



## **RFS collaborates on ConcealFab 5G Radio Shroud, now approved for New York City Deployments**

New York City's Department of Information Technology and Telecommunications (DoITT) has approved the ConcealFab 5G Radio Shroud design, which uses RFS technology, for deploying 5G service across the city.

**Meriden, CT, USA December 18, 2019 – Radio Frequency Systems (RFS) has collaborated with ConcealFab to enable ConcealFab's 5G Radio Concealment Shroud to efficiently package a sizable amount of 5G mmW radio equipment, 4G radios, and interconnection cables while ensuring optimal radio frequency (RF) performance. "Using RFS's patented diplexers, which are the size of an apple, we have been able to accommodate the carrier's equipment configurations within the stringent form-factor and size constraints of the DoITT shroud" stated ConcealFab Executive VP, Technical Fellow William "Doc" Pounds.**

Mo, Bhuyan, Director of Key Accounts at RFS added, "To tackle network density – one of the biggest 5G hurdles – operators need to deliver 5G by installing large amounts of equipment, without visual impact. We're delighted to have worked with ConcealFab on a solution that addresses this to let 5G reach its full potential."

As 5G can utilize high-frequency energy to transmit and receive voice and data, ConcealFab's proprietary shroud materials had to optimize signal strength while protecting the equipment from weather and environmental exposure in a compact and easy to service configuration. Empirical testing has proven maximum RF performance from ConcealFab's proprietary clearWave™ radome material. Operators can now mount on a variety of new or existing pole types, in both the communication and power spaces, in 360-degrees of azimuth orientation. The familiar shape of the DoITT Shroud is widely used for 4G deployments, and the 5G Concealment Shroud's attachment to one pole quadrant meets Utility pole climbing requirements.

### **About RFS**

Radio Frequency Systems (RFS) is a global designer and manufacturer of cable, antenna and tower systems, plus active and passive RF conditioning modules, providing total-package solutions for wireless infrastructure.

RFS serves OEMs, distributors, system integrators, operators and installers in the broadcast, wireless communications, land-mobile and microwave market sectors. As an ISO compliant organization with manufacturing and customer service facilities that span the globe, RFS offers cutting-edge engineering capabilities, superior field support and innovative product design. RFS is a leader in wireless infrastructure.

### **Trademarks**

RFS® is a registered trademark of Radio Frequency Systems. All other trademarks are the property of their respective owners.

### **About ConcealFab**

ConcealFab is a privately held Inc. 5000 company headquartered in Colorado Springs, CO. We engineer and manufacture infrastructure mounting and concealment solutions for 4G and 5G deployments as well as products that minimize passive



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intermodulation (PIM). ConcealFab's resounding success and rapid growth result from our partnership with Operators, utilities, and multi-billion dollar OEM's. Our ability to pair engineering ingenuity and manufacturing nimbleness makes us a market leader in the wireless industry. As technology evolves, our team continues to develop innovative solutions that help our customers achieve faster site approval and improve wireless network performance.

For more details please visit [www.concealfab.com](http://www.concealfab.com) or email [sales@concealfab.com](mailto:sales@concealfab.com).

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