

Product: REM M LTE / WIFI

Product Order Code:

BM-02 RANGE

Low Profile Magnetic Mounted Antenna

LTE-4G, CELLULAR (2G, 3G) & WLAN, WIFI, BLUETOOTH, ZIGBEE, ISM



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

Technical Data

Dimensions	79mm x 74mm x 15.3mm (H)
Weight	85g (Excluding cable and connector)
Construction Materials	PC/ABS UL94 V0 / UV Stable
Mounting Arrangement	Magnetic Ground Plane Dependent
Temperature Range	-40 to +85 Degree C
Protection Class	IP67 (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
Peak Gain	LTE 700 & GSM 900: GSM 1800: UMTS: WLAN + LTE (high):	@ 790-960 MHz; 3.8dBi @ 1710-1880 MHz; 2.14dBi @ 1920-2170 MHz; 2.14dBi @ 2300-2700 MHz; 2.14dBi
Radiation Pattern		Omni-Directional
Max Power @ 30 Celsius	LTE 800 & GSM 900: GSM 1800: UMTS: WLAN + LTE (high):	25 Watts @ 790-960 MHz 25 Watts @ 1710-1880 MHz 25 Watts @ 1920-2170 MHz 25 Watts @ 2300-2700 MHz
Return loss (VSWR)		<2:1 (All Featured 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 x 2mm Steel / 1m LL100 Cable / SMA Male connector

dBi: Referenced to an isotropic radiator

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Technical Data (Continued)

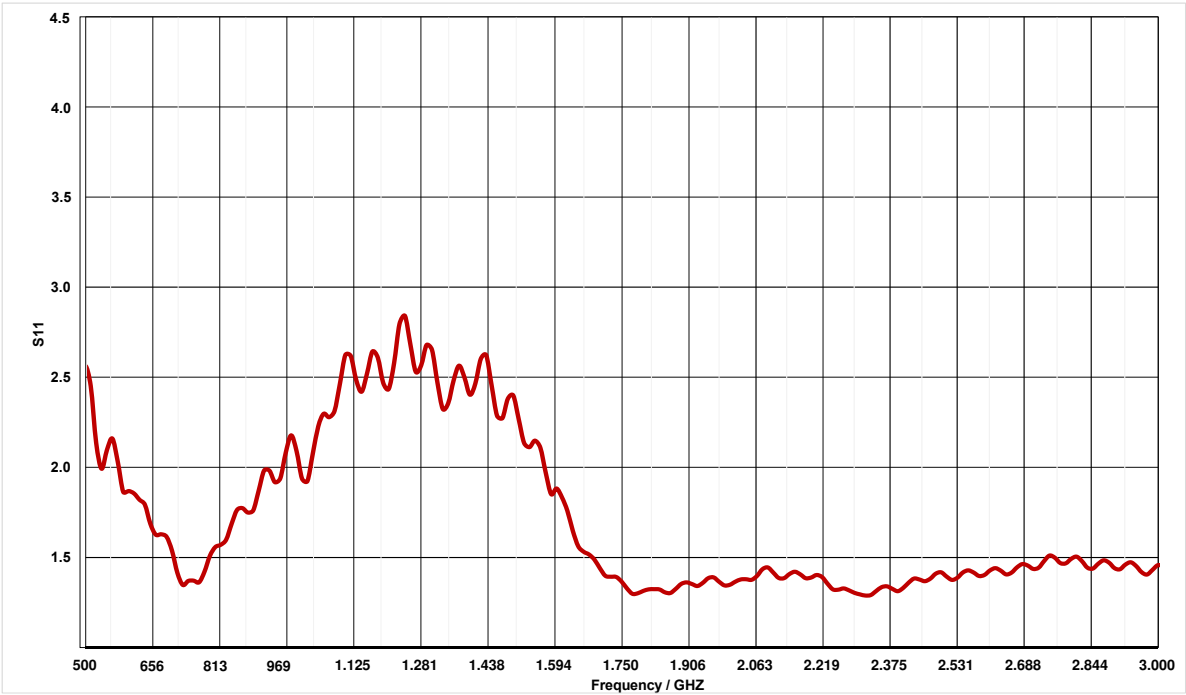
WIFI / WLAN / BT / ZIGBEE / ISM

Frequency Range	Bluetooth: IEEE Standard 802.11b	2400 MHz - 2484 MHz 2412 MHz - 2500 MHz
Peak Gain		@ 2400 MHz; 4.31 dBi @ 2450 MHz; 4.02 dBi @ 2500 MHz; 3.76 dBi
Average Gain		3,1 dBi
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 Ground Plane

