

Part No. X1005323-W3A1SA10A1

WiFi External Antenna

(2400-2500; 5150-5850) MHz

Supports: Tracking, Smart Home, Agriculture, Automotive, Healthcare, Digital Signage, Logistics, Industrial Devices



KYOCERA AVX's WiFi external antenna delivers on the key needs of device designers for higher functionality and performance.

Electrical Specifications

Typical characteristics in free-space

Frequency	2400~2500 MHz	5150~5825 MHz
Peak Gain	2.5 dBi	3.3 dBi
Average Efficiency	44%	31%
VSWR	2.0:1 max	
Impedance	50 Ω	

WiFi External Antenna

(2400-2500; 5150-5850) MHz

KEY BENEFITS

Reduced Costs and Time-to Market

Standard antennas eliminate design fees and cycle time associated with a custom solution, getting products to market faster.

High Performance

By optimizing antenna size, performance and emissions, customer and regulatory specifications are more easily met.

Reliability

Products are the latest RoHS & REACH version compliant.

APPLICATIONS

- Remote Monitoring
- Point of Sale
- IoT
- Gateway
- Telematics
- Tracking
- Healthcare
- M2M, Industrial devices
- Smart Grid
- Logistics
- Energy
- Retail

Mechanical Specifications

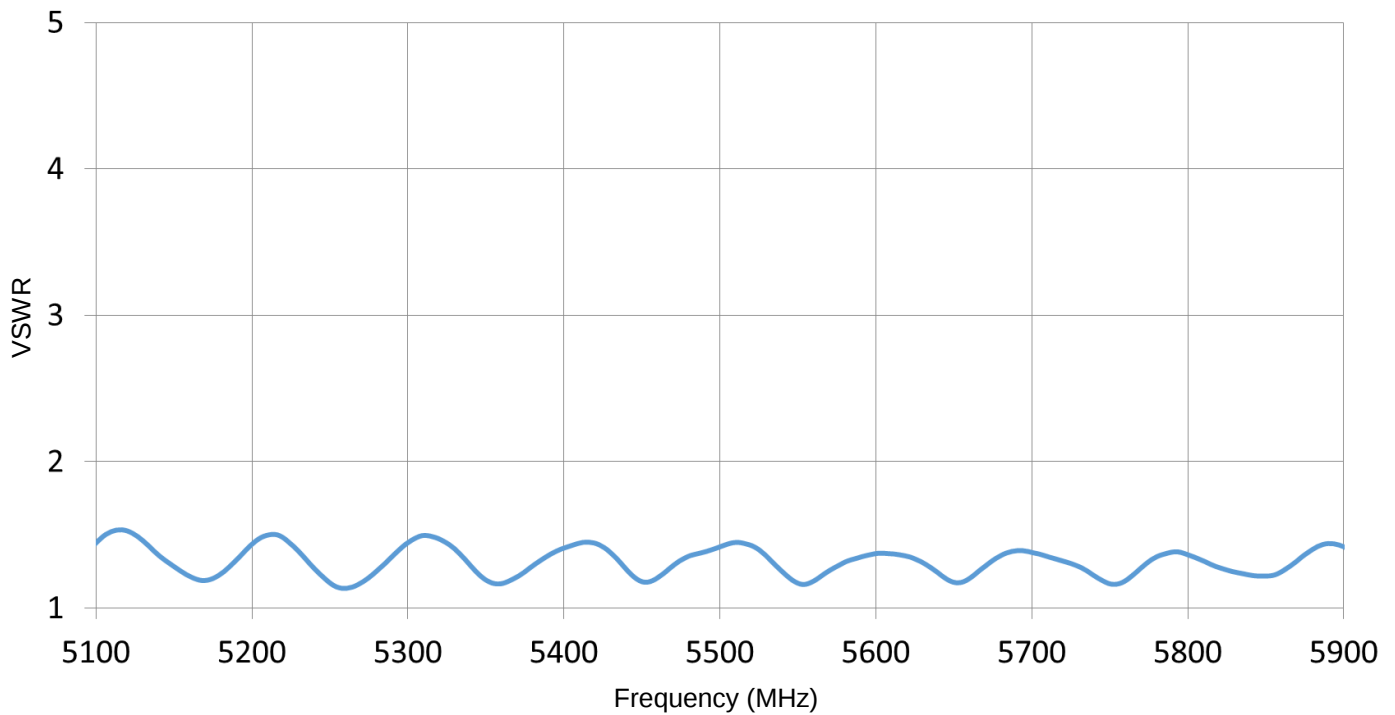
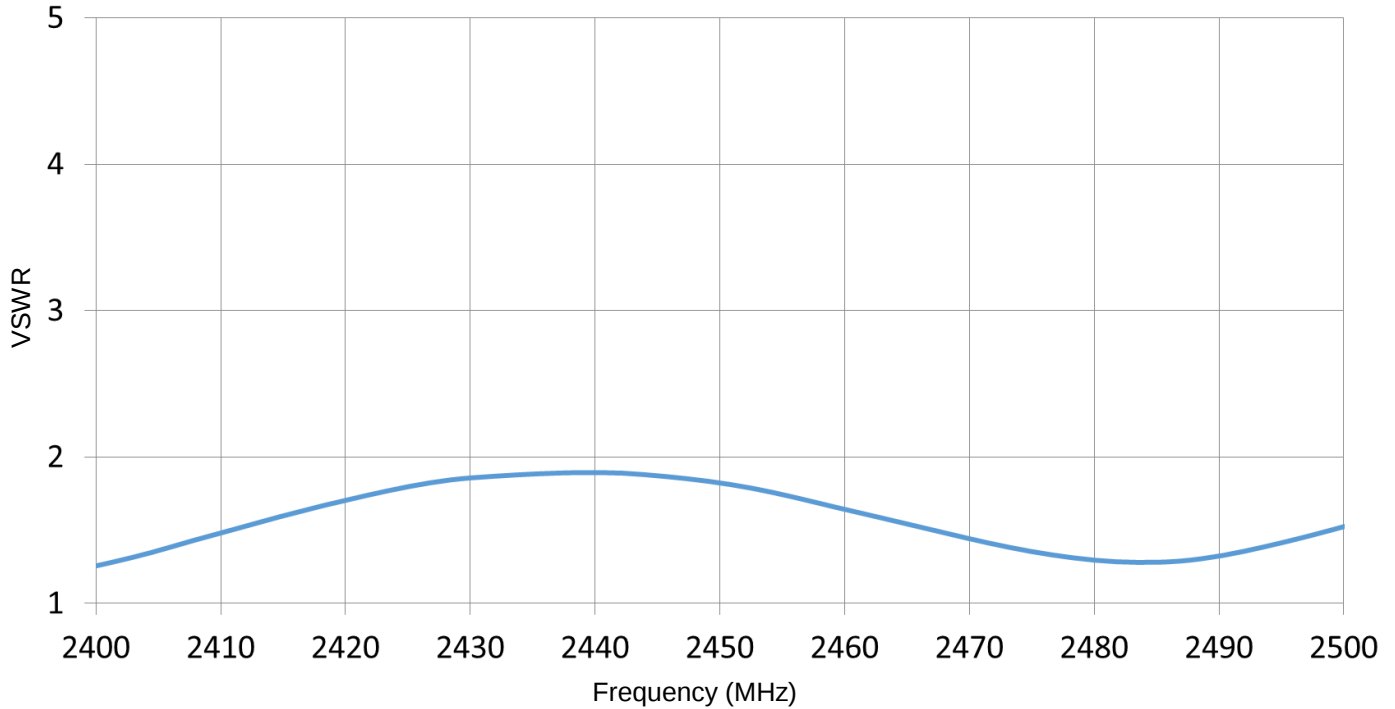
Ordering Part #	X1005323-W3A1SA10A1
Dimensions (mm)	105.1 x 30.1 x 6.7
Mounting Type	Adhesive Foam
Operating Temperature (°C)	-40 ~ +85
Housing Material & Color	PC+ABS (Black)
Weight (grams)	36
Cable	Length: 1M Type: RG-174
Connector	SMA(M)
Waterproof	IPX7

WiFi External Antenna Specifications.
KYOCERA AVX produces a wide variety of standard and custom antennas to meet user needs.

