

ANT-5G-OSM-04 Series

4 dBi LTE/5G NR dipole antennas with SMA (male) connector



Features and Benefits

- Supports global 5G bands
- Lightweight
- Tilt and swivel design
- Flexible installation
- TELEC certified

Introduction

The ANT-5G-OSM-04 is an omnidirectional lightweight compact antenna suitable for LTE, and 5G NR bands. The antenna provides a gain of 4 dBi and is designed to operate in temperatures ranging from -40 to 85°C.

Specifications

Antenna Characteristics

Frequency	615 to 960 MHz 1164 to 1606 MHz 1710 to 2170 MHz 2400 to 2690 MHz 3300 to 3800 MHz 4100 to 4900 MHz 5150 to 5925 MHz
Antenna Type	Omni-directional
Typical Antenna Gain	1.8 dBi @ 615 to 960 MHz 3.6 dBi @ 1164 to 1606 MHz 3.6 dBi @ 1710 to 2170 MHz 2.9 dBi @ 2400 to 2690 MHz 4.8 dBi @ 3300 to 3800 MHz 3.9 dBi @ 4100 to 4900 MHz 3.7 dBi @ 5150 to 5925 MHz
Connector	SMA (male)
Impedance	50 ohms
Polarization	Vertical Linear
HPBW/Horizontal	360°
V.S.W.R.	< 5.5

Physical Characteristics

Weight	21 g (0.05 lb)
Length	176 mm (6.93 in)
Radome Color	Black
Radome Material	Plastic
Installation	Straight mount
IP Rating	IP67

Environmental Limits

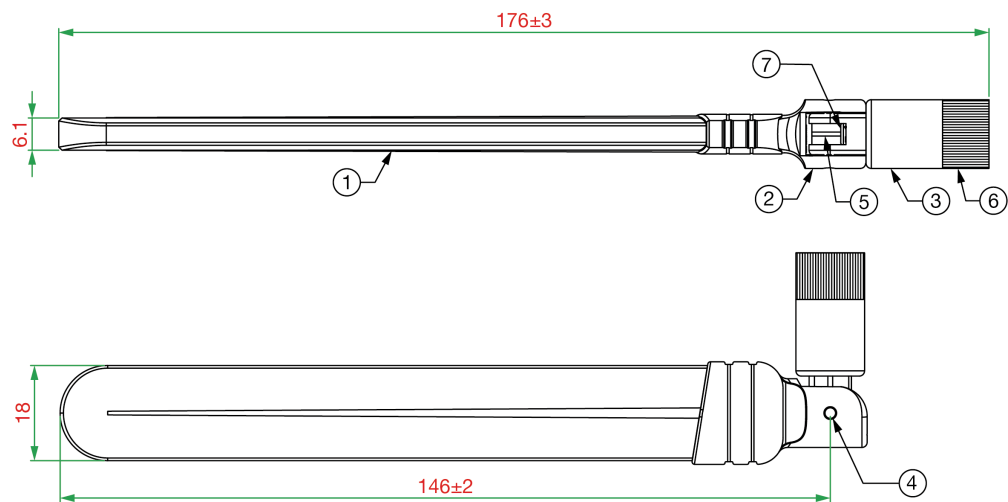
Operating Temperature	-40 to 85°C (-40 to 185°F)
Storage Temperature	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (30°C, non-condensing)

Warranty

Warranty Period	1 year
Details	See www.moxa.com/warranty

Dimensions

Unit: mm



NO	DESCRIPTION
1	Antenna Cap, ABS
2	Antenna Base, PC
3	Antenna Base, PC+PBT
4	Rivet, POM
5	Ø1.37 mm Coaxial Cable
6	Connector, SMA Plug Standard
7	Hold Rubber

Ordering Information

Model Name	Frequency	Antenna Type	Antenna Gain	Connector Type
ANT-5G-OSM-04	615 to 960 MHz 1164 to 1606 MHz 1710 to 2170 MHz 2400 to 2690 MHz 3300 to 3800 MHz 4100 to 4900 MHz 5150 to 5925 MHz	Omnidirectional	4 dBi	SMA (male)

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