

Product: BODY ADYNA GPS/LTE

Product Order Code:
BM-02 RANGE

Rugged Profile Body Mounted Antenna

GPS, GALILEO, QZSS, LTE-4G,
CELLULAR (2G, 3G)

- Low profile robust combination antenna
- RoHS 2011/65/EU & RoHS3 (2015/863/EU compliant)
- Request samples for test & evaluation via enquiry@bloomice.com



Technical Data

Dimensions		76mm x 15.6mm (H) (Including mounting pad)
Weight		114g (Excluding cables and connectors)
Construction Materials		PC/ABS / UL94 V0 / UV Stable
Maximum Torque Setting (Nm)		6 Nm
Mounting Arrangement		M14 Thread / Stainless Steel Split Nut & ABS pad Mounting on any surface (glass, metal, plastic etc.)
Temperature Range		-40 to +85 Degree C
Protection Class		IP67 (IEC 60529), IP69
Cellular LTE / 2G / 3G		
Frequency Range	LTE 700 + GSM 900: GSM 1800: UUMTS: WLAN + LTE (High):	698 - 960 MHz 1710 - 1880 MHz 1920 - 2170 MHz 2300 - 2700 MHz
Impedance		50 Ohm
Polarisation		Linear
Peak Gain	LTE 700 + GSM 900: GSM 1800: UUMTS: WLAN + LTE (High):	@ 790-960 MHz;2.14dBi @ 1710-1880 MHz; 3.1dBi @ 1920-2170 MHz; 3.3dBi @ 2300-2700 MHz; 3.3dBi
Radiation Pattern		Omni-Directional
Max Power @ 30 Celsius	LTE 700 + GSM 900: GSM 1800: UUMTS: WLAN + LTE (High):	25 Watts @ 790-960 MHz 25 Watts @ 1710-1880 MHz 25 Watts @ 1920-2170 MHz 25 Watts @ 2300-2700 MHz
Return loss (VSWR)		<2.5:1 (All Bands)
Radiator Type		Folded Monopole
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

Product: BODY ADYNA GPS/LTE

Product Order Code:
BM-02 RANGE

Rugged Profile Body Mounted Antenna

GPS, GALILEO, QZSS, LTE-4G,
CELLULAR (2G, 3G)

- Low profile robust combination antenna
- RoHS 2011/65/EU & RoHS3 (2015/863/EU compliant)
- Request samples for test & evaluation via enquiry@bloomice.com

Technical Data (Continued)