VSWR (WiFi 2400-2485, 5150-5825 MHz)

Typical characteristics in free-space

VSWR:

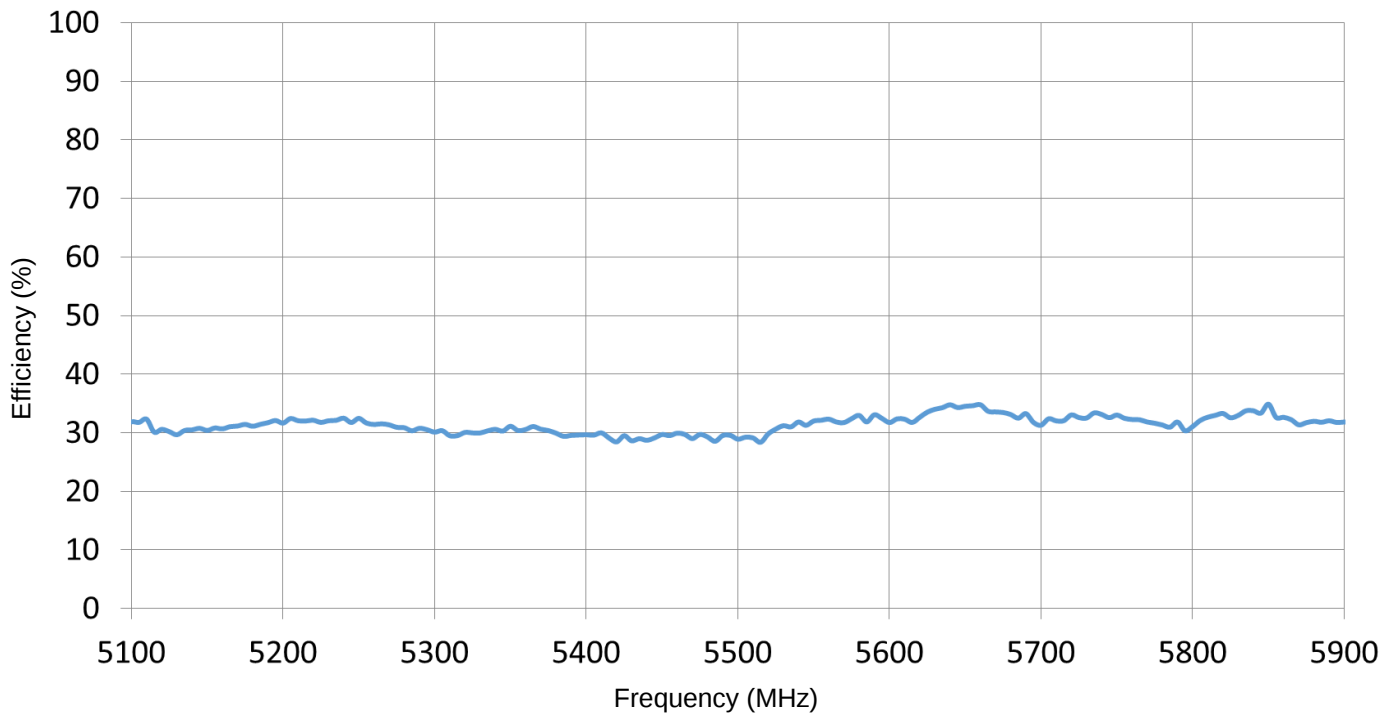
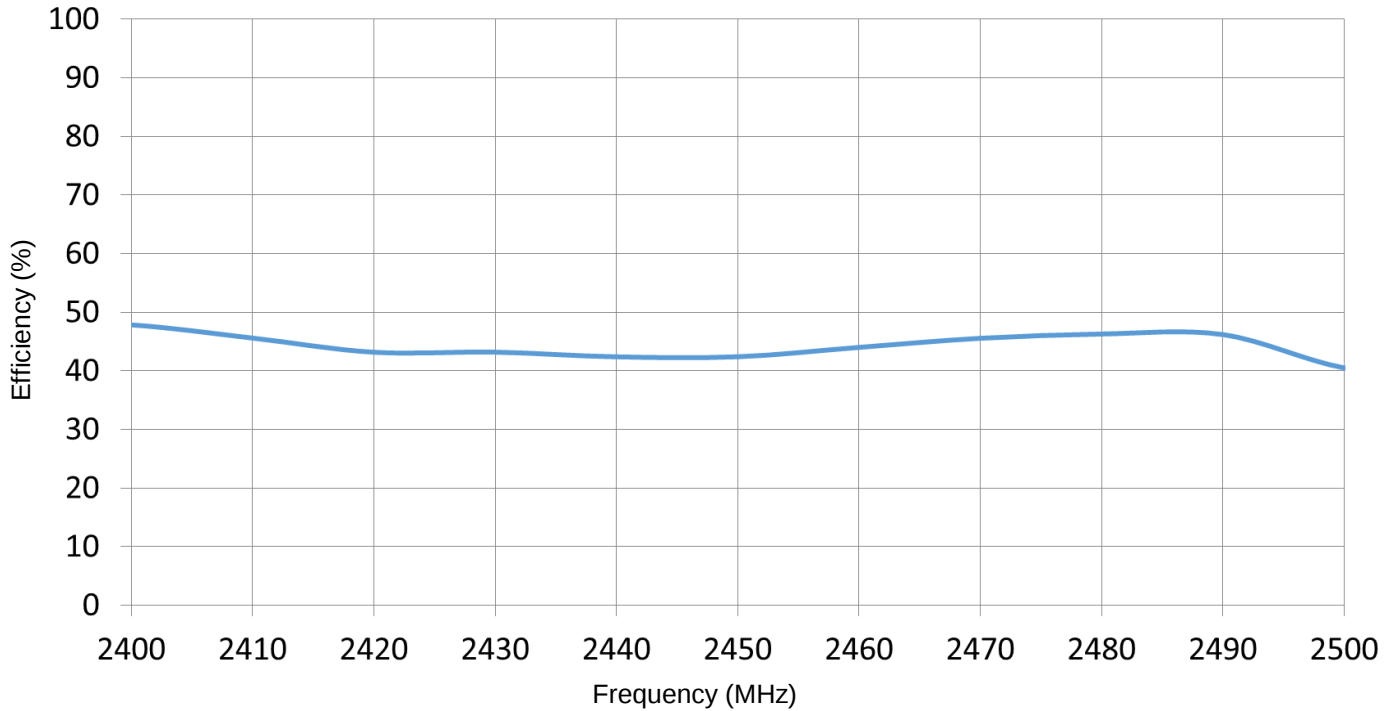


