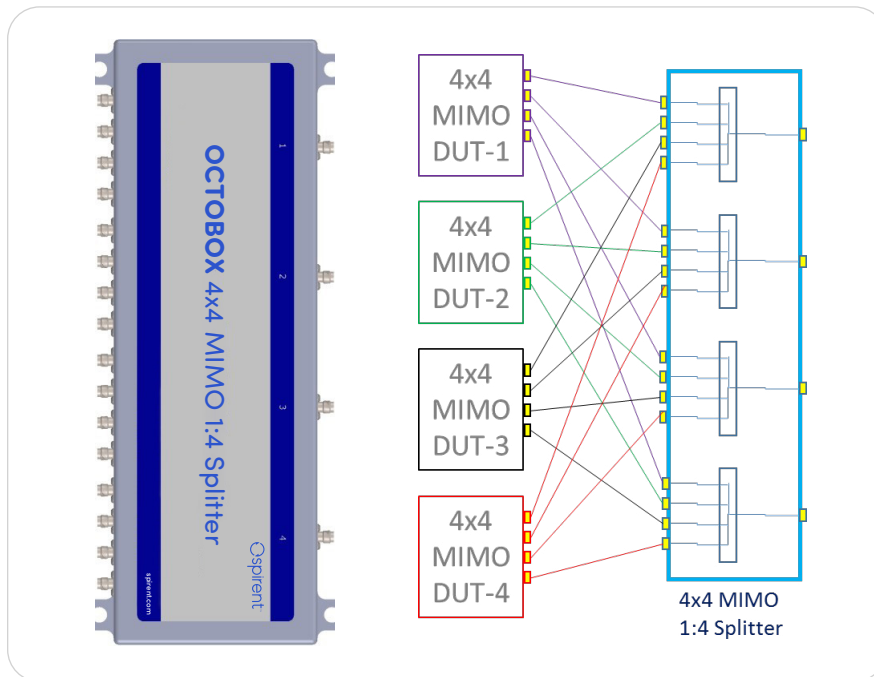


OCTOBOX[®] 4x4 MIMO

1:2 and 1:4 splitters

4x4 MIMO 1:2 and 1:4 RF splitter/combiners optimized for the 2 to 7.5 GHz frequency band for use in high isolation wireless testbeds

The OCTOBOX 4x4MIMO splitter/combiner modules contain 4 matched 1:2 or 1:4 splitters/combiners for combining up to 4 MIMO RF ports into one. Conveniently mountable to the side of the OCTOBOX, the 4x4MIMO modules can be used for creating wireless testbeds with multi-device topologies that require up to 4 MIMO devices to be coupled together. This module is completely isolated from outside interference and is specifically designed for use in high isolation OCTOBOX testbeds.



Typical interconnection diagram showing 4 MIMO DUTs (devices under test) connected to splitter ports

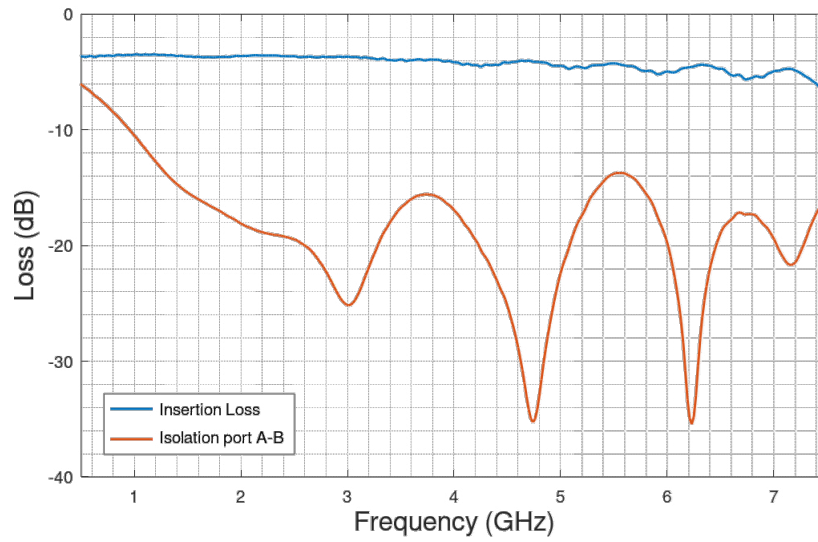
Applications

- Wi-Fi 6E, Bluetooth, D-LTE and LTE-Advanced testing
- OCTOBOX testbeds, including
 - Video over Wi-Fi and multi-room house
 - Roaming
 - Mesh
 - Wi-Fi Alliance certification

