

RF Test Position

Everything you need to start RF testing.

Enabling rapid testing and lab management for next-gen wireless networks

The LAMTA RF Test Position is a self-contained solution that is ideal for a smaller lab. It combines an RF shield box, RF attenuation equipment and control software to provide everything you need to start testing.



Efficiency

Reduces testing operating expenses & accelerates time-to-market by virtually eliminating test setup / tear-down times.



Reliable

Enables more sophisticated testing & increases confidence in test results by orchestrating all lab resources together through the same tool.



Quality

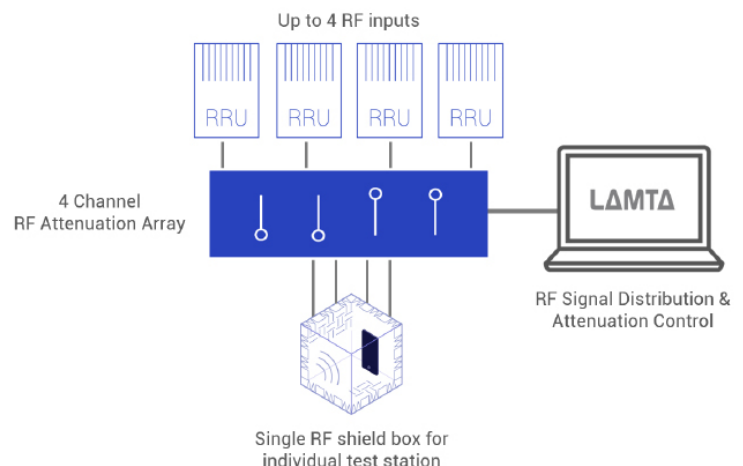
Optimizes lab resource usage with extensive lab management and organization features.



RF Test Position

Benefits

- Rack-mount RF shield box for testing smartphones, IoT devices or small Wi-Fi APs
- RF attenuation equipment for simulating advanced RF scenarios
- LAMTA control software for RF signal distribution and attenuation control

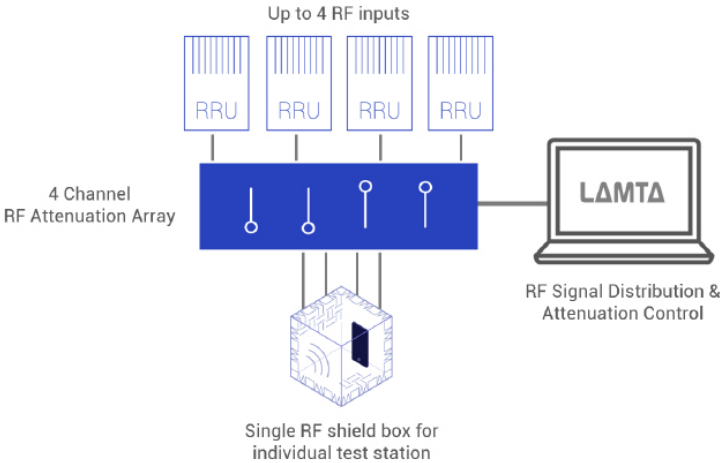


LAMTA RF Test Position

LAMTA-RTP-4

The LAMTA-RTP-4 is a package that includes the LAA4-0575BS 4 channel RF attenuation array. This features a frequency range of 0.5 to 7.5 GHz and an attenuation range of 0-95 dB in 0.25 dB steps. It is controlled by LAMTA software to seamlessly recreate complex RF testing scenarios.

LAMTA-RTP-4 also includes the LSB-CD15 drawer-style, rack-mountable RF shield box. It features four (4) SMA female antenna ports (antennas not included), 2xUSB3.0 ports, 2x1GB Ethernet ports and AC power strip.



