

SMP 4G LTE MiMo

Indoor-Outdoor Compact Directional Multi-Band
(4G - LTE , WLAN 2.4)

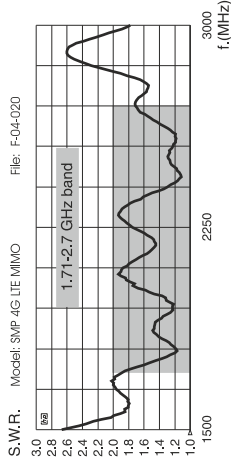


MAIN FEATURES

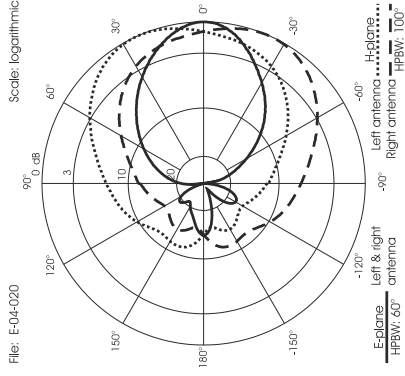
- Very compact directional panel antenna
- 2x wide band elements in single case
- Suitable for indoor and outdoor use
- Working on 4G LTE specially conceived for MiMo systems
- Easy and quick installation on the mast or on the wall
- Fully designed & Manufactured in Italy

