

Series: Blade Antenna**TECHNICAL DATA SHEET****Description: MULTI BAND SWIVEL MOUNT DIPOLE
617-960&1430-7125MHz****PART NUMBER: W5150****Features:**

- 617-7125MHz
- Gain 0~8dBi
- IP65
- Total length 229mm (straight)
- Total length 197.5mm (bent)
- Width 30.5mm
- Connector options:
 - SMA male

Applications:

- 5G NR FR1 radio systems
- LTE radios
- 2G/3G/4G radios
- Gateways, set top boxes, security
- Optimized for straight and 90deg bent positions

Issue: 2134

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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For more information:

Pulse Worldwide Headquarters

15255 Innovation Drive #100

San Diego, CA 92128

USA

Tel:1-858-674-8100

Pulse/Larsen Antennas

18110 SE 34th St Bldg 2 Suite 250

Vancouver, WA 98683

USA

Tel: 1-360-944-7551

Europe Headquarters

Pulse GmbH & Do, KG

Zeppelinstrasse 15

Herrenberg, Germany

Tel: 49 7032 7806 0

Pulse (Suzhou) Wireless Products Co, Inc.

99 Huo Ju Road(#29 Bldg,4th Phase

Suzhou New District

Jiangsu Province, Suzhou 215009 PR China

Tel: 86 512 6807 9998



Series: Blade Antenna**Description: MULTI BAND SWIVEL MOUNT DIPOLE
617-960&1430-7125MHz****PART NUMBER: W5150****ELECTRICAL SPECIFICATIONS**

Frequency	617-960/1430-7125 MHz
Nominal Impedance	50 Ω
Return Loss (dB)	-5
Gain (617-960MHz)	1.2 dBi+/- 1.2dB
Gain (1430-3500MHz)	2.5 dBi+/- 1.5dB
Gain (3500-7125MHz))	5.5 dBi+/- 3.5dB
Average Efficiency(617-960MHz)	45 %
Average Efficiency(1430-3500MHz)	65 %
Average Efficiency(3500-7125MHz)	70 %
Horizontal Plane	OMNI
Polarization	Vertical
Power withstanding	3 W
Connector Options	SMA male connector

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Series: Blade Antenna

TECHNICAL DATA SHEET

**Description: MULTI BAND SWIVEL MOUNT DIPOLE
617-960&1430-7125MHz**

PART NUMBER: W5150

MECHANICAL SPECIFICATIONS

Plastic radome	ABS/PC
Color	Black
Flammability	UL94-V0
Ingress Protection	IP65
Weight	56.8 g
Overall Length	228.84[9.01] mm [INCHES]
Position	0°, 45° & 90°

ENVIRONMENTAL SPECIFICATIONS

Operating temperature range	-40/+85 ° C
Non-operating temperature range	-40/+85 ° C
Temperature Shock	3 CYCLES, -25°C TO +70°C AT 5° PER MIN
Humidity	
Cyclic	Mil-Std-810 Method 507.3, Procedure III 5 cycles @ 95% RH
Vibration	
Random	5-500 Hz FREQ, MIL STD 810 G section 514.4
Mechanical Shocks	4.78 m/s
Drop test	1 meter, 10 times to tile

