### Anteral

0

### 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.







ındra



esa

Tha



Massachusetts Institute of Technology

**Disclosure Information:** This document is for information only. Anteral S.L. reserves the right to change this characteristic data and other specifications without notice. Anteral S.L. makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does Anteral S.L. assume any liability whatsoever arising out of the use or application of any product(s) or information. *www.anteral.com* 

0

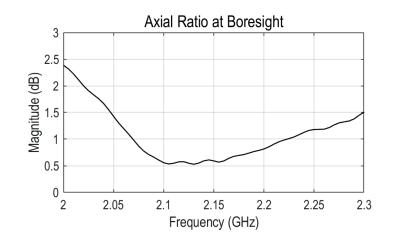
# Anteral

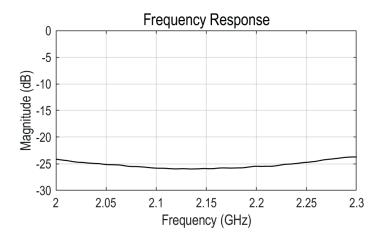
www.anteral.com

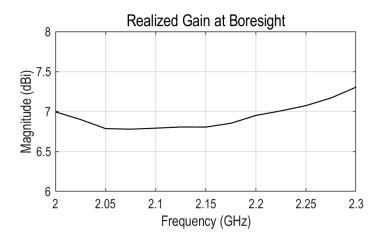
contact@anteral.com +34 948 488458

### **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



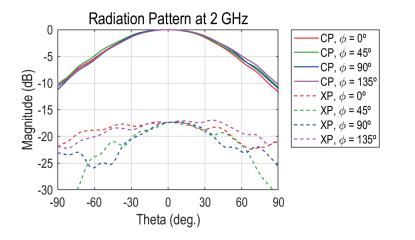




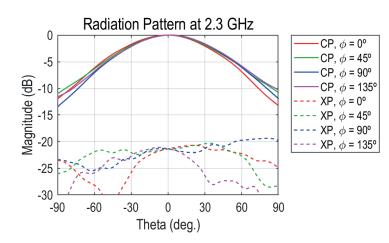
Disclosure Information: This document is for information only. Anteral S.L. reserves the right to change this characteristic data and other specifications without notice. Anteral S.L. makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does Anteral S.L. assume any liability whatsoever arising out of the use or application of any product(s) or information. *www.anteral.com* 

contact@anteral.com +34 948 488458

#### 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

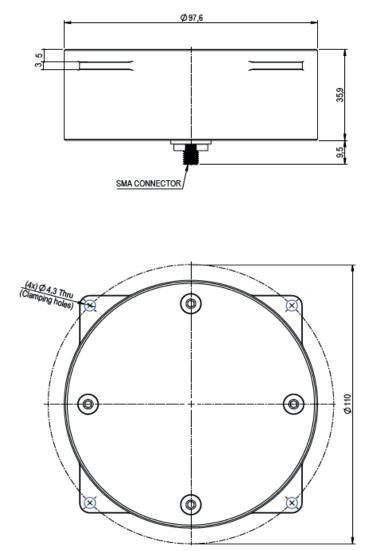
**Disclosure Information:** This document is for information only. Anteral S.L. reserves the right to change this characteristic data and other specifications without notice. Anteral S.L. makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does Anteral S.L. assume any liability whatsoever arising out of the use or application of any product(s) or information. *www.anteral.com* 

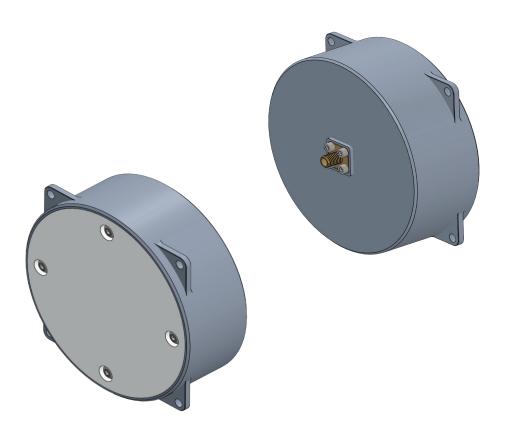
# Anteral

www.anteral.com

contact@anteral.com +34 948 488458

**MECHANICAL OUTLINE** 





**Disclosure Information:** This document is for information only. Anteral S.L. reserves the right to change this characteristic data and other specifications without notice. Anteral S.L. makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does Anteral S.L. assume any liability whatsoever arising out of the use or application of any product(s) or information. *www.anteral.com*