

Product: TBAR112-23

Product Order Code:

BM-02979/V2

Wideband High Efficiency IoT TBAR Antenna

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

- Self Adhesive LTE IoT wideband antenna
- RoHS 2011/65/EU & RoHS3 (2015/863/EU compliant)
- Request samples for test & evaluation via enquiry@bloomice.com



Technical Data

Dimensions	112mm x 23mm x 7.8mm (Overall Depth)	
Weight	34g (Excluding cable & connector)	
Construction Materials	White ABS UV resistant plastic	
Mounting Arrangement	Self Adhesive (3M Pad) Ground Plane Independent	
Temperature Range	-40 to +85° C	
Protection Class	IP55 (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	
Average Gain	LTE 700 + GSM 900: GSM 1800: UMTS: WLAN + LTE (High):	@ 790-960 MHz; 4.9dBi @ 1710-1880 MHz; 5.2dBi @ 1920-2170 MHz; 4.8dBi @ 2300-2700 MHz; 4.6dBi
Radiation Pattern	Omni-Directional	
Max Power @ 30°C	LTE 700 + 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)	≤ 2.1:1 (All Bands)	
Radiator Type	Dipole	
Connector	According to customer specification	
Cable	According to customer specification	
Test & Measurement Conditions	Wall Mounted / 100mm LL100 / SMA MALE	

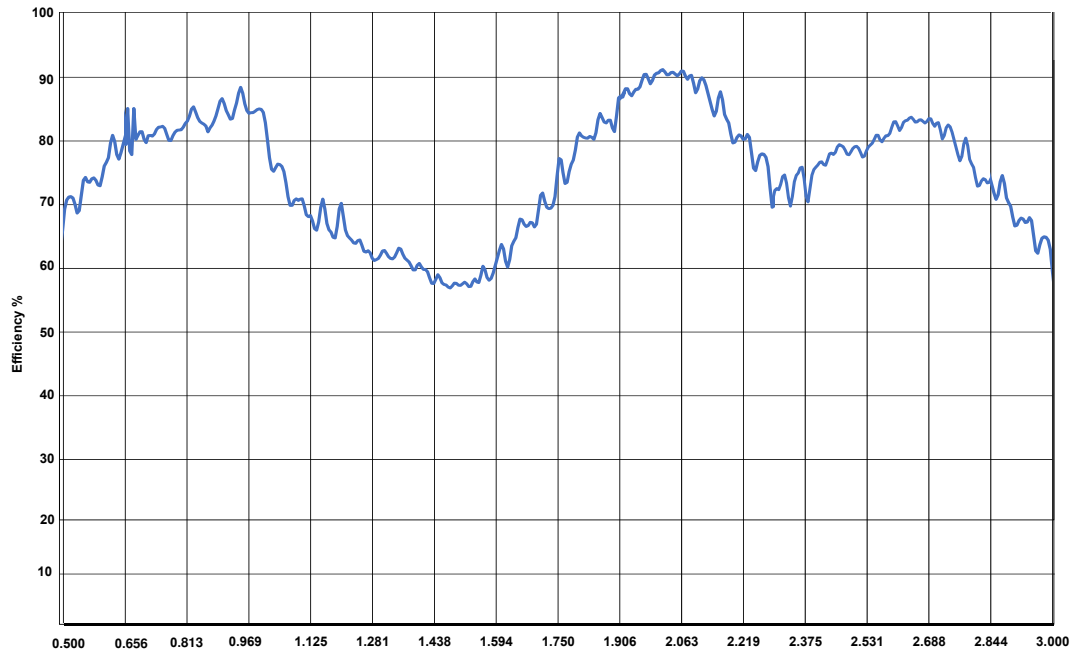
dB_i: Referenced to an isotropic radiator

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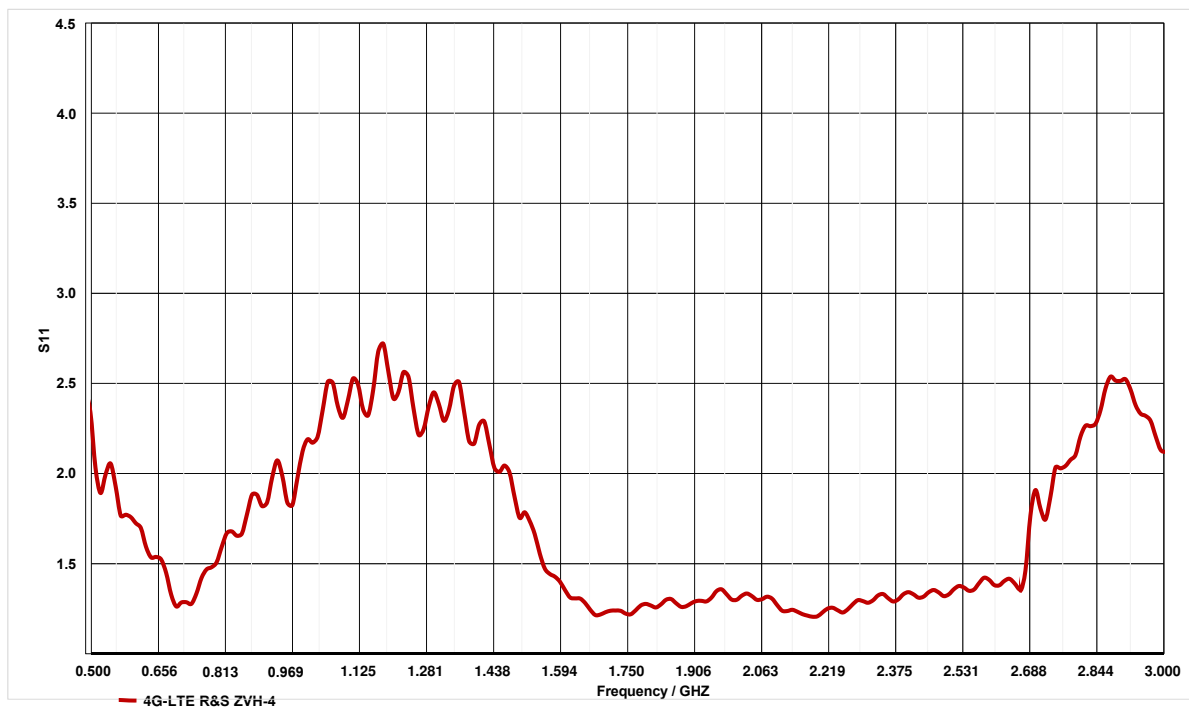
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Radiated Efficiency



Typical VSWR



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CAD Drawing

Dimensions in mm

