R&S®GB5400 Operator Working Position

Specifications

Data Sheet
Version 02.00

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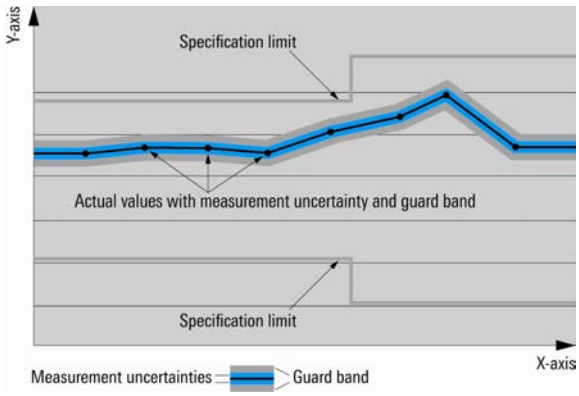
1. Definitions

General
Product data applies under the following conditions:

- Three hours storage at ambient temperature followed by 30 minutes warm-up operation
- Specified environmental conditions met
- Recommended calibration interval adhered to
- All internal automatic adjustments performed, if applicable

Specifications with limits
Represent warranted product performance by means of a range of values for the specified parameter. These specifications are marked with limiting symbols such as <, ≤, >, ≥, ±, or descriptions such as maximum, limit of, minimum. Compliance is ensured by testing or is derived from the design. Test limits are narrowed by guard bands to take into account measurement uncertainties, drift and aging, if applicable.



Specifications without limits
Represent warranted product performance for the specified parameter. These specifications are not specially marked and represent values with no or negligible deviations from the given value (e.g. dimensions or resolution of a setting parameter). Compliance is ensured by design.

Typical data (typ.)
Characterizes product performance by means of representative information for the given parameter. When marked with <, > or as a range, it represents the performance met by approximately 80 % of the instruments at production time. Otherwise, it represents the mean value.

Nominal values (nom.)
Characterize product performance by means of a representative value for the given parameter (e.g. nominal impedance). In contrast to typical data, a statistical evaluation does not take place and the parameter is not tested during production.

Measured values (meas.)
Characterize expected product performance by means of measurement results gained from individual samples.

Uncertainties
Represent limits of measurement uncertainty for a given measurand. Uncertainty is defined with a coverage factor of 2 and has been calculated In line with the rules of the Guide to the Expression of Uncertainty in Measurement (GUM), taking into account environmental conditions, aging, wear and tear.

Device settings and GUI parameters are indicated as follows: “parameter: value”.

Typical data as well as nominal and measured values are not warranted by Rohde & Schwarz.

2. Introduction

The M321 mechanical chassis represents a support for mounting different devices used for ATC communication. Together, the mechanical chassis and the mounted devices form the R&S®GB5400 Operator Working Position.

3. R&S®GB5400 Overview

The M321 mechanical chassis is suited for integrating the following items:

- R&S®GB5400 Controller Working Position
- R&S®GB5400T Touchscreen 25 cm
- R&S®GB5400V Audiobox Headset/Handset
- R&S®GB5400V Audiobox Loudspeaker
- R&S®GB5400V Audiobox Recorder
- R&S®GA5410 Loudspeaker - VESA mount

The figures below illustrate the physical appearance of the device.

