

QV-Band DCP2 Antenna

Space System

DESCRIPTION

QV-Band Subsystem is a **2-port dual-circular-polarized (DCP) antenna**. 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

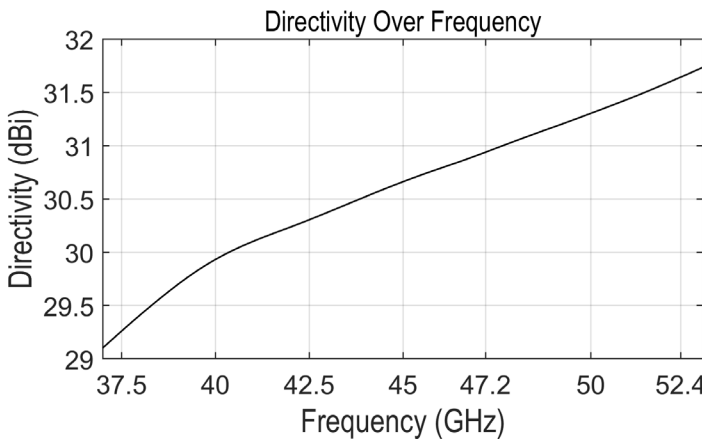
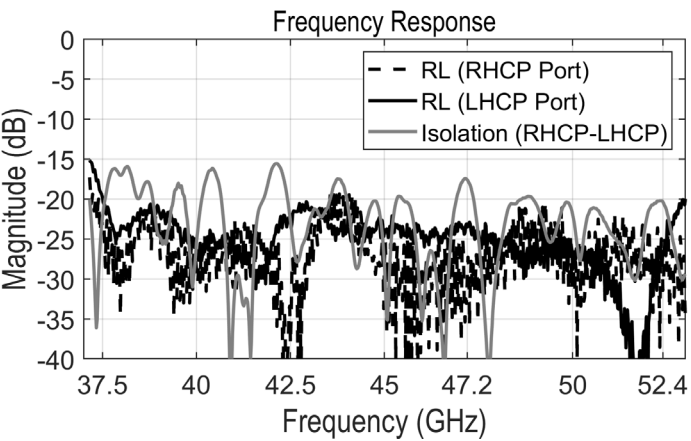
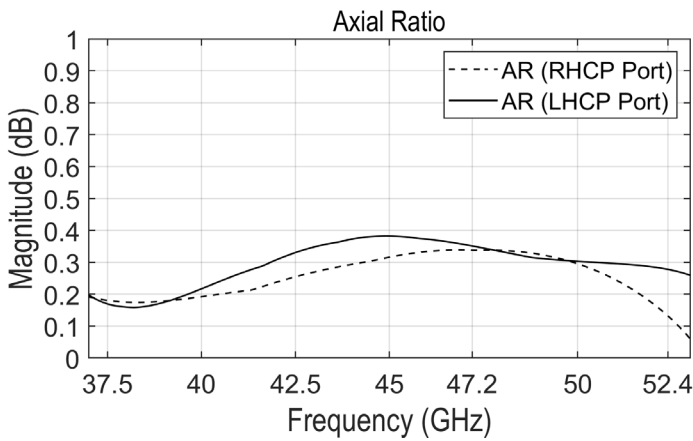
CLIENTS

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.

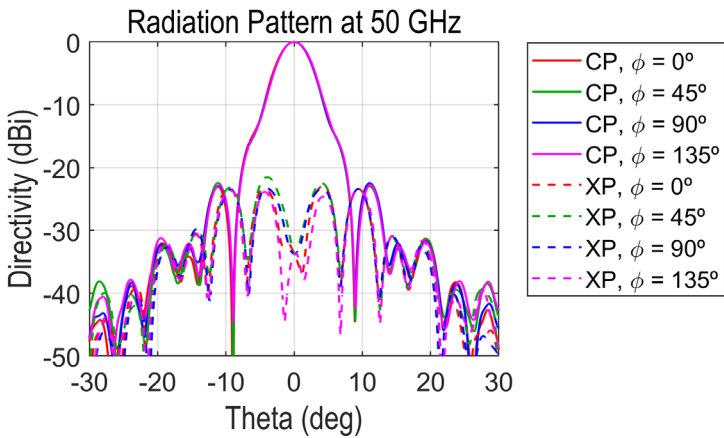
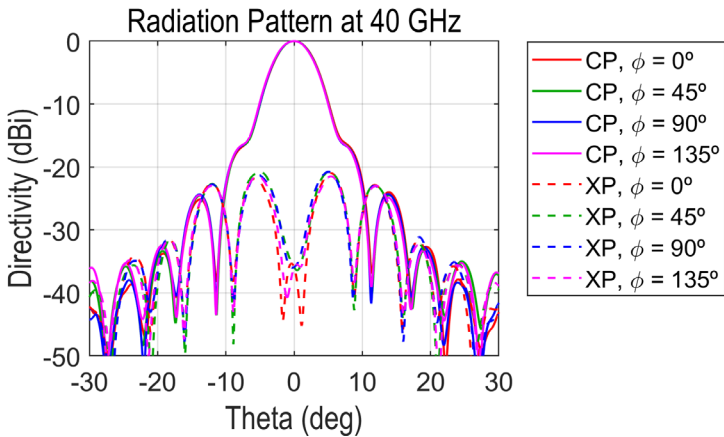


ELECTRICAL SPECIFICATIONS

Parameter	Typical value
Frequency band	37.5 - 52.4 GHz
Return Loss	20 dB
Isolation between ports	17 dB
Directivity	30.5 dB
Axial Ratio	0.5 dB
Cross-Polar	-20 dB
Angular Beamwidth	~ 5°
Polarization	RHCP & LHCP



MECHANICAL SPECIFICATIONS



Parameter	Description
RHCP Port	WR19 (4.7752 x 2.3876 mm)
RHCP Flange	UG-383/U
LHCP Port	WR19 (4.7752 x 2.3876 mm)
LHCP Flange	UG-383/U
Size	100 x 100 x 157.7 mm
Weight	280 g
Material	Aluminum
Surface treatment	Surtec 650 V

Additional notes

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

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MECHANICAL OUTLINE

