



## DL-E 06-165/T-EN54

- high sound pressure level
- low mounting depth
- antistatic plastic contact protection



EN 54-24:2008  
**Ref. Nr.:** 012-13  
**ID-Code:** SAA-LS12  
 1438-CPR-0997

ic audio GmbH, Boehringerstraße 14a,  
 D-68307 Mannheim, Germany

CE-Symbol gemäß Richtlinie 93/68EWG

### Technical Data (Electrical)

Description	DL-E 06-165/T-EN54
Power	6/3/1,5 W
Impedance (100V)	1667/3333/6667 ohm
Frequency Range	300 - 19.300 Hz
Frequency Response	70 - 23.500 Hz
SPL IEC268-5, 1W/1m	91,0 dB (plastic) 90,0 dB (metal)
SPL EN54-24, Pmax/4m	85,0 dB
Sensitivity EN54-24, 1W/4m	79,2 dB (plastic) 78 dB (metal)
Sensitivity EN54-24, 1W/1m	91,2 dB
Dispersion -6dB, 500Hz	plastic/metal 180°
Dispersion -6dB, 1KHz	plastic/metal 180°

Dispersion -6dB, 2KHz plastic/metal 135°

Dispersion -6dB, 4KHz plastic/metal 60°

Please note: Because of many different types of ceiling materials and ceiling strengths we recommend to build in a sample of the speaker to match the requirements accurately.

