



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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

July 18, 2002

Wendell G. Davis, Esq.
Hartford Square North
Ten Columbus Boulevard
Hartford, CT 06106

RE: **EM-SBA-069-020628** - SBA Properties, Inc. notice of intent to modify an existing telecommunications facility located at 246 East Franklin Street, Danielson (Killingly), Connecticut.

Dear Attorney Davis:


At a public meeting held on July 11, 2002, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, 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 June 28, 2002. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Any additional change to this facility 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.

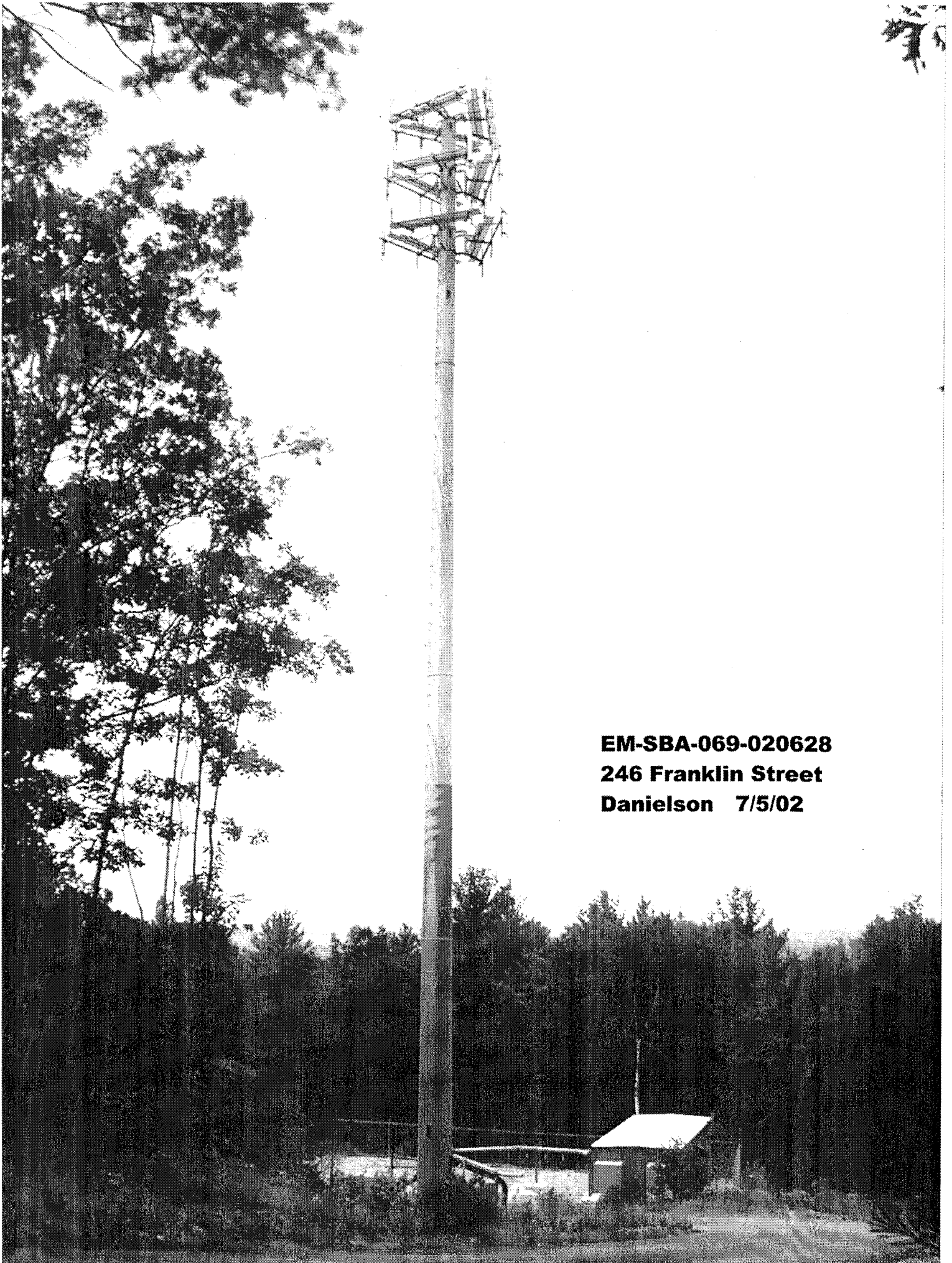
Thank you for your attention and cooperation.

