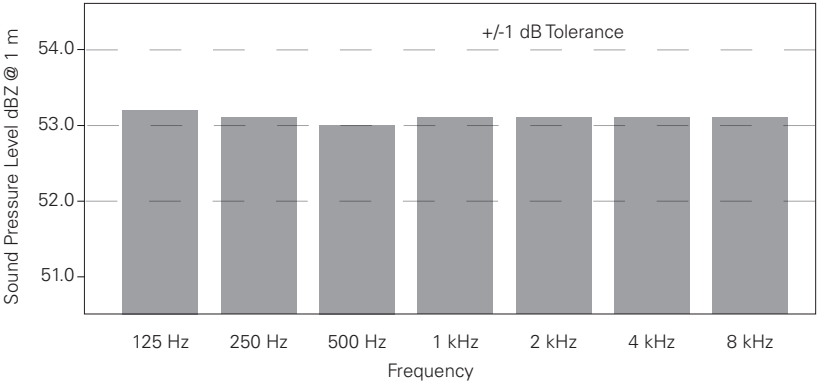
7. Technical Data TalkBox

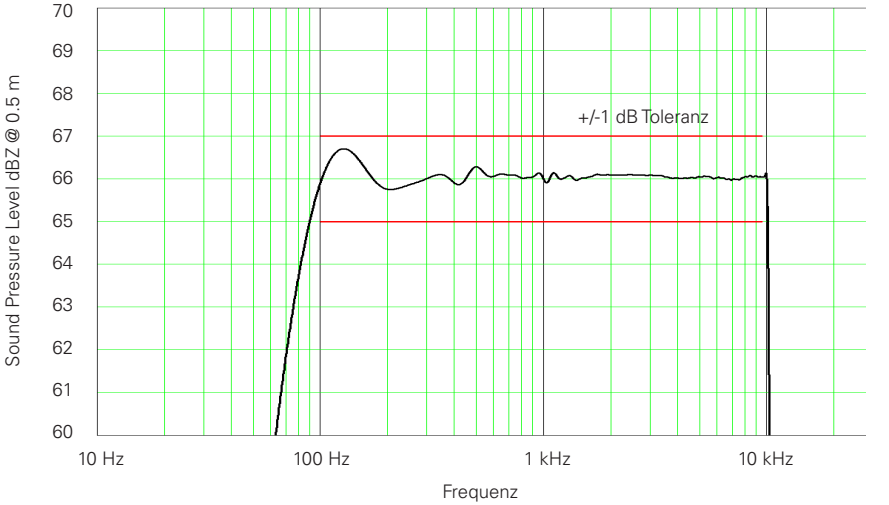
Standards	• IEC 60268-16 (Objective Rating of Speech Intelligibility) • ASTM E1179-13 (Sound Sources for Testing Open Office)
Waveforms	• Up to 15 different signals • Waveforms can be added / changed by the user Factory signal set • NTi Audio STIPA Test Signal, Reference Speech Signal • White Noise (crest factor, PAR* = 3.55 (11.0 dB)) • Pink Noise (crest factor, PAR* = 3.55 (11.0 dB)) • Fast Pink Noise 1 sec (crest factor, PAR* = 4.22 (12.5 dB)) • Fast Pink Noise 4 sec (crest factor, PAR* = 4.47 (13.1 dB)) • Delay Test Signal • Sine 1 kHz
Line Out	• XLR, balanced 100 Ohm, unbalanced 50 Ohm • Maximum output level: +18 dBu, 1 kHz file with 60 dB @ 1 meter: typically -11 dBu
Line Input	• XLR, balanced 38 kOhm • Max. input level: +18 dBu (acc. to EBU R68, ITU-R rec. 645) • Internal delay from XLR input to speaker: 59 ms
CF-Card	• min. 512 MB included, FAT32, NTi Audio # 600 000 087 • Wav-file format: 16 Bit, 44.1 kHz mono
Acoustical Flatness	STIPA band levels (in axis): • typ < +/- 0.5 dB @ 24°C • typ < +/- 1.0 dB @ 10°C - 30°C
Acoustical Output Level	• STIPA: 60 dBA @ 1 m +/- 0.5 dB, acc. to IEC 60268-16 • STIPA band sensitivity gradient: - 0.07dB / °C (average) • Others see track list in user manual
Frequency accuracy	0.01 %
Power Supply	• 9 - 17 VDC, 10 Watt • External switching power supply included (110 V ... 240 V)
External Mute	• Jack 3.5 mm (1/8"), tip & ring • Floating switch required