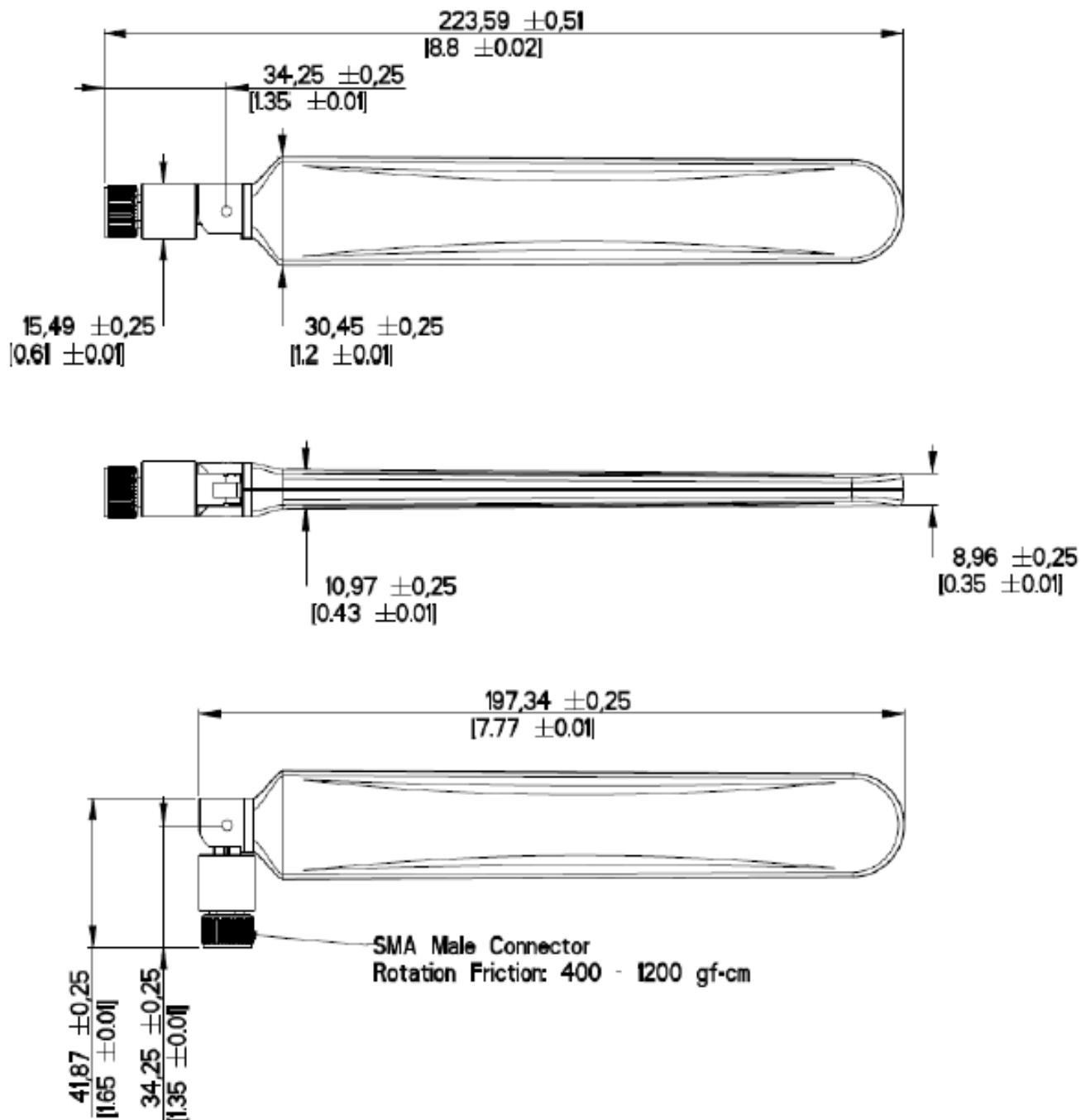
Issue: 2134

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**Description: MULTI BAND SWIVEL MOUNT DIPOLE
617-960&1430-7125MHz****PART NUMBER: W5150****MECHANICAL DRAWING****Issue: 2134**

