

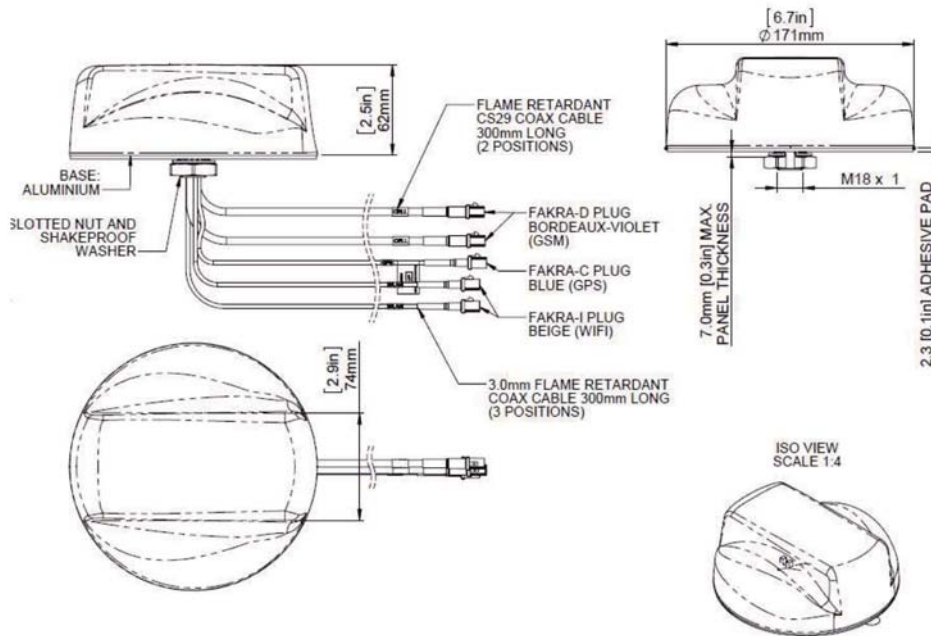
MC0114578-WLAN-GPS LTE MIMO Antenna, IP67

698-960 / 1700-2700 MHz / 2.4/4.9-6 GHz

GSM/ISM/UMTS/WLAN/LTE/GPS



IP67



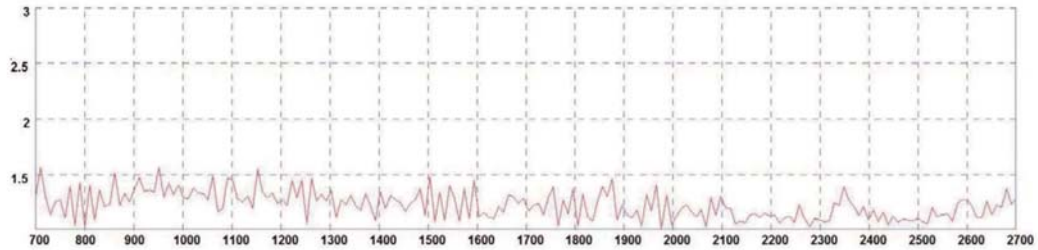
Specifications

Frequency Range (MHz)	Elements 1 & 2	698-960 / 1700-2700 MHz
	Elements 3 & 4	2.4/4.9-6 GHz
Operational Bands	Elements 1 & 2	LTE / Cellular
	Elements 3 & 4	WiFi
Peak Gain: Isotropic	Elements 1 & 2	698-960 = 2.3dBi
	Elements 1 & 2	1700-2700 = 5dBi
	Elements 3 & 4	2dBi
VSWR	Elements 1 & 2	< 2.5:1
Isolation (in free space)	Elements 1 & 2	> 15dB
Polarisation		Vertical
Impedance		50Ω
Max Input Power (W)		50
GPS Data:		
Frequency Range (MHz)		1575
VSWR		<2.0:1 ± 4MHz
Gain: LNA		26dB
Operating Voltage		3 - 5V DC (fed via coax)
Type Approval		E11 (ECE R10.4)
Mechanical Data:		
Dimensions		Height 2.4" (62mm), Diameter 6.7" (170mm)
Operating Temp		-22°/ 176°F (-30° to +80°C)
Material		A.S.A & diecast aluminium
Colour		White (optional in black)
Mounting type		Panel mount
Max panel thickness		0.236" (6mm)
Mounting hole		3/4" (19mm)
Cable		2xCS29 cable 0,3m, SMA (male) 2xRG174 cable 0,3m, SMA (male) @ WLAN 1xRG174 cable 0,3m, FME (female) @ GPS



