



Testing Products while blocking Radio Frequency Just Got Easier with Associated Environmental Systems' FDR environmental test chambers.

After working with many large consumer electronics companies, AES has recently developed a new product line that allows you to perform hot and cold climate testing while blocking RF waves from entering and escaping the test area.

ACTON, MA - May 21, 2019 - Associated Environmental Systems allows you to test products while blocking radio frequency (RF) waves without the use of an additional Faraday cage. The [FDR-501](#) and [FDR-505](#) environmental test chambers offer 1 and 5 cubic foot workspaces that block RF waves from entering and leaving the workspace.

Previously, a device under test (DUT) needed to be placed inside a Faraday cage to block RF waves, significantly increasing testing time. When a Faraday cage is used, conditioning a DUT requires much longer test cycles due to compromised air flow, uniformity, and the time it takes for the Faraday cage to radiate the temperature to the DUT. While testing under these conditions, engineers also lost the ability to monitor their products.

Today, using an Associated Environmental Systems' FDR test chamber provides blocking and trapping a wide range of radio waves. The factors that create RF blocking conditions are the outcome of thoughtful design work that combines high-grade steel, specialized door gaskets, and various mesh substrates to protect ports and air circulation paths from frequency waves moving in and out of the workspace. Using the FDR chamber can dramatically cut your test time, by as much as half.

Companies test their products within Associated Environmental Systems RF blocking chambers to:

- block RF waves from entering and trap RF waves from escaping the chamber workspace while you take the measurements of your DUT at the temperature you require.
- research and measure phantom waves and how the human body and other objects interrupt microwaves between a wireless phone and cell towers.
- block a product's radio frequency waves from escaping the chamber workspace effectively protecting employees who work in close proximity of RF products.

Follow the three-part blog series about RF testing beginning May 28 at, <https://www.associatedenvironmentalsystems.com/blog>.

More RF resources at (photos, video)

<https://www.associatedenvironmentalsystems.com/rf-shielded-environmental-testing-chamber>

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About Associated Environmental Systems

Since 1959, [AES](#) has designed, manufactured, and supported standard and custom test chambers that meet customers' most demanding requirements. AES' robust test chambers simulate hot and cold temperature extremes, humidity conditions, salt spray, and thermal shock. Over the years AES has built a very large and loyal customer base spanning the fields of aerospace to semiconductors and many more [industries](#) worldwide. Associated Environmental Systems mission has always been to provide consumers with high-quality environmental test chambers that allow for independent, efficient, accurate, and controlled product testing.

www.AssociatedEnvironmentalSystems.com/Press