



GORE™ snapSHOT® Board Level Shield

FEMTOCELL APPLICATION SUMMARY

Eliminate signal interference without redesigning boards

Application Overview

A customer had completed the design of a femtocell product to be used in a national telecommunication system. Key issues for this application include the following:

- Reliable data transmission
- Interference among components
- Package size and weight

During alpha testing of the complete system, the customer found interference from several of the internal components. They had a predetermined form factor that required them to maintain the same board size. Conventional can technology would have required that they increase the board size to accommodate multiple cans.

The Gore Solution

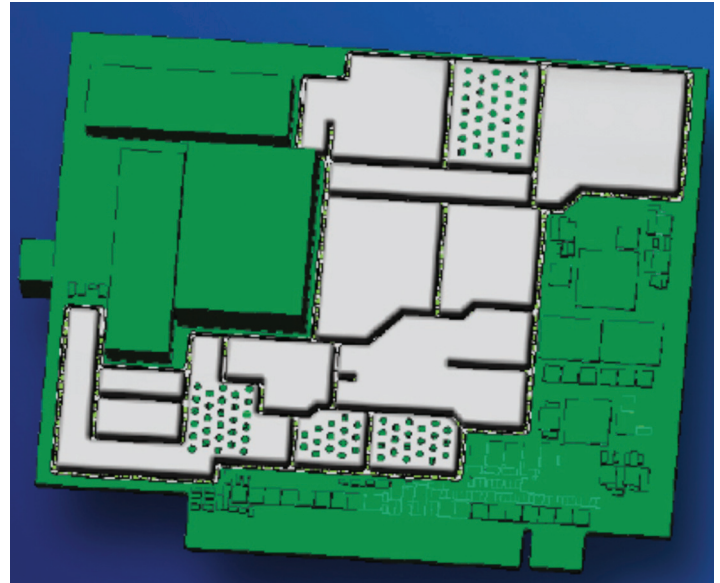
GORE™ snapSHOT® Board-Level Shields provide high-quality signal performance up to 12 gigahertz, eliminating interference among components. For this application, Gore engineers developed a shield with three cavities at different heights to accommodate

different components, and they provided a vent to work with the board's cooling fan. Because these lightweight, multi-cavity shields are custom designed, the customer was able to eliminate interference between components without using multiple cans and without having to redesign the printed circuit boards.

Realize the Benefits of GORE™ snapSHOT® Board-Level Shields

- Improved signal integrity with excellent EMI shielding
- Elimination of interference without board redesign
- Reduced product size with low-profile shields
- Increased design flexibility with multi-cavity shielding solutions

Drawing on more than 50 years of experience in fluoropolymer research and applications, W. L. Gore and Associates continues to engineer innovative products for board-level shielding. For assistance in selecting the right shielding product for your application, contact your Gore representative today.



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