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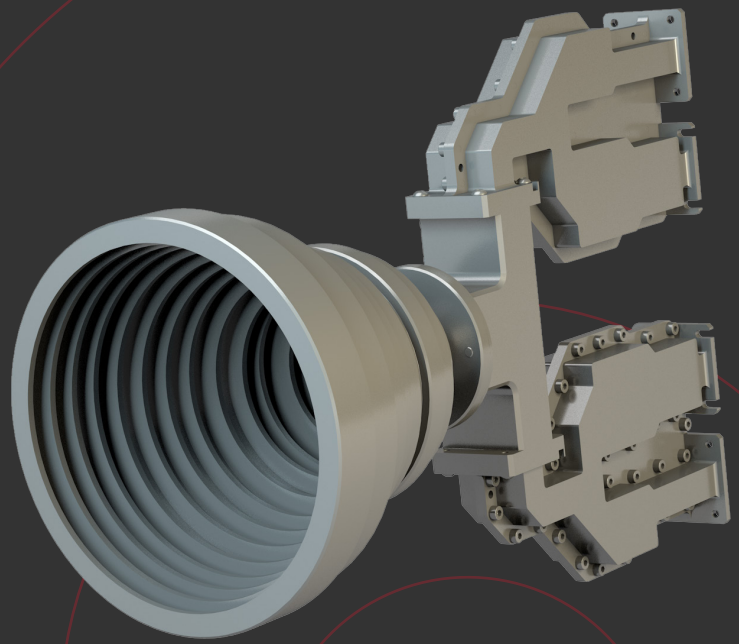

X-Band GND System

DESCRIPTION

X-band GND System is **designed to illuminate big reflectors** for satellite ground stations, in particular reflectors of **15m of diameter**. The device has **four ports** and works with **dual-circular polarization** in the typical X-band frequencies.

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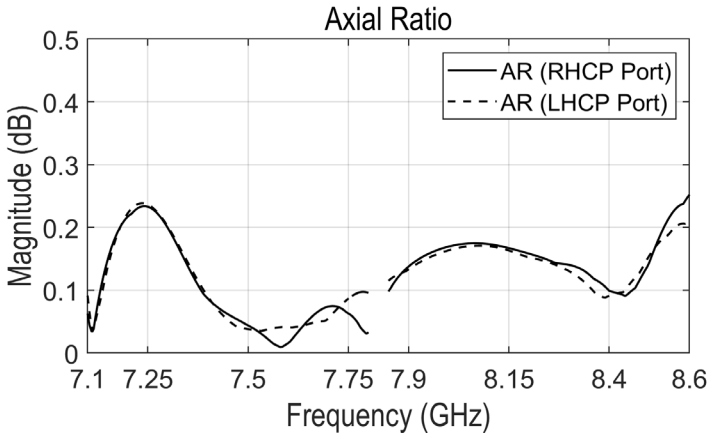
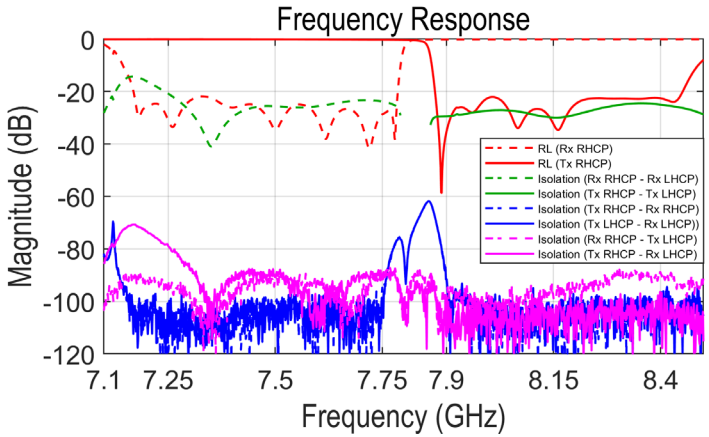
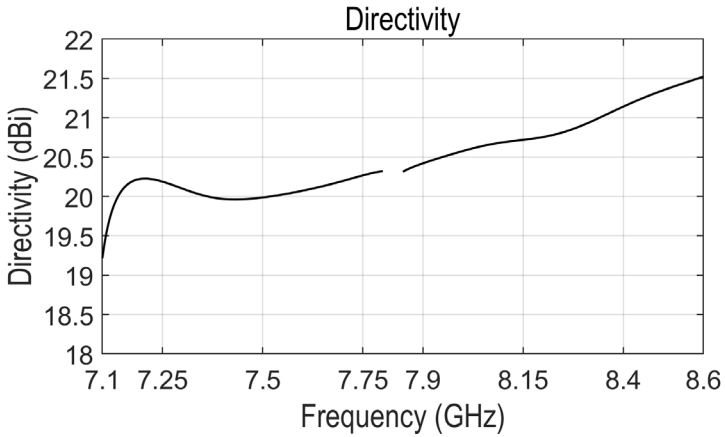
ELECTRICAL SPECIFICATIONS