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Series: Blade Antenna

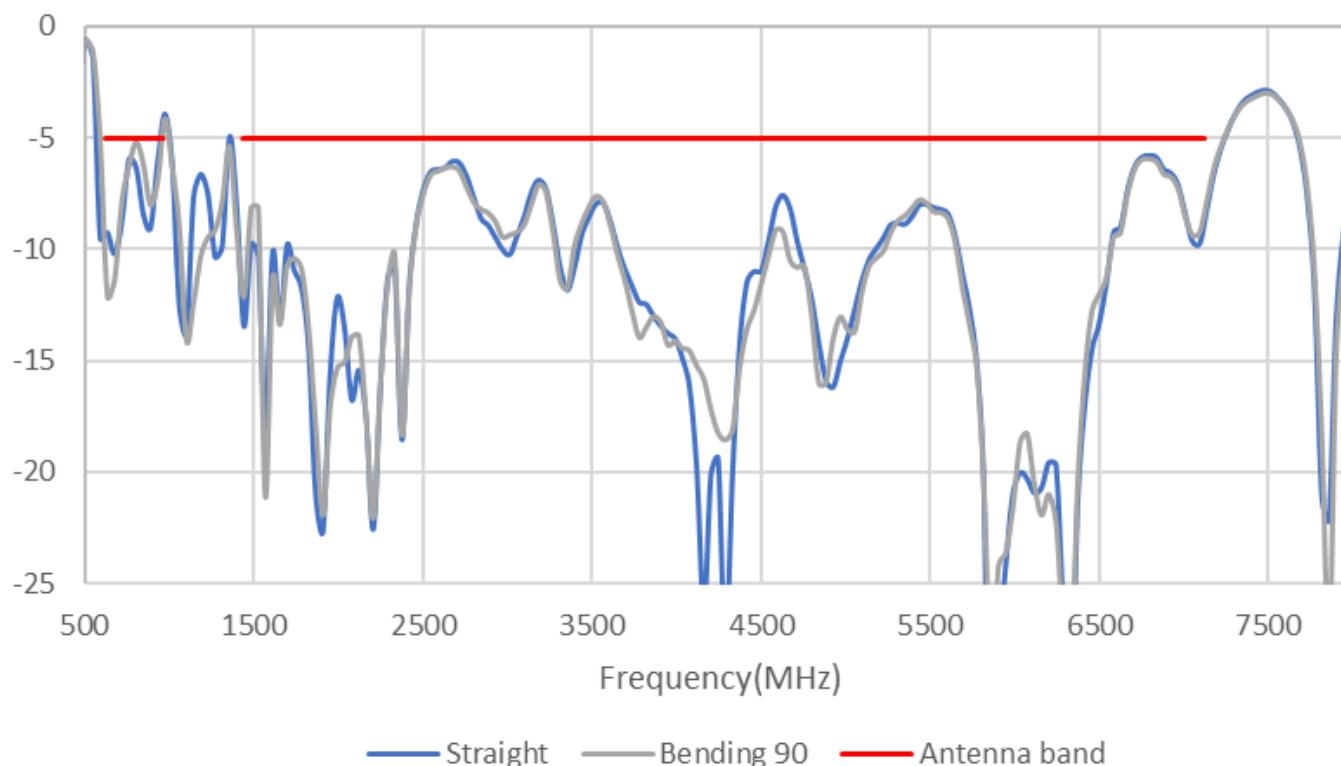
TECHNICAL DATA SHEET

**Description: MULTI BAND SWIVEL MOUNT DIPOLE
617-960&1430-7125MHz**

PART NUMBER: W5150

OTHER SPECIFICATIONS

W5150 Return Loss Vs Frequency