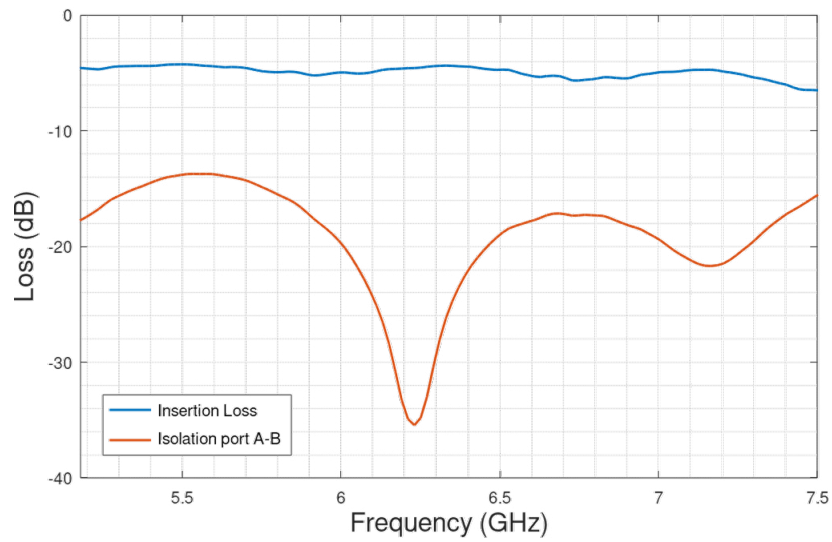
Specifications

- Frequency range: 700 MHz to 7.5 GHz
- Connectors: SMA
- Insertion loss (above theoretical 3/6 dB): 1 dB typ.
- Phase unbalance: 2 degrees typ. Amplitude unbalance: 0.1 dB typ. VSWR: 1.2 typ.
- Power Input (as a splitter): 10W max. Internal Dissipation: 1.2W max.
- DC Current (each port): 1A max. Completely isolated from outside interference

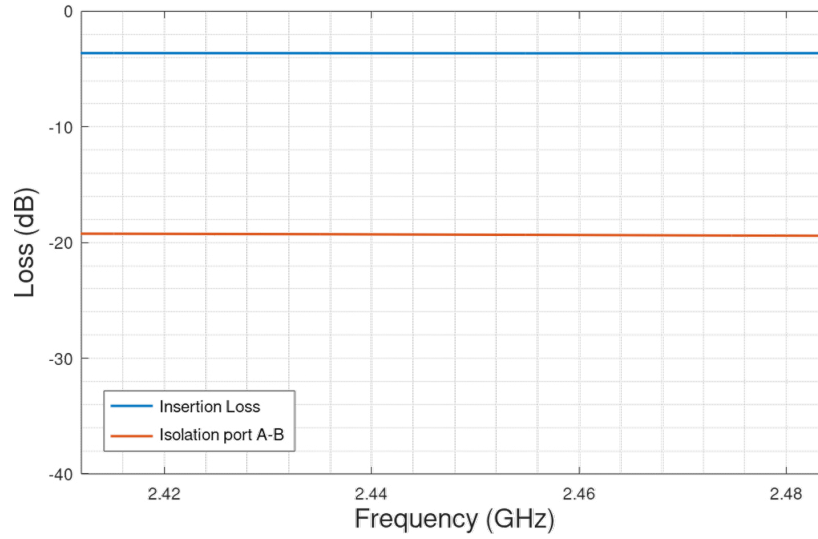
Typical Insertion loss and Isolation for 1:2 quadSplitter - full bandwidth



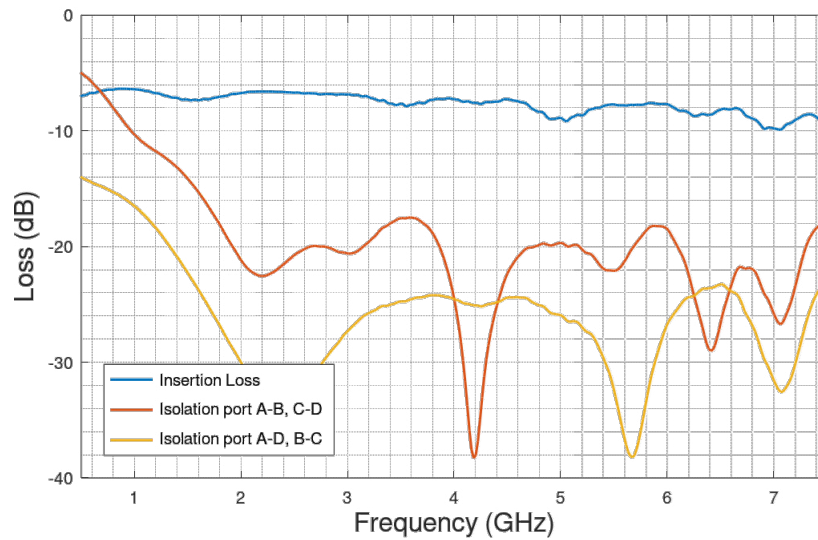
Typical Insertion loss and Isolation for 1:2 quadSplitter - 5 & 6 GHz Bands