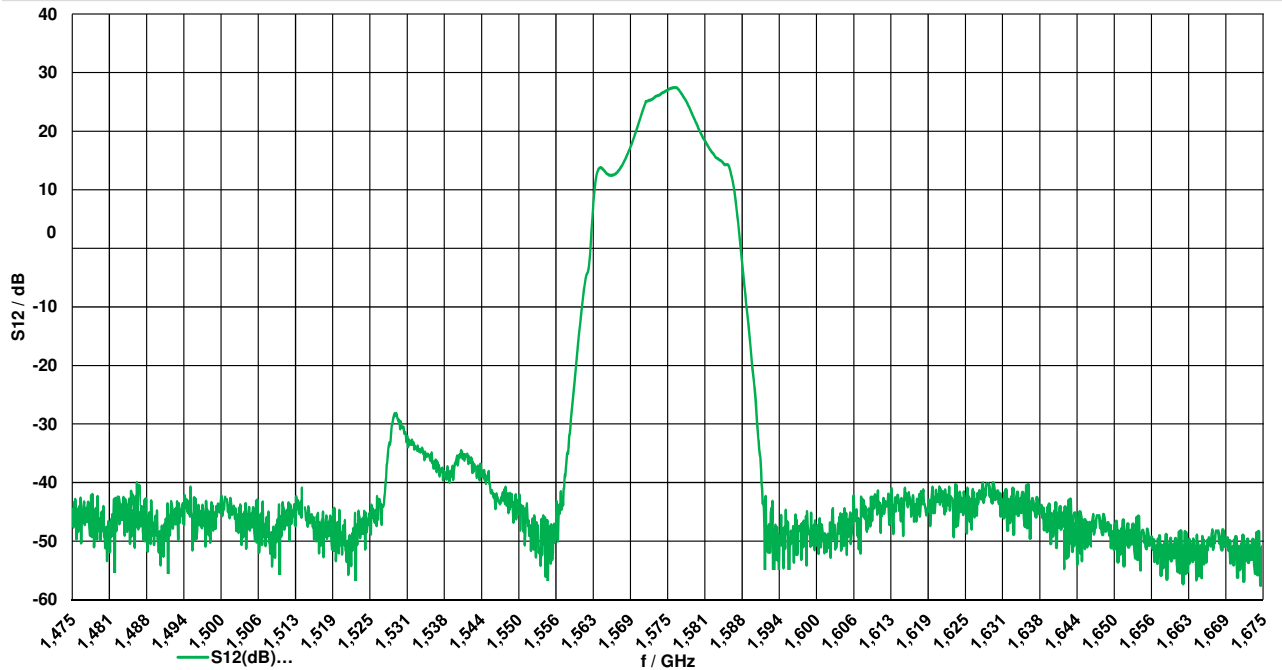
GPS / GALILEO / QZSS

Frequency Range	GPS, GALILEO, QZSS:	1575.42 MHz Centre Frequency
Impedance		50 Ohm
Polarisation		RHCP
Radiation Pattern		Hemispherical
Return loss (VSWR)		<1.3:1 @ 1575.42MHz
Gain		28dB @ 3v / 30dB @ 5v
Operational Voltage		3.3v 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

