

REGULATORY

Regulatory IDs Summary

MODEL	US/FCC	CANADA/IC	JAPAN
Sterling LWB+	SQG-LWBPLUS	3147A-LWBPLUS	201-210737

Certified Antennas

MODEL	TYPE	CONNECTOR	PEAK GAIN AND OPERATING FREQUENCY
Laird/2.4GHz Dipole Antenna 001-0001	Dipole	RP-SMA	2.0 dBi@2.4GHz
Laird/FlexPIFA 001-0022	PIFA	IPEX MHF4L	2.0 dBi@2.4 GHz
Laird/FlexNotch 001-0023	PCB Dipole	IPEX MHF4L	2.0 dBi@2.4GHz
Laird/mFlexPIFA EFA2400A3S-10MH4L	PIFA	IPEX MHF4L	2.0 dBi@2.4GHz
Laird/Waterproof Dipole Antenna 001-0012	Dipole	RP-SMA	2.0 dBi@2.4 GHz, 2.0 dBi@5 GHz
Laird/ Phantom 800MHz - 5.8GHz TRA24003P/TRAB24003P	Monopole	N-Female	3.0dBi@2400-2500
ACX/AT3216-A2R4PAAT/LF	Chip Antenna	N/A	1.5dBi@2.4GHz

FCC AND IC REGULATORY

MODEL	US/FCC	CANADA/IC
Sterling LWB+	SQG-LWBPLUS	3147A-LWBPLUS

The LWB-Plus series wireless module is designed to pass certification with the antenna listed below. The required antenna impedance is 50 ohms.

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Laird/FlexPIFA 001-0022	PIFA	IPEX MHF4L	2.0 dBi@2.4 GHz
Laird/FlexNotch 001-0023	PCB Dipole	IPEX MHF4L	2.0 dBi@2.4GHz
Laird/mFlexPIFA EFA2400A3S-10MH4L	PIFA	IPEX MHF4L	2.0 dBi@2.4GHz
Laird/Waterproof Dipole Antenna 001-0012	Dipole	RP-SMA	2.0 dBi@2.4 GHz, 2.0 dBi@5 GHz
Laird/ Phantom 800MHz - 5.8GHz TRA24003P/TRAB24003P	Monopole	N-Female	3.0dBi@2400-2500
ACX/AT3216-A2R4PAAT/LF	Chip Antenna	N/A	1.5dBi@2.4GHz

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that

to which the receiver is connected.