#### FRANCHISE AGREEMENT

#### **BETWEEN**

# THE CITY OF GREENSBORO, NORTH CAROLINA

#### **AND**

**Alltel Communications of North Carolina Limited Partnership** 

8921 Research Drive Charlotte, NC 28262 (704) 510-8744

Joe Sisko, Engineer Verizon Network Operations

#### **FOR**

# TELECOMMUNICATION SERVICE

First Council Reading March \_\_\_\_\_, 2017 Second Council Reading April \_\_\_\_\_, 2018

#### **RETURN TO:**

John Gribble, Franchise Manager City of Greensboro, Information Technology Department PO Box 3136 Greensboro, NC 27402-3136 336-373-2464

Email: john.gribble@greensboro-nc.gov

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#### FRANCHISE AGREEMENT

**THIS AGREEMENT** is made and entered into as of this \_\_\_\_ day of \_\_\_\_\_, 2018, by and between the City of Greensboro, North Carolina, hereinafter referred to as "City" and Alltel Communications of North Carolina Limited Partnership, with its principal place of business at 8921 Research Drive, Charlotte, NC 28262, hereinafter referred to as "Franchisee".

**WHEREAS** the City is authorized to grant one or more nonexclusive, revocable, franchises to construct, operate, and maintain a small cell telecommunications system (as such term is generally referenced under rules and regulations promulgated by the Federal Communications Commission) within the City to provide wireless telecommunications services:

**WHEREAS** Franchisee will construct and operate a telecommunications system as set forth herein:

WHEREAS the City, after due evaluation, has determined that it is in the best interest of the City and its residents to grant a franchise to Franchisee for a ten (10) year term.

**NOW, THEREFORE, IN CONSIDERATION** of the mutual promises and covenants contained herein, the parties do mutually agree as follows:

#### I. Grant of franchise.

- (a) Franchisee is hereby granted for itself and its successors and assignees, subject to the terms and conditions of this Franchise, the right, privilege, and authority to construct, operate, maintain, and reconstruct a small cell telecommunications system within the streets, alleys, and public rights-of-way of the City for the purpose of providing telecommunications service. Franchisee shall provide a modern telecommunications system in accordance with this Franchise.
- (b) This Franchise is subject to the Chapter 28.1 of the Greensboro Code of Ordinances, (hereafter referred to as the "Telecommunications Ordinance"), as amended and in effect from time to time. Nothing in this Franchise shall be deemed to waive the requirements of the various codes and ordinances of the City regarding permits, fees to be paid, or manner of construction.

- (c) For the purpose of operating and maintaining a telecommunications system in the City, Franchisee may erect, in, over, under, or upon, across, and along the public streets, alleys, and rights-of-way within the City such wires, cables, fiber optics, conductors, ducts, conduits, vaults, manholes, poles, amplifiers, antennas, appliances, pedestals, attachments, and other property and equipment as are necessary and appurtenant to the operation of the telecommunications system in the City and in accordance with this Franchise and the Telecommunications Ordinance.
- (d) Franchisee is authorized to utilize the City's streets, alleys and other rights of way only under the terms of this Franchise Agreement with the City.

# II. Effective date of Franchise, effect upon existing Franchise.

The effective date of this Franchise shall be the date of second passage of this Franchise by the Greensboro City Council.

#### III. Term.

(a) Term. The term of the franchise shall be for a period of ten (10) years from the effective date. unless sooner terminated as provided Telecommunications Ordinance, at which time it shall expire and be of no further force and effect. The term of said franchise shall be extended for five (5) years from the end of the ten (10) year term in the event Franchisee has substantially complied with the material terms and conditions of this franchise and the ordinance over the term prior to action by Council in this matter. At the end of any such extension of the term, the franchise shall be extended for an additional five (5) years only in the event Franchisee has substantially complied with the material terms and conditions of this franchise and the ordinance over the term prior to action by Council in this matter.

