

# DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

## BUILDING INSPECTION PERMIT

Please Read  
Application And  
Notes, If Any,  
Attached

Permit Number: 061503  
**PERMIT ISSUED**  
NOV 14 2006  
CITY OF PORTLAND

This is to certify that SPRINT SPECTRUM LP AGENCY: PROPERTY TAX DEPARTMENT  
has permission to Change existing antennas not located at this building height new mode  
AT 0 PRESUMPSCOT ST 415 B006002

provided that the person or persons who accept this permit shall comply with all of the provisions of the Statutes of the State and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and when permission is procured before this building or part thereof is occupied or service is provided. 4 HOUR NOTICE REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

### OTHER REQUIRED APPROVALS

Fire Dept. \_\_\_\_\_  
Health Dept. \_\_\_\_\_  
Appeal Board \_\_\_\_\_  
Other \_\_\_\_\_  
Department Name

*[Signature]* 11/3/06  
Director - Building & Inspection Services

**PENALTY FOR REMOVING THIS CARD**

**City of Portland, Maine - Building or Use Permit Application**

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 06-1505	Issue Date: <b>PERMIT ISSUED</b>	415 B006002
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Location of Construction: 507 PRESUMPTSCOT ST	Owner Name: SPRINT SPECTRUM LP ATTN: P	Owner Address: PO BOX 8430	Phone: [ ]
Business Name:	Contractor Name: T Mobile Construction / Bill Martin	Contractor Address: 15 Commerce Way	Phone: 5082362738
Lessee/Buyer's Name	Phone:	Permit Type: Radio/Telecommunications Tower	Zone: I-M

Past Use: Telecommunications Tower	Proposed Use: Telecommunications Tower - Change existing antennas now located at 170' mounting height to new model	Permit Fee: \$70.00	Cost of Work: \$5,000.00	CEO District: 4
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**Proposed Project Description:**  
Change existing antennas now located at 170' mounting height to new model

<b>FIRE DEPT:</b> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	<b>INSPECTION:</b> Use Group: <u>U</u> Type: <u>Tower</u> <i>JBC 2003</i>
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>

**PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)**

Action:  Approved  Approved w/Conditions  Denied

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Permit Taken By: ldobson	Date Applied For: 10/13/2006	<b>Zoning Approval</b>	
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- This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
- Building permits do not include plumbing, septic or electrical work.
- Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

<p><b>Special Zone or Reviews</b></p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetland</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p>Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/></p> <p>Date: <i>9/10/27/06</i></p>	<p><b>Zoning Appeal</b></p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date: _____</p>	<p><b>Historic Preservation</b></p> <p><input checked="" type="checkbox"/> Not in District or Landmark</p> <p><input type="checkbox"/> Does Not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Date: _____</p>
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**CERTIFICATION**

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

**City of Portland, Maine - Building or Use Permit**

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

<b>Permit No:</b> 06-1505	<b>Date Applied For:</b> 10/13/2006	<b>CBL:</b> 415 B006002
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<b>Location of Construction:</b> 503-525 PRESUMPSCOT ST	<b>Owner Name:</b> SPRINT SPECTRUM LP ATTN: P	<b>Owner Address:</b> PO BOX 8430	<b>Phone:</b>
<b>Business Name:</b>	<b>Contractor Name:</b> T Mobile Construction / Bill Martin	<b>Contractor Address:</b> 15 Commerce Way Norton	<b>Phone</b> (508) 286-2738
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> Radio/Telecommunications Tower	

<b>Proposed Use:</b> Telecommunications Tower - Change existing antennas now located at 170' mounting height to new model	<b>Proposed Project Description:</b> Change existing antennas now located at 170' mounting height to new model
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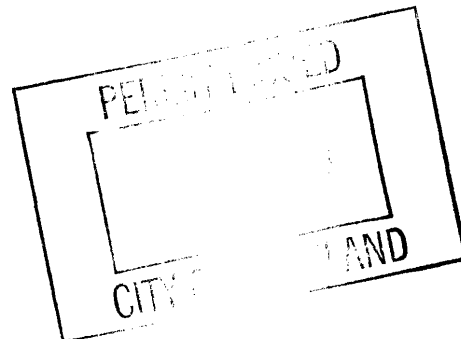
**Dept:** Zoning      **Status:** Approved with Conditions      **Reviewer:** Marge Schmuckal      **Approval Date:** 10/27/2006  
**Note:**      **Ok to Issue:**

- 1) It is understood that the existing tower height will not be increased for the new antenna mounting.
- 2) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.

