



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

Web Site: portal.ct.gov/csc

VIA ELECTRONIC MAIL

May 26, 2023

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103-3597
kbaldwin@rc.com

RE: **DOCKET NO. 494** – Cellco Partnership d/b/a Verizon Wireless Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a telecommunications facility located south of Chestnut Hill Road at the intersection with Grilley Road and Lyman Road (Parcel No. 104-1-5B), Wolcott, Connecticut.

Dear Attorney Baldwin:

The Connecticut Siting Council (Council) is in receipt of your correspondence dated May 23, 2023 regarding the revision to the Development and Management (D&M) Plan for the above-referenced facility that was approved by the Council on May 27, 2022.

Pursuant to Regulations of Connecticut State Agencies (RCSA) §16-50j-77(b), your request to change the model of the remote radio head (RRH) to RF4439d-25A due to the unavailability of the approved RRH is hereby approved with the condition that a final structural analysis report taking into account the final loading of all entities on the tower and stamped by a Professional Engineer duly licensed in the State of Connecticut be submitted prior to the installation of Cellco's RRH.

Please be advised that deviations from the Council's Decision and Order and D&M Plan approvals are enforceable under the provisions of the Connecticut General Statutes § 16-50u. Furthermore, the Certificate Holder is responsible for reporting requirements pursuant to RCSA § 16-50j-77.

Thank you for your attention and cooperation.

Sincerely,

Melanie A. Bachman
Executive Director

MAB/MP/laf

May 23, 2023

Melanie A. Bachman, Esq.
Executive Director/Staff Attorney
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **Docket No. 494 – Application of Cellco Partnership d/b/a Verizon Wireless for a Certificate of Environmental Compatibility and Public Need for the Construction, Maintenance and Operation of a Wireless Telecommunications Facility Located off Chestnut Hill Road, Wolcott, Connecticut**

Change to approved remote radio head equipment model

Dear Attorney. Bachman:

On May 20, 2021, the Siting Council approved Cellco Partnership d/b/a Verizon Wireless' Certificate of Environmental Compatibility and Public Need ("Certificate") (Docket No. 494. The Development and Management Plan for the approved facility was approved by the Council on May 27, 2022. Construction of the facility commenced on or about February 28, 2023.

Cellco recently learned that the remote radio head ("RRH") it intended to install at this site was no longer available. The new RRH, model number RF4439d-25A will be installed in its place. Enclosed is a Structural Letter from Valmont Structures stating that the monopole as designed is structurally adequate to accommodate the new RRH model that Cellco intends to install.

Please contact me if you have any questions regarding this proposal.

Robinson+Cole

Melanie A. Bachman, Esq.

May 23, 2023

Page 2

Sincerely,

A handwritten signature in black ink, appearing to read "Kenneth C. Baldwin". The signature is fluid and cursive, with a long horizontal stroke at the end.

Kenneth C. Baldwin

Copy to:

Bryon Morawski

Tim Parks



April 27th, 2023

Bryon Morawski
Structure Consulting Group/Verizon Wireless
99 East River Drive
East Hartford, CT 06108
☎ 860-604-9142

Subject: ANSI/TIA-222-G Monopole Design Criteria
Site Name: Wolcott South CT, Wolcott, CT– 120' AGL Monopole w Future
Extension
Valmont Order No. 537228

Dear Mr. Morawski:

The monopole referenced above has been analyzed and meets the design criteria below in accordance with ANSI/TIA-222-G standard.

Monopole design criteria:

TIA-222-G Addendum 2 Including:
97 mph (3 Second Gust) Wind Speed, No Ice
50 mph (3 Second Gust) Wind Speed, 0.75" Ice Thickness
60 mph Basic Wind Speed With No Ice For Twist & Sway
Exposure Category: B
Structure Classification: 2
Topography Category: 3 with crest height 552 ft
Coordinates: N 41.590008°
W -73.008617°

The proposed monopole is structurally adequate to accommodate the following equipment at the 116' AGL elevation:

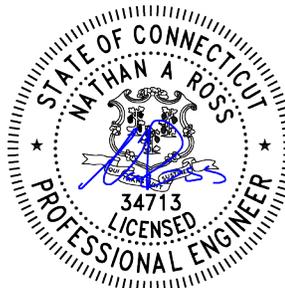
12 – JAHH-65B-R3B with mounting pipes
12 – RF4439d-25A
2 – Raycap RVZDC-6627-PF-48
1 – Site Pro 1 12' Low Profile Platform with Handrail mount

If there are any questions concerning the structural analysis, please don't hesitate in contacting me directly at (402) 359-6830 or emailing me at Yatong.Zeng@Valmont.com.

Sincerely,

A handwritten signature in blue ink, appearing to read "Yatong Zeng".

