



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



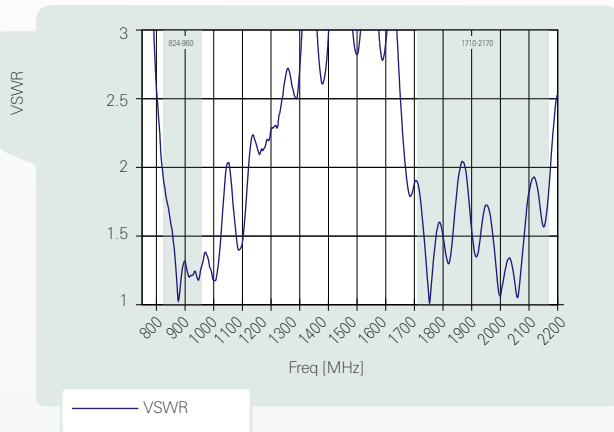
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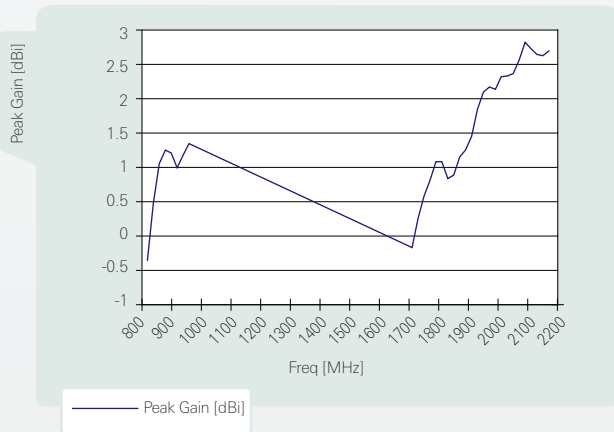
VSWR

