



CITY OF KIRKLAND
PLANNING AND COMMUNITY DEVELOPMENT
123 Fifth Avenue, Kirkland, WA 98033 - 425.587.3225
www.kirklandwa.gov

PERSONAL WIRELESS SERVICE FACILITY APPLICATION

This application packet is designed to obtain all the information necessary to allow the City to make a well informed decision on your application. Please refer to the attached application checklist to determine the materials which must be submitted to complete your application. All application materials are public information.

Your application will be evaluated on the basis of the information you provide, the criteria listed in the pertinent section of the Zoning Code, the Kirkland Comprehensive Plan, other City regulatory ordinances, inspection of the property, as well as public comments.

YOU ARE ENCOURAGED TO MEET WITH A PLANNER FROM THE DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT PRIOR TO AND DURING PROJECT DESIGN TO DISCUSS PROJECT COMPLIANCE WITH CITY REGULATIONS. YOU MUST MEET WITH A PLANNER IN A PRE-SUBMITTAL MEETING BEFORE YOUR APPLICATION WILL BE ACCEPTED FOR PROCESSING.

Copies of City documents such as the Comprehensive Plan, Zoning Ordinance, Subdivision Ordinance, and Shoreline Master Program are available at the Department of Planning and Community Development in City Hall, 123 Fifth Avenue; and the Kirkland Public Library, 308 Kirkland Avenue. To purchase the Comprehensive Plan or Zoning Ordinance, call Code Publishing Company at (206) 527 6851. The City ordinances can also be found on-line at www.kirklandwa.gov.

As a result of your application, you may be required to make improvements, such as sidewalks, curbs, street trees, or utilities undergrounding within the rights-of-way abutting your property. Please refer to Chapter 110 of the Zoning Ordinance and/or consult with a planner to determine if this is the case.

Zoning Code Chapter 117 regulates Personal Wireless Service Facilities (PWSF) in the City of Kirkland. A new or replacement PWSF may be allowed through a Planning Official decision, Process I, Process IIA, or Process IIB. The review process is determined by the type and location of the proposed PWSF, pursuant to Kirkland Zoning Code Chapter 117.40. In some cases, a SEPA checklist and/or public notice is required.

NOTE: Information provided by the Department of Planning and Community Development represents a preliminary, qualified assessment which is based on the information provided by the applicant/contact person. More detailed technical review of a specific development permit application may disclose additional substantive or procedural requirements. Furthermore, in the case of a discretionary zoning permit, the role and the authority of the City staff is advisory only. A final decision on such a permit can only be made, after public comment and/or a public hearing, by the Planning Director, Hearing Examiner, or City Council, depending upon the type of permit.

APPLICATION FORM: PERSONAL WIRELESS SERVICE FACILITY

PROCESS (Circle one) Planning Official I IIA IIB Modification
Wireless company (legal name as applicant) and address: _____

UBN: _____

PRIMARY CONTACT PERSON:

Contact person's name: _____ Daytime Phone: _____
Contact's mailing address: _____
Contact's e-mail address: _____

Note: If applicant is not property owner, he/she must be authorized as agent (see page 2)

SECONDARY CONTACT PERSON

Land owner's name and address: _____ Daytime Phone: _____
Facility owner's name and address (if applicable): _____ Daytime Phone: _____
e-mail address: _____

AN ELECTRONIC COPY OF OR A WEB LINK TO THE STAFF REPORT, MEETING AGENDAS AND THE NOTICE OF FINAL DECISION WILL BE EMAILED TO THE APPLICANT AT THE ABOVE LISTED EMAIL ADDRESS. IF YOU PREFER TO RECEIVE A PAPER COPY, THEY ARE AVAILABLE UPON REQUEST. PLEASE INDICATE IF YOU WOULD ALSO LIKE A COPY OF THESE MATERIALS TO BE SENT TO THE PROPERTY OWNER'S EMAIL ADDRESS:

YES _____ NO _____

(1) Property address (if vacant, indicate lot or tax number, access street and nearest intersection): _____

(2) Tax parcel number: _____

(3) The property is zoned: _____ and is presently used as: _____

(4) Describe permit application and the nature of project (attach additional pages if necessary):

(5) List all previous permits for the subject property. If you are applying to replace a PWSF, identify the permit that approved the PWSF to be replaced. _____

(6) Have you met with a planner prior to submitting your application? YES___ NO___

Name of planner: _____

Date of pre-submittal meeting: _____

YOUR APPLICATION WILL NOT BE COMPLETE UNTIL ALL DOCUMENTS LISTED ON THE APPLICATION CHECKLIST ARE SUBMITTED.

YOU MAY NOT BEGIN ANY ACTIVITY BASED ON THIS APPLICATION UNTIL A DECISION, INCLUDING THE RESOLUTION OF ANY APPEAL, HAS BEEN MADE. CONDITIONS OR RESTRICTIONS MAY BE PLACED ON YOUR REQUEST IF IT IS APPROVED. AFTER THE CITY HAS ACTED ON YOUR APPLICATION, YOU WILL RECEIVE FORMAL NOTICE OF THE OUTCOME. IF AN APPEAL IS FILED, YOU MAY NOT BEGIN ANY WORK UNTIL THE APPEAL IS SETTLED. YOU MAY ALSO NEED APPROVALS FROM OTHER CITY DEPARTMENTS. PLEASE CHECK THIS BEFORE BEGINNING ANY ACTIVITY.

If you suspect that your site contains a stream or wetland or is adjacent to a lake, you may need a permit from the state or federal government.

APPLICATION FORM: PERSONAL WIRELESS SERVICE FACILITY

STATEMENT OF OWNERSHIP/DESIGNATION OF AGENT

The undersigned property owners, under penalty of perjury, each state that we are all of the legal owners of the property described in Exhibit A, which is attached as page 3 of this application, and designate Odelia Pacific (agent for Verizon Wireless) to act as our agent with respect to this application.

AUTHORITY TO ENTER PROPERTY

I/we acknowledge that by signing this application I/we are authorizing employees or agents of the City of Kirkland to enter onto the property which is the subject of this application during the hours of 7:00 a.m. to 5:00 p.m., Monday through Friday, for the sole purpose of making any inspection of the limited area of the property which is necessary to process this application. In the event the City determines that such an inspection is necessary during a different time or day, the applicant(s) further agrees that City employees or agents may enter the property during such other times and days as necessary for such inspection upon 24 hours notice to applicant(s), which notice will be deemed received when given either verbally or in writing.

HOLD HARMLESS AGREEMENT -- READ CAREFULLY BEFORE SIGNING

The undersigned in making this application certifies under penalty of perjury, the truth and/or accuracy of all statements, designs, plans and/or specifications submitted with said application and hereby agrees to defend, pay, and save harmless the City of Kirkland, its officers, employees, and agents from any and all claims, including costs, expenses and attorney's fees incurred in investigation and defense of said claims whether real or imaginary which may be hereafter made by any person including the undersigned, his successors, assigns, employees, and agents, and arising out of reliance by the City of Kirkland, its officers, employees and agents upon any maps, designs, drawings, plans or specifications, or any factual statements, including the reasonable inferences to be drawn therefrom contained in said application or submitted along with said application.

I certify (or declare) under penalty of perjury under the laws of the State of Washington that the above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Applicant		Property Owner	
Signature: _____	_____	Signature: _____	_____
Name: _____	_____	Name: _____	_____
Address: _____	_____	Address: _____	_____
_____	_____	_____	_____
Telephone: _____	_____	Telephone: _____	_____
Registered Agent (Licensed in Washington State)		Facility Owner	
Signature: _____	_____	Signature: _____	_____
Name: _____	_____	Name: _____	_____
Address: _____	_____	Address: _____	_____
_____	_____	_____	_____
Telephone: _____	_____	Telephone: _____	_____

APPLICATION FORM: PERSONAL WIRELESS SERVICE FACILITY

EXHIBIT A: LEGAL DESCRIPTION

**APPLICATION CHECKLIST:
 PERSONAL WIRELESS SERVICE FACILITY**

The following is a list of materials that must be submitted in order to have a complete application. Please do not turn in your application until all materials that apply to your proposal have been completed and checked off. A Notice of Application (if applicable) will not be issued until your application materials are complete.

RETURN THIS CHECKLIST WITH YOUR APPLICATION

	<u>REQUIRED</u>	<u>RECEIVED</u>
<u>Pre-Submittal Meeting</u>		
A meeting with a planner is required within the three months immediately prior to submittal.	<input type="checkbox"/>	<input type="checkbox"/>
<u>Application Forms and Supporting Written Materials</u>		
A completed application form and supporting affidavits (attached).	<input type="checkbox"/>	<input type="checkbox"/>
A completed and signed <u>Environmental Checklist</u> (unless exempt).	<input type="checkbox"/>	<input type="checkbox"/>
A completed application questionnaire (attached).	<input type="checkbox"/>	<input type="checkbox"/>
<u>Fees</u>		
A check payable to the City of Kirkland for the filing fee and, if applicable, Environmental Checklist review fee.	<input type="checkbox"/>	<input type="checkbox"/>
<i>NOTE:</i> Other fees, including Park Impact Fees and Road Impact Fees, may be required during the development review process.		
<u>Neighborhood Meetings</u>		
A neighborhood meeting is encouraged for a Process IIB permit. Request an instruction sheet on neighborhood meetings.	<input type="checkbox"/>	<input type="checkbox"/>
<u>Plans and Supporting Information</u>		
An electronic copy in PDF format of the following information, drawn at 1"=20' or a comparable scale. Also, submit one (1) paper copy of all plans reduced onto 11" x 17" sheets. For facilities to be located on an existing structure, some items below may be waived at the pre-submittal meeting.		
1. Scaled plan(s) clearly indicating the following items:		
a. Location, type, dimensions, height, materials and color of the proposed or existing tower or structure	<input type="checkbox"/>	<input type="checkbox"/>
b. Location, type, dimensions, height, number, color and technical specifications of proposed antennas	<input type="checkbox"/>	<input type="checkbox"/>
c. Location, type, dimensions, gross floor area, height, materials and color of proposed equipment structure. Location of exhaust ports or outlets.	<input type="checkbox"/>	<input type="checkbox"/>
d. The type of concealment technology which will be utilized.	<input type="checkbox"/>	<input type="checkbox"/>
e. Proposed location of power, telephone and other utilities serving the site.	<input type="checkbox"/>	<input type="checkbox"/>
f. Specific landscape, screening and fencing materials. Landscape plans shall include size, species, location, distance apart, plus irrigation and maintenance plans.	<input type="checkbox"/>	<input type="checkbox"/>
g. Proposed setbacks from property lines, nearest residential unit and residentially zoned properties.	<input type="checkbox"/>	<input type="checkbox"/>