Very truly yours,


Mortimer A. Gelston
Chairman

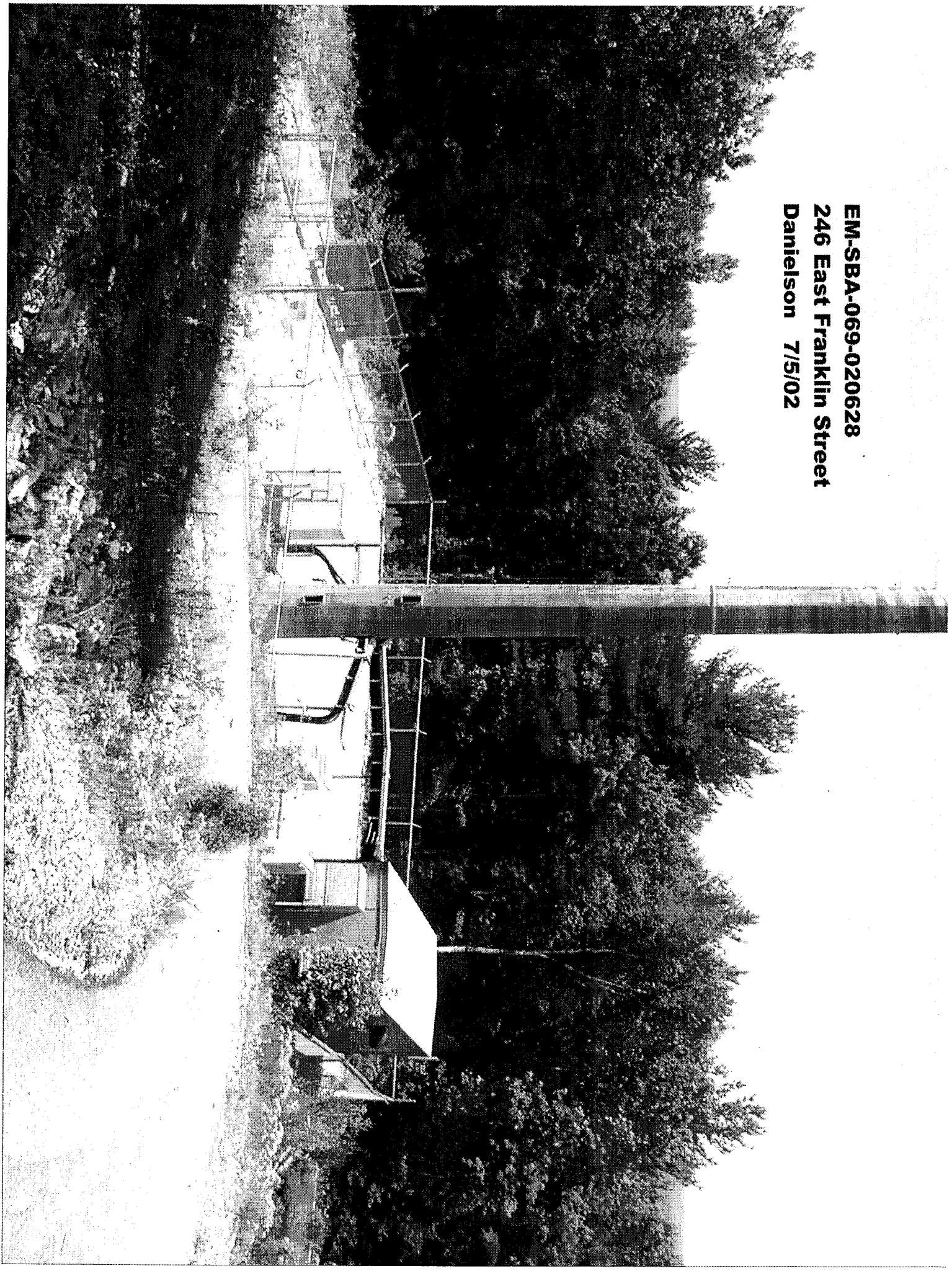
MAG/DM/laf

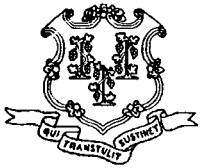
- c: Honorable John E. Burke, Jr., Chairman Town Council, Town of Killingly
- Roger Gandolf, Zoning Officer, Town of Killingly
- Christopher B. Fisher, Esq., Cuddy & Feder & Worby
- Stephen J. Humes, Esq., LeBoeuf, Lamb, Greene & MacRae



EM-SBA-069-020628
246 Franklin Street
Danielson 7/5/02

EM-SBA-069-020628
246 East Franklin Street
Danielson 7/5/02





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

June 28, 2002

Honorable John E. Burke, Jr.
Chairman Town Council
Town of Killingly
172 Main Street
P. O. Box 6000
Danielson, CT 06239-6000

RE: **EM-SBA-069-020628** - SBA Properties, Inc. notice of intent to modify an existing telecommunications facility located at 246 East Franklin Street, Danielson (Killingly), Connecticut

Dear Mr. Burke:

Jack -

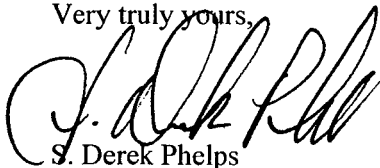
The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

The Council will consider this item at the next meeting scheduled for July 11, 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/dsj

Enclosure: Notice of Intent

c: Roger Gandolf, Zoning Officer, Town of Killingly

*Jack -
Hope you're doing well!
D*

LAW OFFICES OF WENDELL G. DAVIS, LLC

- Attorney At Law -

HARTFORD SQUARE NORTH
TEN COLUMBUS BOULEVARD
HARTFORD, CONNECTICUT 06106

Wendell G. Davis, Esq.
wendelldavis@usa.net

Telephone (860) 549-5402
Facsimile (860) 522-4261

June 28, 2002

S. Derek Phelps
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

RE: **NOTICE OF INTENT TO MODIFY AN EXISTING
TELECOMMUNICATIONS FACILITY AT
246 EAST FRANKLIN STREET, DANIELSON, CT**

Dear Mr. Phelps:

SBA Towers, Inc. ("SBA") hereby requests acknowledgment that the proposed co-location of AT&T Wireless PCS, LLC ("AT&T Wireless") on a telecommunications tower owned by SBA and located at 246 East Franklin Street in Danielson, Connecticut ("Franklin Street Facility") constitutes an exempt modification pursuant to the Public Utility Environmental Standards Act, Connecticut General Statutes Section 16-50g et. seq. (PUESA), and Section 16-50j-72(b)(2) of the Regulations of the Connecticut State Agencies adopted pursuant to PUESA. In accordance with R.C.S.A. Section 16-50j-73, a copy of this letter has been sent to Marc Skocypec, the Town Manager of Killingly, Connecticut (Danielson is a borough of Killingly) and Christian Sarantopoulos, the Chairman of the Killingly Town Council.

SBA and AT&T Wireless have agreed to share the use of the Franklin Street Facility, as detailed below.

The Franklin Street Facility

The Franklin Street Facility consists of a 155 foot monopole within a site compound which is surrounded by a chain link fence. The facility can support the antenna arrays and related equipment of several carriers including VoiceStream Wireless which was approved by the Siting Council on July 15, 1999 (TS-OCI-069-990707).