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Efficiency (WiFi 2400-2485, 5150-5825 MHz)

Typical characteristics in free-space

Efficiency:

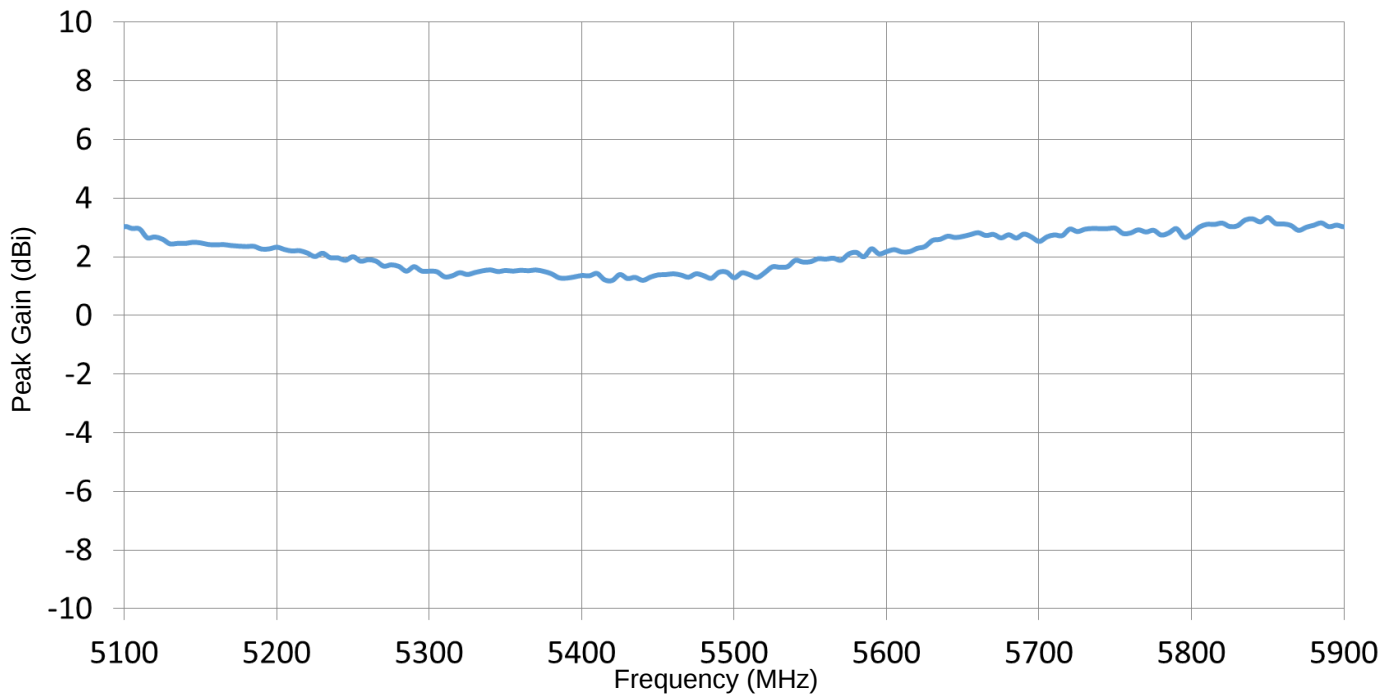
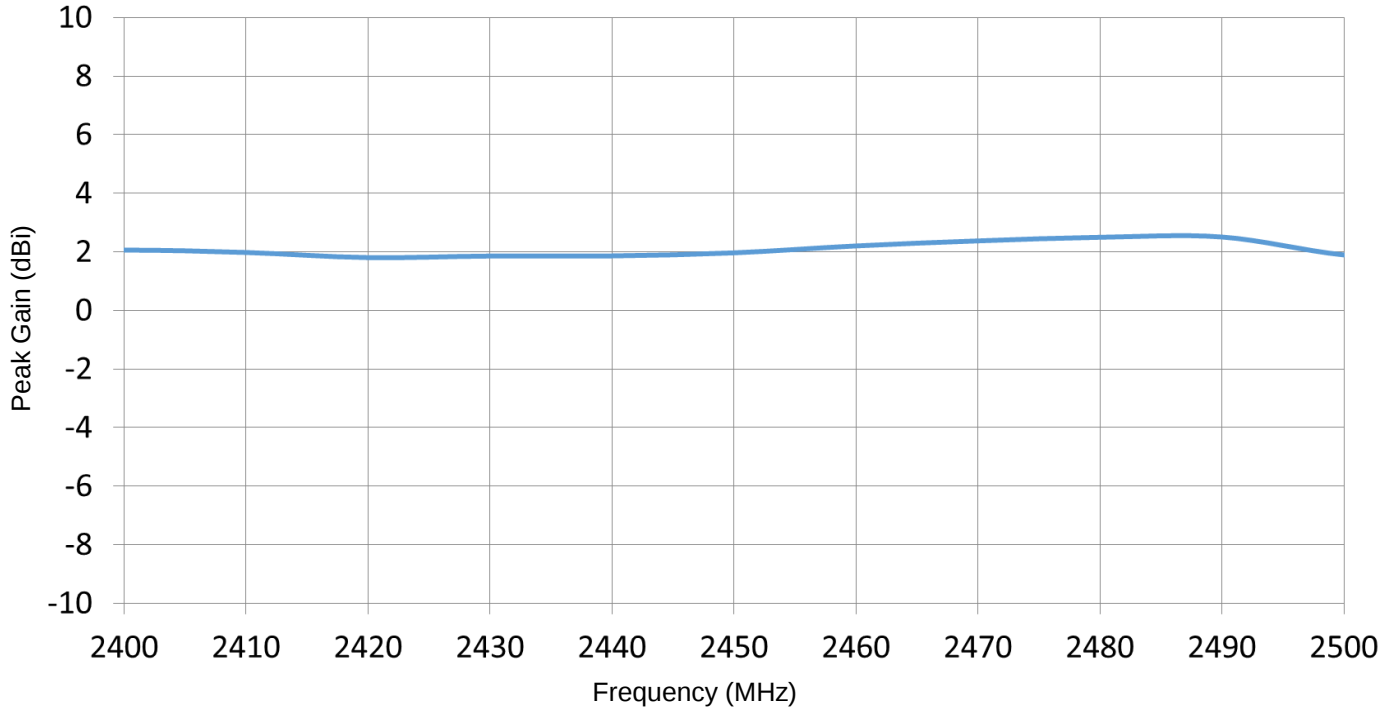


