

Product: HG MAG

Product Order Code:
BM-02 RANGE

High Gain Magnetic Mounted Antenna

AMPS, GSM (2G, 3G), UMTS

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



Technical Data

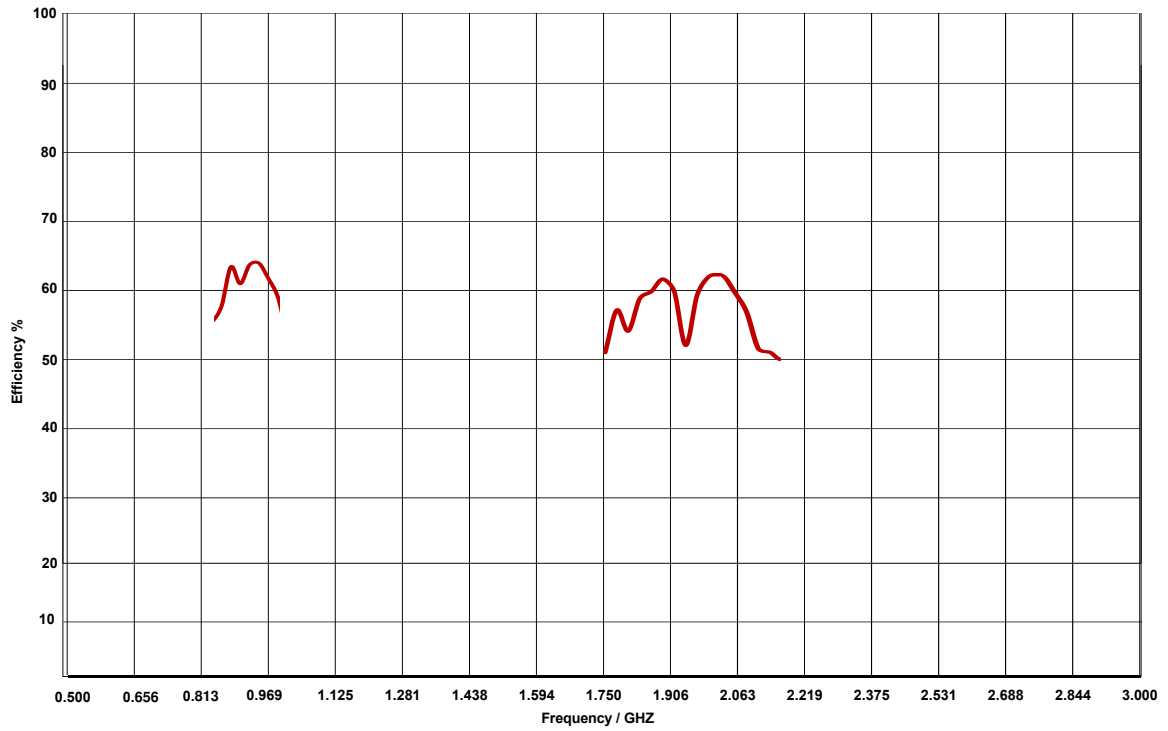
Dimensions	300mm (H) x 31mm (Base Diameter)	
Weight	85g (excluding cable & connector)	
Construction Materials	Base - Nylon 6 Black / Whip - Brass	
Mounting Arrangement	Magnetic Ground Plane Dependent	
Temperature Range	-40 to +85° C	
Protection Class	IP44 (IEC 60529)	
AMPS, GSM (2G, 3G), UMTS		
Frequency Range	AMPS + GSM 900:	824 - 960 MHz
	GSM 1800:	1710 - 1800 MHz
	UMTS:	1900 - 2170 MHz
Impedance	50 Ohm	
Polarisation	Linear	
Average Gain	AMPS + GSM 900:	@ 824 - 960 MHz; 3.1dBi
	GSM 1800:	@ 1710 - 1800 MHz; 5dBi
	UMTS:	@ 1900 - 2170 MHz; 5dBi
Radiation Pattern	Omni-Directional	
Max Power @ 30°C	AMPS + GSM 900:	25 Watts @ 824-960 MHz
	GSM 1800:	25 Watts @ 1710-1800 MHz
	UMTS:	25 Watts @ 1920-2170 MHz
Return loss (VSWR)	≤ 2:1 (All Bands)	
Radiator Type	Monopole	
Cable types Available	LL100 50 Ohm Low Loss	
Cable Length	According to customer specification	
Connector	According to customer specification	
Test & Measurement Conditions	300mm x 300mm Ground Plane / 1000mm LL100 / SMA MALE	

dBi: Referenced to an isotropic radiator

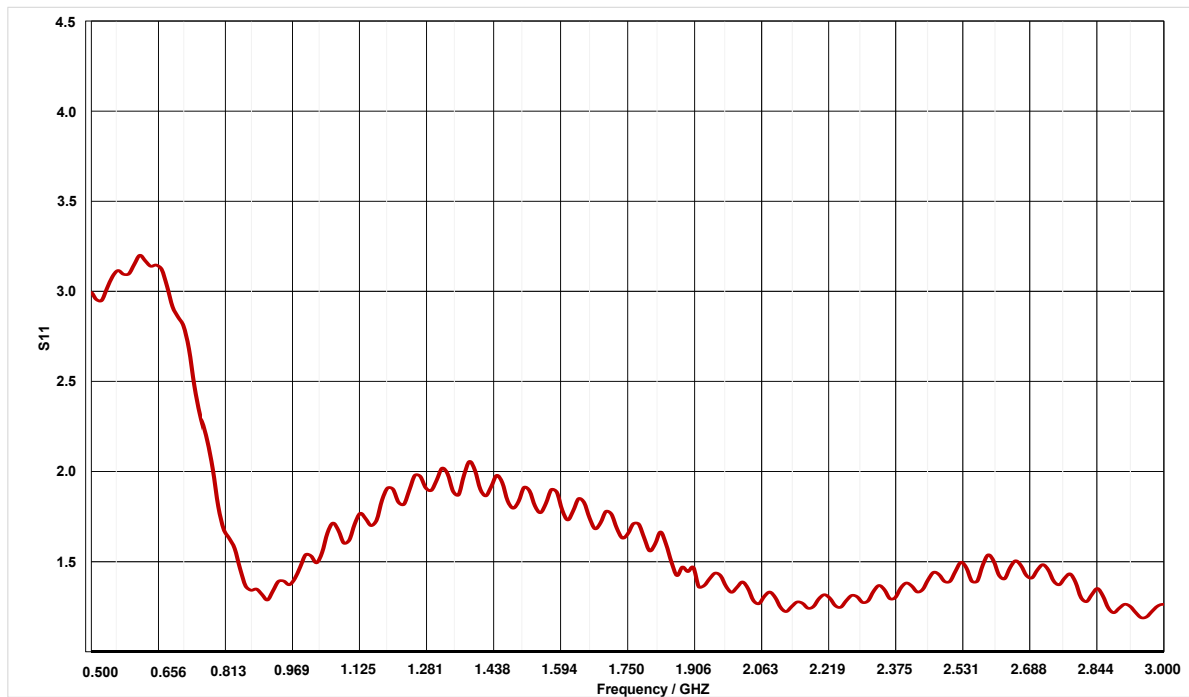
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Radiated Efficiency



Typical VSWR (LTE)



CAD Data

