

Product: BODY-1-4H 4G/LTE

Product Order Code:

BM-02922

Wideband Body Mounted Antenna

LTE-4G, CELLULAR (2G, 3G)

- Body / Screw mounted robust wideband monopole antenna
- RoHS 2011/65/EU & RoHS3 (2015/863/EU compliant)
- Request samples for test & evaluation via enquiry@bloomice.com



Technical Data

Dimensions	89mm (H) Above Surface x 33mm (D) Base Diameter	
Weight	98g (excluding cable & connector)	
Construction Materials	Nylon 6 Black	
Mounting Arrangement	Body Mounted / Screw Mounted Ground Plane Dependent - Fix upon any metallic surface	
Temperature Range	-40 to +85° C	
Protection Class	IP66 (IEC 60529)	
Cellular LTE / 2G / 3G		
Frequency Range	LTE 700 + GSM 900: GSM 1800: UMTS: WLAN + LTE (High):	698 - 960 MHz 1710 - 1880 MHz 1920 - 2170 MHz 2300 - 2700 MHz
Impedance	50 Ohm	
Polarisation	Linear	
Average Gain	LTE 700 + GSM 900: GSM 1800: UMTS: WLAN + LTE (High):	@ 790-960 MHz; 2.14dBi @ 1710-1880 MHz; 2.14dBi @ 1920-2170 MHz; 2.14dBi @ 2300-2700 MHz; 2.14dBi
Radiation Pattern	Omni-Directional	
Max Power @ 30°C	LTE 700 + GSM 900: GSM 1800: UMTS: WLAN + LTE (High):	20 Watts @ 790-960 MHz 20 Watts @ 1710-1880 MHz 20 Watts @ 1920-2170 MHz 20 Watts @ 2300-2700 MHz
Return loss (VSWR)	≤ 2:1 (All Bands)	
Radiator Type	Monopole	
Connector	FME Male Base Mounted Connector	
Test & Measurement Conditions	300mm x 300mm Ground Plane / 1000mm LL100 / SMA MALE	

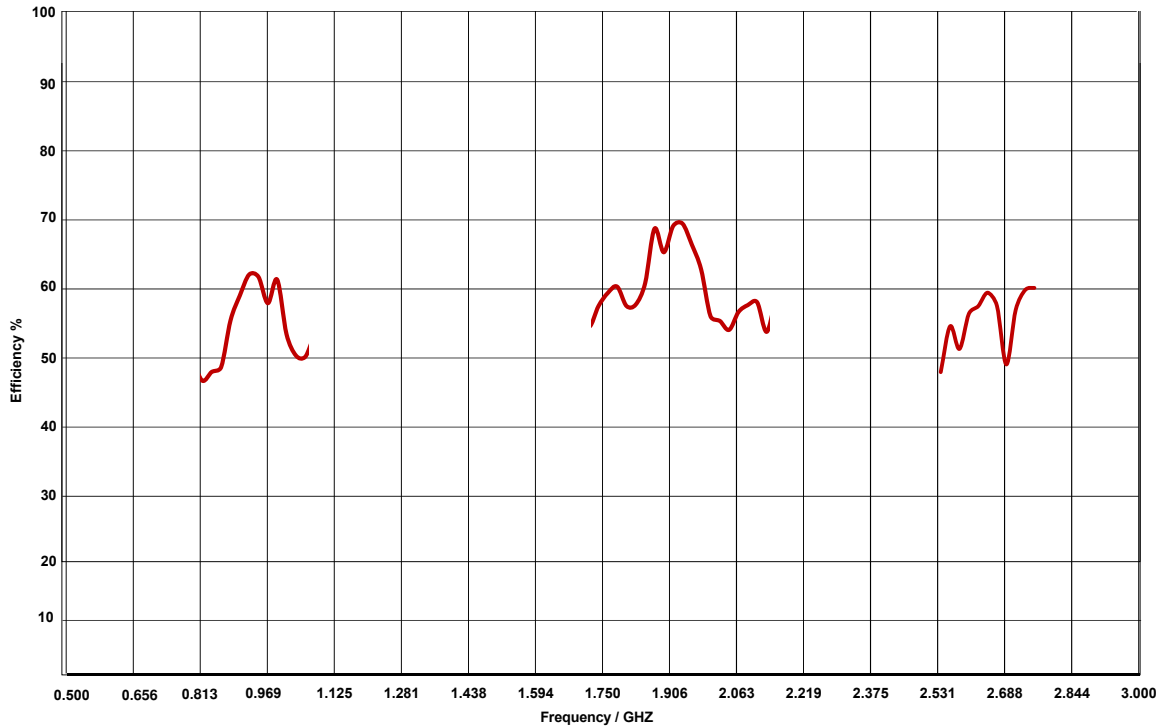
dBi: Referenced to an isotropic radiator

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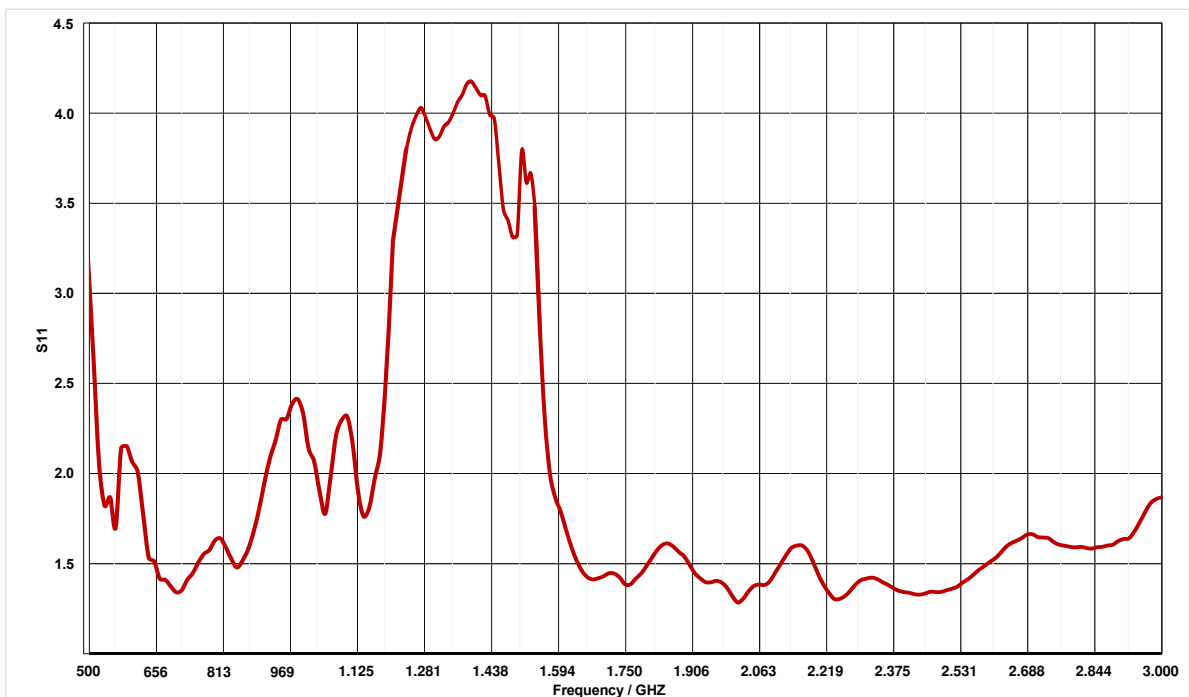
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Radiated Efficiency



Typical VSWR (LTE)



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CAD Data