Figure 3.1: R&S®GB5400 Overview - General View

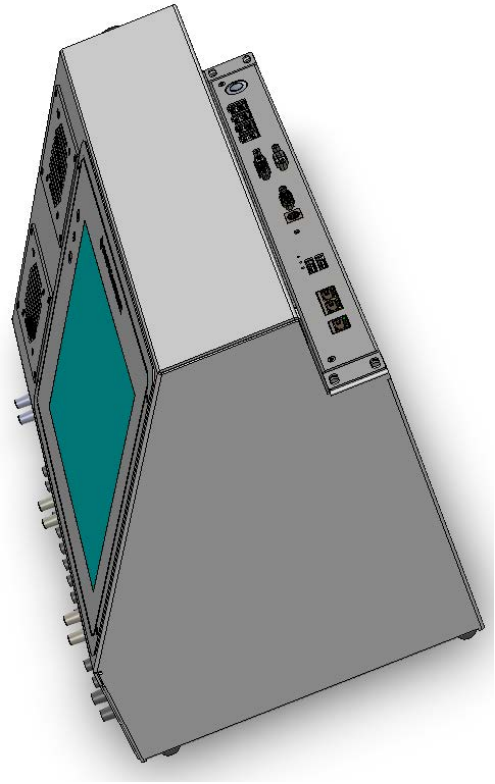


Figure 3.2: R&S®GB5400 Overview - Front View

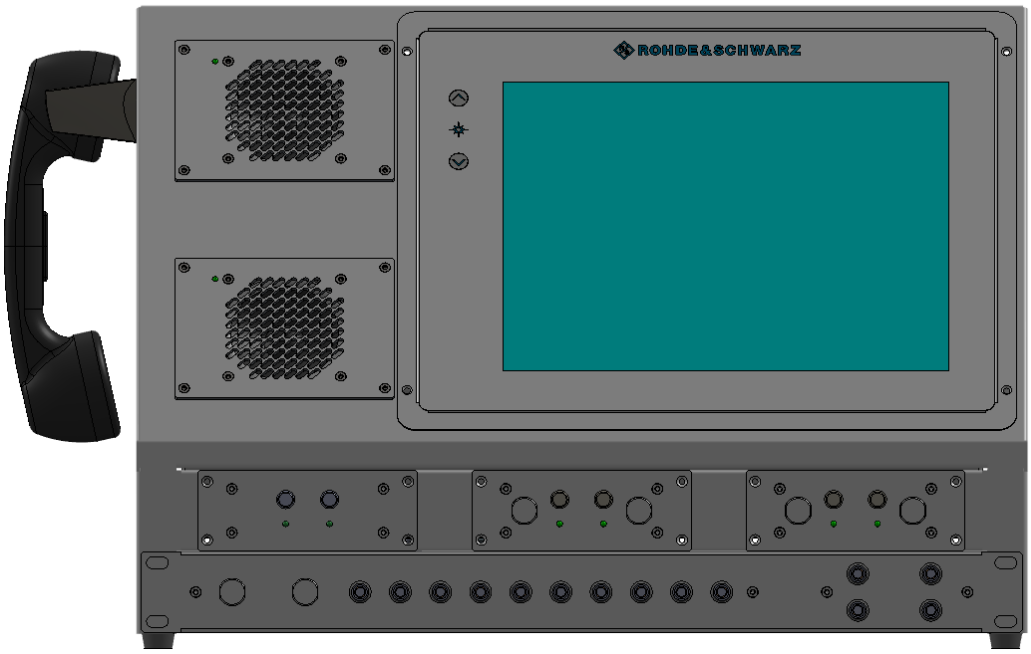
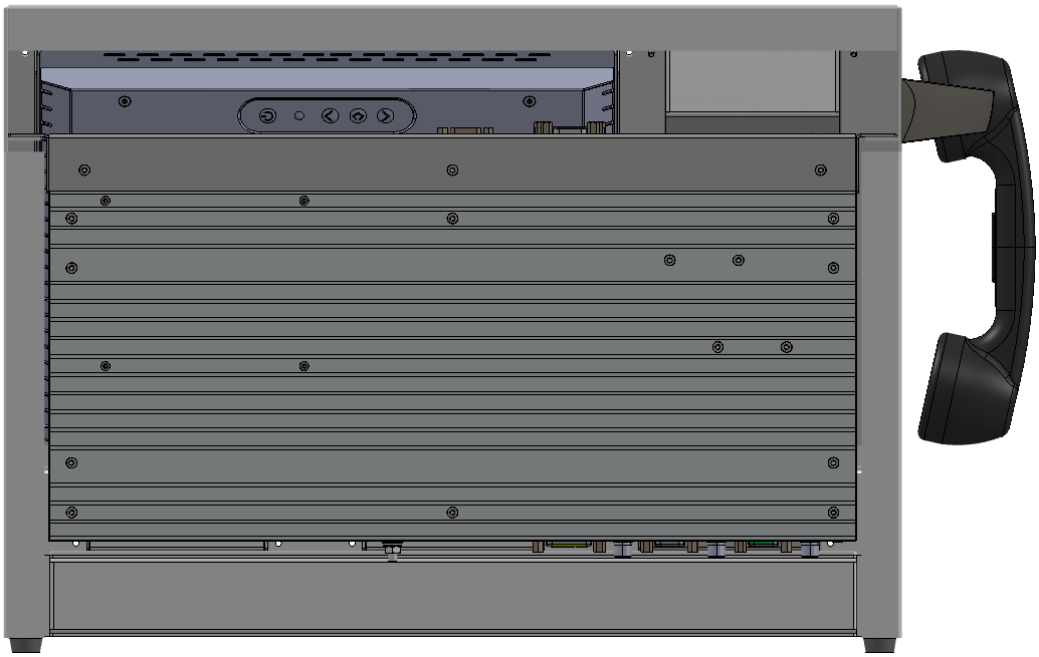


Figure 3.3: R&S®GB5400 Overview - Rear View



4. Technical Specification

4.1. General Data

Mechanical Data	
Dimensions (W x H x D)	488 mm x 352.58 mm x 308.74 mm

4.2. Environmental Conditions

4.2.1. Operation Environment

The M321 mechanical chassis is designed to be installed in an office space. The M321 mechanical chassis is not intended for outdoor installation or for installations in an environment that can negatively influence the functionality of the mechanical chassis and the mounted devices (e.g. environment with danger of explosion or humid and wet surroundings).

