

Vertical antenna diagram

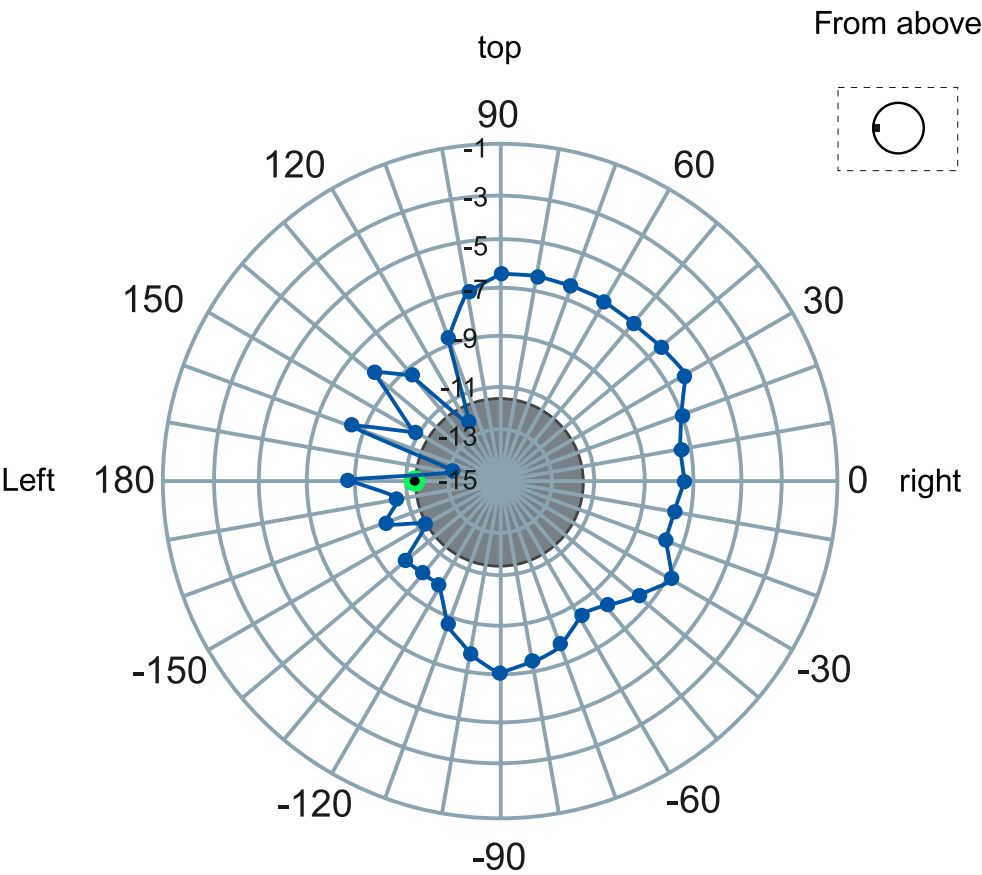


Figure 7-3 Vertical directional characteristics of the helical antenna

7.3.2 λ5/8 antenna for RCoax cable (5 GHz)

