

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

Series: Blade Antenna

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

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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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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

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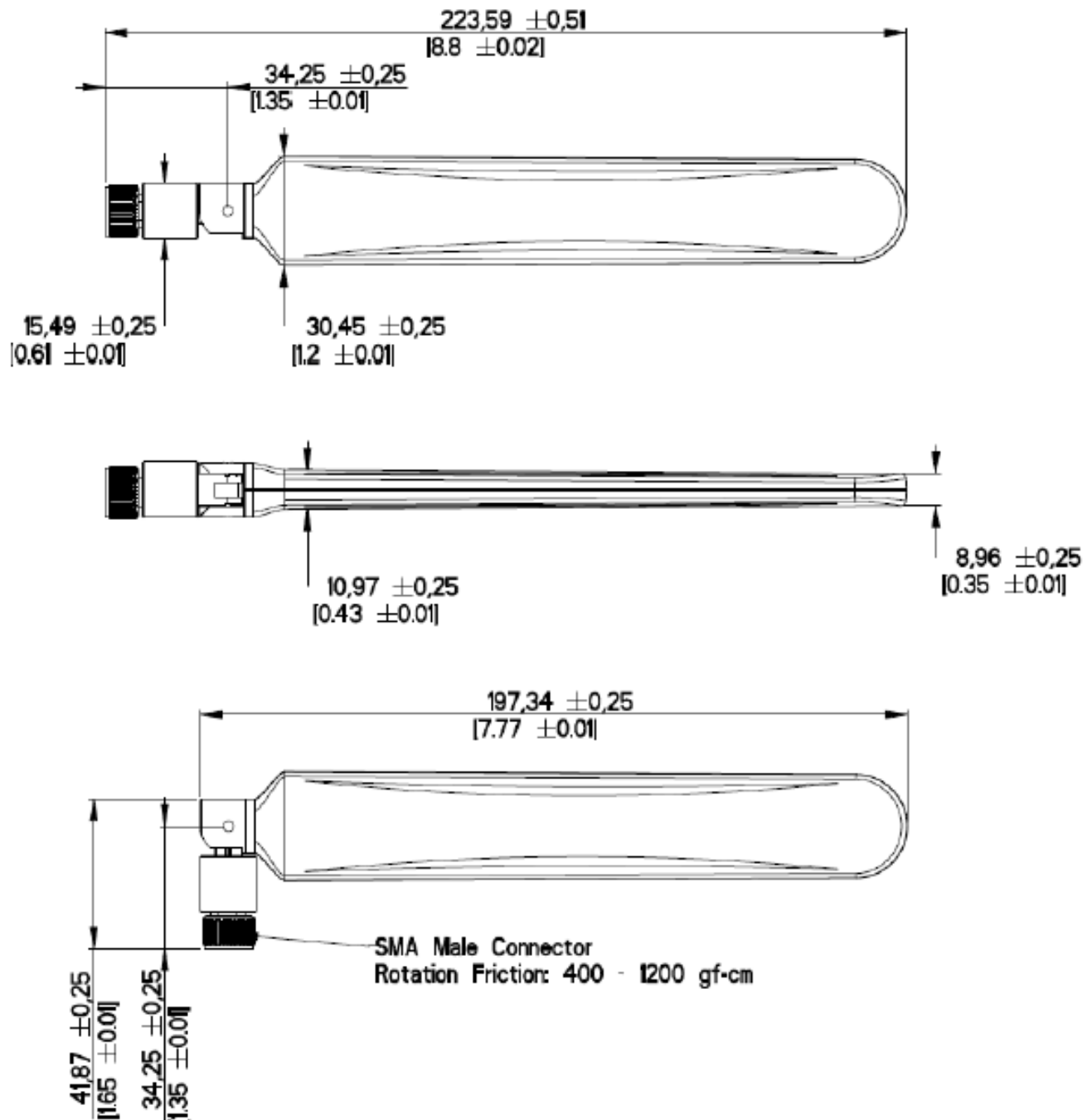
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MECHANICAL DRAWING