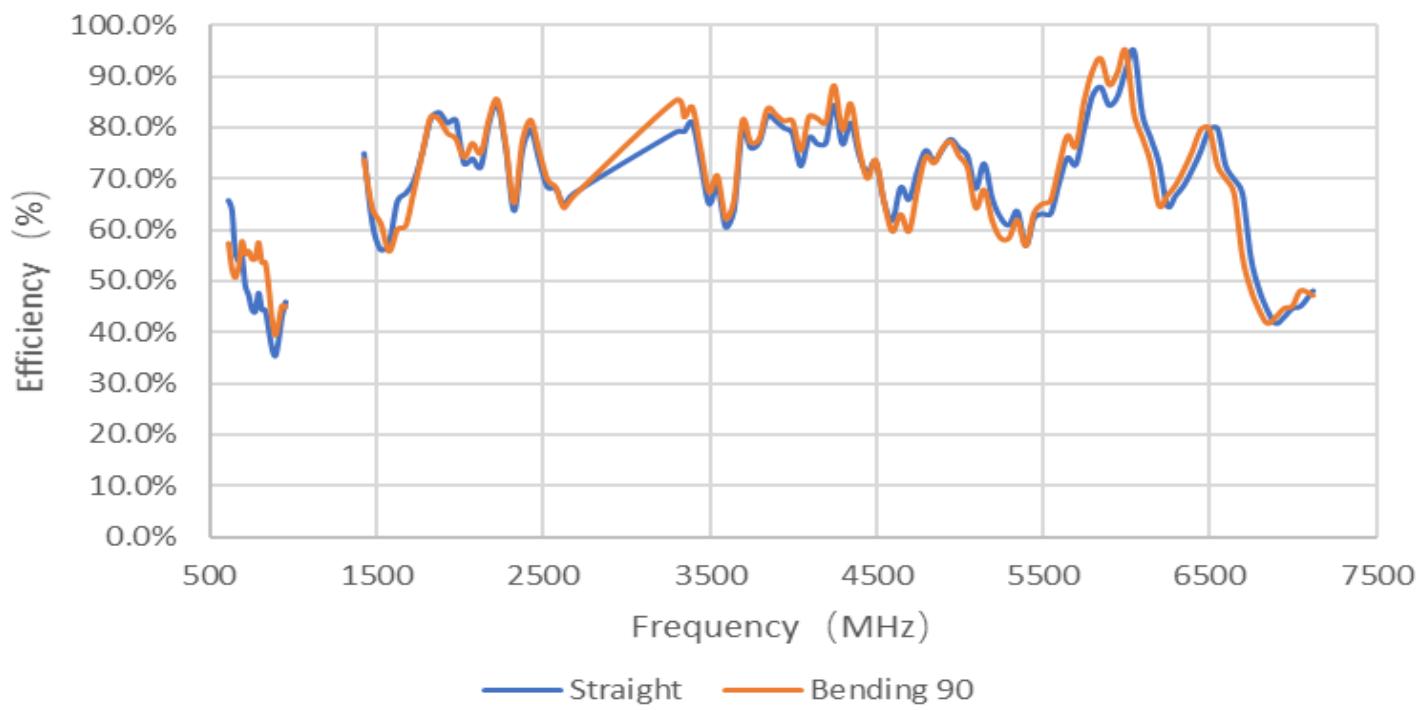
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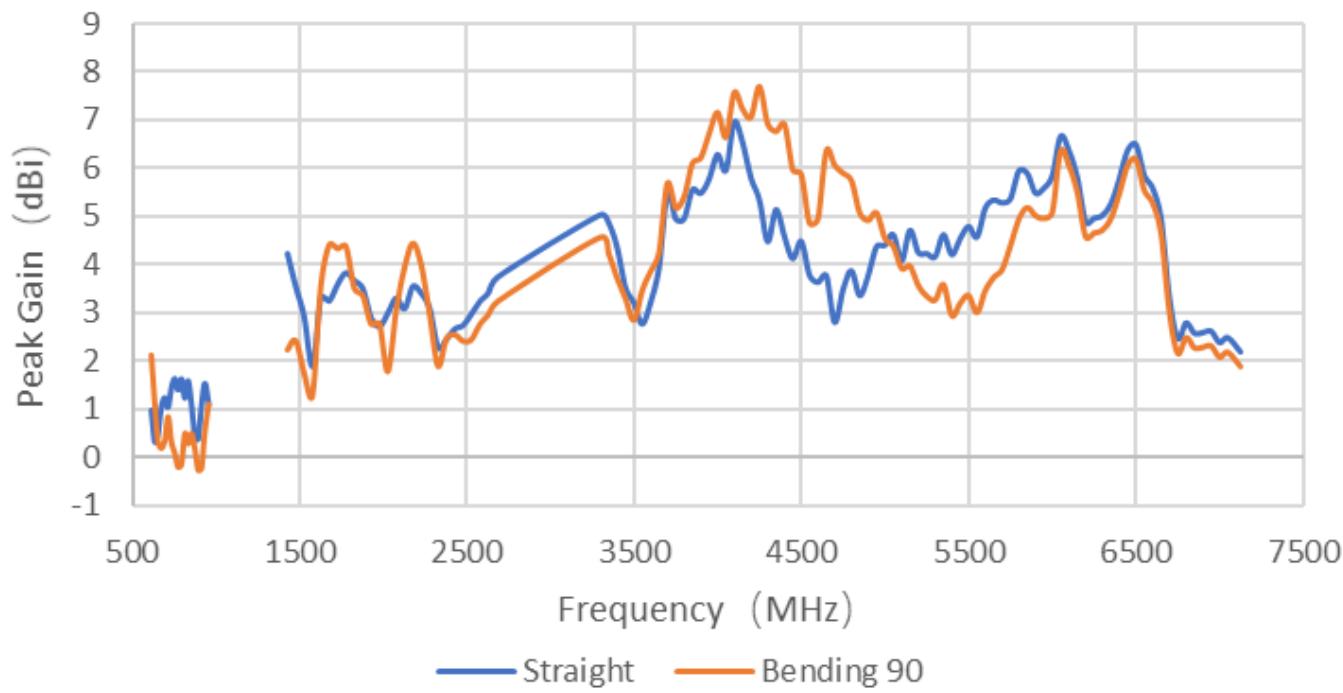
**Description: MULTI BAND SWIVEL MOUNT DIPOLE
617-960&1430-7125MHz****PART NUMBER: W5150****OTHER SPECIFICATIONS****Efficiency****W5150 Efficiency Vs Frequency****Issue: 2134**