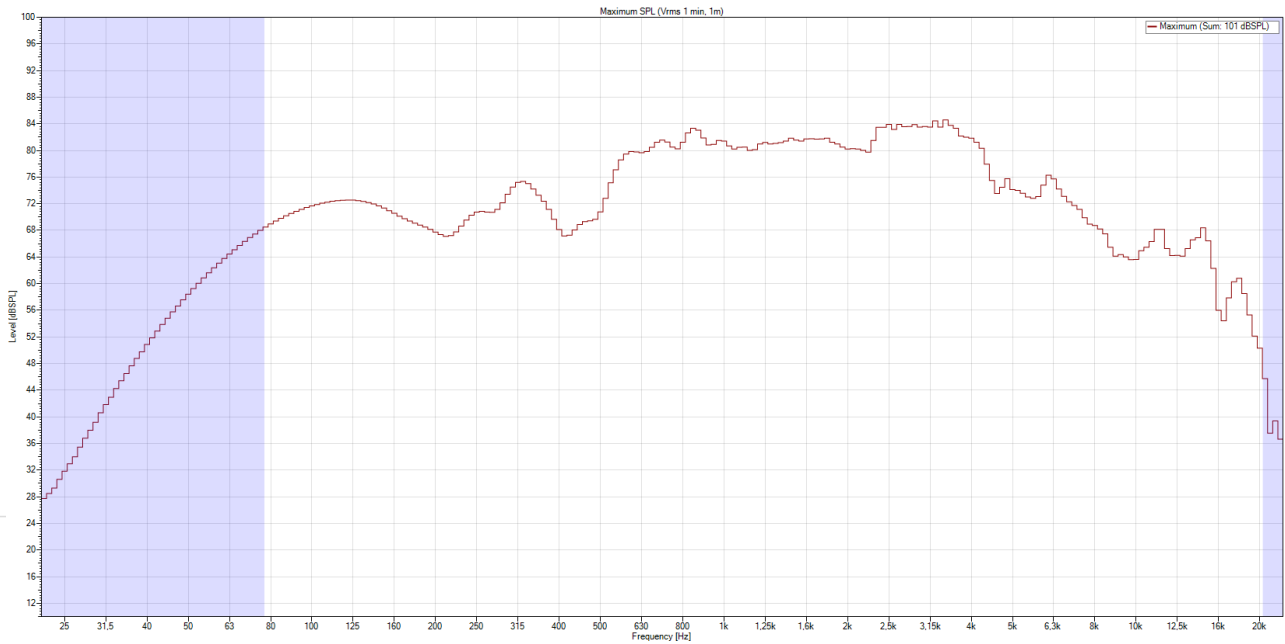
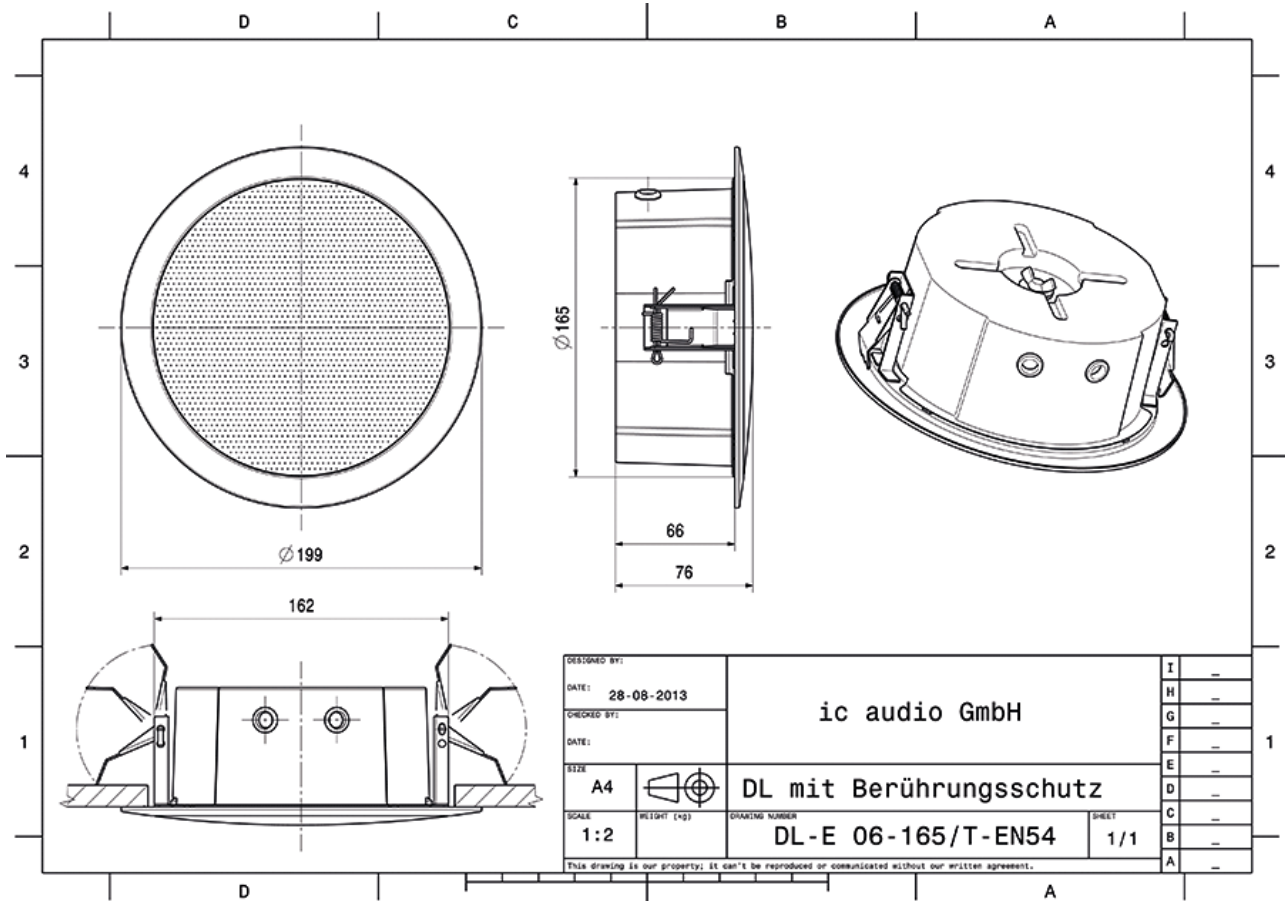
## Technical Data (Mechanical)