Mounting	Mic Stand 5/8" with Adapter to 3/8"
Dimensions (LxWxH)	150 x 150 x 175 mm (5.9 x 5.9 x 6.9 inch)
Weight	3.5 kg (7.7 lb)
Operating Temperature	0° to +45° C (32° to 113° F)
Protection Rating	IP51
Included Accessories	Mains Power Adapter, CF Card and Soft Carrying Case

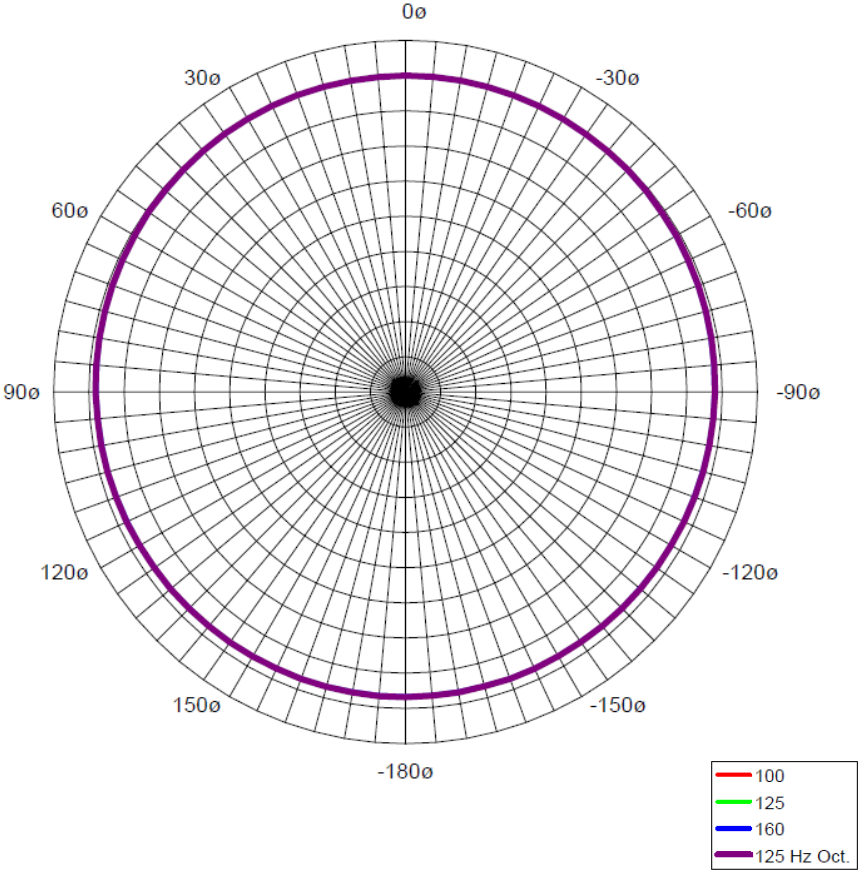
* PAR = peak-to-average ratio

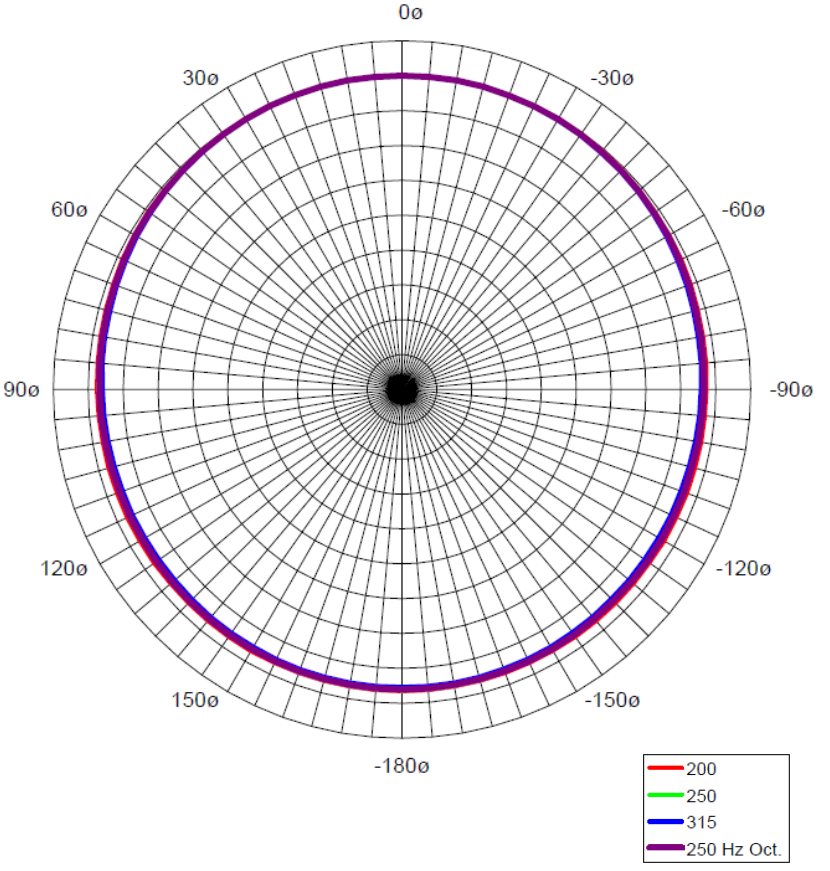
Typical Frequency Response @ Broadband Level 60 dBA