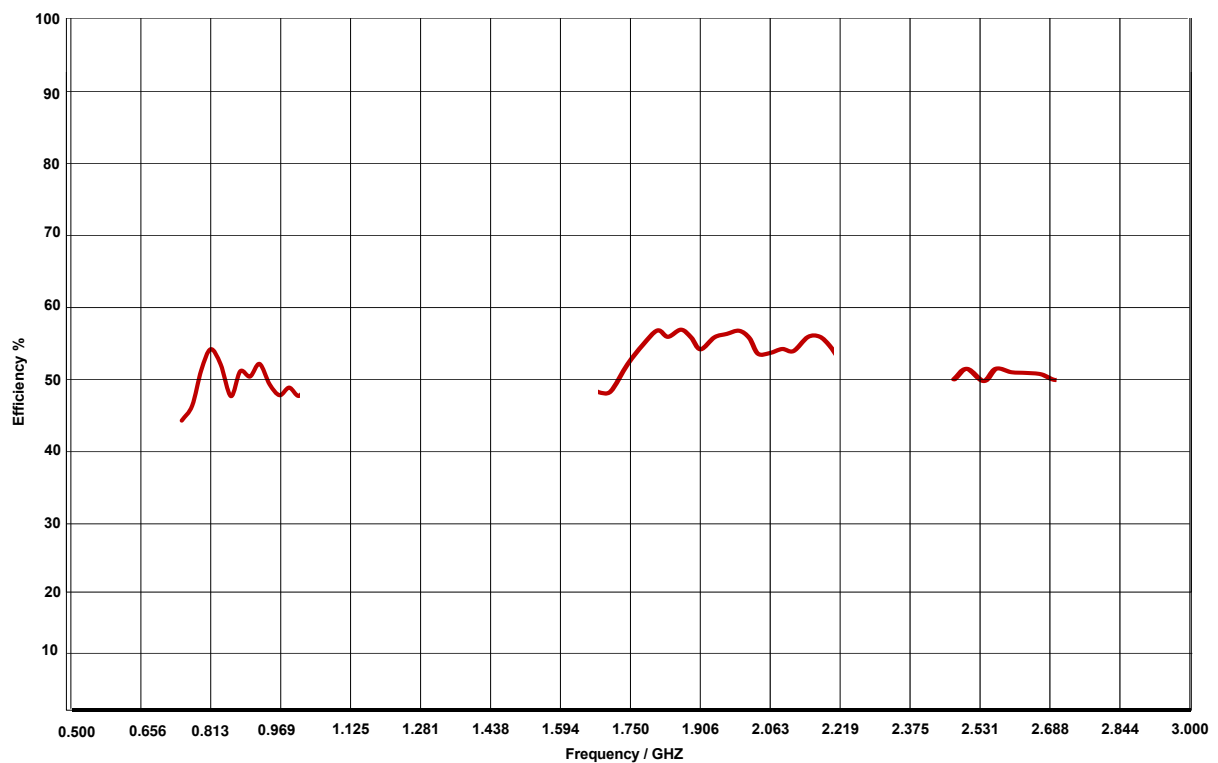
Product: BODY ADYNA GPS/LTE

Product Order Code:
BM-02 RANGE

Typical GPS LNA Gain



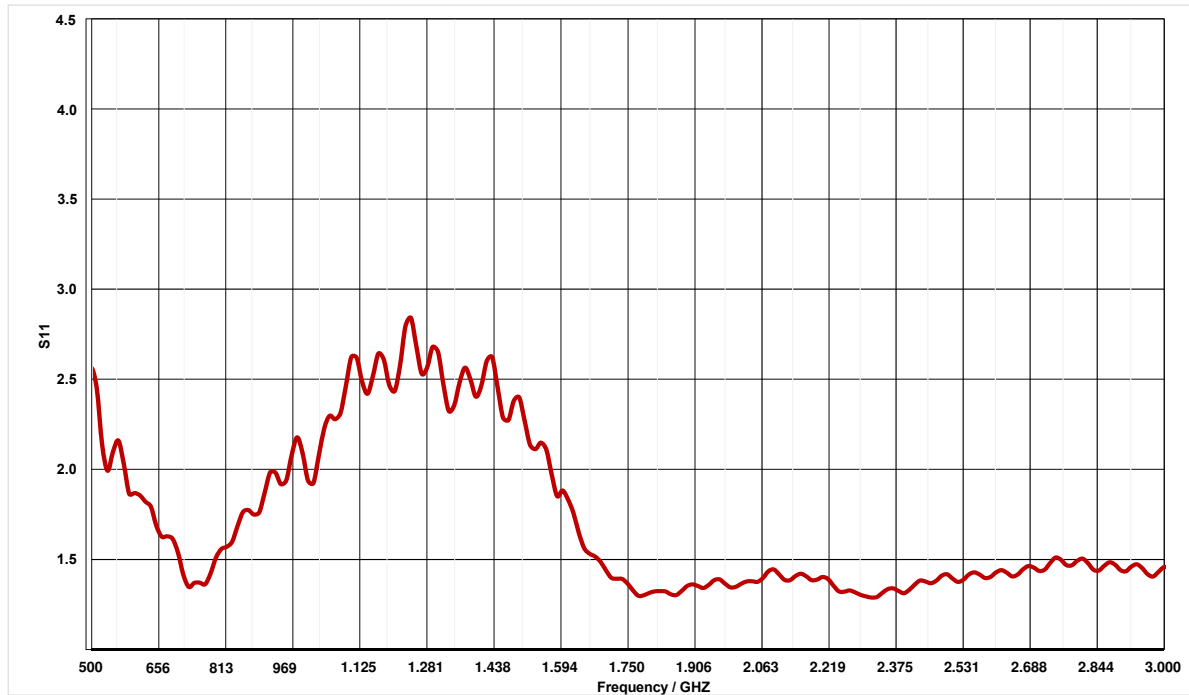
Radiated Efficiency (LTE)



Product: BODY ADYNA GPS/LTE

Product Order Code:
BM-02 RANGE

Typical VSWR Data



CAD Data

