

AX12LF

The low frequency extension of AX12C

Application and Tuning Guide

Powered by Q-NEX Series DSP Amplifiers



Prepared by:

Daniele Massaccesi

Product Manager / Sales Engineer



Configuration Overview

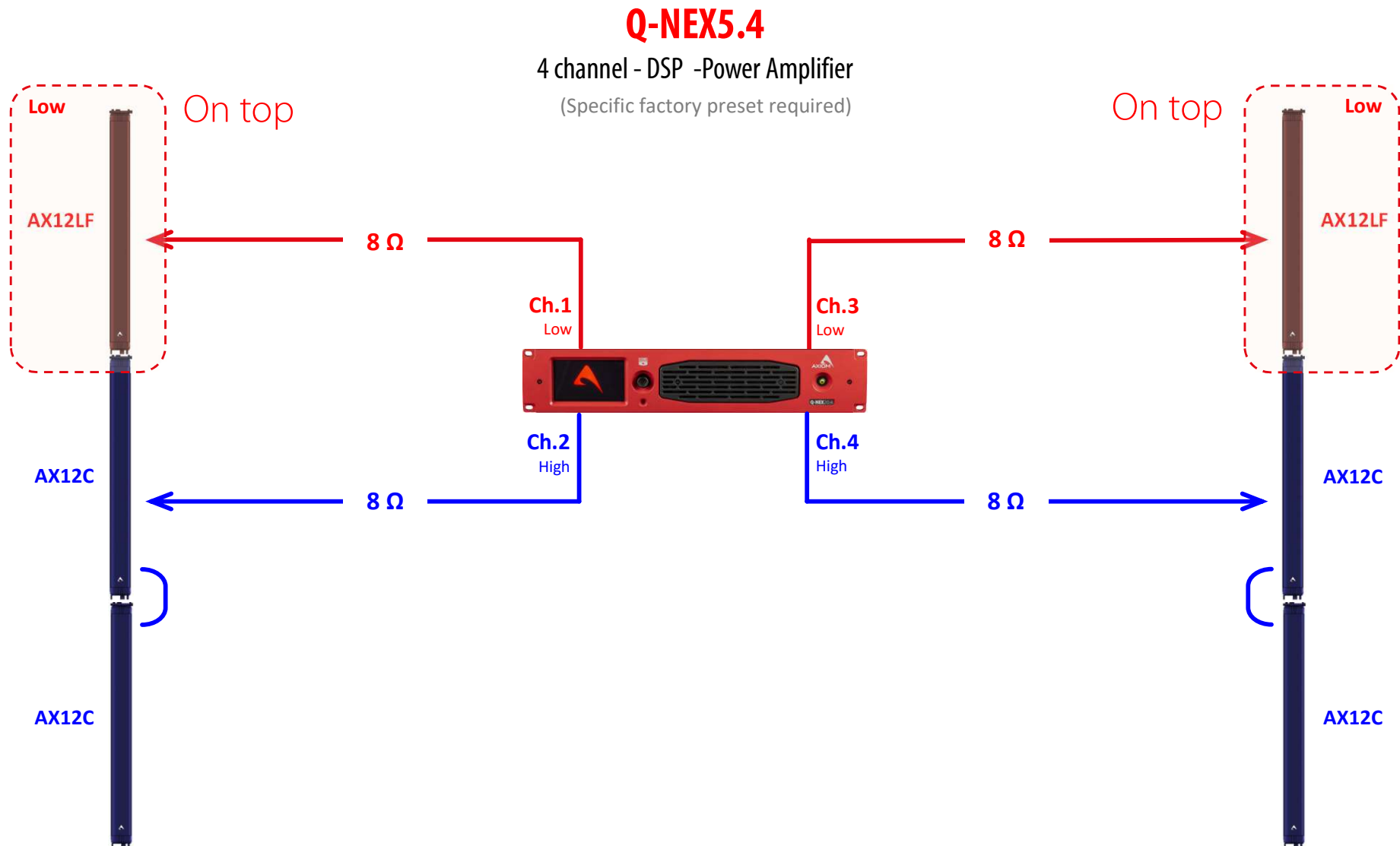
1 x AX12LF

over

2 x AX12C

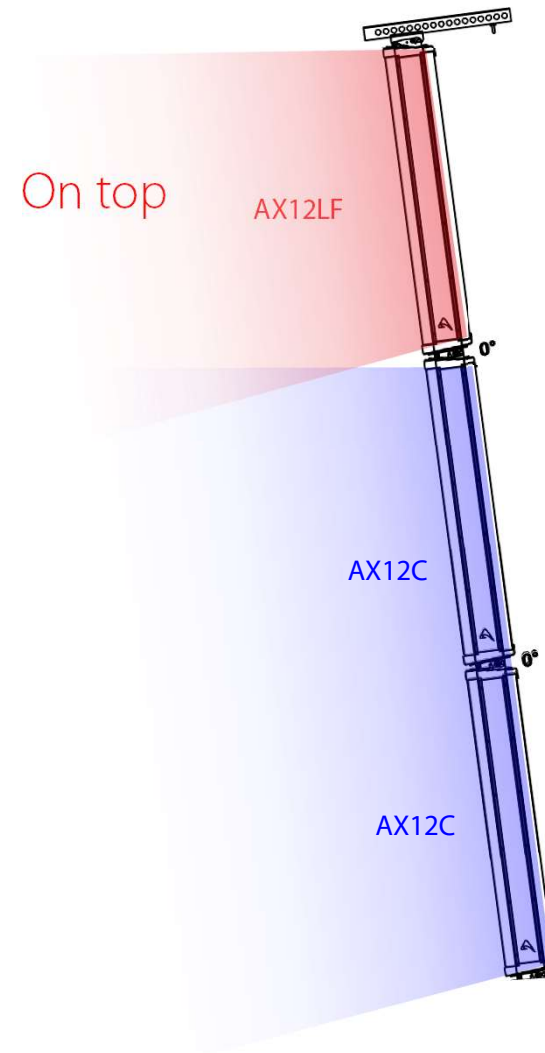
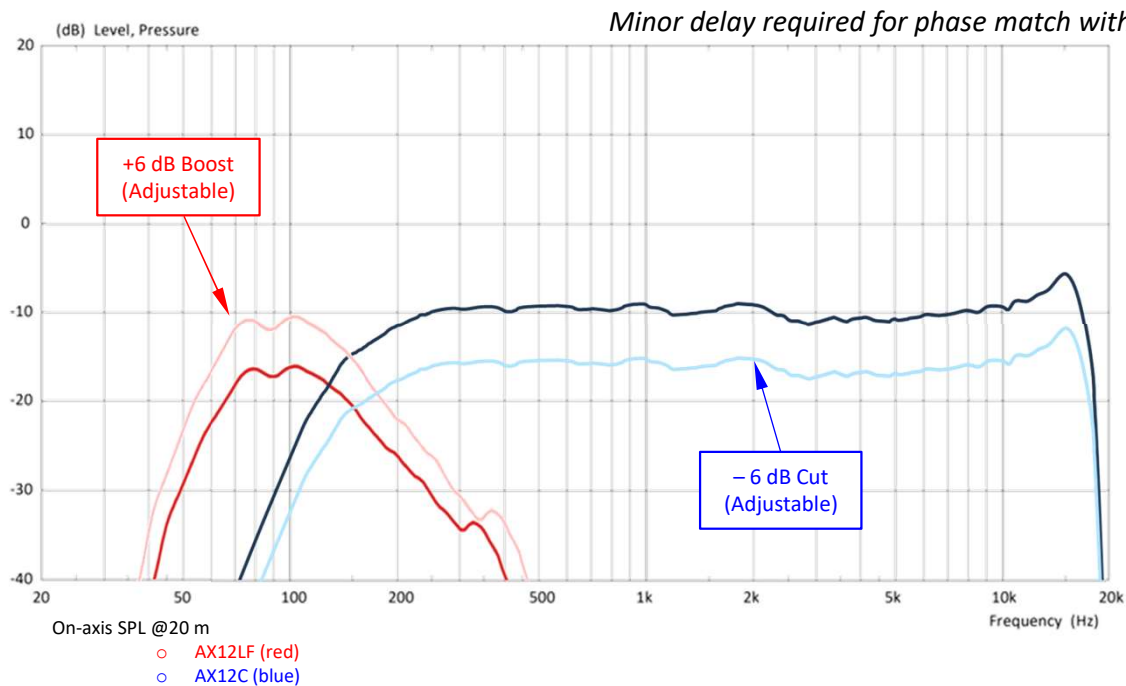


Frequency response and Q-NEX wiring diagrams in the following pages.