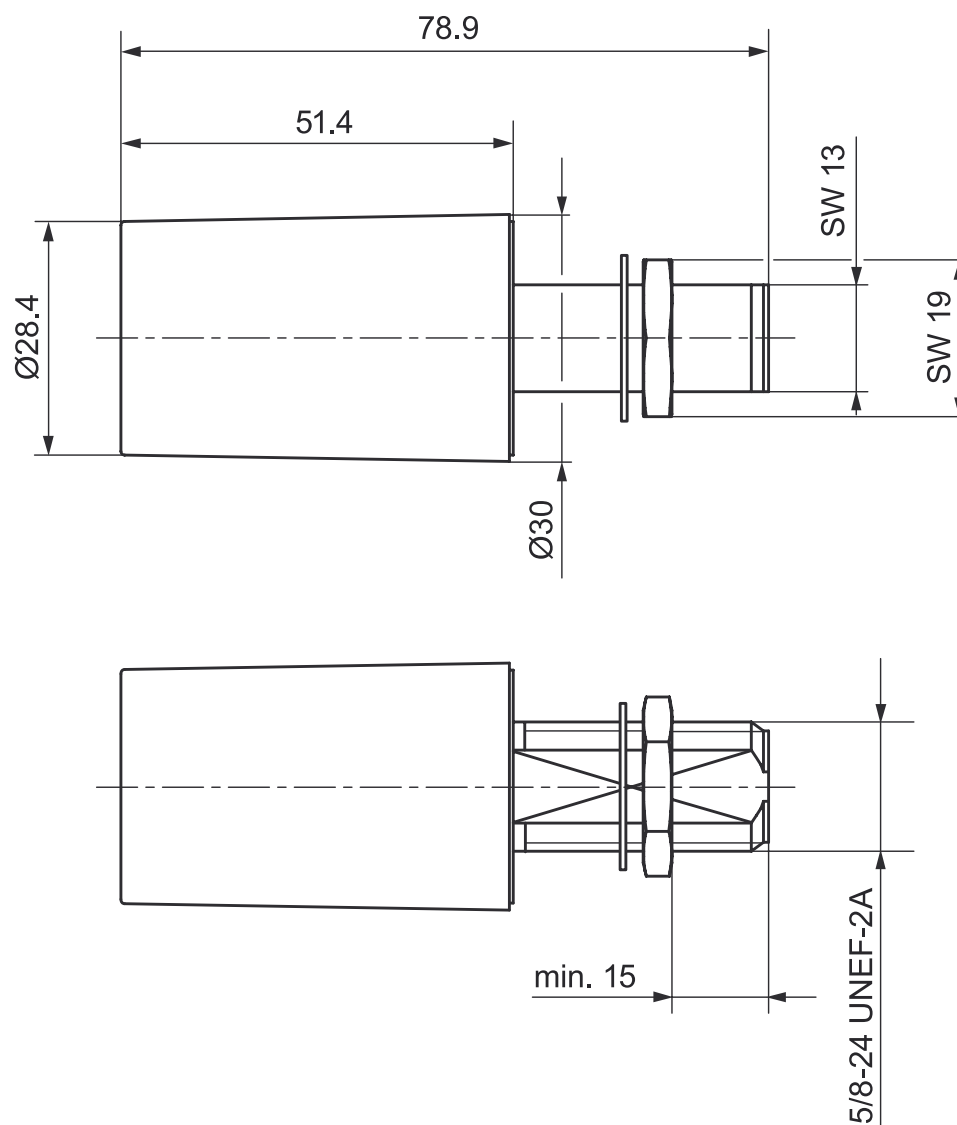
RCoax N-Connect Female ANT793-4MN (antenna 5 GHz, λ5/8)

Technical specifications	
Article number	6GK5793-4MN00-0AA6
Electrical data	
Frequency range	5.15 ~ 5.85 GHz
Max. antenna gain	6 dBi
Impedance	50 Ω
Polarization	Vertical (λ5/8 characteristic)
Standing wave ratio (VSWR)	≤2.0
Construction and dimensions	
Dimensions (length x diameter)	78.9 x 30 mm
Length of securing thread	27.5 mm
Connector	N connector, female

Technical specifications	
External material	Lexan
Degree of protection	IP65
Permitted ambient conditions	
Ambient temperature	-40 ... +70 °C

Dimension drawing

The dimensions are specified in mm.



