

GPRS & 3G UMTS

WM11

High Gain Panel Antenna



WM11

High gain

Mast mount, wall mount

2G/3G Range extending antenna

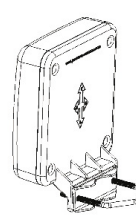
The WM11 is an ideal range extending antenna for USB modems and 2G/3G routers. With high directional gain across several bands the antenna can be directed towards the nearest cell site to help achieve a stable connection even in rural or edge of cell environments.

Supplied as an WM11-AEP3G-03SJ (8/18/19/2100MHz) or WM11-DEP3G-03SJ (9/18/19/2100MHz) the antenna comes appropriate mounting hardware allowing for mast or wall mounting.

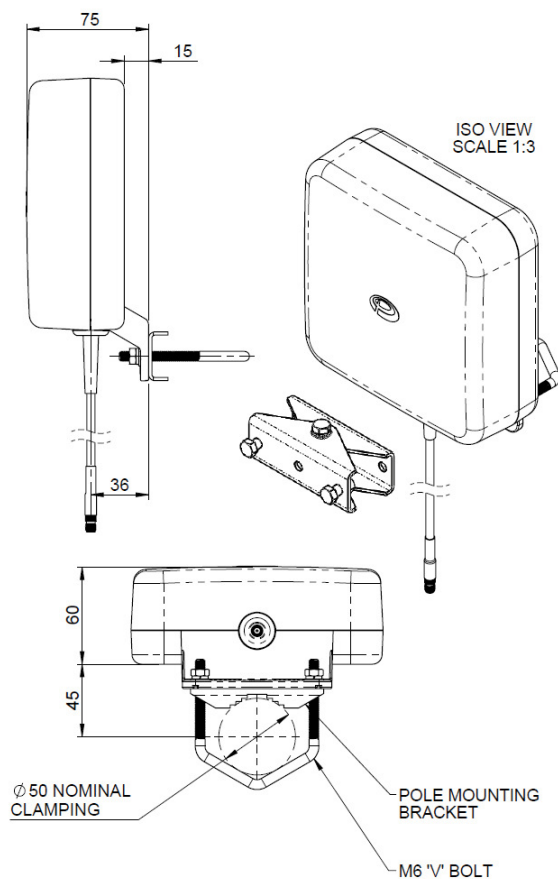
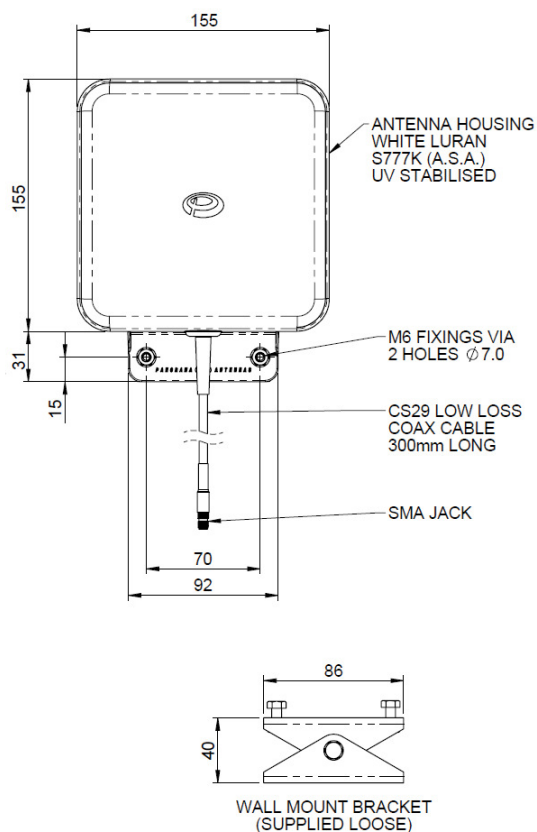
Wall Mount



