

Test

Pro Wireless Speaker systems

	Spottune	Loud of Sweden	NewTec	Audio Pro Business
				
Dimensions	Dia: 115 mm, H: 200 mm	Dia: 140 mm, H: 200 mm	Dia: 134 mm, H: 150 mm	Dia: 155 mm, H: 240 mm
Weight	1,5 kg	1,1 kg	1,45 kg	2,1 kg
Power	100 - 240V 50/60Hz	100 - 240V 50/60Hz	100 - 240V 50/60Hz	100 - 240V 50/60Hz
Designed in	Denmark	Sweden	Italy	Sweden
Assembled in	China	China	Germany	China
Retail price of tested equipment	€ 1 180	€ 648	€ 940	€ 945

Transmission

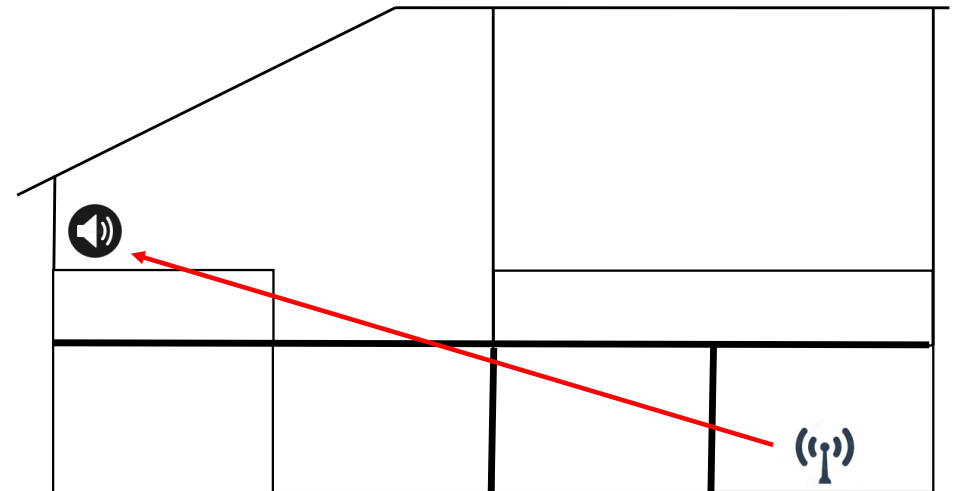
Outdoor



The distance test in line of sight is performed Outdoors, in line of sight and is measured with a Bushnell V5 range finder.



Indoor



The distance test indoor is performed with dense material like steel and concrete, between two floors diagonally. In both cases the speaker is kept in one place and the transmitter is moved.

