

L1/E1-Band DCP Antenna

1U Space System

DESCRIPTION

L1/E1-Band System is a **2-port dual-circular-polarized (DCP) antenna**. It has been specially designed for **space applications**, being perfect for smallsats due to its **compact size (1U)**.

HERITAGE

With many years of experience within the aerospace sector, we offer the best of our experience in each new project, combining our know-how with the fulfillment of the highest quality standards

+ 20 SPACE PROGRAMS
+ 10 YEARS OF EXPERIENCE
+ 10 DEVELOPMENTS IN ORBIT

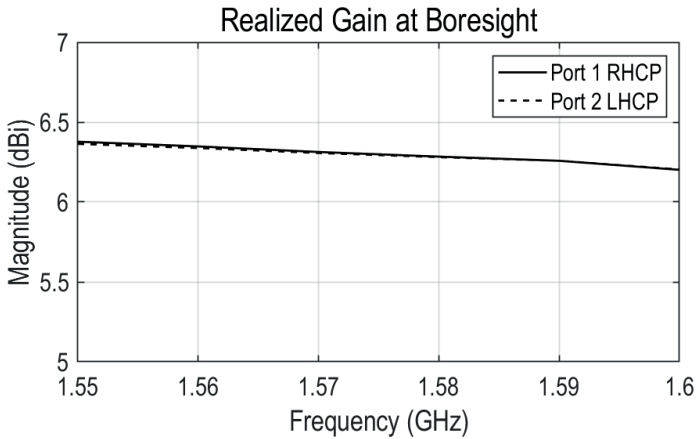
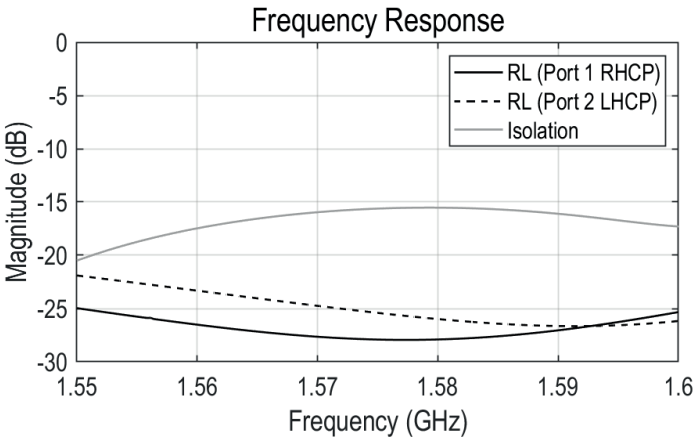
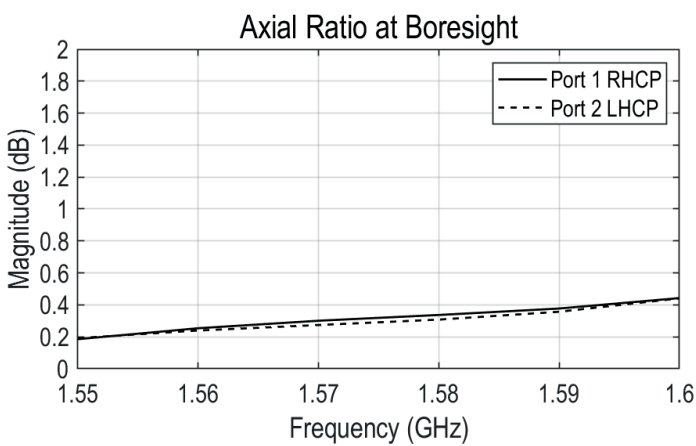
CLIENTS

Clients in more than **50 countries** trust in us. Leading companies all over the world believe in our capabilities to face the most demanding challenges.



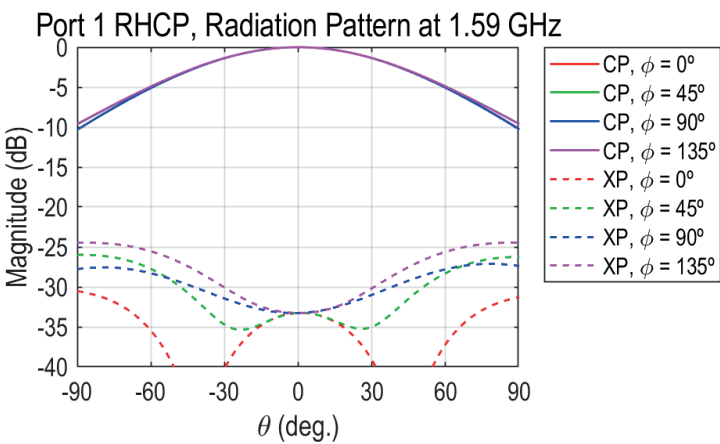
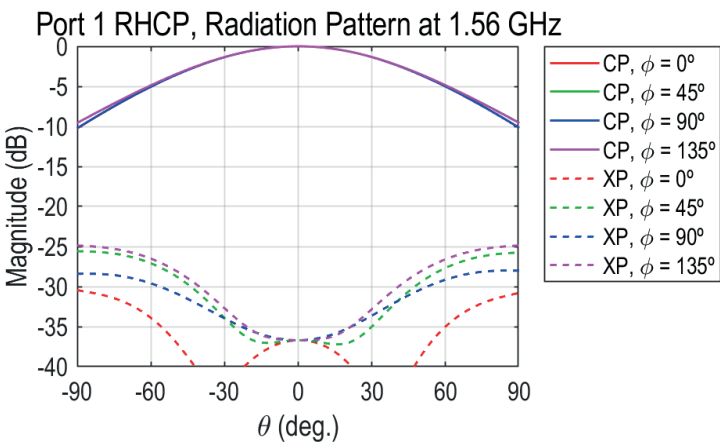
ELECTRICAL SPECIFICATIONS

Parameter	Typical value
Frequency band	1.55 – 1.60 GHz
Polarization	Dual Circular
Return Loss	20 dB
Isolation	15 dB
Realized Gain	6 dBi
Cross-Polar	25 dBi
Axial Ratio	0.5 dB



MECHANICAL SPECIFICATIONS

Parameter	Description
Connector	SMA connector (F)
Size	96 x 96 x 7mm
Weight	150 g
Material	Dielectric Substrate



Additional notes

All values are typical and correspond to simulated sample. Actual values could vary slightly. The complete performance will be checked before delivery to fulfill specifications.

Last version: 12/03/2024



MECHANICAL OUTLINE