AT&T Wireless' Facility

AT&T Wireless will install 12 panel antennas at an antenna center line height of approximately 127 feet. A structural integrity report, attached as Exhibit A, was

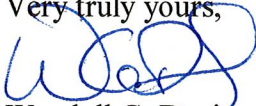
generated by Chazen Engineering and Land Surveying Co. P.C. and confirms that the tower is structurally capable of supporting AT&T Wireless' proposed antennas. AT&T Wireless will also install equipment cabinets (2 proposed, 2 future, each 76"H x 30"W x 30" D) on a concrete pad within the existing fenced compound.

AT&T Wireless' Facility Constitutes An Exempt Modification

For the following reasons, the proposed modifications to the Franklin Street Facility meet the exempt modification criteria set forth in R.C.S.A. Section 16-50j-72(b)(2):

1. As evidenced by the attached Tower Elevation Drawing (Exhibit B), the proposed modification will not increase the height of the tower as AT&T Wireless' antennas will be installed at a center line height of approximately 127 feet.
2. As evidenced by the attached Site Plan Drawing (Exhibit B), the installation of AT&T Wireless' equipment will not require an extension of the site boundaries.
3. The proposed modifications will not increase the noise levels at the existing facility by six decibels or more.
4. As set forth in the Emissions Report prepared by Frank Wentink, Radio Frequency Engineer, attached as Exhibit C, the operation of the additional antennas will not increase the total radio frequency (RF) power density, measured at the site boundary, to a level at or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes and MPE limits established by the Federal Communications Commission.

For the foregoing reasons, SBA respectfully submits that the proposed addition of AT&T Wireless' antenna and equipment at the Franklin Street Facility constitutes an exempt modification under R.C.S.A. Section 16-50j-72(b)(2).

Very truly yours,

Wendell G. Davis

cc: Marc Skocypec, Town Manager
Christian Sarantopoulos, Chairman Killingly Town Council.
Harold Hewett, Bechtel
Mark Roberts, SBA
Christopher Fisher, Esq., Cuddy, Feder & Worby

Exhibit A

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

Dutchess County Office
Phone: (845) 454-3980

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

Orange County Office
Phone: (845) 567-1133

New England Office
Phone: (781) 556-1037

North Country Office
Phone: (518) 812-0513

June 27, 2002

Mr. Randy Freschlin
SBA Network Services, Inc.
80 Eastern Boulevard
Glastonbury, CT 06033

Re: Structural Review of the Danielson Monopole
TCC Job Number: NE0XX.00
SBA Site No.: CT00302-S
AWS Site No.: CT-483

Dear Mr. Freschlin:

As requested, The Chazen Companies (TCC) has performed a structural review of the above referenced monopole located at 246 East Franklin Street in the Town of Danielson, Windham County, Connecticut. Our review is based on existing and proposed antenna information as provided by SBA, which has not been field verified, original design documents by Fred A. Nudd Corporation, and analysis and tower modification calculations by O2 Wireless Solutions (O2 Wireless), dated May 23, 2002.

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

Based on our review, the monopole is 155 feet tall and was designed to support four (4) antenna arrays consisting of (12) DB896 Panel antennas at elevations of 157 feet, 147 feet, 137 feet, and 127 feet above ground level (AGL).

Information provided by SBA indicates that currently there are twelve (12) Swedcom ALP9212 panel antennas for Verizon Wireless, six (6) Decibel DB908H90 panel antennas for Sprint PCS, and six (6) DAPA 59212 panel antennas for Voicestream on the monopole. AT&T Wireless (AT&T) proposes to install twelve (12) Allgon 7184 panel antennas at an elevation of 127 feet AGL.

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

Based upon this information, TCC has determined that the proposed AT&T installation can be added to the structure and does not exceed the original design parameters for the above referenced monopole. Our conclusion assumes that the monopole and foundation were constructed in accordance with all applicable local, state, and federal codes, the original design documents, and the tower modification package prepared by O2 Wireless. However, TCC's review does not relieve the original or subsequent modification design engineer's responsibility for completeness or accuracy of work.

