DL-A 10-165/T-EN54 SKD

- unobtrusive installation
- vandal-proof
- BS 5839

EN 54-24:2008
Ref. Nr.: 004-13
ID-Code: SAA-LS04
1438-CPR-0232

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

CE-Symbol gemäß Richtlinie 93/68EWG

Technical Data (Electrical)

Description	DL-A 10-165/T-EN54 SKD
Power	10/6/3/1,5 W
Impedance (100V)	1000/1667/3333/6667 ohm
Frequency Range	290 - 23.400 Hz
Frequency Response	230 - 24.000 Hz
SPL IEC268-5, 1W/1m	93,0 dB
SPL EN54-24, Pmax/4m	89,0 dB
Sensitivity EN54-24, 1W/4m	81,0 dB
Sensitivity EN54-24, 1W/1m	93,0 dB
Dispersion -6dB, 500Hz	h/v 360°
Dispersion -6dB, 1KHz	h/v 210°
Dispersion -6dB, 2KHz	h/v 95°

Dispersion -6dB, 4KHz	h/v 50°

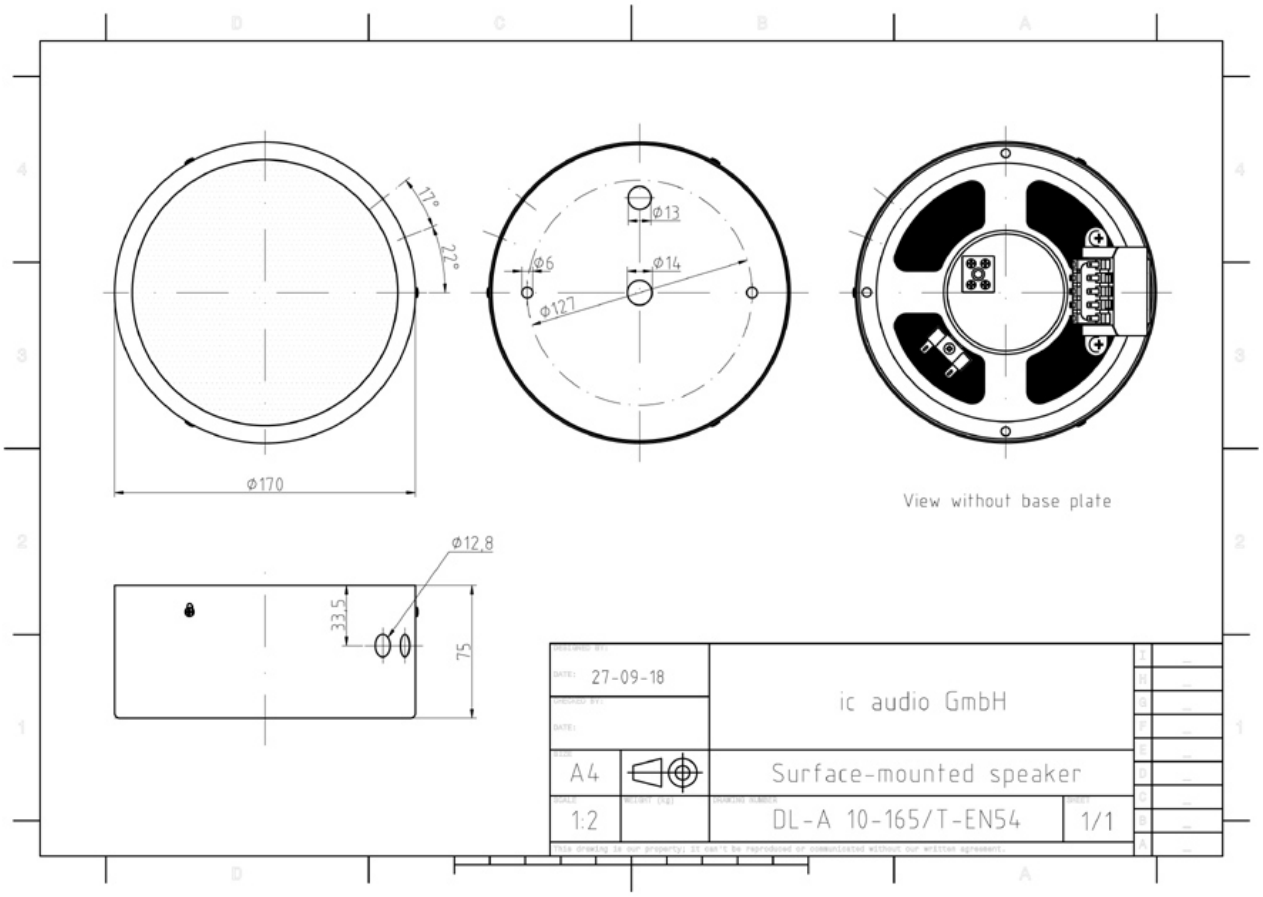
Please note: Because of many different types of ceiling materials and ceiling strengths we recommend to build in a sample of the speaker to match the requirements accurately.