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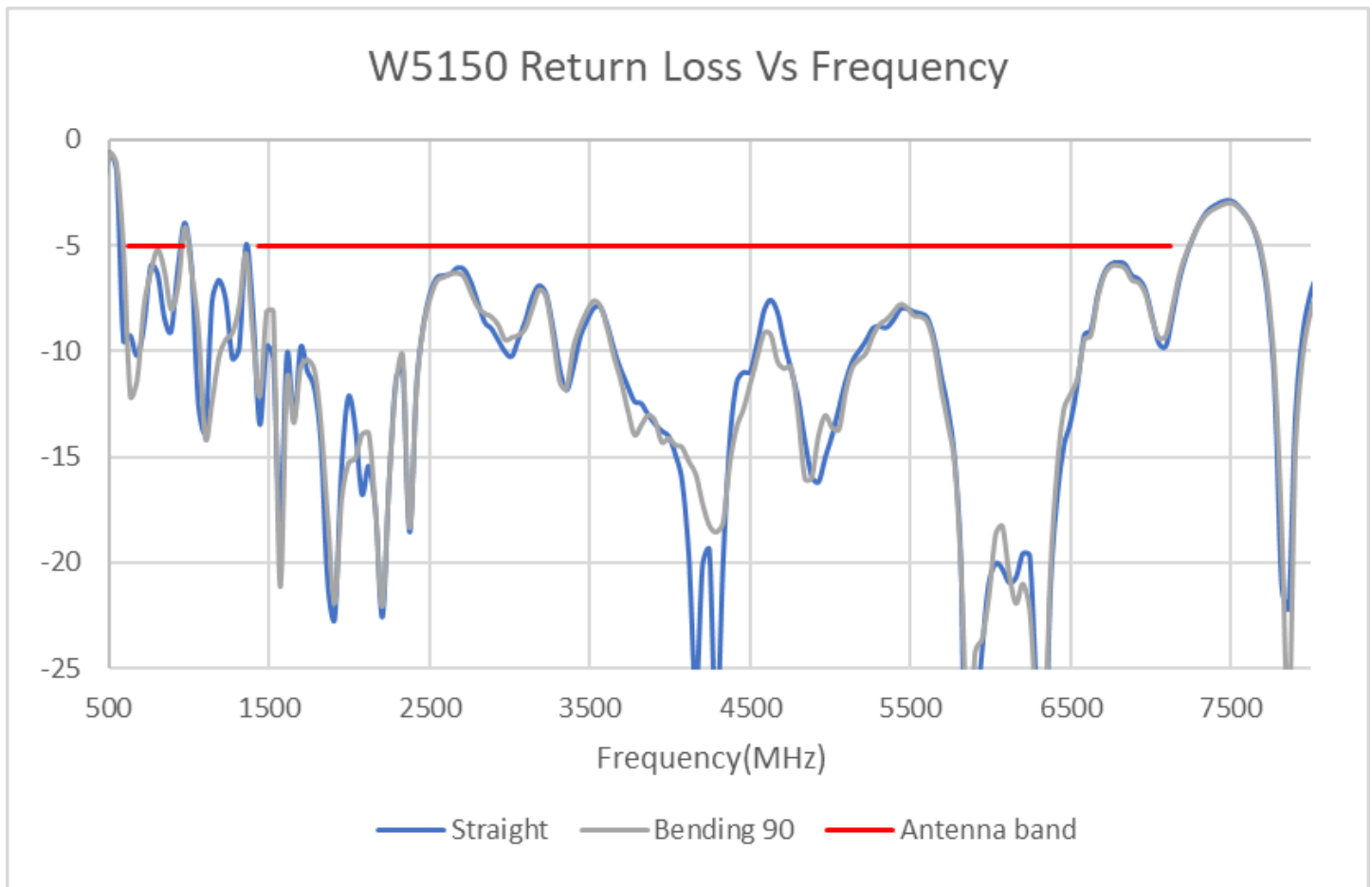
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OTHER SPECIFICATIONS



