DVTEST

# dbCHECK

## Versatile RF Test Enclosure

The dbCHECK is an ideal solution for repeatable wireless device testing. Boasting a dual RF gasket design, high quality broadband RF absorber, and filtered I/O panels, the dbCHECK can achieve more than 90dB* isolation from 700 MHz – 6000 MHz. This level of isolation delivers maximum performance by attenuating all unwanted signals.

The dbCHECK is available in two sizes, and is suitable for testing phones, tablets, laptops, and many other wireless devices. The I/O panel is filtered, and is customizable to support the most common RF and data connection types. Inclusion of universal antenna coupler mounts, and the durable, field-serviceable, mechanical design makes dbCHECK ideal for use in high-volume service centers.

Designed with the operator in mind, the front-loading mechanism is intuitive and easy to use. The dbCHECK can be closed, latched, or opened in one smooth motion requiring minimal force. This design allows operators to focus on test execution and increased throughput.

## Industry Requirements

There are billions of wireless devices in the world today, and this market is growing at an exponential rate. The ability to reliably test these devices over a variety of wireless standards presents a challenge for high-volume service centers. Unwanted signals in the environment can interfere with testing and skew results, leading to device mischaracterization.

The solution to this challenge is a RF shielded environment that is isolated from external signals to allow for reliable and repeatable test and measurement. Large RF shielded chambers or rooms can be cost prohibitive, and many small RF enclosures are unable to provide the level of isolation required for consistent device testing or unable to support multiple wireless standards.

To further complicate matters, high-volume service centers and production lines require compact, long-lasting solutions that can maintain performance over time.

# dbCHECK Specifications

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| **Isolation (dB)*** Note: Isolation measurement based on app note - 211 | 700 to 1000 MHz - 88 dB<br>1700 to 2000 MHz - 85 dB<br>2000 to 2500 MHz - 83 dB<br>5000 to 6000 MHz - 80 dB | **Isolation (dB)** Note: Measurement taken 1m away from enclosure | 700 to 1000 MHz - 90 dB<br>1700 to 2000 MHz - 90 dB<br>2000 to 2500 MHz - 85 dB<br>5000 to 6000 MHz - 80 dB |
| **Available sizes:**<br>All dimensions<br>L x W x H<br>Inch (mm)<br>Weight: lbs/Kg | **dbCHECK**<br>Ext: 11.9”(302) x 14.68”(373) x 8.68”(220)<br>Int: 11.25”(286) x 14”(356)x 8”(203)<br>8lbs / 3.6kg<br><br>**dbCHECK+**<br>Ext: 20.68”(525) x 14.68”(373) x 8.68”(220)<br>Int: 20”(508) x 14”(356)x 8”(203)<br>12lbs / 5.4kg | **I/O panel options**<br>RF Connectors:<br>Data:<br><br><br><br>Power: | <br>SMA, N, TNC, BNC<br><br>USB 2.0/USB 3.0 (backwards compatible)<br>Ethernet (POE) 10/100/1000 Base-T (1Gbps)<br>Audio<br>HDMI 1.4<br>DB9, DB15, DB25<br><br>AC 90-264V 50/60Hz<br>DC 100V, up to 20 A |
| **Warranty** | 2 year parts and labor<br>(with product registration) | **Optical:** | Waveguide pass-through for fiber insertion (includes 6 fibers)<br>Panel mount single or multi-mode fiber connectors |
| **Accessories** | 4921/31/32 Compatibility Kit<br>Provides Coupler and Mounting Compatibility With WillTek™, Areoflex™, Cobham™ Series RF Shield Boxes. | | |