



# Omni Directional Blade Antenna

Penta Band 110mm x 22mm x 5 mm. Pulse Part Numbers: W1920G0915 / W1920G3658



## Features

- Compact size W x L x H (110 x 22 x 5 mm)
- Connector – SMA Male
- Cable type RG-174
- Other Cable lengths and Connector variations available on request
- Adhesive option
- Cable length 3 feet and 12 feet
- RoHS Compliant Product

## Applications

- Frequency range (850/900/1800/1900/2100)

## Electrical specifications @ +25 °C

*Measured in free space*

	DCS-PCS	SMR-AMPS-GSM
Frequency [MHz]	1710-2170	824-960
Nominal Impedance [ $\Omega$ ]	50	50
Peak Gain [dBi Avg]	1.5	1
Efficiency [% Avg]	60	50
Radiation Pattern	Omni-directional in the horizontal plane	
Polarization	Vertical	
Power Withstanding [W]	3	

## Mechanical and Environmental Characteristics

Plastic radome	Thermoplastic Elastomer (TPE)
Color	Black
Weight	29.0 g 3' Cable / 65.0 g 12' Cable
Overall length	110 x 22 x 5 mm 4.33 x .87 x .20 inches
Mounting system	Adhesive tape
Operating temperature	-30/+60°C

Antenna Part No.	W1920G0915	W1920G3658
Connector	SMA Male	
Cable Length	915 mm / 3 ft	3658 mm / 12 ft
Cable Type	RG174 Black	

### Pulse Finland Oy

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90440 Kempele, Finland  
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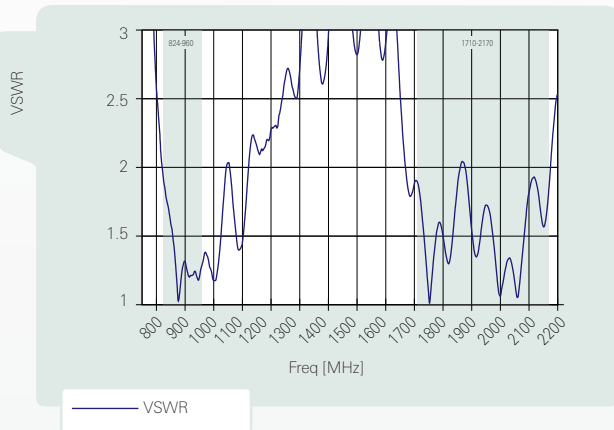


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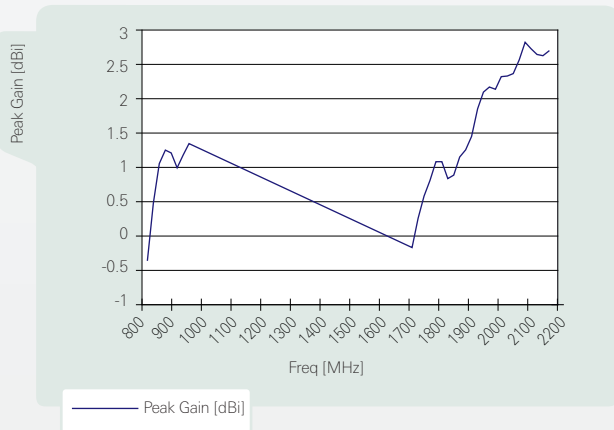
## VSWR

W1920 With 3' RG-174 & SMA 10/19/09, S11 Parameter



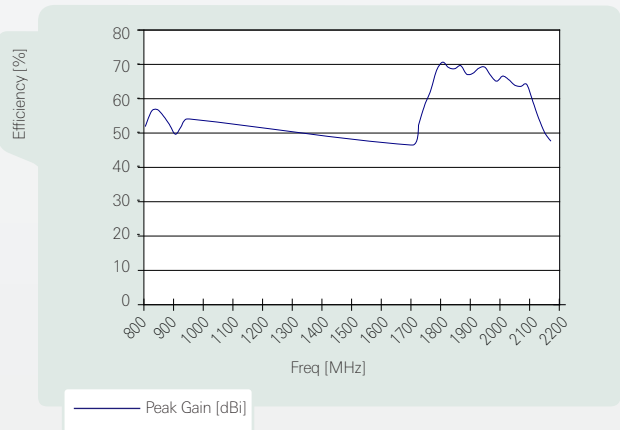
## Peak Gain vs Frequency

W1920 Penta band Stealth blade, Concept prototype  
Measured at Pulse, USA - Aug 12, 2009



## Efficiency vs Frequency

W1920 Penta band Stealth blade, Concept prototype  
Measured at Pulse, USA - Aug 12, 2009