Yatong Zeng, PE
Design Engineer



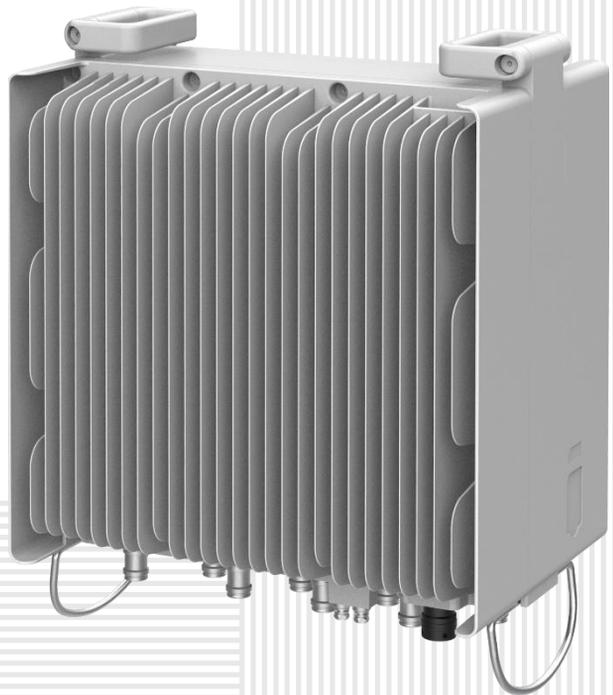
SAMSUNG

AWS/PCS MACRO RADIO

DUAL-BAND AND HIGH POWER
FOR MACRO COVERAGE

Samsung's future proof dual-band radio is designed to help effectively increase the coverage areas in wireless networks. This AWS/PCS 4T4R dual-band radio has 4Tx/4Rx to 2Tx/2Rx RF chains options and a total output power of 320W, making it ideal for macro sites.

Model Code RF4439d-25A



Homepage
samsungnetworks.com

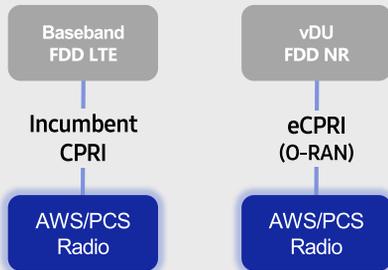


Youtube
www.youtube.com/samsung5g

Points of Differentiation

Continuous Migration

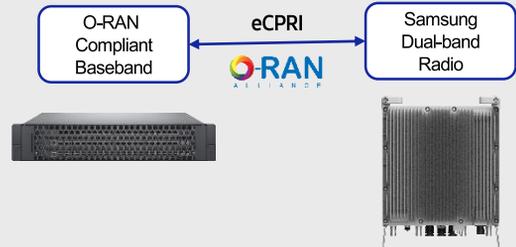
Samsung's AWS/PCS macro radio can support each incumbent CPRI interface as well as advanced eCPRI interfaces. This feature provides installable options for both legacy LTE networks and added NR networks.



O-RAN Compliant

A standardized O-RAN radio can help in implementing cost-effective networks, which are capable of sending more data without compromising additional investments.

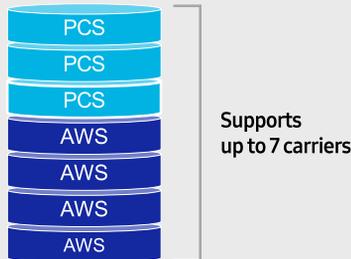
Samsung's state-of-the-art O-RAN technology will help accelerate the effort toward constructing a solid O-RAN ecosystem.



Optimum Spectrum Utilization

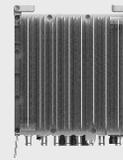
The number of required carriers varies according to site (region). Supporting many carriers is essential for using all frequencies that the operator has available.

The new AWS/PCS dual-band radio can support up to 3 carriers in the PCS (1.9GHz) band and 4 carriers in the AWS (2.1GHz) band, respectively.



Brand New Features in a Compact Size

Samsung's AWS/PCS macro radio offers several features, such as dual connectivity for baseband for both CDU and vDU, O-RAN capability, more carriers and an enlarged PCS spectrum, combined into an incumbent radio volume of 36.8L.



- 2 FH connectivity
- O-RAN capability
- More carriers and spectrum

Same as an incumbent radio volume

Technical Specifications

Item	Specification
Tech	LTE / NR
Brand	B25(PCS), B66(AWS)
Frequency Band	DL: 1930 – 1995MHz, UL: 1850 – 1915MHz DL: 2110 – 2200MHz, UL: 1710 – 1780MHz
RF Power	(B25) 4 × 40W or 2 × 60W (B66) 4 × 60W or 2 × 80W
IBW/OBW	(B25) 65MHz / 30MHz (B66) DL 90MHz, UL 70MHz / 60MHz
Installation	Pole, Wall
Size/Weight	14.96 x 14.96 x 10.04inch (36.8L) / 74.7lb