

VSWR and Efficiency Plots

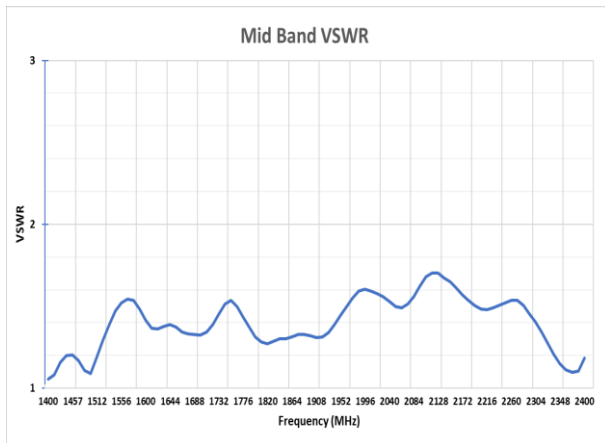
Typical performance with 600 mm (Free Space)

Low Band VSWR

Low Band Efficiency

Mid Band VSWR

Mid Band Efficiency



High Band VSWR

High Band Efficiency

5G/4G Band & Dual Band Wi-Fi KYOCERA AVX's Embedded Antenna Specifications.
 KYOCERA AVX produces a wide variety of standard and custom antennas to meet user needs.