	<u>REQUIRED</u>	<u>RECEIVED</u>
h. On-site and adjacent land uses and zoning	<input type="checkbox"/>	<input type="checkbox"/>
i. Adjacent roadways and proposed means of access	<input type="checkbox"/>	<input type="checkbox"/>
j. Location and extent of any streams, wetlands, or landslide hazard areas on or within 100 feet of the underlying property.	<input type="checkbox"/>	<input type="checkbox"/>
k. Tree Plan. Summary of Tree Plan II requirements is attached.	<input type="checkbox"/>	<input type="checkbox"/>
l. Existing and finished grades at 5 foot contours with the precise slope of any area in excess of 15%.	<input type="checkbox"/>	<input type="checkbox"/>
m. Lot size and lot coverage calculations for the underlying property	<input type="checkbox"/>	<input type="checkbox"/>
n. Check with the City to determine if your project requires a pedestrian easement and if it does show this easement location on your plans.	<input type="checkbox"/>	<input type="checkbox"/>
2. Dimensioned elevation drawings of the existing tower or structure showing the proposed antennas, and equipment structure (at 1/8" = 1' or comparable scale).	<input type="checkbox"/>	<input type="checkbox"/>
3. A current map and/or aerial photograph showing the location of the proposed tower.	<input type="checkbox"/>	<input type="checkbox"/>
4. Photo simulations of the proposed facility from affected residential properties and public rights-of-way. Photo of the existing facility at the time of application, if applicable. Identify all carriers using the facility.	<input type="checkbox"/>	<input type="checkbox"/>
5. Information of sufficient detail to demonstrate that the equipment structure is the minimum size necessary.	<input type="checkbox"/>	<input type="checkbox"/>
6. A notarized letter signed by the applicant stating that the personal wireless service facilities will comply with all applicable federal and state laws, including specifically FCC and FAA regulations, and all City codes.	<input type="checkbox"/>	<input type="checkbox"/>
7. A notarized letter signed by the applicant stating that the antenna usage will not interfere with other adjacent or neighboring transmission or reception communications signals.	<input type="checkbox"/>	<input type="checkbox"/>
8. Manufacturer information indicating compliance with adopted noise standards.	<input type="checkbox"/>	<input type="checkbox"/>
9. Copy of FCC license for service area or facility (whichever is applicable). The applicant, if not the personal wireless services provider, shall submit proof of a lease agreement with an FCC licensed personal wireless services provider if such provider is required to be licensed by the FCC.	<input type="checkbox"/>	<input type="checkbox"/>
10. For a new or replacement tower only, or co-location of antennas exceeding the height of an existing tower: A copy of the applicant's FAA determination.	<input type="checkbox"/>	<input type="checkbox"/>
11. For a new or replacement tower only: A report by a professional engineer (per Zoning Code Chapter 85) may be required if development will occur on or near a landslide hazard or seismic hazard area. If required, two copies are to be submitted to the Planning Department.	<input type="checkbox"/>	<input type="checkbox"/>

REQUIRED **RECEIVED**

- | | | |
|--|---|---|
| <p>12. For a new or replacement tower only: Propagation maps showing the following information:</p> <p>a. Labels indicating major streets, landmarks, Kirkland City limits and location of the proposed facility and existing and future handoff sites.</p> <p>b. Existing coverage without the proposed facility and with existing and future handoff sites.</p> <p>c. Coverage with the proposed facility and with existing and future handoff sites.</p> <p>d. Coverage with the proposed facility at a lesser height and with existing and future handoff sites.</p> <p>And which demonstrate that:</p> <p>e. The tower and antennas are required for present and future network coverage in order to satisfy the requirements of the provider’s grid system.</p> <p>f. The height requested is the minimum height necessary for the tower and antennas.</p> | <p><input type="checkbox"/></p> | <p><input type="checkbox"/></p> |
| <p>13. For a new or replacement tower only: If the site is within or adjacent to a residential zone, then a study shall be provided showing which alternative locations that are not within or adjacent to a residential zone were considered and why these alternative locations are not acceptable.</p> | <p><input type="checkbox"/></p> | <p><input type="checkbox"/></p> |
| <p>14. For a new or replacement tower only: Copies of the following notice sent by certified mail to all other wireless providers licensed to provide service within the City of Kirkland:</p> | <p><input type="checkbox"/></p> | <p><input type="checkbox"/></p> |

(Wireless provider) is providing you with notice of our intent to apply to the City of Kirkland to construct a personal wireless service facility that would be located at (provide address or general area). In general, we plan to construct a new tower of ____ feet in height for the purpose of providing (cellular, ESMR, PCS, etc.) service in the _____ frequency range.

Please inform us whether you have any wireless facilities located within (distance based on coverage objectives) of the proposed facility that may be available for collocation opportunities, or whether you are interested in collocating on our proposed facility. Please provide us with this information within 15 business days after the date of this letter. If no response is received within that time, we will assume that you do not wish to pursue collocation. A copy of this letter is being provided to the City of Kirkland as part of our permit application package.

	REQUIRED	RECEIVED
15. For Process IIA and IIB Permits Only:		
a. Signed agreement (supplied by the City) and payment of applicable fee to initiate third party review of the application, as described in Zoning Code Section 117.60.	<input type="checkbox"/>	<input type="checkbox"/>
b. An evaluation of existing available land, and buildings and structures taller than 30 feet within ¼ mile of the proposed site. Please include the following information, at a minimum:	<input type="checkbox"/>	<input type="checkbox"/>
1. A map showing structures taller than 30 feet within ¼ mile of the proposed site and their heights.	<input type="checkbox"/>	<input type="checkbox"/>
2. Property owner name and address and structure owner name and address for each structure.	<input type="checkbox"/>	<input type="checkbox"/>
3. Dates of contacts with property owner and structure owner, and results of those contacts.	<input type="checkbox"/>	<input type="checkbox"/>
16. One (1) copy of all plans reduced onto 8½" x 11" sheets.	<input type="checkbox"/>	<input type="checkbox"/>
17. The following materials must be submitted on CD to the Planning Department for presentation at public meetings and/or permanent storage:	<input type="checkbox"/>	<input type="checkbox"/>
• Acceptable native electronic formats are: Adobe PDF, Word, Excel, PowerPoint, JPEG or GIF.		
• All memos and reports including SEPA checklists, wetland reports, geotech. reports, site plans, traffic reports, etc. should be submitted in their native electronic format or converted from their native format to Adobe PDF rather than being scanned.		
• Any memo/report that is created from multiple formats must be combined and submitted as one PDF document.		
• All plans, drawings, renderings, photographs or other graphics must be submitted in its native electronic format. CAD format is unacceptable; you must convert to Adobe PDF before submitting.		
• All documents must be either 8 ½ x 11 or 11 x 17 inch size. Legal sized documents will not be accepted.		
• Models and/or material/color boards, if prepared, must be photographed for permanent storage and submitted to the Planning Department on CD.		
• Converting a document from its native format to an Adobe PDF document is preferred as opposed to scanning the document.		

Public Notice

For Process I IIA and IIB Permits:

You are responsible for obtaining and erecting public notice sign(s) on the subject property. You will need to provide for and erect public notice sign(s) not more than 10 calendar days after the Planning Official determines that the application is complete. In order to ensure that the signs are installed in a timely manner, you should contact a Sign Company and arrange for the appropriate number of signs to be made. See attached instruction sheet about Public Notice Signs. Any delay in installing the board will result in procedural deficiencies and/or delays.

Please provide the name of the Sign Company that you have contacted to make the public notice signs:



**CITY OF KIRKLAND
APPLICATION CHECKLIST:
APPLICATION QUESTIONNAIRE**

The answers you provide to the following questions will assist the City in making a decision on your application. You are strongly encouraged to provide technical data, maps, graphics and other information designed to support your answers.

1. Please explain how your proposal:

- a. Minimizes the total number of tall towers throughout the City;
- b. Minimizes visual and physical impact on the surrounding area;
- c. Uses concealment technology as described in KZC 117.65.3 AND 117.70.8.
- d. Encourages shared use and co-location;
- e. Avoids potential damage to adjacent properties.
- f. Is architecturally compatible with the surrounding buildings and land uses or otherwise integrated, through location and design, to blend in with the existing characteristics of the site.

2. For New or Replacement Tower Only:

Pursuant to KZC 117.40, unless the applicant has demonstrated to the satisfaction of the City that it has made a good faith effort to mount the antenna on an existing structure, the City may deny the application to construct a new personal wireless service tower.

- a. What efforts have been made to locate your proposed facility on an existing building, collocate on an existing tower, or on a proposed tower to be constructed by another provider?
- b. What modifications to your proposed antenna configuration, equipment structure and/or coverage would need to be made to allow for location of your proposed facility on an existing building, collocation on an existing tower, or on a proposed tower to be constructed by another provider?

3. For Process IIB Permit for New Facility or Replacement Tower in Residential Zone Only:

- a. Why must the proposed facility must be located in a residential zone?
- b. What are the impacts on your system if you cannot locate in a residential zone?
- c. What efforts have been made to locate the facility in a non-residential zone?

4. For a Subsequent or Minor Modification:

- a. Describe why the proposed modification will not substantially change the PWSF.
- b. Describe why there will not be any substantial changes in the impacts on the neighborhood or the City as a result of the change.