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Peak Gain (WiFi 2400-2485, 5150-5825 MHz)

Typical characteristics in free-space

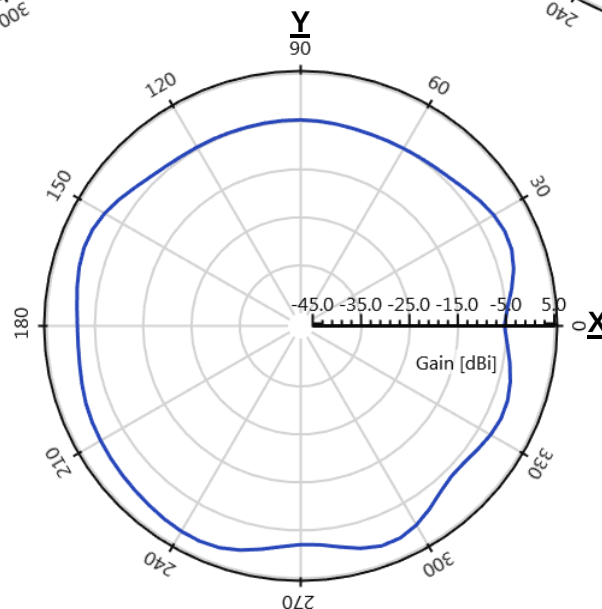
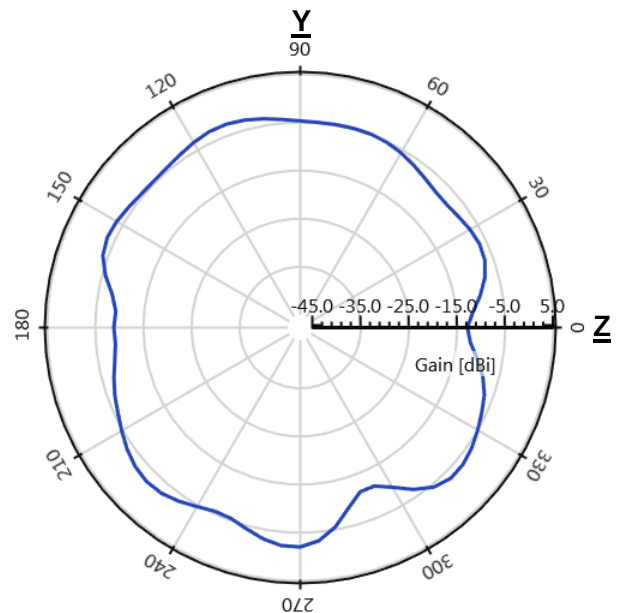
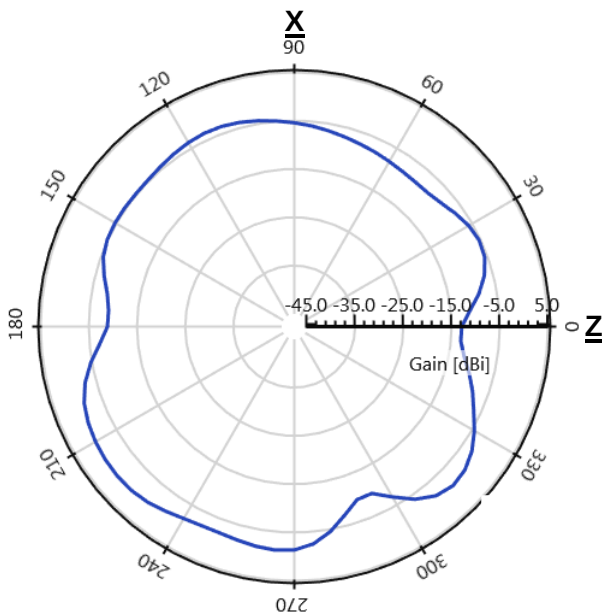
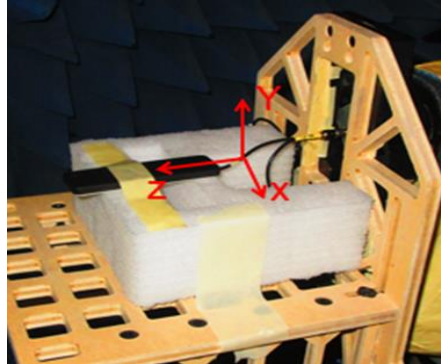