Radiation Patterns

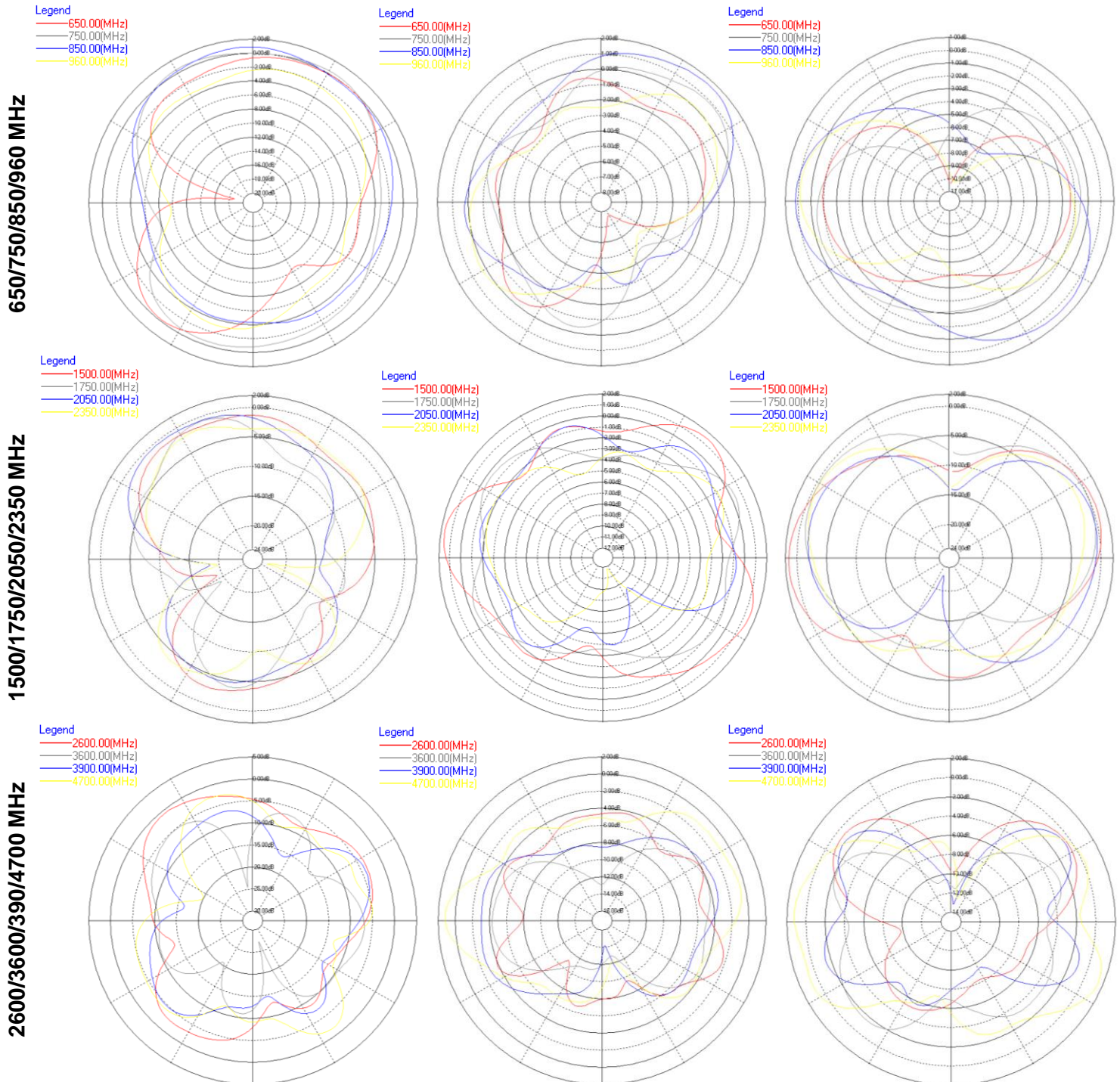
Typical performance with 600 mm cable

Antenna in Free Space

Phi = 0° (XZ) Plane

Phi = 90° (YZ) Plane

Theta = 90° (XY) Plane

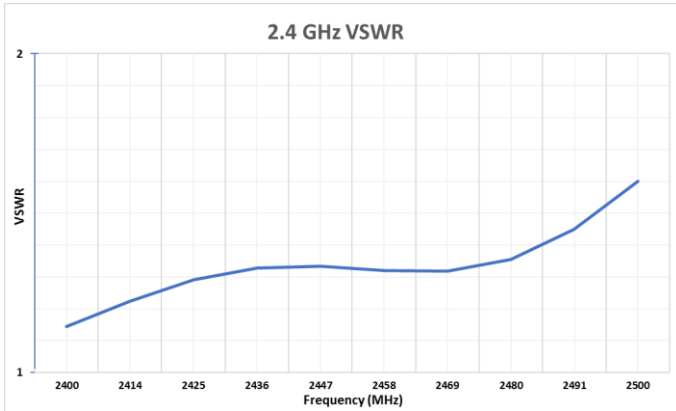


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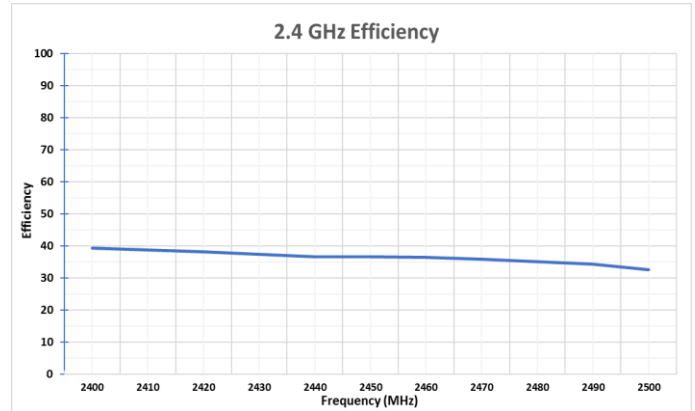
VSWR and Efficiency Plots

Typical performance with 600 mm (Free Space)