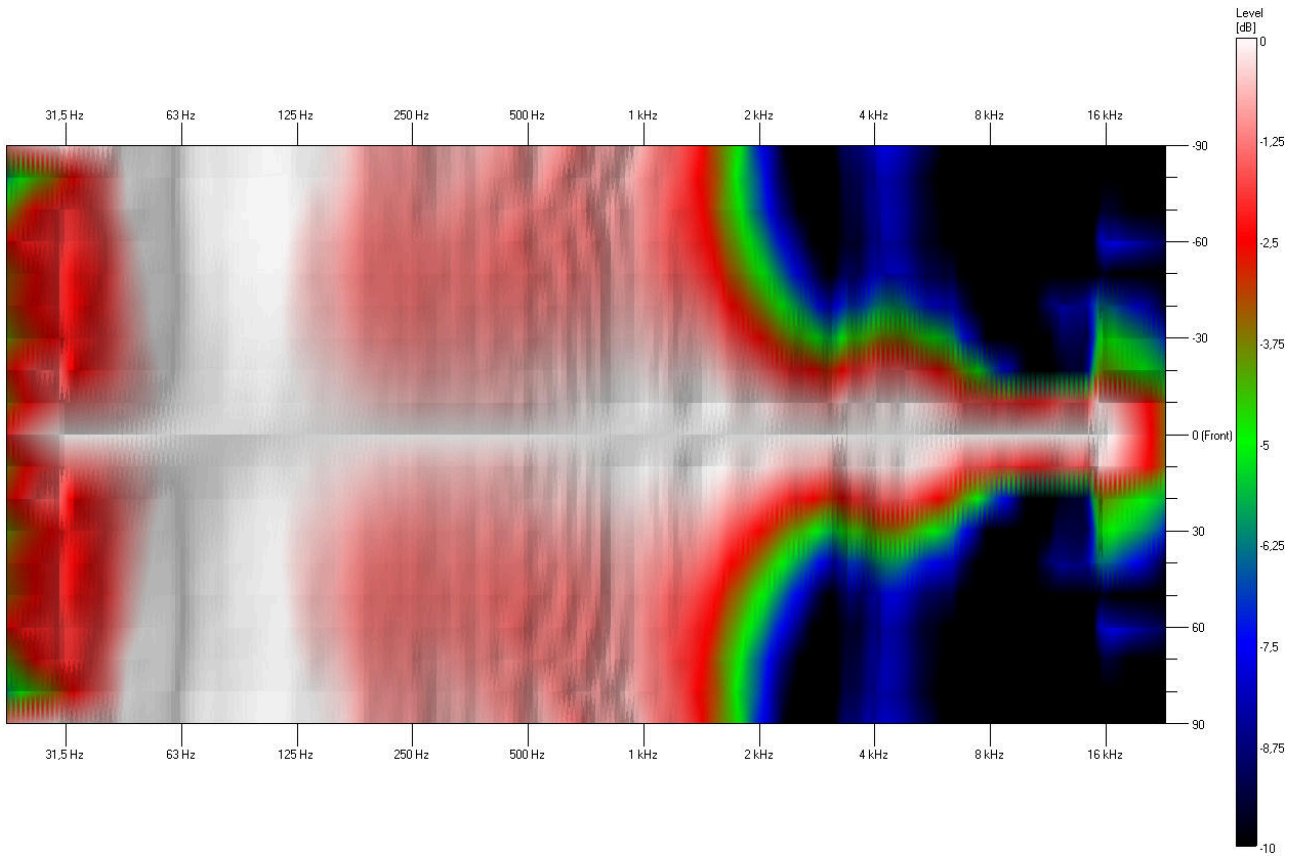
Dimensions	199x72 mm (plastic) 199x96 mm (metal)
IP Rating	IP21
Weight (net)	0,72 kg (plastic) 0,92 kg (metal)
Ceiling Cut-out	166 mm
Temperature Range	-10 / +55 °C
Mounting	spring clamp
Connector	4-pin screw terminal
Terminal Diameter	2,5 mm
Maximum Cable Passage	4,9 mm <sup>2</sup>
Colour	RAL 9016