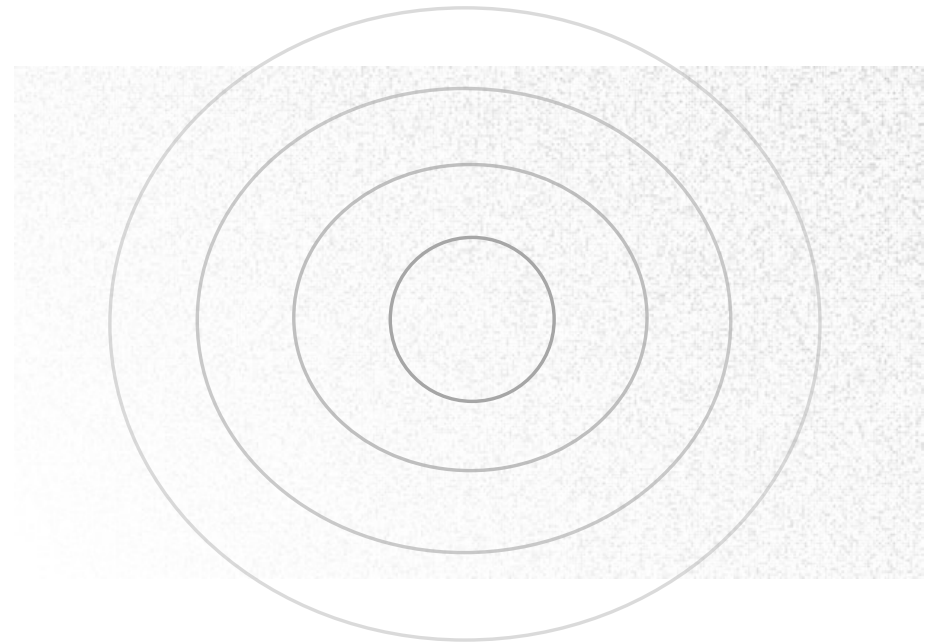
Transmission

Spottune	Loud of Sweden	NewTec	Audio Pro Business
			

Transmission	1.9 Ghz DECT Renesas	1.9 Ghz DECT WLG 2.0	1.9 Ghz DECT Renesas	1.9 Ghz DECT Renesas
Transmission data rate	128 kb	120 kb	128 kb	128 kb
Frequency range	20-15 000 Hz	20-18 000 Hz	20-15 000 Hz	20-15 000 Hz
Number of Volume zones	32	4	32	6
Latency	16ms	16ms	16ms	16ms
Wireless range in line of sight	260m	280m	260m	280m
Wireless range indoor	30	40	30	40

Sound dispersion

Sound pressure dispersion in all directions



Using white noise for consistent reproduction.
All systems are calibrated to 60dB from 1m.

Sound dispersion

All speakers mounted vertically (pointing down from the mount)

	Spottune	Loud of Sweden	NewTec	Audio Pro Business
				
White noise	60dB, 1m	60dB, 1m	60dB, 1m	60dB, 1m
dB straight under	57dB	59dB	58dB	58dB
dB 15m from center	51dB	51dB	53dB	51dB

Sound dispersion

Speakers mounted horizontally (pointing in the direction of the room)

	Spottune	Loud of Sweden	NewTec	Audio Pro Business
				
dB 1m behind	Not available	57dB	Not available	57dB
dB 15m front	Not available	52dB	Not available	52dB
dB 15m behind	Not available	51dB	Not available	51dB

