCING

Wireless Facilities, Inc.
1840 Michael Faraday Drive
Suite 200
Reston, VA 20190

December 20th, 2001

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

RE: FCC Compliance Statement for AT&T Site CT-178 (Newtown-Hawleyville)

Dear Mr. Gelston:

On behalf of AT&T Wireless, Wireless Facilities Inc. has performed in-field RF measurements and office analyses for the above referenced site to determine compliance with FCC mandated Maximum Permissible Exposure (MPE) limits as defined in 47 CFR § 1.1310.

The table below gives a brief summary of the site location, its configuration and associated technical parameters.

Summary of the site configuration and technical parameters:

Site ID	CT-178
Site Name	Newtown-Hawleyville
Latitude	41.42777
Longitude	-73.34388
Address of structure	20 Barnabas Rd Newtown, CT 06470
Type of structure	Lattice Tower
Antenna structure owner	AT&T Wireless services
Address of antenna owner	333 Crossways Park Dr Woodbury, NY 11797
FCC class and Type of service	PCS TDMA (IS-136) PCS GSM
Operating frequency	D, E bands (PCS)
Azimuths	0,120,240
Elevation (ft)	136
Antenna manufacturer	EMS
Antenna type	Panel

The mathematical equations used in evaluating the power density values are exactly as outlined in the Office of Engineering & Technology (OET) Bulletin Number 65 which contains the FCC guidelines for evaluating human exposure to radio-frequency electromagnetic fields.

In the case of a single radiating antenna, a prediction for power density in the far field of the antenna can be written as:

$$S = \frac{EIRP}{4\pi D^2} = \frac{1.64 * ERP}{4\pi D^2}$$

Where: S = Power density in W/m^2
EIRP = Effective isotropic radiated power (W)
ERP = Effective radiated power (W)
D = Distance in meters

Using the EPA's recommended factor of 1.6 for 100 % reflection, the worst case power density can be obtained by incorporating this factor into the above equation. If the distance, D, is in meters, the ERP is in Watts, then the worst case power density in $\mu W/cm^2$ is given by

$$S = \frac{33.4 * ERP}{D^2}$$ (Section 2, OET bulletin 65).

Where: S = Power density in $\mu W/cm^2$
ERP = Effective radiated power (W)
D = Distance in meters

WFI's analysis considered both the current configuration as well as the future GSM deployment AT&T is proposing. For the current configuration, both in-field measurements and a predictive analysis tool were used to determine compliance. For the future deployment, only a predictive analysis was performed. The maximum worst-case values of the power density for this analysis are outlined below:

Configuration	**Point of Worst Case Predicted Level**	**Predicted Value $\mu W/cm^2$**	**Maximum Limit for PCS Band Uncontrolled Environment Set by FCC $\mu W/cm^2$**	**% of the Standard**
Current PCS TDMA configuration	1400 feet away in front of the antenna	0.42	1000	0.042
Future PCS TDMA and GSM configuration	1400 feet away in front of the antenna	0.57	1000	0.057

In addition to predictive analysis, on-site data was recorded at different locations around the Lattice tower. In all areas, less than 0.06 % of the MPE for public/uncontrolled limits was recorded. The reason the actual measurements are slightly higher than the predicted values is because the actual measurements include emissions from all the existing carriers at that site while the theoretical study focused on the level of emissions contributed by AT&T only.

On-site measuring point	**Worst Case Measured Value μW/cm²**	**Maximum Limit for PCS Band Uncontrolled Environment Set by FCC μW/cm²**	**% of the Standard**
50 meters in front of sector 1	0.52	1000	0.052
40 meters in front of sector 2	0.58	1000	0.058
50 meters in front of sector 3	0.46	1000	0.046

The results of these analyses indicate that output power levels for the AT&T owned equipment deployed at the above referenced facility meets FCC approved exposure limits for all uncontrolled areas where general population exposure may exist. Thus, the maximum level of RF radiation in all uncontrolled areas (Assuming a worst case scenario and a 100 % duty cycle for all the transmitters.) is less than 0.06 % of the maximum permissible exposure limit mandated by the FCC and endorsed by the NCRP and ANSI/IEEE.

To the best of my knowledge, the statements made and information disclosed in this study are complete and accurate.

Sincerely,
Wireless Facilities, Inc.

Dan Hardiman
Senior Engineer II
Fixed Network Engineering

CUDDY & FEDER & WORBY LLP

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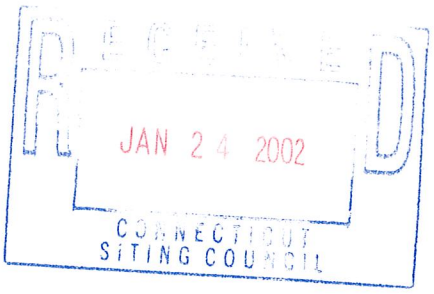
January 23, 2002

VIA FEDERAL EXPRESS
Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051



Re: AT&T Wireless - EM-SCLP-097-000807
5 Fairfield Drive, Newtown, Connecticut
Notice of Further Exempt Modification

Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

Springwich Cellular Limited Partnership holds the Siting Council certificate for the existing communications tower and related facility located at 5 Fairfield Drive, Newtown, Connecticut (Docket No. 75). On August 31, 2000 Springwich Cellular Limited Partnership, on behalf of AT&T Wireless ("AT&T"), received the Council's acknowledgement of a notice to modify the existing facility pursuant to Section 16-50j-72 of the Regulations of Connecticut State Agencies (EM- SCLP-097-000807) permitting AT&T to install panel antennas at the 130' level on the existing tower, with an associated equipment shelter located within the fenced compound.

This notice of further exempt modification is also being provided pursuant to Section 16-50j-72 of the Council's regulations. AT&T will be installing additional equipment within the existing shelter at the facility. There will be no other infrastructure changes to AT&T's facility.

The proposed addition of equipment to AT&T Wireless' facility does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d). The proposed addition to AT&T Wireless' facility will not result in an increase in the

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Wireless Facilities, Inc.
1840 Michael Faraday Drive
Suite 200
Reston, VA 20190

January 2, 2002

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

RE: FCC Compliance Statement for AT&T Site CT-177 (Newtown West SNET)

Dear Mr. Gelston:

On behalf of AT&T Wireless, Wireless Facilities Inc. has performed in-field RF measurements and office analyses for the above referenced site to determine compliance with FCC mandated Maximum Permissible Exposure (MPE) limits as defined in 47 CFR § 1.1310.

The table below gives a brief summary of the site location, its configuration and associated technical parameters.

Summary of the site configuration and technical parameters:

Site ID	CT-177
Site Name	Newtown West-SNET
Latitude	41.42555
Longitude	-73.37444
Address of structure	5 Fairfield Drive Newtown, CT 06470
Type of structure	Monopole
Antenna structure owner	AT&T
Address of antenna owner	15 East Midland AVE Paramus, NJ 07652
FCC class and Type of service	PCS TDMA (IS-136), PCS GSM
Operating frequency	D, E bands (PCS)
Azimuths	0,110,240
Elevation (ft)	130
Antenna manufacturer	Allgon
Antenna type	Panel

The mathematical equations used in evaluating the power density values are exactly as outlined in the Office of Engineering & Technology (OET) Bulletin Number 65 which contains the FCC guidelines for evaluating human exposure to radio-frequency electromagnetic fields.

In the case of a single radiating antenna, a prediction for power density in the far field of the antenna can be written as:

$$S = \frac{EIRP}{4\pi D^2} = \frac{1.64 * ERP}{4\pi D^2}$$

Where: S = Power density in W/m^2
EIRP = Effective isotropic radiated power (W)
ERP = Effective radiated power (W)
D = Distance in meters

Using the EPA's recommended factor of 1.6 for 100 % reflection, the worst case power density can be obtained by incorporating this factor into the above equation. If the distance, D, is in meters, the ERP is in Watts, then the worst case power density in $\mu W/cm^2$ is given by

$$S = \frac{33.4 * ERP}{D^2}$$ (Section 2, OET bulletin 65).

Where: S = Power density in $\mu W/cm^2$
ERP = Effective radiated power (W)
D = Distance in meters

WFI's analysis considered both the current configuration as well as the future GSM deployment AT&T is proposing. For the current configuration, both in-field measurements and a predictive analysis tool were used to determine compliance. For the future deployment, only a predictive analysis was performed. The maximum worst-case values of the power density for this analysis are outlined below:

Configuration	**Point of Worst Case Predicted Level**	**Predicted Value $\mu W/cm^2$**	**Maximum Limit for PCS Band Uncontrolled Environment Set by FCC $\mu W/cm^2$**	**% of the Standard**
Current PCS TDMA configuration	290 feet away in front of the antenna	0.82	1000	0.08
Future PCS TDMA and GSM configuration	290 feet away in front of the antenna	1.10	1000	0.11

In addition to predictive analysis, on-site data was recorded at different locations around the monopole. In all areas, less than or equal to 1.65 % of the MPE for public/uncontrolled limits was recorded. The reason the actual measurements are higher than the predicted values is because the actual measurements include emissions from the other carriers at that site while the theoretical study focused on the level of emissions contributed by AT&T only.

On-site measuring point	**Worst Case Measured Value μW/cm²**	**Maximum Limit for PCS Band Uncontrolled Environment Set by FCC μW/cm²**	**% of the Standard**
5 meters in front of sector 1	1.87	1000	0.187
30 meters in front of sector 2	16.5	1000	1.65
40 meters in front of sector 3	4.65	1000	0.465

The results of these analyses indicate that output power levels for the AT&T owned equipment deployed at the above referenced facility meets FCC approved exposure limits for all uncontrolled areas where general population exposure may exist. Thus, the maximum level of RF radiation in all uncontrolled areas (Assuming a worst case scenario and a 100 % duty cycle for all the transmitters.) is less than or equal to 1.65 % of the maximum permissible exposure limit mandated by the FCC and endorsed by the NCRP and ANSI/IEEE.