Installation Manual

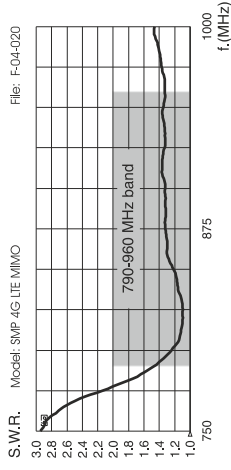
TYPICAL S.W.R. RESPONSE



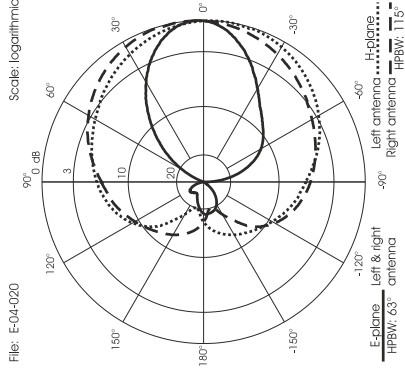
TYPICAL RADIATION PATTERN at 1940 MHz



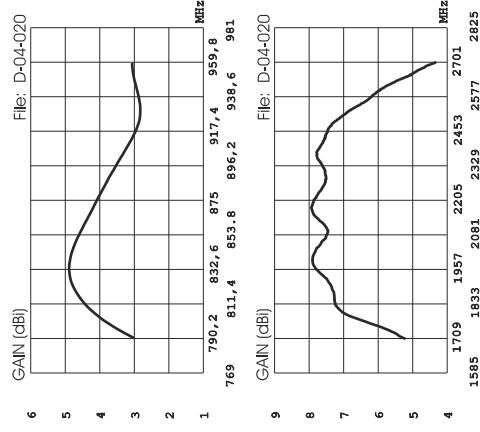
TYPICAL S.W.R. RESPONSE



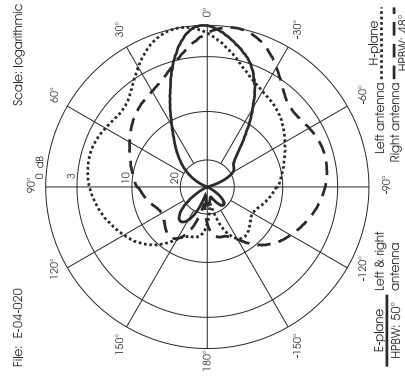
TYPICAL RADIATION PATTERN at 875 MHz



TYPICAL GAIN DIAGRAM vs FREQUENCY



TYPICAL RADIATION PATTERN at 2500 MHz



SPECIFICATIONS

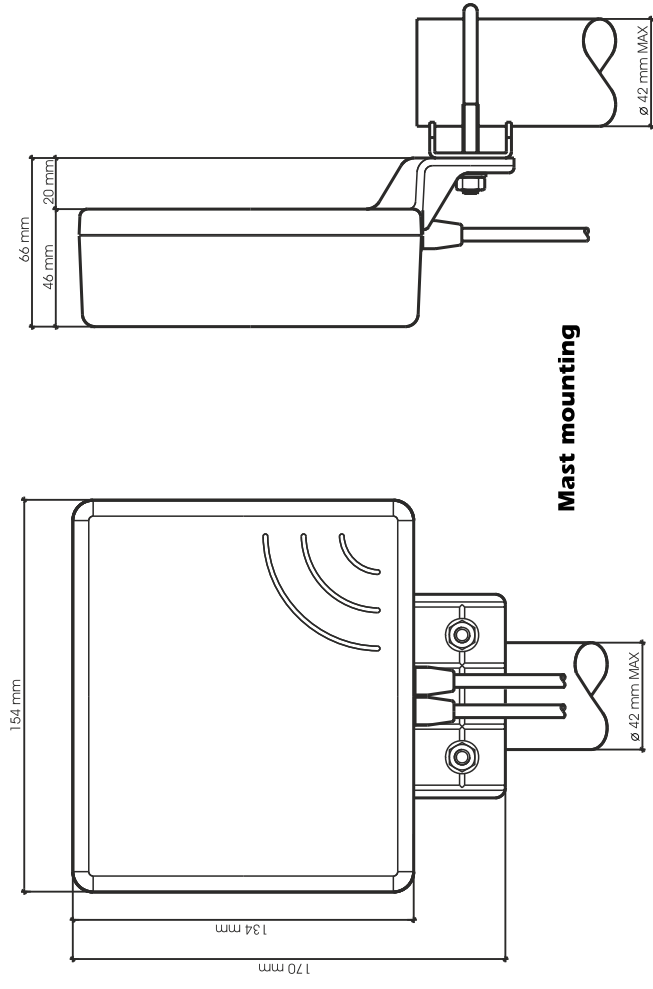
Electrical Data

Type	Directional mini panel - 2 wideband elements
Frequency Range (each element)	790-960 MHz & 1710-2700 MHz @ SWR ≤ 2
Impedance	50 Ω
Half Power Beam Width	see Typical Radiation Patterns
Polarization	Linear Vertical
Max gain (each element)	5 dBi @ 790-960 MHz 8 dBi @ 1710-2700 MHz
Front to back ratio (each element)	≥ 10 dB @ 790-960 MHz ≥ 15 dB @ 1710-2700 MHz
Correlation coefficient	< 0.1 for all bands
Element Isolation (each element)	≥ 10 dB @ 790-960 MHz ≥ 15 dB @ 1710-2700 MHz
Max Power @ 30°C ambient (each element)	20 Watts (CW) @ 790-960 MHz 8 Watts (CW) @ 1710-2700 MHz
Cable Type / Length	2 x White LOW LOSS / 30 cm [other lenght on request]
Connector	2 x SMA-male (other type on request, acc min q.ty)

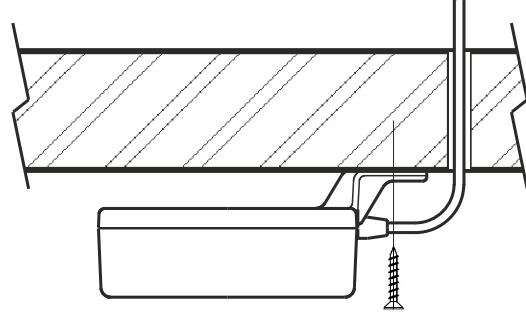
Mechanical Data

Materials	RAL 7035 Light Grey thermoplastic UV stabilized, galvanized steel
Wind Load @ 150 km/h	40 N
Wind Resistance	180 Km/h
Wind Surface	0.02 m ²
Operating temperature	-40°C to + 80°C
Dimensions (approx.)	154 x 134 x 46 mm without bracket
Weight (approx.)	420 gr
Installation Type	Mast: Ø25-42 mm with U-bolt (included) Wall: mounting screw (not included)

MOUNTING INSTRUCTIONS



Mast mounting



Wall mounting
(screws not included)



Optional tilting bracket

Mast: Ø 35-50 mm with clamp included
Wall: with mounting screws (not included)