

quadAtten Programmable Attenuator

Module with 4 programmable RF attenuators individually controllable via USB or Ethernet/PoE * 90 dB range * 0.5 dB step

octoBox® quadAtten module contains 4 individually programmable RF attenuators. quadAtten offers the best RF isolation on the market, making it suitable for controlled octoBox wireless testbed environment. With its high power handling, quadAtten can be directly connected to an antenna port of an 802.11 device while maintaining signal linearity. Each of the 4 attenuators is individually programmable.

APPLICATIONS

- Wi-Fi (802.11a/b/g/p/n/ac) and cellular (GSM, UMTS, LTE, FDD, TD-LTE and LTE-Advanced) testing
- Throughput vs. range measurements when used with the octoBox testbed
- RX sensitivity measurements

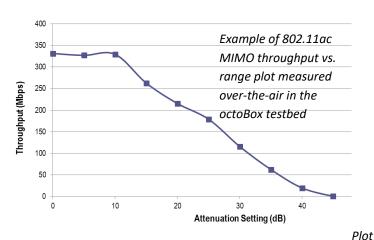
octoBox quadAtten is an exceptionally well isolated with filtered USB and Ethernet interfaces.



FEATURES & BENEFITS

- ♣ Frequency range: DC to 6000 MHz
- ♣ Dynamic range: 90 dB
- ♣ Step: 0.5 dB
- ♣ Insertion loss: 9 dB at 6000 MHz, typical
- ↓ 1 dB compression: 30 dBm
- ♣ IP3: 55 dBm
- Ethernet/PoE power and control interface
- Programmable via browser

octoBox software suite controls attenuators to produce throughput vs. range and throughput vs. range vs. orientation plots.



produced by OB-THROUGHPUT script

SPECIFICATIONS

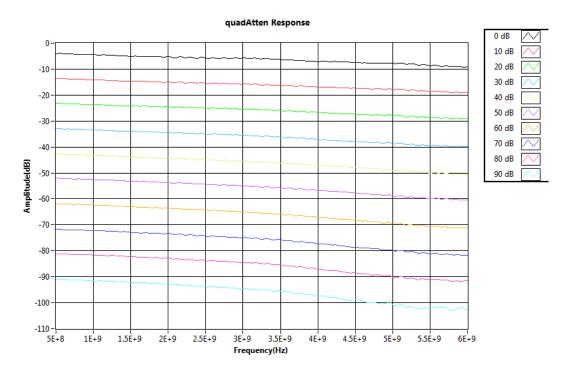
Parameter	Specification		
Frequency range	DC to 6000 MHz		
Dynamic range	0 to 90 dB		
Insertion loss	<3 GHz: 6 dB typical, 7 dB max	3-6 GHz: 9 dB typical, 10 dB max	
RF power	1 dB compression: 30 dBm	IP3: 55 dBm	
Resolution and accuracy	Resolution: +/- 0.5 dB steps	Accuracy: +/- 0.6 dB + 6% of value	
Isolation between attenuators	80 dB min		
RF connectors	SMA		
Dimensions	9.5" (24 cm) 1 2 3 4 OctoBox quadRitten LAN POE Tel. (973) 222-2114 WWW ACCIDACOM CARM EXPORTS OCTOBOLOGY CORE	1.5" (3.8 cm) 3.9" (9.9 cm)	
Power	Power over Ethernet (PoE), 2W max		

ATTENUATOR PROGRAMMING

QuadAttenuatorControl command line parameters

	Example	Description
-d	-d COM11	Selects the device to use either the com port, name,
	-d QuadName	IP address, or serial number. If –d is not specified
	-d 192.168.15.56	will look for a QuadAtten that is connected via USB.
	-d QA40516-02	
-c	-a 14.5 –c 1	Specifies the channel to set.
-a	-a 14.5	Sets the attenuation value. If no channel is specified
	-a 14.5 –c 1	will set all channels equal to this value.
-i	-i 192.168.15.56	Sets the IP address of the device.
-g	-g 192.168.15.1	Sets the Gateway address of the device.
-s	-s 255.255.255.0	Sets the subnet mask of the device.
-n	-n SignalAtten1	Sets a custom name used to help identify and
		address multiple quadAttens. (Max 20 characters no
		spaces)
-z	-Z	Returns information settings of the device. (Name,
		serial, firmware, IP address, subnet, gateway, MAC
		address, Ch1/2/3/4 settings)

TYPICAL RESPONSE VS. FREQUENCY



CONTACT

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