**NON-IONIZING ELECTROMAGNETIC EXPOSURE ANALYSIS
&
ENGINEERING CERTIFICATION**



SITE NAME: SEA Carillon Point

**SITE ADDRESS: 3000 Carillon Point
Kirkland, WA 98033**

DATE: December 20, 2013

PREPARED BY:

**B. J. THOMAS, P.E.
7607 80th Avenue NE
Marysville, WA 98270
(206) 851-1106**

PROJECT

The proposed Verizon Wireless project consists of a WCF (Wireless Communications Facility) located at 3000 Carillon Point, Kirkland, WA 98033, King County Tax Parcel 1725059058. The planned improvements include replacement panel antennas mounted on an existing building rooftop with supporting BTS (Base Transmission System) radio equipment located within the building.

EQUIPMENT

Type of Service: Cellular, LTE, AWS & PCS

Antennas: Amphenol BXA-80040, BXA-70040, BXA 70063 & WWX063X13X00

Sectors: (3) (alpha = 345°, beta = 90°, gamma = 170°)

Frequencies: Send (746 - 756 Mhz, 880 - 890 Mhz, 891.5 - 894 Mhz,
1940 - 1945 Mhz, 2110 – 2155 Mhz)
Receive (776 - 786 Mhz, 835-- 845 Mhz, 846.5 - 849 Mhz, 1710 –
1755 Mhz, 1860 -1865 Mhz)

Antenna Rad Center: 93' AGL

CALCULATIONS

Calculations for RF power densities near ground level are based on the “**Evaluating Compliance with FCC Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields OET Bulletin 65**” Edition 97-01, August 1997 issued by the Federal Communications Commission Office of Engineering & Technology.

Section 2 of **OET Bulletin 65** demonstrates that “for a truly worst-case prediction of power density at or near the surface, such as at ground-level or on a rooftop, 100% reflection of incoming radiation can be assumed, resulting in a potential doubling of predicted field strength and a four-fold increase in (far field equivalent) power density”. Therefore the following equation is used:

$$S = \text{EIRP}/\pi R^2$$

Where S = power density (mW/cm²), EIRP = equivalent isotropically radiated power and R = distance to the center of the radiation antenna (cm)

Attached as an exhibit are the MPE (Maximum Power Exposure) calculations using the above referenced formula and the antenna manufacturer vertical pattern information using a conservative 20 dB loss below main lobe.

The calculations show that the maximum MPE at ground level (6' above AGL) at the base of the building and the power density is 0.001489 mW/cm² with an assumed worst-case power level of 2,000 watts ERP for the lowest antenna array. This is 0.3188 % of the MPE limit for the general population/uncontrolled exposure of 0.467 mW/cm² as referenced in **Table I OET Bulletin 65 Appendix A** for the lowest frequency range.

OTHER CARRIER

The following are examples of wireless carriers providing service in King County:

ESMR	851-866 Mhz	Nextel
Cellular	869-894 Mhz	AT&T, Verizon
PCS	> 1800 Mhz	Sprint, T-Mobile, AT&T

Nextel facilities will have potentially higher power levels than cellular or PCS facilities. In order to develop a “worst case prediction”, it is assumed that Nextel facilities are on the rooftop with maximum effective radiated power (ERP) levels of 3,000 watts per sector versus 2,000 watts or less for cellular or PCS facilities.

Wireless facility antennas are highly directional and project the majority of the RF energy horizontally. Attached as an exhibit are the MPE (Maximum Power Exposure) calculations using the referenced power density formula. These calculations assume that the vertical patterns of the antennas suppress the ERP by 20dbB towards the antenna base. The calculations show that the maximum total MPE at ground level (6' above AGL) at the base of the building is 0.002233 mW/cm² with the carrier operating at a total ERP of 3,000 watts per sector. This is 0.3938% of the MPE limit for the general population/uncontrolled exposure of 0.567 mW/cm² for the lowest Nextel frequency (851/1500) as referenced in **Table I OET Bulletin 65 Appendix A**.

COLOCATED FACILITIES TOTAL MPE

The combined MPE for the T-Mobile Wireless antennas and the existing carrier using “worst case” calculations is: 0.001489 mW/cm² + 0.002233 mW/cm² = 0.003722 mW/cm² Total MPE.

ENVIRONMENTAL EVALUATION

Routine environmental evaluation is required if a PCS broadband facility with building mounted antennas has a total power of all channels in any given sector greater than 2,000W ERP as referenced in “**Table 2 Transmitters, Facilities and Operations subject to Routine environmental Evaluation**” of **Bulletin 65**. For the proposed facility, the total power in a given sector is less than 2,000W; therefore, the WCF is categorically exempt from requirement for routine environmental processing.

FCC COMPLIANCE

The general population/uncontrolled exposure near the rooftop, including persons at ground level, surrounding properties, inside and on existing structures will have RF exposure much lower than the “worst case” scenario, which is a small fraction of the MPE limit.

Only trained persons will be allowed to access the rooftop for maintenance operations. Verizon Wireless and/or its contractors will provide training to make the employees fully aware of the potential for RF exposure occupational training and they can exercise control over their exposure that is within the occupational/controlled limits.

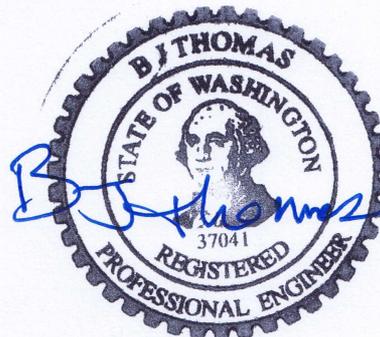
CONCLUSIONS

Based on calculations, the proposed WCF will comply with current FCC and county guidelines for human exposure to radiofrequency electromagnetic fields.

All representations contained herein are true to the best of my knowledge.

EXHIBITS

- MPE Calculations
- Antenna Product Data Sheets
- WCF Location Map



12/20/13

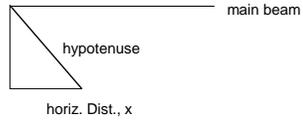
SEA Carillon Point MPE Calculations

Effective tower height assumes a person 6 ft tall.

93 height (ft)

1.49E-03	
0.001489	max power density in mW/cm ²
0.3188%	percentage of standard

tower height, y



Note: 0.467 mW/cm² is 100% of allowable standard for lowest frequency

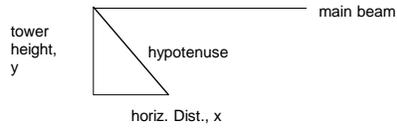
radiation center (feet), y	effective tower height (feet), y	minor lobe angle	dB below main lobe	horiz. dist. x	hypotenuse length (feet)	hypotenuse length (km)	hypotenuse length (cm)	ERP main lobe (watts)	ERP main lobe (dBm)	minor lobe ERP (dBm)	minor lobe EIRP (dBm)	minor lobe EIRP (mW)	Power at point x at ground level mW/cm ²
93	87	90	20	0.000	87.000	0.027	2651.760	2000	63.01	43.01	45.17	32887.43	1.49E-03
TOTAL												1.49E-03	

**SEA Carillon point
Other Carriers
MPE Calculations**

Effective tower height assumes a person 6 ft tall.

93 height (ft)

2.23E-03	
0.002233	max power density in mW/cm ²
0.3938%	percentage of standard



Note: 0.567 mW/cm² is 100% of allowable standard for lowest Nextel frequency

radiation center (feet), y	effective tower height (feet), y	minor lobe angle	dB below main lobe	horiz. dist. x	hypotenuse length (feet)	hypotenuse length (km)	hypotenuse length (cm)	ERP main lobe (watts)	ERP main lobe (dBm)	minor lobe ERP (dBm)	minor lobe EIRP (dBm)	minor lobe EIRP (mW)	Power at point x at ground level mW/cm ²
93	87	90	20	0.000	87.000	0.027	2651.760	3000	64.77	44.77	46.93	49331.15	2.23E-03
TOTAL												2.23E-03	

BXA-70040-4CF-EDIN-X

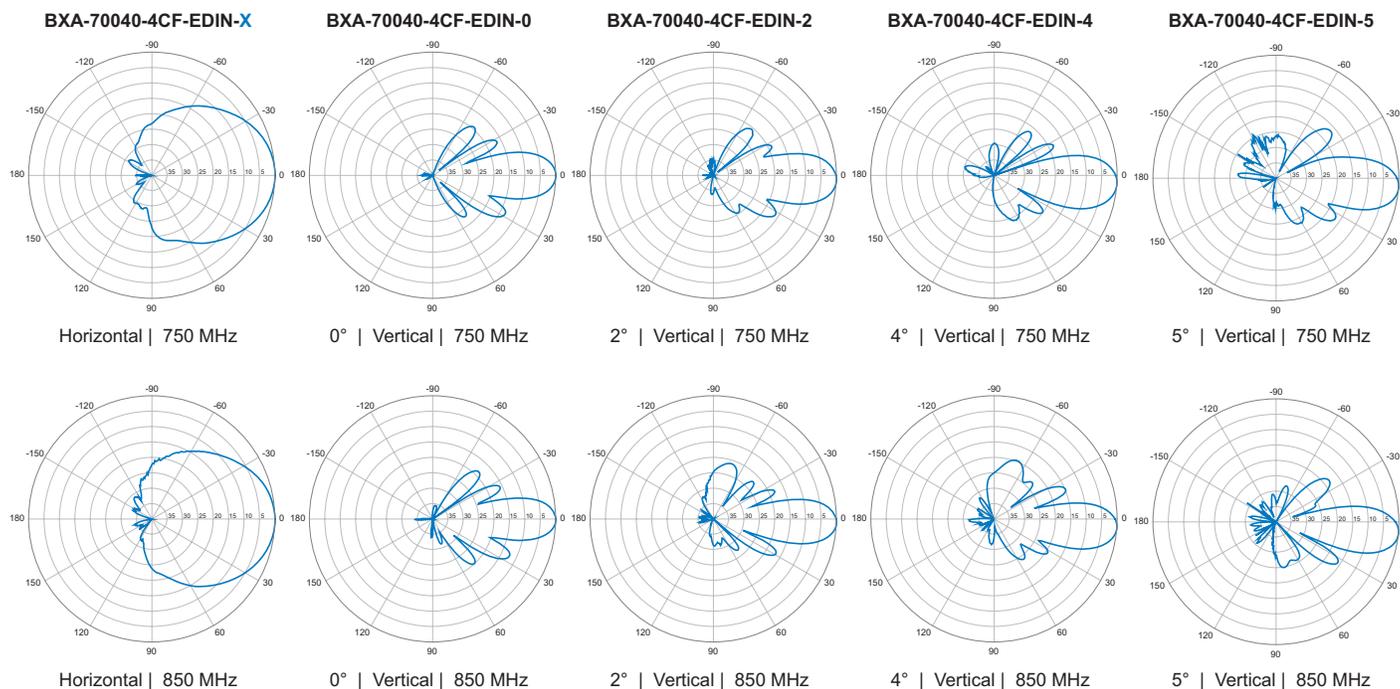
X-Pol | FET Panel | 40° | 14.5 dBd

Replace "X" with desired electrical downtilt.

