

# S-Band SCP Antenna

## 1U Space System

### DESCRIPTION

S-Band System is a **dual-channel right-handed-circular-polarized (RHCP) antenna in two port configuration**. It has been specially design for **space applications**, being perfect for smallsats for 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**

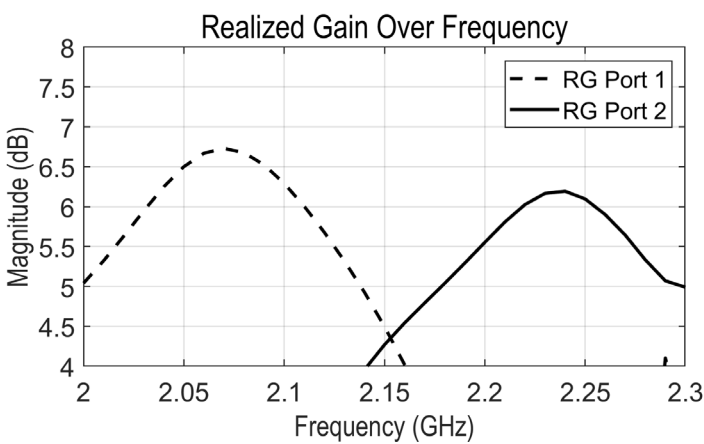
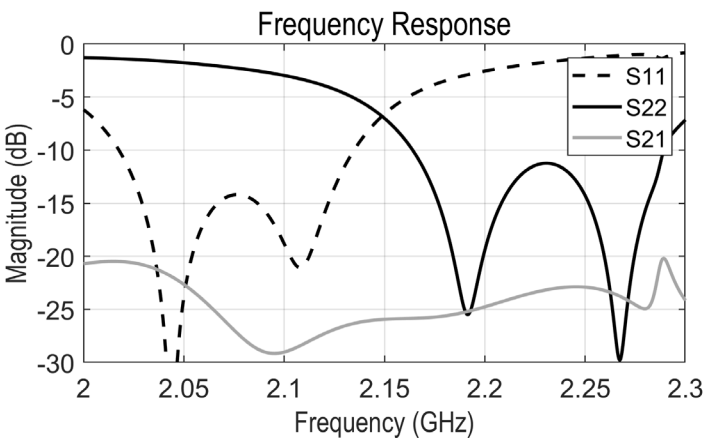
### CLIENTS

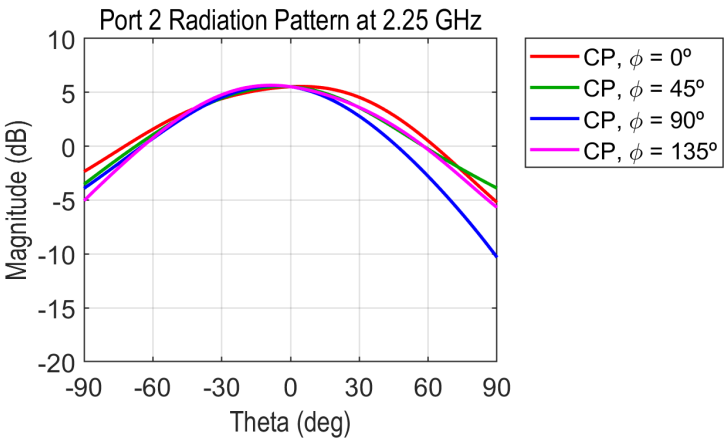
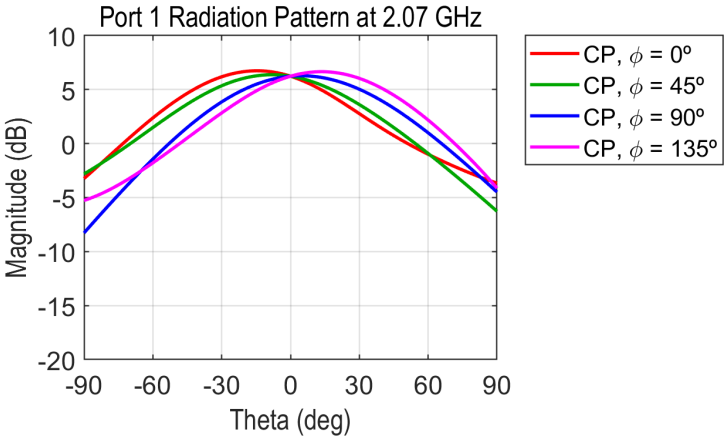
Clients in more than **50 countries** trust in us. Leading companies all over the world believe in our capabilities to face the most demanding challenges.



ELECTRICAL SPECIFICATIONS

Parameter	Typical value
Frequency band - Port 1	2.042 - 2.092 GHz
Frequency band - Port 2	2.220 - 2.270 GHz
Return Loss	12 dB
Realized Gain	5.5 dB
Polarization	RHCP





MECHANICAL SPECIFICATIONS

Parameter	Description
Connector	MMCX connector (F)
Size	99 x 99 x 6.5 mm
Weight	129 g
Material	Aluminum

Additional notes

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

Last version: 23/02/2024



### MECHANICAL OUTLINE