- (b) Option notice. Within ninety (90) days after the first day of the seventh year of the franchise term, if Franchisee elects to exercise the first five (5) year extension, Franchisee shall provide written notice by certified letter to the City that it seeks the five (5) year extension to extend the initial ten (10) year term. If such extension is granted in accordance with the terms of this Agreement, and Franchisee subsequently elects to exercise the second five (5) year extension, then, within ninety (90) days after the first day of the fourth year of the first five (5) year extension term, Franchisee shall provide notice by certified letter to the City that it seeks the second five (5) year extension. Such notices shall include Franchisee's statement that to its knowledge it has substantially complied with the material terms and conditions of the franchise and ordinance, or cured any breaches of this Agreement after receipt of any required notices received pursuant to Section XIV(b) and any information Franchisee may provide in support of its request.
- (c) Compliance notice. Within ninety (90) days of receipt from Franchisee, the City shall review the notice and supporting information provided by Franchisee and shall notify Franchisee in writing that the relevant extension is deemed effective or alternatively that Franchisee has substantially failed to cure an event of non-compliance with this Agreement following receipt of notice of non-compliance previously given from the City in compliance with Section XIV(b). If the City fails to notify Franchisee within the 90-day period, the relevant five (5) year extension shall be deemed to be granted and no further action by the City or Franchisee shall be required.
- (d) Public hearing. If the City contends that Franchisee has failed to cure a noncompliance with said franchise or ordinance pursuant to a notice previously given in compliance with Section XIV(b), it shall present written documentation to Franchisee. If Franchisee does not demonstrate that it cured such non-compliance within sixty (60) days of notice, or, has commenced to cure said non-compliance as soon as reasonably practicable (if such non-compliance cannot be cured within sixty (60) days), the City shall present written documentation and evidence to the City Council, (including, but not limited to, the information supplied by Franchisee), no later than one hundred twenty (120) days after notification to Franchisee that the City contends that Franchisee has not cured a failure to comply with the material terms and conditions of this franchise as specified in (c) above after receipt of written notice. Upon receipt of the documentation and evidence, the City Council shall schedule a public hearing. At such public hearing, Franchisee shall have the right to present its documentation and evidence in support of its position.

(e) Decision. If after reviewing all documentation and evidence, the City Council decides that either (i) Franchisee never received a notice of non-compliance from the City, or (ii) that Franchisee has cured (or has commenced to cure) the non-compliance specified in any notice previously given in accordance with Section XIV(b), the relevant extension shall be deemed granted. If the City Council decides that Franchisee has not cured (or commenced to cure) any non-compliance referenced in a written notice previously given to Franchisee pursuant to Section XIV(b), it shall adopt a resolution stating the same. If such a resolution is adopted, Franchisee has the right to contest in a court of appropriate jurisdiction, the City Council's action. The foregoing processes contained in subsection (c), (d) and (e) of this Section III shall apply to all extension rights granted to Franchisee.

#### IV. Franchise nonexclusive.

Franchise nonexclusive. Consistent with the requirements of the Telecommunications Ordinance, this Franchise shall not be construed as any limitation upon the right of the City to grant to other persons, rights, privileges, or authorities similar to the rights, privileges, and authorities herein set forth, in the same or other streets, alleys, or other public rights-of-way. The City specifically reserves the right to grant at any time during the term of this Franchise or renewal thereof, if any, such additional franchises for a telecommunications system as it deems appropriate.

# V. Incorporation of the Telecommunications Ordinance by reference and resolution of conflicts.

All terms, conditions and provisions of Chapter 28.1 of the Greensboro Code of Ordinances shall be deemed to be embodied in this Franchise, and the express terms of said Chapter 28.1 shall prevail over conflicting or inconsistent provisions of this Franchise, unless this Franchise specifically and expressly modifies the terms of the Chapter 28.1. This Franchise Agreement shall prevail over any conflicting or inconsistent provisions of the Appendices attached hereto.

#### VI. Definitions.

All definitions set forth by City Telecommunications Ordinance pertain to this Franchise and shall be relevant to the purposes and meaning of this Franchise.

#### VII. Service area.

(a) Service area. The service area of the Franchisee shall be as specified in **Appendix A**, attached hereto and incorporated by reference. The service area may be extended upon the approval of the City. Such approval to extend the service area shall not be unreasonably withheld.