## Product Attributes

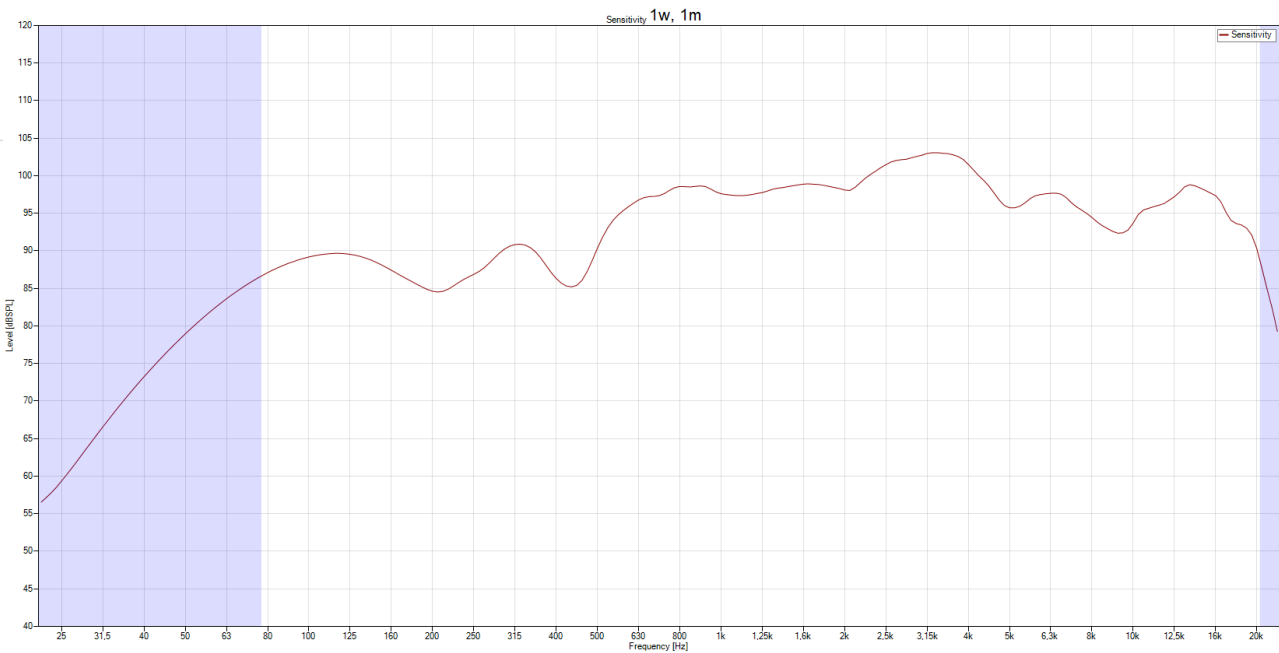


## Technical Diagrams

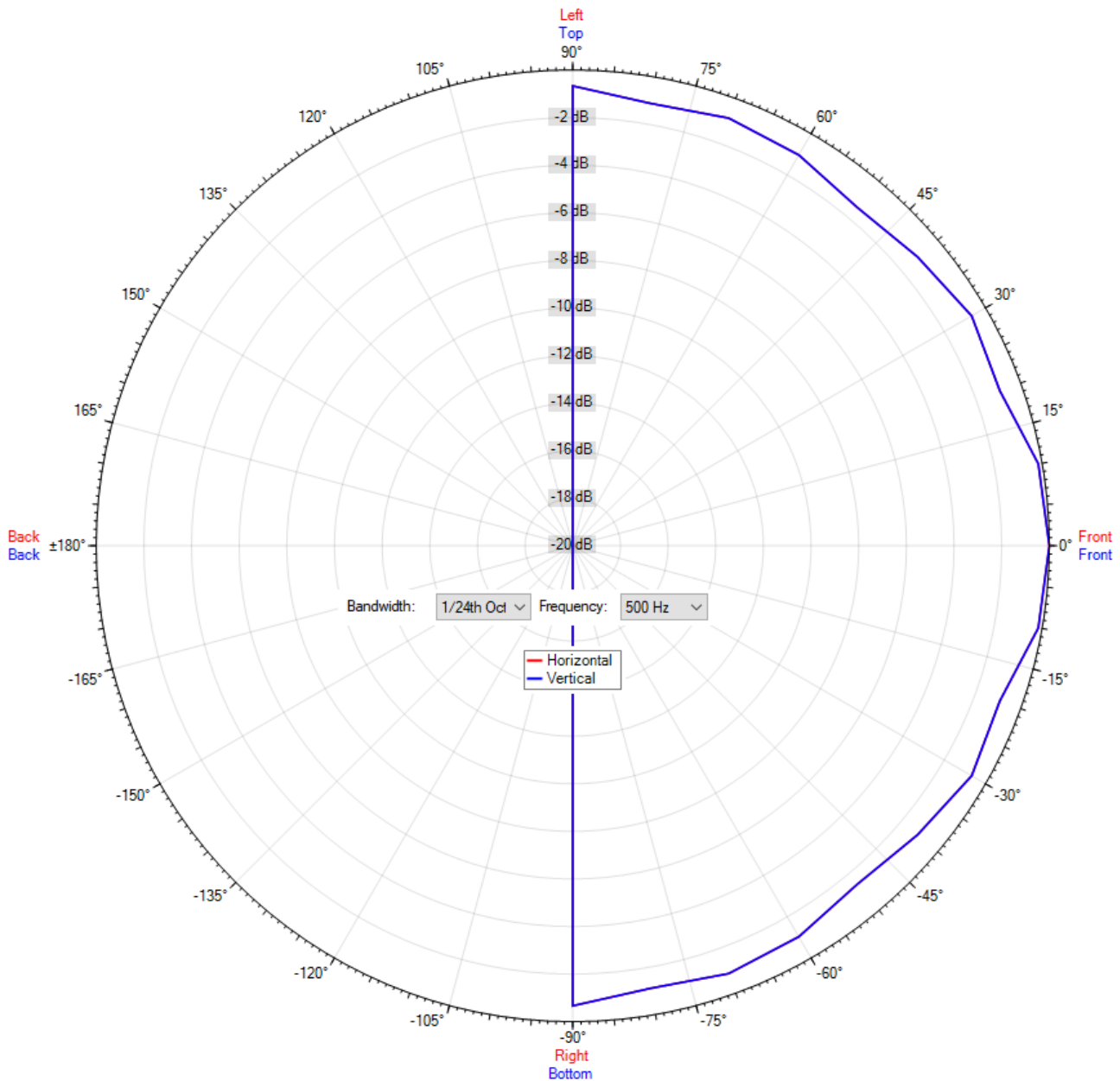


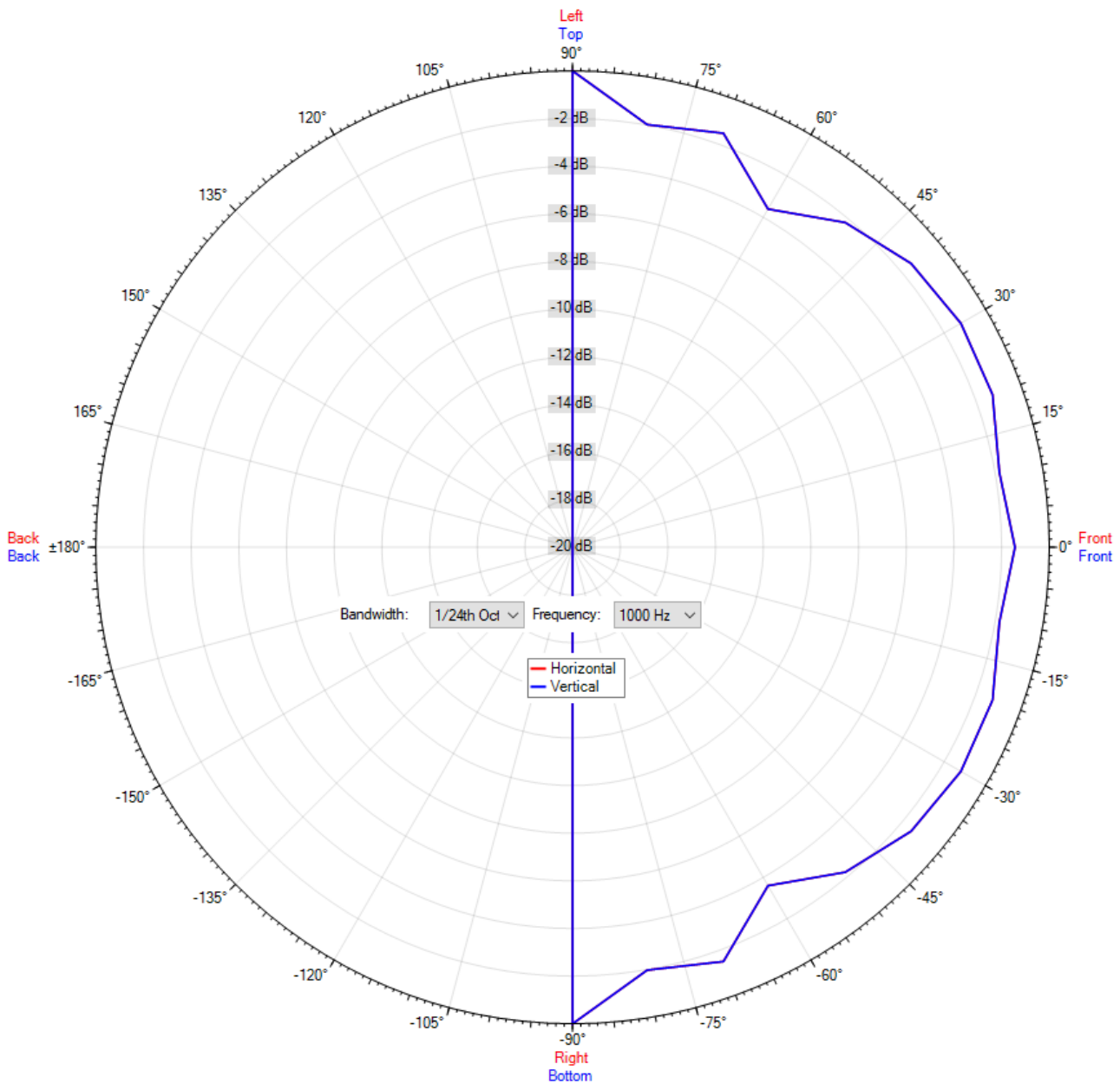


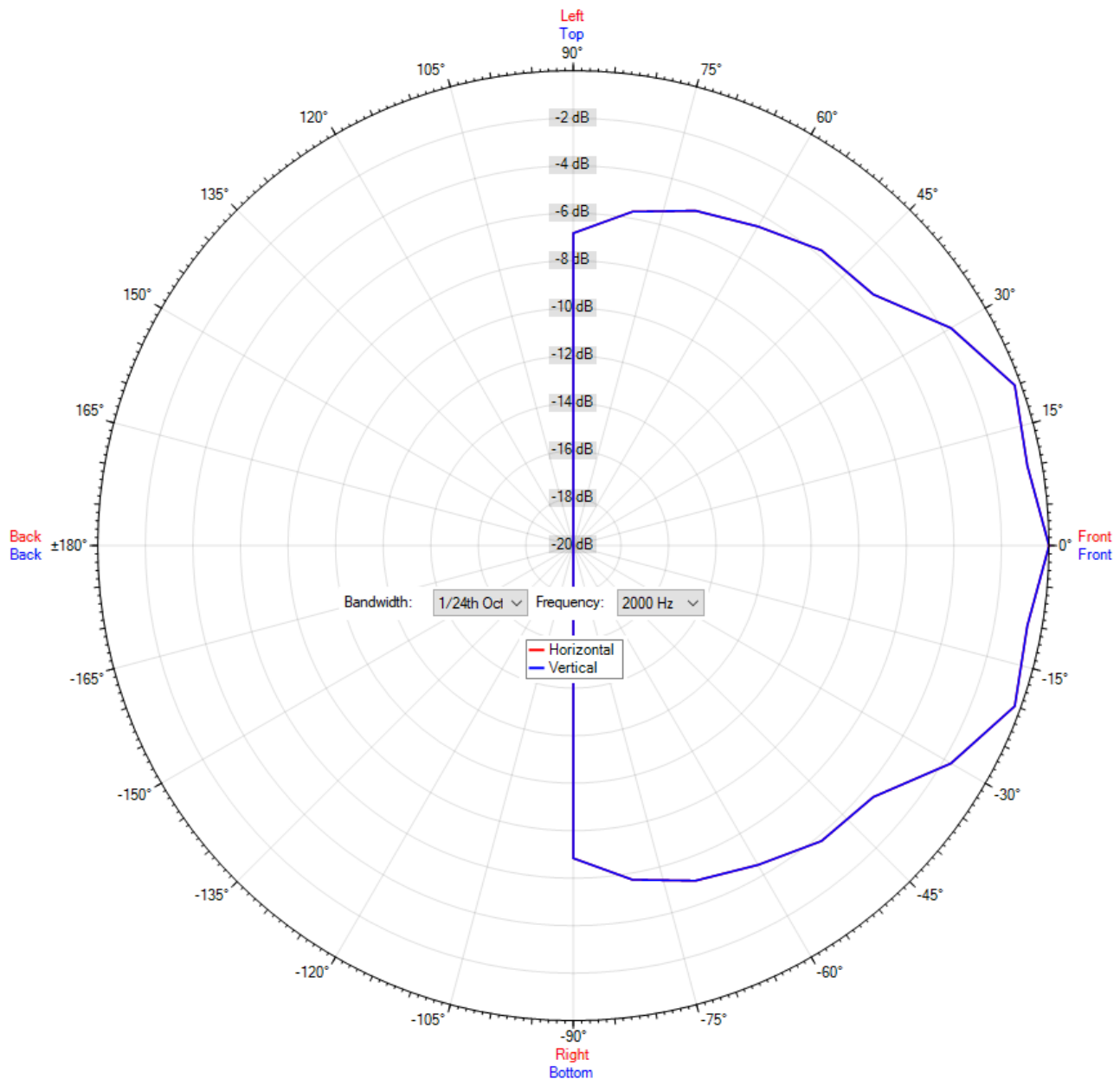
## Frequency Response Diagrams

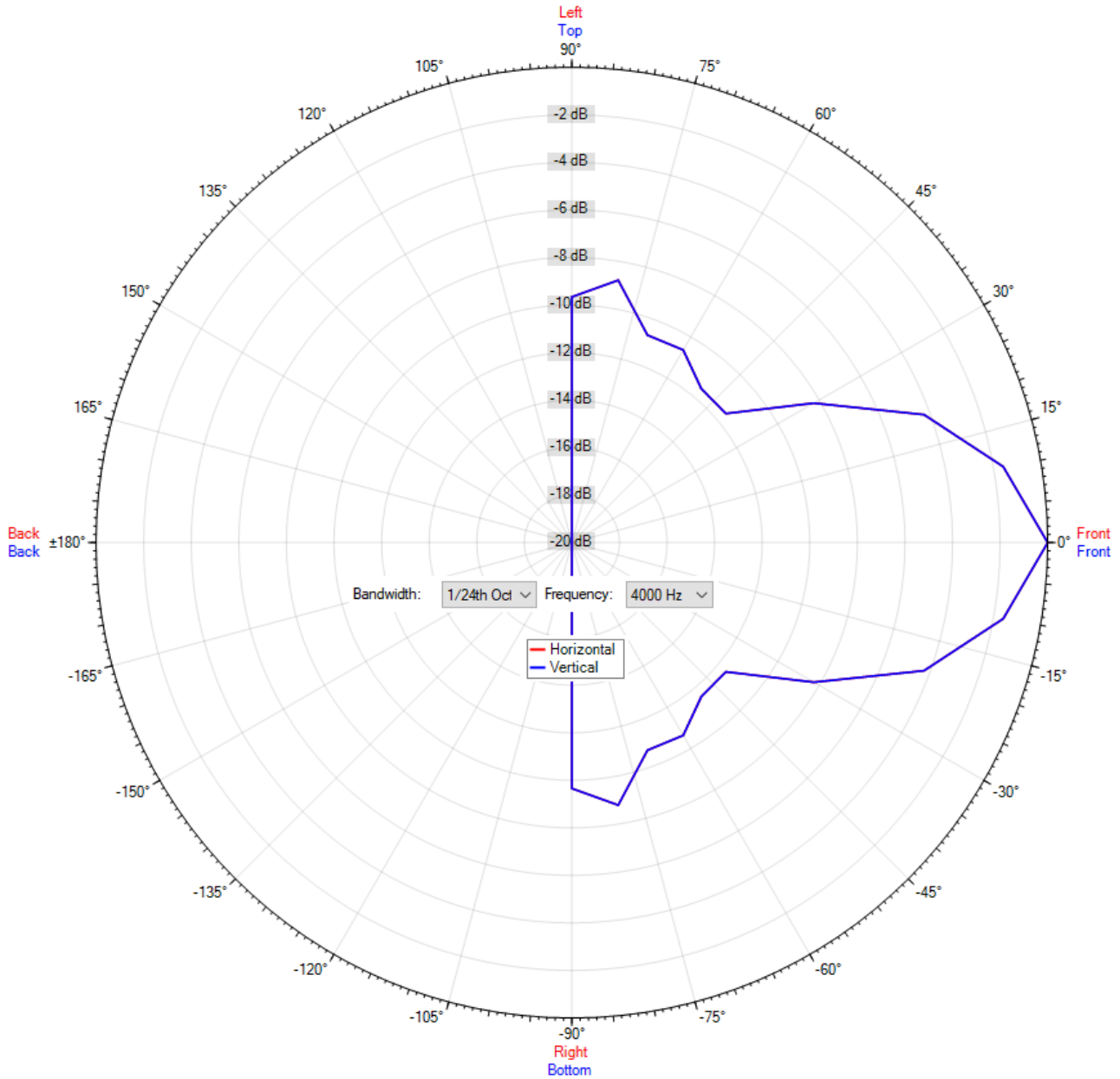