4.2.2. Protection

The M321 mechanical chassis must be protected against:

- Mechanical damage
- Improper handling, including:
  - Device installation that can negatively influence the operation and function of the chassis or the installed equipment
  - Change in the construction or design of the cabinet
  - A different usage than the one the cabinet is intended for

4.3. Environmental Protection

After decommissioning, the cabinet must be disposed of according to relevant regulations.

4.3.1. Electrical Conditions

The following conditions must be respected:

- Existence of a free 110 V AC/240 V AC; 50 Hz/60 Hz socket
- The socket must be grounded

4.4. Electromagnetic Compatibility (EMC)

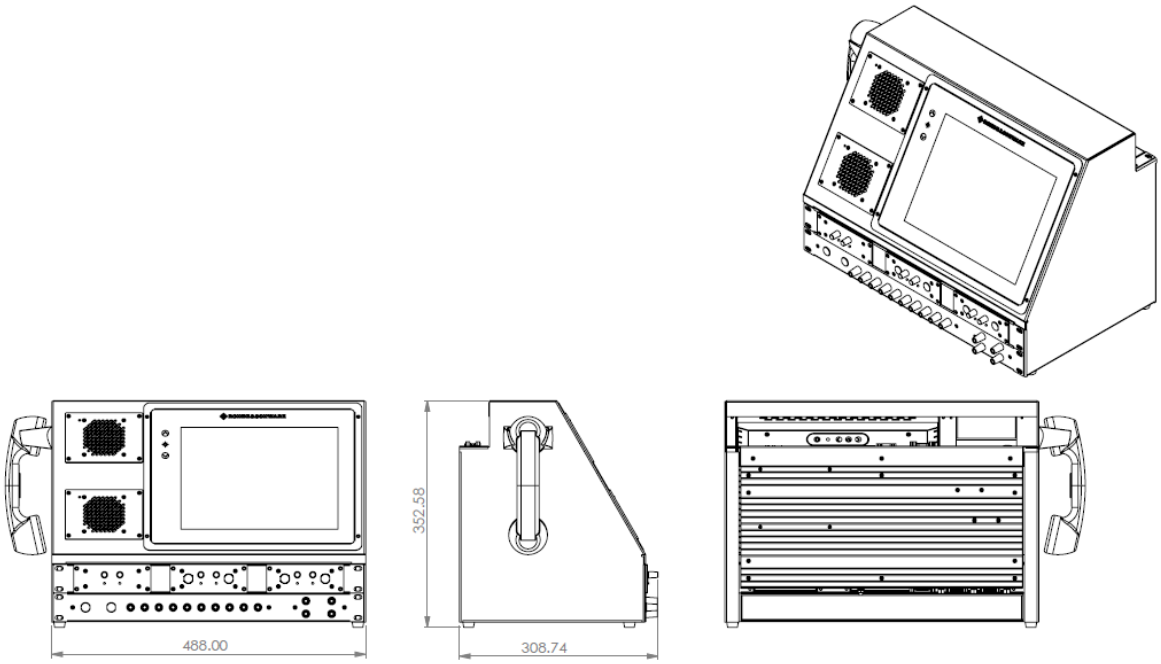
Emissions	In line with EN 55032:2015
Immunity to interfering field strength	In line with EN 55035:2017 In line with EN 61000-3-2:2014 In line with EN 61000-3-3:2013 In line with EN 61000-4-11:2008

4.5. Electrical Safety

Compliance	In line with EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 and EN 62368-1:2014 + AC:2015

4.6. Mechanical Layout

Figure 4.1: Technical Specification - Mechanical Dimensions



Note: All measurements shown are in millimeters (mm) unless otherwise noted.

5. Packing List

Item	Pcs.
Operator Working Position with Mechanical Chassis M321 / GB5400 / **6202.3794.00**	1
Controller Working Position / GB5400 / CP2004.8.11.0	1
TS12” Litemax / SLP1268-ETB-G02-02	2
Audiobox Headset/Handset / GB5400V / CP2022.10.1	1
Audiobox Loudspeaker / GB5400V / CP2023.5	1
VoxPoint REC / CP2042.3	1
Loudspeaker / CP2019.3 / VESA mount	2

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