Antenna is also available with NE connector(s). Replace "EDIN" with "NE" in the model number when ordering.



Electrical Characteristics	696-900 MHz		
Frequency bands	696-806 MHz	806-900 MHz	
Polarization	±45°		
Horizontal beamwidth	42°	40°	
Vertical beamwidth	17°	15°	
Gain	14.0 dBd (16.1 dBi)	14.5 dBd (16.6 dBi)	
Electrical downtilt (X)	0, 2, 4, 5, 6, 7, 8, 9, 10, 12, 14		
Impedance	50Ω		
VSWR	≤1.35:1		
Upper sidelobe suppression (0°)	-16.5 dB	-15.8 dB	
Front-to-back ratio (+/-30°)	-37.0 dB	-37.0 dB	
Null fill	5% (-26.02 dB)		
Isolation between ports	< -25 dB		
Input power with EDIN connectors	500 W		
Input power with NE connectors	300 W		
Lightning protection	Direct Ground		
Connector(s)	2 Ports / EDIN or NE / Female / Center (Back)		
Mechanical Characteristics			
Dimensions Length x Width x Depth	1206 x 606 x 200 mm	47.5 x 23.9 x 7.9 in	
Depth with z-brackets	240 mm	9.4 in	
Weight without mounting brackets	11.3 kg	25 lbs	
Survival wind speed	> 201 km/hr	> 125 mph	
Wind area	Front: 0.73 m ² Side: 0.24 m ²	Front: 7.9 ft ² Side: 2.6 ft ²	
Wind load @ 161 km/hr (100 mph)	Front: 1033 N Side: 353 N	Front: 232 lbf Side: 79 lbf	
Mounting Options	Part Number	Fits Pipe Diameter	Weight
2-Point Mounting & Downtilt Bracket Kit	36210006	40-115 mm 1.57-4.5 in	4.1 kg 9 lbs
Concealment Configurations	This model cannot be used in a standard FP concealment configuration.		

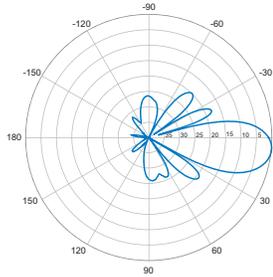


Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

BXA-70040-4CF-EDIN-X

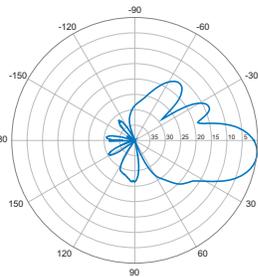
X-Pol | FET Panel | 40° | 14.5 dBd

BXA-70040-4CF-EDIN-6



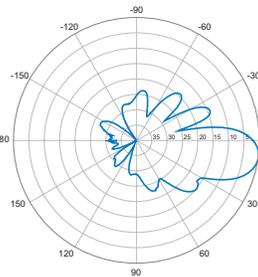
6° | Vertical | 750 MHz

BXA-70040-4CF-EDIN-7



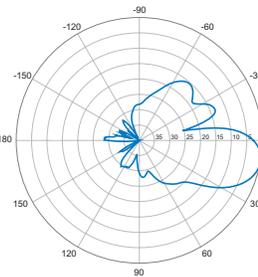
7° | Vertical | 750 MHz

BXA-70040-4CF-EDIN-8



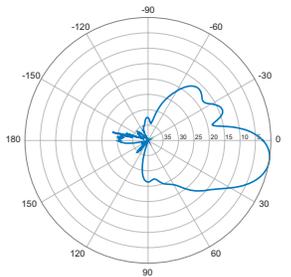
8° | Vertical | 750 MHz

BXA-70040-4CF-EDIN-9

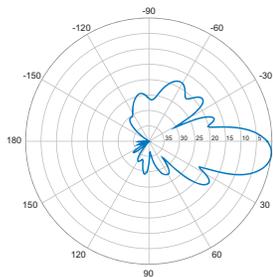


9° | Vertical | 750 MHz

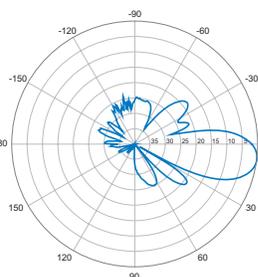
BXA-70040-4CF-EDIN-10



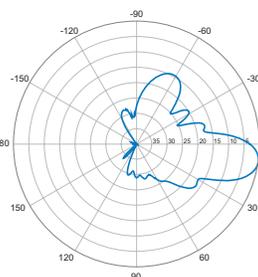
10° | Vertical | 750 MHz



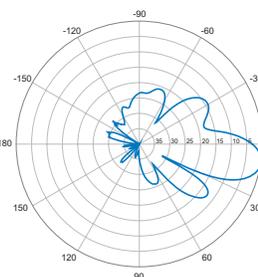
6° | Vertical | 850 MHz



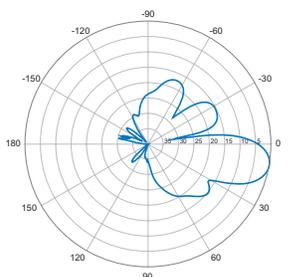
7° | Vertical | 850 MHz



8° | Vertical | 850 MHz

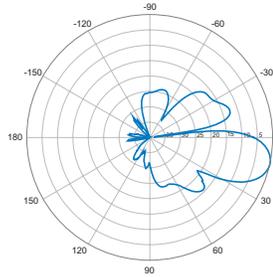


9° | Vertical | 850 MHz



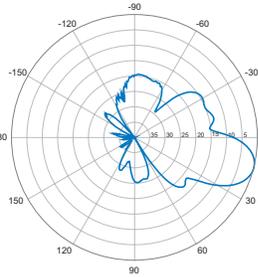
10° | Vertical | 850 MHz

BXA-70040-4CF-EDIN-12

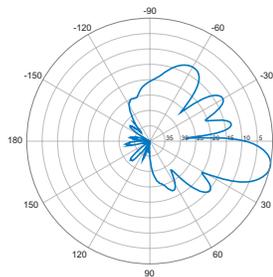


12° | Vertical | 750 MHz

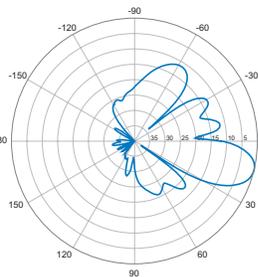
BXA-70040-4CF-EDIN-14



14° | Vertical | 750 MHz



12° | Vertical | 850 MHz



14° | Vertical | 850 MHz

Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

BXA-70063-4CF-EDIN-X

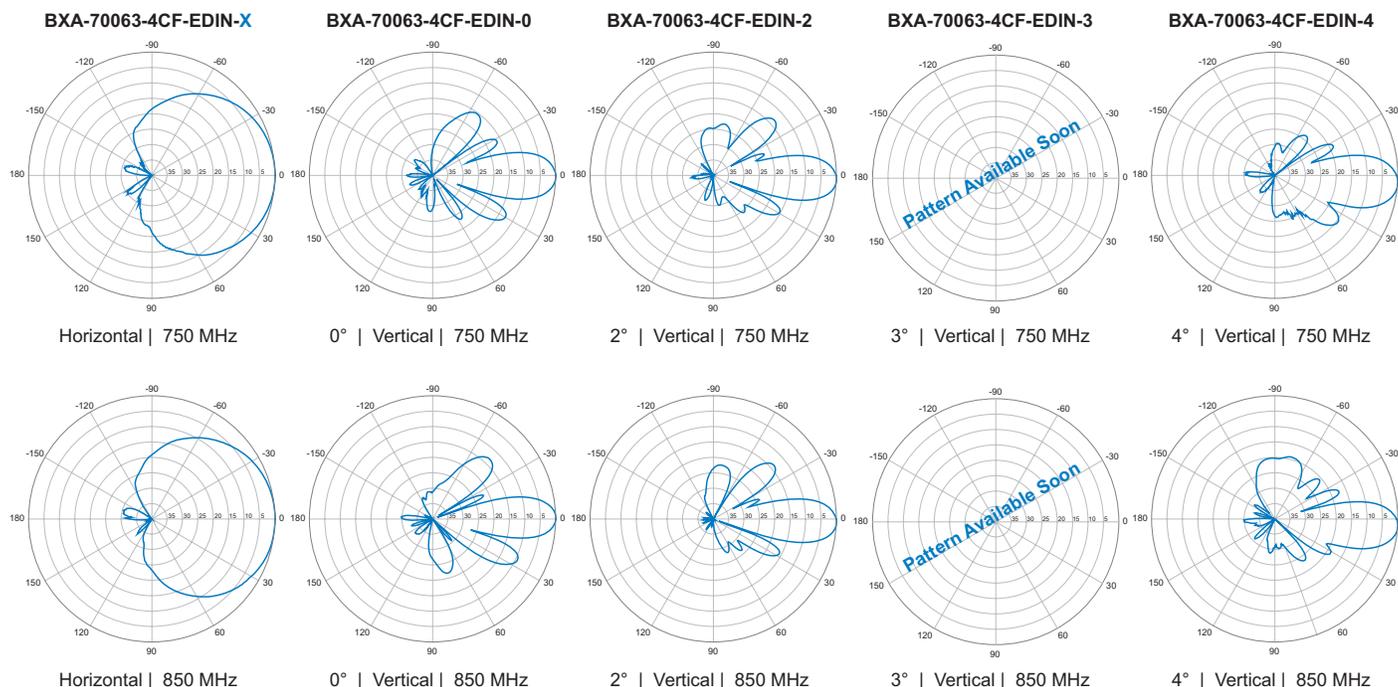
X-Pol | FET Panel | 63° | 13.0 dBd

Replace "X" with desired electrical downtilt.