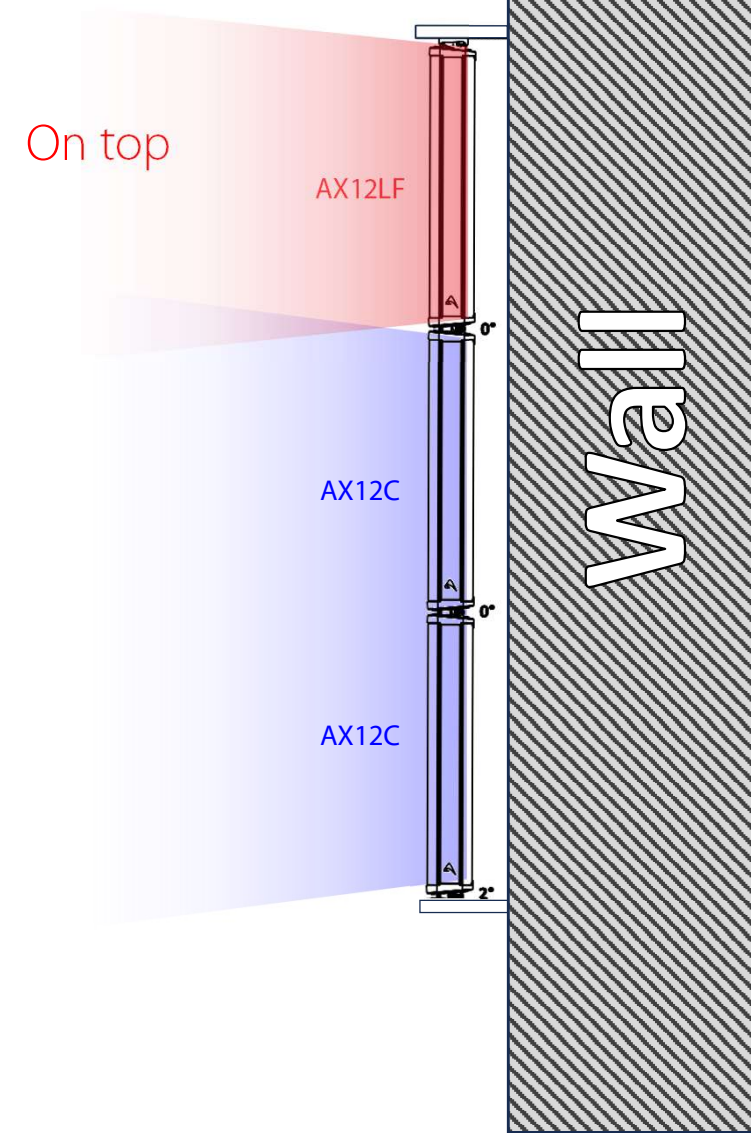
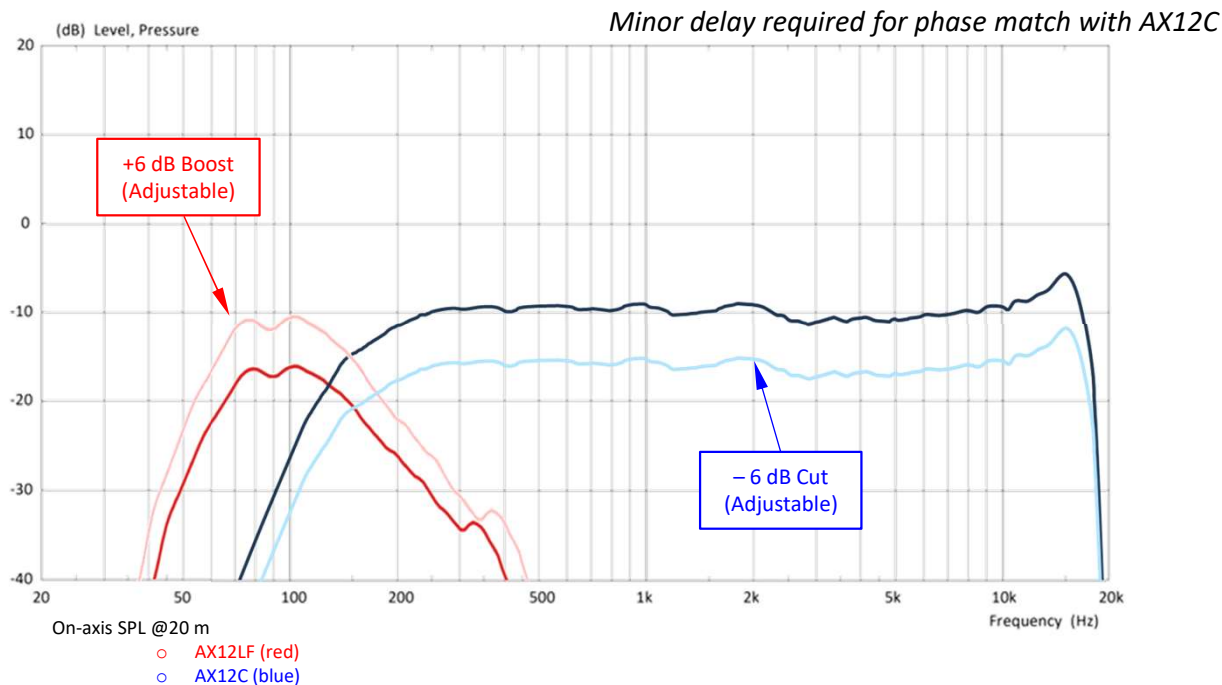
Flown example:

- 1 x AX12LF (top)
- 2 x AX12C



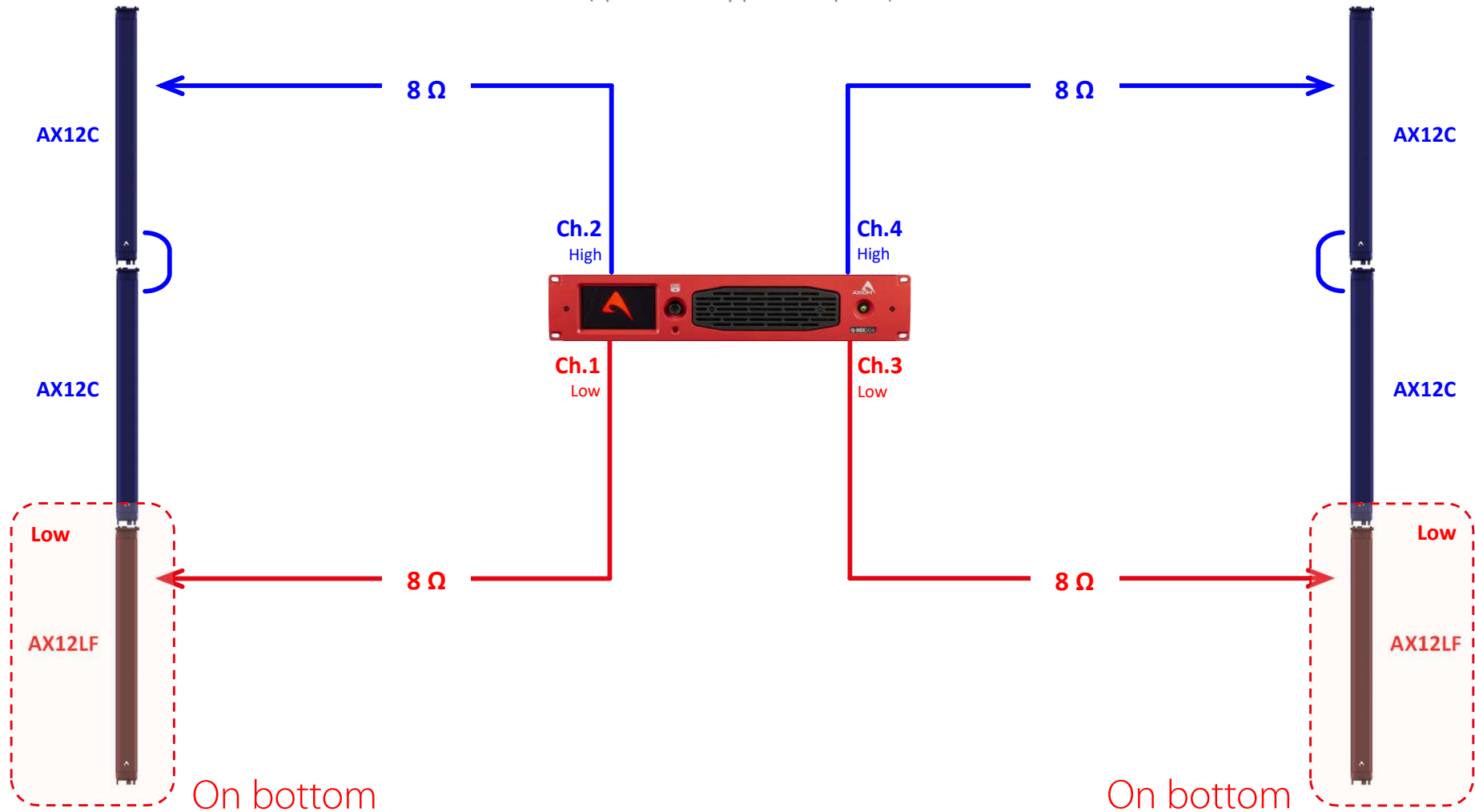
Wall-mounted example:

- 1 x AX12LF (top)
- 2 x AX12C



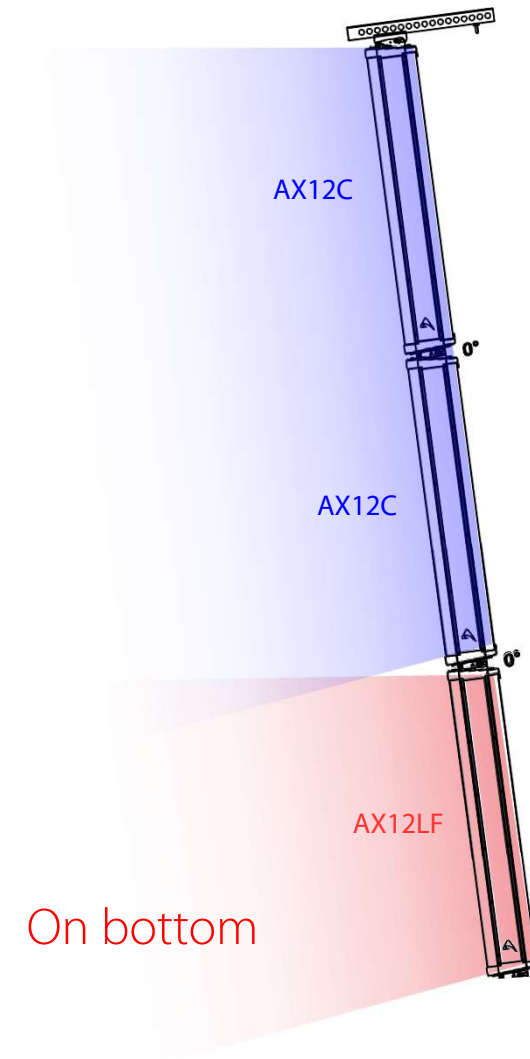
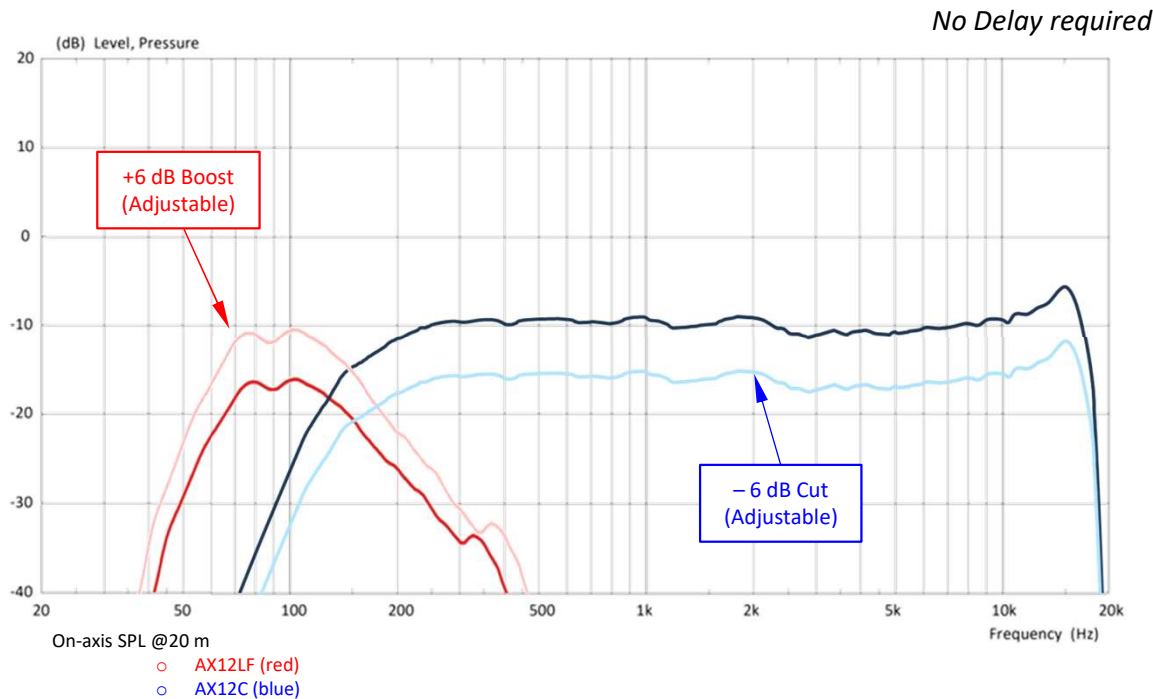
Q-NEX5.4

4 channel - DSP -Power Amplifier
(Specific factory preset required)



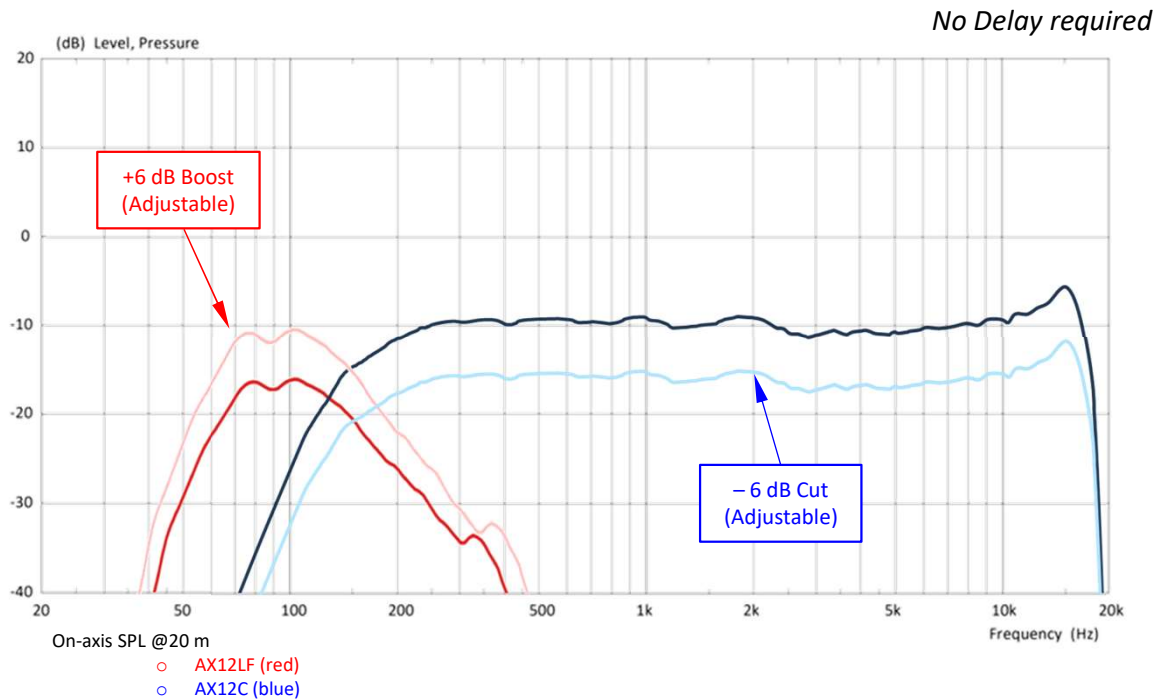
Flown example:

- 2 x AX12C
- 1 x AX12LF (bottom)

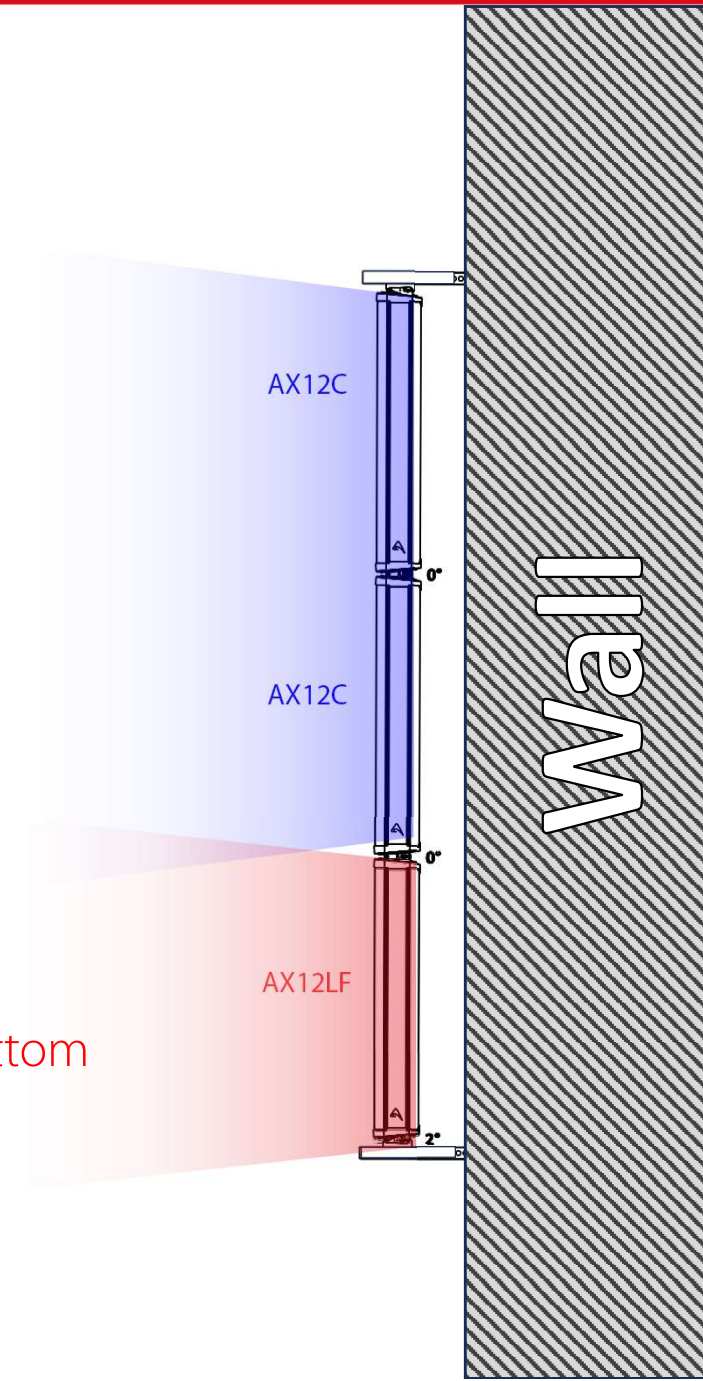


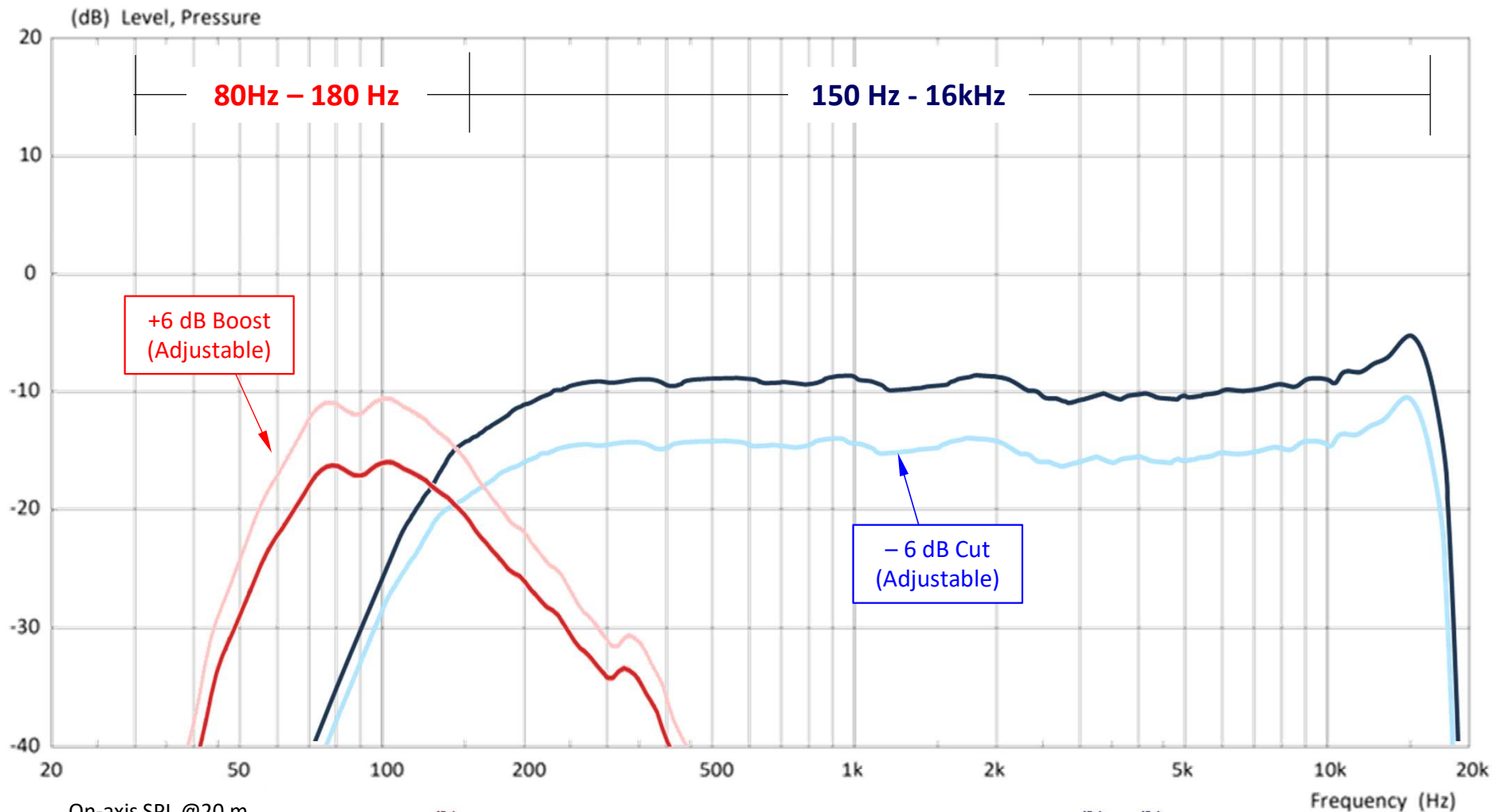
Wall-mounted example:

- 2 x AX12C
- 1 x AX12LF (bottom)



On bottom





On-axis SPL @20 m

- AX12LF (red)
- AX12C (blue)