# VIII. System and capacity.

- (a) System. Franchisee's system will generally consist of equipment attached to existing utility poles or run through underground conduit. Franchisee's system may also include equipment (including antenna, radio equipment, battery backup and other necessary appurtenances), with the approval of the City through its permitting process, on new poles or structures placed by Franchisee. The system shall be constructed in accordance with industrystandard specifications, including the National Electric Safety Code. The system shall be constructed in accordance with the illustrative specifications in Appendix B, attached hereto and incorporated by reference.
- (b) Construction oversight. Franchisee shall provide necessary supervision to construct the system in a workmanlike manner as specified in **Appendix C**, attached hereto and incorporated by reference. Franchisee shall provide contact numbers for supervisors of construction to the City as specified in **Appendix C**.
- (c) Compliance with applicable law. In constructing, operating and maintaining the system, Franchisee shall at all times comply with ordinance and all applicable laws and regulations.
- (d) *Drops.* Franchisee shall construct all customer drops to meet the standards of the National Electric Code.
- (e) Equipment quality. Equipment used for the telecommunications system shall be of good and durable quality and be serviced and repaired on a regular basis and shall at all times be of equal or better quality than the equipment and/or specifications listed in Appendix B, attached hereto and incorporated by reference. City acknowledges that the equipment referenced upon Appendix B is referenced for illustrative purposes only to establish examples of the type of equipment and associated specifications utilized in typical small cell system installations. City acknowledges that the actual equipment utilized by Franchisee may vary from the specific equipment types referenced in

**Appendix B** but that shall be equal to or better quality than the type of equipment listed on **Appendix B**. After initial installation and construction, Franchisee shall give City prior notice of any material modifications or substitutions of Franchisee's equipment used in connection with the small cell system.

- (f) *Technical standards*. The telecommunications system permitted to be operated hereunder shall be installed and operated in conformance with the ordinance, this franchise, and Federal and State rules and regulations.
- (g) Employee identification. Franchisee shall provide a standard identification document to all employees, including employees of subcontractors, who will be in contact with the public. Such documents shall include a telephone number that can be used to verify identification. In addition, Franchisee shall use its best efforts to clearly identify all field personnel, vehicles, and other major equipment that are operating under the authority of Franchisee.
- (h) Underground Drops. The cost for replacing aerial drops with underground placement will be determined by the location of the utility drops. If the customer is served underground for power, there will be no charge for the replacement. If the customer has imminent plans to change the placement of the power drop, the cable drop will be replaced at no charge upon completion. There will be a time and material charge assessed only if underground replacement is requested though power is served aerially.

#### IX. Construction.

- (a) Construction manual. Franchisee shall construct the telecommunications system in accordance with industry-standard practices.
- (b) Underground construction. Franchisee shall participate in and use The North Carolina 811 One-Call Center. In City designated urban areas where open trench construction methods are utilized, warning tapes shall be installed in newly constructed areas directly above pipe and conduit at a depth of 6 inches below finished grade unless otherwise indicated. Where directional boring installations are utilized, a tracer wire or other acceptable industry means must be applied to permit location of the newly installed facility. Types and locations of all underground markers must be in accordance with current City policies and construction standards. All new manholes and handholes, and existing handholes and manholes that involve new work must have all lines in the holes labeled with the company's identification as well as all manhole and handhole tops.

Temporary underground drops shall be buried within one month of installation.

- Erection, Maintenance and Repairs. All lines overhead and underground, (c) and poles used by the said company shall be erected in accordance with current City policies and construction standards. All highways, roads, streets, sidewalks, avenues, lanes, alleys, bridges, and other public places that may be disturbed or damaged in the construction or maintenance of said lines, poles, and appurtenances shall be repaired or replaced, within 48 hours, provided that if due to the nature of the damage the necessary repair or maintenance cannot be completed within 48 hours, then Franchisee shall promptly commence such repair or maintenance and diligently and continually prosecute same until completion, unless a written variance is granted. All repairs shall be by the said company at their own expense, in accordance with applicable City construction standards and All poles, overhead and underground installations and policies. appurtenances shall be substantial and located as not to interfere with the public use and maintenance of the said highways, roads, streets, sidewalks, avenues, lanes, alleys, bridges, and other public places, or to endanger the property or citizens of the City. All overhead lines must be tagged at each pole tie with a City approved tag for purposes of line identification as observed from the ground below. The tag must be manufactured to withstand the elements of weathering and ultraviolet ray deterioration.
- (d) Relocation of Lines and Appurtenances. At the direction of the City, the company will at their own expense, move and relocate any of their lines, or other property or structures as necessary for the construction, widening, relocating, extending, or otherwise improving of streets, public ways, and utilities of the City as located within or outside the City limits, upon which the said property is located. The time line for relocates must be in accordance with reasonable City directives.