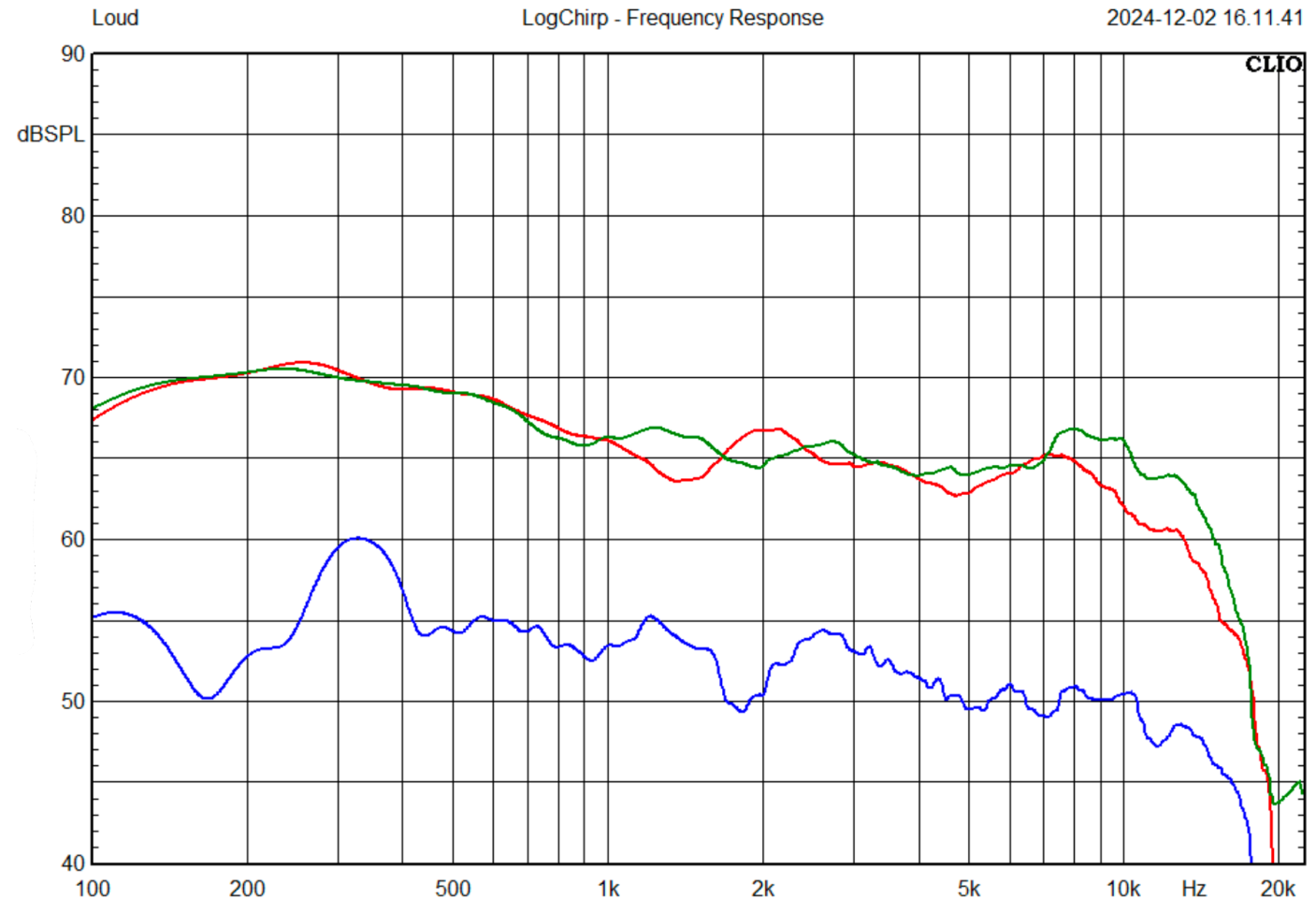
Sound measurement



Sound measurement



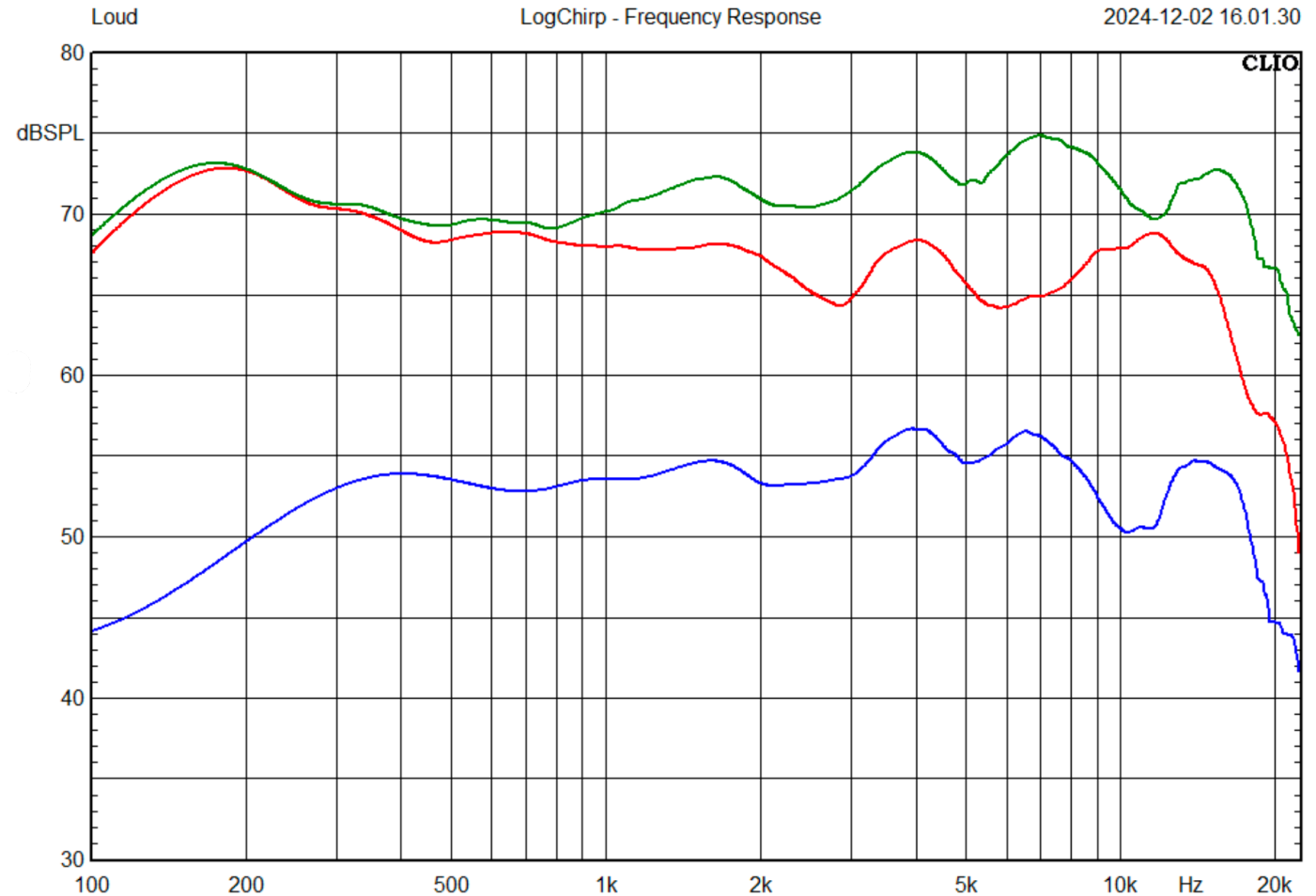
Spottune Omni Track
Green is 0 deg
Red is 45 deg
This is a omnidirectional speaker which makes the dispersion around it perfect.
The frequency curve is however falling a bit as you go up in the frequency range and there are not much left above 10kHz.
Given that it is a fullrange driver it should still be considered good.
Blue is measured 0 deg, but 4m away from speaker placed in 3 phase track indoors.