To the best of my knowledge, the statements made and information disclosed in this study are complete and accurate.

Sincerely,
Wireless Facilities, Inc.

Dan Hardiman
Senior Engineer II
Fixed Network Engineering

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February 5, 2002

Honorable Mitchell R. Goldblatt
First Selectman
Town of Orange
Town Hall
617 Orange Center Road
Orange, CT 06477-2423

RE: **EM-AT&T-097-107-117-130-148-156-161-164-020124** - AT&T Wireless notice of intent to modify existing telecommunications facilities located at twelve sites throughout the State of Connecticut.

Dear Mr. Goldblatt:

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 February 14, 2002 , at 1:30 p.m. in Hearing Room One, 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: Paul Dinice, Zoning Enforcement Officer, Town of Orange

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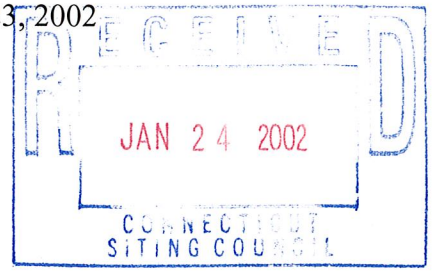
LOUIS R. TAFFERA

January 23, 2002



VIA FEDERAL EXPRESS
Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: AT&T Wireless - Petition No. 436
1800 Ogg Meadow Road, Orange, Connecticut
Notice of Exempt Modification

Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

Crown Atlantic Company LLC ("Crown") holds the Siting Council certificate for the existing communications tower and related facility located at off Ogg Meadow Road, Orange, Connecticut (Docket No. 177A). On October 21, 1999 Crown, on behalf of AT&T Wireless ("AT&T"), received a ruling from the Council that AT&T's proposed shared use of the existing facility complied with Section 16-50aa of the Regulations of Connecticut State Agencies (Petition No. 436) permitting AT&T to install three (3) panel antennas on a pipe mounted to the top of the tower, with an associated equipment shelter located within the fenced compound.

This notice of exempt modification is being provided pursuant to Section 16-50j-72 of the Council's regulations. AT&T will be installing additional equipment within the existing shelter at the facility. There will be no other infrastructure changes to AT&T's facility.

The proposed addition of equipment to AT&T Wireless' facility does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d). The proposed addition to AT&T Wireless' facility will not result in an increase in the Tower's height or extend the boundaries of the existing fenced area surrounding the Tower.

C&F&W:

Further, there will be no increase in noise levels by six (6) decibels or more at the Tower site's boundary. AT&T has made measurements of the existing facility to confirm compliance with MPE limits and as set forth in a report prepared by Wireless Facilities, Inc., annexed hereto, the total radio frequency electromagnetic radiation power density at the Tower site's boundary will not be increased to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes. For all the foregoing reasons, addition of AT&T Wireless' equipment to its existing facility constitutes an exempt modification which will not have a substantially adverse environmental effect.

AT&T Wireless respectfully submits that the proposed addition of equipment to the Ogg Meadow Road Facility meets the Council's exemption criteria and requests an acknowledgment of same.

Respectfully Submitted,

Christopher B. Fisher, Esq.
On behalf of AT&T Wireless

cc: First Selectman, Town of Orange
Darryl Hendrickson, Bechtel Telecommunications
Kenneth C. Baldwin, Robinson & Cole

the global leader
IN TELECOM OUTSOURCING

Wireless Facilities, Inc.
1840 Michael Faraday Drive
Suite 200
Reston, VA 20190

December 19, 2001

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

RE: FCC Compliance Statement for AT&T Site CT-161 (Orange North Crown Atlantic monopole)

Dear Mr. Gelston:

On behalf of AT&T Wireless, Wireless Facilities Inc. has performed in-field RF measurements and office analyses for the above referenced site to determine compliance with FCC mandated Maximum Permissible Exposure (MPE) limits as defined in 47 CFR § 1.1310.

The table below gives a brief summary of the site location, its configuration and associated technical parameters.

Summary of the site configuration and technical parameters:

Site ID	CT-161
Site Name	Orange Crown Atlantic Monopole
Latitude	41.30777
Longitude	-73.03277
Owner of the structure	Crown
Address of structure	1800 Ogg Meadow rd Orange, CT
Type of structure	Monopole
Antenna structure owner	AT&T Wireless services
Address of antenna owner	149 Water street, Norwalk, CT
FCC class and Type of service	PCS TDMA (IS-136)
Operating frequency	D, E bands (PCS)
Azimuths	60,180,300
Elevation (ft)	170
Antenna manufacturer	EMS Wireless
Antenna type	Panel

The mathematical equations used in evaluating the power density values are exactly as outlined in the Office of Engineering & Technology (OET) Bulletin Number 65 which contains the FCC guidelines for evaluating human exposure to radio-frequency electromagnetic fields.

In the case of a single radiating antenna, a prediction for power density in the far field of the antenna can be written as:

$$S = \frac{EIRP}{4\pi D^2} = \frac{1.64 * ERP}{4\pi D^2}$$

Where: S = Power density in W/m^2
EIRP = Effective isotropic radiated power (W)
ERP = Effective radiated power (W)
D = Distance in meters

Using the EPA's recommended factor of 1.6 for 100 % reflection, the worst case power density can be obtained by incorporating this factor into the above equation. If the distance, D, is in meters, the ERP is in Watts, then the worst case power density in $\mu W/cm^2$ is given by

$$S = \frac{33.4 * ERP}{D^2}$$ (Section 2, OET bulletin 65).

Where: S = Power density in $\mu W/cm^2$
ERP = Effective radiated power (W)
D = Distance in meters

WFI's analysis considered both the current configuration as well as the future GSM deployment AT&T is proposing. For the current configuration, both in-field measurements and a predictive analysis tool were used to determine compliance. For the future deployment, only a predictive analysis was performed. The maximum worst-case values of the power density for this analysis are outlined below:

Configuration	**Point of Worst Case Predicted Level**	**Predicted Value $\mu W/cm^2$**	**Maximum Limit for PCS Band Uncontrolled Environment Set by FCC $\mu W/cm^2$**	**% of the Standard**
Current PCS TDMA configuration	120 feet away in front of the antenna	0.38	1000	0.04
Future PCS TDMA and GSM configuration	120 feet away in front of the antenna	0.45	1000	0.05

In addition to predictive analysis, on-site data was recorded at different locations around the monopole. In all areas, less than 1.5 % of the MPE for public/uncontrolled limits was recorded. The reason the actual measurements are higher than the predicted values is because the actual measurements include emissions from the other carriers at that site while the theoretical study focused on the level of emissions contributed by AT&T only.

On-site measuring point	Worst Case Measured Value μW/cm²	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC μW/cm²	% of the Standard
50 meters in front of sector 1	10	1000	1
50 meters in front of sector 2	12	1000	1.2
40 meters in front of sector 3	15	1000	1.5

The results of these analyses indicate that output power levels for the AT&T owned equipment deployed at the above referenced facility meets FCC approved exposure limits for all uncontrolled areas where general population exposure may exist. Thus, the maximum level of RF radiation in all uncontrolled areas (Assuming a worst case scenario and a 100 % duty cycle for all the transmitters.) is less than 1.5 % of the maximum permissible exposure limit mandated by the FCC and endorsed by the NCRP and ANSI/IEEE.

To the best of my knowledge, the statements made and information disclosed in this study are complete and accurate.

Sincerely,
Wireless Facilities, Inc.

Dan Hardiman
Senior Engineer II
Fixed Network Engineering

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL
Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@po.state.ct.us
Web Site: www.state.ct.us/csc/index.htm

February 5, 2002

Honorable Natalie T. Ketcham
First Selectman
Town of Redding
Town Office Building
100 Hill Road
P.O. Box 1028
Redding, CT 06875

RE: **EM-AT&T-097-107-117-130-148-156-161-164-020124** - AT&T Wireless notice of intent to modify existing telecommunications facilities located at twelve sites throughout the State of Connecticut.

Dear Ms. Ketcham:

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 February 14, 2002 , at 1:30 p.m. in Hearing Room One, 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: Aimee Pardee, Zoning Enforcement Officer, Town of Redding

CUDDY & FEDER & WORBY LLP

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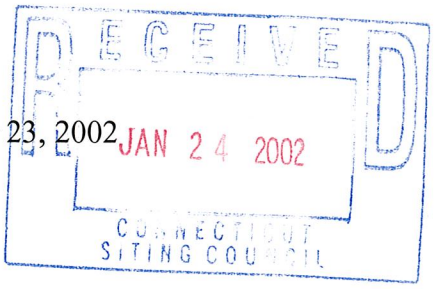

January 23, 2002

VIA FEDERAL EXPRESS
Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: AT&T Wireless - EM-SCLP-117-000320
100 Old Redding Road, Redding, Connecticut
Notice of Further Exempt Modification

Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

Springwich Cellular Limited Partnership holds the Siting Council certificate for the existing communications tower and related facility located at 100 Old Redding Road, Redding, Connecticut (Docket No. 167). On April 17, 2000 Springwich Cellular Limited Partnership, on behalf of AT&T Wireless ("AT&T"), received the Council's acknowledgement of a notice to modify the existing facility pursuant to Section 16-50j-72 of the Regulations of Connecticut State Agencies (EM- SCLP-117-000320) permitting AT&T to install up to twelve (12) panel antennas at the 143' level on the existing tower, with an associated equipment shelter located within the fenced compound.