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



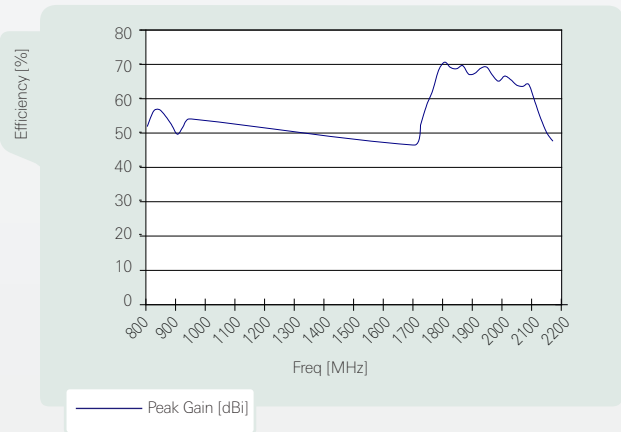
Peak Gain vs Frequency

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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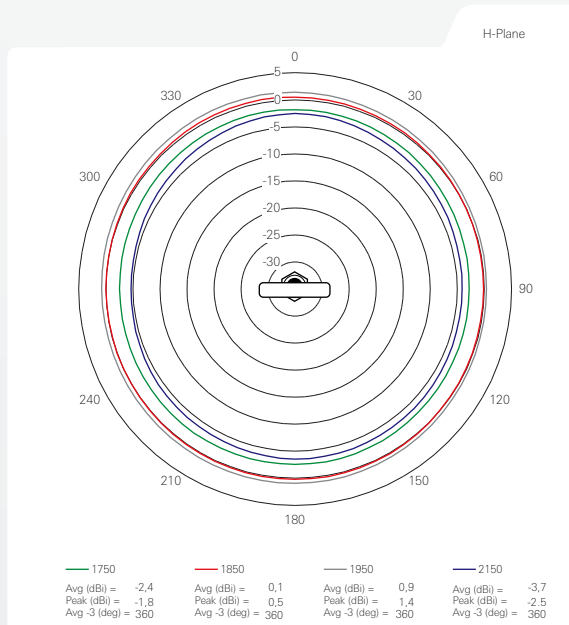
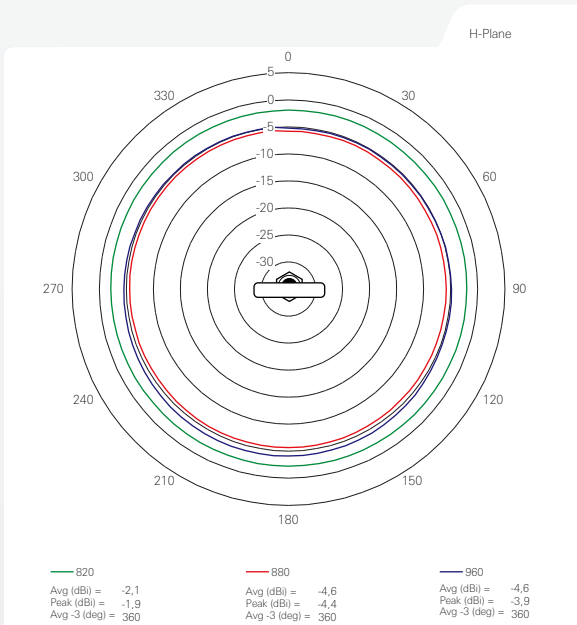
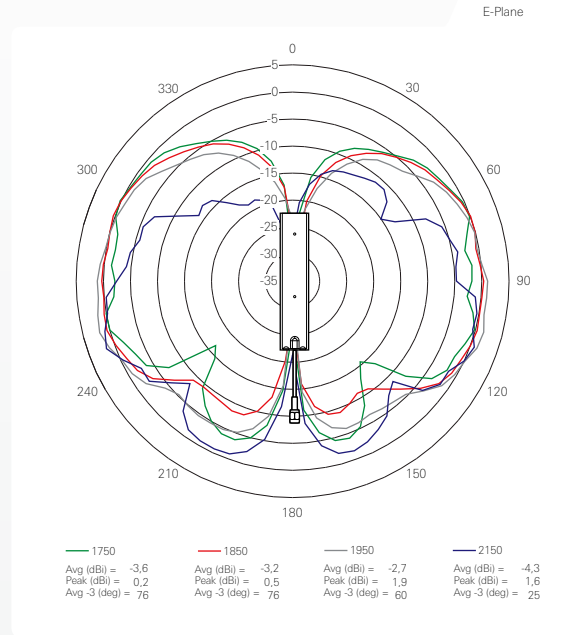
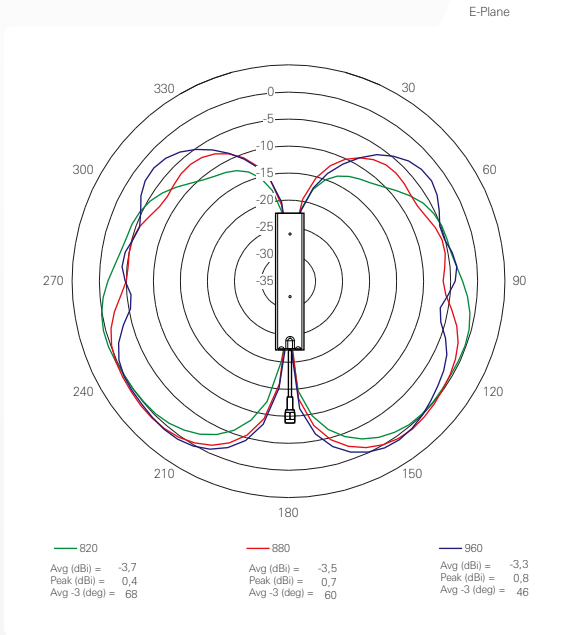
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Curves

Antenna measures with 4" (102 mm) cable



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