Parameter	Typical value
Frequency band Uplink	7.25 - 7.75 GHz
Frequency band Downlink	7.9 - 8.4 GHz
Polarization	RHCP & LHCP
Axial Ratio	0.5 dB
Gain	20 dBi
Crosspolar level	25 dB
Return Loss	25 dB
Isolation RX-TX & TX-RX	110 dB







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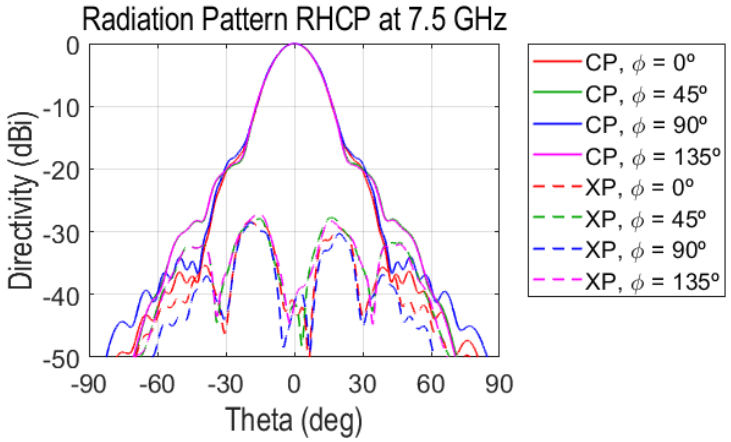