This notice of further exempt modification is also being provided pursuant to Section 16-50j-72 of the Council's regulations. AT&T will be installing additional equipment within the existing shelter at the facility. There will be no other infrastructure changes to AT&T's facility.

The proposed addition of equipment to AT&T Wireless' facility does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes Section 16-

50i(d). The proposed addition to AT&T Wireless' facility will not result in an increase in the Tower's height or extend the boundaries of the existing fenced area surrounding the Tower. Further, there will be no increase in noise levels by six (6) decibels or more at the Tower site's boundary. AT&T made measurements of the existing facility to confirm compliance with MPE limits and as set forth in a report prepared by Wireless Facilities, Inc., annexed hereto, the total radio frequency electromagnetic radiation power density at the Tower site's boundary will not be increased to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes. For all the foregoing reasons, addition of AT&T Wireless' equipment to its existing facility constitutes an exempt modification which will not have a substantially adverse environmental effect.

AT&T Wireless respectfully submits that the proposed addition of the equipment to the Old Redding Road Facility meets the Council's exemption criteria and requests an acknowledgment of same.

Respectfully Submitted,

Christopher B. Fisher, Esq.
On behalf of AT&T Wireless

cc: First Selectman, Town of Redding
Darryl Hendrickson, Bechtel Telecommunications
Peter W. Van Wilgen, Springwich Cellular LP

the global leader
IN TELECOM OUTSOURCING

Wireless Facilities, Inc.
1840 Michael Faraday Drive
Suite 200
Reston, VA 20190

December 19, 2001

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

RE: FCC Compliance Statement for AT&T Site CT-067 (Redding West-Branchville)

Dear Mr. Gelston:

On behalf of AT&T Wireless, Wireless Facilities Inc. has performed in-field RF measurements and office analyses for the above referenced site to determine compliance with FCC mandated Maximum Permissible Exposure (MPE) limits as defined in 47 CFR § 1.1310.

The table below gives a brief summary of the site location, its configuration and associated technical parameters.

Summary of the site configuration and technical parameters:

Site ID	CT-067
Site Name	Redding West-Branchville
Latitude	41.28722
Longitude	-73.43777
Address of structure	Old Redding Road, Redding, CT
Type of structure	Lattice tower
Antenna structure owner	AT&T Wireless services
Address of antenna owner	149 Water street Norwalk, CT
FCC class and Type of service	PCS TDMA (IS-136)
Operating frequency	D, E bands (PCS)
Azimuths	65,200,300
Elevation (ft)	143
Antenna manufacturer	EMS Wireless
Antenna type	Panel

The mathematical equations used in evaluating the power density values are exactly as outlined in the Office of Engineering & Technology (OET) Bulletin Number 65 which contains the FCC guidelines for evaluating human exposure to radio-frequency electromagnetic fields.

In the case of a single radiating antenna, a prediction for power density in the far field of the antenna can be written as:

$$S = \frac{EIRP}{4\pi D^2} = \frac{1.64 * ERP}{4\pi D^2}$$

Where: S = Power density in W/m^2
EIRP = Effective isotropic radiated power (W)
ERP = Effective radiated power (W)
D = Distance in meters

Using the EPA's recommended factor of 1.6 for 100 % reflection, the worst case power density can be obtained by incorporating this factor into the above equation. If the distance, D, is in meters, the ERP is in Watts, then the worst case power density in $\mu W/cm^2$ is given by

$$S = \frac{33.4 * ERP}{D^2}$$ (Section 2, OET bulletin 65).

Where: S = Power density in $\mu W/cm^2$
ERP = Effective radiated power (W)
D = Distance in meters

WFI's analysis considered both the current configuration as well as the future GSM deployment AT&T is proposing. For the current configuration, both in-field measurements and a predictive analysis tool were used to determine compliance. For the future deployment, only a predictive analysis was performed. The maximum worst-case values of the power density for this analysis are outlined below:

Configuration	Point of Worst Case Predicted Level	Predicted Value $\mu W/cm^2$	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC $\mu W/cm^2$	% of the Standard
Current PCS TDMA configuration	1500 feet away in front of the antenna	0.37	1000	0.04
Future PCS TDMA and GSM configuration	1500 feet away in front of the antenna	0.49	1000	0.05

In addition to predictive analysis, on-site data was recorded at different locations around the Lattice tower. In all areas, less than 1.75 % of the MPE for public/uncontrolled limits was recorded. The reason the actual measurements are higher than the predicted values is because the actual measurements include emissions from all the existing carriers at that site while the theoretical study focused on the level of emissions contributed by AT&T only.

On-site measuring point	Worst Case Measured Value μW/cm²	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC μW/cm²	% of the Standard
15 meters in front of sector 1	17.5	1000	1.75
35 meters in front of sector 2	14	1000	1.4
40 meters in front of sector 3	6.6	1000	0.66

The results of these analyses indicate that output power levels for the AT&T owned equipment deployed at the above referenced facility meets FCC approved exposure limits for all uncontrolled areas where general population exposure may exist. Thus, the maximum level of RF radiation in all uncontrolled areas (Assuming a worst case scenario and a 100 % duty cycle for all the transmitters.) is less than 1.75 % of the maximum permissible exposure limit mandated by the FCC and endorsed by the NCRP and ANSI/IEEE.

To the best of my knowledge, the statements made and information disclosed in this study are complete and accurate.

Sincerely,
Wireless Facilities, Inc.

Dan Hardiman
Senior Engineer II
Fixed Network Engineering

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL
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Web Site: www.state.ct.us/csc/index.htm

February 5, 2002

Honorable Mark A. R. Cooper
First Selectman
Town of Southbury
Town Hall
501 Main Street South
Southbury, CT 06488-2295

RE: **EM-AT&T-097-107-117-130-148-156-161-164-020124** - AT&T Wireless notice of intent to modify existing telecommunications facilities located at twelve sites throughout the State of Connecticut.

Dear Mr. Cooper:

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 February 14, 2002 , at 1:30 p.m. in Hearing Room One, 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: Mark D. Cody, Zoning Enforcement Officer, Town of Southbury

CUDDY & FEDER & WORBY LLP

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January 23, 2002

VIA FEDERAL EXPRESS
Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: AT&T Wireless - EM-CROWN-130-991126
1432 Old Waterbury Road, Southbury, Connecticut
Notice of Further Exempt Modification

Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

Crown Atlantic Company LLC ("Crown") holds the Siting Council certificate for the existing communications tower and related facility located at 1432 Old Waterbury Road, Southbury, Connecticut (Docket No. 88). On December 8, 1999 Crown, on behalf of AT&T Wireless ("AT&T"), received the Council's acknowledgement of a notice to modify the existing facility pursuant to Section 16-50j-72 of the Regulations of Connecticut State Agencies (EM-CROWN-130-991126) permitting AT&T to install nine (9) panel antennas at the 185' level on the existing tower, with associated equipment cabinets located on a 9' x 20' concrete pad within the fenced compound.

This notice of further exempt modification is also being provided pursuant to Section 16-50j-72 of the Council's regulations. AT&T will be installing an additional equipment cabinet (approximately 76"H x 76"W x 30"D) on AT&T's existing concrete pad at the facility. There will be no other infrastructure changes to AT&T's facility.

The proposed addition of an equipment cabinet to AT&T Wireless' facility does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes

The mathematical equations used in evaluating the power density values are exactly as outlined in the Office of Engineering & Technology (OET) Bulletin Number 65 which contains the FCC guidelines for evaluating human exposure to radio-frequency electromagnetic fields.

In the case of a single radiating antenna, a prediction for power density in the far field of the antenna can be written as:

$$S = \frac{EIRP}{4\pi D^2} = \frac{1.64 * ERP}{4\pi D^2}$$

Where: S = Power density in W/m^2
EIRP = Effective isotropic radiated power (W)
ERP = Effective radiated power (W)
D = Distance in meters

Using the EPA's recommended factor of 1.6 for 100 % reflection, the worst case power density can be obtained by incorporating this factor into the above equation. If the distance, D, is in meters, the ERP is in Watts, then the worst case power density in $\mu W/cm^2$ is given by

$$S = \frac{33.4 * ERP}{D^2}$$ (Section 2, OET bulletin 65).

Where: S = Power density in $\mu W/cm^2$
ERP = Effective radiated power (W)
D = Distance in meters

WFI's analysis considered both the current configuration as well as the future GSM deployment AT&T is proposing. For the current configuration, both in-field measurements and a predictive analysis tool were used to determine compliance. For the future deployment, only a predictive analysis was performed. The maximum worst-case values of the power density for this analysis are outlined below:

Configuration	Point of Worst Case Predicted Level	Predicted Value $\mu W/cm^2$	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC $\mu W/cm^2$	% of the Standard
Current PCS TDMA configuration	1900 feet away in front of the antenna	0.23	1000	0.023
Future PCS TDMA and GSM configuration	1900 feet away in front of the antenna	0.31	1000	0.031

In addition to predictive analysis, on-site data was recorded at different locations around the monopole. In all areas, less than 3.15 % of the MPE for public/uncontrolled limits was recorded. The reason the actual measurements are higher than the predicted values is because the actual measurements include emissions from the other carriers at that site while the theoretical study focused on the level of emissions contributed by AT&T only.

On-site measuring point	Worst Case Measured Value µW/cm²	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC µW/cm²	% of the Standard
30 meters in front of sector 1	16.5	1000	1.65
25 meters in front of sector 2	31.5	1000	3.15
40 meters in front of sector 3	7.5	1000	0.75

The results of these analyses indicate that output power levels for the AT&T owned equipment deployed at the above referenced facility meets FCC approved exposure limits for all uncontrolled areas where general population exposure may exist. Thus, the maximum level of RF radiation in all uncontrolled areas (Assuming a worst case scenario and a 100 % duty cycle for all the transmitters.) is less than 3.15 % of the maximum permissible exposure limit mandated by the FCC and endorsed by the NCRP and ANSI/IEEE.