**Dept:** Building      **Status:** Approved with Conditions      **Reviewer:** Tammy Munson      **Approval Date:** 11/03/2006  
**Note:**      **Ok to Issue:**

- 1) A structural engineer must perform a final inspection prior to the City of Portland performing a final inspection.

**Dept:** Fire      **Status:** Not Applicable      **Reviewer:** Cptn Greg Cass      **Approval Date:** 10/30/2006  
**Note:**      **Ok to Issue:**





# General Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: 503-525 Presumpscot Street		
Total Square Footage of Proposed Structure Not Applicable		Square Footage of Lot
Tax Assessor's Chart, Block & Lot Chart#      Block#      Lot# 415          B              006002	Owner: Sprint Spectrum LP	Telephone: 978-399-8600
Lessee/Buyer's Name (If Applicable) Omnipoint Communications, Inc.	Applicant name, address & telephone: 15 Commerce Way Norton, MA 02766	Cost Of Work: \$ 5,000 Fee: \$ 70 C of O Fee: \$
Current Specific use: <u>wireless communications facility</u> If vacant, what was the previous use? _____ Proposed Specific use: <u>Same</u>		
Project description: Change existing antennas now located at 170' mounting height to new model <i>on existing tower</i>		
Contractor's name, address & telephone: T-Mobile construction manager - Bill Martin 508-286-2738 Who should we contact when the permit is ready: Mailing address: Phone: <u>Peter Cooke - 978-399-8600</u> Wellman Associates, Inc. PO Box 738 Westford, MA 01886		

Please submit all of the information outlined in the Commercial Application Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information visit us on-line at [www.portlandmaine.gov](http://www.portlandmaine.gov), stop by the Building Inspections office, room 315 City Hall or call 874-8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant: <i>[Signature]</i>	Date: 10/11/06
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This is not a permit; you may not commence ANY work until the permit is issued.

This page contains a detailed description of the Parcel ID you selected. Press the **New Search** button at the bottom of the screen to submit a new query.

### Current Owner Information

**Card Number** 1 of 1  
**Parcel ID** 415 B006002  
**Location** PRESUMPCOT ST  
**Land Use** MULTI-USE COMMERCIAL

**Owner Address** SPRINT SPECTRUM LP ATTN: PROPERTY TAX DEPARTMENT  
 PO BOX 8430  
 KANSAS CITY MO 64114

**Book/Page**  
**Legal** 415-B-6 419A-A-5  
 PRESUMPCOT ST 503-525  
 OCEAN AVE  
 BLDG ON LEASED LAND

### Current Assessed Valuation

<b>Land</b>	<b>Building</b>	<b>Total</b>
\$ 0.00	\$67,980	\$67,980

### Building Information

<b>Bldg #</b>	<b>Year Built</b>	<b># Units</b>	<b>Bldg Sq. Ft.</b>	<b>Identical Units</b>
		0	0	0

<b>Total Acres</b>	<b>Total Buildings</b>	<b>Sq. Ft.</b>	<b>Structure Type</b>	<b>Building Name</b>
0	0			TOWER BASE ONLY, LAND IS ON #1

### Exterior/Interior Information

<b>Section</b>	<b>Levels</b>	<b>Size</b>	<b>Use</b>
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<b>Height</b>	<b>Walls</b>	<b>Heating</b>	<b>A/C</b>
		NONE	NONE
		NONE	NONE
		NONE	NONE
		NONE	NONE
		NONE	NONE
		NONE	NONE
		NONE	NONE
		NONE	NONE

### Building Other Features

<b>Line</b>	<b>Structure Type</b>	<b>Identical Units</b>
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### Yard Improvements

<b>Year Built</b>	<b>Structure Type</b>	<b>Length or Sq. Ft.</b>	<b># Units</b>
1992	FENCE CHAIN	2080	1
1992	UTITILY STONE	20	1



**Optimizer® Panel Dual Polarized Antenna**

**Product Description**

This variable tilt antenna provides exceptional suppression of all upper sidelobes at all downtilt angles. It also features null fill and a wide downtilt range with optional remote tilt.