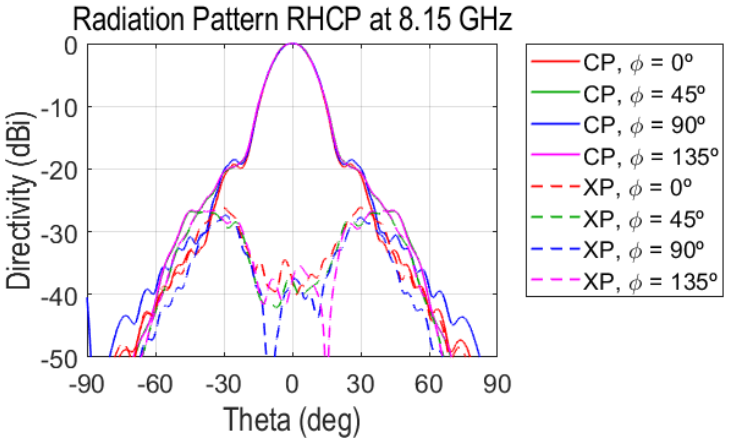

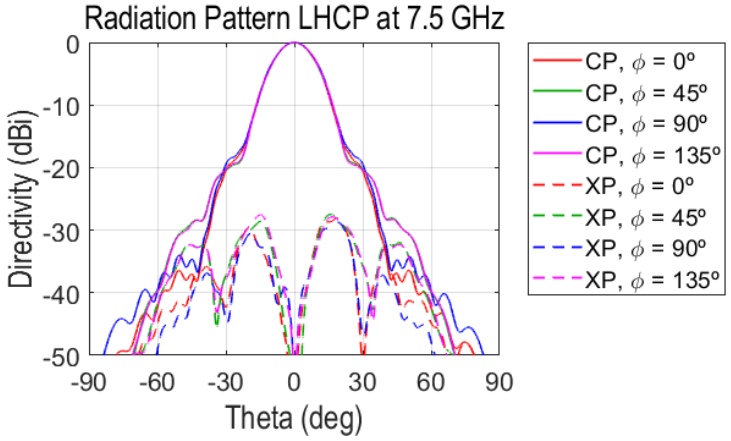

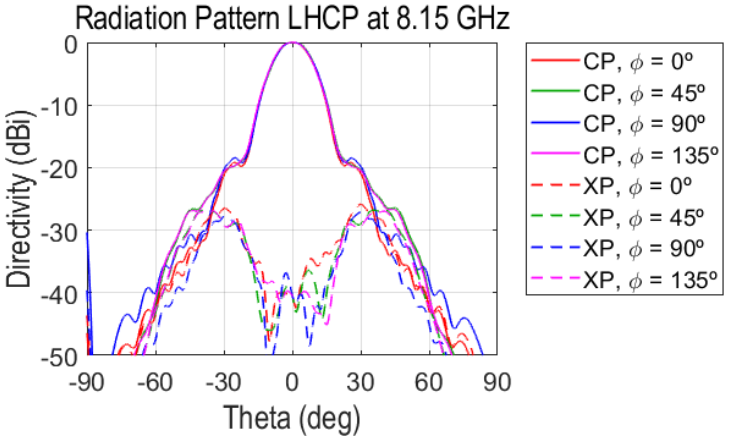

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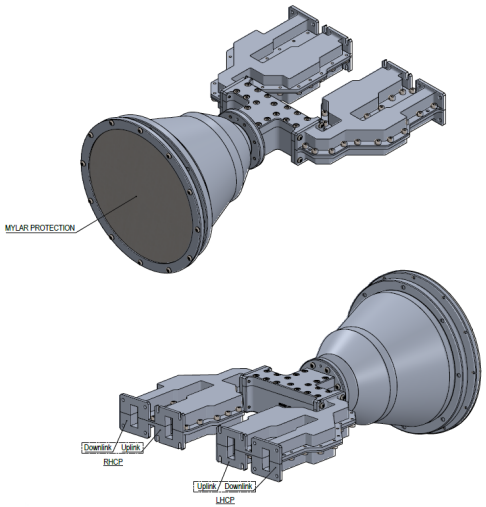
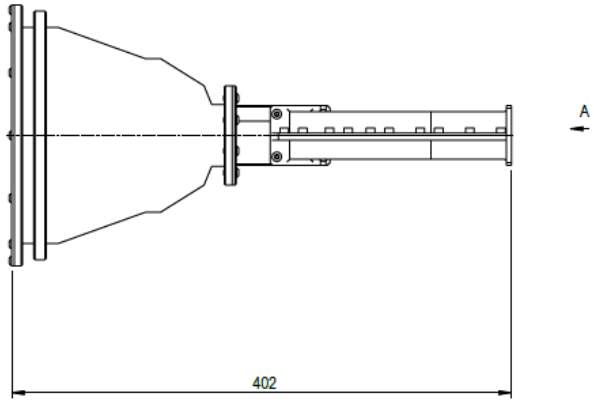
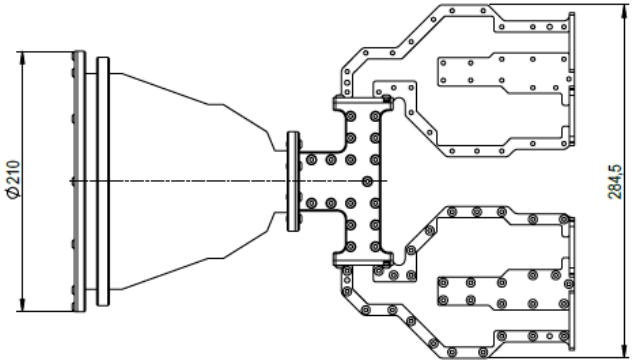
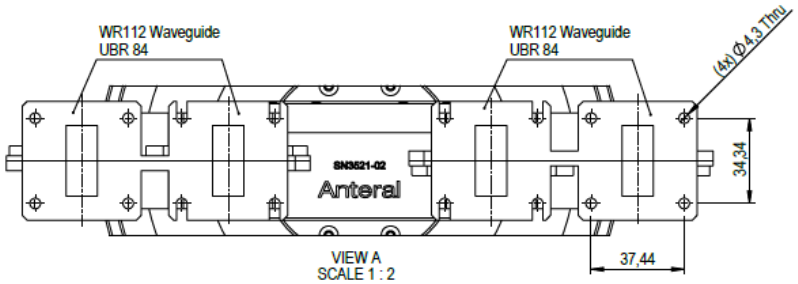
MECHANICAL SPECIFICATIONS

Parameter	Description
RHCP Downlink Port	WR112 (UBR 84)
RHCP Uplink Port	WR112 (UBR 84)
LHCP Downlink Port	WR112 (UBR 84)
LHCP Uplink Port	WR112 (UBR 84)
Size	284.5 x 210 x 402 mm
Weight	4 kg
Material	Aluminum









Additional notes

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

Last version: 01/03/2023

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