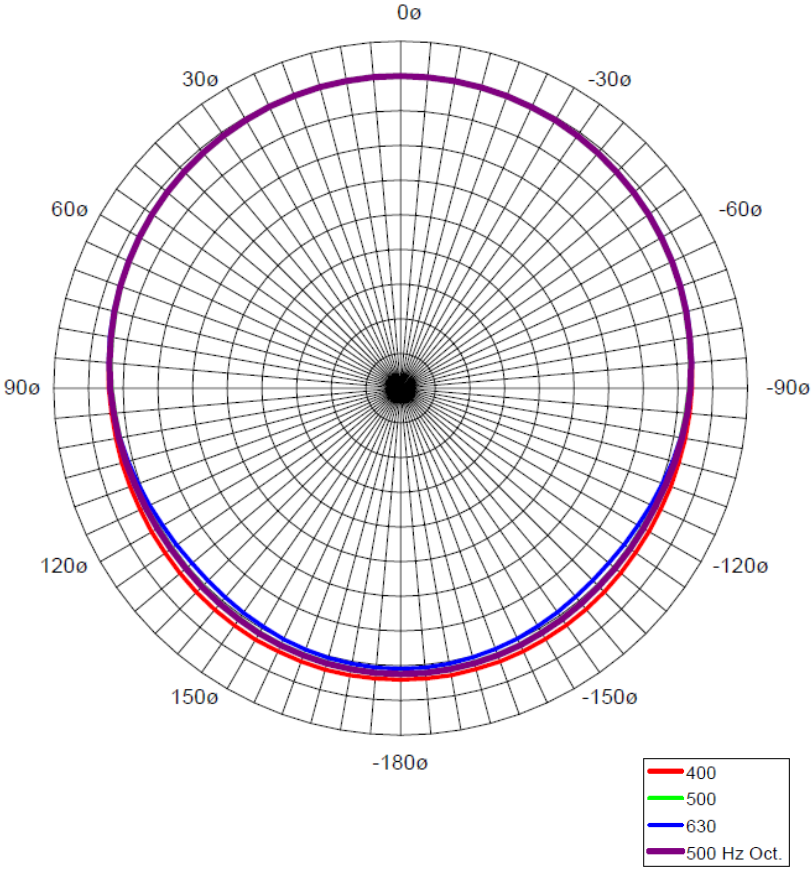


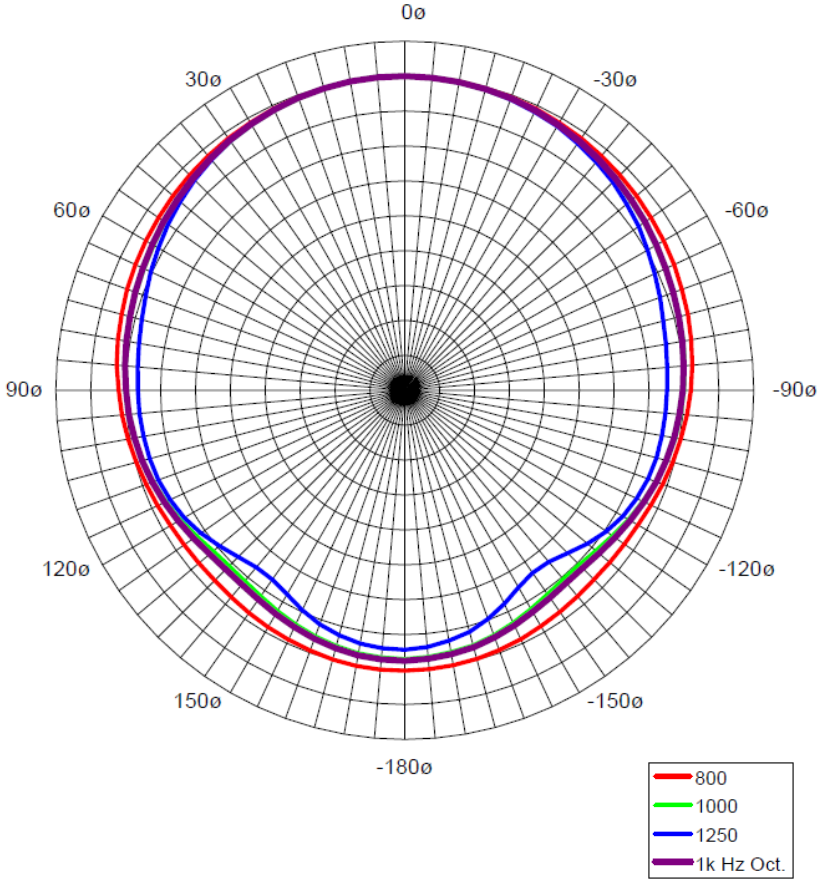

70
69
68
67
66
65
64
63
62
61
60
Sound Pressure Level dBZ @ 0.5 m
+/-1 dB Toleranz
10 Hz
100 Hz
1 kHz
10 kHz
Frequenz

