

# X-Band SCP Antenna

## 1U Space System

### DESCRIPTION

X-Band System is a **single-port right-handed-circular-polarized (RHCP) antenna**. It has been specially design for **data downlink 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**

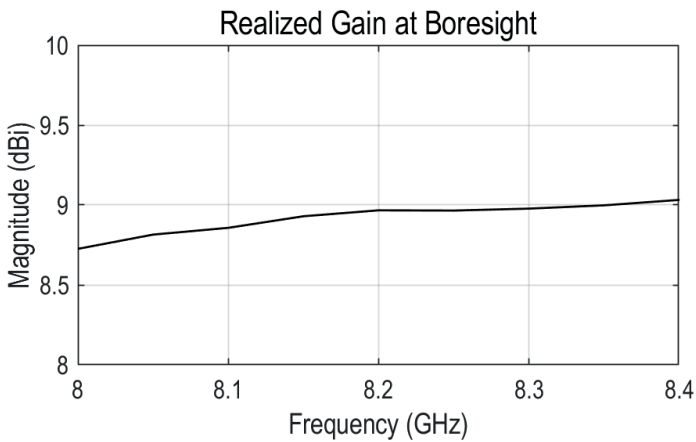
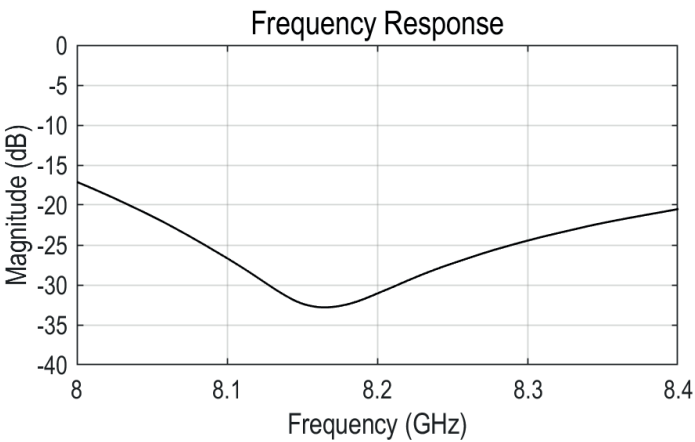
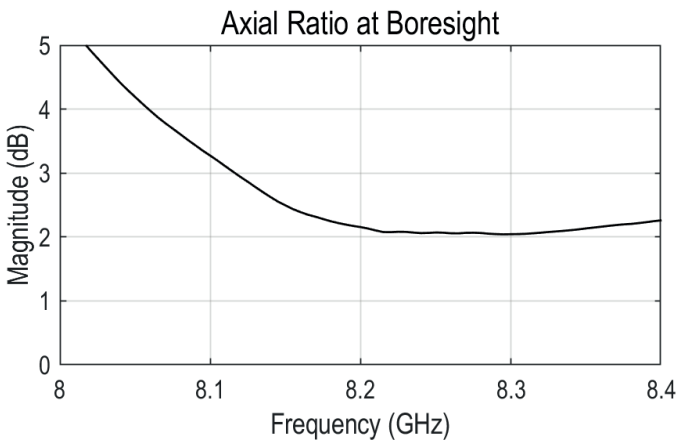
### CLIENTS

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.



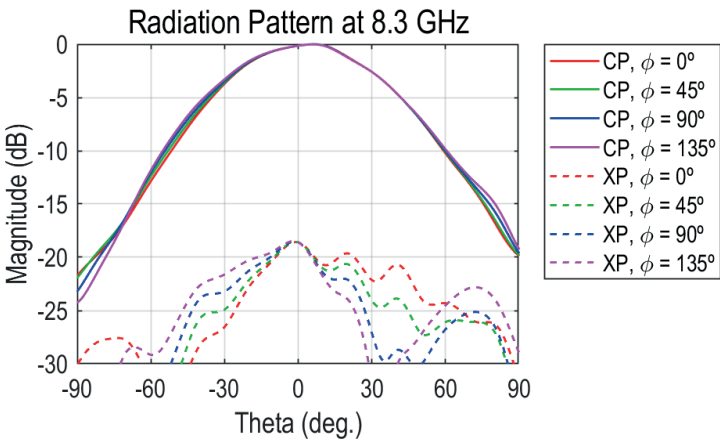
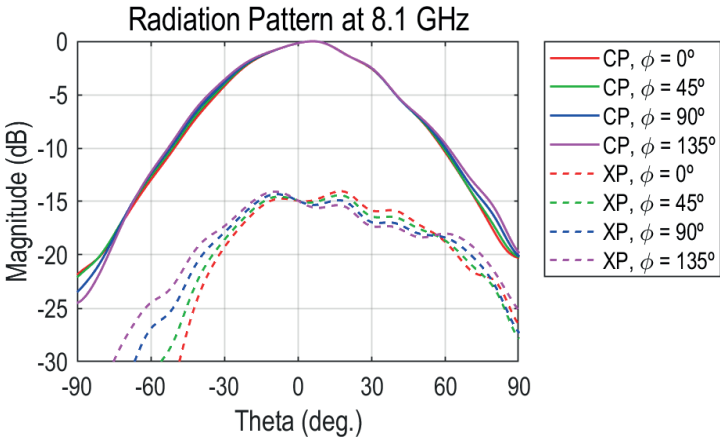
ELECTRICAL SPECIFICATIONS

Parameter	Typical value
Frequency band	8.0 – 8.4 GHz
Return Loss	18 dB
Realized Gain	8.5 dBi
Axial Ratio	5 dB
Cross-Polar	-15 dB
Polarization	RHCP



MECHANICAL SPECIFICATIONS

Parameter	Description
Connector	SMA connector (F)
Size	46 x 46 x 18.9 mm
Weight	32 g
Material	Dielectric Substrate



Additional notes

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

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### MECHANICAL OUTLINE