Sound measurement



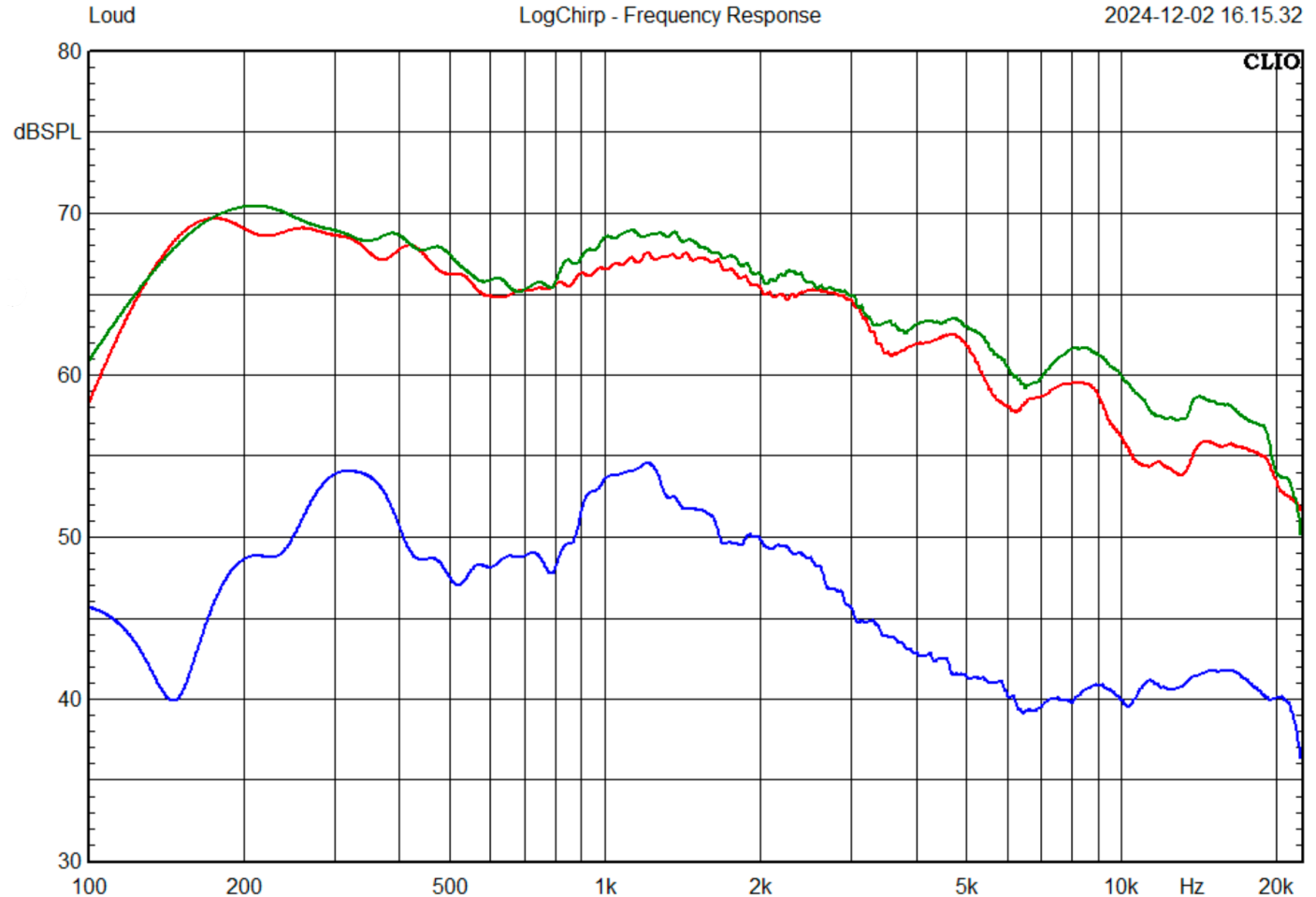
Loud of Sweden S2 speaker
Green is 0 deg
Red is 45 deg
Well balanced speaker in the entire frequency range.
Very good dispersion in the entire frequency range.
Blue is measured 0 deg, but 4m away from speaker placed in 3 phase track indoors.