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

Sincerely,

Richard Chazen, P.E.
Principal

ksp/

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

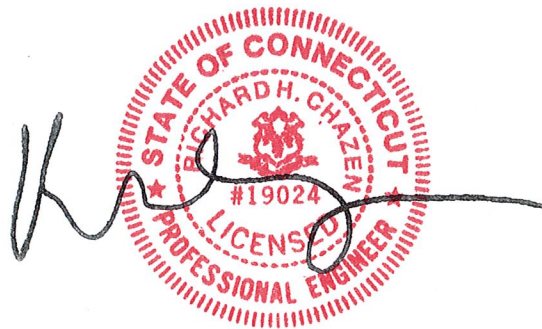
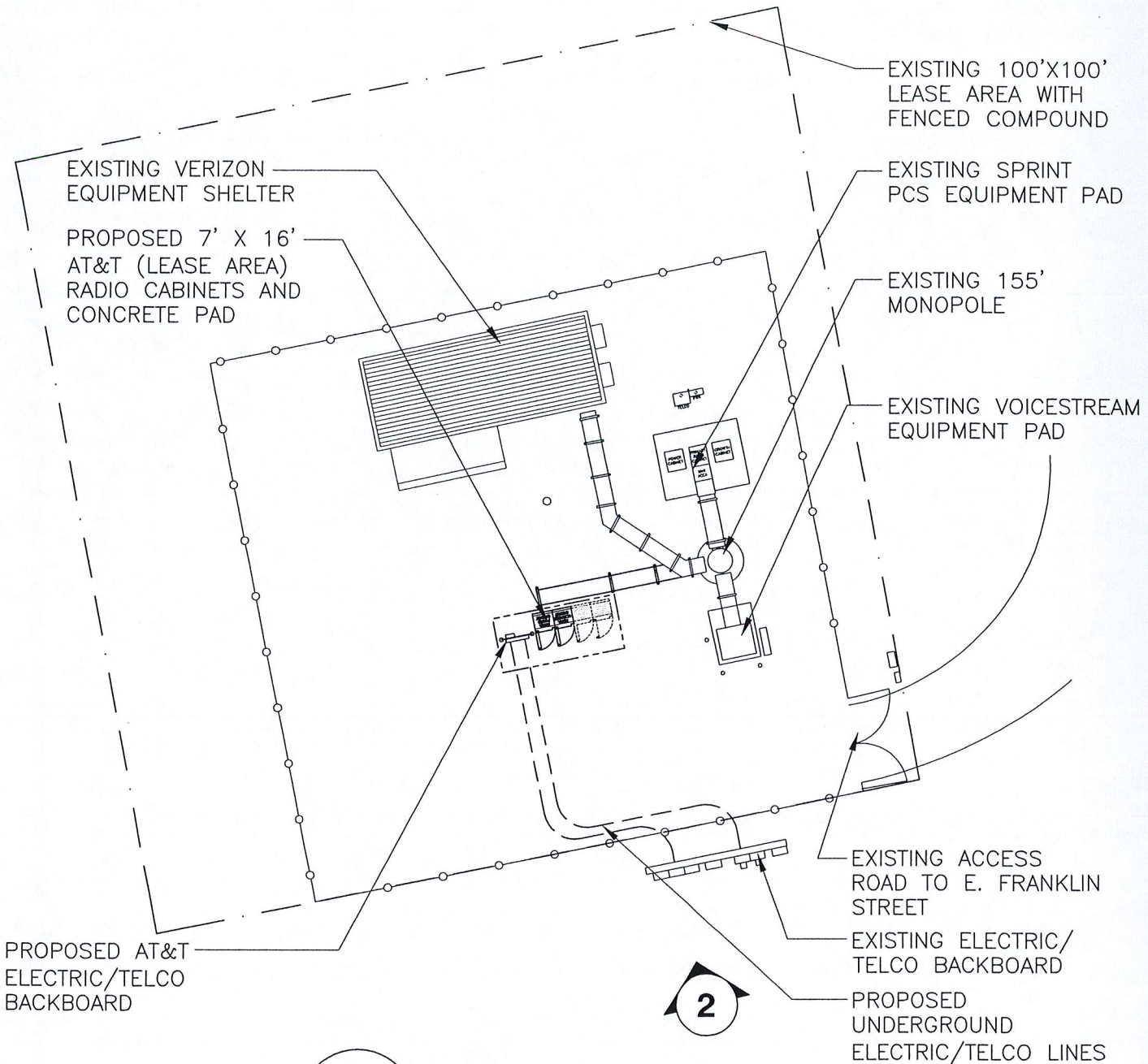


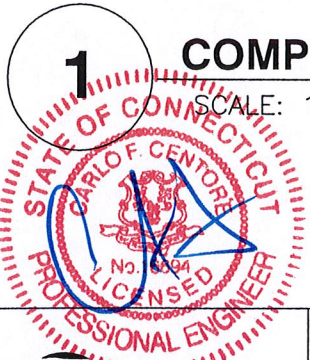
Exhibit B



1 COMPOUND PLAN

SCALE: 1" = 20'-0"

NOTE:
 LATITUDE: 41° 47' 45.1"
 LONGITUDE: 71° 52' 12.6"
 COORDINATES WHERE TAKEN
 WITH A HAND HELD GPS



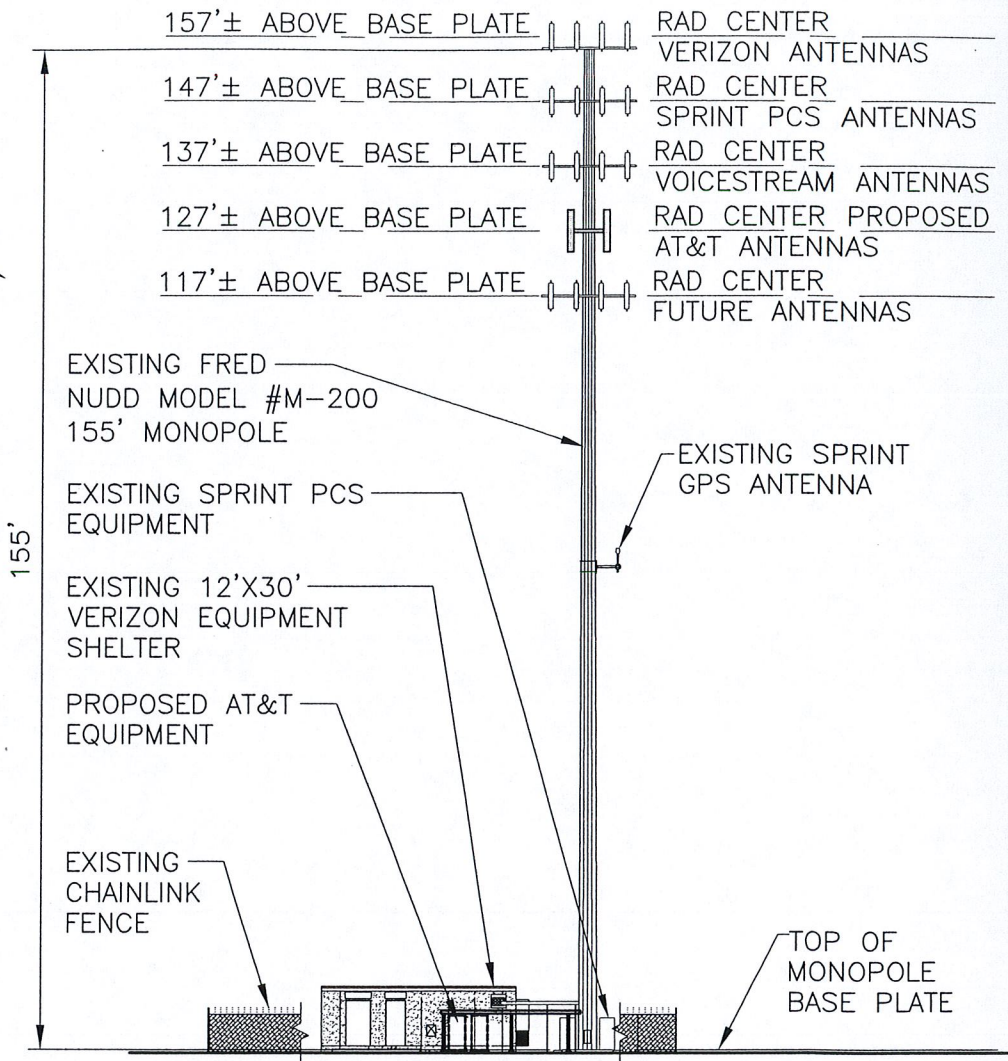
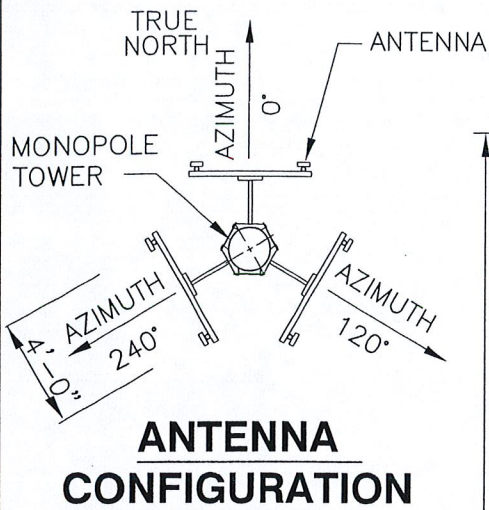
"ISSUED FOR SITING COUNCIL"