All information contained in the present datasheet is subject to confirmation at time of ordering



**Optimizer® Panel Dual Polarized Antenna**

**Features/Benefits**

- **Variable electrical downtilt - provides enhanced precision in controlling intercell interference. The tilt is infield adjustable 0-10 deg.**
- **High Suppression of all Upper Sidelobes (Typically <-20dB).**
- **Optional remote tilt - can be retrofitted.**
- **Broadband design.**
- **Dual polarization.**
- **Low profile for low visual impact.**

**Technical Features**

Frequency Band	3G/UMTS (Single, Broad, Dual and Triple-Band)
Horizontal Pattern	Directional
Antenna Type	Panel Dual Polarized
Electrical Down Tilt Option	Variable
Gain, dBi (dBd)	18.8 (16.7) , 19.0 (16.9)
Frequency Range, MHz	1710-1900 , 1900-2170
Connector Type	(2) 7-16 DIN Female
Connector Location	Bottom
Mount Type	Downtilt
Electrical Downtilt, deg	0-10
Horizontal Beamwidth, deg	67 , 63
Mounting Hardware	APM40-2
Rated Wind Speed, km/h (mph)	160 (100)
VSWR	< 1.5:1
Vertical Beamwidth, deg	5.0 , 4.6
Upper Sidelobe Suppression, dB	>17 , >18 all (Typically >20)
Polarization	Dual pol +/-45°
Front-To-Back Ratio, dB	> 30
Maximum Power Input, W	300
Isolation between Ports, dB	> 30
Lightning protection	Direct Ground
3rd Order IMP @ 2 x 43 dBm, dBc	> 150
7th Order IMP @ 2x46 dBm, dBc	> 170
Overall Length, m (ft)	1.85 (6.06)
Dimensions - HxWxD, mm (in)	1850 x 175 x 80 (72.0 x 6.8 x 3.15)

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**RFS The Clear Choice™**

**APXV18-206517-C**

**Print Date: 10.10.2006**



**Optimizer® Panel Dual Polarized Antenna**

Weight w/o Mtg Hardware, kg (lb)	12 (26.4)
Weight w/ Mtg Hardware, kg (lb)	14.8 (32.5)
Radiating Element Material	Brass
Radome Material	Fiberglass
Reflector Material	Aluminum
Max Wind Loading Area, m <sup>2</sup> (ft <sup>2</sup> )	0.45 (4.7)
Survival Wind Speed, km/h (mph)	200 (125)
Maximum Thrust @ Rated Wind, N (lbf)	558 (125)
Front Thrust @ Rated Wind, N (lbf)	558 (125)
Shipping Weight, kg (lb)	18.3 (39.8)
Packing Dimensions, HxWxD, mm (in)	2021 x 260 x 200 (79.5 x 10.2 x 7.8)
Packing Dimensions - HxWxD, m (ft)	2.0 x 0.26 x 0.2 (6.6 x 0.85 x 0.65)

**Note**

For additional mounting information please click "Additional Product Information" below.

All information contained in the present datasheet is subject to confirmation at time of ordering

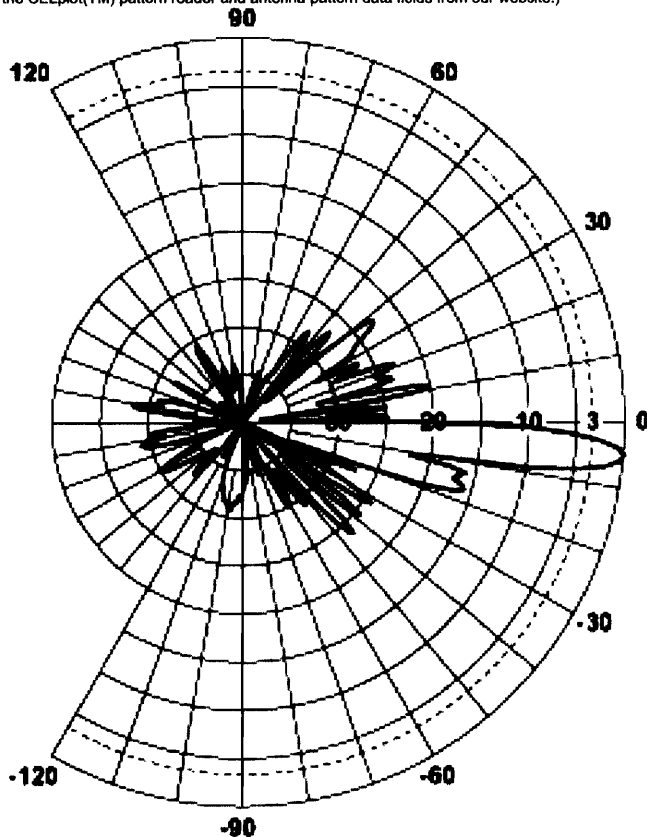




Optimizer® Panel Dual Polarized Antenna

Vertical Pattern

(This is a general representation of the antenna family pattern. For the latest detailed pattern contact Applications Engineering. You may also download the CELplot(TM) pattern reader and antenna pattern data fields from our website.)