Sound measurement



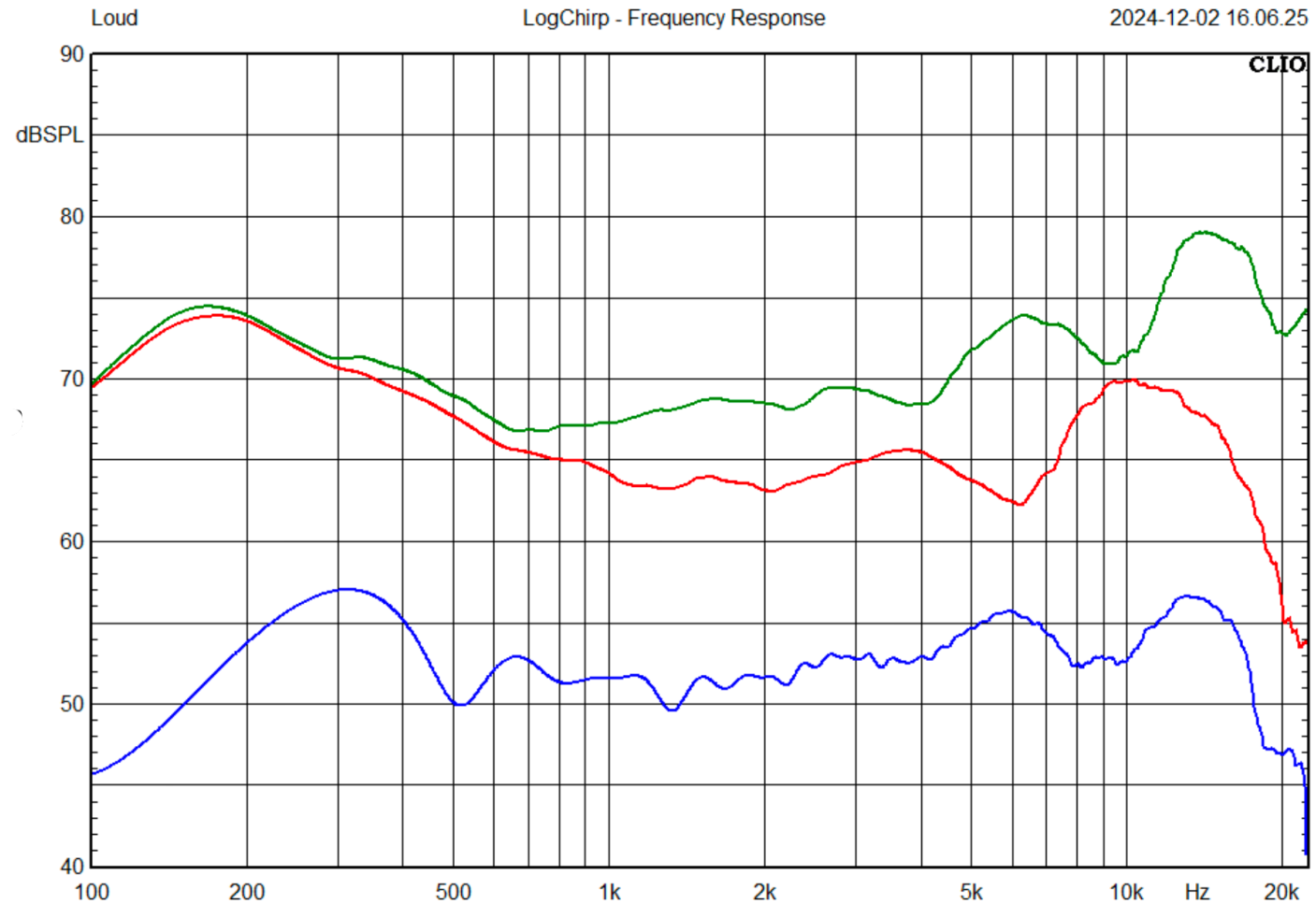
Newtec Cono canto Smart
Green is 0 deg
Red is 45 deg
This is a omnidirectional
speaker which makes the
dispersion around it perfect.
There are no lens for dispersion
as Spottune has which makes
the frequency curve falling very
fast as you go up in the
frequency range.
Blue is measured 0 deg, but 4
away from speaker placed in 3
phase track indoors.





