

EK-915-SR Test Antenna

Overview

The Doodle Labs EK-915-SR Test Antenna is designed to simplify bench testing of Doodle Labs RM-915-2H series Smart Radios. The main radiating element is a Fractus FR01-S4-224 SMT antenna which has been tuned to provide a 50-ohm match in the 902-928 MHz ISM Band. Detailed technical information can be found on the manufacturer's webpage.

The EK-915-SR Test Antenna includes two ports, only one of which should be connected at a time. The THROUGH port is for short range measurements and the LOSSY port is for bench measurements, for example for in-lab testing.

Technical Specifications

Frequency Range	902-928 MHz
Radiating Element Peak Gain	2.6 dBi
THROUGH board loss	1 dB
LOSSY board loss	14 dB
Impedance	50-ohm
VSWR (both ports)	< -14 dB typical
Dimensions	131mm x 60mm x 4mm