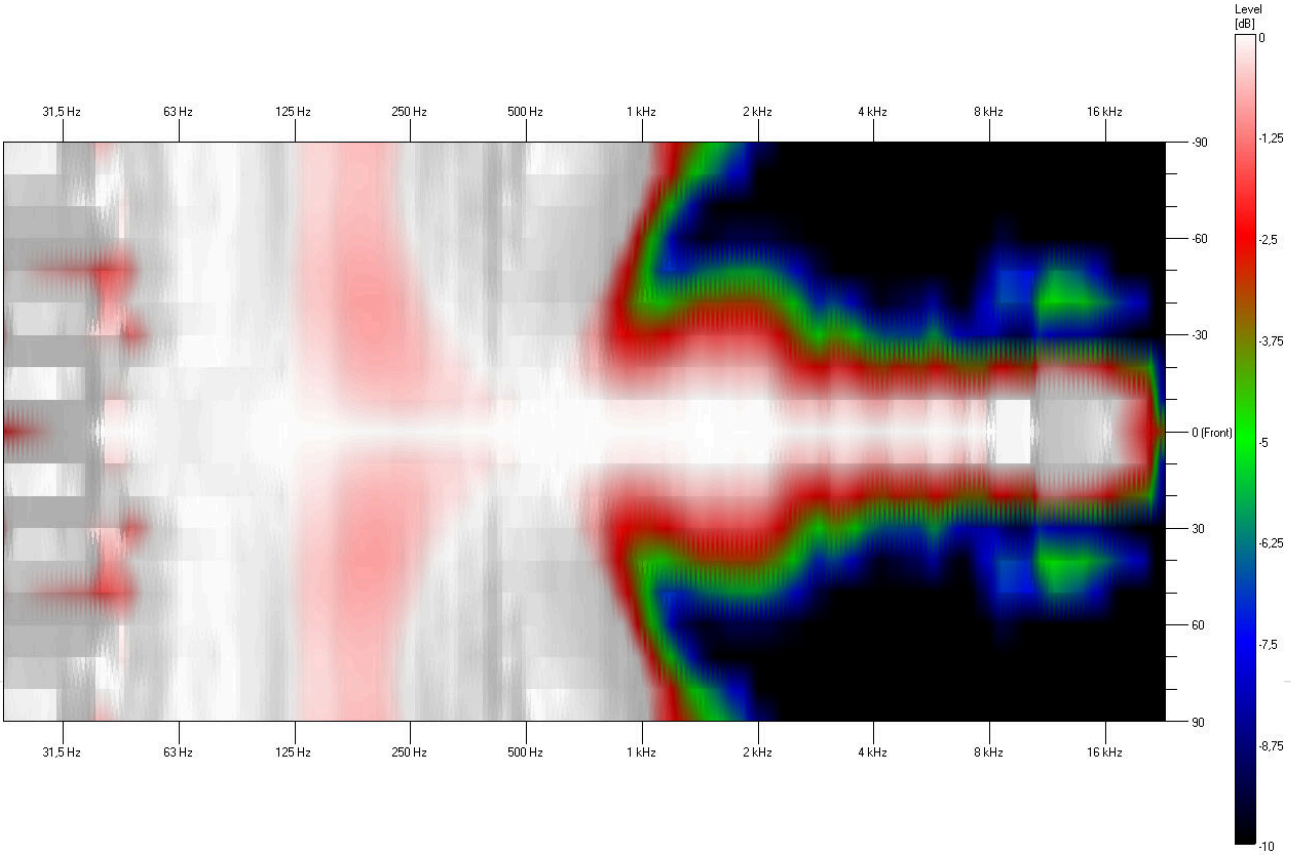
Technical Data (Mechanical)

Dimensions	170x76 mm
IP Rating	IP21
Weight (net)	1,15 kg
Temperature Range	-10 / +55 C°
Mounting	Screws
Connector	2-pin ceramic block
Terminal Diameter	3,2 mm
Maximum Cable Passage	8 mm^2
Colour	RAL 9010

