

USE CASE - REMOTE ANTENNA FOR VEHICLES



The Customer

Rohde & Schwarz Benelux B.V., an independent subsidiary of Rohde & Schwarz GmbH in Munich, which supplies a number of additional product lines from companies represented by RSBNL in addition to its own products.

The Challenge

Rohde & Schwarz Benelux B.V. was looking for a remote antenna solution for a spectrum monitoring system to be installed in a vehicle that would meet its spectrum requirements.

The Solution

RFOptic's remote antenna solution consists of a control and monitoring center installed in a van and two antennas that are installed remotely at a distance of maximum 250 meters apart. The frequencies will be up to 8GHz. Furthermore, the equipment features remote management capabilities for M&C.

The Result

The HSFDR link of 113 dB/Hz SFDR meets the signal requirements and also provides excellent phase noise, phase linearity, and gain flatness. The versatile solution was supplied with indoor and outdoor enclosures. The company has since ordered another system.

For more information, contact sales@rfoptic.com