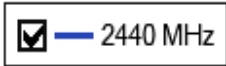
Peak Gain:



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2D Radiation Patterns (WiFi 2400-2500 MHz)

Typical characteristics in free-space

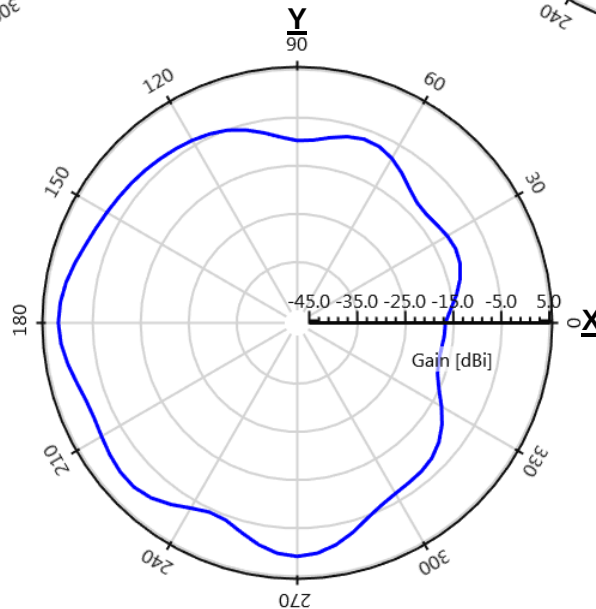
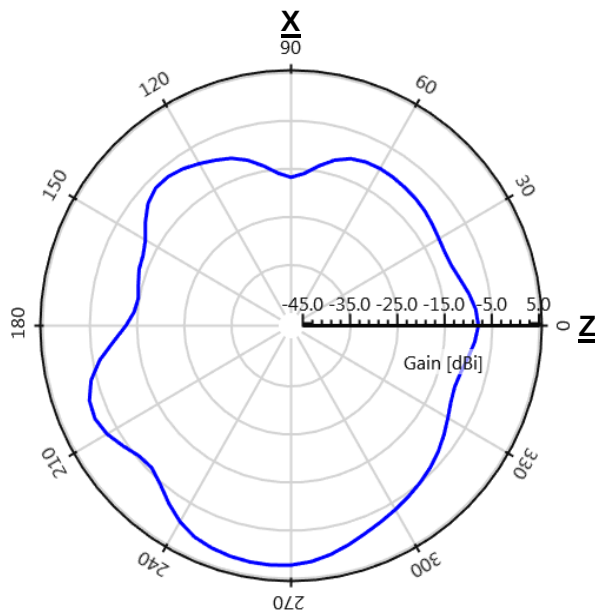
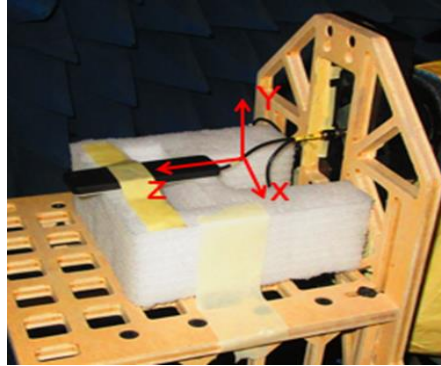