To the best of my knowledge, the statements made and information disclosed in this study are complete and accurate.

Sincerely,
Wireless Facilities, Inc.

Dan Hardiman
Senior Engineer II
Fixed Network Engineering

CUDDY & FEDER & WORBY LLP

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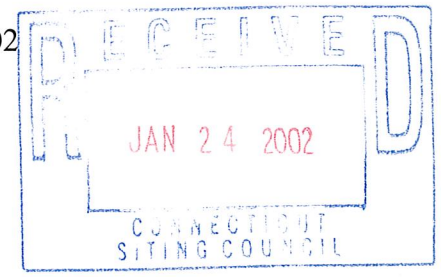
January 23, 2002



VIA FEDERAL EXPRESS
Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: AT&T Wireless - TS-AT&T-130-000828
Russian Village Road, Southbury, Connecticut
Notice of Exempt Modification

Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

On September 19, 2000 the Council ruled that AT&T's proposed shared use of the existing Sprint facility complied with Section 16-50aa of the Regulations of Connecticut State Agencies (TS-AT&T-130-000828) permitting AT&T to install three (3) panel antennas on a pipe mounted to the top of the tower, with an associated equipment shelter located within the fenced compound.

This notice of exempt modification is being provided pursuant to Section 16-50j-72 of the Council's regulations. AT&T will be installing additional equipment within the existing shelter at the facility. There will be no other infrastructure changes to AT&T's facility.

The proposed addition of equipment to AT&T Wireless' facility does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d). The proposed addition to AT&T Wireless' facility will not result in an increase in the Tower's height or extend the boundaries of the existing fenced area surrounding the Tower. Further, there will be no increase in noise levels by six (6) decibels or more at the Tower site's

boundary. AT&T has made measurements of the existing facility to confirm compliance with MPE limits and as set forth in a report prepared by Wireless Facilities, Inc., annexed hereto, the total radio frequency electromagnetic radiation power density at the Tower site's boundary will not be increased to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes. For all the foregoing reasons, addition of AT&T Wireless' equipment to its existing facility constitutes an exempt modification which will not have a substantially adverse environmental effect.

AT&T Wireless respectfully submits that the proposed addition of equipment to the Russian Village Road Facility meets the Council's exemption criteria and requests an acknowledgment of same.

Respectfully Submitted,

Christopher B. Fisher, Esq.
On behalf of AT&T Wireless

cc: First Selectman, Town of Southbury
Darryl Hendrickson, Bechtel Telecommunications

the global leader
IN TELECOM OUTSOURCING

Wireless Facilities, Inc.
1840 Michael Faraday Drive
Suite 200
Reston, VA 20190

December 20, 2001

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

RE: FCC Compliance Statement for AT&T Site CT-183 (Southbury West)

Dear Mr. Gelston:

On behalf of AT&T Wireless, Wireless Facilities Inc. has performed in-field RF measurements and office analyses for the above referenced site to determine compliance with FCC mandated Maximum Permissible Exposure (MPE) limits as defined in 47 CFR § 1.1310.

The table below gives a brief summary of the site location, its configuration and associated technical parameters.

Summary of the site configuration and technical parameters:

Site ID	CT-183
Site Name	Southbury West
Latitude	41.44888
Longitude	-73.25166
Address of structure	100 Russian Village Rd., Southbury, CT 06488.
Type of structure	Monopole
Antenna structure owner	AT&T Wireless services
Address of antenna owner	15 East Midland Ave, Paramus, NJ 07652
FCC class and Type of service	PCS TDMA (IS-136)
Operating frequency	D, E bands (PCS)
Azimuths	50,170,290
Elevation (ft)	130
Antenna manufacturer	EMS Wireless
Antenna type	Panel

The mathematical equations used in evaluating the power density values are exactly as outlined in the Office of Engineering & Technology (OET) Bulletin Number 65 which contains the FCC guidelines for evaluating human exposure to radio-frequency electromagnetic fields.

In the case of a single radiating antenna, a prediction for power density in the far field of the antenna can be written as:

$$S = \frac{EIRP}{4\pi D^2} = \frac{1.64 * ERP}{4\pi D^2}$$

Where: S = Power density in W/m^2
EIRP = Effective isotropic radiated power (W)
ERP = Effective radiated power (W)
D = Distance in meters

Using the EPA's recommended factor of 1.6 for 100 % reflection, the worst case power density can be obtained by incorporating this factor into the above equation. If the distance, D, is in meters, the ERP is in Watts, then the worst case power density in $\mu W/cm^2$ is given by

$$S = \frac{33.4 * ERP}{D^2}$$ (Section 2, OET bulletin 65).

Where: S = Power density in $\mu W/cm^2$
ERP = Effective radiated power (W)
D = Distance in meters

WFI's analysis considered both the current configuration as well as the future GSM deployment AT&T is proposing. For the current configuration, both in-field measurements and a predictive analysis tool were used to determine compliance. For the future deployment, only a predictive analysis was performed. The maximum worst-case values of the power density for this analysis are outlined below:

Configuration	Point of Worst Case Predicted Level	Predicted Value $\mu W/cm^2$	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC $\mu W/cm^2$	% of the Standard
Current PCS TDMA configuration	1100 feet away in front of the antenna	0.68	1000	0.068
Future PCS TDMA and GSM configuration	1100 feet away in front of the antenna	0.91	1000	0.091

In addition to predictive analysis, on-site data was recorded at different locations around the monopole. In all areas, less than 1.75 % of the MPE for public/uncontrolled limits was recorded. The reason the actual measurements are higher than the predicted values is because the actual measurements include emissions from the other carriers at that site while the theoretical study focused on the level of emissions contributed by AT&T only.

On-site measuring point	**Worst Case Measured Value μW/cm²**	**Maximum Limit for PCS Band Uncontrolled Environment Set by FCC μW/cm²**	**% of the Standard**
50 meters in front of sector 1	10.5	1000	1.05
20 meters in front of sector 2	17.5	1000	1.75
50 meters in front of sector 3	16.5	1000	1.65

The results of these analyses indicate that output power levels for the AT&T owned equipment deployed at the above referenced facility meets FCC approved exposure limits for all uncontrolled areas where general population exposure may exist. Thus, the maximum level of RF radiation in all uncontrolled areas (Assuming a worst case scenario and a 100 % duty cycle for all the transmitters.) is less than 1.75 % of the maximum permissible exposure limit mandated by the FCC and endorsed by the NCRP and ANSI/IEEE.

To the best of my knowledge, the statements made and information disclosed in this study are complete and accurate.

Sincerely,
Wireless Facilities, Inc.

Dan Hardiman
Senior Engineer II
Fixed Network Engineering

STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL
Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@po.state.ct.us
Web Site: www.state.ct.us/csc/index.htm

February 5, 2002

Honorable William W. Dickinson, Jr.
Mayor
Town of Wallingford
Municipal Building
45 South Main Street
P. O. Box 427
Wallingford, CT 06492

RE: **EM-AT&T-097-107-117-130-148-156-161-164-020124** - AT&T Wireless notice of intent to modify existing telecommunications facilities located at twelve sites throughout the State of Connecticut.

Dear Mayor Dickinson:

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 February 14, 2002 , at 1:30 p.m. in Hearing Room One, 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: Linda Bush, Town Planner, Town of Wallingford

CUDDY & FEDER & WORBY LLP

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LOUIS R. TAFFERA

January 23, 2002

VIA FEDERAL EXPRESS
Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: AT&T Wireless - TS-AT&T-148-991014
945 East Center Street, Wallingford, Connecticut
Notice of Exempt Modification

Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

On November 9, 1999 the Council ruled that AT&T's proposed shared use of the existing Sprint facility complied with Section 16-50aa of the Regulations of Connecticut State Agencies (TS-AT&T-164-991014) permitting AT&T to install three (3) panel antennas on a pipe mounted to the top of the tower, with an associated equipment shelter located within the fenced compound.

This notice of exempt modification is being provided pursuant to Section 16-50j-72 of the Council's regulations. AT&T will be installing additional equipment within the existing shelter at the facility. There will be no other infrastructure changes to AT&T's facility.

The proposed addition of equipment to AT&T Wireless' facility does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d). The proposed addition to AT&T Wireless' facility will not result in an increase in the Tower's height or extend the boundaries of the existing fenced area surrounding the Tower. Further, there will be no increase in noise levels by six (6) decibels or more at the Tower site's

boundary. AT&T has made measurements of the existing facility to confirm compliance with MPE limits and as set forth in a report prepared by Wireless Facilities, Inc., annexed hereto, the total radio frequency electromagnetic radiation power density at the Tower site's boundary will not be increased to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes. For all the foregoing reasons, addition of AT&T Wireless' equipment to its existing facility constitutes an exempt modification which will not have a substantially adverse environmental effect.

AT&T Wireless respectfully submits that the proposed addition of equipment to the East Center Street Facility meets the Council's exemption criteria and requests an acknowledgment of same.

Respectfully Submitted,

Christopher B. Fisher, Esq.
On behalf of AT&T Wireless

cc: Mayor, Town of Wallingford
Darryl Hendrickson, Bechtel Telecommunications

C&F&W:

the global leader
IN TELECOM OUTSOURCING

Wireless Facilities, Inc.
1840 Michael Faraday Drive
Suite 200
Reston, VA 20190

January 3, 2002

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

RE: FCC Compliance Statement for AT&T Site CT-148 (East Wallingford - Bowmont farm)

Dear Mr. Gelston:

On behalf of AT&T Wireless, Wireless Facilities Inc. has performed in-field RF measurements and office analyses for the above referenced site to determine compliance with FCC mandated Maximum Permissible Exposure (MPE) limits as defined in 47 CFR § 1.1310.

