

# NA200-CR Mini choke-ring multi-GNSS antenna

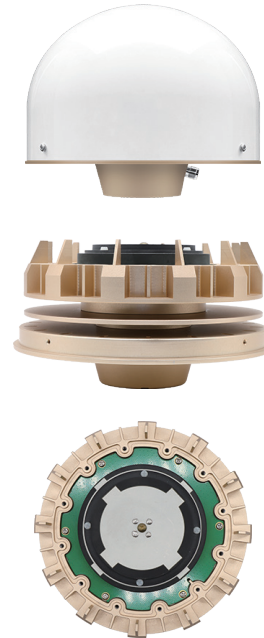
## FEATURES

### GNSS signal tracking

GPS	L1 / L2 / L5
GLONASS	L1 / L2 / L3
GALILEO	E1 / E5a / E5b / E6
BDS	B1 / B2 / B3
QZSS	L1 / L2 / L5 / L6
IRNSS	L5
SBAS	L1 / L5

### Antenna Characteristics

- Mini choke-ring (multipath reduction)
- Jamming / interference protection
- Active GNSS antenna
- Diameter / height : 185 / 148 mm
- Weight : < 2.5 Kg
- Operating / storage temp : -40 to 85 °C / -55 to 85 °C
- Connector : TNC female



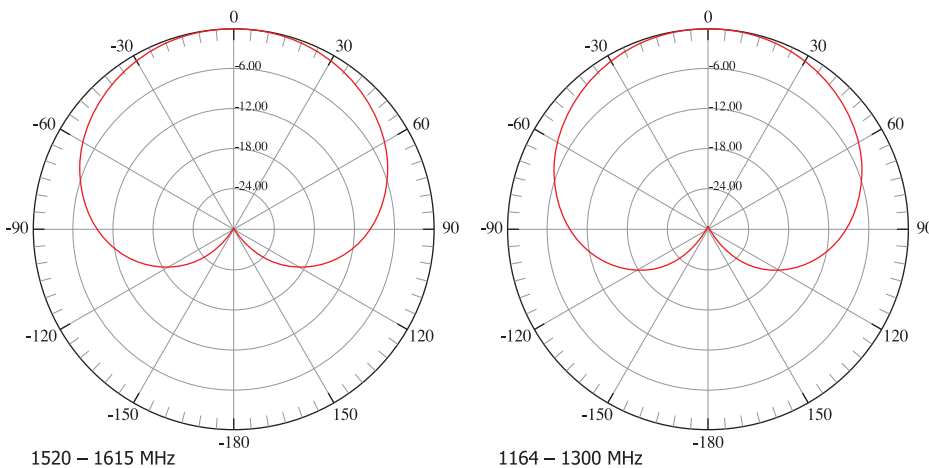
NA200-CR : Front and top view

## PERFORMANCE

### Electrical

• Nominal Impedance	50 Ω	• LNA Gain	50 ± 2 dB
• Polarization	RHCP	• Noise Figure	≤ 2 dB
• Axial Ratio	≤ 3 dB	• Passband Ripple	±2 dB
• Azimuth Coverage	360°	• Operation Voltage	3.3 to 12 VDC
• Output VSWR	≤ 2.0	• Operation Current	≤ 60 mA
• Peak Gain	6.5 dBi	• Differential Propagation Delay	≤ 5 ns
• Phase Center Repeatability	±1mm		

### Normalized Radiation Pattern



### Antenna Phase Center

Frequency (GHz)	L1	L2
X offset (mm)	+0.19	-0.19
Y offset (mm)	-0.58	-0.28
Z offset (mm)	+96.44	+94.21