Antenna is also available with NE connector(s). Replace "EDIN" with "NE" in the model number when ordering.



Electrical Characteristics	696-900 MHz		
Frequency bands	696-806 MHz	806-900 MHz	
Polarization	±45°		
Horizontal beamwidth	65°	63°	
Vertical beamwidth	17°	15°	
Gain	12.5 dBd (14.6 dBi)	13.0 dBd (15.1 dBi)	
Electrical downtilt (X)	0, 2, 3, 4, 5, 6, 8, 9, 10, 12, 14		
Impedance	50Ω		
VSWR	≤1.35:1		
Upper sidelobe suppression (0°)	-16.3 dB	-22.1 dB	
Front-to-back ratio (+/-30°)	-36.1 dB	-34.9 dB	
Null fill	5% (-26.02 dB)		
Isolation between ports	< -25 dB		
Input power with EDIN connectors	500 W		
Input power with NE connectors	300 W		
Lightning protection	Direct Ground		
Connector(s)	2 Ports / EDIN or NE / Female / Center (Back)		
Mechanical Characteristics			
Dimensions Length x Width x Depth	1205 x 285 x 133 mm	47.4 x 11.2 x 5.2 in	
Depth with z-brackets	173 mm	6.8 in	
Weight without mounting brackets	4.5 kg	9.9 lbs	
Survival wind speed	> 201 km/hr	> 125 mph	
Wind area	Front: 0.34 m ² Side: 0.16 m ²	Front: 3.7 ft ² Side: 1.7 ft ²	
Wind load @ 161 km/hr (100 mph)	Front: 498 N Side: 260 N	Front: 111 lbf Side: 55 lbf	
Mounting Options	Part Number	Fits Pipe Diameter	Weight
2-Point Mounting & Downtilt Bracket Kit	36210006	40-115 mm 1.57-4.5 in	4.1 kg 9 lbs
Concealment Configurations	For concealment configurations, order BXA-70063-4CF-EDIN-X-FP		

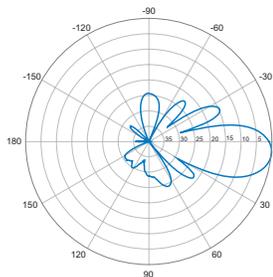


Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

BXA-70063-4CF-EDIN-X

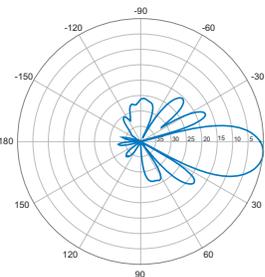
X-Pol | FET Panel | 63° | 13.0 dBd

BXA-70063-4CF-EDIN-5



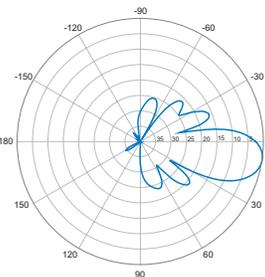
5° | Vertical | 750 MHz

BXA-70063-4CF-EDIN-6



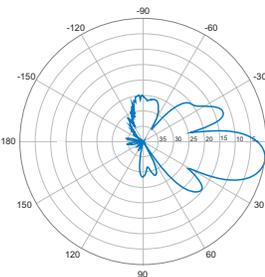
6° | Vertical | 750 MHz

BXA-70063-4CF-EDIN-8



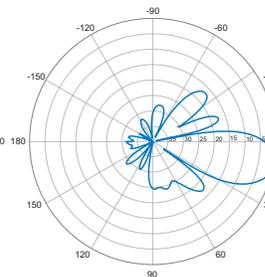
8° | Vertical | 750 MHz

BXA-70063-4CF-EDIN-9

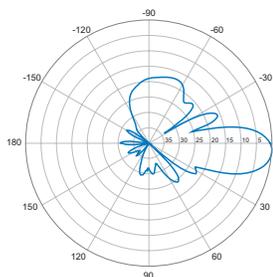


9° | Vertical | 750 MHz

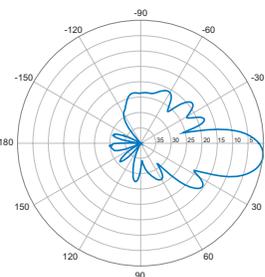
BXA-70063-4CF-EDIN-10



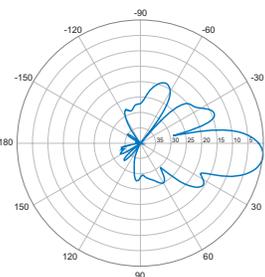
10° | Vertical | 750 MHz



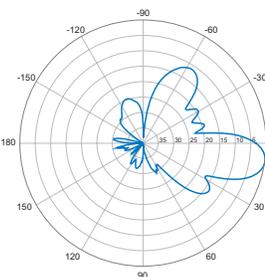
5° | Vertical | 850 MHz



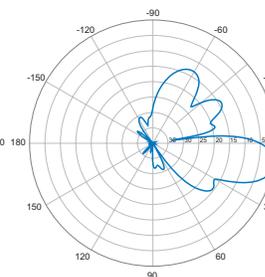
6° | Vertical | 850 MHz



8° | Vertical | 850 MHz

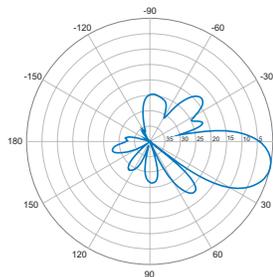


9° | Vertical | 850 MHz



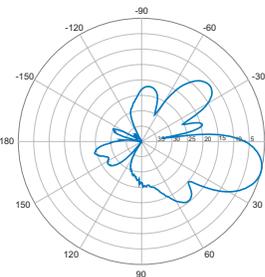
10° | Vertical | 850 MHz

BXA-70063-4CF-EDIN-12

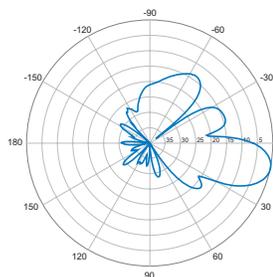


12° | Vertical | 750 MHz

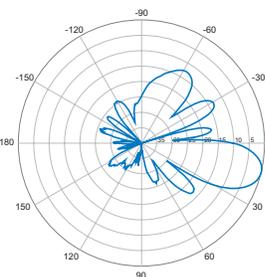
BXA-70063-4CF-EDIN-14



14° | Vertical | 750 MHz



12° | Vertical | 850 MHz



14° | Vertical | 850 MHz

Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

BXA-80040-4CF-EDIN-X

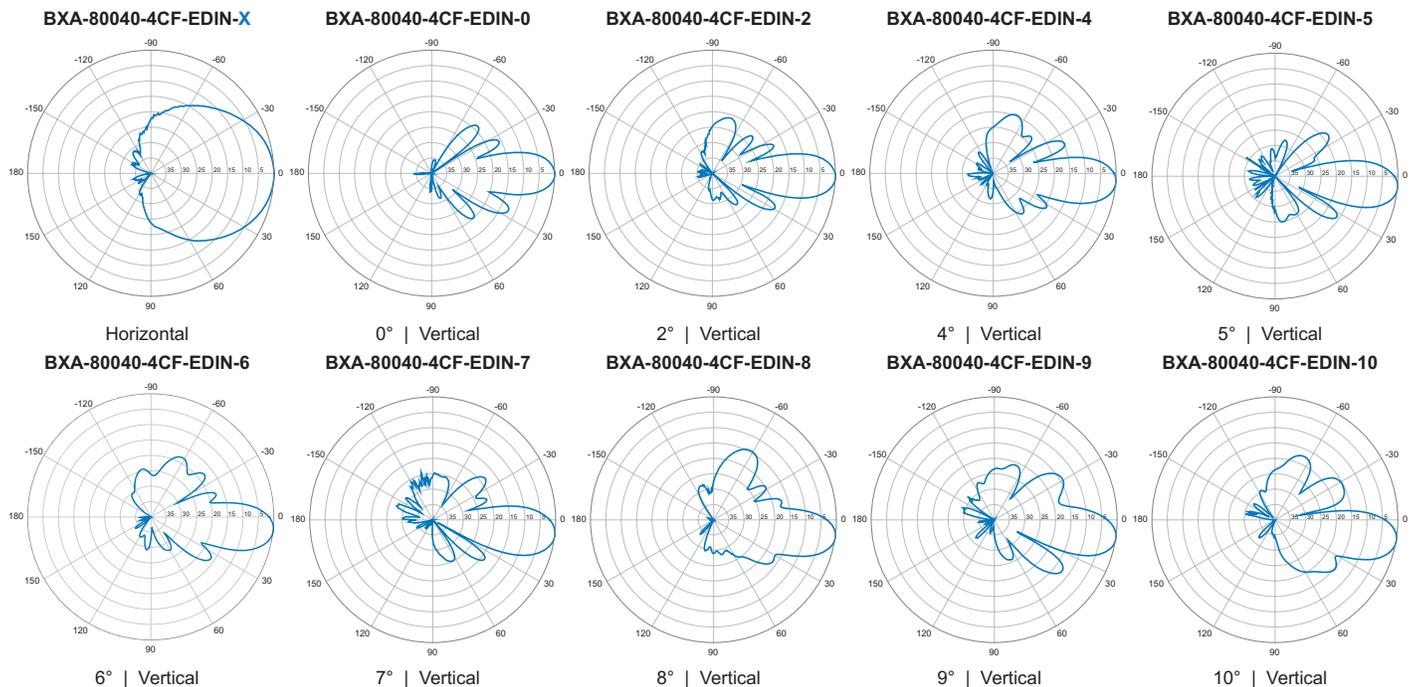
X-Pol | FET Panel | 40° | 14.5 dBd

Replace "X" with desired electrical downtilt.