#### X. Franchise renewal.

This Franchise may be renewed by the City in accordance with Federal law and the Telecommunications Ordinance.

# XI. Police powers.

In accepting this Franchise, Franchisee acknowledges that its rights hereunder are subject to the police powers of the City to adopt and enforce general ordinances necessary to the safety and welfare of the public and it agrees to comply with all applicable general laws and ordinances enacted by the City pursuant to such power, as provided by ordinance.

# XII. Franchise fee and performance bond.

- (a) Franchise fee payments. The city reserves the right to charge an annual franchise fee for the use of the rights-of-way for a telecommunications system. The current rate of the annual franchise fee is zero dollars and zero cents (\$0.00) per linear foot of public right-of-way per year for the system during the period of its operation under the Franchise, such fee being subject to amendment by an ordinance of general applicability. In the event an ordinance shall increase the fee from zero dollars and zero cents (\$0.00), the increased fee shall be calculated on an annual pro-rated basis and shall be paid to the City within thirty (30) days of the effective date of the ordinance. Application fees and franchise fees, to the extent assessed by the City, shall not exceed amounts prescribed in accordance with applicable North Carolina statutory authority. Each payment shall be accompanied by a brief report showing the basis for recomputation and such other relevant facts as may be required by the City and such report shall be certified as true by a financial officer of the Franchisee.
- **(b)** Bonds. Franchisee shall furnish a performance bond to City of \$50,000 starting on the effective date of this Franchise and for the life of the Franchise, to guarantee the faithful performance of all the Franchisee's obligations under the Franchise and the Telecommunications Ordinance.

# XIII. Regulation.

- (a) *Authority*. The City shall exercise appropriate regulatory authority under the provisions of the Telecommunications Ordinance and this Franchise. Regulation may be exercised through any duly designated City office or duly established Board or Commission or other body of the City.
- (b) Waiver. Franchisee, by accepting the rights hereby granted, agrees that it will perform and keep all acts and obligations imposed, represented or promised by the provisions of this Franchise and the Telecommunications Ordinance.

#### XIV. Remedies.

- (a) Schedule of liquidated damages. Because Franchisee's failure to comply with material provisions of this Franchise and Telecommunications Ordinance will result in injury to the City, and because it will be difficult to estimate the extent of such injury, the City and Franchisee hereby agree that the liquidated damages and penalties stated below represent both parties' best estimate of the damages resulting from the specified injury.
- For the violation of any of the following, the City shall notify (b) Violations. Franchisee in writing of the violation. The City shall provide Franchisee with a detailed written notice of any franchise violation upon which it proposes to take action, and a ninety (90) day period within which Franchisee may demonstrate that a violation does not exist or to cure an alleged violation or, if the violation cannot be corrected in 90 days, to submit a plan satisfactory to the City to correct the violation. If an alleged violation is proven to exist, and no cure or action on a plan reasonably acceptable to the City has been received by the City within ninety (90) days following Franchisee's receipt of written notice of violation, such liquidated damages shall be chargeable to the performance bond as set forth in the Telecommunications Ordinance if not tendered by Franchisee within thirty (30) days of the expiration of the foregoing 90 day period. Franchisee may petition the City Council for relief with just cause. The imposition of liquidated damages shall not preclude the City from exercising the other enforcement provisions of Telecommunications Ordinance, including revocation, or other statutory or judicially imposed penalties. For violation of material provisions of this Franchise, liquidated damages may be imposed of up to \$500.00/day for each day that either (i) the violation continues uncured, or (ii) that Franchisee has failed to commence such cure.
- (c) Force majeure. In the event that Franchisee shall be delayed or hindered in or prevented from the performance of any act required hereunder by reason of unusually severe weather, Acts of God, strikes, lock-outs, labor troubles, inability to procure materials, failure of power, riots, insurrection, war or other reason of a like nature not the fault of Franchisee or delayed in performing work or doing acts required under the terms of this agreement, then performance of such act shall be excused for the period of the delay and the period for the performance of any act shall be extended for a period equivalent to the period of such delay.

