

Product: CASCO GNSS

Product Order Code:
BM-02 RANGE

Rugged GNSS Body Mounted Antenna

GNSS (GPS / GALILEO / QZSS & GLONASS)

- Rugged body mounted antenna
- RoHS 2011/65/EU & RoHS3 (2015/863/EU compliant)
- Request samples for test & evaluation via enquiry@bloomice.com



Technical Data

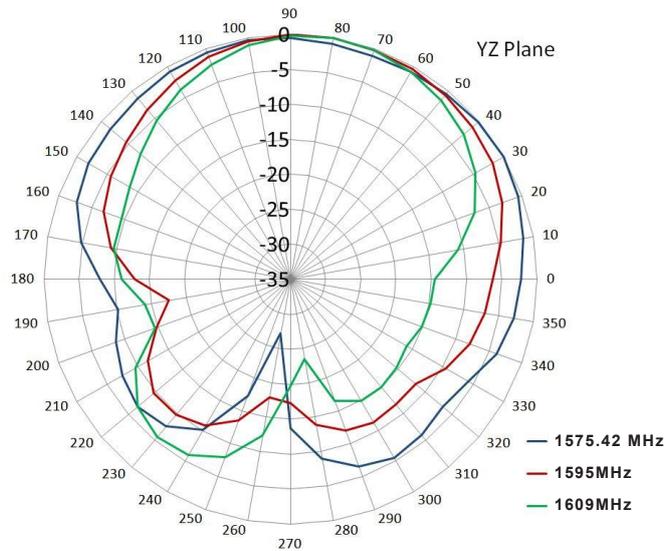
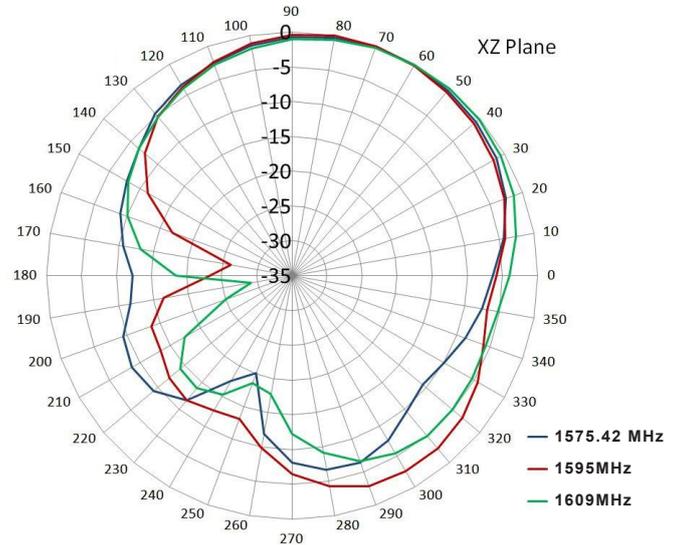
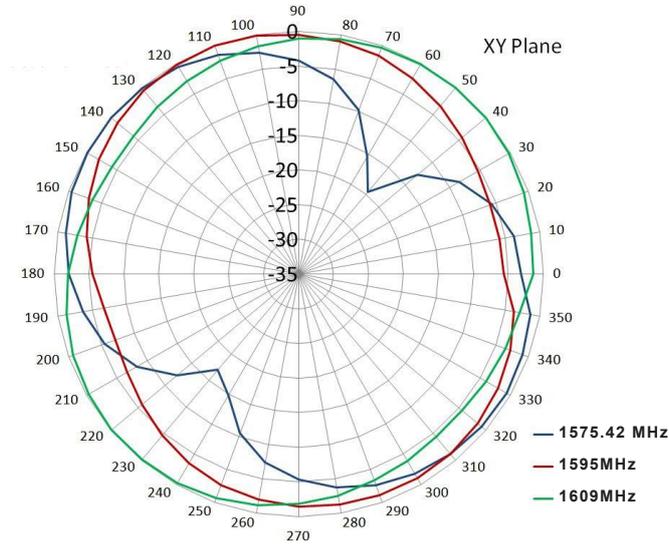
Dimensions	35mm (H) Above panel height x 68mm Diameter (Base)	
Weight	160g (Excluding cable)	
Construction Materials	PC/ABS UL94 V0 UV Stable	
Mounting Arrangement	M20 Thread to Stainless Steel Nut Ground Plane Dependent	
Temperature Range	-40 – +85° C	
Protection Class	IP67 / IK09 (IEC 60529)	
GNSS (GPS / GALILEO / QZSS & GLONASS)		
Frequency Range	GPS, GALILEO, QZSS: GLONASS	1575.42 MHz Centre Frequency (+/- 1.024MHz) 1602 MHz Centre Frequency (+/-4MHz)
Impedance	50 Ohm	
Polarisation	RHCP	
Radiation Pattern	Hemispherical	
Return loss (VSWR)	<1.3:1 (@ 1575.42MHz & 1602MHz)	
Gain	28dB @ 3v / 30dB @ 5v	
Operational Voltage	2.7v to 5.5v	
Current Consumption	11mA to 18mA (Typical)	
Power Consumption	40mW (Typical)	
SAW Filter	Pre-filter	
Noise Figure	1.5dB (Typical)	
Cable types Available	LL100 50 Ohm Low Loss / RG174 / RG316	
Cable Length	According to customer specification	
Connector	According to customer specification	
Test & Measurement Conditions	300mm x 300mm Ground Plane / 1000mm LL100 Cable	

dBi: Referenced to an isotropic radiator

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Typical Radiation Patterns (GNSS)



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CAD Data

