

Product: HPAL207/2.4

Product Order Code:
BM-02161N/2.4

High Gain WIFI Connector Mounted Antenna

WLAN, WIFI, BLUETOOTH, ZIGBEE, ISM

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



Technical Data

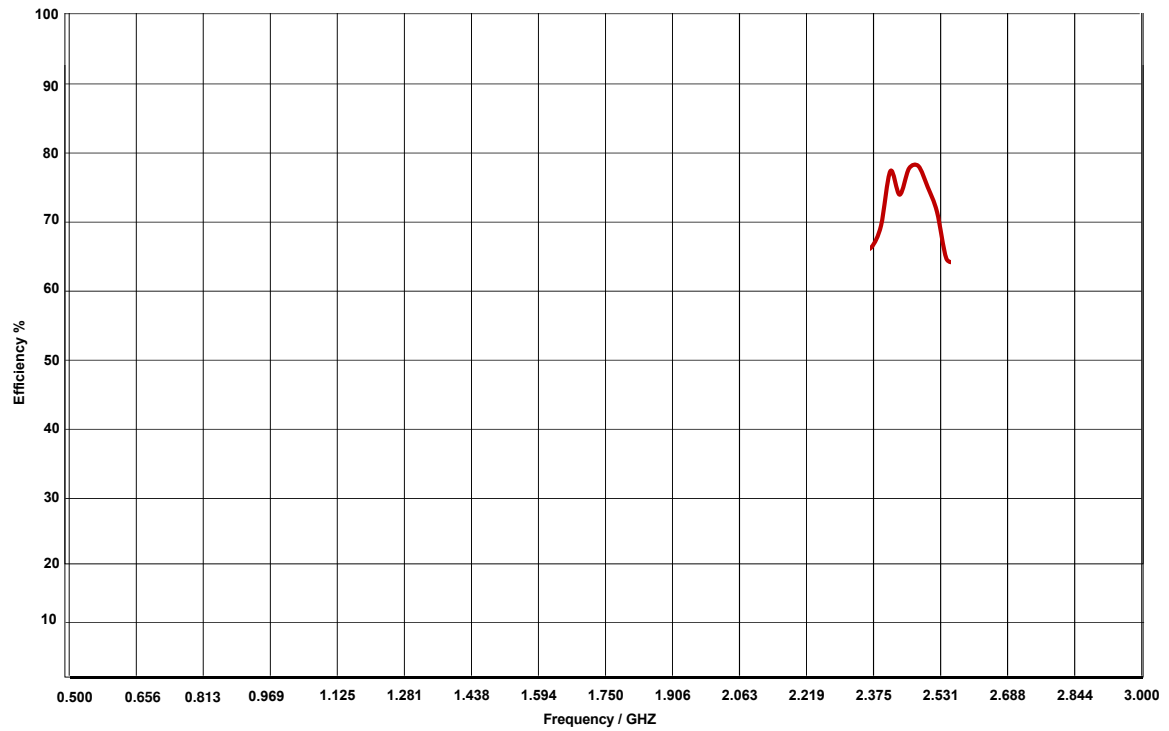
Dimensions	207mm (Overall Height) x 13mm (D) Base Diameter	
Weight	78g	
Construction Materials	Base - Black SMA / Cover - UV Stable ABS	
Mounting Arrangement	Direct Mounted SMA Male Connector Ground Plane Dependent	
Temperature Range	-40 to +85° C	
Protection Class	IP55	
WLAN / WIFI / BLUETOOTH / ZIGBEE / ISM		
Frequency Range	Bluetooth: IEEE Standard 802.11b	2400 MHz - 2484 MHz 2412 MHz - 2500 MHz
Peak Gain	@ 2400 MHz; 4.43dBi @ 2450 MHz; 4.71dBi @ 2500 MHz; 3.98dBi	
Average Gain	2.14dBi	
Impedance	50 Ohm	
Polarisation	Linear	
Radiation Pattern	Omni-directional	
VSWR	<2:1	
Input Power	25w (Maximum)	
Connector	SMA MALE	
Test & Measurement Conditions	300mm x 300mm Ground Plane	