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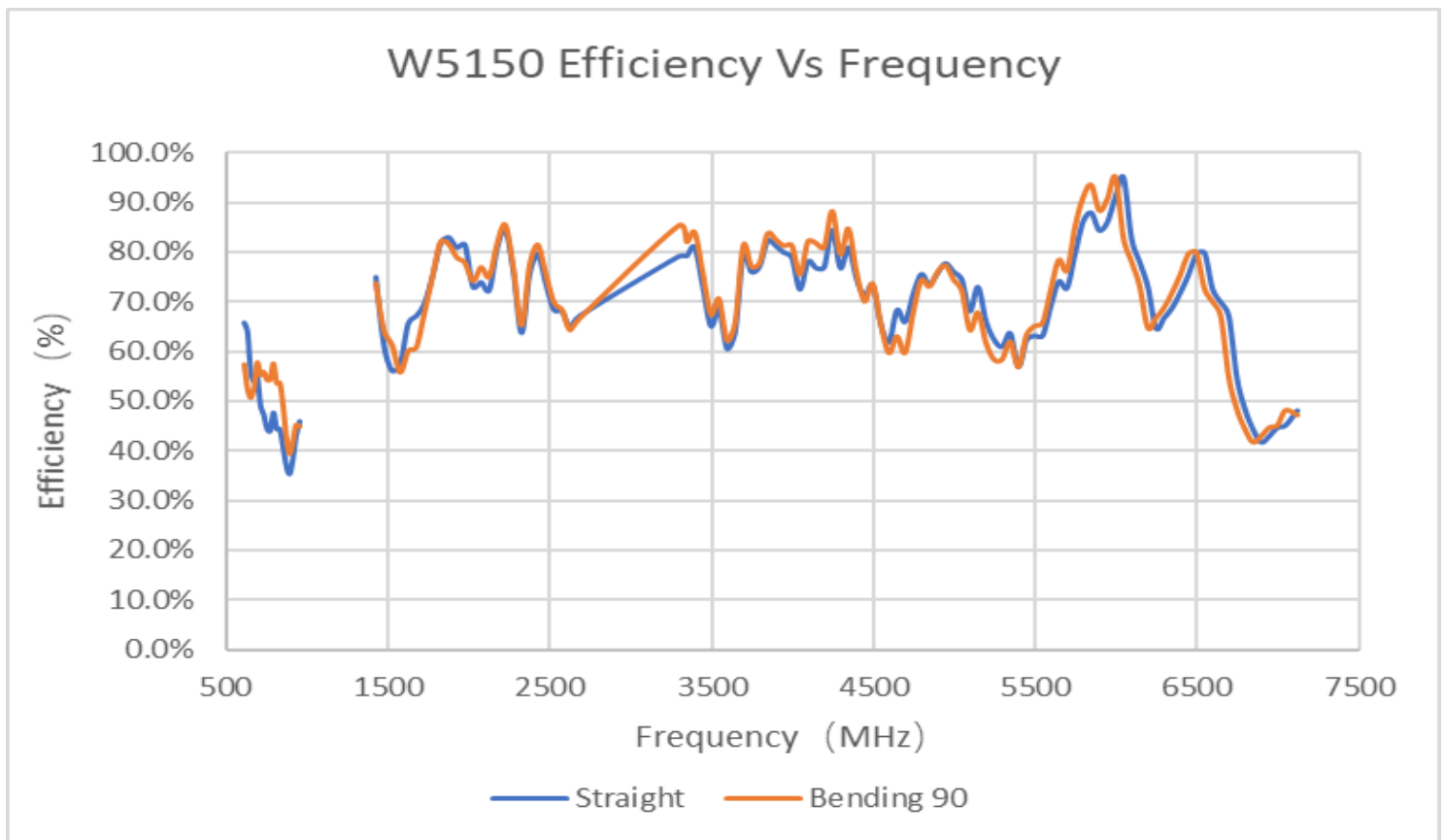
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OTHER SPECIFICATIONS