Antenna is also available with NE connector(s). Replace "EDIN" with "NE" in the model number when ordering.



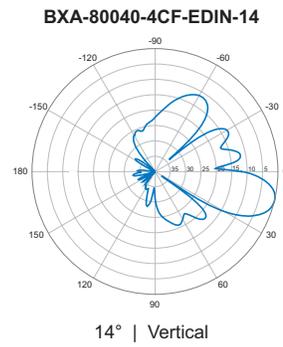
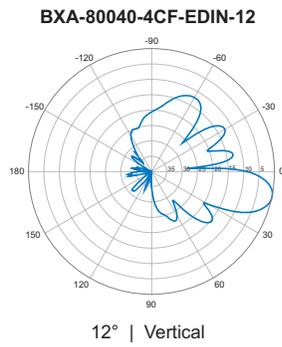
Electrical Characteristics	
Frequency bands	806-900 MHz*
*Optional frequency band for iDEN	806-941 MHz (specify when ordering)
Polarization	±45°
Horizontal beamwidth	40°
Vertical beamwidth	15°
Gain	14.5 dBd (16.6 dBi)
Electrical downtilt (X)	0, 2, 4, 5, 6, 7, 8, 9, 10, 12, 14
Impedance	50Ω
VSWR	≤1.4:1
Upper sidelobe suppression (0°)	-15.8 dB
Front-to-back ratio (+/-30°)	-37.0 dB
Null fill	5% (-26.02 dB)
Isolation between ports	< -25 dB
Input power with EDIN connectors	500 W
Input power with NE connectors	300 W
Lightning protection	Direct Ground
Connector(s)	2 Ports / EDIN or NE / Female / Center (Back)
Mechanical Characteristics	
Dimensions Length x Width x Depth	1206 x 606 x 200 mm 47.5 x 23.9 x 7.9 in
Depth with z-brackets	240 mm 9.4 in
Weight without mounting brackets	11.3 kg 25 lbs
Survival wind speed	> 201 km/hr > 125 mph
Wind area	Front: 0.73 m ² Side: 0.24 m ² Front: 7.9 ft ² Side: 2.6 ft ²
Wind load @ 161 km/hr (100 mph)	Front: 1033 N Side: 353 N Front: 232 lbf Side: 79 lbf
Mounting Options	
	Part Number Fits Pipe Diameter Weight
2-Point Mounting & Downtilt Bracket Kit	36210006 40-115 mm 1.57-4.5 in 4.1 kg 9 lbs
Concealment Configurations	This model cannot be used in a standard FP concealment configuration.



Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

BXA-80040-4CF-EDIN-X

X-Pol | FET Panel | 40° | 14.5 dBd

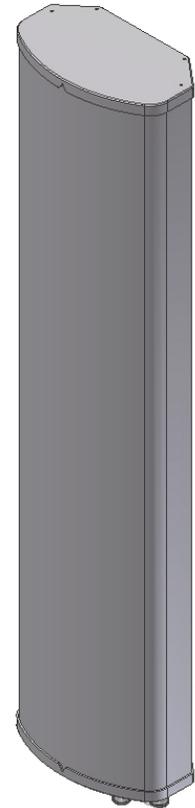


Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

WWX063X13x00

2x X-Pol | Twin Band VET Panel | 65° | 16.8 / 16.8 dBi

Ordering Options	Model Number				
Manual Electrical Tilt	WWX063X13M00				
Remote Electrical Tilt AISG v1.1	WWX063X13R00				
Remote Electrical Tilt AISG v2.0 / 3GPP	WWX063X13G00				
Electrical Characteristics	High Bands #1 and #2: 1710-2170 MHz				
Frequency bands	1710-1880 MHz	1850-1990 MHz	1900-2170 MHz		
Polarization	2x ±45° (Quad)				
Horizontal beamwidth	70°	67°	66°		
Vertical beamwidth	8.3°	7.5°	7.0°		
Gain	15.8 dBi	16.3 dBi	16.8 dBi		
Electrical downtilt	0-10°				
Impedance	50Ω				
VSWR	<1.5:1				
Upper sidelobe suppression	< -18 dB typical				
Front-to-back ratio	> 28 dB				
In-band isolation	> 28 dB				
Isolation between ports	> 30 dB				
Input power	4 x 250 W				
IM3 (2x20W carriers)	< -153 dBc				
Lightning protection	Direct Ground				
Operating temperature	-40° to +60° C (-40° to +140° F)				
Connector(s)	4 Ports / 7/16 DIN / Female / Bottom				
Mechanical Characteristics					
Dimensions Length x Width x Depth	1298 x 305 x 180 mm		51.1 x 12.0 x 7.1 in		
Weight without mounting brackets: MET	11.3 kg		25.0 lbs		
Weight without mounting brackets: RET	11.7 kg		25.7 lbs		
Survival wind speed	241 km/hr		150 mph		
Wind loads (160 km/hr or 100 mph)	Front: 480 N; Side: 284 N		Front: 108 lbf; Side: 64 lbf		
Remote Electrical Downtilt Control					
Remote Electrical Tilt (RET) Control	The remote control of the electrical tilt is managed by a module (MDCU) totally inserted at the bottom of the antenna. One single module controls individually the tilt of each band (no need of daisy chain cables between the bands). This module does not add any additional length at the bottom of the antenna. For RET control, the transparent caps must be in place and locked. The tilt angle indicators always remains visible and the antenna still has manual tilt control (manual override).				
RET Module Part Number (one per antenna)	MDCU-A0000 for AISG v1.1 protocol (one unit included in WWX063X13R00)				
	MDCU-G0000 for 3GPPP/AISG v2.0 protocol (one unit included in WWX063X13G00)				
Important Installation Instructions	 In order to operate RET control, the transparent caps covering the tilt adjustment indicators must be engaged and locked. Do not cut them from the antenna.				
Mounting Options	Part Number	Fits Pipe Diameter		Weight	
2-Point Mounting Bracket Kit	MKS09P01	50-115 mm	2.0-4.5 in	2.7 kg	6 lbs
2-Point Mounting & Downtilt Bracket Kit	MKS09T01	50-115 mm	2.0-4.5 in	4.5 kg	10 lbs
Tri-Sector UNICELL Options					
For use inside UNICELL modules	UNX-20-xx				

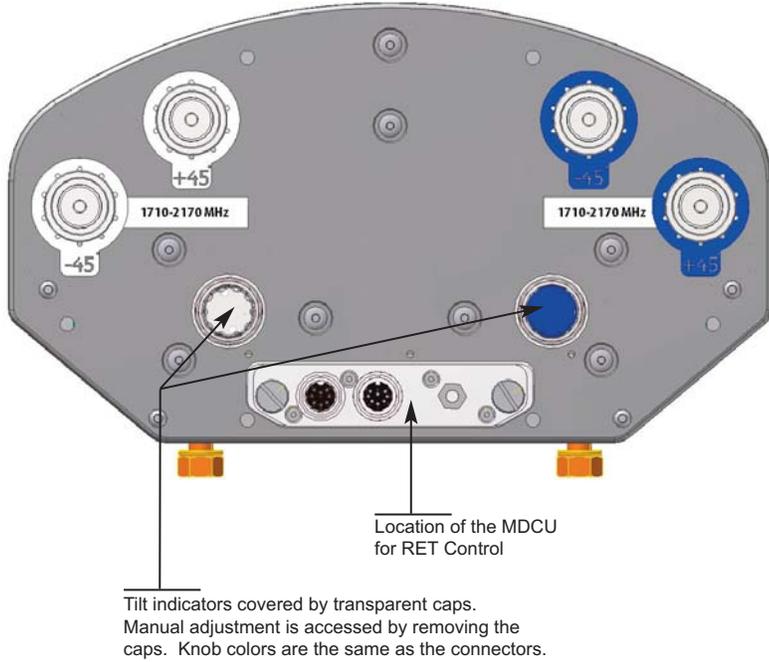


Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

WWX063X13x00

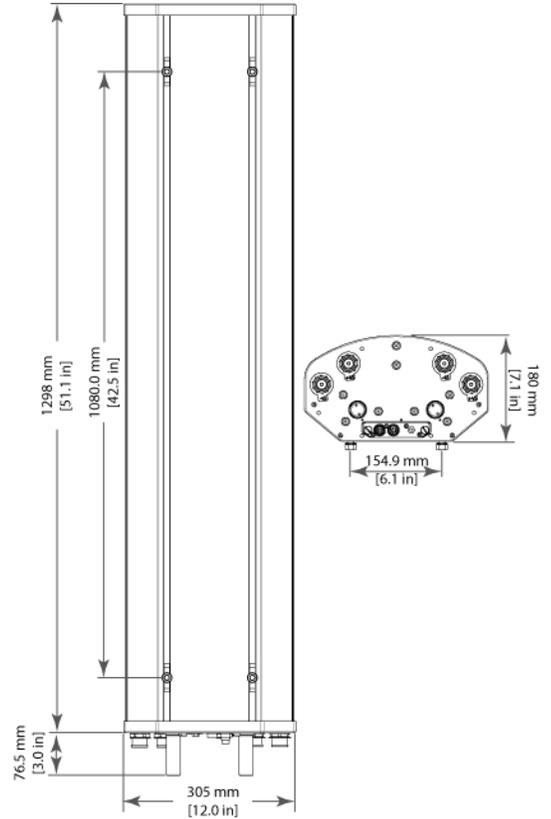
2x X-Pol | Twin Band VET Panel | 65° | 16.8 / 16.8 dBi

Bottom View

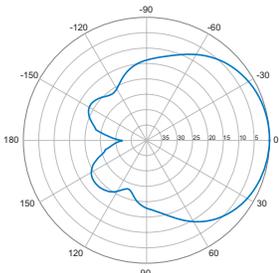


In order to operate RET control, the transparent caps covering the tilt adjustment indicators must be engaged and locked. Do not cut them from the antenna.