Typical Insertion loss and Isolation for 1:2 quadSplitter - 2.4 GHz ISM Band



Typical Insertion loss and Isolation for 1:4 quadSplitter - full bandwidth

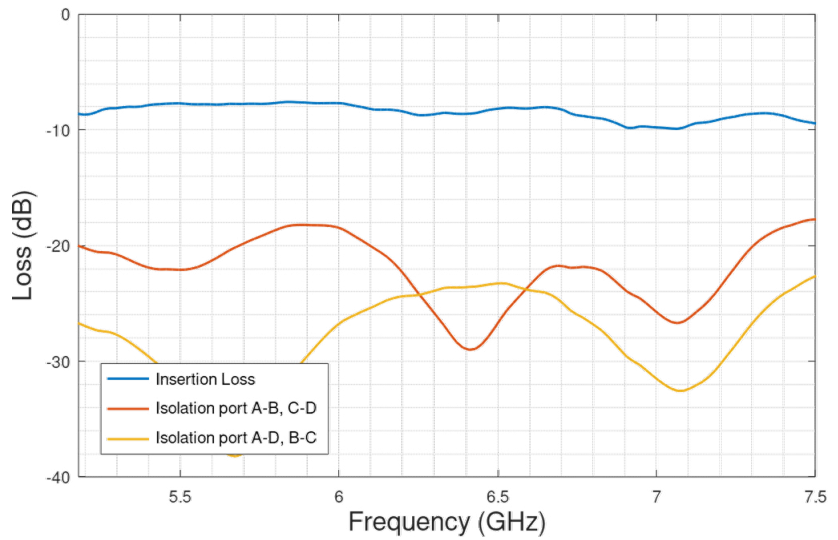


About Spirent

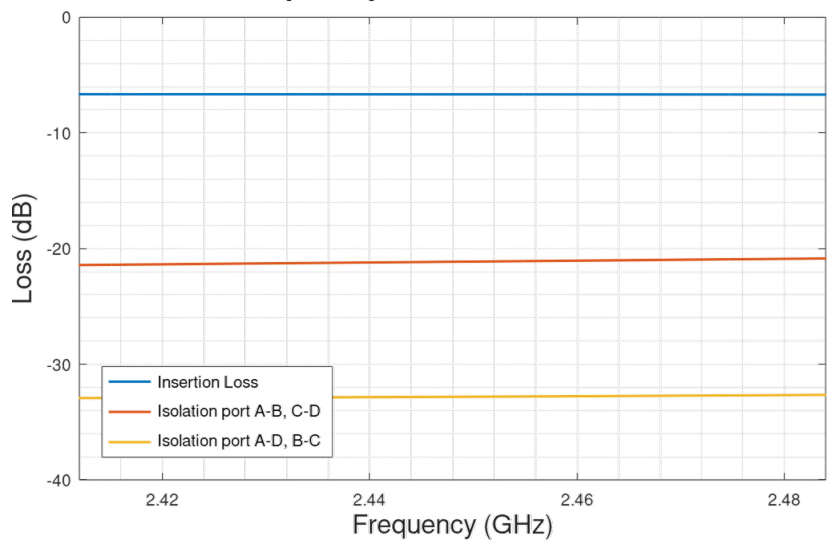
Spirent Communications (LSE: SPT) is a global leader with deep expertise and decades of experience in testing, assurance, analytics and security, serving developers, service providers, and enterprise networks. We help bring clarity to increasingly complex technological and business challenges. Spirent's customers have made a promise to their customers to deliver superior performance. Spirent assures that those promises are fulfilled.

For more information visit:
www.spirent.com

Typical Insertion loss and Isolation for 1:4 quadSplitter - 5 & 6 GHz bands



Typical Insertion loss and Isolation for 1:4 quadSplitter - 2.4 GHz ISM Band



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