The table below gives a brief summary of the site location, its configuration and associated technical parameters.

Summary of the site configuration and technical parameters:

Site ID	CT-148
Site Name	East Wallingford-Bowmont Farm
Latitude	41.44333
Longitude	-72.79611
Address of structure	945 East Center Street Wallingford,CT
Type of structure	Monopole
Antenna structure owner	AT&T Wireless services
Address of antenna owner	15 East Midland Ave. Paramus, NJ 07652
FCC class and Type of service	PCS TDMA (IS-136), PCS GSM
Operating frequency	D, E bands (PCS)
Azimuths	60,180,300
Elevation (ft)	140
Antenna manufacturer	EMS
Antenna type	Panel

The mathematical equations used in evaluating the power density values are exactly as outlined in the Office of Engineering & Technology (OET) Bulletin Number 65 which contains the FCC guidelines for evaluating human exposure to radio-frequency electromagnetic fields.

In the case of a single radiating antenna, a prediction for power density in the far field of the antenna can be written as:

$$S = \frac{EIRP}{4\pi D^2} = \frac{1.64 * ERP}{4\pi D^2}$$

Where: S = Power density in W/m^2
EIRP = Effective isotropic radiated power (W)
ERP = Effective radiated power (W)
D = Distance in meters

Using the EPA's recommended factor of 1.6 for 100 % reflection, the worst case power density can be obtained by incorporating this factor into the above equation. If the distance, D, is in meters, the ERP is in Watts, then the worst case power density in $\mu W/cm^2$ is given by

$$S = \frac{33.4 * ERP}{D^2}$$ (Section 2, OET bulletin 65).

Where: S = Power density in $\mu W/cm^2$
ERP = Effective radiated power (W)
D = Distance in meters

WFI's analysis considered both the current configuration as well as the future GSM deployment AT&T is proposing. For the current configuration, both in-field measurements and a predictive analysis tool were used to determine compliance. For the future deployment, only a predictive analysis was performed. The maximum worst-case values of the power density for this analysis are outlined below:

Configuration	Point of Worst Case Predicted Level	Predicted Value $\mu W/cm^2$	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC $\mu W/cm^2$	% of the Standard
Current PCS TDMA configuration	100 feet away in front of the antenna	0.51	1000	0.05
Future PCS TDMA and GSM configuration	130 feet away in front of the antenna	0.67	1000	0.07

In addition to predictive analysis, on-site data was recorded at different locations around the monopole. In all areas, less than or equal to 0.65 % of the MPE for public/uncontrolled limits was recorded. The reason the actual measurements are higher than the predicted values is because the actual measurements include emissions from the other carriers at that site while the theoretical study focused on the level of emissions contributed by AT&T only.

On-site measuring point	**Worst Case Measured Value μW/cm²**	**Maximum Limit for PCS Band Uncontrolled Environment Set by FCC μW/cm²**	**% of the Standard**
20 meters in front of sector 1	1.85	1000	0.185
10 meters in front of sector 2	6.5	1000	0.65
20 meters in front of sector 3	1	1000	0.1

The results of these analyses indicate that output power levels for the AT&T owned equipment deployed at the above referenced facility meets FCC approved exposure limits for all uncontrolled areas where general population exposure may exist. Thus, the maximum level of RF radiation in all uncontrolled areas (Assuming a worst case scenario and a 100 % duty cycle for all the transmitters.) is less than or equal to 0.65 % of the maximum permissible exposure limit mandated by the FCC and endorsed by the NCRP and ANSI/IEEE.

To the best of my knowledge, the statements made and information disclosed in this study are complete and accurate.

Sincerely,
Wireless Facilities, Inc.

Dan Hardiman
Senior Engineer II
Fixed Network Engineering

CUDDY & FEDER & WORBY LLP

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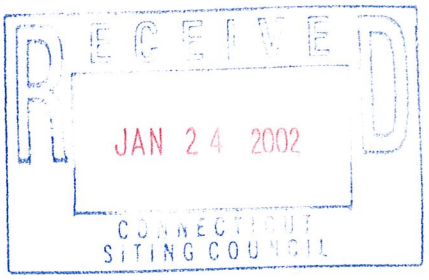
January 23, 2002

VIA FEDERAL EXPRESS
Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051



Re: AT&T Wireless - TS-AT&T-148-991213
Northup Road, Wallingford, Connecticut
Notice of Exempt Modification

Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

On December 20, 1999 the Council ruled that AT&T's proposed shared use of the existing SpectraSite facility complied with Section 16-50aa of the Regulations of Connecticut State Agencies (TS-AT&T-148-991213) permitting AT&T to install up to twelve (12) panel antennas at the 115' level on the existing tower, with an associated equipment shelter located within the fenced compound.

This notice of exempt modification is being provided pursuant to Section 16-50j-72 of the Council's regulations. AT&T will be installing additional equipment within the existing shelter at the facility. There will be no other infrastructure changes to AT&T's facility.

The proposed addition of equipment to AT&T Wireless' facility does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d). The proposed addition to AT&T Wireless' facility will not result in an increase in the Tower's height or extend the boundaries of the existing fenced area surrounding the Tower. Further, there will be no increase in noise levels by six (6) decibels or more at the Tower site's boundary. AT&T has made measurements of the existing facility to confirm compliance with

MPE limits and as set forth in a report prepared by Wireless Facilities, Inc., annexed hereto, the total radio frequency electromagnetic radiation power density at the Tower site's boundary will not be increased to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes. For all the foregoing reasons, addition of AT&T Wireless' equipment to its existing facility constitutes an exempt modification which will not have a substantially adverse environmental effect.

AT&T Wireless respectfully submits that the proposed addition of equipment to the Northrup Road Facility meets the Council's exemption criteria and requests an acknowledgment of same.

Respectfully Submitted,

Christopher B. Fisher, Esq.
On behalf of AT&T Wireless

cc: Mayor, Town of Wallingford
Darryl Hendrickson, Bechtel Telecommunications

the global leader
IN TELECOM OUTSOURCING

Wireless Facilities, Inc.
1840 Michael Faraday Drive
Suite 200
Reston, VA 20190

December 20, 2001

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

RE: FCC Compliance Statement for AT&T Site CT-113 (Wallingford NE Spectrasite)

Dear Mr. Gelston:

On behalf of AT&T Wireless, Wireless Facilities Inc. has performed in-field RF measurements and office analyses for the above referenced site to determine compliance with FCC mandated Maximum Permissible Exposure (MPE) limits as defined in 47 CFR § 1.1310.

The table below gives a brief summary of the site location, its configuration and associated technical parameters.

Summary of the site configuration and technical parameters:

Site ID	CT-113
Site Name	Wallingford Spectrasite Monopole
Latitude	41.48916
Longitude	-72.76805
Owner of the structure	Spectrasite
Address of structure	922 Northrup road Wallingford, CT
Type of structure	Monopole
Antenna structure owner	AT&T Wireless services
Address of antenna owner	149 Water street, Norwalk, CT
Antenna owner contact number	203-831-4010
FCC class and Type of service	PCS TDMA (IS-136) and PCS GSM
Operating frequency	D, E bands (PCS)
Azimuths	30,150,270
Elevation (ft)	115
Antenna manufacturer	Allgon
Antenna type	Panel

The mathematical equations used in evaluating the power density values are exactly as outlined in the Office of Engineering & Technology (OET) Bulletin Number 65 which contains the FCC

guidelines for evaluating human exposure to radio-frequency electromagnetic fields.

In the case of a single radiating antenna, a prediction for power density in the far field of the antenna can be written as:

$$S = \frac{EIRP}{4\pi D^2} = \frac{1.64 * ERP}{4\pi D^2}$$

Where S = Power density in $\mu W/cm^2$
EIRP = Effective isotropic radiated power (W)
ERP = Effective radiated power (W)

Using the EPA's recommended factor of 1.6 for 100 % reflection, the worst case power density can be obtained by incorporating this factor into the above equation. If the distance, D, is in meters, the ERP is in Watts, then the worst case power density in $\mu W/cm^2$ is given by.

$$S = \frac{33.4 * ERP}{D^2}$$ (Section 2, OET bulletin 65).

Where: S = Power density in $\mu W/cm^2$
ERP = Effective radiated power (W)
D = Distance in meters

WFI's analysis considered both the current configuration as well as the future GSM deployment AT&T is proposing. For the current configuration, both in-field measurements and a predictive analysis tool were used to determine compliance. For the future deployment, only a predictive analysis was performed. The maximum worst-case values of the power density for this analysis are outlined below:

Configuration	**Theoretical Measuring point**	**predicted value $\mu W/cm^2$**	**Maximum Limit for PCS band uncontrolled environment set by FCC $\mu W/cm^2$**	**% of the standard**
Current PCS TDMA configuration	240 feet away in front of the antenna	1.05	1000	0.1
Future PCS TDMA and GSM configuration	240 feet away in front of the antenna	1.22	1000	0.122

In addition to predictive analysis, on-site data was recorded at different locations around the monopole. In all areas, less than 0.21 % of the MPE for public/uncontrolled limits was recorded. The reason the actual measurements are higher than the predicted values is because the actual measurements include emissions from the other carriers at the site while the theoretical study focused on the level of emissions contributed by AT&T only.