Sound measurement

Audio Pro SP-3 Speaker
Green is 0 deg
Red is 45 deg
A little dip in the mid frequencies and a few extra dB on the tweeter.
Good dispersion in the entire frequency range.
Blue is measured 0 deg, but 4m away from speaker placed in 3 phase track indoors.



Sound measurement

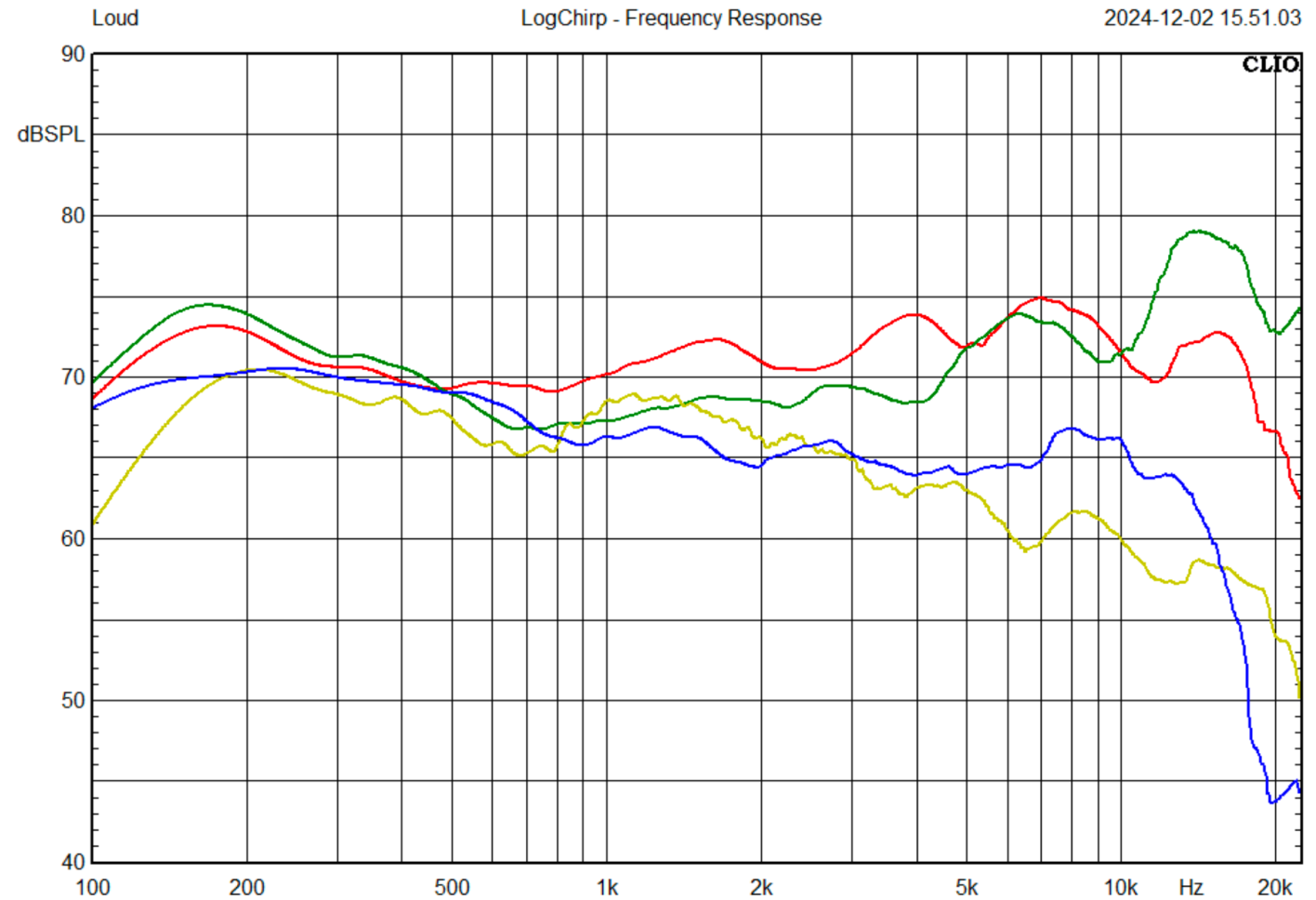
All speakers 0 deg

Audio Pro SP-3 Green

Loud of Sweden Red

Spottune Blue

Newtec Yellow



Sound measurement

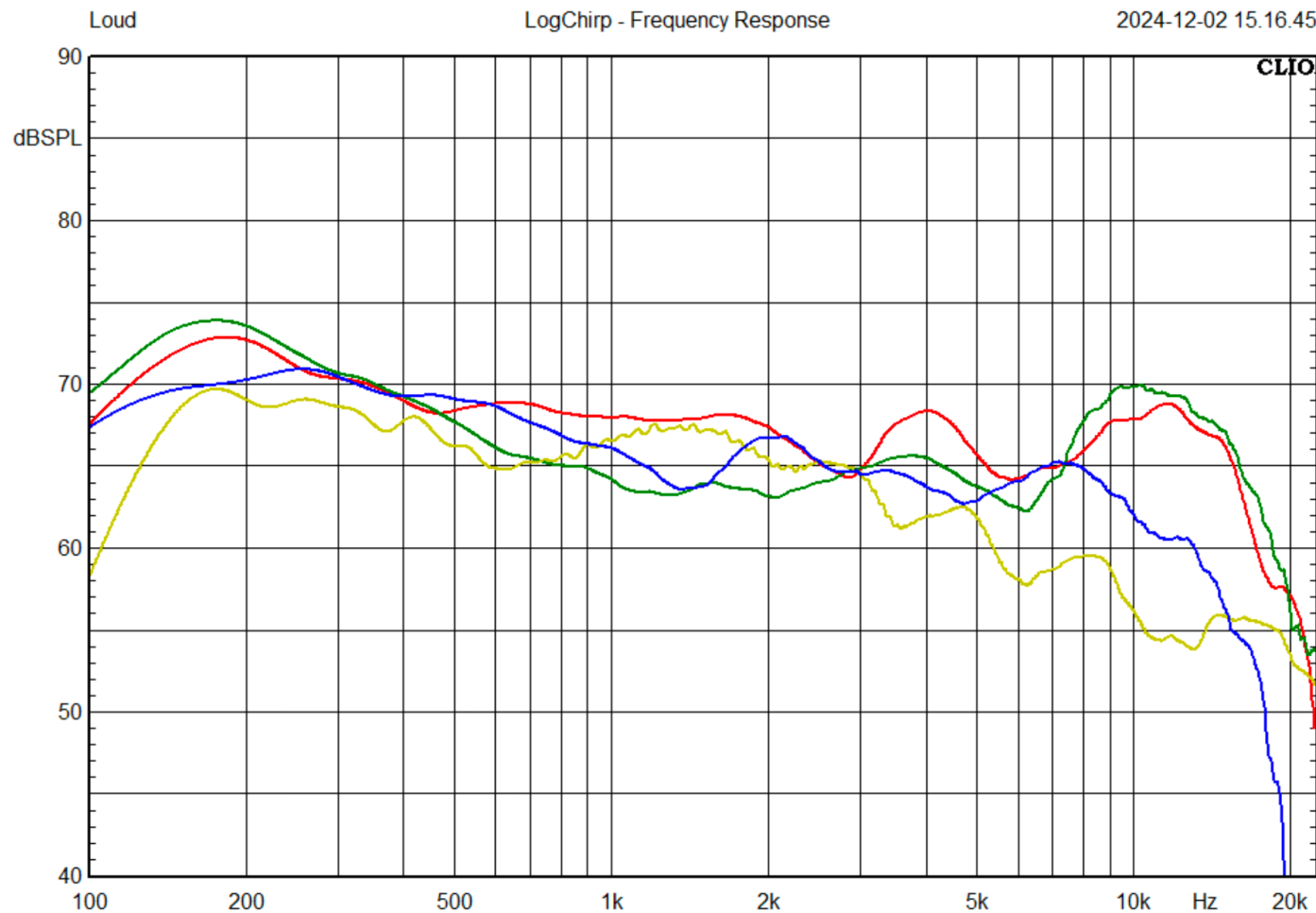
All speakers 45 deg

Audio Pro SP-3 Green

Loud of Sweden Red

Spottune Blue

Newtec Yellow



Sound experience

Blind test



The panel for the blind test consists of 9 people in the age range 19-70 years. Five different songs are played over and over in different speakers for the panel named as #1-4 without their knowledge of which speaker is being played. The speaker that is judged to be the best gets the least amount of points in the ranking 1-4. The best possible score for a song is 9p (9x1) and the worst is 36p (9x4).



Sound

Amplification and driver

	Spottune	Loud of Sweden	NewTec	Audio Pro Business
				
Driver	Broadband 4"	Neodymium Coaxial 4,5"	Cone	Coaxial 4,5"
Amplification	Class D 50W	Class D 2x25W	Class D 40W	Class D 2x25W

Sound experience

Blind test

[James Taylor. September Grass](#)

Spottune	Loud of Sweden	NewTek	Audio Pro
17	16	29	18

[Jennifer Warnes. Somewhere Somebody](#)