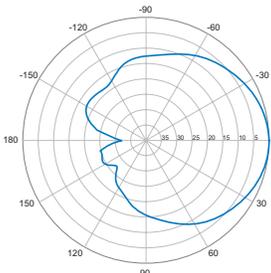
Dimensions



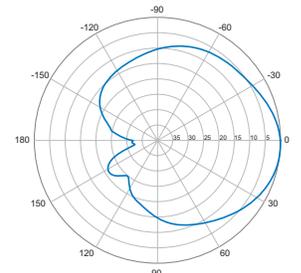
1710-2170 MHz (Left Array)



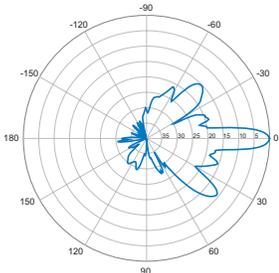
Horizontal | 1800 MHz



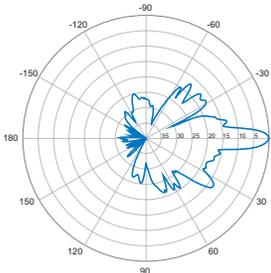
Horizontal | 1900 MHz



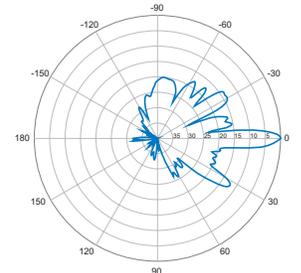
Horizontal | 2100 MHz



0° | Vertical | 1800 MHz



0° | Vertical | 1900 MHz



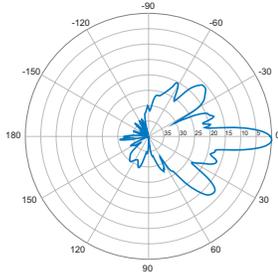
0° | Vertical | 2100 MHz

Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

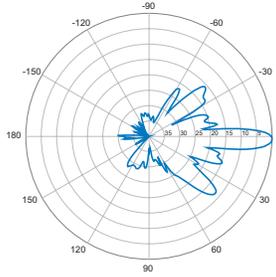
WWX063X13x00

2x X-Pol | Twin Band VET Panel | 65° | 16.8 / 16.8 dBi

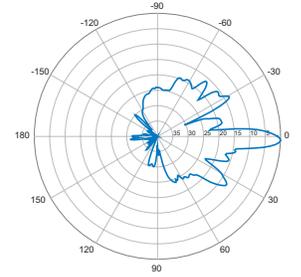
1710-2170 MHz (Left Array)



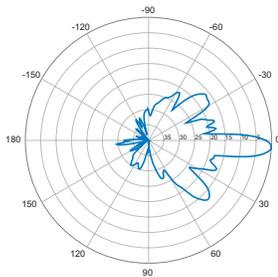
2° | Vertical | 1800 MHz



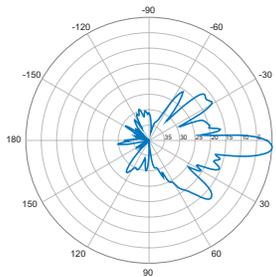
2° | Vertical | 1900 MHz



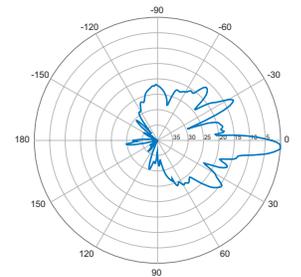
2° | Vertical | 2100 MHz



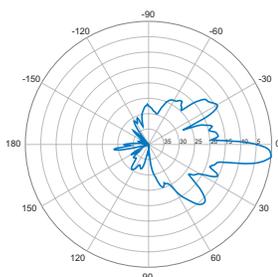
4° | Vertical | 1800 MHz



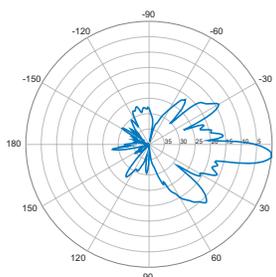
4° | Vertical | 1900 MHz



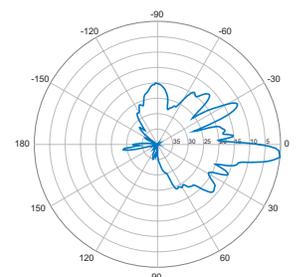
4° | Vertical | 2100 MHz



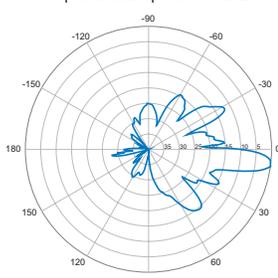
6° | Vertical | 1800 MHz



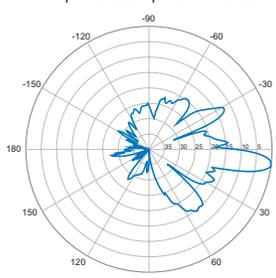
6° | Vertical | 1900 MHz



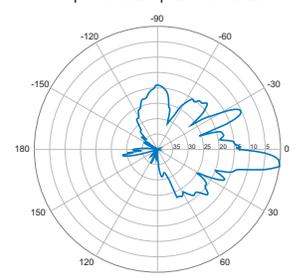
6° | Vertical | 2100 MHz



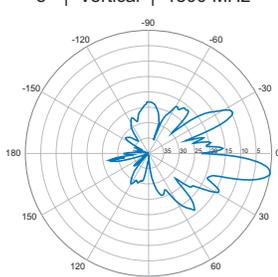
8° | Vertical | 1800 MHz



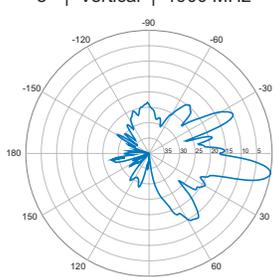
8° | Vertical | 1900 MHz



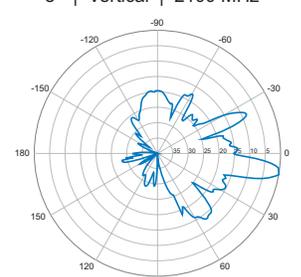
8° | Vertical | 2100 MHz



10° | Vertical | 1800 MHz



10° | Vertical | 1900 MHz



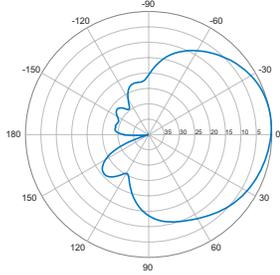
10° | Vertical | 2100 MHz

Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

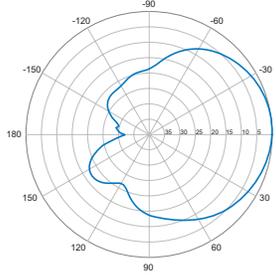
WWX063X13x00

2x X-Pol | Twin Band VET Panel | 65° | 16.8 / 16.8 dBi

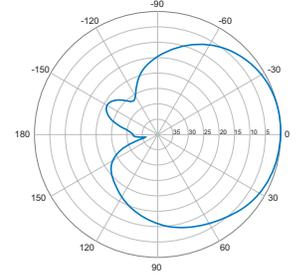
1710-2170 MHz (Right Array)