On-site measuring point	**Worst Case Measured Value μW/cm²**	**Maximum Limit for Cellular Band Uncontrolled Environment Set by FCC μW/cm²**	**% of the Standard**
50 meters in front of sector 2	2	1000	0.2
40 meters in front of sector 3	2.1	1000	0.21

The results of these analyses indicate that output power levels for the AT&T owned equipment deployed at the above referenced facility meets FCC approved exposure limits for all uncontrolled areas where general population exposure may exist. Thus, the maximum level of RF radiation in all uncontrolled areas (Assuming a worst case scenario and a 100 % duty cycle for all the transmitters.) is less than 0.21 % of the maximum permissible exposure limit mandated by the FCC and endorsed by the NCRP and ANSI/IEEE.

To the best of my knowledge, the statements made and information disclosed in this study are complete and accurate.

Sincerely,
Wireless Facilities, Inc.

Navid Nawab
Senior Director
Fixed Network Engineering

CUDDY & FEDER & WORBY LLP

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January 23, 2002

VIA FEDERAL EXPRESS
Hon. Mortimer Gelston, Chairman and Members
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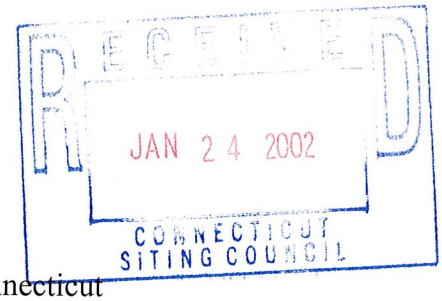

Re: AT&T Wireless - TS-AT&T-148-991213
316 Woodhouse Avenue, Wallingford, Connecticut
Notice of Exempt Modification

Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

On July 25, 2000 the Council ruled that AT&T's proposed shared use of the existing VoiceStream facility complied with Section 16-aa of the Regulations of Connecticut State Agencies (TS-AT&T-148-000703) permitting AT&T to install up to twelve (12) panel antennas at the 128' level on the existing tower, with associated equipment cabinets located on a 8' x 15'6" concrete pad within the fenced compound.

This notice of exempt modification is being provided pursuant to Section 16-50j-72 of the Council's regulations. AT&T will be installing an additional equipment cabinet (approximately 76"H x 76"W x 30"D) on AT&T's existing concrete pad at the facility. There will be no other infrastructure changes to AT&T's facility.

The proposed addition of an equipment cabinet to AT&T Wireless' facility does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d). The proposed addition to AT&T Wireless' facility will not result in an increase in the Tower's height or extend the boundaries of the existing fenced area surrounding the Tower. Further, there will be no increase in noise levels by six (6) decibels or more at the

Tower site's boundary. AT&T made measurements of the existing facility to confirm compliance with MPE limits and as set forth in a report prepared by Wireless Facilities, Inc., annexed hereto, the total radio frequency electromagnetic radiation power density at the Tower site's boundary will not be increased to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes. For all the foregoing reasons, addition of AT&T Wireless' cabinet to its existing facility constitutes an exempt modification which will not have a substantially adverse environmental effect.

AT&T Wireless respectfully submits that the proposed addition of the cabinet to the Woodhouse Avenue Facility meets the Council's exemption criteria and requests an acknowledgment of same.

Respectfully Submitted,

Christopher B. Fisher, Esq.
On behalf of AT&T Wireless

cc: Mayor, Town of Wallingford
Darryl Hendrickson, Bechtel Telecommunications
Brendan Sharkey, VoiceStream

C&F&W:

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Wireless Facilities, Inc.
1840 Michael Faraday Drive
Suite 200
Reston, VA 20190

December 20, 2001

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

RE: FCC Compliance Statement for AT&T Site CT-111 (East Wallingford Voicestream Monopole)

Dear Mr. Gelston:

On behalf of AT&T Wireless, Wireless Facilities Inc. has performed in-field RF measurements and office analyses for the above referenced site to determine compliance with FCC mandated Maximum Permissible Exposure (MPE) limits as defined in 47 CFR § 1.1310.

The table below gives a brief summary of the site location, its configuration and associated technical parameters.

Summary of the site configuration and technical parameters:

Site ID	CT-111
Site Name	East Wallingford Voicestream Monopole
Latitude	41.43388
Longitude	-72.80166
Owner of the structure	Voicestream
Address of structure	316 Woodhouse Ave Wallingford, CT
Type of structure	Monopole
Antenna structure owner	AT&T Wireless services
Address of antenna owner	149 Water street, Norwalk, CT
Antenna owner contact number	203-831-4010
FCC class and Type of service	PCS TDMA (IS-136) PCS GSM
Operating frequency	D, E bands (PCS)
Azimuths	30,150,270
Elevation (ft)	128
Antenna manufacturer	Allgon
Antenna type	Panel

The mathematical equations used in evaluating the power density values are exactly as outlined in the Office of Engineering & Technology (OET) Bulletin Number 65 which contains the FCC guidelines for evaluating human exposure to radio-frequency electromagnetic fields.

In the case of a single radiating antenna, a prediction for power density in the far field of the antenna can be written as:

$$S = \frac{EIRP}{4\pi D^2} = \frac{1.64 * ERP}{4\pi D^2}$$

Where S = Power density in $\mu W/cm^2$
EIRP = Effective isotropic radiated power (W)
ERP = Effective radiated power (W)

Using the EPA's recommended factor of 1.6 for 100 % reflection, the worst case power density can be obtained by incorporating this factor into the above equation. If the distance, D, is in meters, the ERP is in Watts, then the worst case power density in $\mu W/cm^2$ is given by.

$$S = \frac{33.4 * ERP}{D^2}$$ (Section 2, OET bulletin 65).

Where: S = Power density in $\mu W/cm^2$
ERP = Effective radiated power (W)
D = Distance in meters

WFI's analysis considered both the current configuration as well as the future GSM deployment AT&T is proposing. For the current configuration, both in-field measurements and a predictive analysis tool were used to determine compliance. For the future deployment, only a predictive analysis was performed. The maximum worst-case values of the power density for this analysis are outlined below:

Configuration	**Theoretical Measuring point**	**predicted value $\mu W/cm^2$**	**Maximum Limit for PCS band uncontrolled environment set by FCC $\mu W/cm^2$**	**% of the standard**
Current PCS TDMA configuration	240 feet away in front of the antenna	1.05	1000	0.1
Future PCS TDMA and GSM configuration	240 feet away in front of the antenna	1.22	1000	0.122

In addition to predictive analysis, on-site data was recorded at different locations around the monopole. In all areas, less than 2.5 % of the MPE for public/uncontrolled limits was recorded. The reason the actual measurements are higher than the predicted values is because the actual measurements include emissions from the other carriers at the site while the theoretical study focused on the level of emissions contributed by AT&T only.

On-site measuring point	**Worst Case Measured Value μW/cm²**	**Maximum Limit for Cellular Band Uncontrolled Environment Set by FCC μW/cm²**	**% of the Standard**
30 meters in front of sector 1	25	1000	2.5
30 meters in front of sector 2	10	1000	1.0
50 meters in front of sector 3	1.5	1000	0.15

The results of these analyses indicate that output power levels for the AT&T owned equipment deployed at the above referenced facility meets FCC approved exposure limits for all uncontrolled areas where general population exposure may exist. Thus, the maximum level of RF radiation in all uncontrolled areas (Assuming a worst case scenario and a 100 % duty cycle for all the transmitters.) is less than 2.5 % of the maximum permissible exposure limit mandated by the FCC and endorsed by the NCRP and ANSI/IEEE.

To the best of my knowledge, the statements made and information disclosed in this study are complete and accurate.

Sincerely,
Wireless Facilities, Inc.

Navid Nawab
Senior Director
Fixed Network Engineering

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@po.state.ct.us
Web Site: www.state.ct.us/csc/index.htm

February 5, 2002

Honorable H. Richard Borer, Jr.
Mayor
City of West Haven
City Hall
355 Main Street
West Haven, CT 06516

RE: **EM-AT&T-097-107-117-130-148-156-161-164-020124** - AT&T Wireless notice of intent to modify existing telecommunications facilities located at twelve sites throughout the State of Connecticut.

Dear Mayor Borer:

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 February 14, 2002 , at 1:30 p.m. in Hearing Room One, 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: James Hill, City Planner, City of West Haven

CUDDY & FEDER & WORBY LLP

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DAVID E. WORBY

Of Counsel
MICHAEL R. EDELMAN
ANDREW A. GLICKSON (also CT)
ROBERT L. OSAR (also TX)
MARYANN M. PALERMO
ROBERT C. SCHNEIDER
LOUIS R. TAFFERA

January 23, 2002

VIA FEDERAL EXPRESS
Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: AT&T Wireless - EM-AT&T-156-990920
1 Burwell Road, West Haven, Connecticut
Notice of Further Exempt Modification

Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

Springwich Cellular Limited Partnership is the owner of the existing communications tower and related facility located at 1 Burwell Road, West Haven, Connecticut. On October 18, 1999 AT&T Wireless ("AT&T"), received the Council's acknowledgement of a notice to modify the existing facility pursuant to Section 16-50j-72 of the Regulations of Connecticut State Agencies (EM-AT&T-156-990920) permitting AT&T to install up to twelve (12) panel antennas at the 130' level on the existing tower, with an associated equipment shelter located within the fenced compound.

This notice of further exempt modification is also being provided pursuant to Section 16-50j-72 of the Council's regulations. AT&T will be installing additional equipment within the existing shelter at the facility. There will be no other infrastructure changes to AT&T's facility.

The proposed addition of equipment to AT&T Wireless' facility does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d). The proposed addition to AT&T Wireless' facility will not result in an increase in the Tower's height or extend the boundaries of the existing fenced area surrounding the Tower.