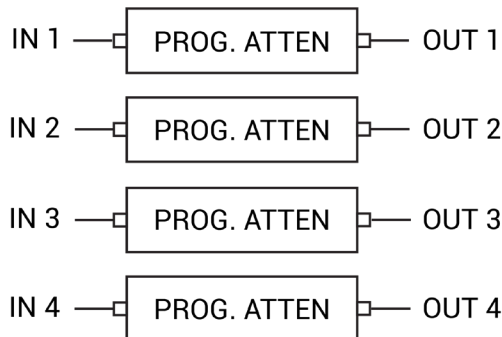
LAMTA RF Test Position

LAA4-0575 Attenuator



Features

- Up to four RF sources can connect to the LAMTA software-controlled attenuation array.
- LAMTA software controls the attenuation array to vary the signal strength on each RF path separately.
- Supports roaming and handover test cases and limited MIMO and Carrier Aggregation testing.**



Signal Diagram

Specifications

Frequency Range	0.5 – 7.5GHz
Impedance	50Ω
VSWR	1.5:1 Typical, 2.0:1 Maximum
Insertion Loss	<16dB
Attenuation Range	0-95dB/0.25dB step @ 0.5-6GHz 0-80dB/0.25dB step @ 6-7.5GHz
Attenuation Accuracy	(±0.3+5% Attenuation Setting) dB Typical
RF Input Power	30dBm
Switching Speed	2us typical
Remote Control	Ethernet (RJ45)
RF Connector	LAA4-0575BS: SMA Female LAA4-0575BN: N Female
Operating Temperature	0°C to +60°C
Power	+5VDC, 2.1A, 100-240 VAC @ 47-63Hz
Control	Remote: LAMTA software
Dimensions	130 x 67 x 21 mm

Also available upon request:

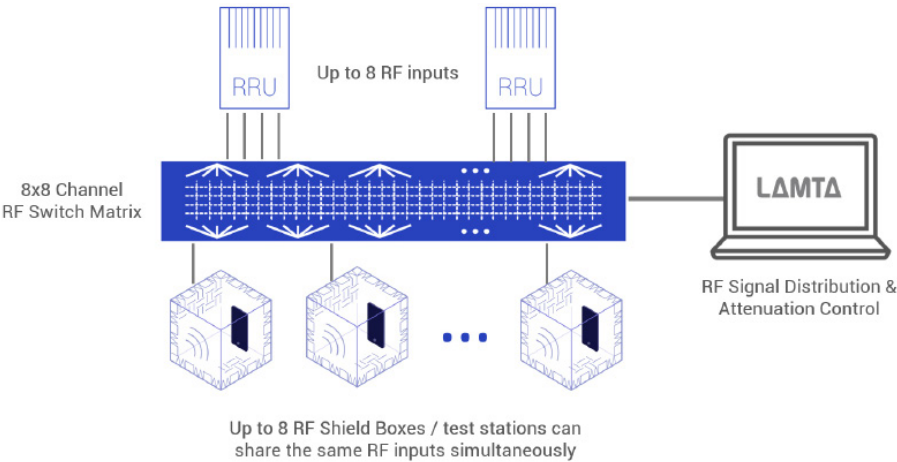
- 2 channel and 8 channel versions
- Desktop attenuators and other RF shield box configurations

LAMTA RF Test System

LAMTA-RTS-8-x

The LAMTA-RTS-8-x is a package that includes the LAMA8X8-0660AS/N non-blocking, programmable RF Attenuation Matrix. The device supports up to eight (8) RF inputs and eight (8) RF outputs. It can connect any combination of inputs to any combination of outputs, with a frequency range of 0.6 to 6 GHz and an attenuation range of 0 to 70 dB. A built-in power sensor provides the power detection function for all RF input ports in real time. It is controlled by the LAMTA software to seamlessly recreate complex RF testing scenarios.

LAMA8X8-0660AS/N fits in the standard 19-inch rack package, and it will simplify wireless test setups (such as for handover testing) with a high degree of accuracy and stability. LAMTA-RTS-8-x also supports up to eight (8) LSB-CD15 drawer-style, rack mountable RF shield boxes.