Natcomm, LLC
 63-2 North Branford Road
 Branford, Connecticut 06405
 Tel. (203) 488-0580
 Fax (203) 488-8587
 Consulting Engineers - Project Management
 Civil - Structural - Mechanical - Electrical

AT&T
 AT&T WIRELESS PCS LLC
 12 OMEGA DRIVE
 STAMFORD, CONNECTICUT 06907

DRAWING TITLE: SITING COUNCIL
PROJECT INFORMATION:
 DANIELSON
 CT-483
 246 EAST FRANKLIN STREET
 KILLINGLY, CT 06374
LESSOR:
 SBA, INC.
 80 EASTERN BLVD.
 GLASTONBURY, CT 06033

DRAWING NO.	
907-009-483A-SC01-1	
REVISION NO. 1	DRAWN BY: CMS
DATE ISSUED: 06/27/02	CHECKED BY: JJP
SCALE: AS NOTED	APPROVED BY: CFC
SHEET NO. 1 OF 2	
A/E PROJECT NO:	467A



2

TOWER ELEVATION

SCALE: 1" = 30'-0"

STRUCTURAL NOTES:

1. MONOPOLE TOWER REWORK FOR SBA NETWORK SERVICES. SITE DANIELSON, CT (CT00302-S) 155' NUDD M-200 MONOPOLE. BY o2wireless Solutions 309 SPANGLER DRIVE SUITE D RICHMOND, KENTUCKY 40475 (859) 623-0024 JOB NO. 2230-020 ENGINEER: JOHN MATHIS LICENSED NO. 14220. DATED MAY 24, 2002
2. MONOPOLE TOWER STRUCTURAL ANALYSIS REPORT FOR SBA NETWORK SERVICES. SITE DANIELSON, CT (CT00302-S) 155' NUDD M-200 MONOPOLE. BY o2wireless Solutions 309 SPANGLER DRIVE SUITE D RICHMOND, KENTUCKY 40475 (859) 623-0024 JOB NO. 2230-020 ENGINEER: JOHN MATHIS LICENSED NO. 14220. DATED MAY 23, 2002

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 Fax (203) 488-8587
 Consulting Engineers-Project Management
 Civil-Structural-Mechanical-Electrical

AT&T
 AT&T WIRELESS PCS LLC
 12 OMEGA DRIVE
 STAMFORD, CONNECTICUT 06907

DRAWING TITLE: SITING COUNCIL
PROJECT INFORMATION: DANIELSON CT-483 246 EAST FRANKLIN STREET KILLINGLY, CT 06374
LESSOR: SBA, INC. 80 EASTERN BLVD. GLASTONBURY, CT 06033

DRAWING NO. 907-009-483A-SC02-1

REVISION NO. 1	DRAWN BY: CMS
DATE ISSUED: 06/27/02	CHECKED BY: JJP
SCALE: AS NOTED	APPROVED BY: CFC
	SHEET NO. 2 OF 2
A/E PROJECT NO:	467A

Exhibit C



Cellular Division
RF Engineering Department

Bechtel Telecommunications
Address: 210 Pomeroy Ave
Suite 201, Meriden, CT 06450
TEL: 203-639-0640
FAX: 203-238-2068

June 26, 2002

Re: CT-483
245 East Franklin St., Killingly, CT, 06374

As per your request, attached is the RF Exposure Analysis for the proposed AT&T Wireless antenna facility located at 245 East Franklin St.

Thank you for giving me an opportunity to respond to your inquiry about the safety of this wireless antenna facility. **The maximum level of RF energy associated with simultaneous and continuous operations of all transmitters at this facility will be less than safety criteria adopted by the Federal Communications Commission as mandated by the Telecommunications Act of 1996. Therefore, this wireless antenna facility fully complies with FCC regulations regarding human exposure to RF energy.**

This antenna facility is an integral part of the wireless infrastructure that provides mobile communication services to individuals, businesses, and safety agencies throughout our community and the nation. People rely on wireless phones for personal safety and security. At the same time, many public service agencies depend on wireless technology to provide disaster relief and emergency services. AT&T Wireless Services is committed to providing safe and efficient wireless communication services to everyone who depends on wireless phones for personal safety, convenience and emergency communications.