C&F&W:

Further, there will be no increase in noise levels by six (6) decibels or more at the Tower site's boundary. AT&T made measurements of the existing facility to confirm compliance with MPE limits and as set forth in a report prepared by Wireless Facilities, Inc., annexed hereto, the total radio frequency electromagnetic radiation power density at the Tower site's boundary will not be increased to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes. For all the foregoing reasons, addition of AT&T Wireless' equipment to its existing facility constitutes an exempt modification which will not have a substantially adverse environmental effect.

AT&T Wireless respectfully submits that the proposed addition of the equipment to the Burwell Road Facility meets the Council's exemption criteria and requests an acknowledgment of same.

Respectfully Submitted,

Christopher B. Fisher, Esq.
On behalf of AT&T Wireless

cc: Mayor, City of West Haven
Darryl Hendrickson, Bechtel Telecommunications
Peter W. Van Wilgen, Springwich Cellular LP

the global leader
IN TELECOM OUTSOURCING

Wireless Facilities, Inc.
1840 Michael Faraday Drive
Suite 200
Reston, VA 20190

December 19, 2001

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

RE: FCC Compliance Statement for AT&T Site CT-103 (West Haven North-SNET tower)

Dear Mr. Gelston:

On behalf of AT&T Wireless, Wireless Facilities Inc. has performed in-field RF measurements and office analyses for the above referenced site to determine compliance with FCC mandated Maximum Permissible Exposure (MPE) limits as defined in 47 CFR § 1.1310.

The table below gives a brief summary of the site location, its configuration and associated technical parameters.

Summary of the site configuration and technical parameters:

Site ID	CT-103
Site Name	West Haven Tower-SNET North
Latitude	41.29527
Longitude	-72.97388
Address of structure	1 Burwell street New Haven, CT
Type of structure	Tower
Antenna structure owner	AT&T Wireless services
Address of antenna owner	149 Water street, Norwalk, CT
FCC class and Type of service	PCS TDMA (IS-136)
Operating frequency	D, E bands (PCS)
Azimuths	30,150,270
Elevation (ft)	130
Antenna manufacturer	Allgon
Antenna type	Panel

The mathematical equations used in evaluating the power density values are exactly as outlined in the Office of Engineering & Technology (OET) Bulletin Number 65 which contains the FCC guidelines for evaluating human exposure to radio-frequency electromagnetic fields.

In the case of a single radiating antenna, a prediction for power density in the far field of the antenna can be written as:

$$S = \frac{EIRP}{4\pi D^2} = \frac{1.64 * ERP}{4\pi D^2}$$

Where: S = Power density in W/m^2
EIRP = Effective isotropic radiated power (W)
ERP = Effective radiated power (W)
D = Distance in meters

Using the EPA's recommended factor of 1.6 for 100 % reflection, the worst case power density can be obtained by incorporating this factor into the above equation. If the distance, D, is in meters, the ERP is in Watts, then the worst case power density in $\mu W/cm^2$ is given by

$$S = \frac{33.4 * ERP}{D^2}$$ (Section 2, OET bulletin 65).

Where: S = Power density in $\mu W/cm^2$
ERP = Effective radiated power (W)
D = Distance in meters

WFI's analysis considered both the current configuration as well as the future GSM deployment AT&T is proposing. For the current configuration, both in-field measurements and a predictive analysis tool were used to determine compliance. For the future deployment, only a predictive analysis was performed. The maximum worst-case values of the power density for this analysis are outlined below:

Configuration	Point of Worst Case Predicted Level	Predicted Value $\mu W/cm^2$	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC $\mu W/cm^2$	% of the Standard
Current PCS TDMA configuration	290 feet away in front of the antenna	0.82	1000	0.08
Future PCS TDMA and GSM configuration	290 feet away in front of the antenna	0.96	1000	0.096

In addition to predictive analysis, on-site data was recorded at different locations around the Lattice Tower. In all areas, less than 1.4 % of the MPE for public/uncontrolled limits was recorded. The reason the actual measurements are higher than the predicted values is because the actual measurements include emissions from all the existing carriers at that site while the theoretical study focused on the level of emissions contributed by AT&T only.

On-site measuring point	**Worst Case Measured Value μW/cm²**	**Maximum Limit for PCS Band Uncontrolled Environment Set by FCC μW/cm²**	**% of the Standard**
40 meters in front of sector 1	4.5	1000	0.45
50 meters in front of sector 2	14	1000	1.4
100 meters in front of sector 3	4.5	1000	0.45

The results of these analyses indicate that output power levels for the AT&T owned equipment deployed at the above referenced facility meets FCC approved exposure limits for all uncontrolled areas where general population exposure may exist. Thus, the maximum level of RF radiation in all uncontrolled areas (Assuming a worst case scenario and a 100 % duty cycle for all the transmitters.) is less than 1.4 % of the maximum permissible exposure limit mandated by the FCC and endorsed by the NCRP and ANSI/IEEE.

To the best of my knowledge, the statements made and information disclosed in this study are complete and accurate.

Sincerely,
Wireless Facilities, Inc.

Dan Hardiman
Senior Engineer II
Fixed Network Engineering

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051
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E-Mail: siting.council@po.state.ct.us
Web Site: www.state.ct.us/csc/index.htm

February 5, 2002

Honorable Paul F. Hannah, Jr.
First Selectman
Town of Wilton
Town Hall
238 Danbury Road
Wilton, CT 06897

RE: **EM-AT&T-097-107-117-130-148-156-161-164-020124** - AT&T Wireless notice of intent to modify existing telecommunications facilities located at twelve sites throughout the State of Connecticut.

Dear Mr. Hannah:

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 February 14, 2002 , at 1:30 p.m. in Hearing Room One, 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: Wendy Johnston, Town Planner, Town of Wilton

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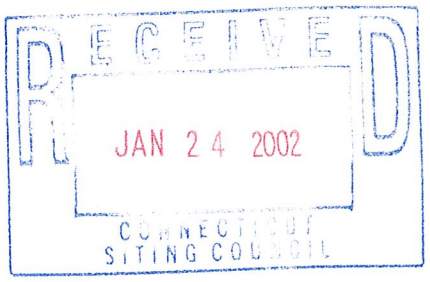
LOUIS R. TAFFERA

January 23, 2002

VIA FEDERAL EXPRESS
Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051



Re: AT&T Wireless - EM-CROWN-161-000831
128 Mather Street, Wilton, Connecticut
Notice of Further Exempt Modification

Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

Crown Atlantic Company LLC ("Crown") holds the Siting Council certificate for the existing communications tower and related facility located at 128 Mather Street, Wilton, Connecticut (Docket No. 94). On September 19, 2000 Crown, on behalf of AT&T Wireless ("AT&T"), received the Council's acknowledgement of a notice to modify the existing facility pursuant to Section 16-50j-72 of the Regulations of Connecticut State Agencies (EM-CROWN-161-000831) permitting AT&T to install nine (9) panel antennas at the 173' level on the existing tower, with associated equipment cabinets located on a 14' x 8' concrete pad within the fenced compound.

This notice of further exempt modification is also being provided pursuant to Section 16-50j-72 of the Council's regulations. AT&T will be installing an additional equipment cabinet (approximately 76"H x 76"W x 30"D) on AT&T's existing concrete pad at the facility. There will be no other infrastructure changes to AT&T's facility.

The proposed addition of an equipment cabinet to AT&T Wireless' facility does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes

C&F&W:

Section 16-50i(d). The proposed addition to AT&T Wireless' facility will not result in an increase in the Tower's height or extend the boundaries of the existing fenced area surrounding the Tower. Further, there will be no increase in noise levels by six (6) decibels or more at the Tower site's boundary. AT&T made measurements of the existing facility to confirm compliance with MPE limits and as set forth in a report prepared by Wireless Facilities, Inc., annexed hereto, the total radio frequency electromagnetic radiation power density at the Tower site's boundary will not be increased to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes. For all the foregoing reasons, addition of AT&T Wireless' cabinet to its existing facility constitutes an exempt modification which will not have a substantially adverse environmental effect.

AT&T Wireless respectfully submits that the proposed addition of the cabinet to the Mather Street Facility meets the Council's exemption criteria and requests an acknowledgment of same.

Respectfully Submitted,

Christopher B. Fisher, Esq.
On behalf of AT&T Wireless

cc: First Selectman, Town of Wilton
Darryl Hendrickson, Bechtel Telecommunications
Kenneth C. Baldwin, Robinson & Cole

the global leader
IN TELECOM OUTSOURCING

Wireless Facilities, Inc.
1840 Michael Faraday Drive
Suite 200
Reston, VA 20190

January 2, 2002

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

RE: FCC Compliance Statement for AT&T Site CT-062 (Wilton East Central)

Dear Mr. Gelston:

On behalf of AT&T Wireless, Wireless Facilities Inc. has performed in-field RF measurements and office analyses for the above referenced site to determine compliance with FCC mandated Maximum Permissible Exposure (MPE) limits as defined in 47 CFR § 1.1310.

The table below gives a brief summary of the site location, its configuration and associated technical parameters.

Summary of the site configuration and technical parameters:

Site ID	CT-062
Site Name	Wilton East Central
Latitude	41.23833
Longitude	-73.42444
Address of structure	128 Mather Street, Wilton, CT
Type of structure	Tower
Antenna structure owner	AT&T Wireless services
Address of antenna owner	15 East Midland Ave, Paramus, NJ 07652
FCC class and Type of service	PCS TDMA (IS-136) PCS GSM
Operating frequency	D, E bands (PCS)
Azimuths	60,180,300
Elevation (ft)	173
Antenna manufacturer	EMS
Antenna type	Panel

The mathematical equations used in evaluating the power density values are exactly as outlined in the Office of Engineering & Technology (OET) Bulletin Number 65 which contains the FCC guidelines for evaluating human exposure to radio-frequency electromagnetic fields.

