

Interference mitigation filter solutions

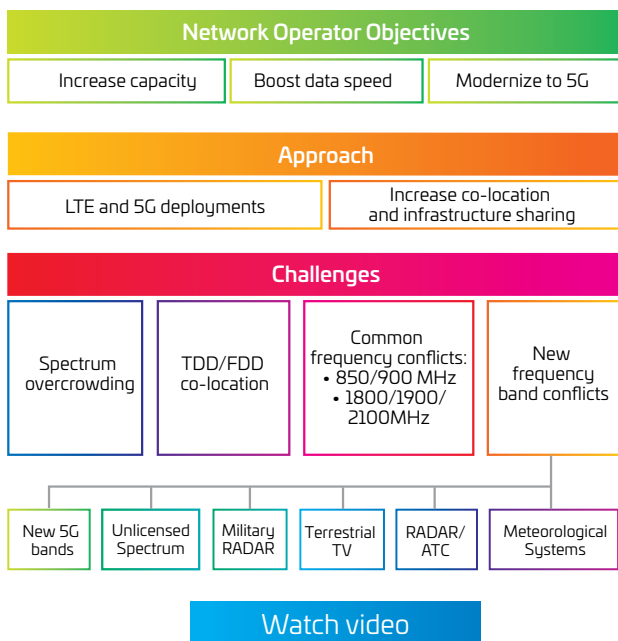
Unlocking your spectrum potential

Damage beyond dollars

The real cost of network interference

Interference is everywhere—co-channel and adjacent channel—degrading capacity, eroding coverage, dragging down quality of service and wreaking havoc on the bottom line. If you operate near a national border or in frequencies adjacent to other networks such as public safety, air traffic control and digital broadcast television, the complexities and consequences are compounded.

Are you the victim or are you the cause?



For LTE and 5G networks, a clean RF environment with minimized signal interference is essential for delivering peak performance.

- New 5G bands will create new interference scenarios where coexistence is needed alongside legacy systems in service.
- Tightening zoning regulations are fueling a trend toward co-location and site sharing.
- Wireless providers are pushing the limits on frequency reuse and tapping into guard bands to stretch spectrum investments.

Pushing what's possible in interference mitigation

The unique RF and interference characteristics of each network often dictate a fully customized filtering solution. CommScope is one of the very few providers with the in-house resources and engineering expertise to handle it. More importantly, we work closely with you to find the best solution and ensure your performance specifications, budget and timeline are met.

Proven technology

CommScope's interference mitigation filter (IMF) solutions use proprietary technology that effectively suppresses interfering bands while guarding against noise from nearby adjacent frequencies.

Highly flexible, IMF technology can be incorporated into a variety of filter types and designs. IMF solutions can be deployed as standalone filters or integrated into tower mounted amplifiers (TMAs) and multiband combiners.

CommScope IMF solutions include both fully customized designs as well as a complete line of existing solutions that can be adapted for your specific needs.

Our IMF solutions are compact and lightweight to reduce tower loading and leasing costs, while increasing spectral efficiency and quality of service.

CommScope is advancing what's possible with integrated filter technology. Watch for more to come on filtered RF cabling.

To learn more, read our [case studies](#).

Contact a CommScope representative today. Schedule a meeting or a workshop with CommScope's technology experts and let us help you find the right solution to address your interference concerns.

commscope.com Visit our website or contact your local CommScope representative for more information.

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