Product Attributes

Technical Diagrams





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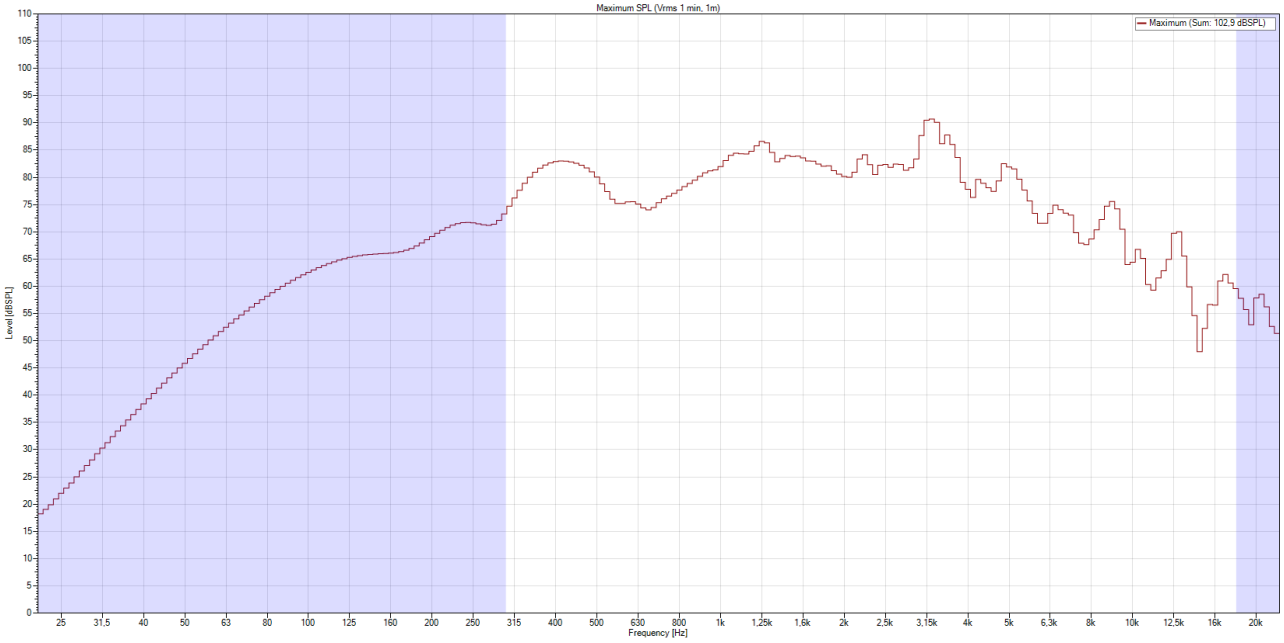
