



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 [Ω]	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

Takatie 6
90440 Kempele, Finland
Tel: +358 207 935 500
Fax: +358 207 935 501
www.pulseeng.com/antennas



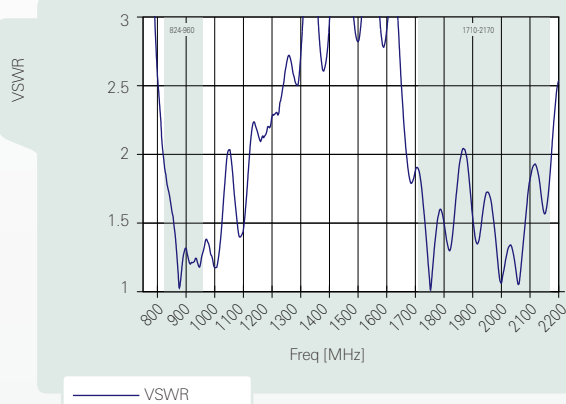
Omni Directional Blade Antenna

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



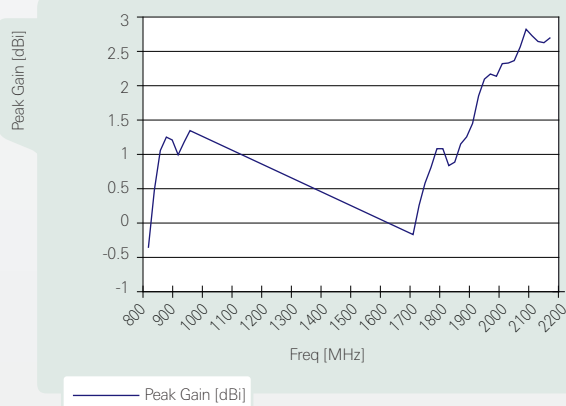
VSWR

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



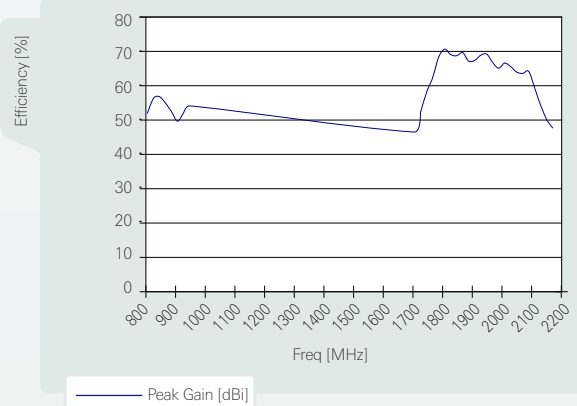
Peak Gain vs Frequency

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