Efficiency



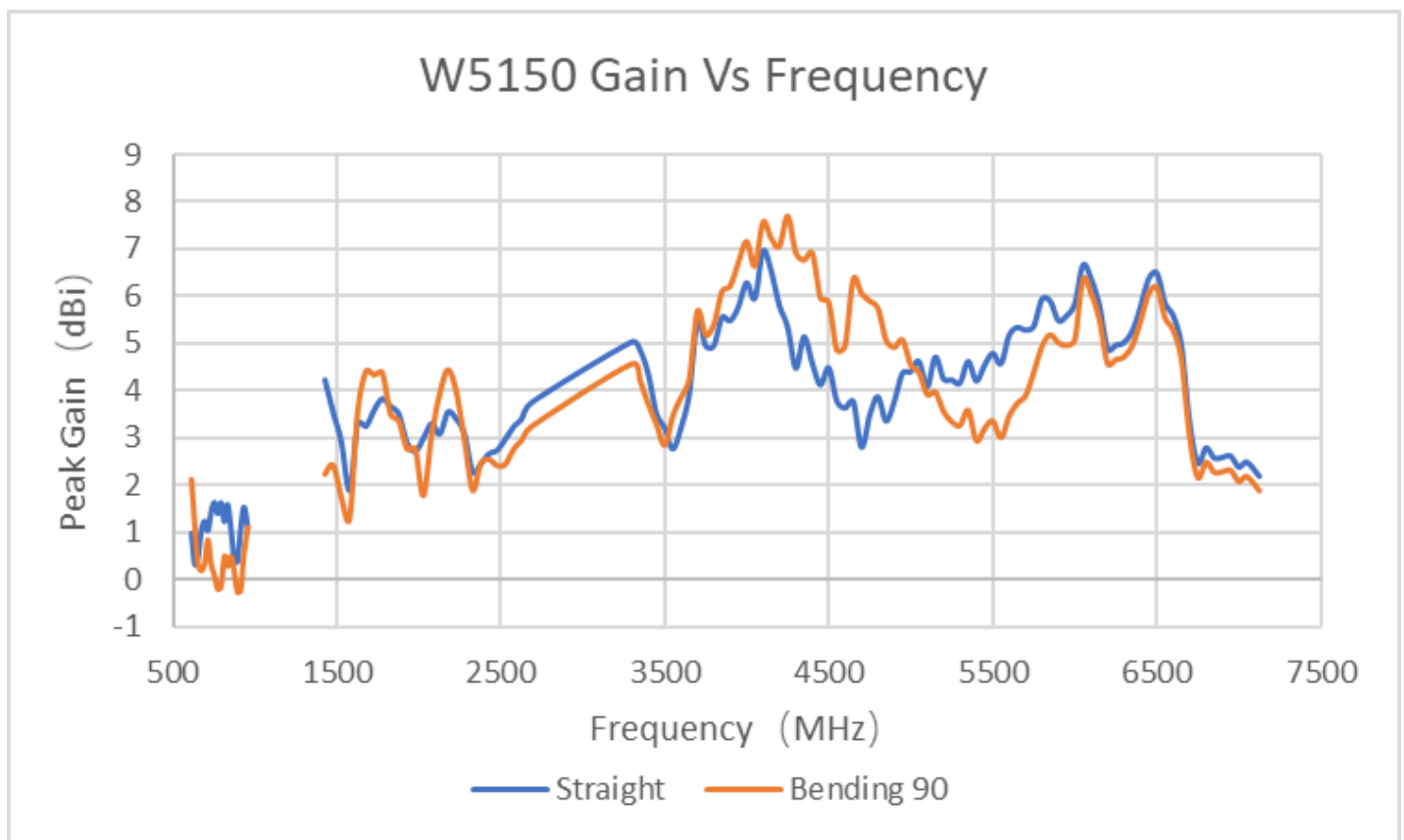
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OTHER SPECIFICATIONS

