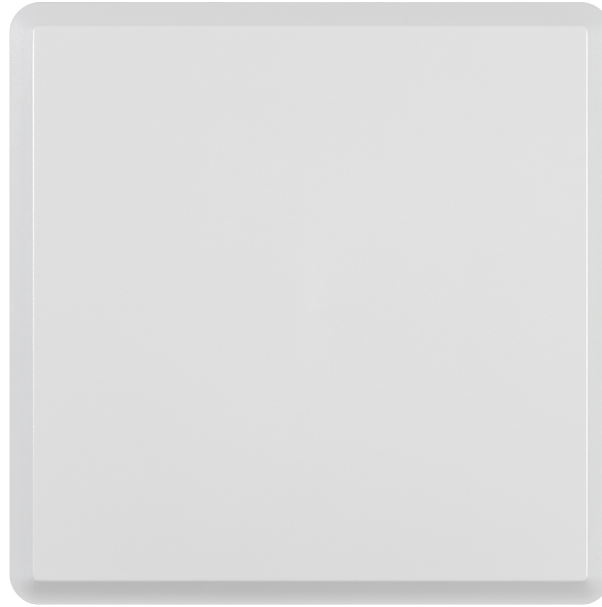


R&S® AirLancer ON-Q30

30° outdoor Wi-Fi sector antenna with 4x4 MIMO



The weatherproof R&S® AirLancer ON-Q30 sector antenna with a beam angle of 30° is ideal for Wi-Fi coverage in high-density environments such as stadiums and concert halls. With 4x4 MIMO support and dual-band capability on all four ports, the antenna offers a reliable Wi-Fi connection even with a high client density, especially in combination with the R&S® LANCOM outdoor access point OX-6402. Cables and adapters are included in the mounting kit for attachment to walls or masts.

- ▶ Outdoor Wi-Fi sector antenna with 30° beam angle and +10 dBi gain (2.4 GHz and 5 GHz)
- ▶ 4x4 MIMO technology for reliable Wi-Fi coverage in high-density environments
- ▶ Mounting kit for wall and pole mounting, cables, and adapter included
- ▶ Ideal for R&S® LANCOM access points with 4 external antenna connectors such as R&S® LANCOM OX-6402, R&S® LANCOM LX-6402, or alternatively R&S® LANCOM OW-602

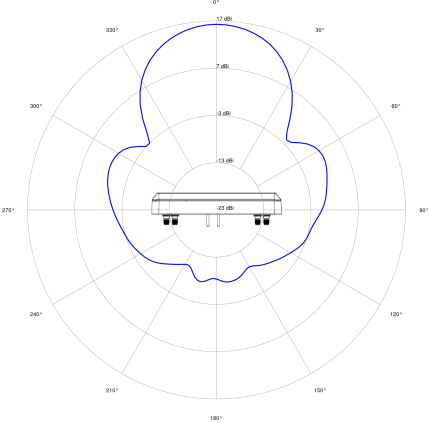
R&S® AirLancer ON-Q30

Technical Information	
Frequency range	2400 MHz - 2500 MHz and 4900 – 5875 MHz
Impedance	50 Ohm
Gain	10 dBi @ 2.4 GHz and 5 GHz
Half-Power-Beam-Width horizontal	30° @ 2.4 GHz and 30° @ 5 GHz
Half-Power-Beam-Width vertical	30° @ 2.4 GHz and 30° @ 5 GHz
VSWR	typ. 1.5:1 - max. 2.0:1
Mechanical Information	
Connectors & Cables	4 x 100cm UV stable ULA100 cable with N-Plugs (detachable)
Dimensions	370 mm (L) x 370 mm (W) x 30 mm (H)
Weight	2.2 kg
Housing material	UV resistant plastic
Color	lightgray
Operating temperature	-40° to 85°C
Article	
Recommended use case	Sector coverage
Mounting material	articulating wall and pole mount accessories included
Support	
Warranty	2 years support
Accessories	
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
Surge arrester (antenna cable)	R&S® AirLancer SurgeProtect surge arrester (2.4 and 5 GHz), to be integrated between Access Point and antenna, item no. 61257
Fit for the following LANCOM devices	
Outdoor	R&S® LANCOM OW and OX series (with external antenna connectors)
Indoor	All R&S® LANCOM Indoor Access Points 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 ON-Q30	61266