Horizontal antenna diagram at 5.2 GHz in dB

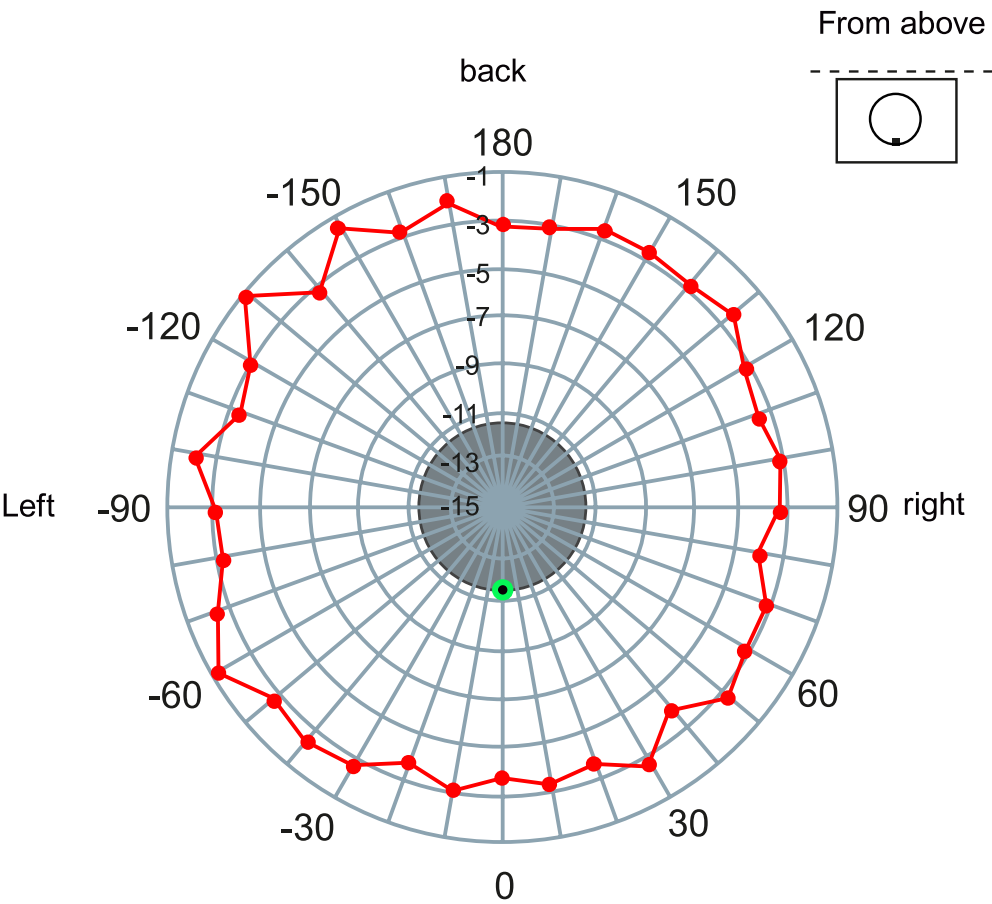


Figure 7-4 Horizontal radiation pattern ANT793-4MN

Vertical antenna diagram for different azimuth angles at 5.2 GHz in dB

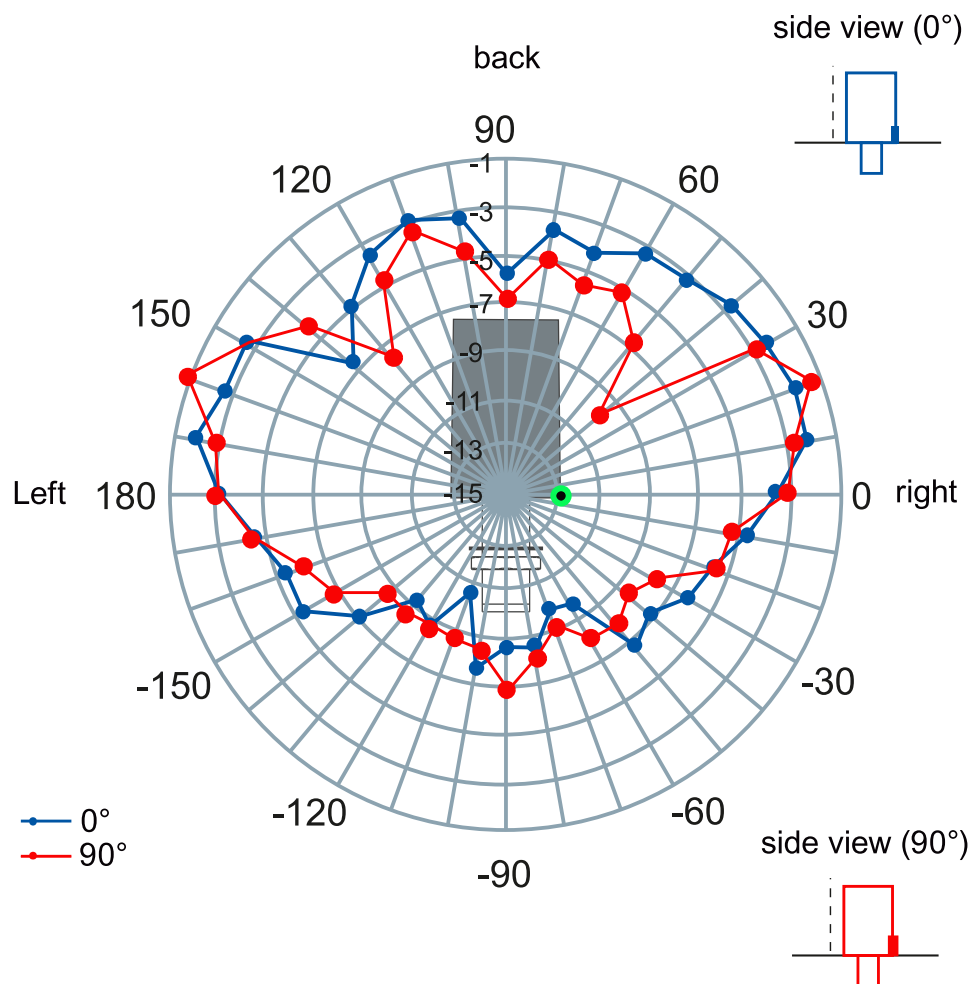