Pulse Finland Oy

Takatie 6
90440 Kempele, Finland
Tel: +358 207 935 500
Fax: +358 207 935 501

www.pulseeng.com/antennas



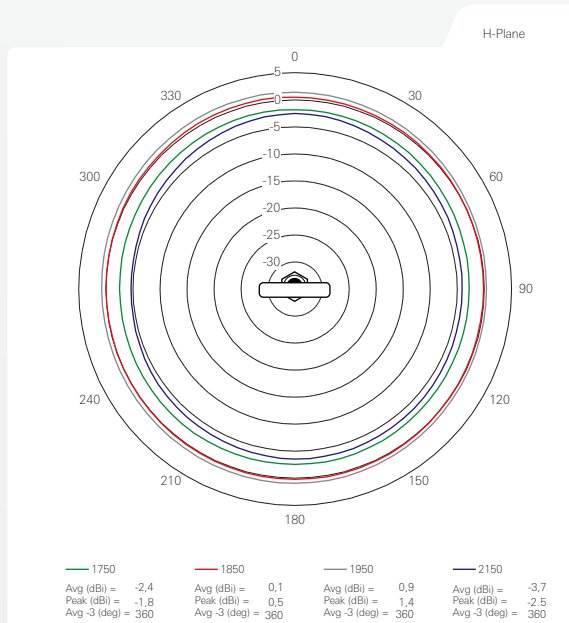
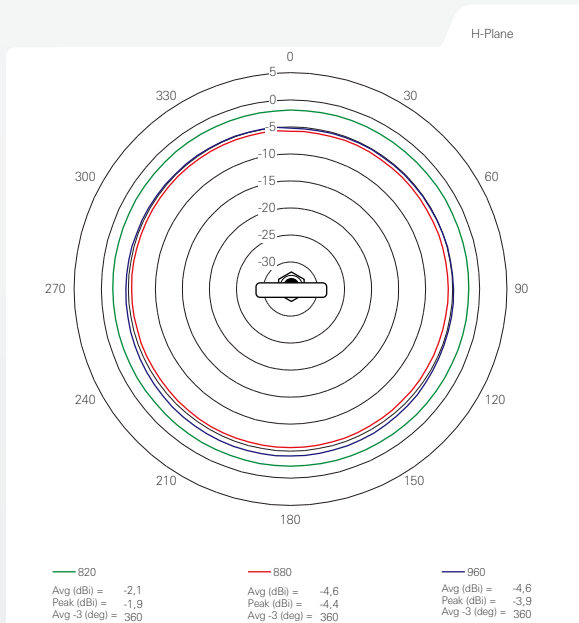
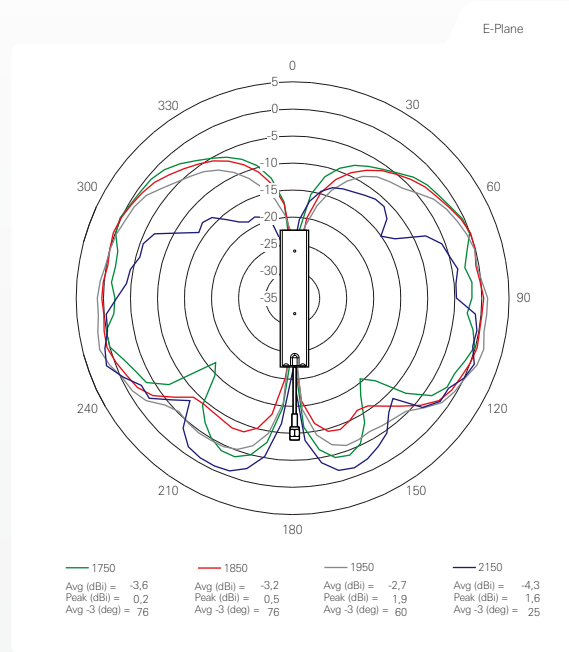
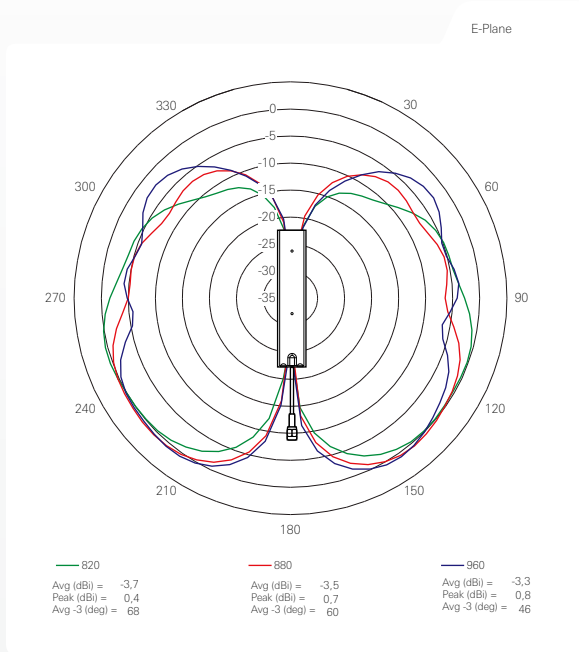
Omni Directional Blade Antenna

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



Curves

Antenna measures with 4" (102 mm) cable



Pulse Finland Oy

Takatie 6

90440 Kempele, Finland

Tel: +358 207 935 500

Fax: +358 207 935 501

www.pulseeng.com/antennas



© 2010. All Rights Reserved.