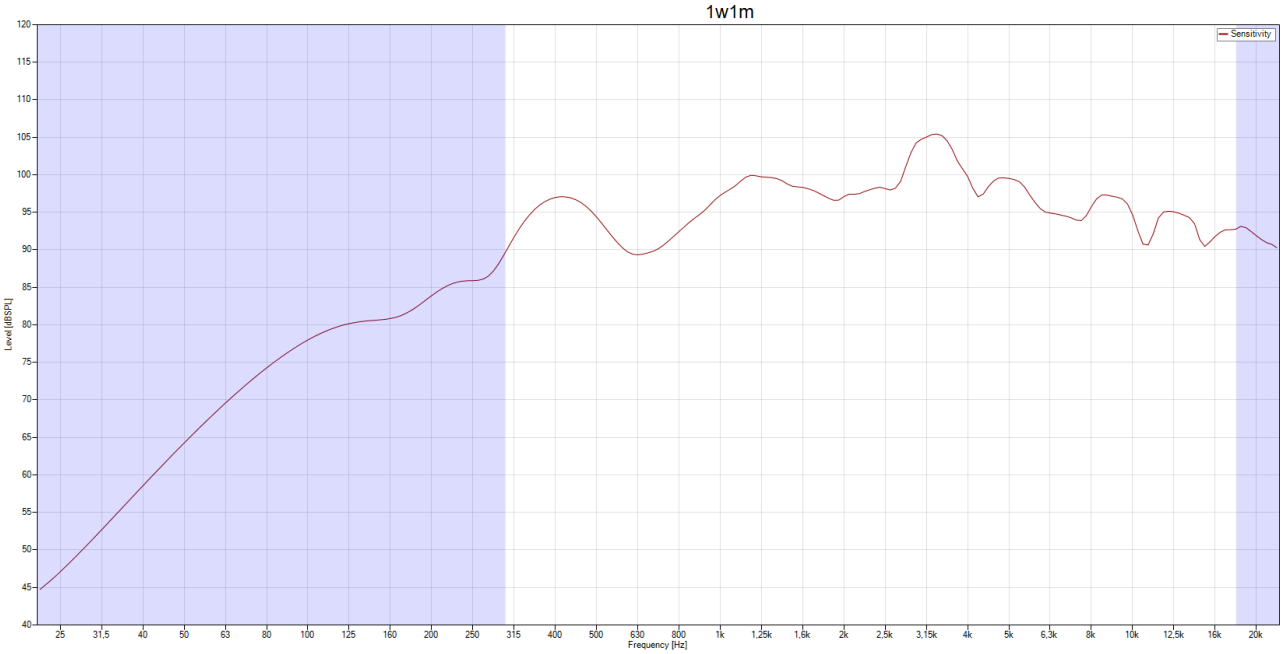
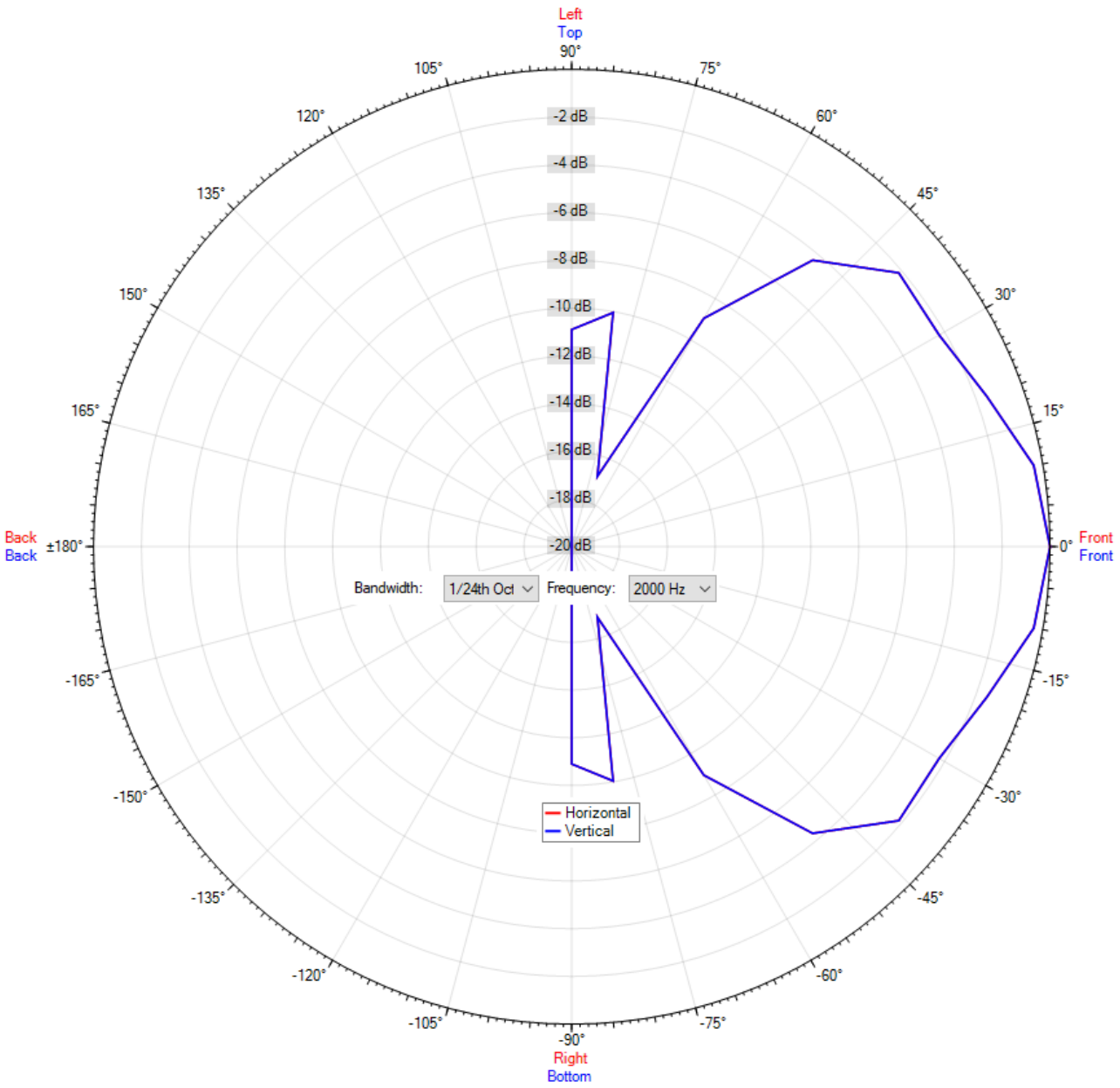
Frequency Response Diagrams