Peak Gain



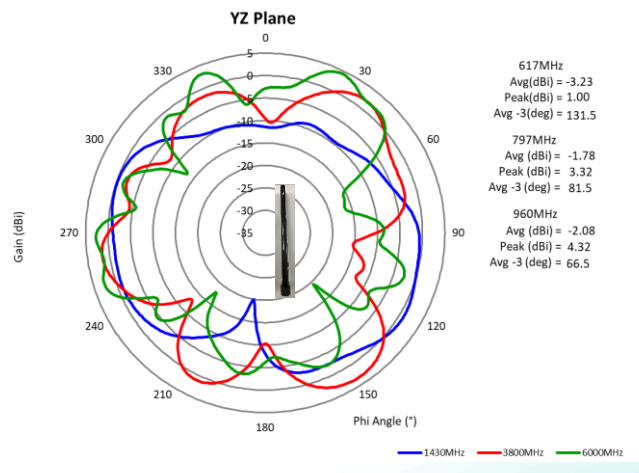
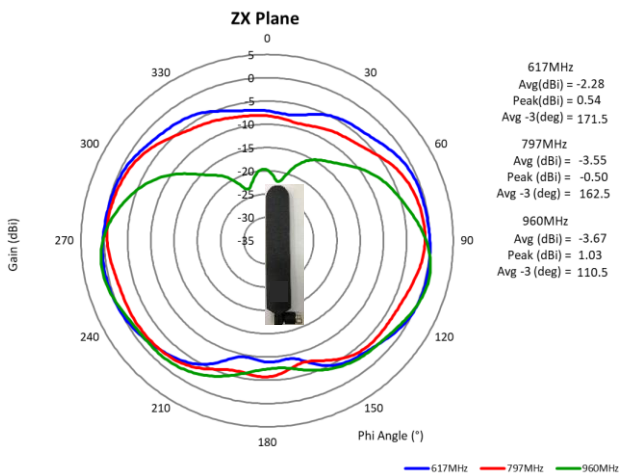
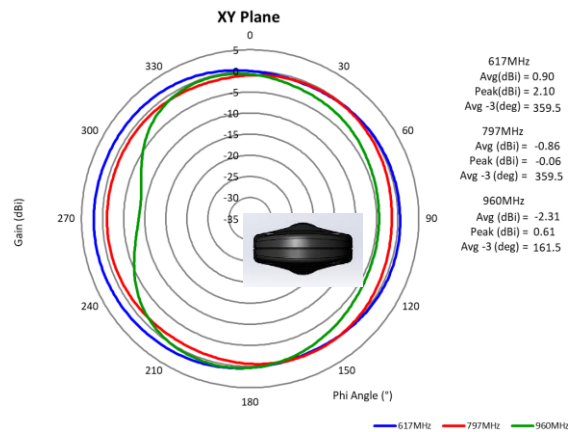
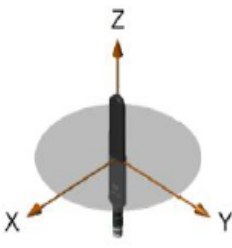
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CHARTS

Gain plots (bend)



