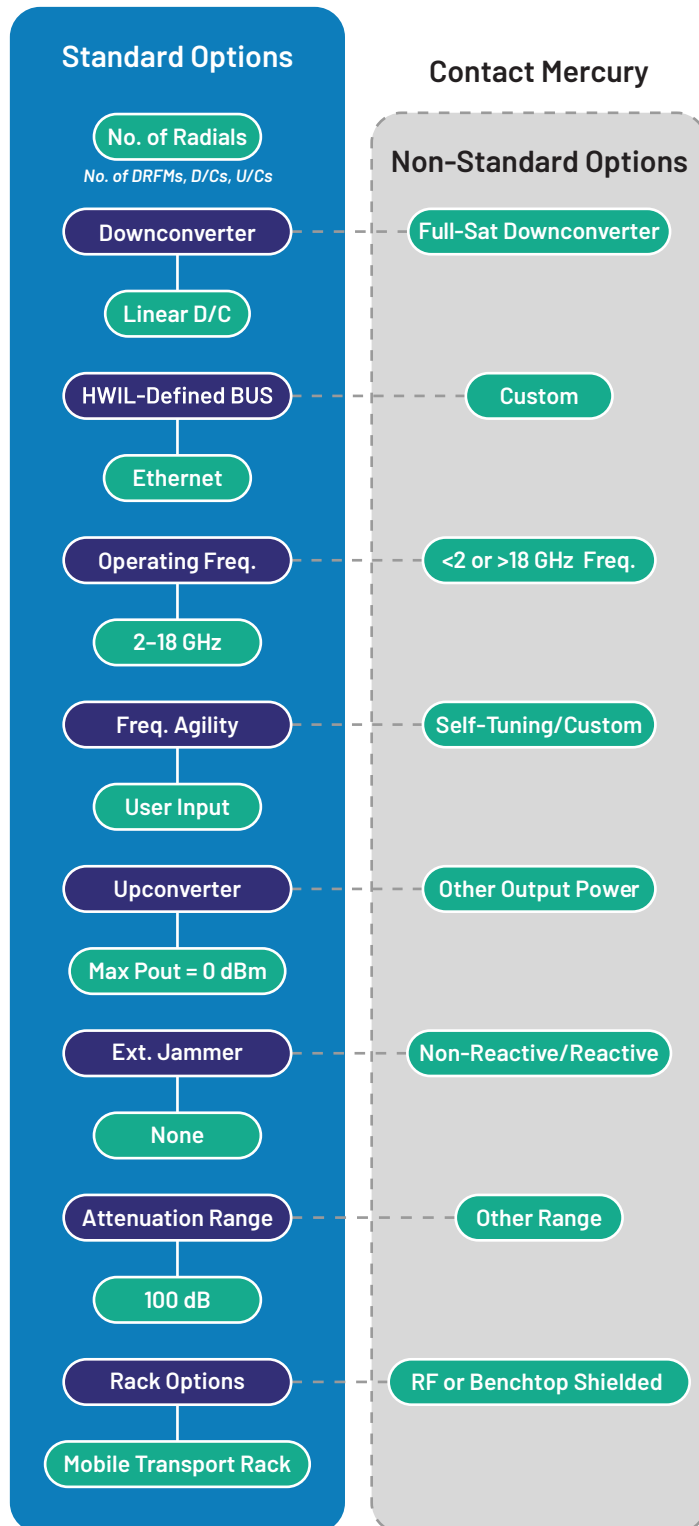


Off-the-Shelf System



What is a radial?

A radial is a pair of collocated antennae: one to receive RF signals from the SUT and one to transmit RF signals to the SUT. Together, this creates the location of a target. For a free-space system, targets only fly on a radial.

Which downconverter provides the best performance?

Since radar transmit power varies, and the input power to the antenna is determined by the scan angle of the SUT, a saturated downconverter ensures DRFM performance by providing constant power to the ADC.

Which BUS options come standard?

Ethernet comes standard, but other external triggers are available upon request.

What bandwidths are supported?

The up and downconverters are designed to support 2-18 GHz in a standard system. Other options are available upon request.

Is there a power output recommendation?

A maximum power output of 0 dBm is optimal for this system; other power inputs are available upon request. Increased power is possible but some performance may degrade (spurious, minimum output RF, output power range, noise floor and isolation).

Looking for a custom system?

Visit: www.mrcy.com/radartesting to view the custom radar environment simulator.