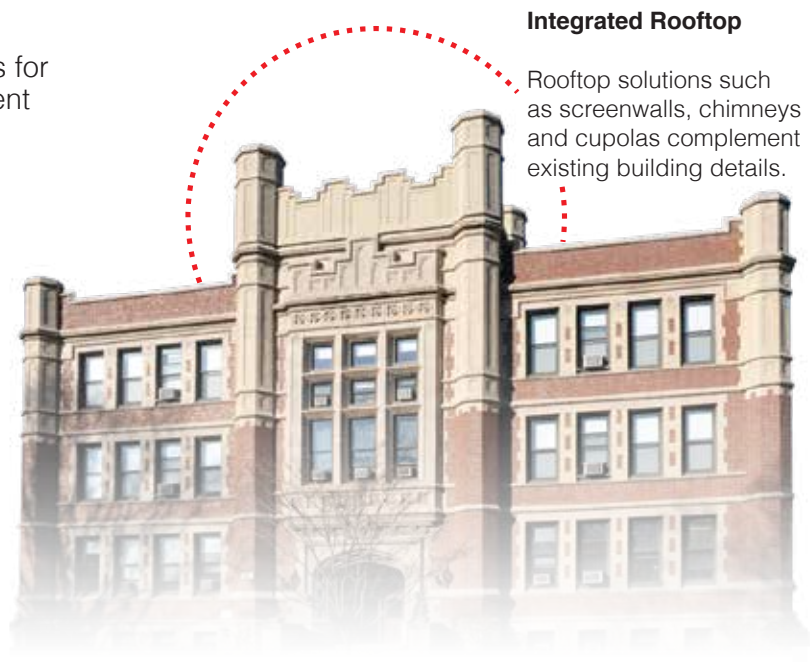
Raycap

Know how concealment materials impact 5G C-band signals

Macro cell sites are the ideal locations for C-band

Existing macro cell sites are the ideal locations for implementing C-band (3.3 - 4.2 GHz) equipment

- Electrical & backhaul already in place
- Many sites already owned or leased, so permission to upgrade a site is easier
- Likely won't require additional aesthetic review by city
- The big question: will existing concealment materials interfere with C-band signals?

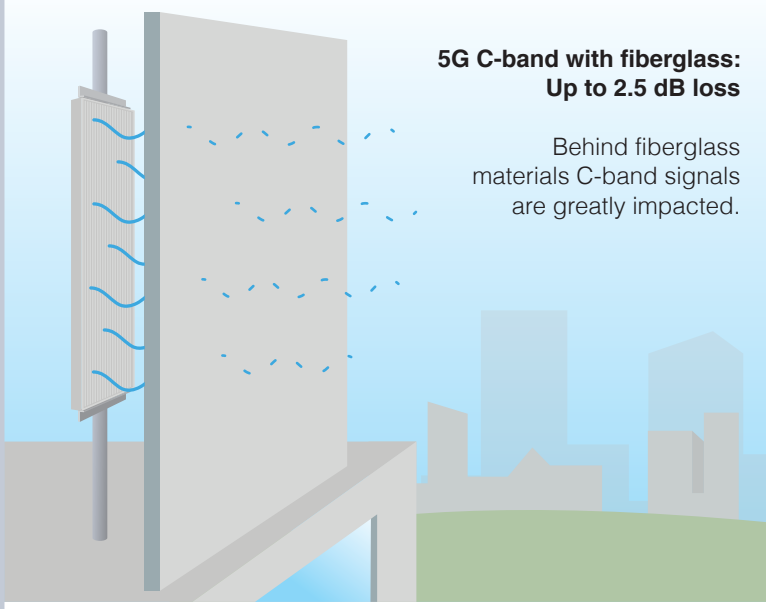


Integrated Rooftop

Rooftop solutions such as screenwalls, chimneys and cupolas complement existing building details.

