

RF2022B
RF Switch Box
Low PIM
DC – 18 GHz
12 x SP6T

OVERVIEW

The Ranatec RF2022B is a high-performance Low PIM RF Switch box with 12 switches, SP6T DC-18 GHz.

APPLICATION

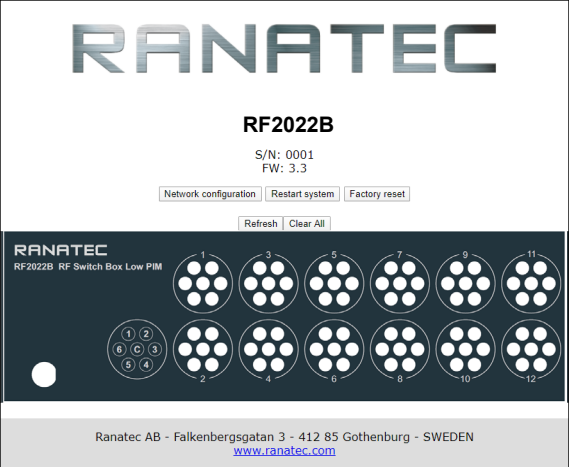
RF2022B is designed for applications such as:

- Production testing of mobile handsets
- Production testing of mobile basestations
- Built-In-Test (BITE) applications
- MIMO applications

CONTROL INTERFACES

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

All switches are controlled remotely via web-interface or API. It can be controlled from any computer in the network via TCP/IP sockets or via its internal web server. The communication protocol is very simple and independent from operating system, programming language etc.



Web-interface



FEATURES

- DC – 18 GHz RF frequency range
- Insertion loss 0.5 dB at 18 GHz
- Mechanical switches with high power and linearity

ELECTRICAL INTERFACES

Switch mode	Positive common Normally open
Switching time	< 15 ms
Operating frequency	DC-18 GHz
Impedance	50 Ohm
VSWR (max)	1.2 @ DC-3 GHz 1.3 @ 3-8 GHz 1.4 @ 8-12.4 GHz 1.5 @ 12.4-18 GHz
Insertion loss (max)	0.20 dB @ DC-3 GHz 0.30 dB @ 3-8 GHz 0.40 dB @ 8-12.4 GHz 0.50 dB @ 12.4-18 GHz
Isolation (min)	80 dB @ DC-3 GHz 70 dB @ 3-8 GHz 60 dB @ 8-12.4 GHz 60 dB @ 12.4-18 GHz
Passive intermodulation	Tone 1: 1810 MHz, 43 dBm Tone 2: 1850 MHz, 43 dBm 3 rd PIM, - 160 dBc @ 1770 MHz
Size	19", 3 U
RF input/output connector	SMA (F)
Operating temperature	0 to 50°C
Storage temperature	-20 to 70°C
Relative humidity	95% at +40°C

ORDERING

RF2022B

RF Switch Box Low PIM