



### WM8-BADEP3G-26-NJ

High gain

Mast mount or wall mount

Low PIM & SAR tested to EN50385:2002

Integrate wireless services into one antenna



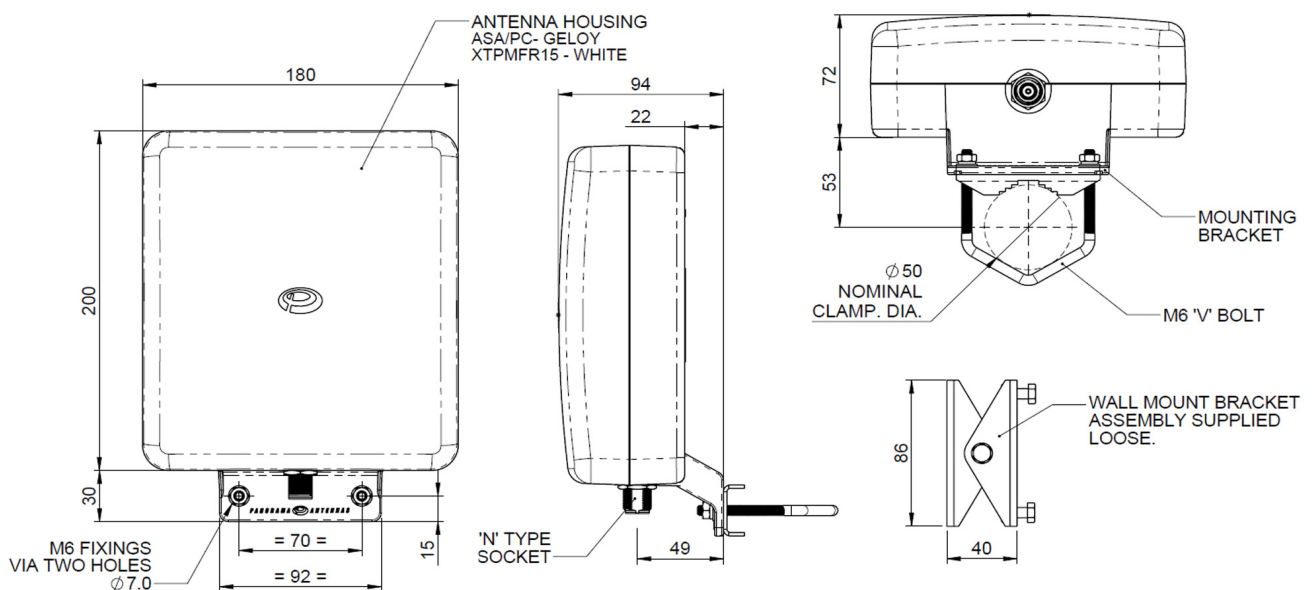
A versatile high gain directional antenna for in building applications, Panorama's WM8 range allows businesses and facilities to support multi-service/multi-operator wireless coverage. The WM8-BADEP3G-26-NJ supports 2G, 3G, 3G+ and 4G technologies including LTE, AMPS, PCS, GSM, UMTS & AWS with lower gain coverage of WIFI 2.4GHz and LTE 2.6GHz.

The WM8 range is housed in impact resistant, UV light stabilised plastic. The features a heavy duty N female connector making the product ideal for indoor and outdoor deployment, for inbuilding coverage or network infill applications.



This product features Panorama Antennas' PIM Guard Technology and will meet or exceed a third order intermodulation level of < -140dBc.

