

Product: FLEXIONAR LTE/5G

Product Order Code:  
BM-02 RANGE

## Ultra Wideband FoilBack™ Antenna

5G NR, LTE-4G, CELLULAR (2G, 3G)

- High efficiency, highly flexible antenna
- Perfect single product solution for global approved network use
- RoHS 2011/65/EU & RoHS3 (2015/863/EU compliant)
- Request samples for test & evaluation via enquiry@bloomice.com



### Technical Data

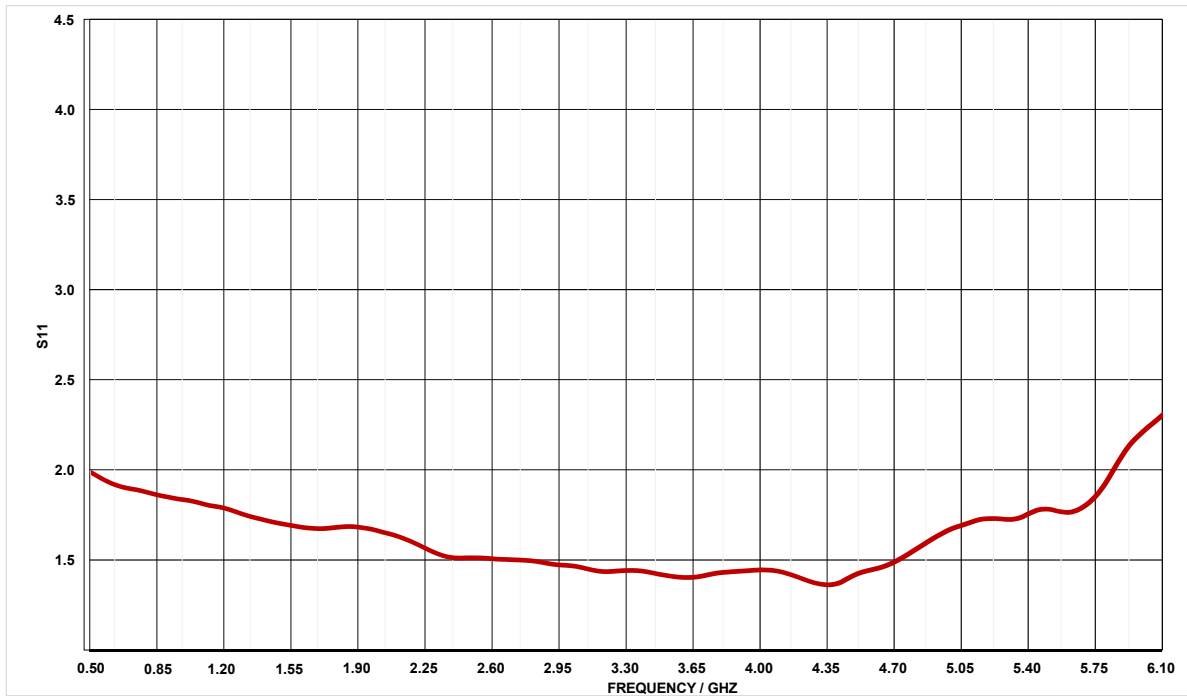
Dimensions	120mm x 50mm x 0.25mm	
Weight	4g	
Construction Materials	Polyoxymethylene Cover over copper element	
Mounting Arrangement	3M Self Adhesive Fixing Pad Ground Plane Independent	
Temperature Range	-40 to +85° C	
Protection Class	IPXX	
<b>Cellular 5G NR / LTE / 2G / 3G</b>		
Frequency Standards	2G / 3G / 4G-LTE / 5G NR / CBRS / CAT-x / CAT-Mx / CAT-NBx / DCS / FirstNet / GSM 900 & 1800 / LPWA / NB-IOT / PCS / UMTS	
Frequency Range	5G NR + LTE 700 + GSM 900: 5G NR + LTE + 3G + GSM 1800: 5G NR + LTE + 3G: 5G NR + LTE (High):	617 - 960 MHz 1427 - 2690 MHz 3300 - 5000 MHz 5150 - 5925 MHz
Impedance	50 Ohm	
Polarisation	Linear	
Peak Gain	5G NR + LTE 700 + GSM 900: 5G NR + LTE + 3G + GSM 1800: 5G NR + LTE + 3G: 5G NR + LTE (High):	@ 617 - 960 MHz; 2.8dBi @ 1427 - 2690 MHz; 3.2dBi @ 3300 - 5000 MHz; 3.1dBi @ 5150 - 5925 MHz; 2.14dBi
Radiation Pattern	Omni-Directional	
VSWR	5G NR + LTE 700 + GSM 900: 5G NR + LTE + 3G + GSM 1800: 5G NR + LTE + 3G: 5G NR + LTE (High):	@ 617 - 960 MHz; <2:1 @ 1427 - 2690 MHz; <1.6:1 @ 3300 - 5000 MHz; <1.5:1 @ 5150 - 5925 MHz; <2.3:1
Maximum Input Power @ 30°C	25 Watts	
Radiator Type	Folded Dipole	
Cable Type	Choice of 0.81 / 1.13 / 1.37 Micro Coax / RG178	
Connector	According to customer specification	
Test & Measurement Conditions	Fixed on 150mm x 150mm ABS Base / 200mm 1.37 MICRO Coax	