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**Description: MULTI BAND SWIVEL MOUNT DIPOLE
617-960&1430-7125MHz****PART NUMBER: W5150****OTHER SPECIFICATIONS****Peak Gain****W5150 Gain Vs Frequency****Issue: 2134**

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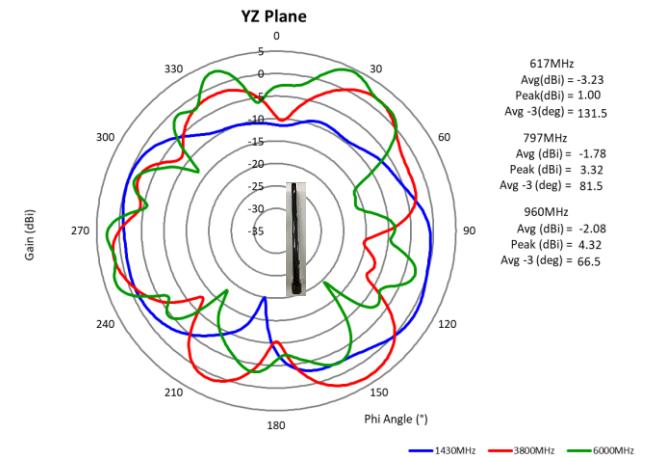
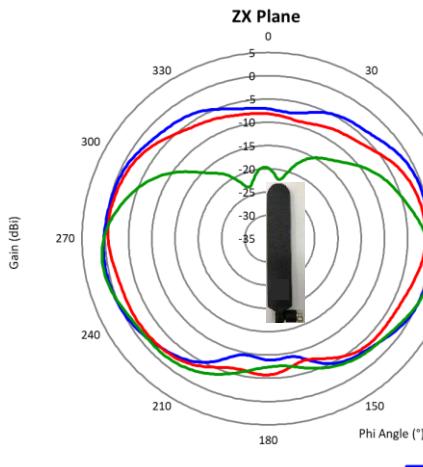
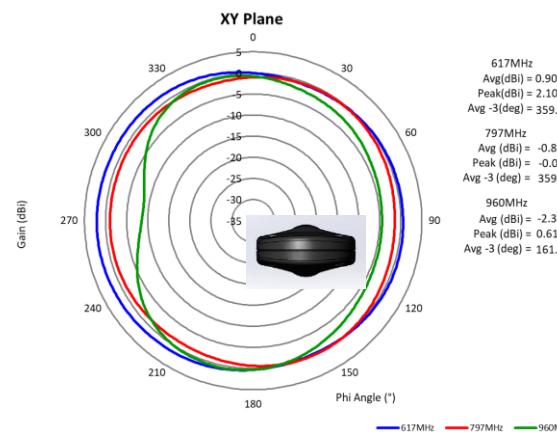
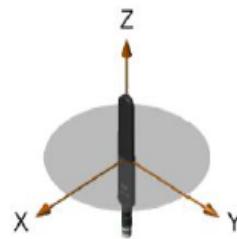
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617-960&1430-7125MHz**

PART NUMBER: W5150

CHARTS

Gain plots (bend)