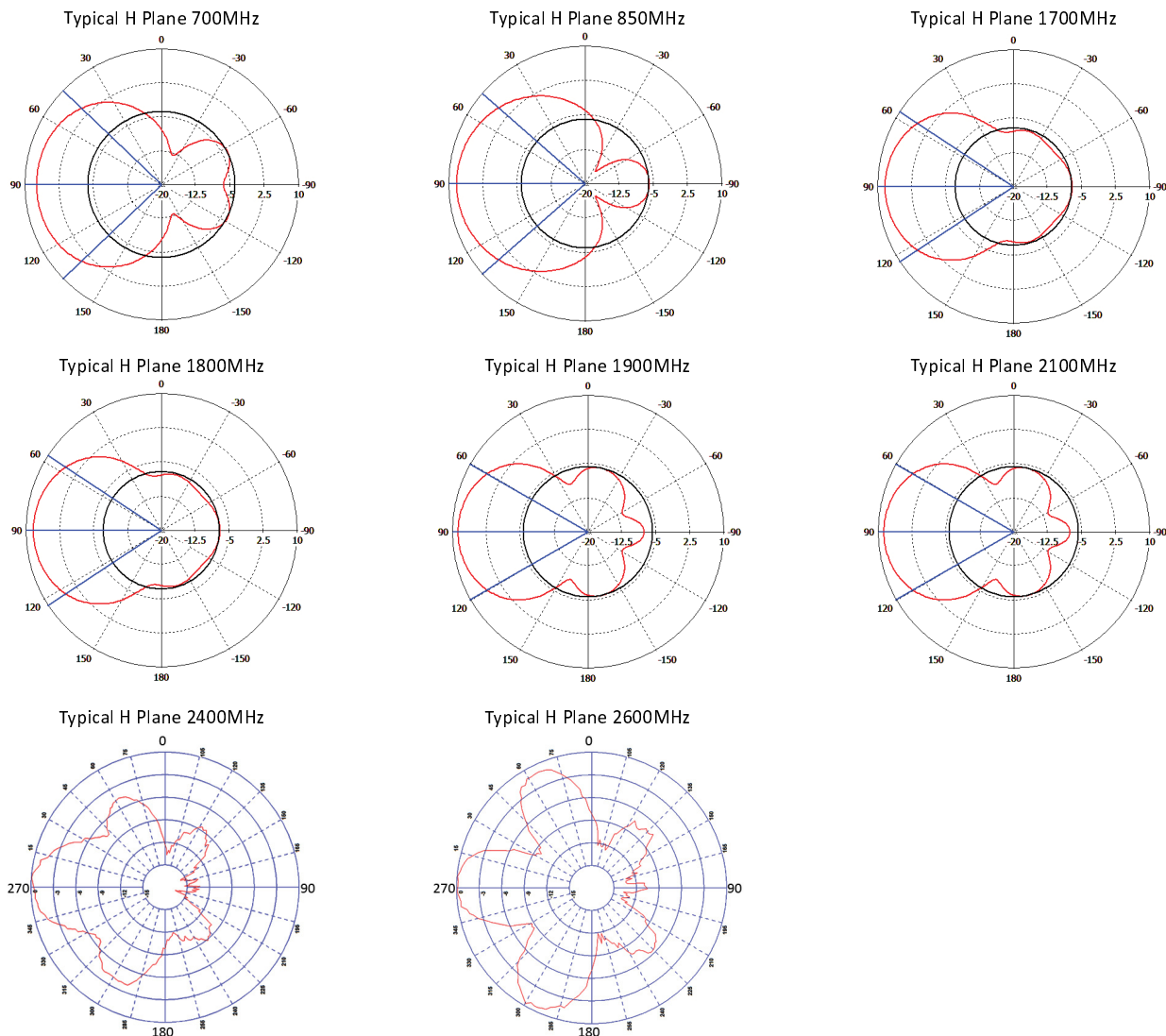
### Technical Drawing



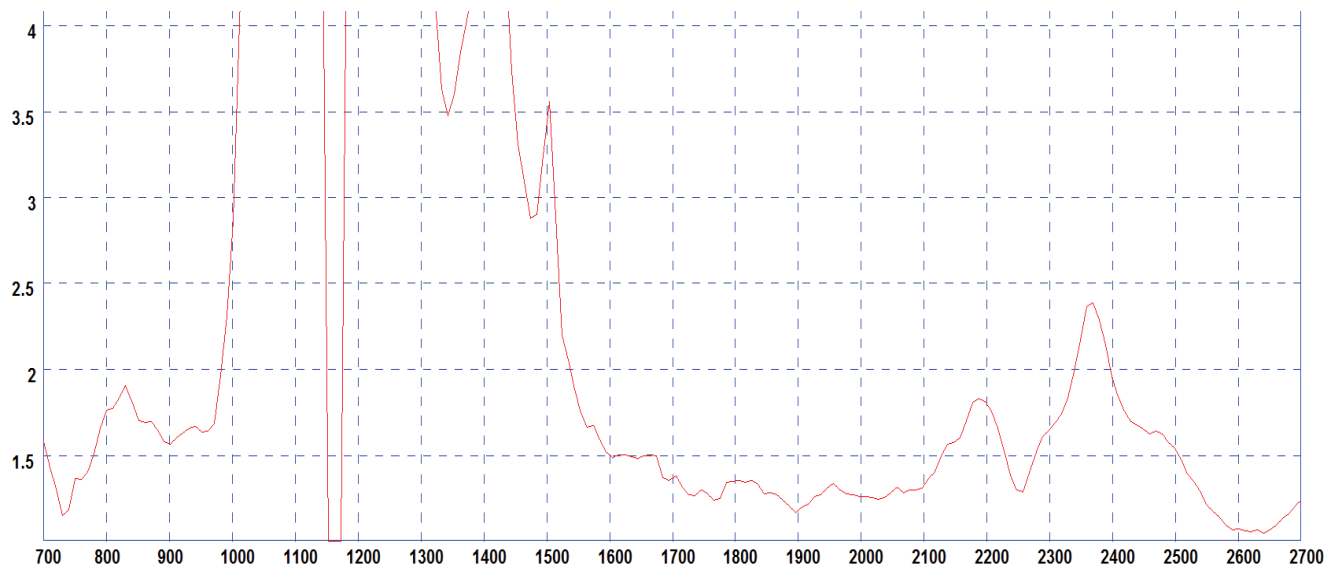
# In Building Antennas

## Low PIM Directional Antenna

### Polar radiation plots



### Typical VSWR



\*Measurements taken looking directly into N connector on antenna housing.

# In Building

## Low PIM Directional Antenna

<b>Part No.</b>		WM8-BADEP3G-26-NJ
<b>Electrical Data</b>		
Frequency Range (MHz)		698-960, 1710-2700
Operational Band		LTE700, AMPS 850, CDMA 800, GSM1800, PCS1900, 3G UMTS, AWS, WIFI, LTE 2.6
Peak Gain: Isotropic	LTE 700MHz, AMPS800 & GSM900	6.5dBi
	GSM1800, PCS1900, 3G UMTS / AWS 2100	9dBi
	WIFI 2400, LTE 2600	6dBi
VSWR		<2.5:1
Polarisation		Vertical
Pattern		Directional
Typical Passive intermod. (2x20W, 3rd ord.) dBc*		-140
SAR and 'Touch Safe' Test Data		According to 50385:2002 (Bands: 850, 900, 1800, 2100, 2600MHz)
Impedance		50Ω
Max Input Power (W)		50
<b>Mechanical Data</b>		
Dimensions (mm)	Height	230mm (9.05")
	Width	180mm (7.08")
	Length	94mm (3.7")
Operating Temp (°C)		-30° / +70°C (-22° / 158°F)
Material		PC/ASA
Colour		White
<b>Connector Data</b>		
Type		N Socket
<b>Mounting Data</b>		
Fixing		Pole Mount / Wall Mount
Pole Diameter		20-50 mm (0.8 - 1.96")

\*Range PIM performance verified under controlled conditions by Anritsu PIM Master test equipment.

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