

S-Band TTC DCP Antenna

1U Space System

DESCRIPTION

S-Band TTC System is a **2-port dual-circular-polarized (DCP)** antenna. It has been specially designed for TTC and 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

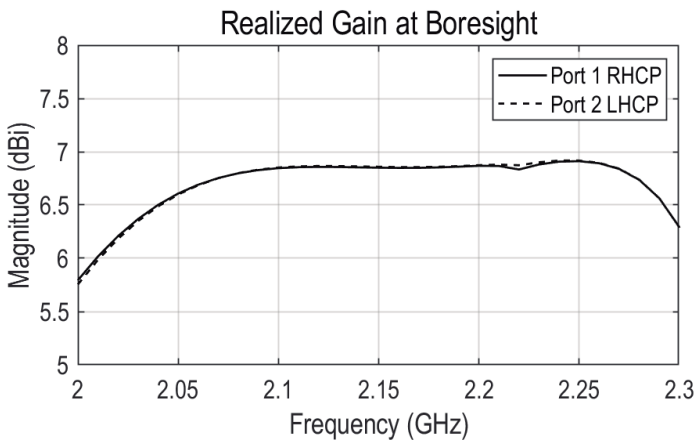
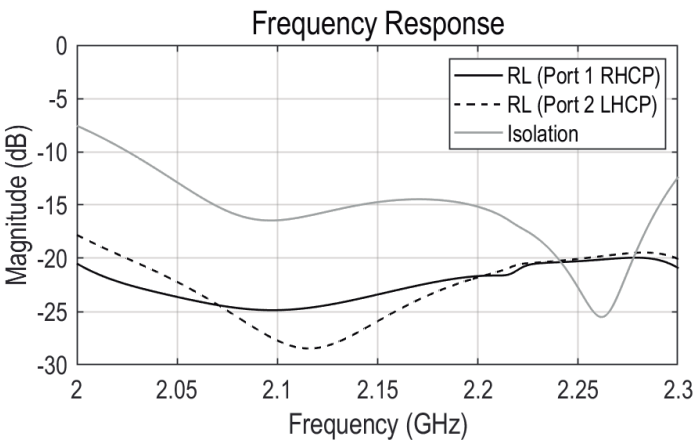
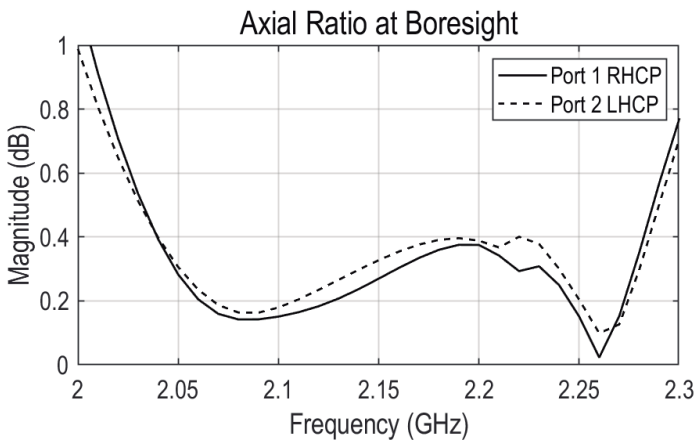
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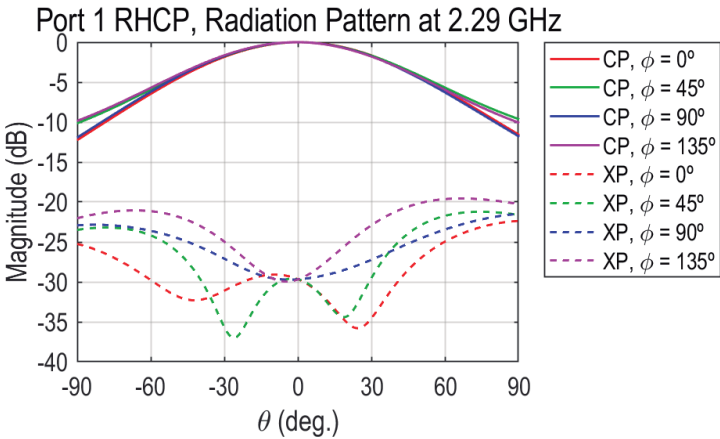
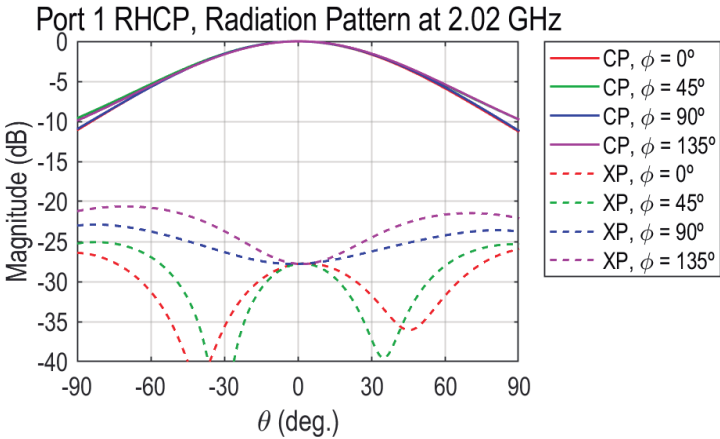
Clients in more than **50 countries** trust in us. Leading companies all over the world believe in our capabilities to face the most demanding challenges.



ELECTRICAL SPECIFICATIONS

Parameter	Typical value
Frequency band	2.025 – 2.290 GHz
Polarization	Dual Circular
Return Loss	18 dB
Isolation	12 dB
Realized Gain	6 dBi
Cross-Polar	-25 dB
Axial Ratio	1 dB





MECHANICAL SPECIFICATIONS

Parameter	Description
Connector	SMA connector (F)
Size	96 x 96 x 6.7 mm
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.

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MECHANICAL OUTLINE