dBi: Referenced to an isotropic radiator

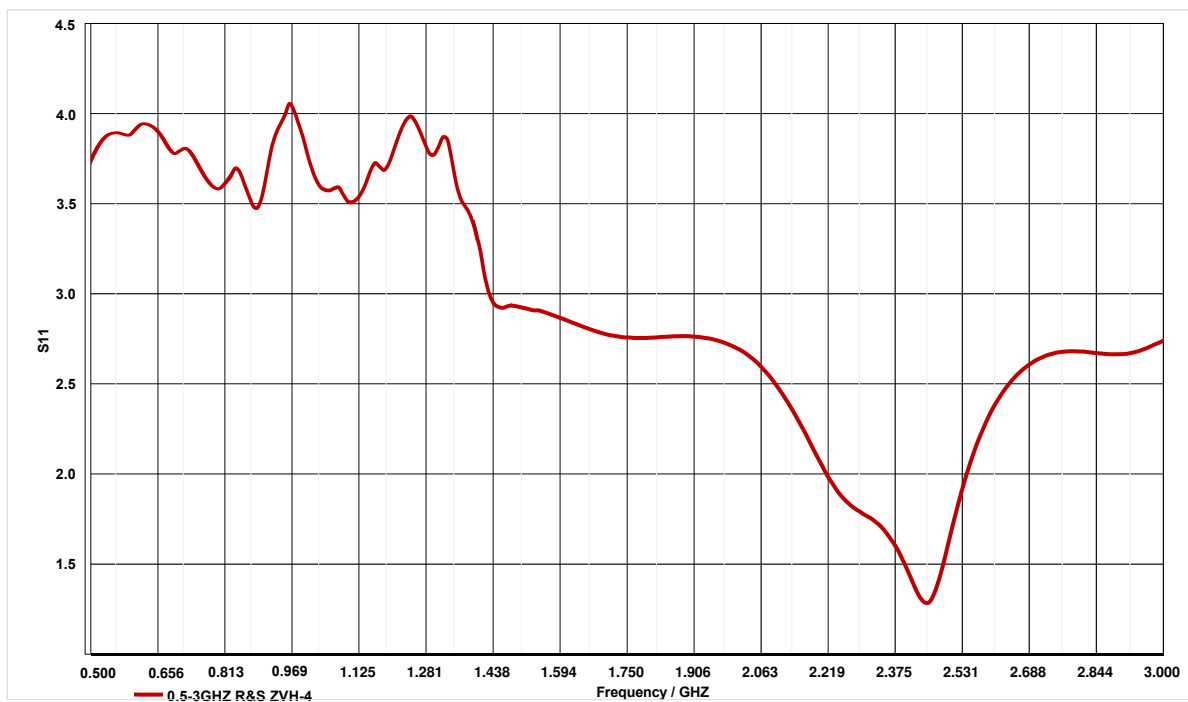
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Radiated Efficiency



VSWR Data

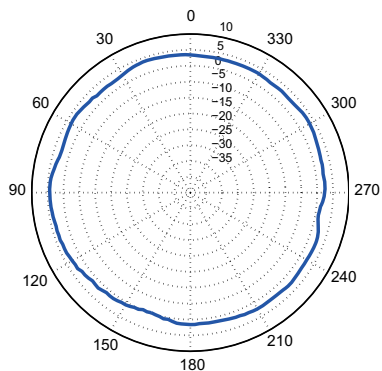


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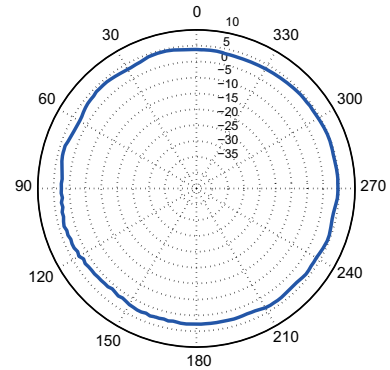
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Typical Radiation Patterns

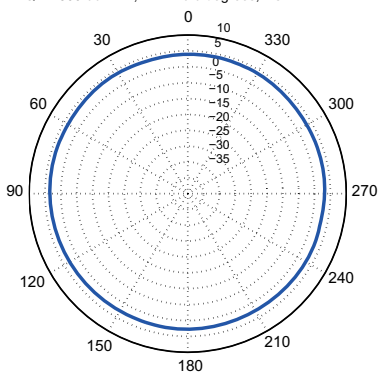
FREQ = 2400.00 MHz, EL = 20.0 degrees, POL = VLP = H PLANE



FREQ = 2450.00 MHz, EL = 20.0 degrees, POL = VLP = H PLANE



FREQ = 2500.00 MHz, EL = 20.0 degrees, POL = VLP = H PLANE



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CAD Data