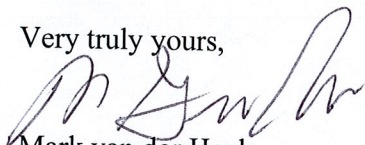
Cellular systems use low power radio signals that operate in the same frequency band as UHF television and PCS frequencies have been used by utilities and public safety agencies throughout our communities for years. Wireless antenna facilities transmit low power radio signals to carry telephone conversations. These personal wireless base station antennas typically operate at one hundred watts or less per channel and are placed in inaccessible locations on towers and rooftops. The power density decreases rapidly as one moves away from the antenna, creating very low-level signals at ground level and points of public access. In addition, wireless phones operate at the lowest power needed to maintain contact with the base station – between 0.1-0.6 watts. Therefore, when new antenna sites are added in a system, the operating power of both the antenna facilities and the phones decreases as the distance between the antenna sites and the phones is reduced.

Wireless antenna facilities comply with FCC rules governing the safety of radio emissions. Under the Telecommunications Act of 1996, the FCC has exclusive jurisdiction over the safety of RF emissions from personal wireless antenna facilities. Public Law 104-104, Section 704(a)(7)(B)(iv). The FCC rules constitute a national RF exposure standard that reflects the consensus of the federal agencies charged with protecting public health and the environment, including the FDA, EPA, NIOSH, and OSHA. AT&T Wireless Service sites comply with all FCC rules regulating RF emissions and safety.

The Telecommunications Act of 1996 recognizes the importance of ensuring the integrity of wireless communication networks that provide nationwide communication services. Nevertheless, we understand people's concerns about health and safety and we recognize our responsibility to address those concerns. Consequently, I have prepared the attached power density report to demonstrate that the Weston antenna facility site will comply with FCC regulations governing the safety of RF emissions. The report indicates that under maximum operating conditions, the highest power density in a publicly accessible area is 0.002777 milliwatts per square centimeter. As other transmitters are also located at this site, I have calculated the combined exposures for all transmitters at this site. I find that the combined exposures are 0.43 % of the Maximum Permissible Exposure for uncontrolled populations; 234 times lower than the maximum permissible limit allowed for the public.

Wireless communication services make people and communities safer by providing mobile communications support for law enforcement, disaster relief, and personal emergencies. Wireless antenna facilities carry the calls that support the needs of our customers and communities. I hope that the enclosed report answers your questions regarding the safety of this site. If you have any additional questions about this site, I may be reached at 801-718-5065.

Very truly yours,



Mark van der Hoek

Sr. RF Engineer

Bechtel Telecommunications.

AT&T Wireless Services, Inc.



**RF Exposure Analysis for Proposed
AT&T Wireless Antenna Facility**

907-009-483

26 June 2002

**Prepared by AT&T Wireless Services, Inc.
Mark G. van der Hoek RF Engineer**

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1. Introduction

This report constitutes an RF exposure analysis for the proposed AT&T Wireless antenna facility to be located at 245 East Franklin St, Killingly, CT 06374. This analysis uses site-specific engineering data to determine the predicted levels of radio frequency (RF) electromagnetic energy in the vicinity of the proposed facility and compares those levels with the Maximum Permissible Exposure (MPE) limits established by the Federal Communications Commission.

2. Site Data

Site Name: <i>Danielson</i>	
Number of simultaneously operating channels	12
Type of antenna	Allgon 7250.03
Power per channel (Watts ERP)	250.0 Watts
Height of antenna (feet AGL)	127 feet
Antenna Aperture Length	5 feet

3. RF Exposure Prediction

The following equations established by the FCC, in conjunction with the site data, were used to determine the levels of RF electromagnetic energy present in the vicinity of the proposed facility¹:

$$PowerDensity = \frac{0.64 * N * EIRP(\theta)}{\pi * R^2} (mW/cm^2) \quad Eq. 1-Far-field$$

Where, N = Number of channels, R = distance in cm from the RC (Radiation Center) of antenna, and $EIRP(\theta)$ = The isotropic power expressed in milliwatts in the direction of prediction point. This is the correct equation for antennas which have their gain expressed in dBi, which is the usual case for the PCS bands.

$$PowerDensity = \frac{P_{in} / ch * N * 10^3}{2 * \pi * R * h * \alpha / 360} (mW/cm^2) \quad Eq. 2-Near-field$$

Where P_{in}/ch = Input power to antenna terminals in watts/ch, R = distance to center of radiation, h = aperture height in meters, α = 3 dB beam-width of horizontal pattern.

¹ RF exposure is measured and predicted in terms of power density in units of milliwatts (mW), a thousandth of a watt, or microwatts (μW), a millionth of a watt, per square centimeter (cm^2). Data comparing predictive analysis with on site measurements has demonstrated that power density can be effectively predicted at given locations in the vicinity of a wireless antenna facility.

4. FCC Guidelines for Evaluating the Environmental Effects of RF Radiation

In 1985, the FCC established rules to regulate radio frequency (RF) exposure from FCC licensed antenna facilities. In 1996, the FCC updated these rules, which were further amended in August 1997 by a Second Memorandum Opinion and Order. These new rules represent a consensus of the federal agencies responsible for the protection of public health and the environment, including the Environmental Protection Agency (EPA), the Food and Drug Administration (FDA), the National Institute for Occupational Health and Safety (NIOSH), and the Occupational Safety and Health Administration (OSHA).

Under the laws that govern the delivery of wireless communications services in the United States, as amended by the Telecommunications Act of 1996, the FCC has exclusive jurisdiction over RF emissions from personal wireless antenna facilities, which include cellular, PCS, messaging and aviation sites.² Pursuant to its authority under federal law, the FCC has established rules to regulate the safety of emissions from these facilities.

5. Comparison with Standards

Exhibit A shows the levels of RF electromagnetic energy as one moves away from the antenna facility. As shown in Exhibit A, the maximum power density is 0.002777 mW/cm² which occurs at 160 feet from the antenna facility. The chart in exhibit A also shows that the power density is only 0.000180 mW/cm² at a distance of 4 feet. Table 1 below shows the Maximum Permissible Exposure (MPE) limits established by the FCC. There are different MPE limits for public/uncontrolled and occupational/controlled environments.