Figure 7-5 Vertical radiation pattern ANT793-4MN

Horizontal antenna diagram at 5.7 GHz in dB

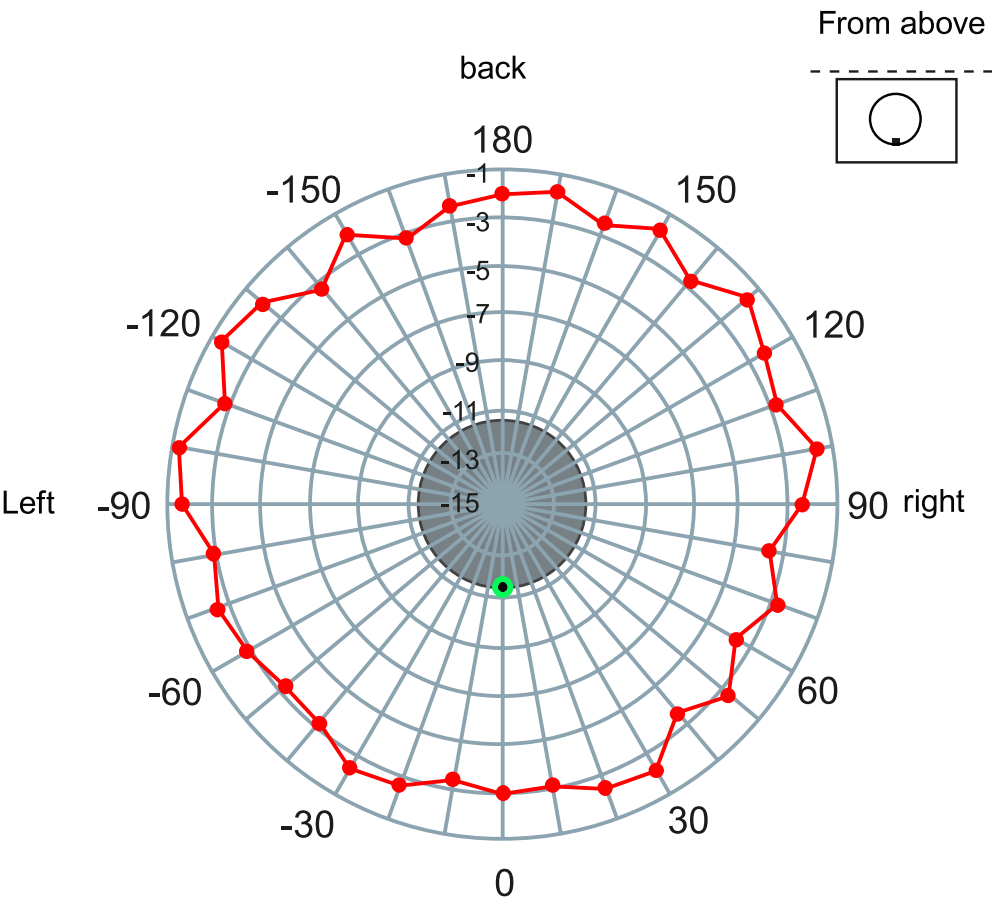


Figure 7-6 Horizontal radiation pattern ANT793-4MN at 5.7 GHz

Vertical antenna diagram for different azimuth angles at 5.7 GHz in dB