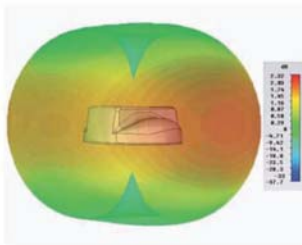
MC0114578-WLAN-GPS LTE MIMO Antenna, IP67

Typical VSWR (Elements 1 & 2)*

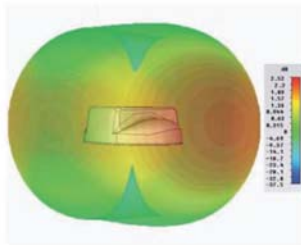


* VSWR measured with 5m (16') of cable.

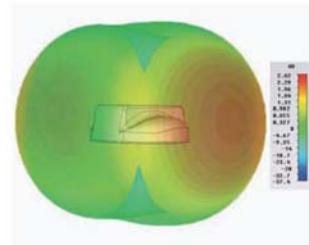
Typical 3D Pattern - Elements 1&2 700MHz



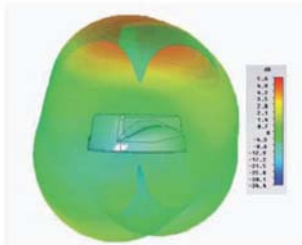
Typical 3D Pattern - Elements 1&2 800MHz



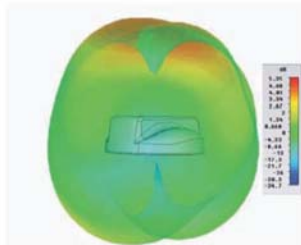
Typical 3D Pattern - Elements 1&2 900MHz



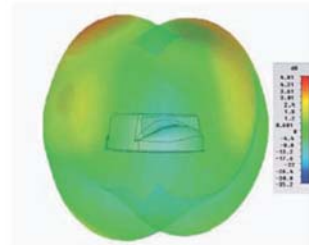
Typical 3D Pattern - Elements 1&2 1800MHz



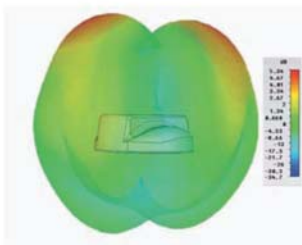
Typical 3D Pattern - Elements 1&2 1900MHz



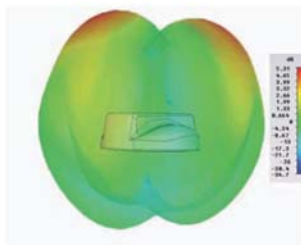
Typical 3D Pattern - Elements 1&2 2100MHz



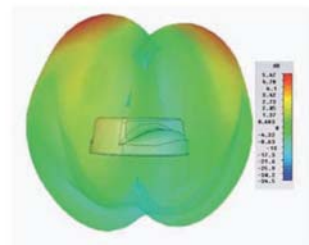
Typical 3D Pattern - Elements 1&2 2400MHz



Typical 3D Pattern - Elements 1&2 2500MHz



Typical 3D Pattern - Elements 1&2 2600MHz



N.B. All pattern and gain measurements taken on a 400 x 400mm (2' x 2') ground plane without additional cable.