Case Study
Electronics Cabinets for Indoor Railway Applications

HIGH-PERFORMANCE EMC PROTECTION FOR SIGNALING AND COMMUNICATIONS EQUIPMENT

- Signaling and communications equipment in rail has to perform safely, especially in critical environments
- Ensuring effective coordination of trains, through a reliable and high speed data bandwidth
- Improving real-time data integrity, minimizing delays, ensuring immediate maintenance.

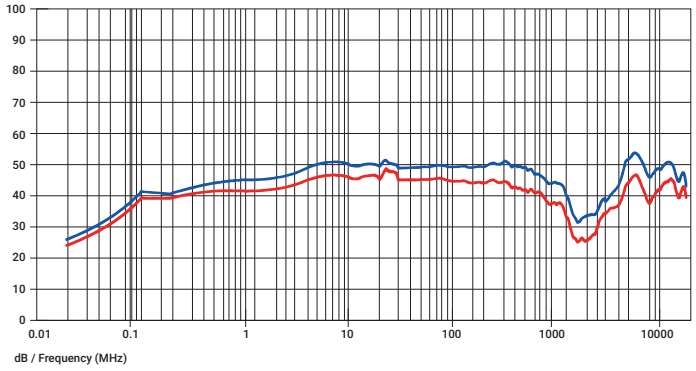
CHALLENGE

- New electronic systems providing more data but also adding more complexity
- Coexisting rail systems are creating an intricate electromagnetic environment
- More passengers and freight, combined with limited infrastructure capacity
- Low operational costs

PROJECT DETAILS	
Location	Global Scope
Type of System	Signaling and Communications
Technology	nVent SCHROFF Varistar
Product Scope	Electronics Cabinet
Date/Time Frame	Ongoing
Contract Scope	Electromechanical delivery and installation

SOLUTION

The **nVent SCHROFF Varistar EMC** is one of the very few electronic cabinets which has been tested successfully according to EN 61000-5-7 up to **18 GHz** in addition to IEC 61587-3 and offers best-in-class shielding protection: Attenuation of 40 dB at 3 GHz and 30 dB at 10 GHz with a solid door.



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