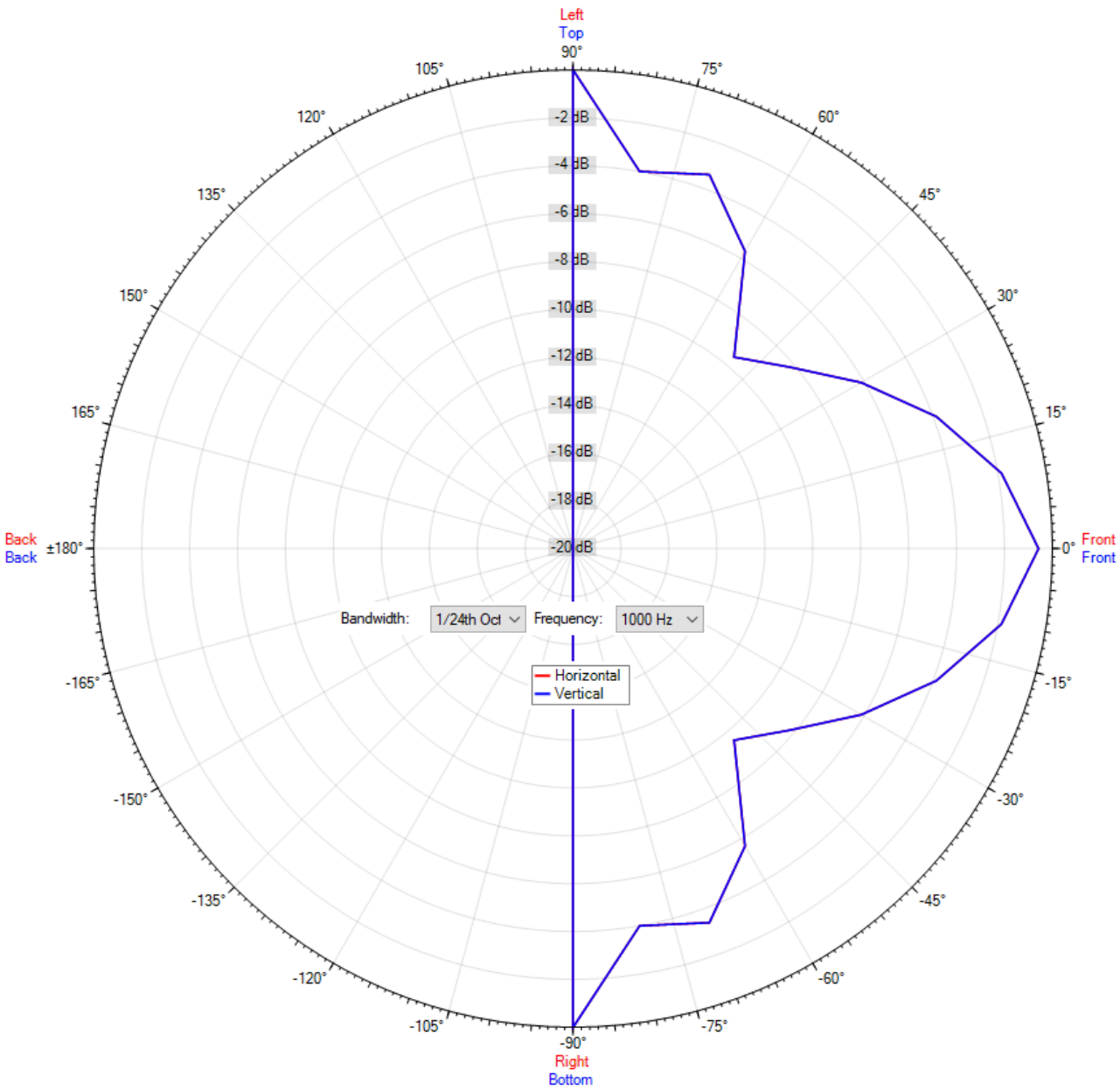


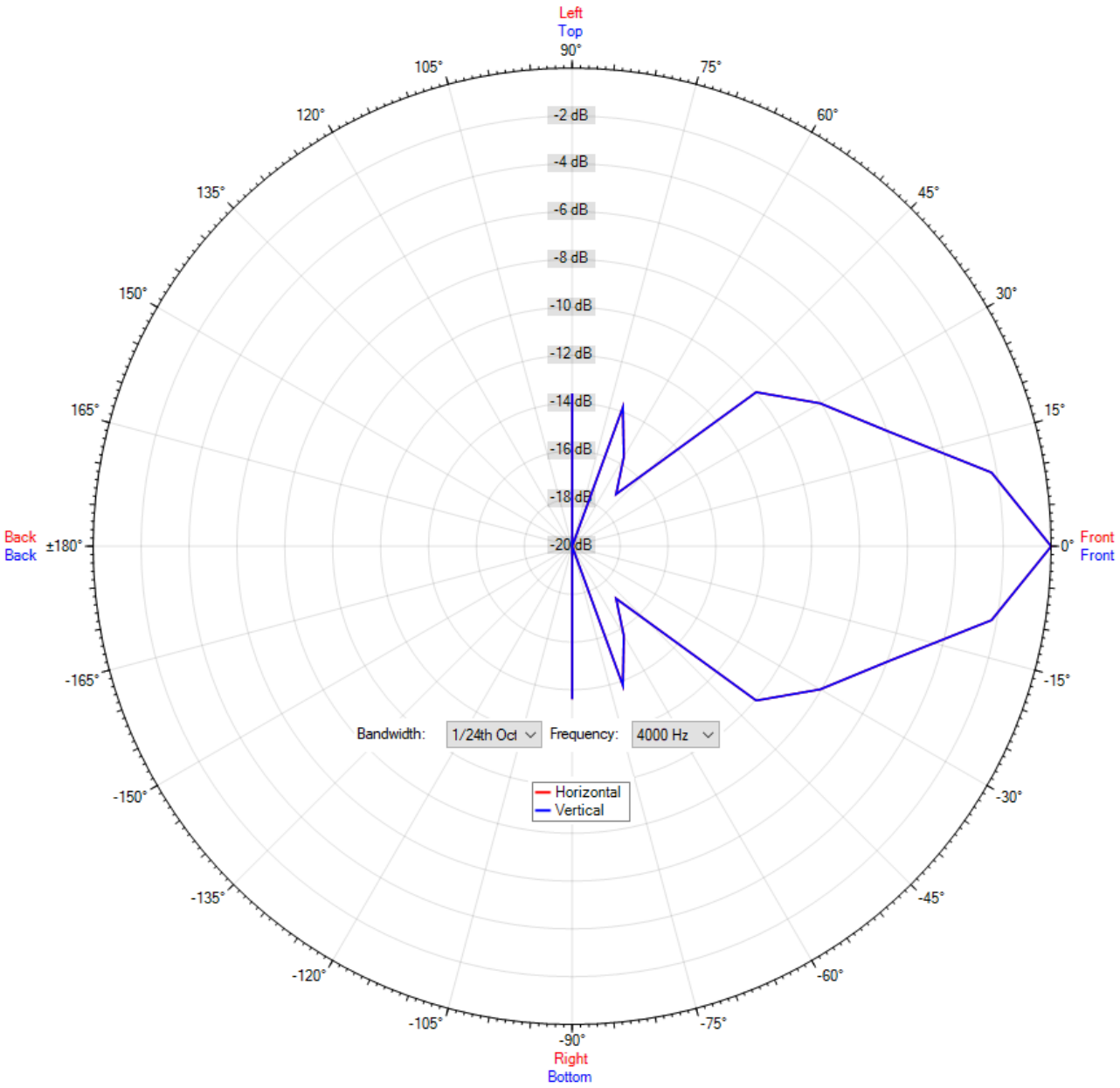
1w1m

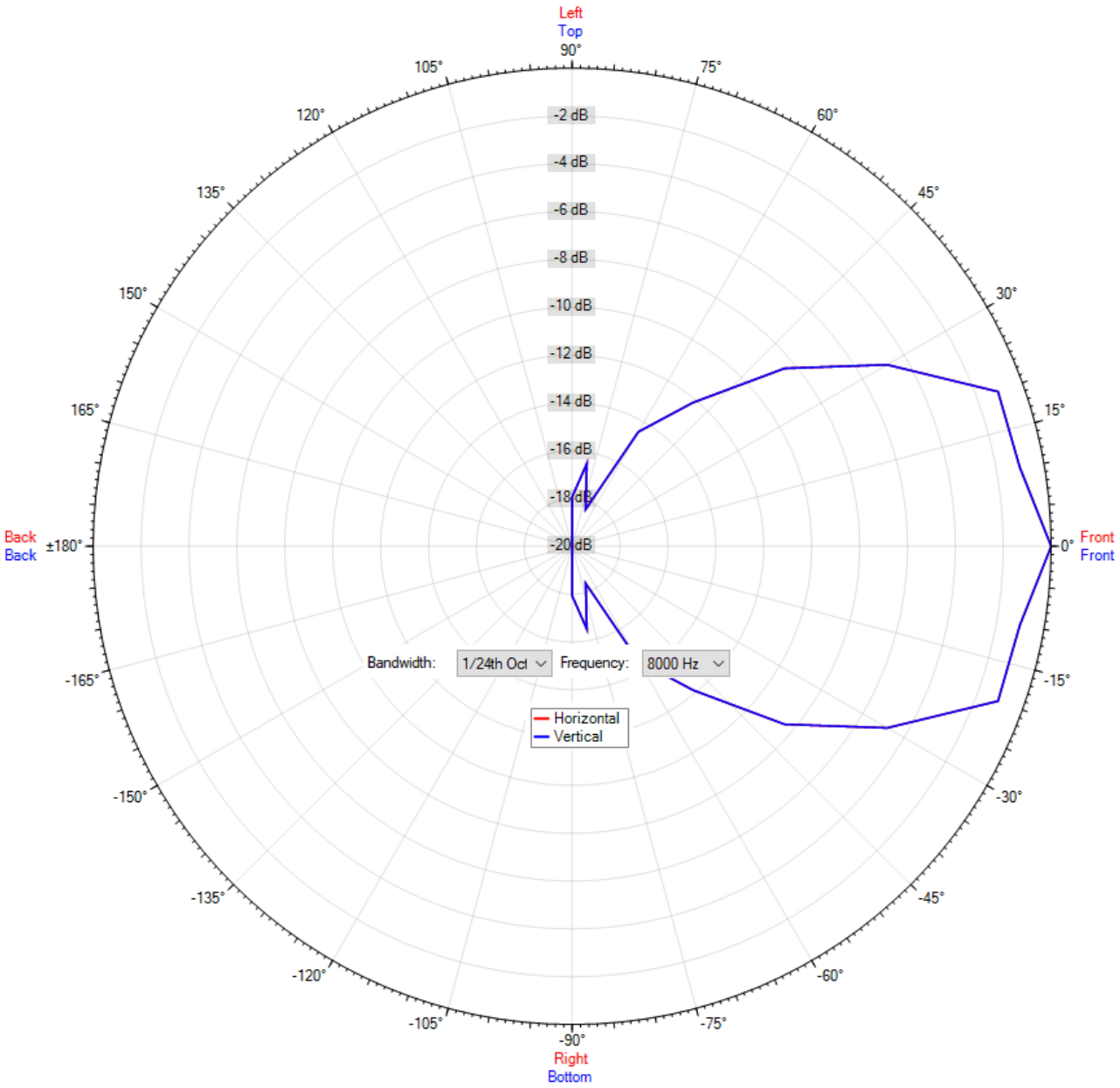


Polar Diagrams


Left
Top
90°
105°
75°
120°
60°
135°
45°
150°
30°
165°
15°
Back
Back
±180°
0°
Front
Front
-165°
-15°
-150°
-30°
-135°
-45°
-120°
-60°
-105°
-75°
-90°
Right
Bottom
-2 dB
-4 dB
-6 dB
-8 dB
-10 dB
-12 dB
-14 dB
-16 dB
-18 dB
-20 dB
Bandwidth:
1/24th Oct
Frequency:
2000 Hz
Horizontal
Vertical


Left
Top
90°
105°
75°
120°
60°
135°
45°
150°
30°
165°
15°
Back
Back
±180°
0°
Front
Front
-165°
-15°
-150°
-30°
-135°
-45°
-120°
-60°
-105°
-75°
-90°
Right
Bottom
-2 dB
-4 dB
-6 dB
-8 dB
-10 dB
-12 dB
-14 dB
-16 dB
-18 dB
-20 dB
Bandwidth:
1/24th Oct
Frequency:
1000 Hz
Horizontal
Vertical


Left
Top
90°
105°
75°
120°
60°
135°
45°
150°
30°
165°
15°
Back
Back
±180°
0°
Front
Front
-165°
-15°
-150°
-30°
-135°
-45°
-120°
-60°
-105°
-75°
-90°
Right
Bottom
-2 dB
-4 dB
-6 dB
-8 dB
-10 dB
-12 dB
-14 dB
-16 dB
-18 dB
-20 dB
Bandwidth:
1/24th Oct
Frequency:
4000 Hz
Horizontal
Vertical