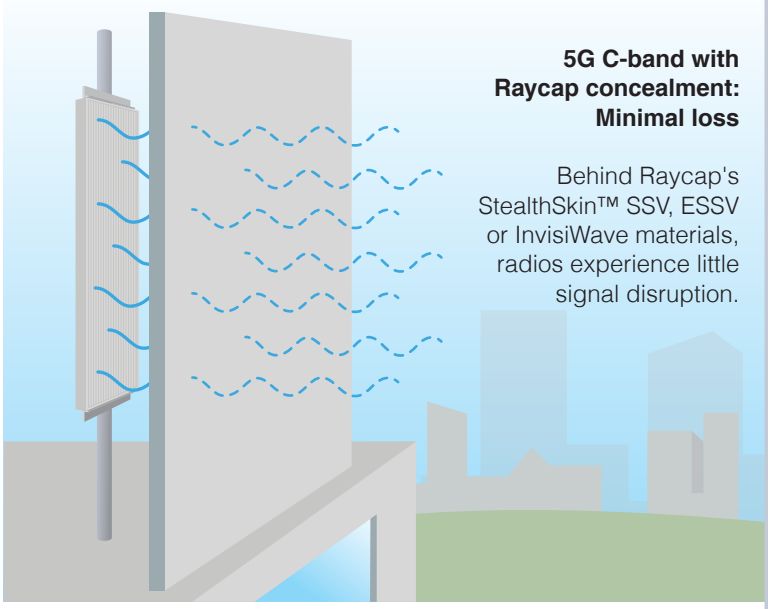
Traditional fiberglass materials introduce too much signal loss

Carriers must be aware that existing concealment materials, especially those made using fiberglass will degrade signals from the C-band radios.



5G C-band with fiberglass: Up to 2.5 dB loss

Behind fiberglass materials C-band signals are greatly impacted.

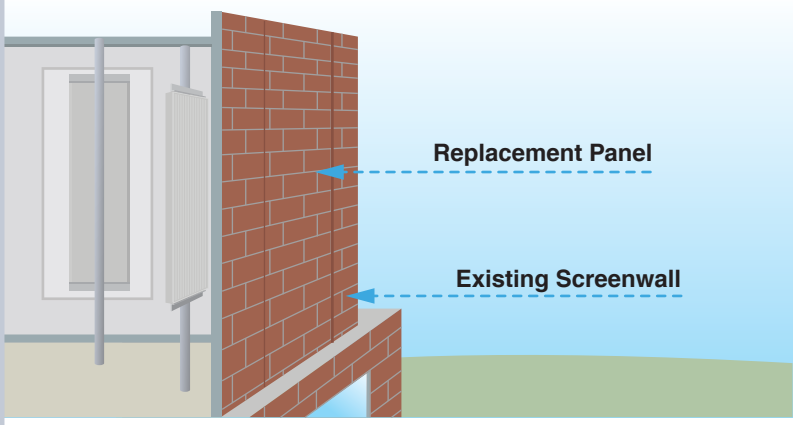


5G C-band with Raycap concealment: Minimal loss

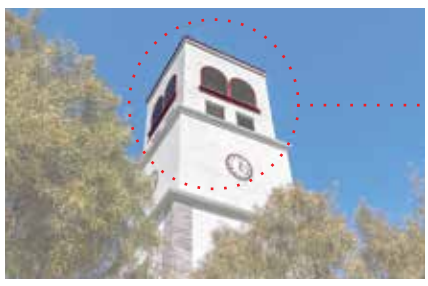
Behind Raycap's StealthSkin™ SSV, ESSV or InvisiWave materials, radios experience little signal disruption.

Raycap materials do not degrade C-band signals

1. Use one of our C-band friendly materials, StealthSkin SSV, ESSV or InvisiWave to retrofit an existing site
2. Replace a portion of an existing site with an apeture made from RF-friendly materials
3. Create an entirely new concealment using future-proof Raycap materials that are designed for optimum signal propagation



Examples:

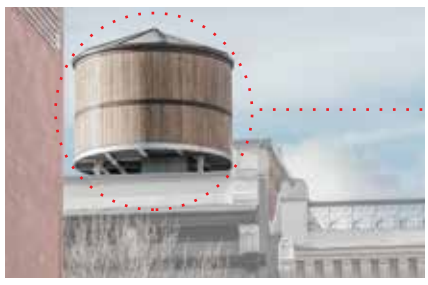


Retrofitted site

Added fascia to conceal radios while optimizing signal

Existing Screenwall

Replacing portion with new material allowing better signal



New Concealment

Optimized placement and concealment for best signal in desired public location

Talk to the experts in RF-friendly concealments

Raycap

Meeting the expanding demand for 4G, 5G, C-band and more by choosing the best options for your sites, finished and painted to your specifications.

Contact us today for more information on how we can help with retrofit or new design of C-band concealments.

View more information at: *www.raycap.com/streamline-your-rollout*