

Product: DELGADO WP LTE

Product Order Code:
BM-02 RANGE

Wideband Waterproof Antenna

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

- IP67 robust wideband patch antenna
- RoHS 2011/65/EU & RoHS3 (2015/863/EU compliant)
- Request samples for test & evaluation via enquiry@bloomice.com



Technical Data

Dimensions		126mm (H) x 25mm (W) x 3.5mm (D)
Weight		57g
Construction Materials		PC UV Stable ABS
Mounting Arrangement		Self Adhesive Pad or Silicone Adhesive (Not Supplied) Ground Plane Independent - Mount on any non metallic surface
Temperature Range		-40°C to +85°C
Protection Class		IP67 (IEC 60529)
Cellular LTE / 2G / 3G		
Frequency Range	LTE 700 + GSM 900:	698 - 960 MHz
	GSM 1800:	1710 - 1880 MHz
	UMTS:	1920 - 2170 MHz
	LTE (High):	2300 - 2700 MHz
Impedance		50 Ohm
Polarisation		Linear
Average Gain	LTE 700 + GSM 900:	@ 790-960 MHz; 2.14dBi
	GSM 1800:	@ 1710-1880 MHz; 2.14dBi
	UMTS:	@ 1920-2170 MHz; 2.14dBi
	LTE (High):	@ 2300-2700 MHz; 2.14dBi
Radiation Pattern		Omni-Directional
Max Power @ 30°C	LTE 700 + GSM 900:	25 Watts @ 790-960 MHz
	GSM 1800:	25 Watts @ 1710-1880 MHz
	UMTS:	25 Watts @ 1920-2170 MHz
	LTE (High):	25 Watts @ 2300-2700 MHz
Return Loss (VSWR)		≤ 2:1 (All 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 ABS / 1000mm LL100 Cable / SMA Male connector

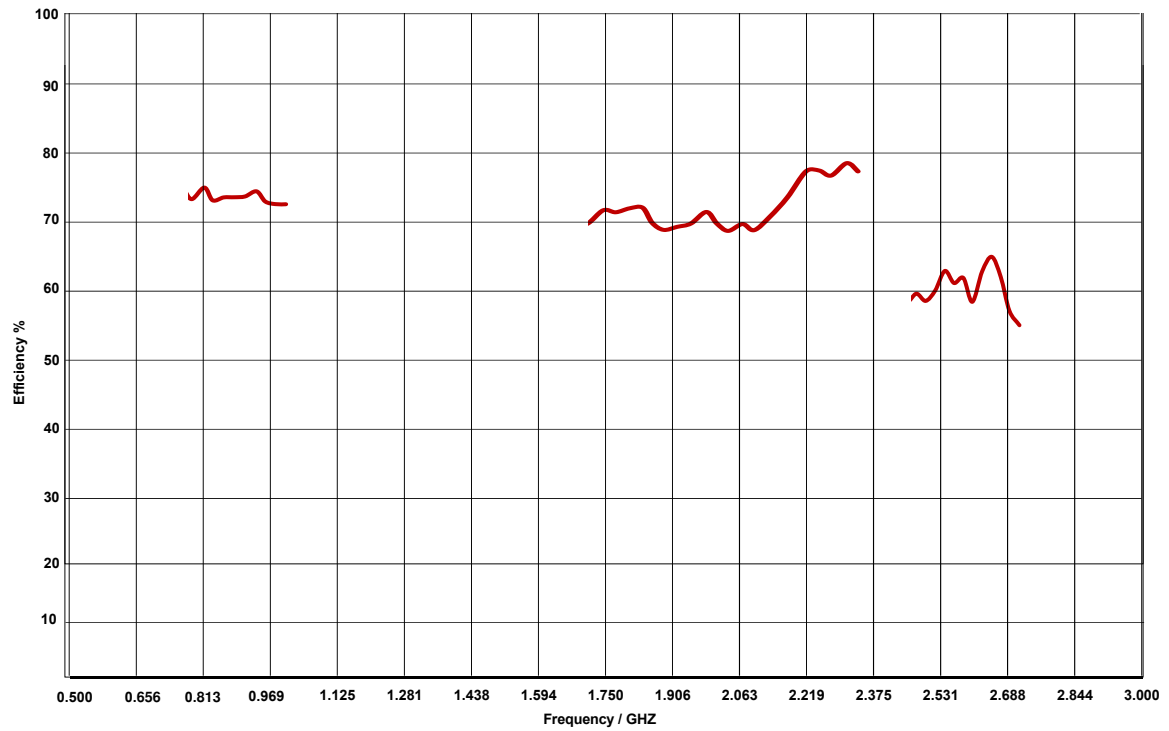
dBi: Referenced to an isotropic radiator

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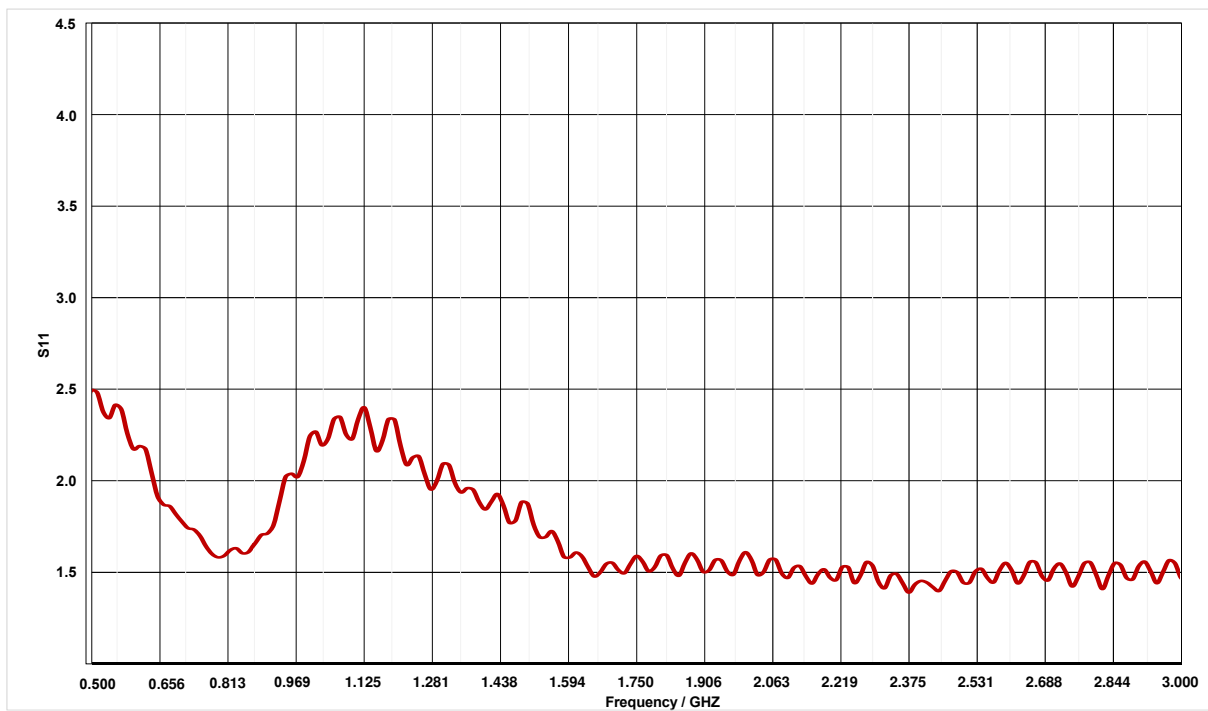
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Radiated Efficiency (LTE)



Typical VSWR (LTE)



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CAD Data