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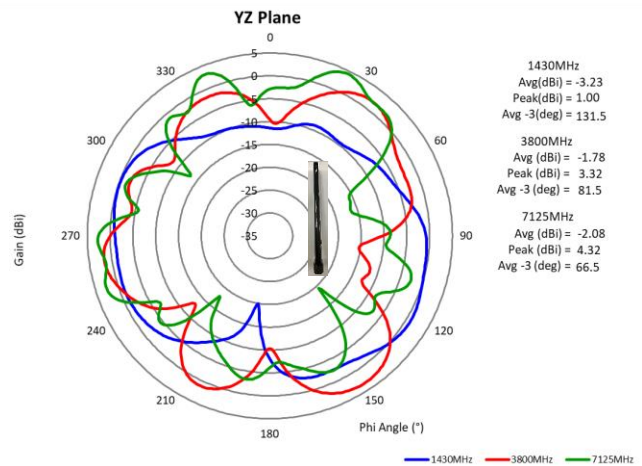
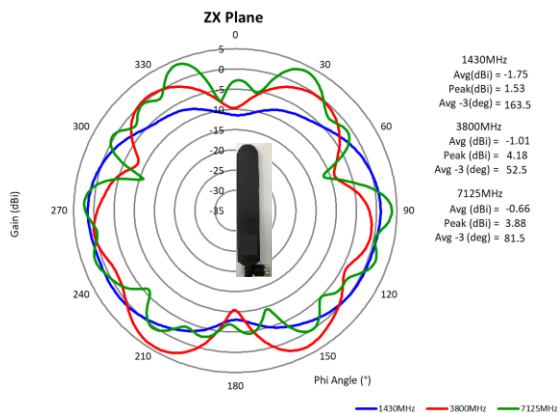
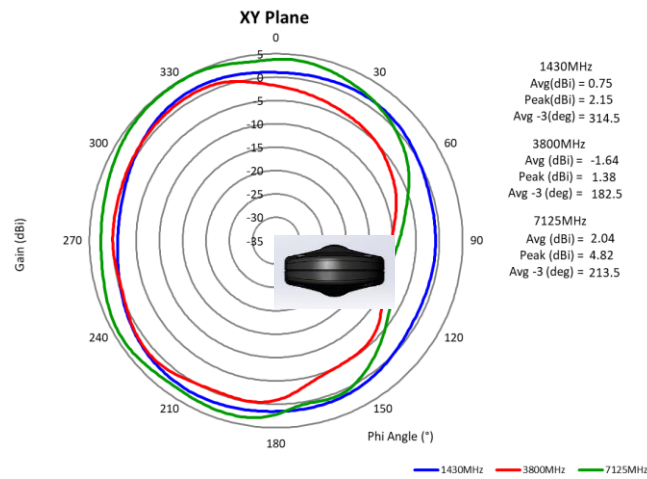
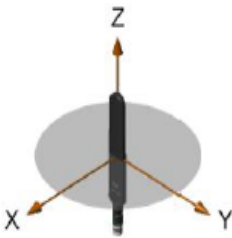
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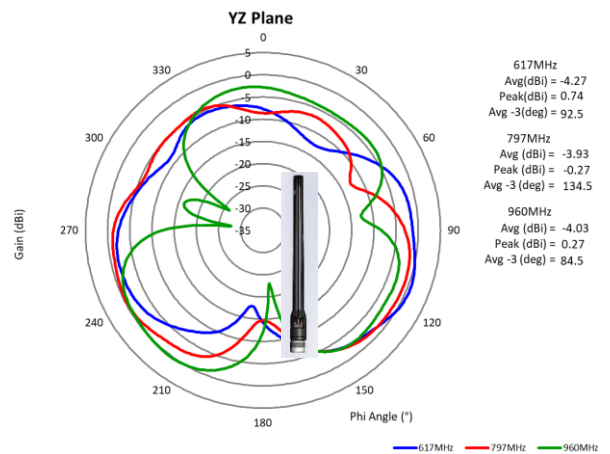
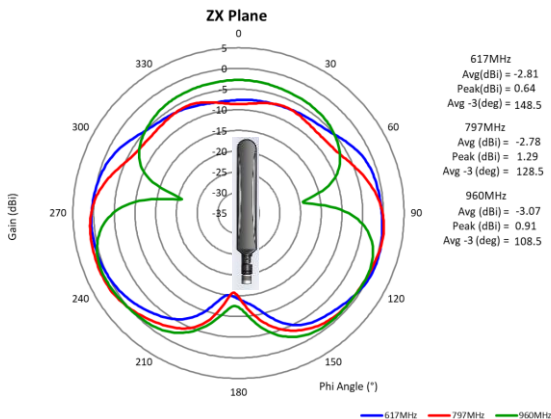