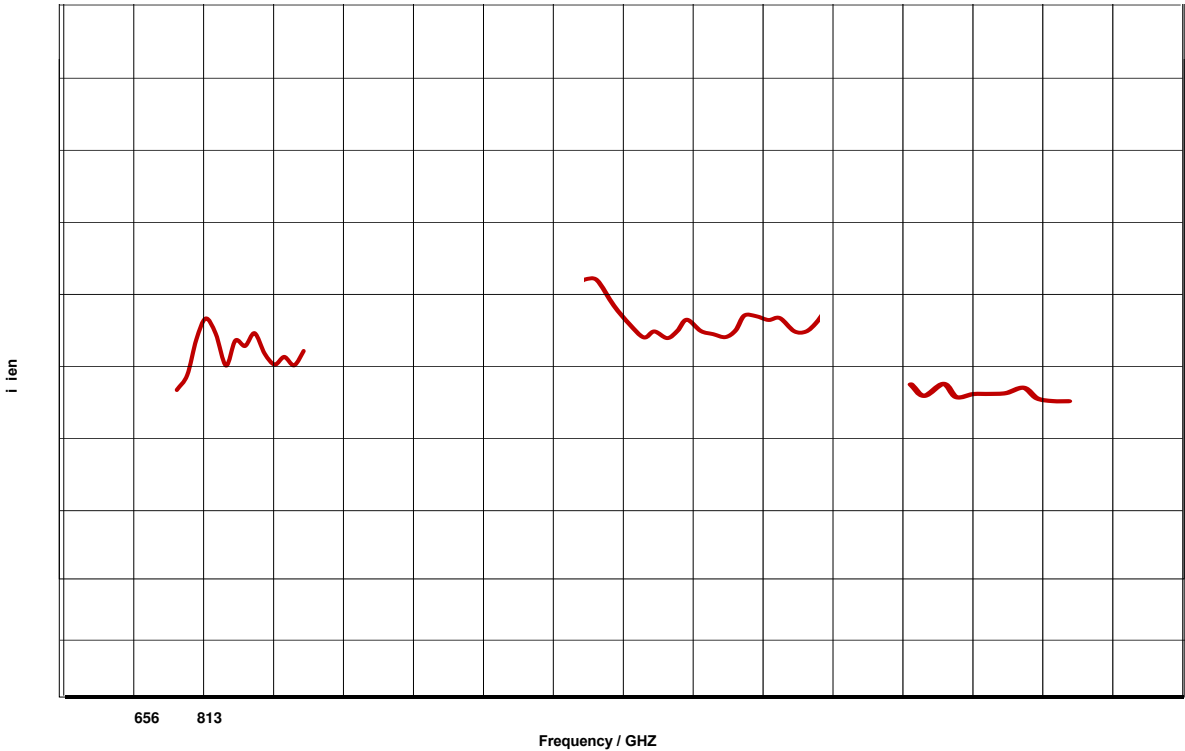
dBi: Referenced to an isotropic radiator

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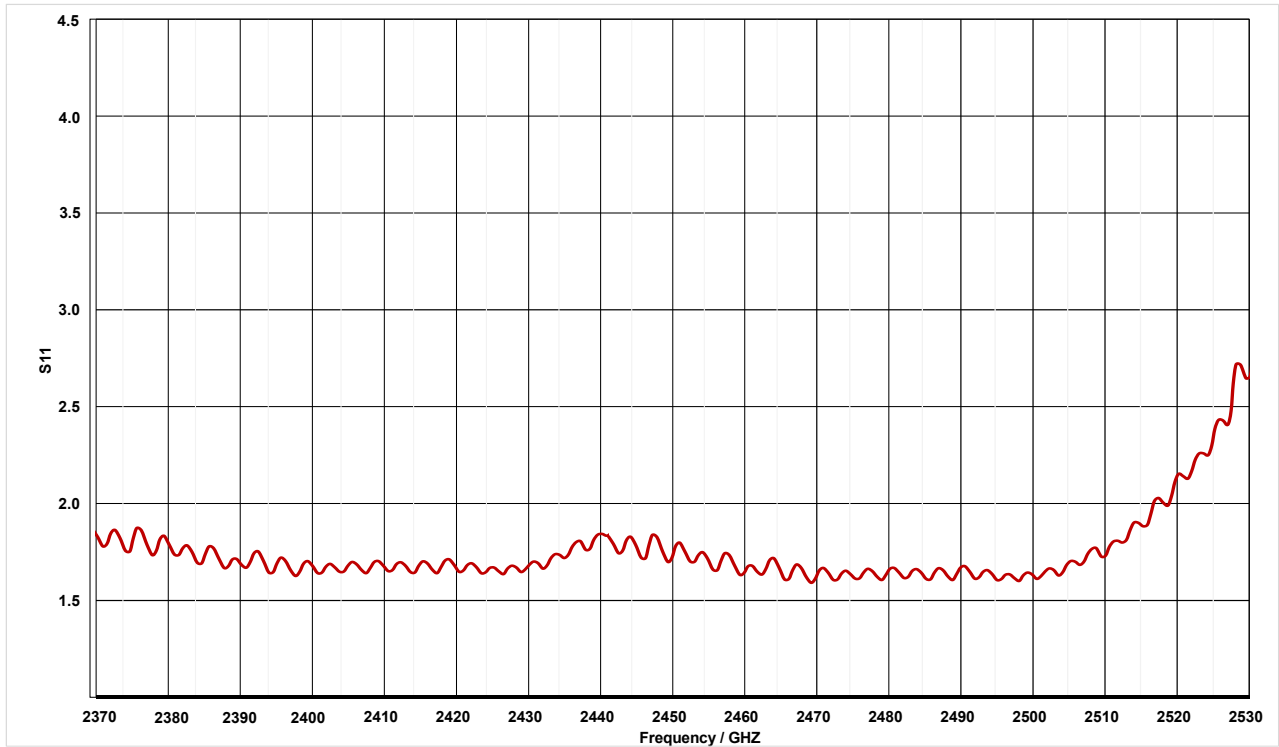
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Typical VSWR Data (WIFI)



CAD Data