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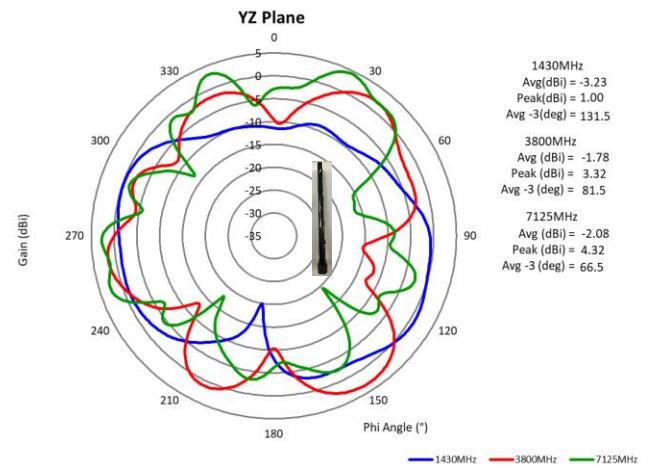
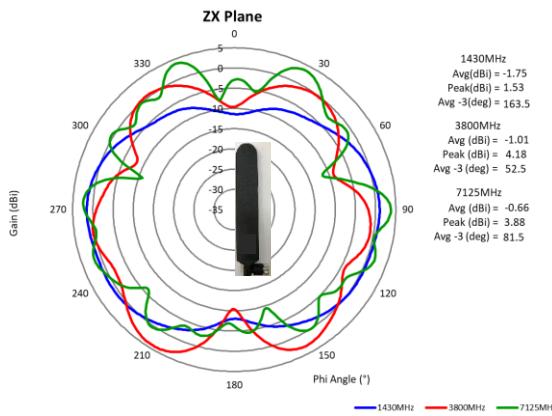
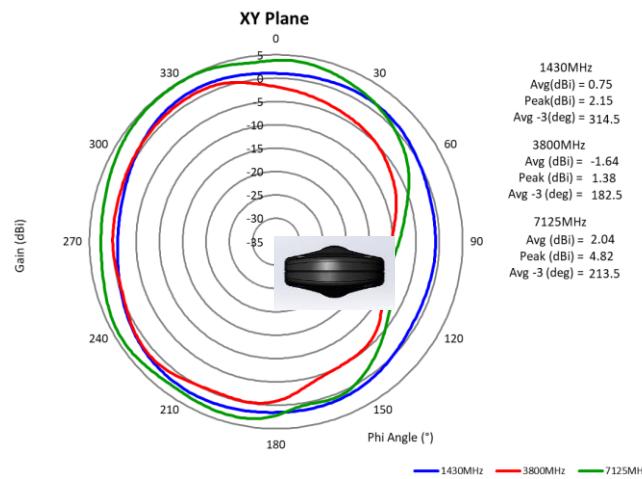
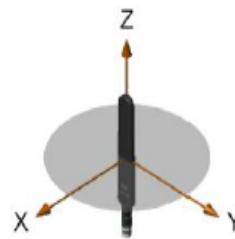
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CHARTS

Gain plots (bend)



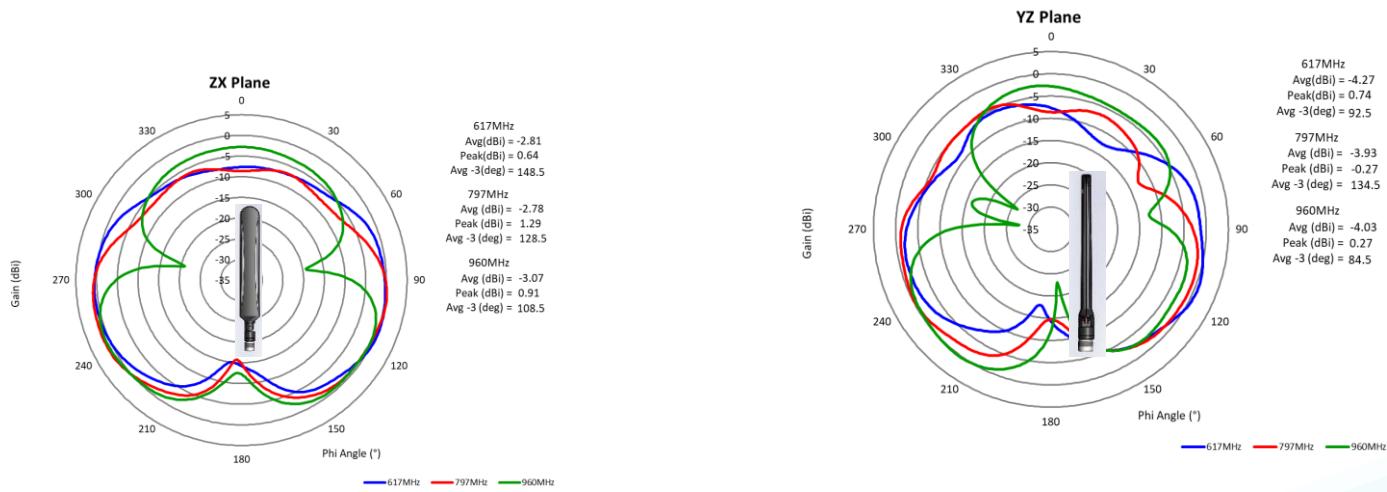
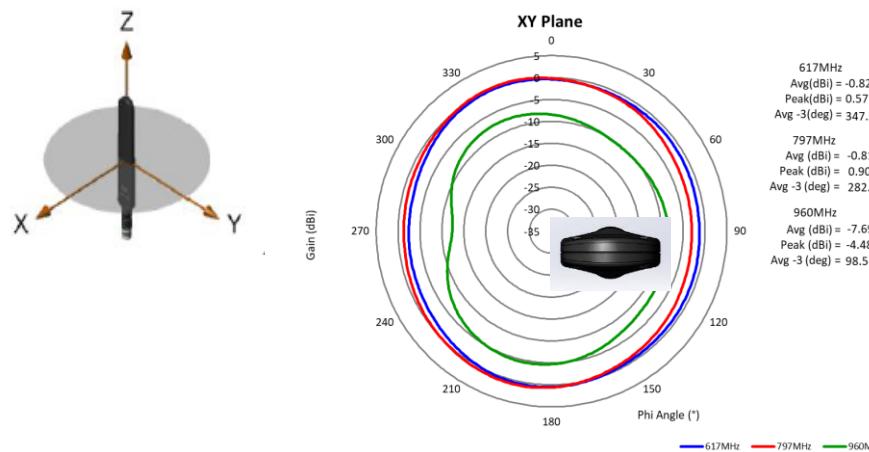
Series: Blade Antenna