Mast Mount



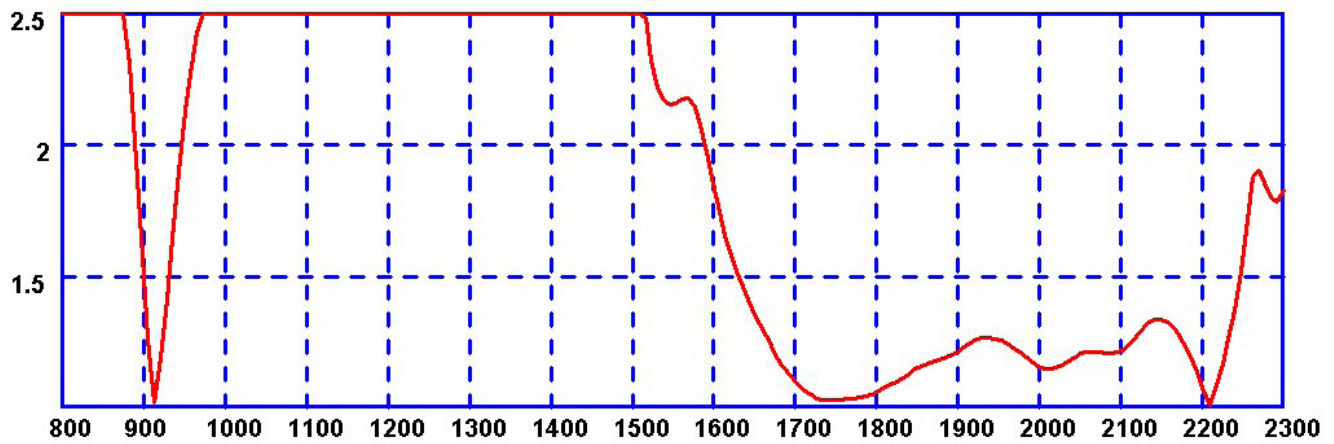
Technical Drawing



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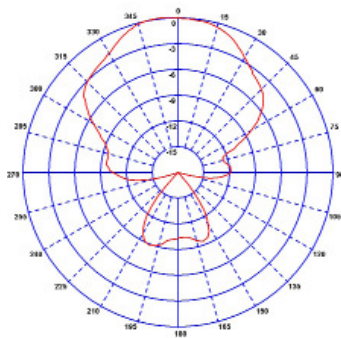
High Gain Panel Antenna

Typical VSWR*

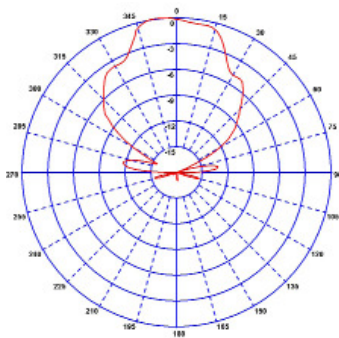


* VSWR shown typical of WM11-DEP3G-03SJ measured with 5m (17') of CS29 cable

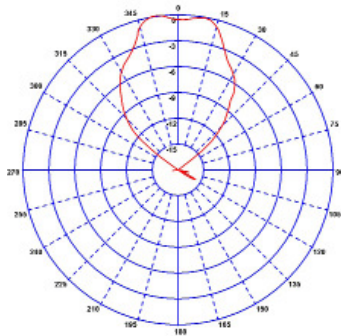
Typical H-Plane (8/900MHz)



Typical H-Plane (1800MHz)



Typical H-Plane (2100MHz)



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High Gain Panel Antenna

Part No.		
WM11-AEP3G-03SJ		WM11-DEP3G-03SJ
Electrical Data		
Frequency Range (MHz)	805-894, 1710-1880, 1850-1990 & 1900-2170	890-960, 1710-1880, 1850-1990 & 1900-2170
Operational Band	AMPS800, GSM1800, PCS1900 & 3G UMTS	GSM900, GSM1800, PCS1900 & 3G UMTS
Peak Gain: Isotropic	8dBi (805-894), 9dBi (1710-1900) & 11dBi (1900-2170)	8dBi (890-960), 9dBi (1710-1900) & 11dBi (1900-2170)
Compared to ¼ wave	6dB (805-894), 7dB (1710-1900) & 9dB (1900-2170)	6dB (890-960), 7dB (1710-1900) & 9dB (1900-2170)
Typical VSWR	≤ 2.5:1	≤ 2.5:1
Polarisation	Vertical	Vertical
Pattern	Directional	Directional
Impedance	50Ω	50Ω
Max Input Power (W)	50W	50W
Mechanical Data		
Dimensions (mm)	Height	155 (6.1")
	Width	155 (6.1")
	Depth	75 (2.95")
Off-Set from wall (mm)		15 (0.6")
Operating Temp (°C)		-40° / +80°C (-40° / +176°F)
Colour		White
Material		ASA
Pole Mounting Data		
Fixing		Pole Mount / Wall Mount
Pole Diameter (mm)		20 - 50 (0.8-2")
Wall Mounting Data		
Fixing		Swivel Bracket
Off-set from wall (mm)		40 (1.6")
Environmental Specification		
Wind Load / Resistance		63N at 180km/h
Wind Surface (m²)		0.02
Cable Data		
Type		CS29 Low Loss Coaxial Cable
Length (m)		0.3 (1')
Colour		Black
Thickness (mm)		5 (0.2")
Termination		SMA socket

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