dBi: Referenced to an isotropic radiator

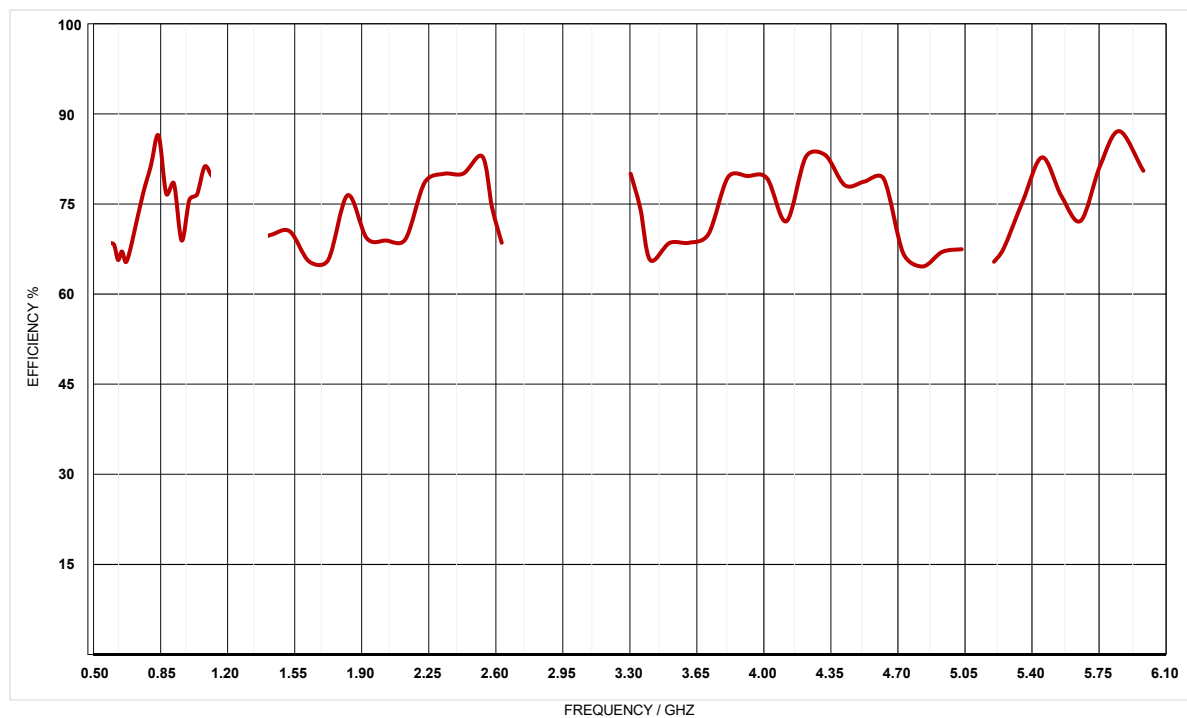
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### VSWR Data



### Radiated Efficiency



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**CAD Data**

