

Product: PARED-J-NF/5G

Product Order Code:
BM-02798/5G

Medium Gain Wall & Pole Mounted Antenna

5G, LTE-4G, CELLULAR (2G, 3G), CDMA, GPRS ISM, UMTS, WCDMA

- Wall & Pole mounted 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	As per CAD detail below
Weight	155g
Construction Materials	Fibreglass UV Stable UL94 V0 (Whip) Stainless Steel (Bracket & Base)
Mounting Arrangement	Stainless Steel Wall / Pole Mounted Bracket N Type Female Base Mounted Connector
Wind Loading	40N @ 150KM/H
HPBW - Horizontal / Vertical	360° / 10°
Lightning Protection	Direct Ground
Temperature Range / Humidity	-40°C to +85°C / 100% @ 25°C
Protection Class	IP66 (IEC 60529)

Cellular 5G NR / LTE / 2G / 3G

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:	617 - 960 MHz
	5G NR + LTE + 3G + GSM 1800:	1427 - 2690 MHz
	5G NR + LTE + 3G:	3300 - 5000 MHz
	5G NR + LTE (High):	5150 - 5925 MHz
Impedance	50 Ohm	
Polarisation	Vertical	
Peak Gain	5G NR + LTE 700 + GSM 900:	@ 617 - 960 MHz; 3.2dBi
	5G NR + LTE + 3G + GSM 1800:	@ 1427 - 2690 MHz; 7.2dBi
	5G NR + LTE + 3G:	@ 3300 - 5000 MHz; 5.1dBi
	5G NR + LTE (High):	@ 5150 - 5925 MHz; 5.1dBi
Radiation Pattern	Omni-Directional	
VSWR	5G NR + LTE 700 + GSM 900:	@ 617 - 960 MHz; <2.5:1
	5G NR + LTE + 3G + GSM 1800:	@ 1427 - 2690 MHz; <1.6:1
	5G NR + LTE + 3G:	@ 3300 - 5000 MHz; <1.7:1
	5G NR + LTE (High):	@ 5150 - 5925 MHz; <2:1
Maximum Input Power @ 30°C	50 Watts	
Radiator Type	Folded Dipole	
Connector	N Type Female	
Test & Measurement Conditions	Free Space (Pole Mounted)	

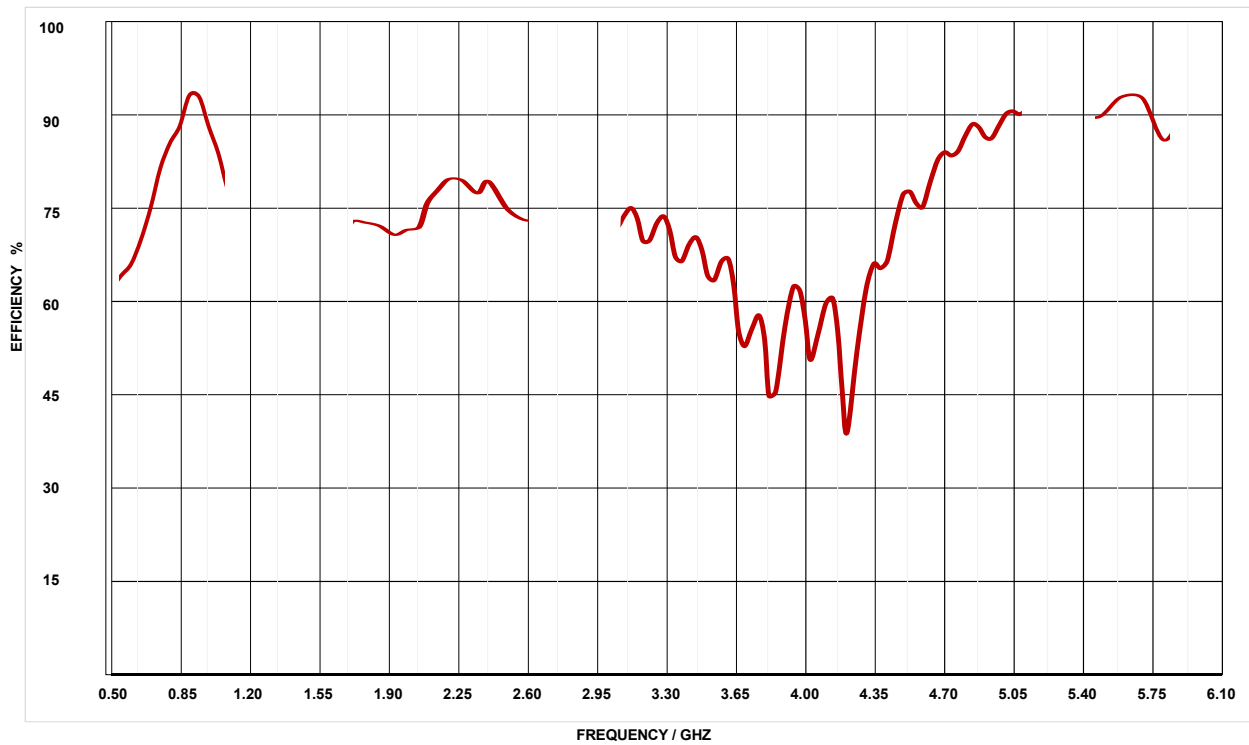
dBi: Referenced to an isotropic radiator