Table 1: Maximum Permissible Exposure limits for RF radiation

<i>Frequency</i>	<i>Public/Uncontrolled</i>	<i>Occupational/controlled</i>	<i>Maximum power density at Accessible location</i>
Cellular	.580 mW/cm ²	2.9 mW/cm ²	0.002777 mW/cm ²
PCS	1 mW/cm ²	5 mW/cm ²	

The maximum power density at the proposed facility represents only 0.43% of the public MPE limit for PCS frequencies.

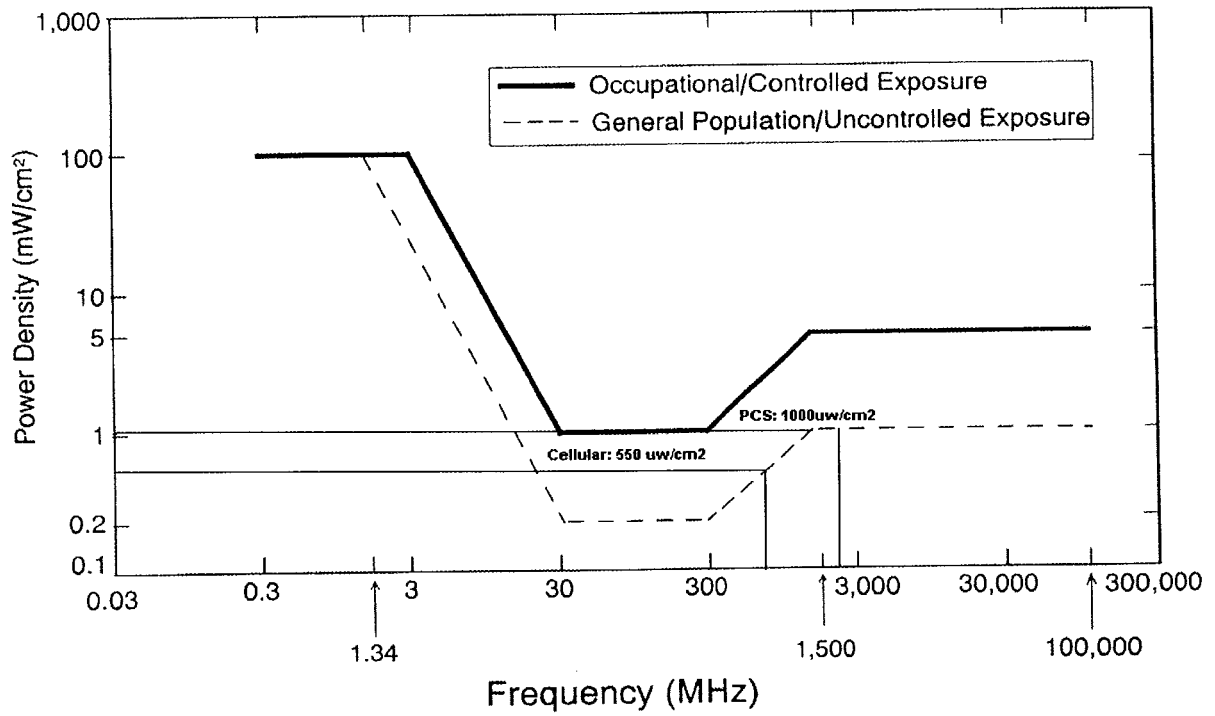
6. Conclusion

This analysis show that the maximum power density in accessible areas at this location is 0.002777 mW/cm², a level of RF energy that is well below the Maximum Permissible Exposure limit established by the FCC.

² 47 U.S. C. Section 332 (c) (7)(B)(iv) states that “[n]o State or local government or instrumentality thereof may regulate the placement, construction, and modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that such facilities comply with the Commission’s regulations concerning such emissions.”

7. FCC Limits for Maximum Permissible Exposure

FCC Limits for Maximum Permissible Exposure (MPE)
Plane-wave Equivalent Power Density



AT&T Wireless Services, Inc.

8. Exhibit A

9. For Further Information

Additional information about the environmental impact of RF energy from personal wireless antenna facilities can be obtained from the Federal Communications Commission:

Dr. Robert Cleveland
Federal Communications Commission
Office of Engineering and Technology
Washington, DC 20554

RF Safety Program: 202-418-2464
Internet address: rfsafety@fcc.gov
RF Safety Web Site: www.fcc.gov/oet/rfsafety

10. References

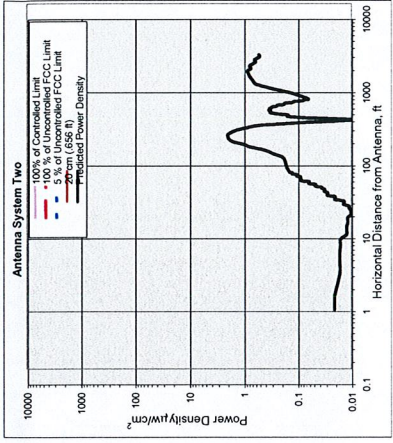
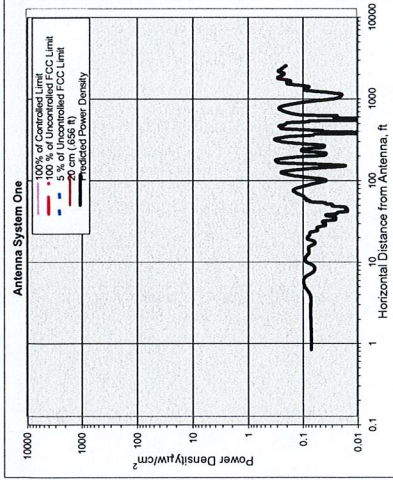
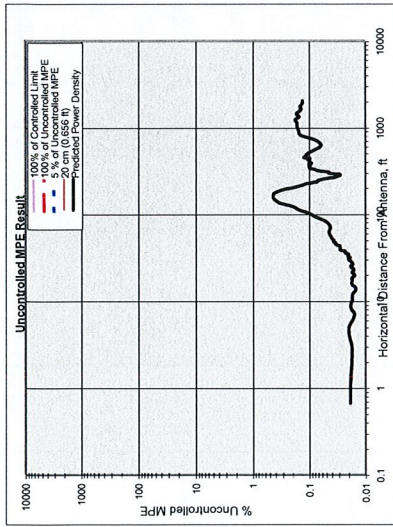
[1] The Communications Act of 1934, as amended by the Telecommunications Act of 1996, 47 U.S.C. Section 332 (c)(7)(B)(iv).