Spottune	Loud of Sweden	NewTek	Audio Pro
17	14	29	20

[Snakehips. All My Friends](#)

Spottune	Loud of Sweden	NewTek	Audio Pro
17	13	29	21

[Dierks Bentley. Settle For a Slowdown](#)

Spottune	Loud of Sweden	NewTek	Audio Pro
18	17	32	16

[Chris Malinchak. Damon Scott. Tell Me](#)

Spottune	Loud of Sweden	NewTek	Audio Pro
14	11	32	23

Spottune	Loud of Sweden	NewTek	Audio Pro
83	71	151	98

Total ranking from the panel

#1 Loud of Sweden 71p

#2 Spottune 83p

#3 Audio Pro 98p

#4 NewTek 151p

Summary

Spottune	Loud of Sweden	NewTec	Audio Pro
			
+ Blends in well Deep bass Two music sources - Transmitter Needs center placement	+ Best sound Lowest price Analogue connections for repeater - No indication from below if powered Not available in grey	+ Small Several designs Made in EU - Sound quality Cannot see power phase	+ Clear sound Two sizes available Long experience - Size Separate volume control

Summary

5p for highest score, 4p second highest and so on.....

Spottune	Loud of Sweden	NewTec	Audio Pro
			
• Transmission outdoor 4p • Transmission indoor 4p • Dispersion 3p • Sound experience 4p	• Transmission outdoor. 5p • Transmission indoor 5p • Dispersion 4p • Sound experience 5p	• Transmission outdoor. 4p • Transmission indoor 4p • Dispersion 4p • Sound experience 2p	• Transmission outdoor. 5p • Transmission indoor 5p • Dispersion 4p • Sound experience 3p
• Overall 15p	• Overall 19p	• Overall 14p	• Overall 17p