

Product: WMOD44-10

Product Order Code:  
BM-02 RANGE

## Compact PCB Antenna

WLAN, WIFI, BLUETOOTH,  
ZIGBEE, ISM

- Compact FR4 PCB Antenna
- RoHS 2011/65/EU & RoHS3 (2015/863/EU compliant)
- Request samples for test & evaluation via enquiry@bloomice.com



### Technical Data

Dimensions	44mm x 10mm x 1.2mm (Excluding 3M pad)
Weight	11g (Excluding cables and connectors)
Construction Materials	FR4 - Reinforced Epoxy Resin (1L)
Mounting Arrangement	3M Self Adhesive Pad
Temperature Range	-40 to +85 Degree C
Protection Class	IPXX

### WLAN / WIFI / BLUETOOTH / ZIGBEE / ISM

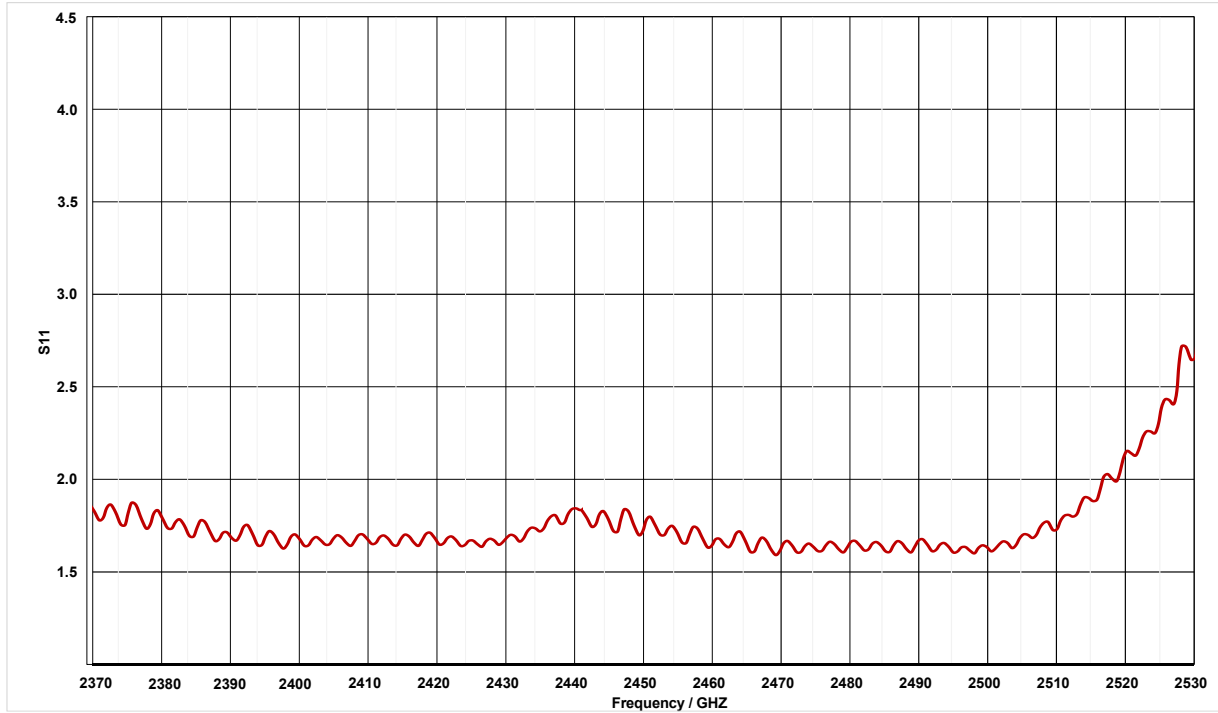
Frequency Range	Bluetooth: IEEE Standard 802.11b	2400 MHz - 2484 MHz 2412 MHz - 2500 MHz
Peak Gain		@ 2400 MHz; 2.31 dBi @ 2450 MHz; 2.02 dBi @ 2500 MHz; 2.76 dBi
Average Gain		2.3dBi
Impedance		50 Ohm
Polarisation		Linear
Radiation Pattern		Omni-directional
VSWR		<2:1 (All Bands)
Input Power		25w (Maximum)
Cable / Connector		According to customer specification
Test & Measurement Conditions		300mm x 300mm x2mm ABS /150mm MICRO 1.13 U.FL

dBi: Referenced to an isotropic radiator

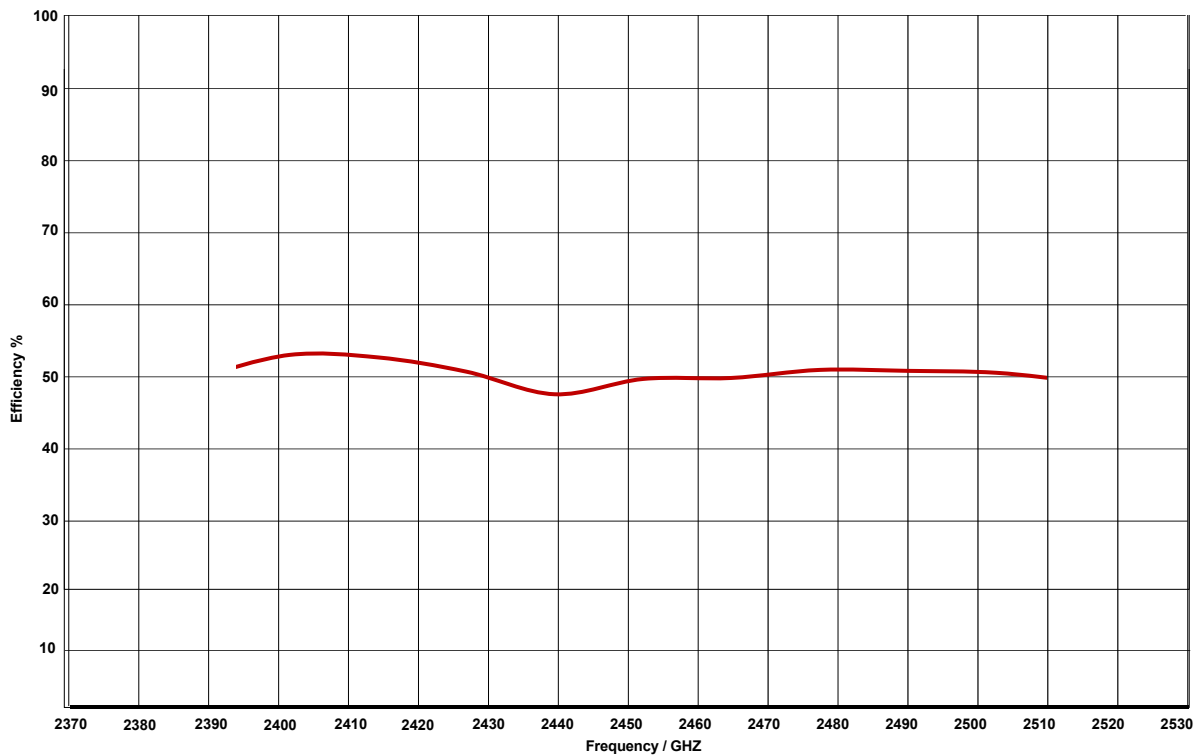
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### Typical VSWR Data (WIFI)



### Radiated Efficiency (WIFI)



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**CAD Data**