# XV. Cooperation.

The parties recognize that it is within their mutual best interests for the telecommunications system to be operated as efficiently as possible in accordance with the requirements set forth in this Franchise. To achieve this, parties agree to cooperate with each other in accordance with the terms and provisions of this Franchise. Should either party believe that the other is not acting timely or reasonably within the confines of applicable regulations and procedures in responding to a request for action, that party shall notify the appropriate person or agents.

#### XVI. Waiver.

The failure of the City at any time to require performance by Franchisee of any provision hereof shall in no way affect the right of the City hereafter to enforce the same. Nor shall the waiver by the City of any breach of any provision hereof be taken to be a waiver of any succeeding breach of such provision, or as a waiver of the provision itself.

#### XVII. Cumulative provision.

The rights and remedies reserved to the City by this Franchise are cumulative and shall be in addition to and not in derogation of any other rights or remedies which the City may have with respect to the subject matter of this Franchise, and a waiver thereof at any time shall have no effect on the enforcement of such rights or remedies at a future time.

# XVIII. Captions.

Captions to sections throughout this Franchise are solely to facilitate the reading and reference to the sections and provisions of the Franchise. Such captions shall not affect the meaning or interpretation of the Franchise.

# XIX. No joint venture.

Nothing herein shall be deemed to create a joint venture or principal-agent relationship between the parties, and neither party is authorized to, nor shall either party act toward third persons or the public, in any manner, which would indicate any such relationship with the other.

# XX. Entire agreement.

This Agreement and all attachments hereto, and Telecommunications Ordinance and all attachments thereto, as incorporated herein, represent the entire understanding and agreement between the parties hereto with respect to the subject matter hereof, supersede all prior oral negotiations between the parties, and can be amended, supplemented, modified, or changed only by a written document executed by the parties.

# XXI. Severability.

If any section, subsection, sentence, clause, phrase, or portion of this Agreement is, for any reason, held invalid or unconstitutional by any court of competent jurisdiction, such portion shall be deemed a separate, distinct, and independent provision and such holding shall not affect the validity of the remaining portions of this Agreement, except as provided for in the Telecommunications Ordinance.

E-Verify - The Vendor certifies that it currently complies with the requirements of Article 2 of Chapter 64 of the North Carolina General Statutes, and that at all times during the term of this Agreement, it will continue to comply with these requirements. The Vendor also certifies that it will require that all of its subcontractors that perform any work pursuant to this Agreement to comply with the requirements of Article 2 of Chapter 64 of the North Carolina General Statutes. Violation of this section shall be deemed a material breach of this Agreement.

**IN WITNESS WHEREOF**, the parties hereto have caused this Agreement to be executed as of the day and year first above written.

ATTEST:	CITY OF GREENSBORO NORTH CAROLINA
City Clerk	Mayor
Information & Technology	Assistant City Manager
(This instrument has been preaudited in the manner Required by the Local Government Budget and Fiscal Control Act.)	Approved as to form and legality.
Finance Officer	Assistant City Attorney
	Alltel Communications of North Carolina Limited Partnership
Witness	

#### APPENDIX A

## SERVICE AREA

Following the adoption by the City and issuance of the franchise to Franchisee in accordance with this Agreement, Franchisee will submit one or more maps of the proposed small cell locations, which maps will accompany applications filed by Franchisee. Franchisee and the City shall work cooperatively and in good faith to approve the map and range of service area to be served by Franchisee under the franchise, and each of Franchisee and City shall approve such service area, as mutually agreed upon in writing, and which shall be deemed incorporated into and a part of this Agreement.

# **APPENDIX B**

# **SYSTEM SPECIFICATIONS**







- X-Pol Small Cell
- Internally Duplexed
- · Suitable for Pole or Building mount
- Dual Broadband Radiators
- Internal Beam combining
- Integrated Global Position System (GPS) option

#### **Includes Integrated Duplexers**

Requires half the number of feeder cables



#### **Electrical Specifications**

698-824	824-896	1710-1880	1850-1990	1920-2170
32.7	27.8	16.4	15.3	14.2
+/-45°		+/-45°		
C	0°		0°	
1.7:1/11.7		1.7:1/11.7		
-2	:5	-25		
-150		-150		
50		50		
250		125		
	32.7 +/- 0 1.7:1, -2 -1: 5	32.7 27.8 +/-45° 0° 1.7:1/11.7 -25 -150 50	32.7 27.8 16.4 +/-45° 0° 1.7:1/11.7 -25 -150 50	32.7   27.8   16.4   15.3   +/-45°   0°   0°   0°   1.7:1/11.7   1.7:1/11.7   -25   -25   -150   50   50

