

# WHIP ANTENNA

## Omnidirectional Coverage Antenna

**MODEL NUMBERS: A21-ML3-600, A21-ML3-601**

The Whip Antenna is an ultra-wideband, omnidirectional antenna for cellular network deployments. Supporting 5G NR, 4G LTE, and LMR applications, the antenna offers improved efficiency and gain for application-specific service bands, while its hinged design enables the antenna to swivel for installation flexibility. This antenna is ideal for CEL-FI GO products and Nextivity COMPASS XR.

### Features and benefits include:

- Developed for ultra-wideband operation from 410-5925 MHz
- Standard SMA Male RF interface for direct installation on CEL-FI products
- Compact form factor for aesthetically pleasing deployments
- Install orientation flexibility due to hinged design
- Ground plane independent



A21-ML3-600



A21-ML3-601

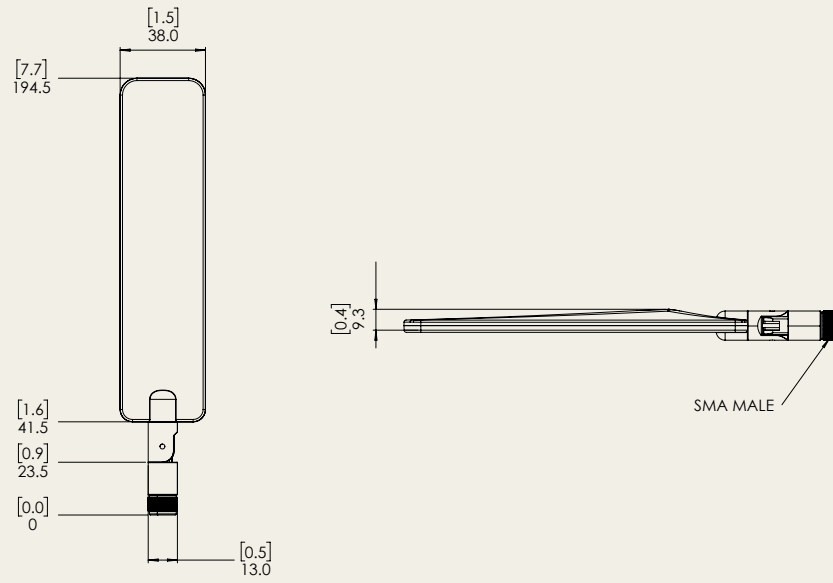
### Electrical Specifications

Service Bands	450	600, 700, 800, 850, 900	1500, 1600, 1700, 1800, 1900, 2000, 2100, 2300, 2500, 2600	3300, 3500, 3600, 3700, 4500	5200, 5500, 5800
Return Loss (dB Typ.)	-8.3	-14.3	-8.2	-6.8	-10.6
Efficiency (% Typ.)	20.6	40.8	60	40.8	30.9
Peak Gain (dBi Typ.)	4.5	0.5	2.1	1.5	2.5
Avg Gain (dB Typ.)	-7.0	-4.2	-2.4	-4.4	-5.5
Impedance ( $\Omega$ Nom.)	50				
Polarization	Linear/Vertical				
Radiation Pattern	Omni				
Input Power (W Max.)	25 W				
Connector	SMA Male				

### Mechanical Specifications

Housing Material	PC/ABS UV Stable
Housing Color	Black (A21-ML3-600) & White (A21-ML3-601)
Antenna	Hinged
Operating Temperature ( $^{\circ}$ F ( $^{\circ}$ C))	-40 to 185 (-40 to 85)
Storage Temperature ( $^{\circ}$ F ( $^{\circ}$ C))	-40 to 185 (-40 to 85)
Ingress Protection	Indoor Only
RoHS	Compliant
REACH	Compliant
Dimensions (in (mm))	6.8 x 1.5 x 0.4 (171 x 38 x 9.3)

## Mechanical Dimensions



Product specifications are subject to change without prior notification.