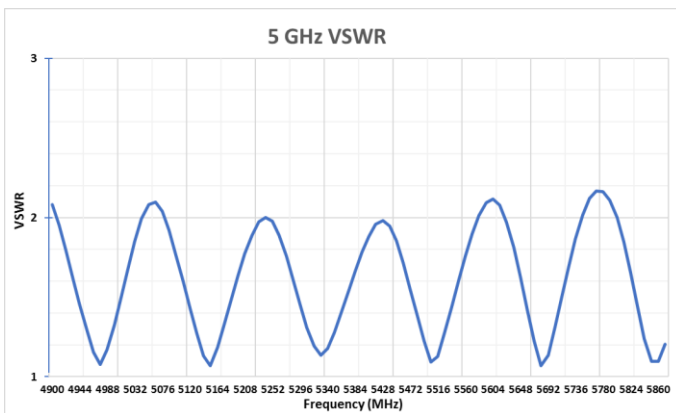
2.4 GHz VSWR



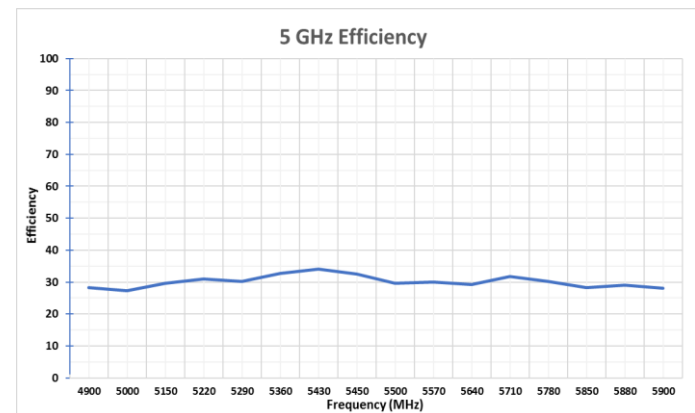
2.4 GHz Efficiency



5 GHz VSWR



5 GHz Efficiency



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Radiation Patterns

Typical performance with 600 mm cable

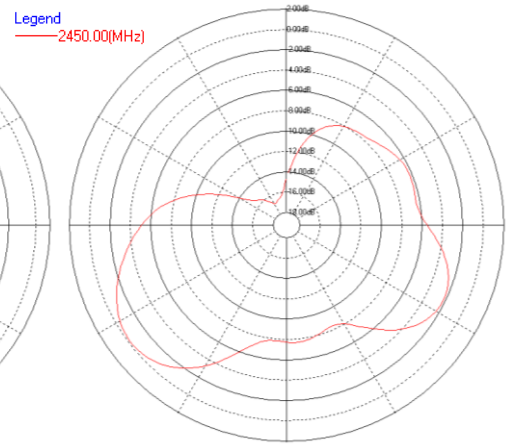
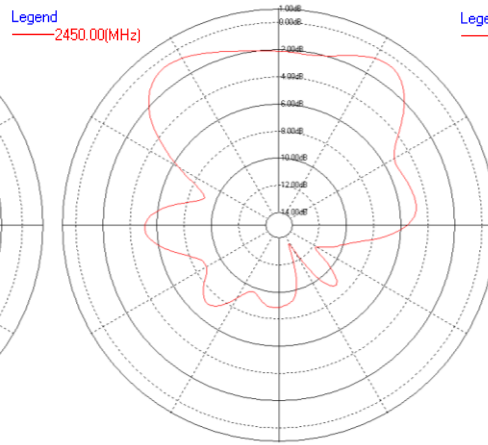
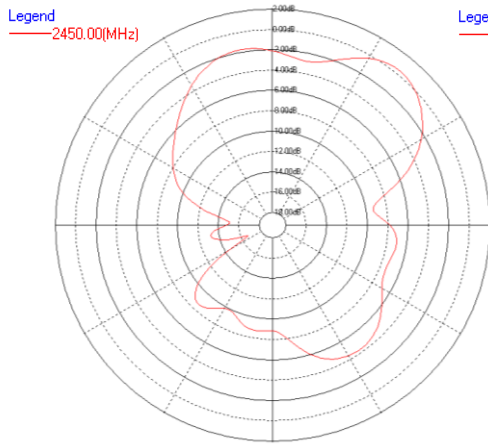
Antenna in Free Space

Phi = 0° (XZ) Plane

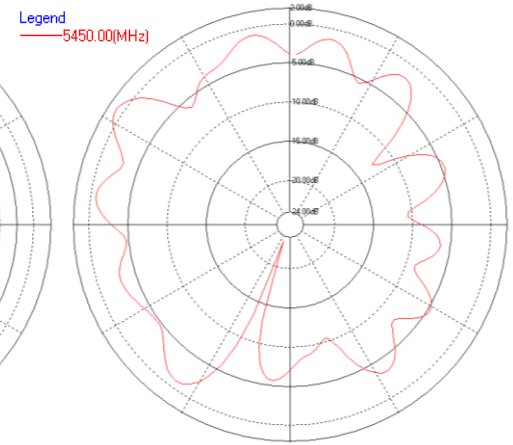
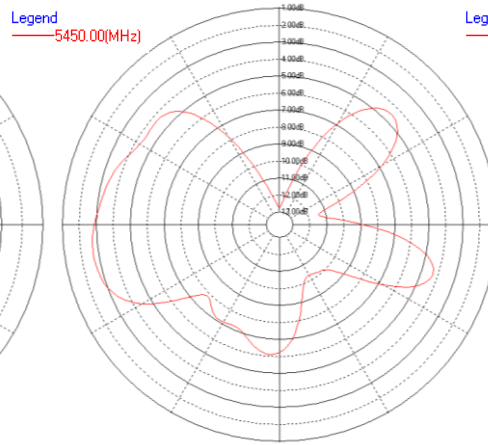
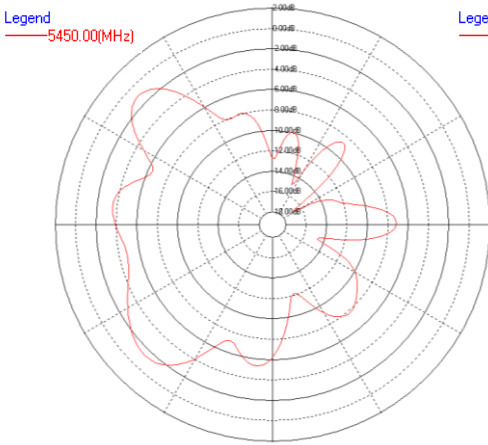
Phi = 90° (YZ) Plane