#### Electrical Specifications based on Antenna Configuration

Antenna Model		698-	698-824		1710-1880		1920-2170	
	No of beams	Beamwidth	Gain dBi	Beamwidth	Gain dBi	Beamwidth	Gain dB	
CYL-X7CAP-2-C	1	*360°	6.1	*360°	9.1	*360°	9.7	
CYL-X7CAP-2-H	1	*240°	7.1	*240°	11.2	*240°	11.6	
CYL-X7CAP-2-P	1	*180°	7.1	*180°	11.2	*180°	11.6	
CYL-X7CAP-2-T	3	70°	10.6	62°	14	59°	14.5	
CYL-X7CAP-2-B	2	70°	10.6	62°	14	59°	14.5	

<sup>\*</sup> Beamwidth represented for functional purposes only. See pattern diagram for beam shape

www.cssantenna.com 410-612-0080 customerservice@cssantenna.com





# GPS Specification 26dB Internal amplifier with Enhanced Narrow Band Filtering

Frequency	Amplifier Gain	VSWR	Maximum Noise	Voltage Range	Current @ 5V	Filtering	Out of band rejection	Lightening protection
1575.42Mhz ±1.2Mhz	26.5dB ± 3dB	<2.0:1	4.5dB @ 25°C	3.3 - 12V regulated	40mA	4 stages including preselector	65dB @ 1559Mhz 65dB @ 1625Mhz	EN61000-4-5 Level 4

#### **Mechanical Specifications**

Dimensions, Height/Diameter	24.2/15.1 in (615/384 mm)	
Antenna RF Connector Type	7/16 DIN Female	
Antenna RF Connector Torque	DIN 220-265 lbf-in (23-30 N-m)	
GPS Connector Type	Mini DIN Female (4.1-9.5 per IEC 61169-4)	
GPS Connector Torque	Mini-DIN 88.5 lbf-in (10 Nm)	
Connector Location	Bottom	
Radome Material	PVC	
Wind Survival	150 mph (241 km/h)	
Front Wind Load	45.9 lbf (204.18N) @100mph	
Equivalent Flat Plate	0.91 sq-ft (c=2) @ 100mph	

# Mechanical Specification based on Antenna Configuration

Antenna model	Beam	Connector types & quantity		Antenna W	eight (Estimate)
	configuration	Antenna 7/16 DIN	GPS Mini-DIN	Antenna	Antenna w GPS option
CYL-X7CAP-2-C	Omni Clover	2	1	22 lbs (10 kg)	23 lbs (10.4 kg)
CYL-X7CAP-2-H	Omni Heart	2	1	22 lbs (10 kg)	23 lbs (10.4 kg)
CYL-X7CAP-2-P	Omni Peanut	2	1	17 lbs (7.7 kg)	18 lbs (8.2 kg)
CYL-X7CAP-2-T	Tri-Sector	6	1	22 lbs (10 kg)	23 lbs (10.4 kg)
CYL-X7CAP-2-B	Bi-Sector	4	1	17 lbs (7.7 kg)	18 lbs (8.2 kg)



#### **Order Information**

Models	Description					
CYL-X7CAP-2-C	OMNI CLOVER					
CYL-X7CAP-2-C	Cantenna with 2 DIN connectors Clover Omni pattern with integrated Duplexer					
CYL-X7CAP-2-C-G	Cantenna with 2 DIN connectors Clover Omni pattern w integrated Duplexer & GPS with 1 mini-DIN					
CYL-X7CAP-2-H	OMNI HEART					
CYL-X7CAP-2-H	Cantenna with 2 DIN connectors Heart Omni pattern with integrated Duplexer					
CYL-X7CAP-2-H-G	Cantenna with 2 DIN connectors Heart Omni pattern w integrated Duplexer & GPS with 1 mini-DIN					
CYL-X7CAP-2-P	OMNI PEANUT					
CYL-X7CAP-2-P	Cantenna with 2 DIN connectors Peanut Omni pattern with integrated Duplexer					
CYL-X7CAP-2-P-G	Cantenna with 2 DIN connectors Peanut Omni pattern w integrated Duplexer & GPS with 1 mini-DIN					
CYL-X7CAP-2-T	THREE SECTORS					
CYL-X7CAP-2-T	Cantenna with 6 DIN connectors (3) 65° sectors with integrated Duplexer					
CYL-X7CAP-2-T-G	Cantenna with 6 DIN connectors (3) 65° sectors with integrated Duplexer & GPS with 1 mini-DIN					
CYL-X7CAP-2-B	TWO SECTORS					
CYL-X7CAP-2-B	Cantenna with 4 DIN connectors (2) 65° sectors with integrated Duplexer					
	Cantenna with 4 DIN connectors (2) 65° sectors with integrated Duplexer & GPS with 1 mini-DIN					