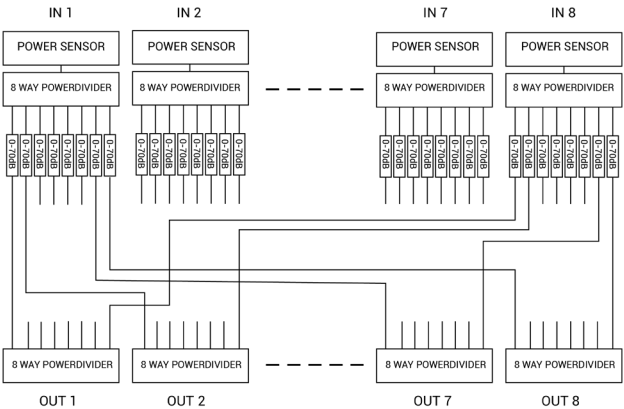


Features

- **Variable attenuators no longer required** at each test station.
- Attenuation is **managed centrally by LAMTA**.
- LAMTA controls the RF Attenuation Matrix which performs all signal routing, combining, splitting and attenuation. **Enables more complex RF testing such as MIMO and Carrier Aggregation.**
- Up to eight RRU / RF sources can connect to the 8x8 matrix inputs. **Supports more advanced test cases like MIMO and Carrier Aggregation.**
- **Expand your testing.** Up to eight RF shield boxes can connect to the 8x8 matrix outputs.
- **Only one RF feed is required for each test station, reducing cost and clutter.**

Specifications

Frequency Range	0.6-6GHz
Impedance	50Ω
VSWR	1.5:1 Typical, 2.0:1 Maximum
Insertion Loss	< 25dB @ 600MHz < 36dB @ 6GHz
Attenuation Range	0-70dB/0.25dB step
Attenuation Accuracy	(± 0.3+4%) dB@6GHz
RF Input Power	33dBm
Switching Speed	<50ns
Power Detection Dynamic Range	-5~+33dBm
Power Detection Accuracy	± 0.6dB
Remote Control	LAMTA software
RF Connector	LAMA8X8-0660AS: SMA Female Connectors LAMA8X8-0660AN: N Female Connectors
Operating Temperature	0 ° C to +60 ° C
AC Supply	100-240 VAC @ 47-63 Hz



Signal Diagram

Also available upon request:

- 16 channel and 32 channel versions
- Desktop attenuators and other RF shield box configurations

Selected RF Shield Box Options

LSB-CD15

- Wireless Communication Test, EMI Test, Coupling Test, RF Function Test.
- High quality, cost effective and fast delivery.
- 19" Drawer for easy placement.
- Maximum 2 Shielding Boxes per drawer



Frequency Range	DC-8GHz
Isolation	> 80dB
Operation Mode	Manual
Shield Box Material	Stainless Steel
Shield Box Size (mm)	483W x 450D x 114H
Number of Ports	USB3.0 x 2, Ethernet RJ45 1G x 2, SMA-F connectors x 4 (antennas not included) 110V AC 3 Socket x 1
Cooling	Cooling Fan + Vent x 1
Mounting	Rackmount Drawer
Temperature Range	10°C to +50°C

LSB-CD21N

- Wireless Communication Test, EMI Test, Coupling Test, RF Function Test.
- High quality, cost effective and fast delivery.
- 19" Drawer for easy placement.
- Maximum 2 Shielding Boxes per drawer



Frequency Range	DC-8GHz
Isolation	> 80dB
Operation Mode	Manual
Shield Box Material	Stainless Steel
Shield Box Size (mm)	483W x 450D x 114H
Number of Ports	USB3.0 x 2, Ethernet RJ45 1G x 2, SMA-F connectors x 4 (antennas not included) 110V AC 3 Socket x 1
Cooling	Dissipative
Mounting	Rackmount Drawer
Temperature Range	10°C to +50°C