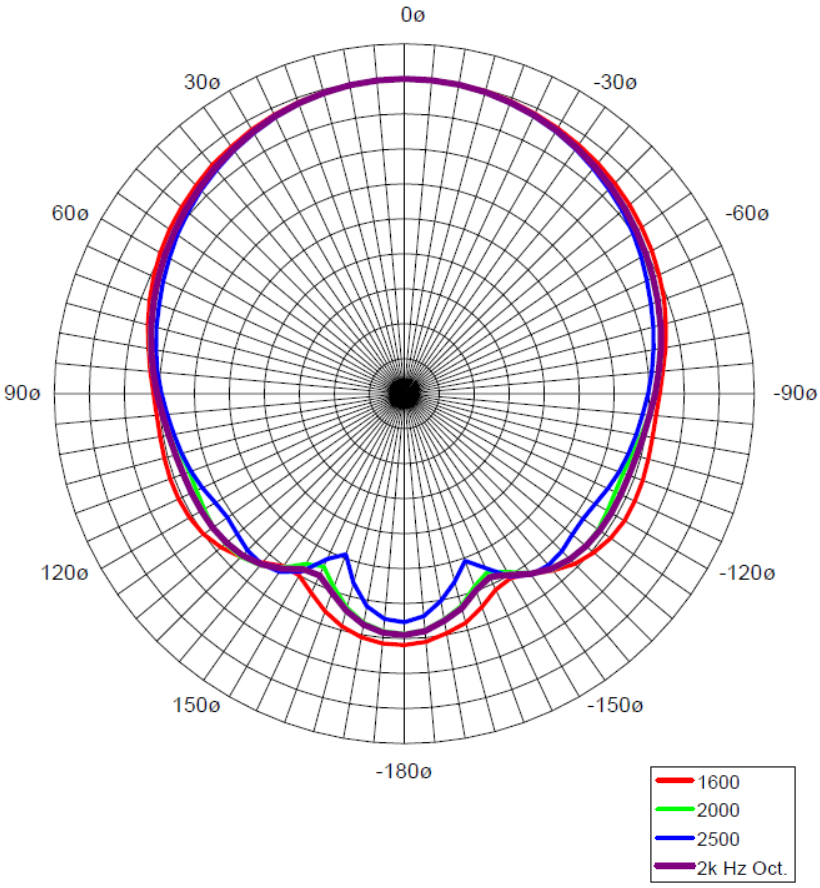
Polar Plots (6 dB/div)