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RFS The Clear Choice™

APXV18-206517-C

Print Date: 10.10.2006

Please visit us on the internet at <http://www.rfsworld.com>

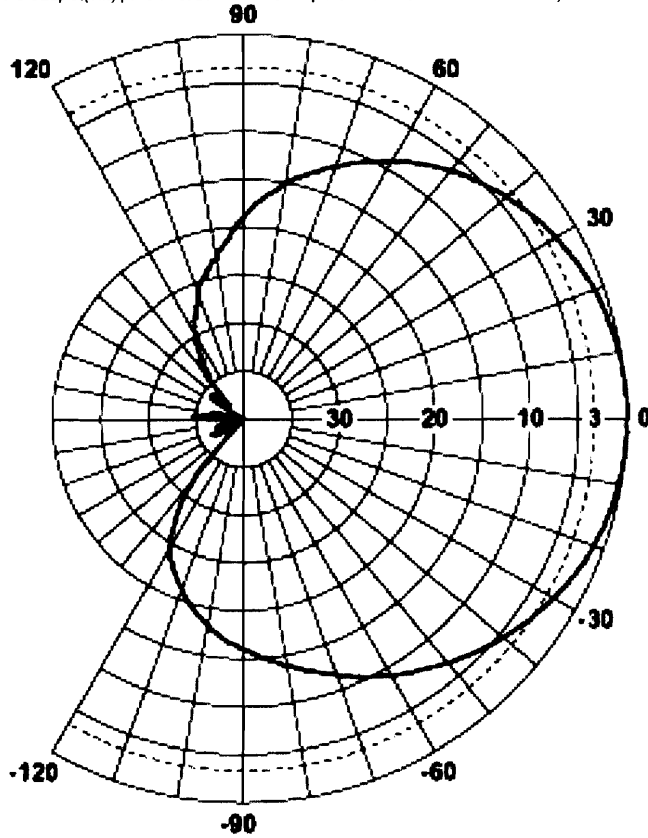
Radio Frequency Systems



**Optimizer® Panel Dual Polarized Antenna**

**Horizontal Pattern**

(This is a general representation of the antenna family pattern. For the latest detailed pattern contact Applications Engineering. You may also download the CELplot(TM) pattern reader and antenna pattern data fields from our website.)



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**RFS The Clear Choice™**

**APXV18-206517-C**

**Print Date: 10.10.2006**

Please visit us on the internet at <http://www.rfsworld.com>

Radio Frequency Systems

# WELLMAN ASSOCIATES, INC.

70 BROADWAY STREET  
P.O. BOX 738  
WESTFORD, MA 01886  
(978) 589-9870  
FACSIMILE (978) 589-9421

October 12, 2006

Ms. Tammy Munson  
Code Enforcement Officer, Plan Reviewer  
Planning & Development Department – Inspections Division  
City of Portland  
389 Congress Street  
Portland, ME 04101

RE: Existing T-Mobile Wireless Communications Facility  
503-525 Presumpscot Street

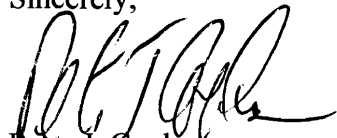
Dear Ms. Munson:

On behalf of Omnipoint Communications, Inc. dba T-Mobile, please find the enclosed General Building Permit Application and building permit fee in connection with the above referenced property. The Applicant proposes only to change its existing antennas now installed on the tower to a new, more efficient model. No other changes to the installation or the site are proposed. For your reference, please also find enclosed the Technical Data Sheet for the proposed antenna and a copy of the original building plans for this site.

We have informally discussed this with the Planning Department and were told a maintenance activity such as this would not require Site Plan approval nor the filing of the Site Plan Exemption form.

Please call me with any questions concerning this application at (978) 399-8600. Thank you.

Sincerely,



Peter J. Cooke

Cc: M. Dion – Omnipoint Communications, Inc.