

RF2026 ATTENUATOR BOX

4 channel
100 MHz-8 GHz
20-110 dB

OVERVIEW

The RF2026 Attenuator Box is a digitally controlled, 4-channel RF attenuator system. It is intended for any automated RF testing where high accuracy signal power control is needed. The RF2026 offers very good attenuation accuracy, high dynamic range and speed.

The high performance of the attenuator box is obtained through a high precision attenuator design, along with extensive factory calibration procedures. Although the nominal setting is done with a 1 dB granularity, the actual attenuation is fed back from the attenuator. For the frequency range up to 6 GHz, this yields knowledge of the actual attenuation within +/-0.5 dB.

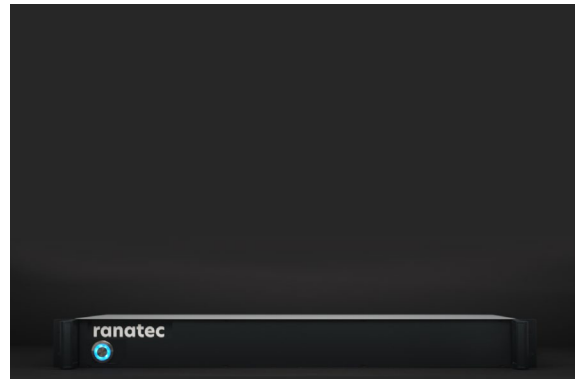
APPLICATION

The RF2026 is intended for any testing where accurate RF power control is needed over a wide dynamic range. Typical applications include transmitter, receiver as well as system level testing of mobile, WLAN and Bluetooth devices:

- During all phases of product development
- For (pre-)conformance testing/homologation
- Production testing / Quality assurance

CONTROL OPTIONS

- Web-interface, for manual operations
- Textual (SCPI-like) API



FEATURES

- 19" rack mountable, 1 U height
- Up to 8 GHz frequency range
- Up to 110 dB attenuation
- Attenuation steps of 1 dB
- 0.5 dB attenuation accuracy (up to 6 GHz)
- Four individually controlled RF channels
- Each channel individually calibrated
- Attenuation setting through web-interface or API

SPECIFICATION

Supply voltage	100-240 VAC, 50/60 Hz
Power consumption	< 40 W
Operating frequency	100 MHz - 8 GHz
Impedance	50 Ohm
Input power (max)	+33 dBm
Max DC at RF inputs	0 VDC
Return loss	>10 dB (any port)
Attenuation step size	1 dB
Attenuation accuracy	0.5 dB (up to 6 GHz) 2 dB (6 to 8 GHz)
Attenuation range	20-110 dB @ 0.1-6 GHz 24-100 dB @ 6-8 GHz
X-channel isolation	>100 dB
Dimensions	450x45x320 mm
Weight	3 kg
Connectors	50 ohm SMA(F)

ORDERING

RF2026 Attenuator Box