Left
Top
90°
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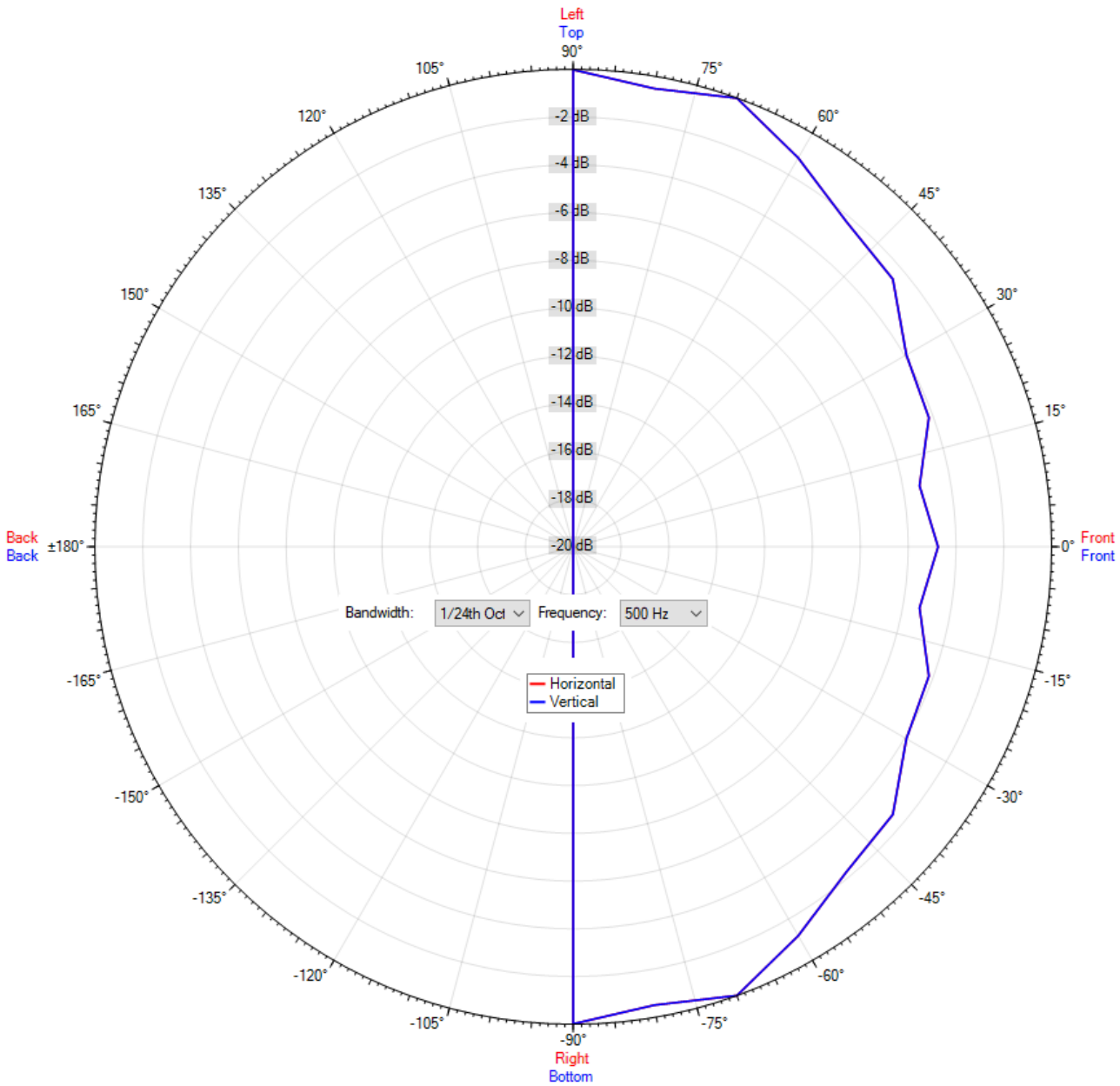
120°
60°
135°
45°
150°
30°
165°
15°
Back
Back
±180°
0°
Front
Front
-165°
-15°
-150°
-30°
-135°
-45°
-120°
-60°
-105°
-75°
-90°
Right
Bottom
-2 dB
-4 dB
-6 dB
-8 dB
-10 dB
-12 dB
-14 dB
-16 dB
-18 dB
-20 dB
Bandwidth:
1/24th Oct
Frequency:
8000 Hz
Horizontal
Vertical



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.: 20102195 SKD

Packing Unit: 12