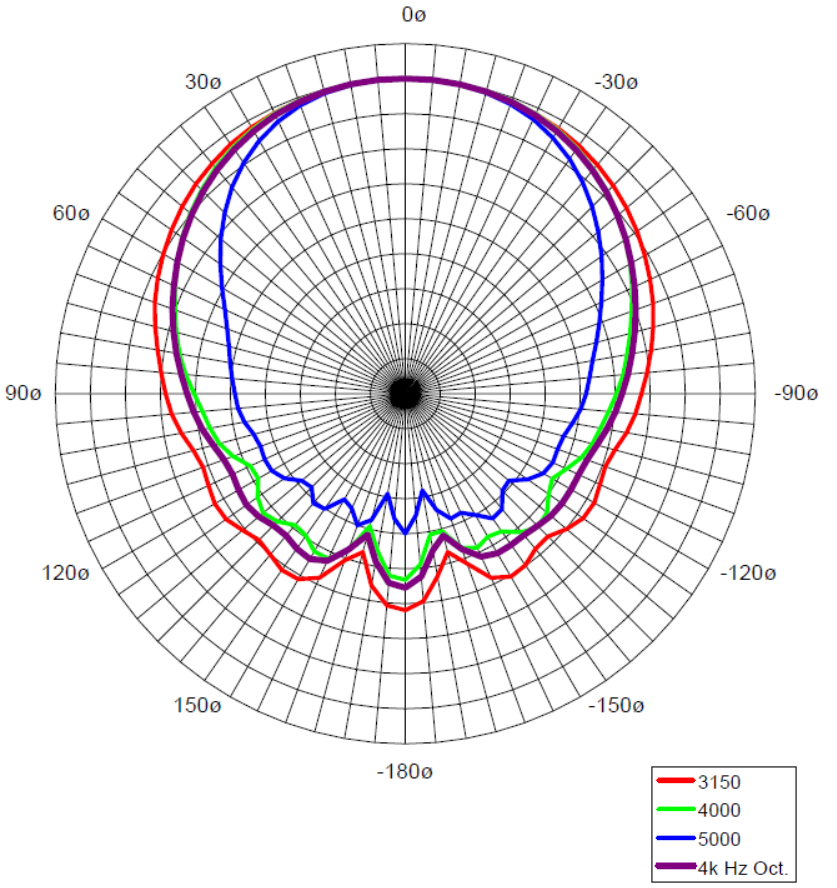


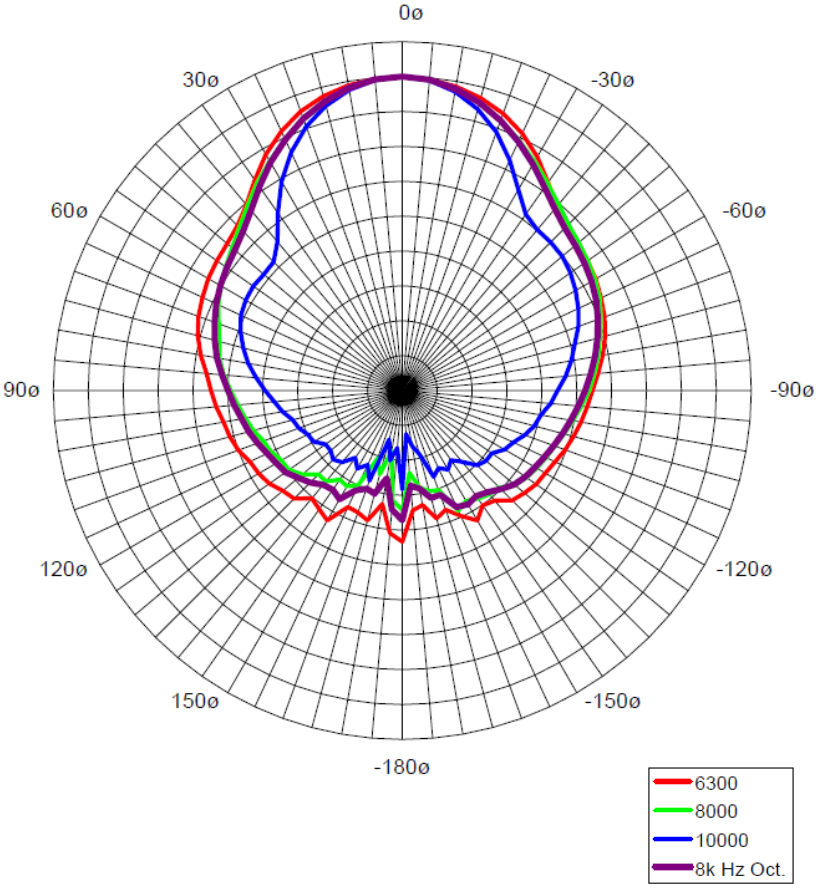

0ø
30ø
-30ø
60ø
-60ø
90ø
-90ø
120ø
-120ø
150ø
-150ø
-180ø
200
250
315
250 Hz Oct.


0ø
30ø
-30ø
60ø
-60ø
90ø
-90ø
120ø
-120ø
150ø
-150ø
-180ø
400
500
630
500 Hz Oct.


0ø
30ø
-30ø
60ø
-60ø
90ø
-90ø
120ø
-120ø
150ø
-150ø
-180ø
800
1000
1250
1k Hz Oct.


0ø
30ø
-30ø
60ø
-60ø
90ø
-90ø
120ø
-120ø
150ø
-150ø
-180ø
1600
2000
2500
2k Hz Oct.


0ø
30ø
-30ø
60ø
-60ø
90ø
-90ø
120ø
-120ø
150ø
-150ø
-180ø
3150
4000
5000
4k Hz Oct.


0ø
30ø
-30ø
60ø
-60ø
90ø
-90ø
120ø
-120ø
150ø
-150ø
-180ø
6300
8000
10000
8k Hz Oct.