In the case of a single radiating antenna, a prediction for power density in the far field of the antenna can be written as:

$$S = \frac{EIRP}{4\pi D^2} = \frac{1.64 * ERP}{4\pi D^2}$$

Where: S = Power density in W/m^2
EIRP = Effective isotropic radiated power (W)
ERP = Effective radiated power (W)
D = Distance in meters

Using the EPA's recommended factor of 1.6 for 100 % reflection, the worst case power density can be obtained by incorporating this factor into the above equation. If the distance, D, is in meters, the ERP is in Watts, then the worst case power density in $\mu W/cm^2$ is given by

$$S = \frac{33.4 * ERP}{D^2}$$ (Section 2, OET bulletin 65).

Where: S = Power density in $\mu W/cm^2$
ERP = Effective radiated power (W)
D = Distance in meters

WFI's analysis considered both the current configuration as well as the future GSM deployment AT&T is proposing. For the current configuration, both in-field measurements and a predictive analysis tool were used to determine compliance. For the future deployment, only a predictive analysis was performed. The maximum worst-case values of the power density for this analysis are outlined below:

Configuration	Point of Worst Case Predicted Level	Predicted Value $\mu W/cm^2$	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC $\mu W/cm^2$	% of the Standard
Current PCS TDMA configuration	1500 feet away in front of the antenna	0.26	1000	0.026
Future PCS TDMA and GSM configuration	1500 feet away in front of the antenna	0.35	1000	0.035

In addition to predictive analysis, on-site data was recorded at different locations around the Lattice Tower. In all areas, less than or equal to 1.85 % of the MPE for public/uncontrolled limits was recorded. The reason the actual measurements are higher than the predicted values is because the actual measurements include emissions from all the existing carriers at that site while the theoretical study focused on the level of emissions contributed by AT&T only.

On-site measuring point	Worst Case Measured Value μW/cm²	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC μW/cm²	% of the Standard
10 meters in front of sector 1	10.5	1000	1.05
15 meters in front of sector 2	18.5	1000	1.85
10 meters in front of sector 3	14	1000	1.4

The results of these analyses indicate that output power levels for the AT&T owned equipment deployed at the above referenced facility meets FCC approved exposure limits for all uncontrolled areas where general population exposure may exist. Thus, the maximum level of RF radiation in all uncontrolled areas (Assuming a worst case scenario and a 100 % duty cycle for all the transmitters.) is less than or equal to 1.85 % of the maximum permissible exposure limit mandated by the FCC and endorsed by the NCRP and ANSI/IEEE.

To the best of my knowledge, the statements made and information disclosed in this study are complete and accurate.

Sincerely,
Wireless Facilities, Inc.

Dan Hardiman
Senior Engineer II
Fixed Network Engineering

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@po.state.ct.us
Web Site: www.state.ct.us/csc/index.htm

February 5, 2002

Honorable Mary Hogan
Mayor
Town of Windsor
Town Hall
275 Broad Street
Windsor, CT 06095-0472

RE: **EM-AT&T-097-107-117-130-148-156-161-164-020124** - AT&T Wireless notice of intent to modify existing telecommunications facilities located at twelve sites throughout the State of Connecticut.

Dear Mayor Hogan:

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 February 14, 2002 , at 1:30 p.m. in Hearing Room One, 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: Mario Zavarella, Town Planner, Town of Windsor
R. Leon Churchill, Jr., Town Manager, Town of Windsor

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CUDDY & FEDER & WORBY LLP

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January 23, 2002

VIA FEDERAL EXPRESS
Hon. Mortimer Gelston, Chairman and Members
of the Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: AT&T Wireless - TS-AT&T-164-991014
440 Hayden Station Road, Windsor, Connecticut
Notice of Exempt Modification

Hon. Mortimer Gelston, Chairman and Members of the Siting Council:

On November 9, 1999 the Council ruled that AT&T's proposed shared use of the existing Sprint facility complied with Section 16-50aa of the Regulations of Connecticut State Agencies (TS-AT&T-164-991014) permitting AT&T to install three (3) panel antennas on a pipe mounted to the top of the tower, with an associated equipment shelter located within the fenced compound.

This notice of exempt modification is being provided pursuant to Section 16-50j-72 of the Council's regulations. AT&T will be installing additional equipment within the existing shelter at the facility. There will be no other infrastructure changes to AT&T's facility.

The proposed addition of equipment to AT&T Wireless' facility does not constitute a "modification" of an existing facility as defined in Connecticut General Statutes Section 16-50i(d). The proposed addition to AT&T Wireless' facility will not result in an increase in the Tower's height or extend the boundaries of the existing fenced area surrounding the Tower. Further, there will be no increase in noise levels by six (6) decibels or more at the Tower site's

boundary. AT&T has made measurements of the existing facility to confirm compliance with MPE limits and as set forth in a report prepared by Wireless Facilities, Inc., annexed hereto, the total radio frequency electromagnetic radiation power density at the Tower site's boundary will not be increased to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes. For all the foregoing reasons, addition of AT&T Wireless' equipment to its existing facility constitutes an exempt modification which will not have a substantially adverse environmental effect.

AT&T Wireless respectfully submits that the proposed addition of equipment to the Hayden Station Road Facility meets the Council's exemption criteria and requests an acknowledgment of same.

Respectfully Submitted,

Christopher B. Fisher, Esq.
On behalf of AT&T Wireless

cc: Mayor, Town of Windsor
Darryl Hendrickson, Bechtel Telecommunications

the global leader
IN TELECOM OUTSOURCING

Wireless Facilities, Inc.
1840 Michael Faraday Drive
Suite 200
Reston, VA 20190

December 19, 2001

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

RE: FCC Compliance Statement for AT&T Site CT-140 (Windsor North)

Dear Mr. Gelston:

On behalf of AT&T Wireless, Wireless Facilities Inc. has performed in-field RF measurements and office analyses for the above referenced site to determine compliance with FCC mandated Maximum Permissible Exposure (MPE) limits as defined in 47 CFR § 1.1310.

The table below gives a brief summary of the site location, its configuration and associated technical parameters.

Summary of the site configuration and technical parameters:

Site ID	CT-140
Site Name	Windsor North
Latitude	41.89777
Longitude	-72.645
Address of structure	440 Hayden station rd Windsor, CT 06095
Type of structure	Monopole
Antenna structure owner	AT&T Wireless services
Address of antenna owner	149 Water street, Norwalk, CT
FCC class and Type of service	PCS TDMA (IS-136)
Operating frequency	D, E bands (PCS)
Azimuths	45,165,285
Elevation (ft)	93
Antenna manufacturer	EMS Wireless
Antenna type	Panel

The mathematical equations used in evaluating the power density values are exactly as outlined in the Office of Engineering & Technology (OET) Bulletin Number 65 which contains the FCC guidelines for evaluating human exposure to radio-frequency electromagnetic fields.

In the case of a single radiating antenna, a prediction for power density in the far field of the antenna can be written as:

$$S = \frac{EIRP}{4\pi D^2} = \frac{1.64 * ERP}{4\pi D^2}$$

Where: S = Power density in W/m^2
EIRP = Effective isotropic radiated power (W)
ERP = Effective radiated power (W)
D = Distance in meters

Using the EPA's recommended factor of 1.6 for 100 % reflection, the worst case power density can be obtained by incorporating this factor into the above equation. If the distance, D, is in meters, the ERP is in Watts, then the worst case power density in $\mu W/cm^2$ is given by

$$S = \frac{33.4 * ERP}{D^2}$$ (Section 2, OET bulletin 65).

Where: S = Power density in $\mu W/cm^2$
ERP = Effective radiated power (W)
D = Distance in meters

WFI's analysis considered both the current configuration as well as the future GSM deployment AT&T is proposing. For the current configuration, both in-field measurements and a predictive analysis tool were used to determine compliance. For the future deployment, only a predictive analysis was performed. The maximum worst-case values of the power density for this analysis are outlined below:

Configuration	Point of Worst Case Predicted Level	Predicted Value $\mu W/cm^2$	Maximum Limit for PCS Band Uncontrolled Environment Set by FCC $\mu W/cm^2$	% of the Standard
Current PCS TDMA configuration	120 feet away in front of the antenna	1.12	1000	0.112
Future PCS TDMA and GSM configuration	120 feet away in front of the antenna	1.5	1000	0.15

In addition to predictive analysis, on-site data was recorded at different locations around the monopole. In all areas, less than 1.3 % of the MPE for public/uncontrolled limits was recorded. The reason the actual measurements are higher than the predicted values is because the actual measurements include emissions from the other carriers at that site while the theoretical study focused on the level of emissions contributed by AT&T only.

On-site measuring point	**Worst Case Measured Value μW/cm²**	**Maximum Limit for PCS Band Uncontrolled Environment Set by FCC μW/cm²**	**% of the Standard**
35 meters in front of sector 1	13	1000	1.3
18 meters in front of sector 2	13	1000	1.3
15 meters in front of sector 3	7.5	1000	0.75

The results of these analyses indicate that output power levels for the AT&T owned equipment deployed at the above referenced facility meets FCC approved exposure limits for all uncontrolled areas where general population exposure may exist. Thus, the maximum level of RF radiation in all uncontrolled areas (Assuming a worst case scenario and a 100 % duty cycle for all the transmitters.) is less than 1.3 % of the maximum permissible exposure limit mandated by the FCC and endorsed by the NCRP and ANSI/IEEE.

To the best of my knowledge, the statements made and information disclosed in this study are complete and accurate.

Sincerely,
Wireless Facilities, Inc.

Dan Hardiman
Senior Engineer II
Fixed Network Engineering