## Polar Diagrams

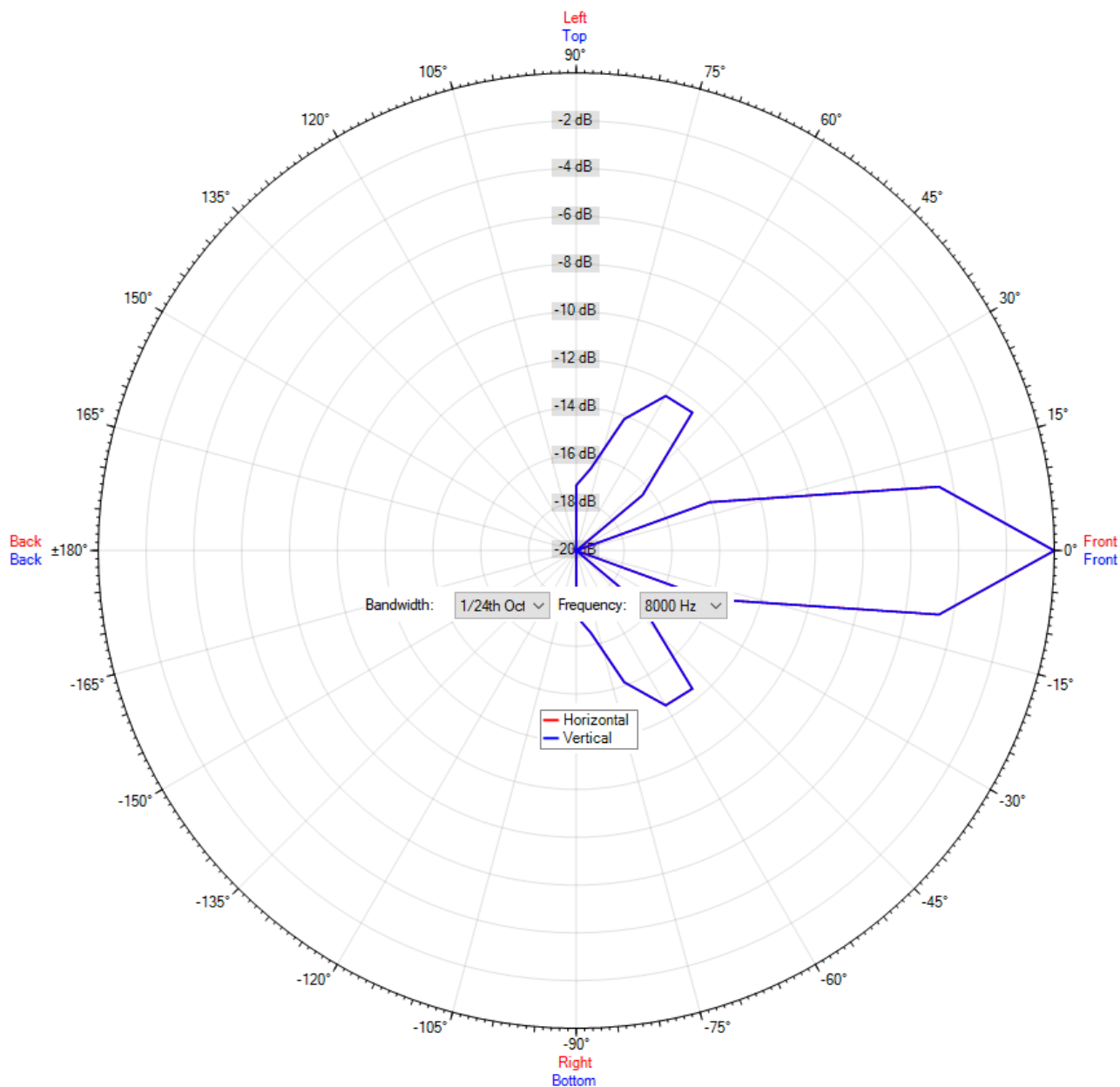












ic audio loudspeakers are tested and classified according to the IEC standard 60529 (degree of protection by enclosure) against the penetration of foreign objects and moisture. The classification is conforming to standards through characterization with a fixed code. This code consists of the letters IP (International Protection) followed by two digits. The first digit indicates the degree of protection against dust and the second digit the degree of protection against water. Please note that the testing of the products has been carried out in laboratory conditions which are not always 100% comparable with the conditions of different installation environments. This protection can be reduced due to normal wear and tear depending on the installation environment.

RoHS compliant (2011/65/EU)

The IP rating specified is based on ic audio test results, not on CNBOP-PIB test results. Certification only verifies the minimum requirements for EN54-24 compliance.

**Article Nr.:** 20132653

**Packing Unit: 12**

