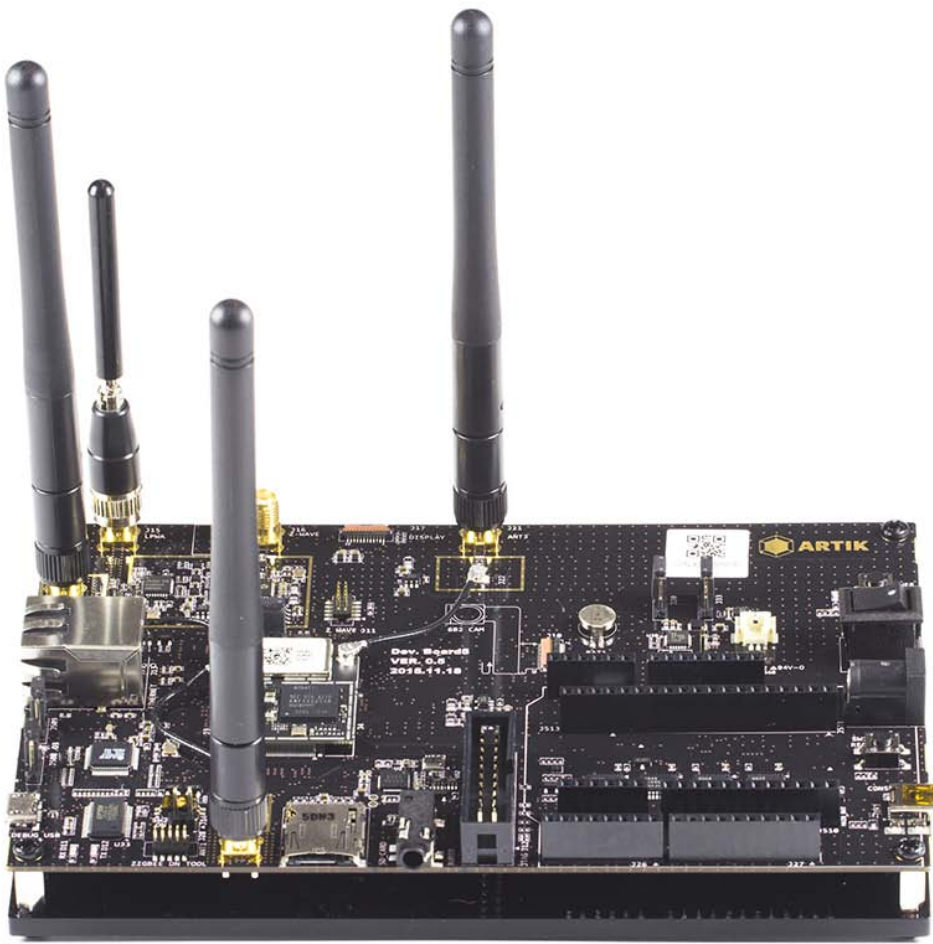# Where do the antennas go?

There are four antennas included in the developer kit - three long antennas and one short antenna.

