

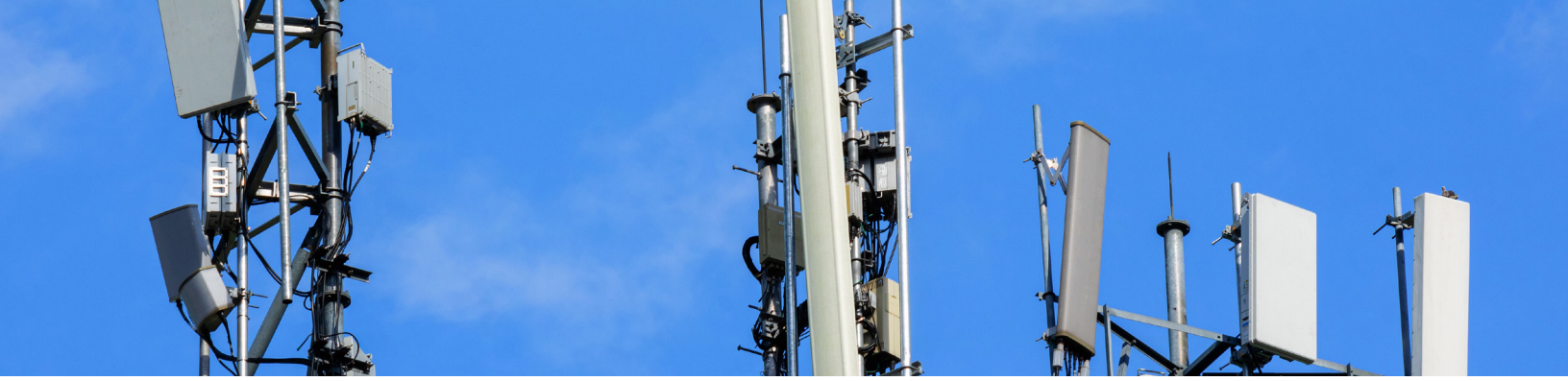
PIM reduction as next-gen as your network.

Introducing the new 3M™ PIM Reduction Kit 1300

As spectrum utilization increases, it is no longer possible to simply avoid interference caused by passive intermodulation (PIM). Next-generation networks, especially 5G, need stronger protection to help maintain network performance and reliable service for your customers.

The new 3M™ PIM Reduction Kit 1300 is a solution for today's biggest signal integrity challenges. Combining 3M's trusted expertise in EMI/EMC applications and adhesives, this out-of-the-box solution helps you reduce conducted PIM without significantly increasing costs, labor or disruptive downtime.





Protect your network in three easy steps.

The 3M™ PIM Reduction Kit 1300 is made up of three layers, each developed through 3M science:

- 1. 3M™ External PIM Absorber 1000:** Composite material consisting of a carrier resin, magnetic fillers and an acrylic pressure sensitive adhesive (PSA)
- 2. Scotch® Linerless Rubber Splicing Tape 130C:** Provides electrical and mechanical protection with the combination of an aggressive rubber resin adhesive and a self fusing, ethylene propylene backing.
- 3. “Do Not Remove” Label:** Informs technicians that the layers of tape shouldn’t be removed during maintenance tasks

Together, these products offer an effective, robust solution for passive intermodulation (PIM) issues while allowing for easier installation with zero site downtime. In addition, it does not impede antenna adjustment and helps you promote the greater signal-to-noise ratio you need to support the higher data rates of 5G networks.



Understanding the two types of PIM interference

- ▶ **Conducted PIM:** Induced currents flowing in structural elements generate PIM if a non-linear junction is reached (e.g., antenna mounting brackets, rusty bolts or hose clamps, etc.)
- ▶ **Radiated PIM:** Generated from a non-linear junction directly irradiated by the antenna

Unlike conventional shielding solutions, 3M™ PIM Reduction Kit 1300 helps you protect against conducted PIM interference by absorbing PIM-creating currents before they reach a potential.

Visit us at [3M.com/PIMreduction](https://www.3M.com/PIMreduction) to learn more and connect with our experts.

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