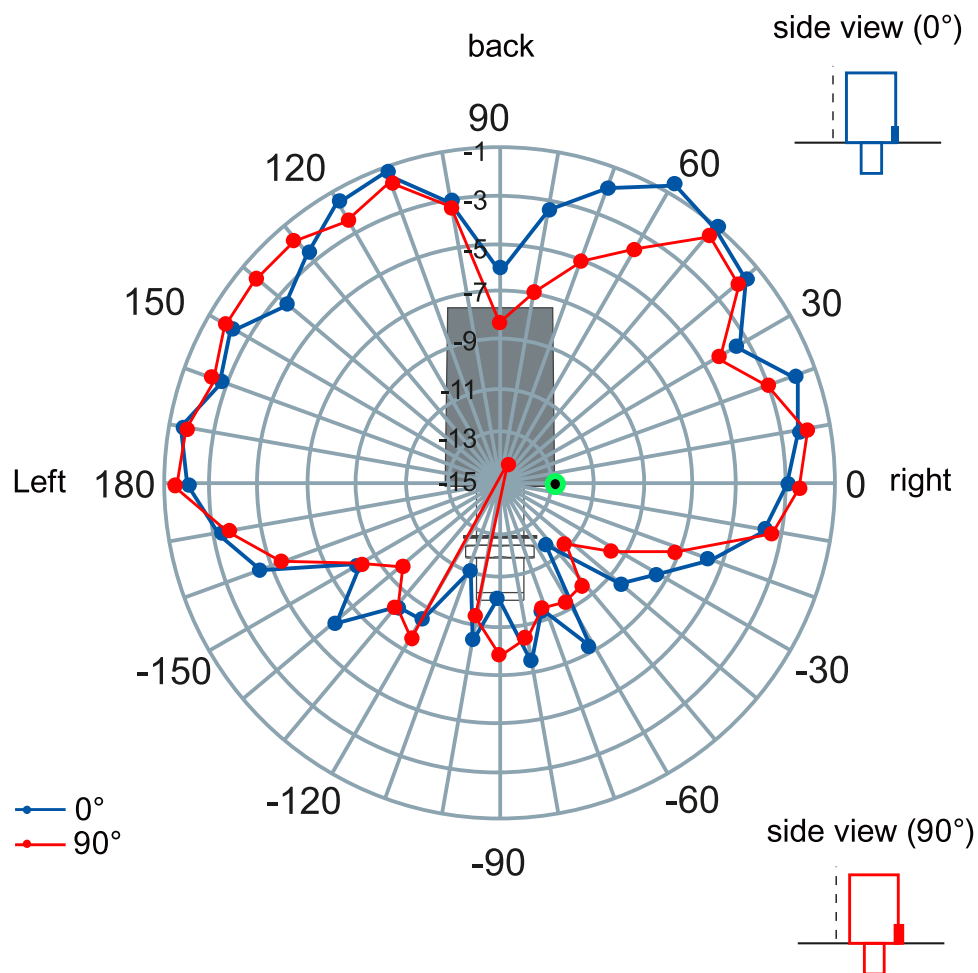


Figure 7-7 Vertical radiation pattern ANT793-4MN at 5.7 GHz

Antenna gain

The diagram shows the typical maximum antenna gain.

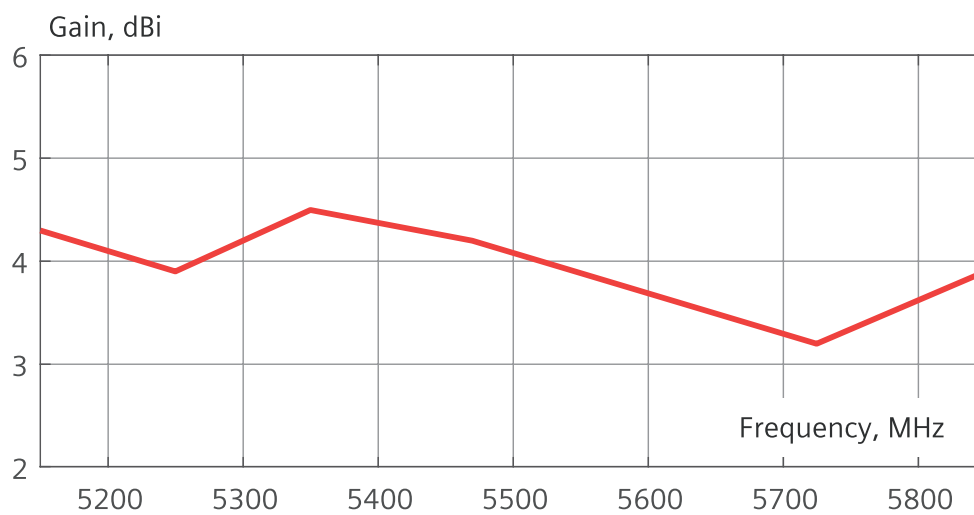


Figure 7-8 Typical antenna gain ANT793-4MN