# Mechanical Outline Drawing

# CYL-X7CAP-2 Ø15.1 in - [384 mm] Ø15.1 in - [384 mm] 29.2 in [740 mm] 24.2 in [614 mm] Antenna without GPS Antenna With GPS -%"-14 Threaded Stud for Antenna Mounting DETAIL A

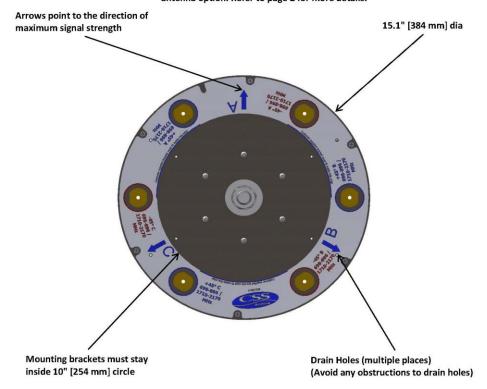


#### Mechanical Outline Drawing

#### CYL-X7CAP-2 Bottom

\* Shown below is the bottm view of the Omni 3-Sector option.

Connector location & count may vary depending on antenna option. Refer to page 2 for more details.



All Specifications are subject to change.

Refer to www.cssantenna.com for the most current information

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Radio Model	Height (mm/in)	Width (mm/in)	Depth (mm/in)	Weight (kg/lbs)	TX Config
RRUS B13 (available)	500 / 19.7	431 / 17.0	182 / 7.17	24.0 / 52.91	2 x 40W (B13)
4TX, RBB_44				48.0 /105.82	4 x 40W (B13)
RRUS12 (available)	518 / 20.4	470 / 18.54	190 / 7.45	26.3 / 57.98	2 x 60W (B5)
4TX, RBB_44				52.6 /115.96	4 x 60W (B5)

HI-Band (AWS and PCS)					
Radio Model	Height (mm/in)	Width (mm/in)	Depth (mm/in)	Weight (kg/lbs)	TX Config
RRUS11 (available)	500 / 19.7	431 / 17.0	182 / 7.17	24.0 / 52.91	2 x 40W (B4 or B2)
4TX, RBB_44				48.0 /105.82	4 x 40W (B4 or B2)
RRUS12 (available)	518 / 20.4	470 / 18.54	190 / 7.45	22.4 / 49.38	2 x 60W (B4 or B2)
4TX, RBB_44				44.8 / 98.76	4 x 60W (B4 or B2)

#### **APPENDIX C:**

# CONTRACTOR CONTACT INFORMATION AND CONSTRUCTION OVERSIGHT

Following the full execution of this Agreement between City and Franchisee and adoption by the City, Franchisee shall solicit bids from qualified contractors for the construction and installation of the small cell telecommunications system contemplated to be installed and operated by Franchisee. Franchisee will identify and provide to the City contact information for Franchisee's contractor that will handle engineering, permitting, and post-construction matters for construction and installation of the system. At such time that the contractor is selected to such bid process, Franchisee shall provide the following contractor contact information to the City - Attention John Gribble:

- Contractor name
- Email address
- Physical mailing address
- Phone number

Should Franchisee contract with another contractor prior to the completion of the system, Franchisee shall promptly provide such new contractor's contact information to City. Franchisee shall notify the City in advance should another contractor be substituted for the initial contractor selected by Franchisee.

The primary in-house contact for Franchisee on this project will be provided on the application.