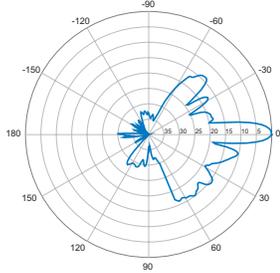
Horizontal | 1800 MHz



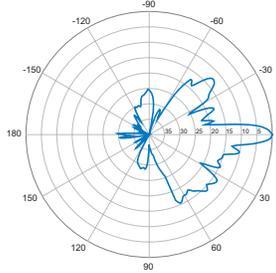
Horizontal | 1900 MHz



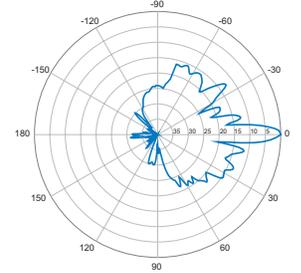
Horizontal | 2100 MHz



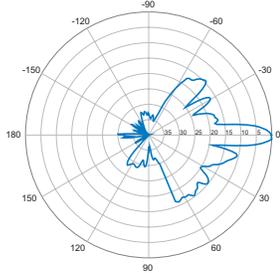
0° | Vertical | 1800 MHz



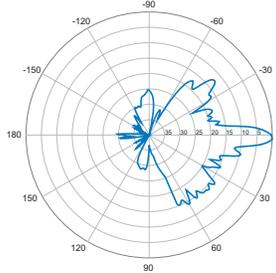
0° | Vertical | 1900 MHz



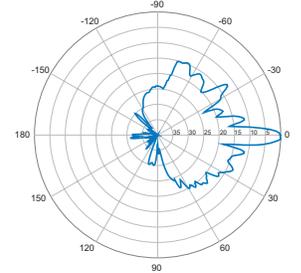
0° | Vertical | 2100 MHz



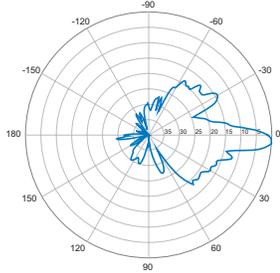
2° | Vertical | 1800 MHz



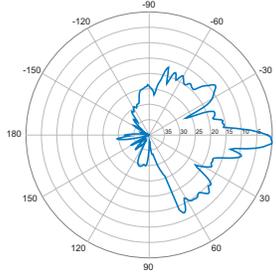
2° | Vertical | 1900 MHz



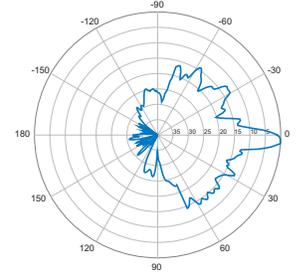
2° | Vertical | 2100 MHz



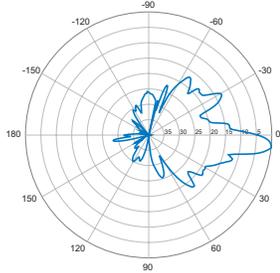
4° | Vertical | 1800 MHz



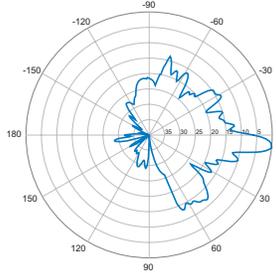
4° | Vertical | 1900 MHz



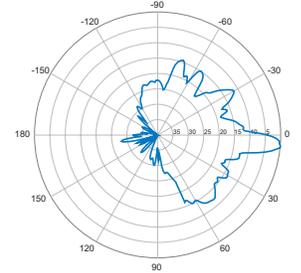
4° | Vertical | 2100 MHz



6° | Vertical | 1800 MHz



6° | Vertical | 1900 MHz

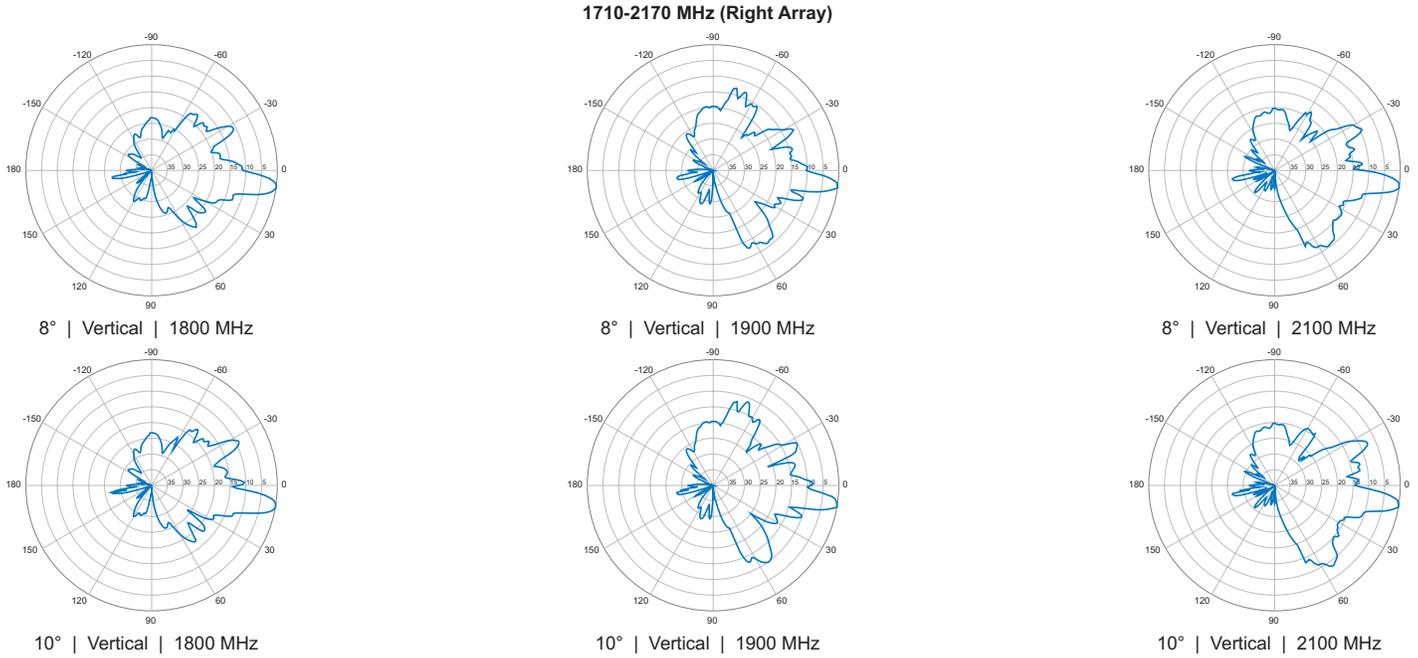


6° | Vertical | 2100 MHz

Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

WWX063X13x00

2x X-Pol | Twin Band VET Panel | 65° | 16.8 / 16.8 dBi



Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.



CITY OF KIRKLAND
Planning and Community Development Department
123 Fifth Avenue, Kirkland, WA 98033 425.587.3225
www.ci.kirkland.wa.us

VERIZON WIRELESS FACILITY AT CARILLON POINT
NOTICE OF APPROVAL
APRIL 8, 2009

PERMIT NO. ZON09-00007

PROJECT NAME: Verizon Wireless Facility at Carillon Point

PROJECT ADDRESS: 4100 Carillon Point

APPLICANT OR AGENT: Rick Cardoza for Verizon Wireless

CITY OF KIRKLAND APPROVAL DATE: Date Application Approved: March 20, 2009

LAPSE OF APPROVAL: The applicant must begin construction or submit to the City a complete building permit application for the development activity or other actions approved under KZC Chapter 117 within one (1) year after the final approval of the City of Kirkland on the matter (by March 20, 2010), or the decision becomes void. Provided, however, that in the event judicial review is initiated per KZC 117.95, the running of the one year is tolled for any period of time during which a court order in said judicial review proceeding prohibits the required development activity or other actions. The applicant must substantially complete the development activity or other actions approved under KZC Chapter 117 and complete the applicable conditions listed on the Notice of Decision within two (2) years after the final approval on the matter (by March 20, 2011), or the decision becomes void. For development activity or other actions with phased construction, lapse of approval may be extended when approved under KZC Chapter 117 and made a condition of the Notice of Decision.

This NOTICE OF APPROVAL is granted subject to the attached conditions and development standards. Failure to meet or maintain strict compliance shall be grounds for revocation in accordance with the Kirkland Zoning Ordinance No. 3719 as amended.

The applicant must also comply with any federal, state or local statutes, ordinances or regulations applicable to this project. This Notice of Approval does not authorize grading or building without issuance of the necessary permits from the Kirkland Building Department.

CITY OF KIRKLAND
PLANNING AND COMMUNITY DEVELOPMENT

By: 
Sean LeRoy
Planner

Attachments: Conditions of Approval
Development Standards



CITY OF KIRKLAND

Planning and Community Development Department

123 Fifth Avenue, Kirkland, WA 98033 425.587-3225

www.ci.kirkland.wa.us

DEVELOPMENT STANDARDS LIST

File: ZON09-00007

ZONING CODE STANDARDS

115.25 Work Hours. It is a violation of this Code to engage in any development activity or to operate any heavy equipment before 7:00 am. or after 8:00 pm Monday through Friday, or before 9:00 am or after 6:00 pm Saturday. No development activity or use of heavy equipment may occur on Sundays or on the following holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas Day. The applicant will be required to comply with these regulations and any violation of this section will result in enforcement action, unless written permission is obtained from the Planning official.

115.95 Noise Standards. The City of Kirkland adopts by reference the Maximum Environmental Noise Levels established pursuant to the Noise Control Act of 1974, RCW 70.107. See Chapter 173-60 WAC. Any noise, which injures, endangers the comfort, repose, health or safety of persons, or in any way renders persons insecure in life, or in the use of property is a violation of this Code.

BUILDING DEPARTMENT CONDITIONS

Buildings and structures must comply with current editions of the International Building, Mechanical and Fire Codes and the Uniform Plumbing Code as adopted and amended by the State of Washington and the City of Kirkland.

Structures must be designed for seismic design category D, wind speed of 85 miles per hour and exposure C.

**VERIZON WIRELESS SERVICE FACILITY
ZON0-9-00007**

I. CONDITIONS OF APPROVAL

- A. This application is subject to the applicable requirements contained in the Kirkland Municipal Code, Zoning Code, and Building and Fire Code. It is the responsibility of the applicant to ensure compliance with the various provisions contained in these ordinances.
- B. The antennas and any visible mounting brackets and/or cables shall be painted to match the mechanical screen color.
- C. The maximum size for equipment structures in residential zones is 5 feet in height and 125 square feet in area. The maximum size in non-residential zones is 10 feet in height and 240 square feet in area.
- D. The proposed equipment structure shall comply with the noise standards found in KZC Section 117.70.9 & 115.95. AAAAA
- E. All personal wireless service facilities (PWSF) must meet or exceed current standards and regulations of the FAA, the FCC and any other agency of the Federal Government with the authority to regulate PWSF. If such standards and regulations are changed, then the owners of the PWSF governed by this chapter shall bring such PWSF into compliance with such revised standards and regulations in accordance with the compliance deadlines and requirements of such standards and regulations. Failure to bring PWSF into compliance with such revised standards and regulations shall constitute grounds for the removal of the PWSF at the owner's expense (KZC 117.65.14).
- F. In the event the use of any PWSF will be discontinued for a period of 60 consecutive days, the owner or operator shall so notify the City in writing, and the PWSF shall thereafter be deemed to be abandoned. Determination of the date of abandonment shall be made by the City which shall have the right to request documentation and affidavits from the PWSF owner or operator regarding the issue of PWSF usage. Upon such abandonment, the owner or operator of the PWSF or the owner of the property upon which such facility is located shall have an additional 60 days within which to:
 - a. Reactivate the use of the antenna or transfer the PWSF to another owner or operator who makes actual use of the PWSF; or
 - b. Dismantle and remove the PWSF. If such PWSF is not removed within said 60 days from the date of abandonment, the City may remove such PWSF at the facility owner's and property owner's expense.

At the earlier of 60 days from the date of abandonment without reactivation or upon completion of dismantling and removal, City approval for the PWSF shall automatically expire.

- G. Prior to issuance of a building permit or right-of-way permit, the applicant shall register with the City Clerk as required by Kirkland Municipal Code Section 26.08 and submit a copy of the registration along with the submittal of a building permit or right-of-way permit for the wireless facility (see Attachment 1).