Theta = 90° (XY) Plane

2450 MHz



5450 MHz

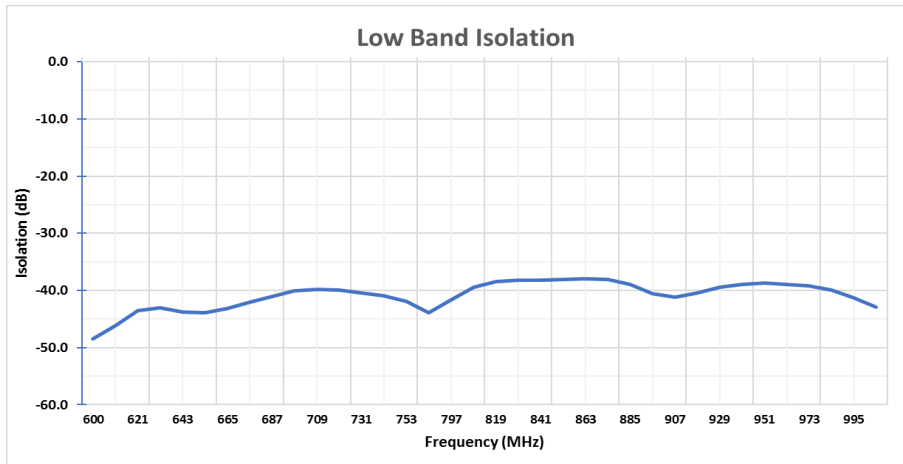


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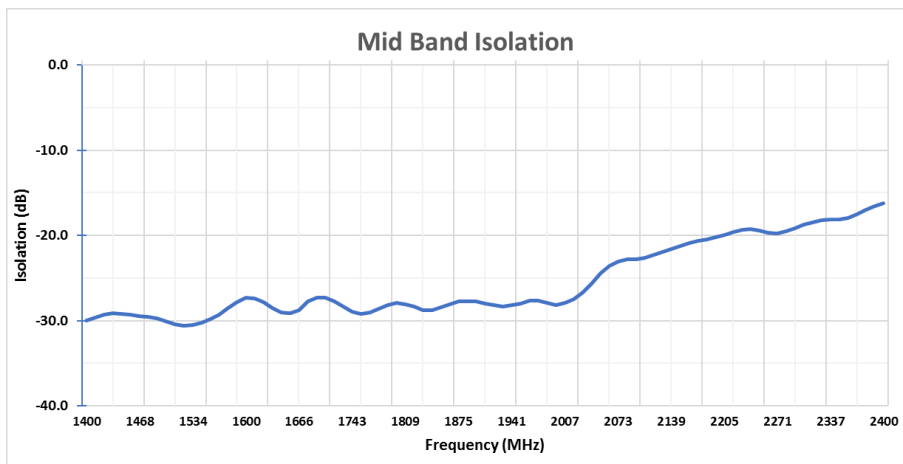
Isolation Plots

Typical performance with 600 mm (Free Space)