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PART NUMBER: W5150

CHARTS

Gain plots (straight)



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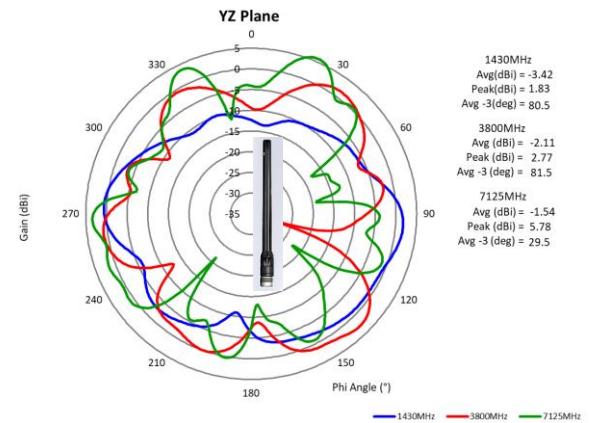
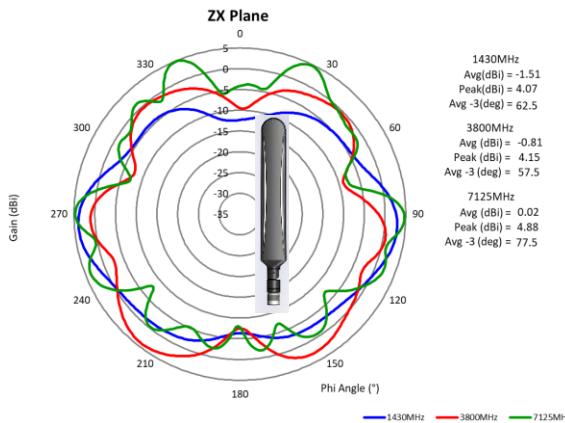
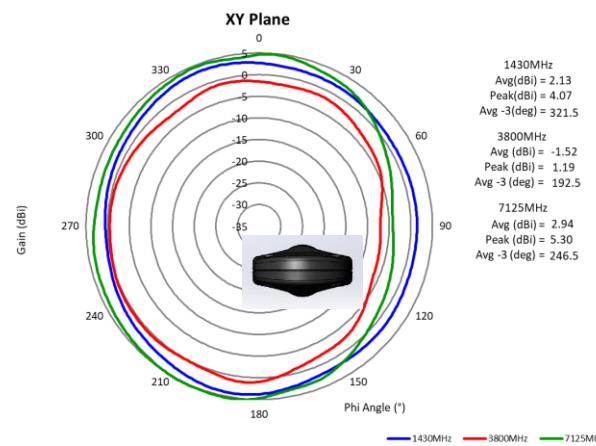
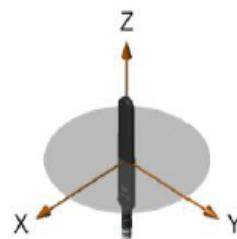
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CHARTS

Gain plots (straight)



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**Description: MULTI BAND SWIVEL MOUNT DIPOLE
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PACKAGING

1PCS/PE bag
100PCS/Carton box

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