

Product: BODY ADYNA MINI LTE

Product Order Code:
BM-02 RANGE

Wideband Telemetry Antenna

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

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



Technical Data

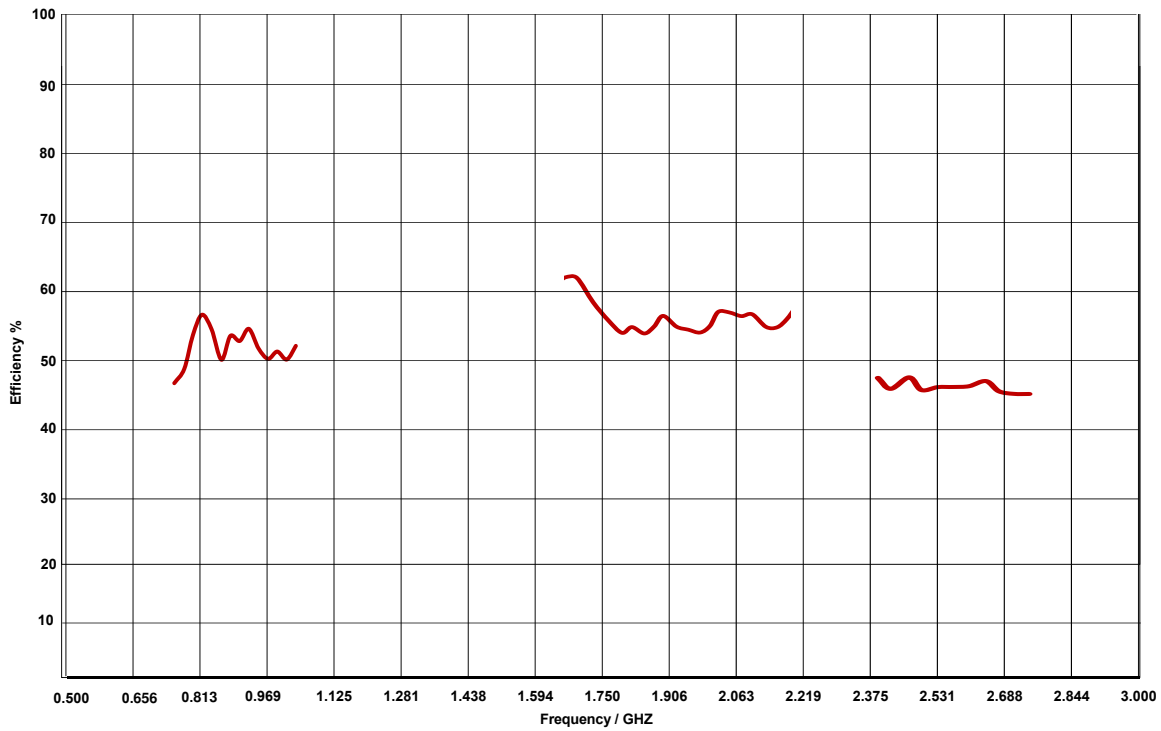
Dimensions	46.6mm (D) x 16.4mm (H) (including self adhesive pad)	
Weight	48g	
Construction Materials	Brass Thread / Nut PC/ABS UL94 V0 UV Stable	
Mounting Arrangement	M10 Split Nut combined with 3M Adhesive Pad Mounting on any surface (glass, metal, plastic etc.)	
Temperature Range	-40 – +85° C	
Protection Class	IP68 (IEC 60529)	
Cellular LTE / 2G / 3G		
Frequency Range	LTE 700 + GSM 900: GSM 1800: UMTS: 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: LTE (High):	@ 790-960 MHz; 0dBi @ 1710-1880 MHz; 2.14dBi @ 1920-2170 MHz; 2.14dBi @ 2300-2700 MHz; 2.14dBi
Radiation Pattern	Omni-Directional (individual patterns detailed below)	
Max Power @ 30°C	LTE 700 + GSM 900: GSM 1800: UMTS: LTE (High):	50 Watts @ 790-960 MHz 50 Watts @ 1710-1880 MHz 50 Watts @ 1920-2170 MHz 50 Watts @ 2300-2700 MHz
Return loss (VSWR)	≤ 2.2:1 (All Bands)	
Radiator Type	Dipole	
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	

dB: Referenced to an isotropic radiator

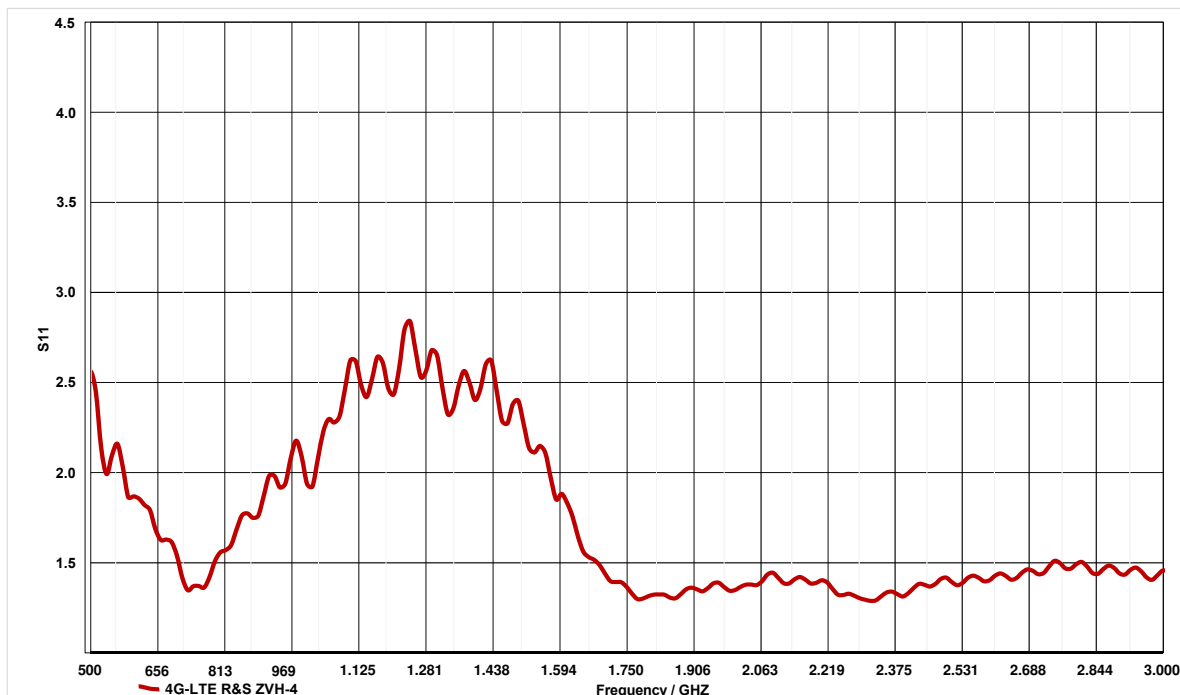
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Radiated Efficiency



VSWR Data



CAD Data