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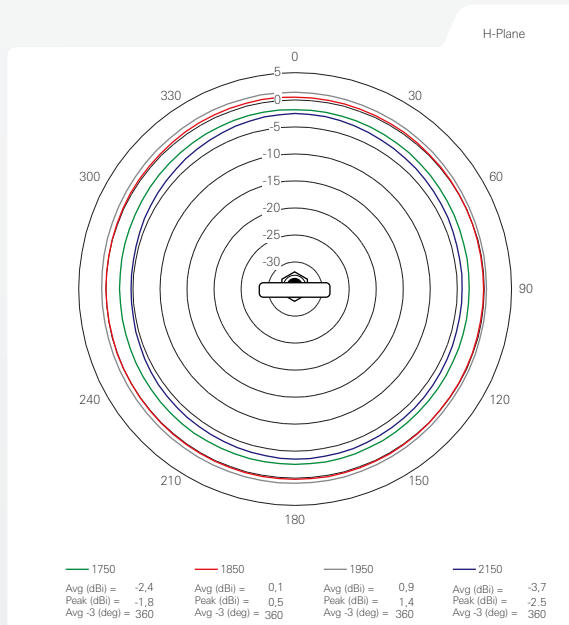
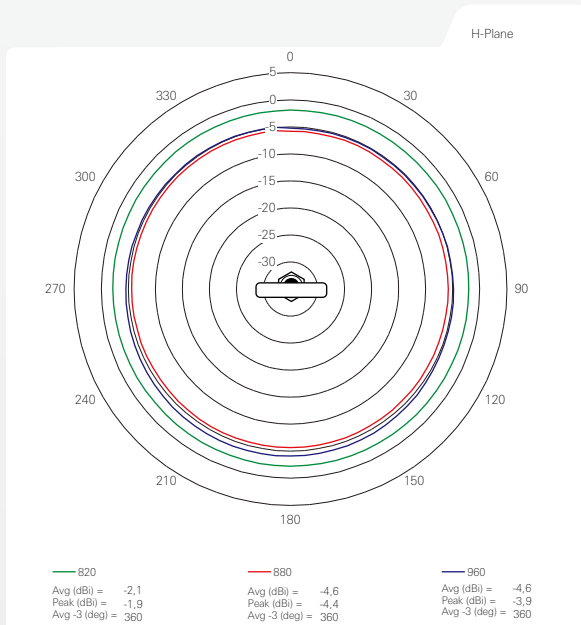
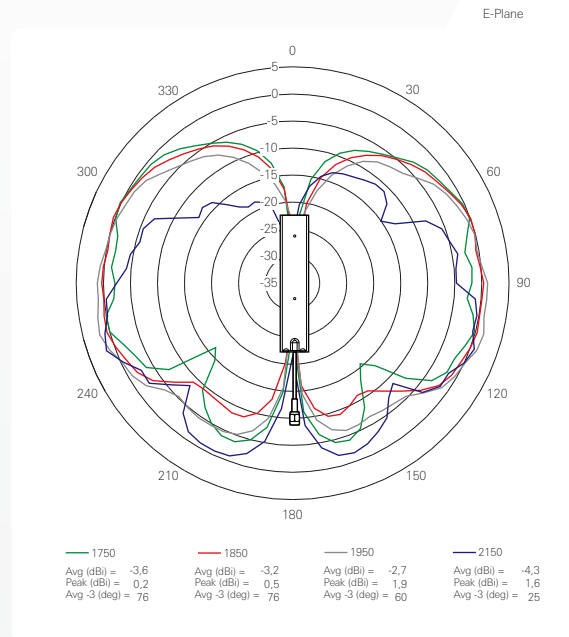
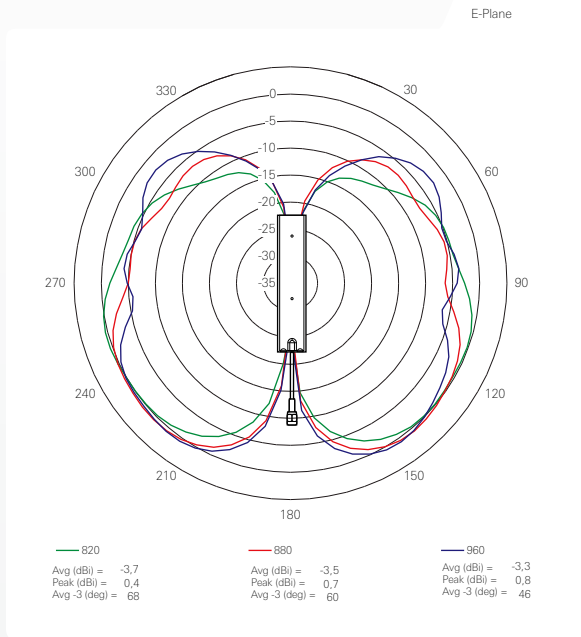
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## Curves

Antenna measures with 4" (102 mm) cable



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