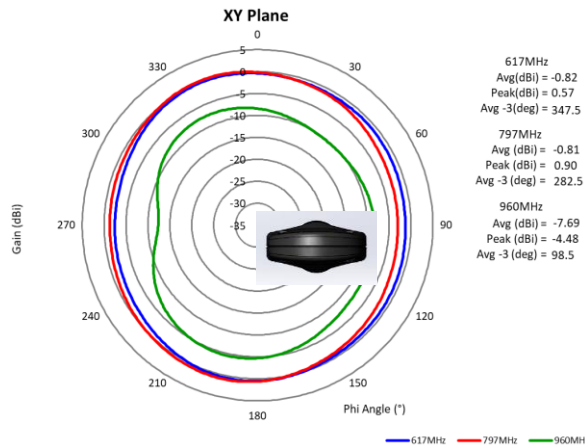
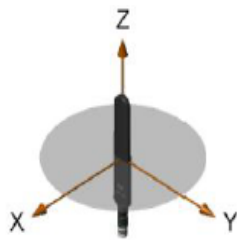
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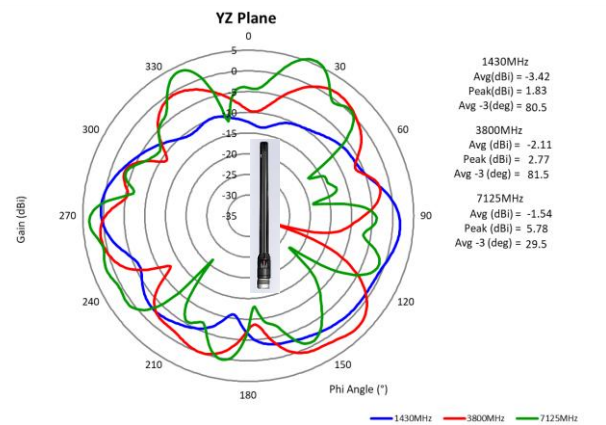
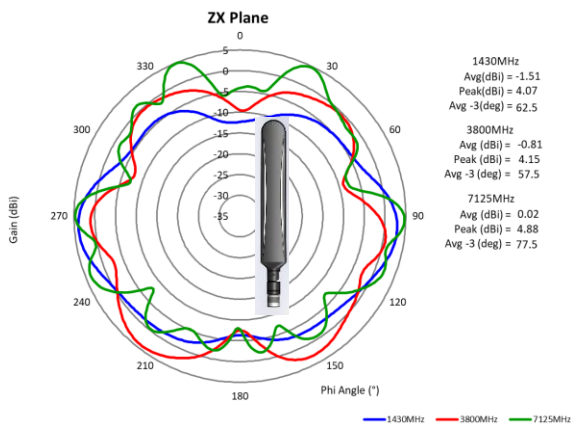
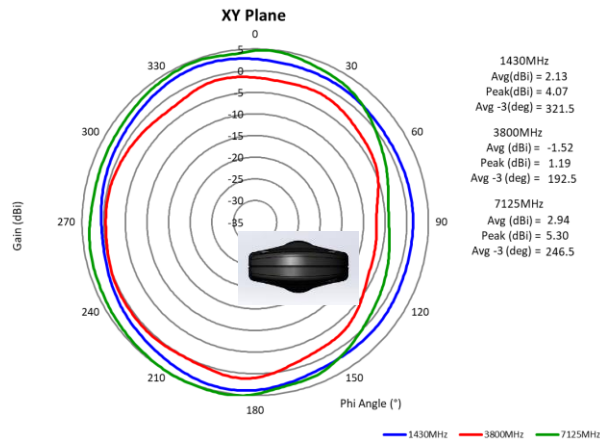
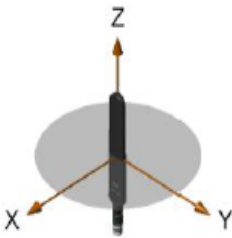
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PACKAGING

1PCS/PE bag

100PCS/Carton box