[2] *Guidelines for Evaluating the Environmental Effects of Radio frequency Radiation*, Notice of Proposed Rulemaking, ET Docket 93-62, 8 FCC Rcd 2849 (1993).

[3] *Guidelines for Evaluating the Environmental Effects of Radio frequency Radiation*, Report and Order, ET Docket 93-62, FCC 96-326, adopted August 1, 1996. 61 Federal Register 41006 (1996).

[4] *Guidelines for Evaluating the Environmental Effects of Radio frequency Radiation*, Second Memorandum Opinion and Order, ET Docket 93-62, adopted August 25, 1997.

[5] *Evaluating Compliance with FCC Guidelines for Human Exposure to Radio frequency Electromagnetic Fields*, OET Bulletin 65, August, 1997.



Number of Antenna Systems: 4
Meets FCC Controlled Limits for The Antennas Systems.

Meets FCC Uncontrolled Limits for The Antenna Systems.

Meets 5% of FCC Uncontrolled Limits for The Antenna Systems.

No Further Analysis Required.

Power Density	Power Density	@HORIZ. Dist.
mW/cm ²	% of limit	feet
Maximum Power Density = 0.00277	0.43	160.00
234.67 times lower than the MPE limit for uncontrolled environment		
Composite Power (ERP) = 19,500.00	Watts	

Site ID: 907-009-483
Site Name: Danielson
Site Location: 246 East Franklin St.
Killingly, CT, 06374

Performed By: Mark G van der Hook
Date: 6/26/02

Ant System ONE Owner: AT&T
Sector: 3
Azimuth: 01/20/240

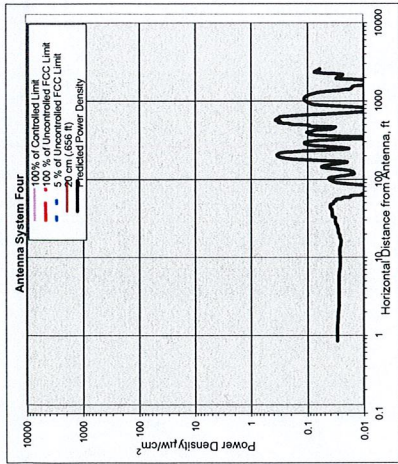
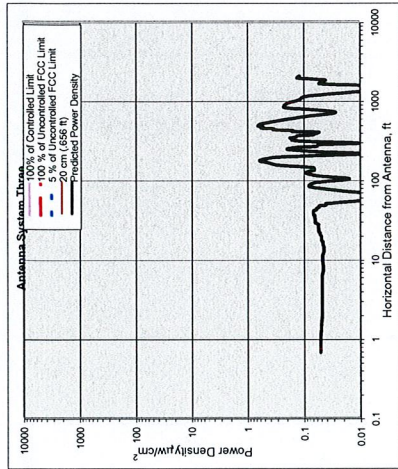
Antenna System One

Parameter	Value
Frequency	1945.00
# of Channels	12
Max ERP/Ch	250.00
Max Pwr/Ch Into Ant.	5.86
Max Pwr/Ch Into Ant. (Center of Radiator)	127.00
Calculation Point (above ground or roof surface)	0.00
Antenna Model No.	Alipon 7250.03
Max Ant Gain	16.30
Down tilt	0.00
Miscellaneous Att.	0.00
Height of aperture	5.11
Ant LTBW	65.00
Distance to Ant. (feet)	124.45
WGS-1	Y/N/P

Antenna System Two

Parameter	Value
Frequency	860.00
# of Channels	30
Max ERP/Ch	250.00
Max Pwr/Ch Into Ant.	15.77
Max Pwr/Ch Into Ant. (Center of Radiator)	157.00
Calculation Point (above ground or roof surface)	0.00
Antenna Model No.	DB644-H90-XY
Max Ant Gain	12.00
Down tilt	0.00
Miscellaneous Att.	0.00
Height of aperture	4.00
Ant LTBW	90.00
Distance to Ant. (feet)	155.00
WGS-1	Y/N/P

Ant System TWO Owner: Verizon
Sector: 3
Azimuth: 01/20/240



Antenna System Three

Parameter	Value
Frequency	1945.00
units	MHz
# of Channels	12
Max ERP/Ch	500.00
Watts	11.19
Max Pwr/Ch Into Ant.	147.00
feet	0.00
Calculation Point (Center of Radiator)	0.00
feet	0.00
(above ground or roof surface)	0.00
Antenna Model No.	Alligon 7250.02
Max Ant Gain	16.50
dBd	0.00
Down tilt	0.00
degrees	0.00
Miscellaneous Att	0.00
dB	5.11
Height of aperture	65.00
feet	144.45
Ant H/BW	144.45
degrees	144.45
Distance to Ant.	144.45
feet	144.45
WGS?	Y/N?
	n

Ant System Three Owner: Sprint
Sector: 3
Azimuth: 0/120/240

Antenna System Four

Parameter	Value
Frequency	1945.00
units	MHz
# of Channels	12
Max ERP/Ch	250.00
Watts	5.60
Max Pwr/Ch Into Ant.	137.00
feet	0.00
Calculation Point (Center of Radiator)	0.00
feet	0.00
(above ground or roof surface)	0.00
Antenna Model No.	Alligon 7250.02
Max Ant Gain	16.50
dBd	0.00
Down tilt	0.00
degrees	0.00
Miscellaneous Att	0.00
dB	5.11
Height of aperture	65.00
feet	134.45
Ant H/BW	134.45
degrees	134.45
Distance to Ant.	134.45
feet	134.45
WGS?	Y/N?
	n

Ant System Four Owner: Voicestream
Sector: 3
Azimuth: 0/120/240