- The short antenna is used on the Low-Power, Wide-Area (SigFox) antenna connector.
- The three long antennas are used on the Wi-Fi, Wi-Fi/Bluetooth, and ZigBee antenna connectors.
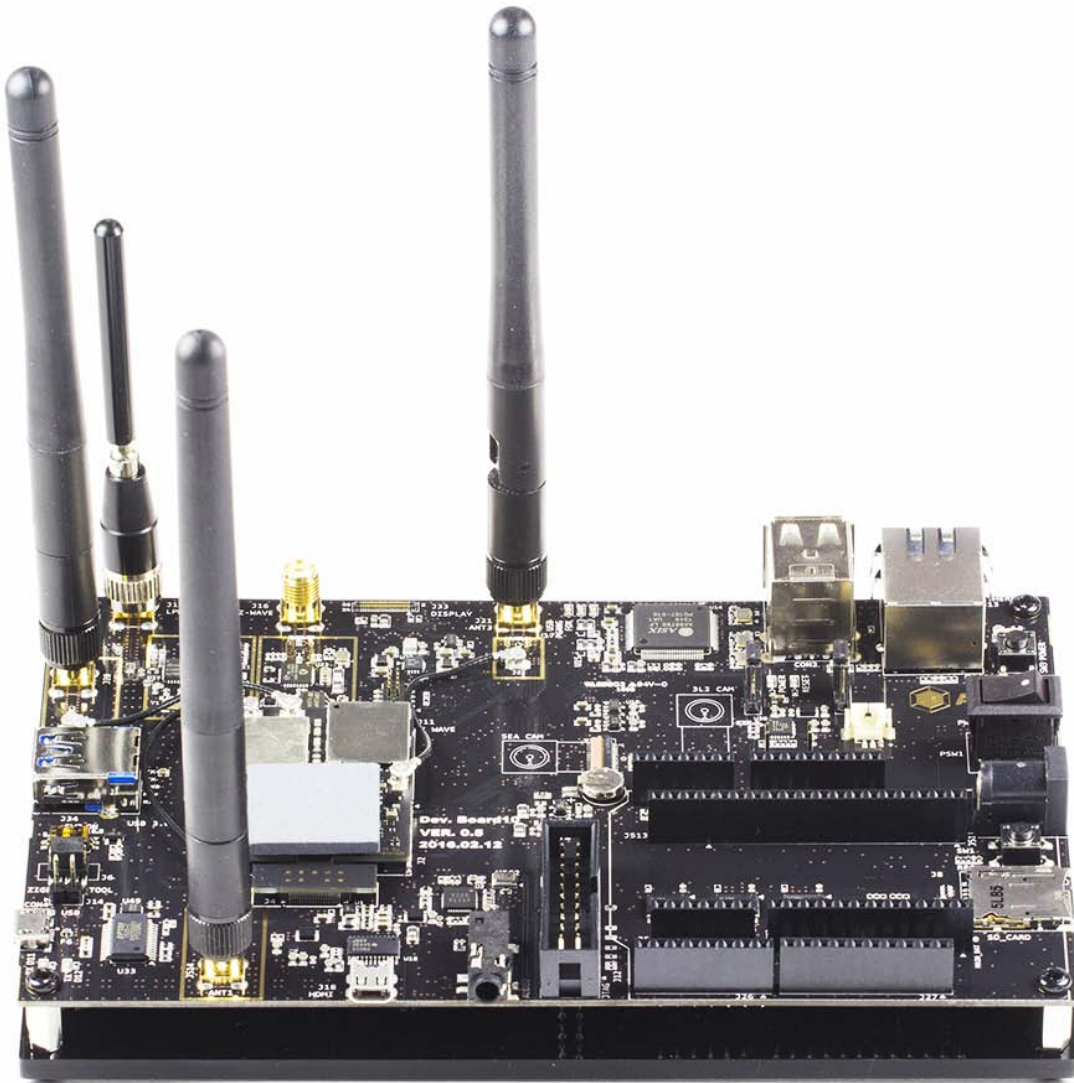
The three long antennas are identical – the red stripes are removable rubber bands.

Here are the antenna locations for the ARTIK 10, Ver. 0.5 developer board:

Antenna Specifications

The antennas supplied with the ARTIK developer kit are of the following specifications.

Antenna type	Dipole Antenna
Antenna peak gain	2.7dBi
Frequency	2.4GHz, 5GHz (for Wi-Fi, BT, ZigBee)
Connector type	SMA-M

FCC (United States) Compliance Statement

Replacement antennas must be of the same type, must be of equal or less gain than an antenna previously authorized under the same grant of certification (A3LATKM052000 for ARTIK 5), and must have similar in-band and out-of-band characteristics (consult specification sheet for cutoff frequencies). Any new antenna type, or higher gain antenna, approved under Part 15 requires a Class II permissive change, and the requirements of § 15.203 must be met.

IC (Canada) Compliance Statement

This radio transmitter (A3LATKM052000 for ARTIK 5) has been approved by Industry Canada to operate with the antenna types listed above with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device. (RSS-GEN clause 8.3)

Last updated on: May 31 2016, 3:15 PM

ARTIK FAMILY

Overview
Solutions
Partners
Blog
Developers

ARTIK MODULES

Overview
Partners
Order
Blog
Developers

ARTIK CLOUD

Overview
Works with...
Pricing
Blog
Developers

CONTACT US