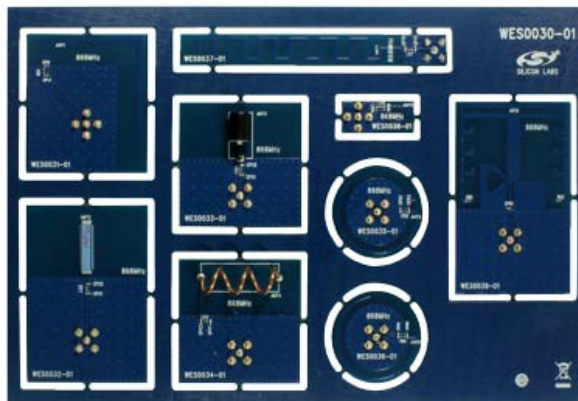


Antenna Matrix Development Kit

MSC-AMSxxx-EK

The antenna matrix is intended to simplify antenna design and selection. The antenna designs can be copied into any design after evaluation of various types of antennas in the matrix. The antenna matrix kit is available in 434, 868 and 915 MHz frequencies.

The MSC-AMSxxx-EK kit contains a panel of nine antenna designs. Each antenna on the panel is unique and can be individually evaluated with a separately orderable RF Pico Board. The RF Pico Boards are available as part of EZRadio® and EZRadioPRO® development kits and individually as well. The panel contains a mix of PCB, chip and wire antenna options for a specific frequency band.



Complete measurement reports and a selection guide are available for each antenna matrix kit. In addition, an antenna design guide will be available with information on how to incorporate the antenna matrix designs into the end product which may require minor changes due to specific form factors and placement of components.

- The antenna matrix kit includes an SMA adapter to connect the SMA on the antenna board to the SMA on the RF Pico Board.

MSC-AMS434-EK

434 MHz Antenna Development Kit

Add to Cart

MSC-AMS868-EK

868 MHz Antenna Development Kit

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MSC-AMS915-EK

915 MHz Antenna Development Kit

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Additional Resources

- [434 MHz Antenna Development Kit \(MSC-AMS434-EK\) Design Files](#)
- [868 MHz Antenna Development Kit \(MSC-AMS868-EK\) Design Files](#)
- [915 MHz Antenna Development Kit \(MSC-AMS915-EK\) Design Files](#)
- [AN685: Layout Design Guide for the Si4455/435x RF ICs](#)

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- [AN686: Antennas for the Si4455/4355 RF ICs](#)
- [AN768: Antenna Selection Guide for the 868 MHz EZRadio and EZRadioPRO designs](#)
- [AN782: 868-MHz Antenna Matrix \(WES0030-01-AMS868-01\) Measurement Reports](#)
- [AN847: 915 MHz Single-ended Antenna Matrix Selection Guide](#)
- [AN848: 915 MHz Single-ended Antenna Matrix Measurement Reports](#)
- [AN849: 434 MHz Single-ended Antenna Matrix Selection Guide](#)
- [AN850: 434 MHz Single-ended Antenna Matrix Measurement Reports](#)
- The following kits are compatible with the antenna matrix:
 - [4455-434-PDK](#)
 - [4455-868-PDK](#)
 - [4455-915-PDK](#)
 - [4463-915-PDK](#)
 - [4461-868-PDK](#)

The antenna matrix can be used with any [RF Pico Board](#) that has an SMA connector.



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