

R&S® AirLancer SurgeProtect

Surge protection for connection between R&S® LANCOM outdoor antennas and access points or outdoor SD-WAN gateways

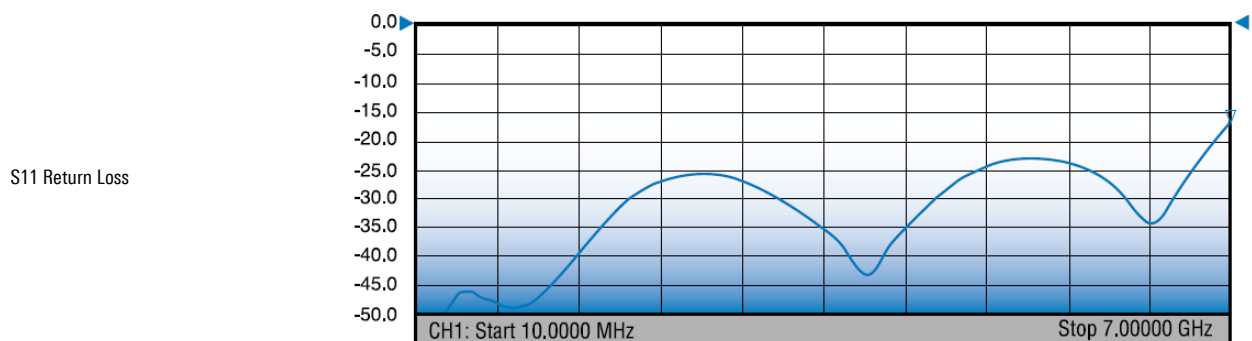


Outdoor wireless networks are particularly exposed to many environmental effects that can impair their functionality. Even in the case of partial discharges, lightning strikes or other electrostatic processes can damage the sensitive modules of access points and routers through overvoltages, despite external protective measures. This is why protecting the network components used is a top priority. Mounted between the access point or outdoor SD-WAN gateway and the outdoor antenna, the R&S® AirLancer SurgeProtect provides professional surge protection for outdoor installations.

- ▶ Surge protection for connection between R&S® LANCOM outdoor antennas and R&S® LANCOM access points or outdoor R&S® LANCOM SD-WAN gateways (e. g. R&S® LANCOM OAP-5G)
- ▶ Central components for lightning protection
- ▶ Low signal attenuation

R&S® AirLancer SurgeProtect

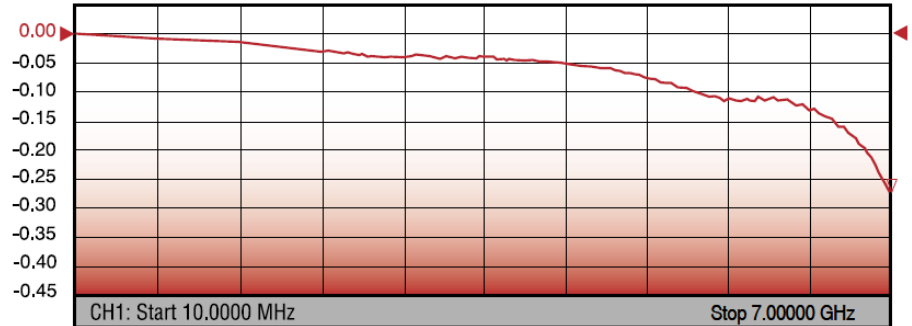
Technical Information	
Frequency range	DC to 7000 MHz
Insertion Loss	below 0.2 dB @ DC-6700 MHz; below 0.3 dB @ 6700-7000 MHz
Protection Circuit	DC Pass
Surge Current	10kA multiple (8x20µs wave-form)
Impulse Sparkover	700V (1kV/µs)
Mechanical Information	
Connectors	1 x N-Plug (protected side) - 1 x N-Jack (antenna side)
Weight	40 g
Housing material	aluminium
Operating temperature	-40° to 85°C
Support	
Warranty extension	2 years
Suitable for	
Antennas	All R&S® AirLancer ON antennas
Antenna cable	R&S® AirLancer cable NJ-NP 3m, item no. 61230, R&S® AirLancer cable NJ-NP 6m, item no. 61231, R&S® AirLancer cable NJ-NP 9m, item no. 61232
Adapter	R&S® AirLancer AN-RPSMA-NJ adapter to connect ON Antennas to R&S® LANCOM Indoor Access Points and IAPs, item no. 61259
Fit for the following R&S® LANCOM devices	
Outdoor	R&S® LANCOM OAP Series 32x, 82x, 170x, OW-602, OX-6402 and OAP-5G (with external antenna connectors)
Indoor	All R&S® LANCOM Indoor Access Points mit externen Antennenanschlüssen and IAPs via separately available Adapter R&S® AirLancer AN-RPSMA-NJ*
*) Note	You need one adapter per antenna connector
Item number(s)	
R&S® AirLancer SurgeProtect	61257
Return Loss / Insertion Loss	



R&S® AirLancer SurgeProtect

Return Loss / Insertion Loss

S21 Insertion Loss



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