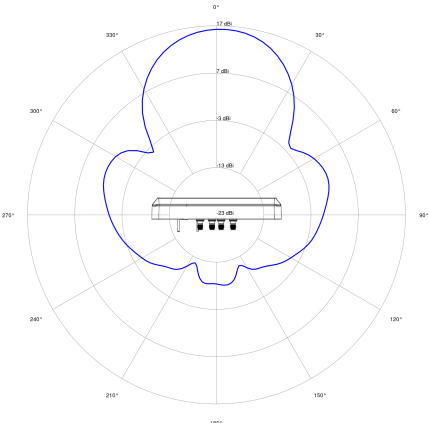
R&S® AirLancer ON-Q30

Antenna Gain (combined gain of all antenna elements)

2.4 GHz, Azimuth Plane



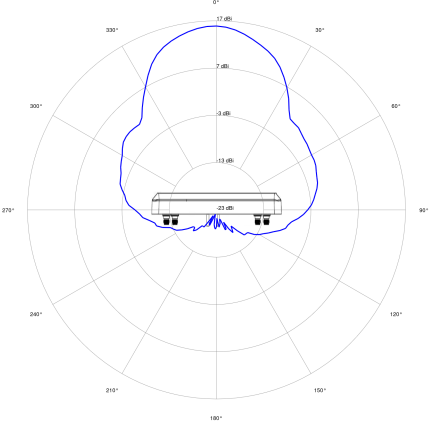
2.4 GHz, Elevation Plane



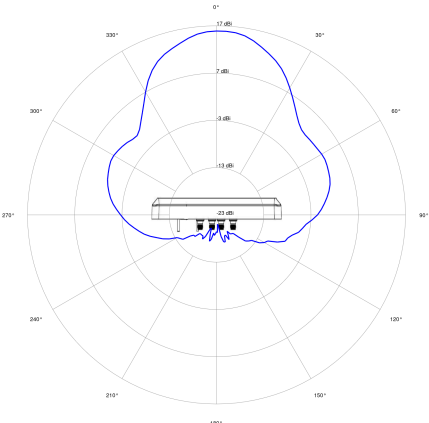
R&S® AirLancer ON-Q30

Antenna Gain (combined gain of all antenna elements)

5.25 GHz, Azimuth Plane



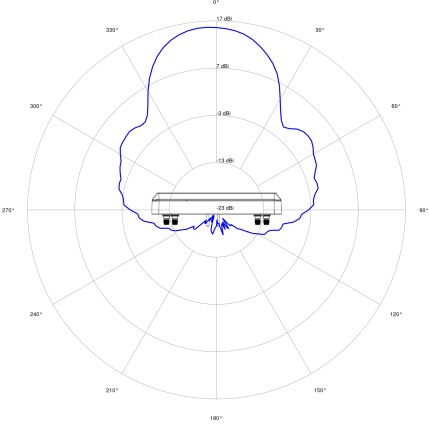
5.25 GHz, Elevation Plane



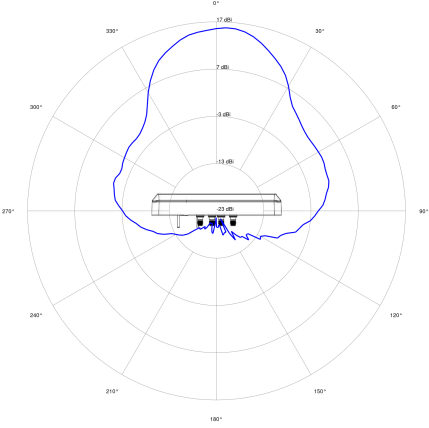
R&S® AirLancer ON-Q30

Antenna Gain (combined gain of all antenna elements)

5.6 GHz, Azimuth Plane



5.6 GHz, Elevation Plane



R&S® AirLancer ON-Q30



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