WiFi External Antenna Specifications.
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2D Radiation Patterns (WiFi 5150-5850 MHz)

Typical characteristics in free-space

☒ — 5200 MHz



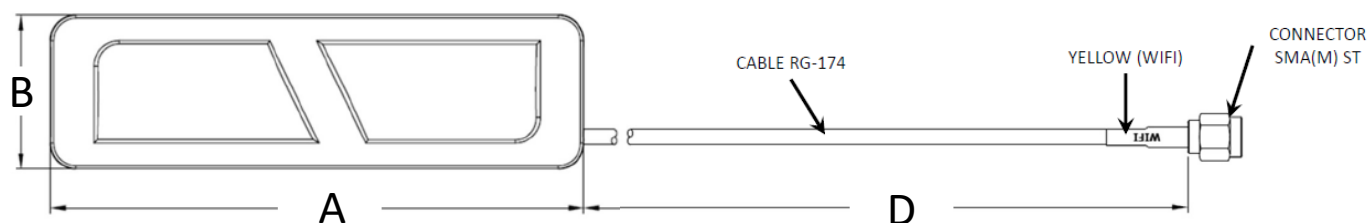
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Mechanical Dimensions

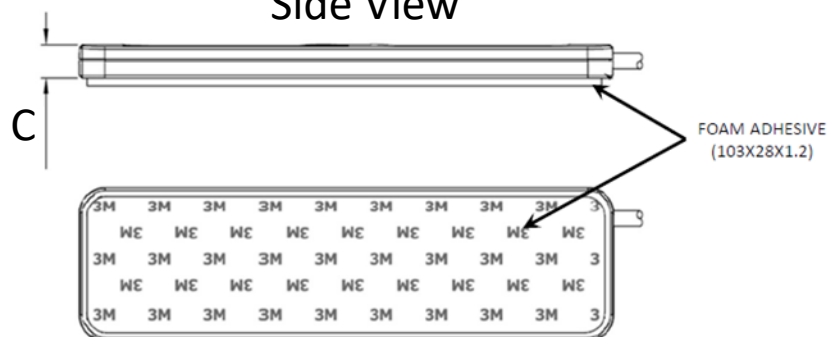
Typical antenna dimensions (mm)

Part Number	A (mm)	B (mm)	C (mm)	D (mm)
X1005323-W3A1SA10A1	105.1 ± 3.0	30.1 ± 1.5	6.7 ± 1.0	1000 ± 40.0

Top View



Side View



Bottom View

