

Brochure

VIAVI

Multi-Receiver Option

For the RGS-2000NG (RGSNGOPT14)

The Multi-Receiver option provides the capability and corresponding software screens to create scenarios of multiple targets and messages.

Multiple Targets and Messages

These scenarios can be transmitted on up to three different frequencies: 1090 MHz, 1030 MHz and 978 MHz. This allows the user to create scenarios with targets from each frequency band to test that the multi-receiver can simultaneously receive these messages. The UAT and 1090 messages will be transmitted on the top and bottom ports. The 1030 messages will be transmitted on the selected port.

This option requires that the Transponder Option (RGSNGOPT10) has been purchased and installed on the RGS-2000NG.

Multi-Receiver Test Screens

Measurement Screen

Two channel oscilloscope screen with trigger and port selections available

Own Aircraft Screen

Settings available include: Mode S Address; Latitude; Longitude; Altitude; Heading

The RGS-2000NG NextGen TCAS Test Set is designed for the following test applications:

- Engineering development, certification, manufacturing and service
- Performs most MOPS tests for DO-185A, DO-185B, DO-260, DO-260A, DO-260B, DO-181E and DO-300
- TCAS computers
- ADS-B In Receivers
- ADS-B In Ground Station Receivers
- ADS-R, TIS-B Ground Station Transmitters
- Transponders Mode S/ADS-B Out (transponder option)



Multi-Receiver Test Screens (continued)

RTCA/DO-260 Test Screen (Option)

See DO-260B MOPS Test Option (RGSNGOPT15) product brief, document p/n RGSNGOPT14-pb-rtts-nse-ae.

Receiver Screen

Indicators display types of messages being received. Messages can be captured, displayed, and logged in a data file.

Scenario Screen

Gives user ability to create scenarios and setup:

- Scenario duration
- 1090 MHz ADS-B dynamic and static targets
- 1030 MHz ground station and TCAS messages
- 978 MHz UAT dynamic and static targets
- Initial MSO for dynamic and static
- Dynamic and static UAT enable
- MSO step dynamic and static UAT

Additional Scenario settings:

- Capture squitters and data logging
- Static test mode
- Slant range
- Re-compile after load
- Power mode
- UAT I/Q filter magnitude
- UAT horizontal spacing



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