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### 2211-113-01 S-Band SCP

contact@anteral.com +34 948 488458

# S-Band SCP Antenna

**1U Space System** 

### DESCRIPTION

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

### 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.







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Massachusetts Institute of Technology

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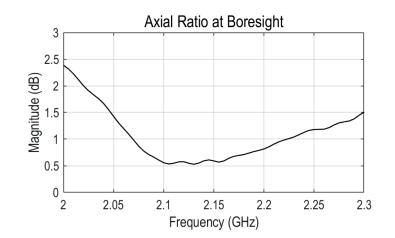
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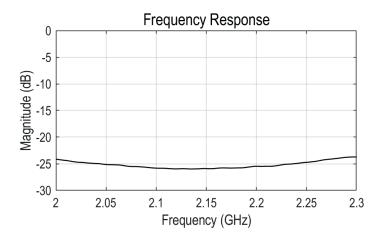
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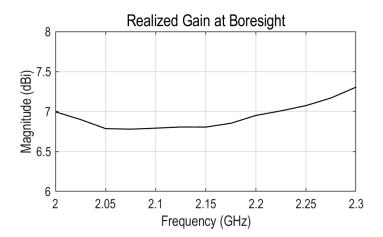
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### **ELECTRICAL SPECIFICATIONS**

Parameter	Typical value
Frequency band	2.0 – 2.3 GHz
Return Loss	22 dB
Realized Gain	6.5 dBi
Axial Ratio	2.5 dB
Cross-Polar	-18 dB
Polarization	RHCP



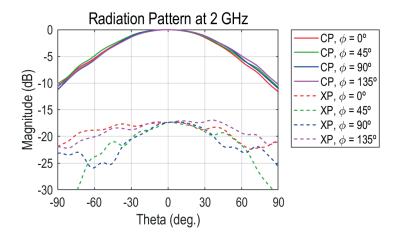




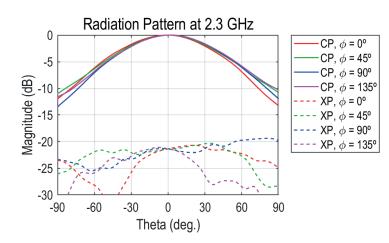
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#### MECHANICAL SPECIFICATIONS



Parameter	Description
Connector	SMA connector (F)
Size	97.6 x 97.6 x 35.9 mm
Weight	196 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.



Last version: 20/02/2024

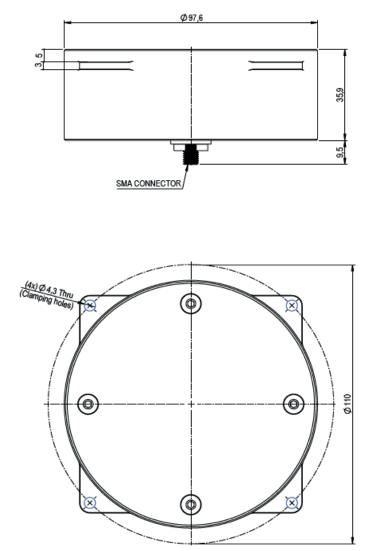
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**MECHANICAL OUTLINE** 





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