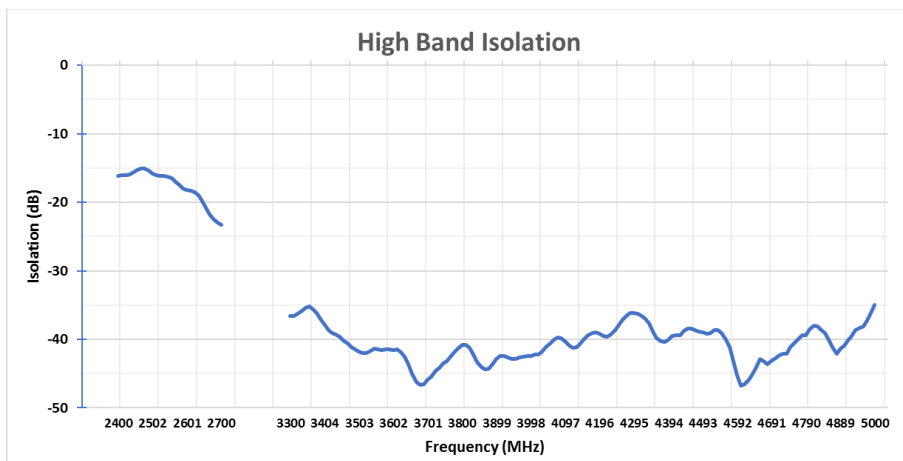
Low Band Isolation



Mid Band Isolation



High Band Isolation



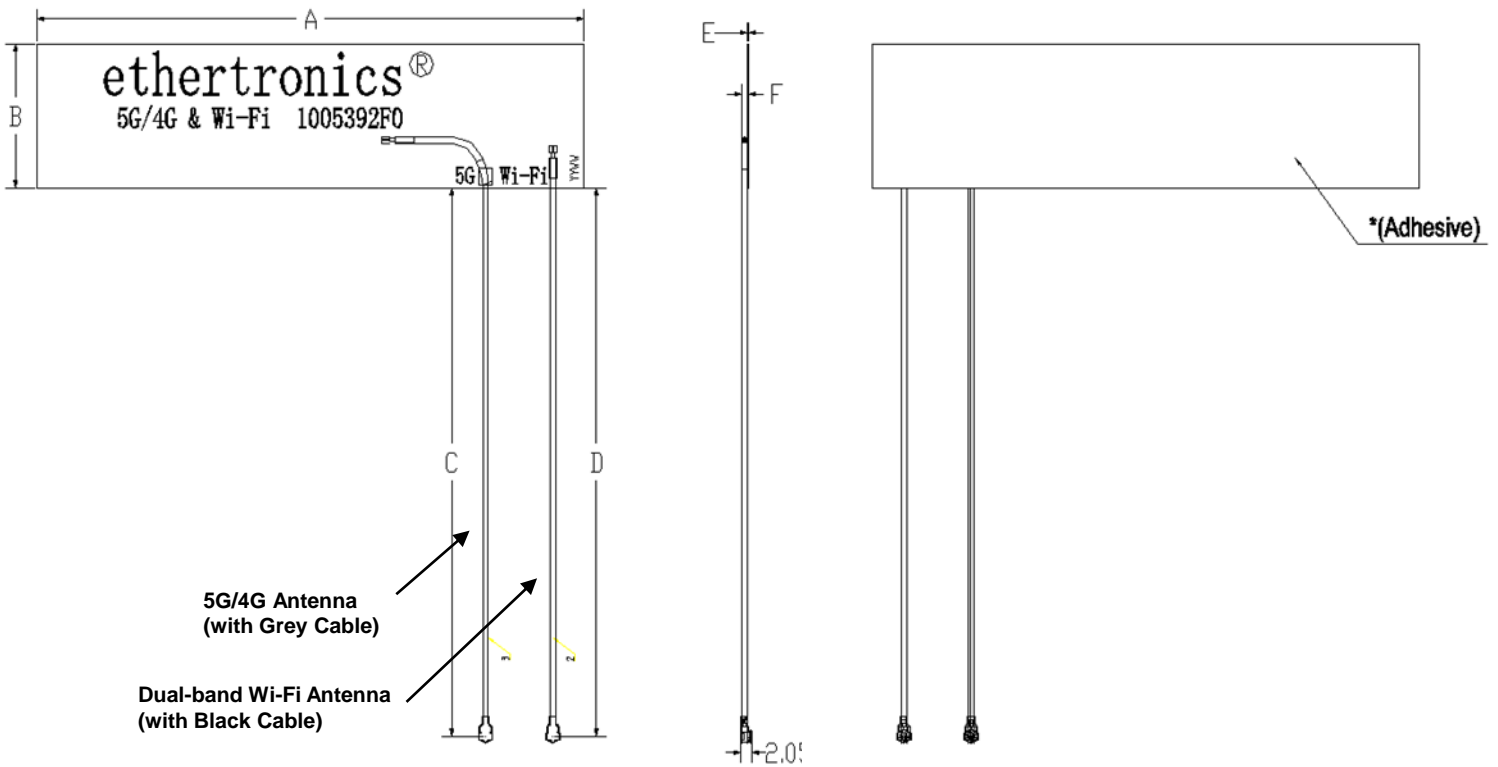
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Mechanical Dimensions

Typical antenna dimensions (mm)

Part Number	Connector Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
1005392F0-AA10L0600	I-PEX MHF	114 ± 0.3	30 ± 0.3	600 ± 3.0	600 ± 3.0	0.2 ± 10%	1.6 (max)
1005392F0-AS40L0600	SMA (Male)	114 ± 0.3	30 ± 0.3	600 ± 3.0	600 ± 3.0	0.2 ± 10%	1.6 (max)

- *Total Height of 1.6 mm includes the cable solder connection
- *Height "C" of 0.2 mm includes FPC + adhesive thicknesses
- **"C" is the cable length of 5G/4G Antenna (with color in Grey)
- **"D" is the cable length of Dual-band Wi-Fi Antenna (with color in Black)



Top View

Side View

Bottom View