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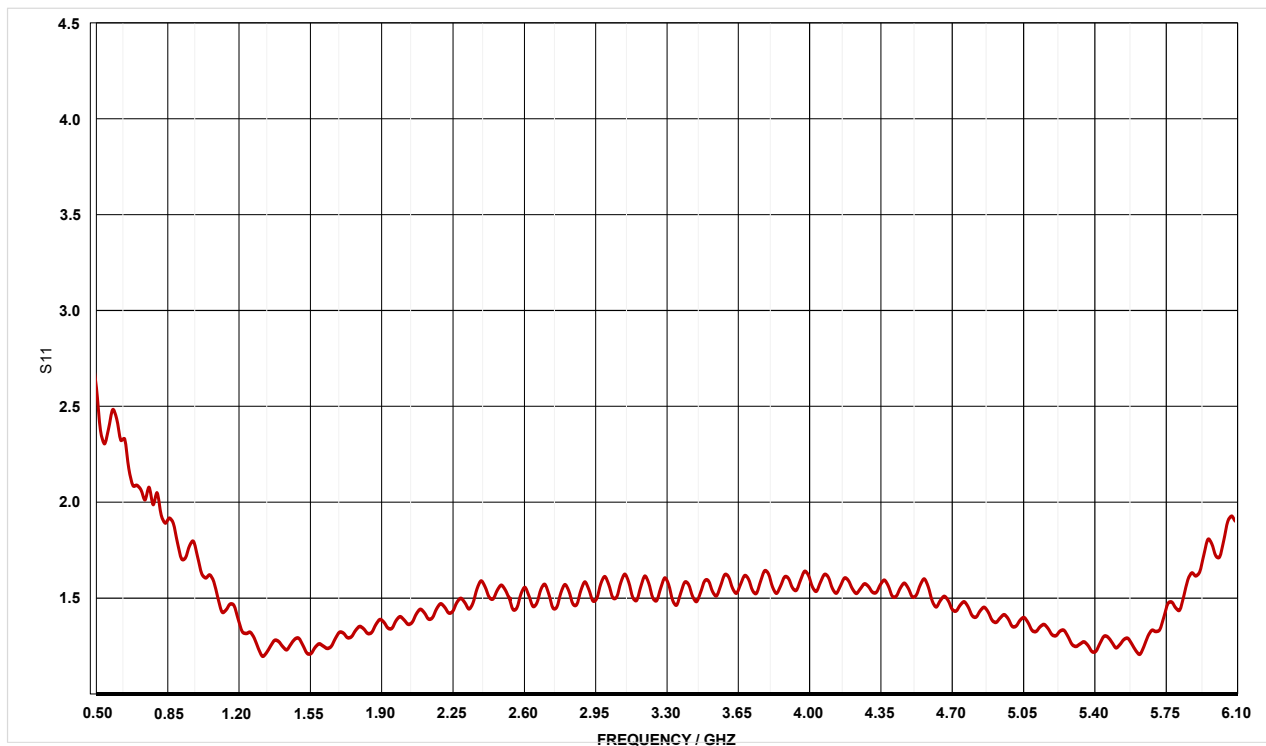
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Radiated Efficiency



Typical VSWR



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CAD Data

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