1 x AX12LF

2 x AX12C



Configuration Overview

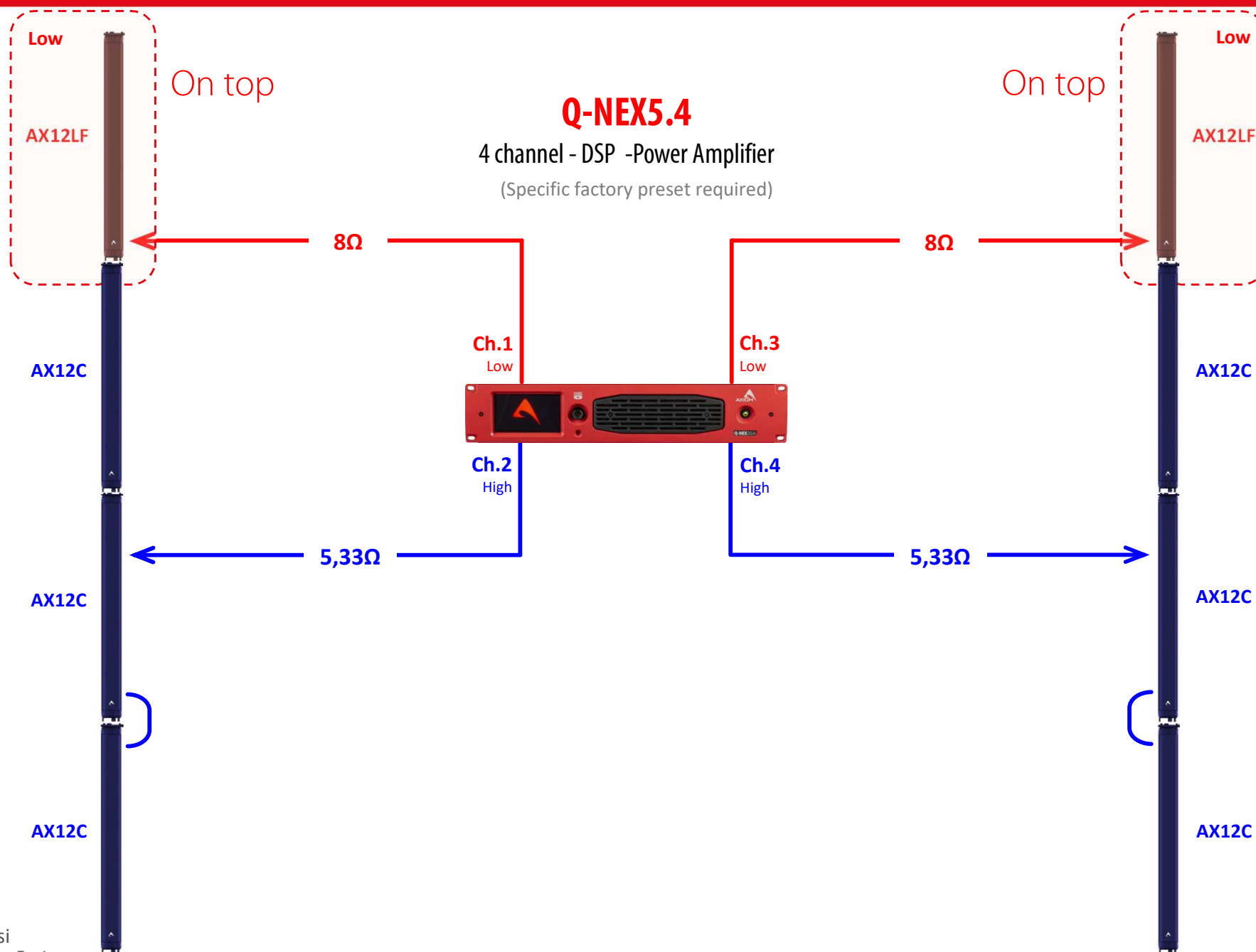
1 x AX12LF

over

3 x AX12C

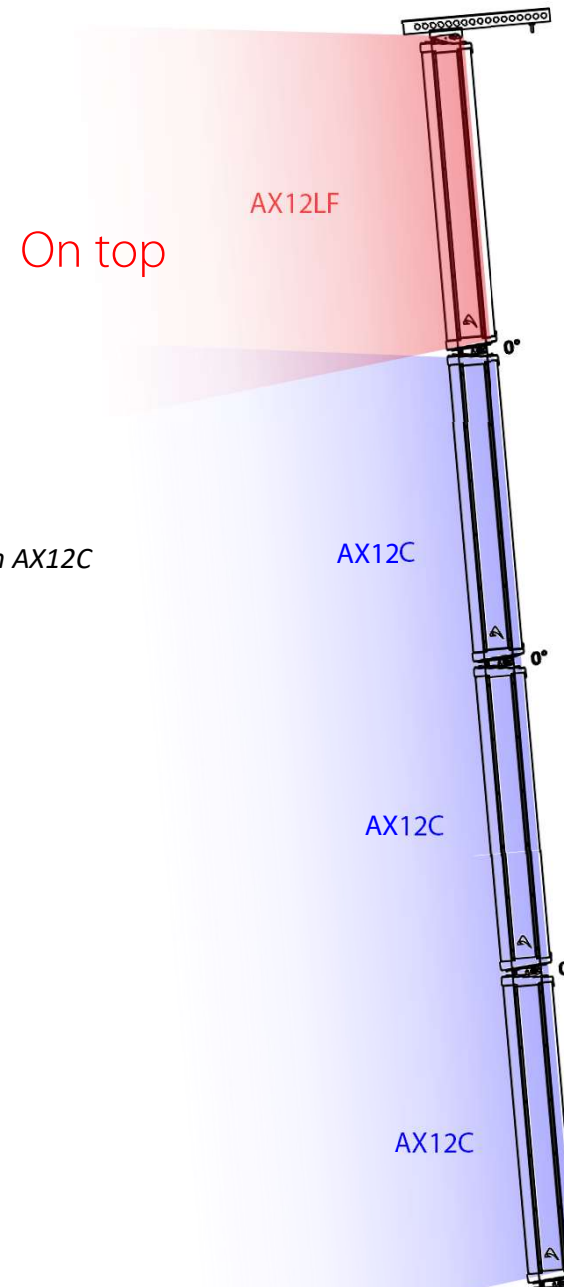
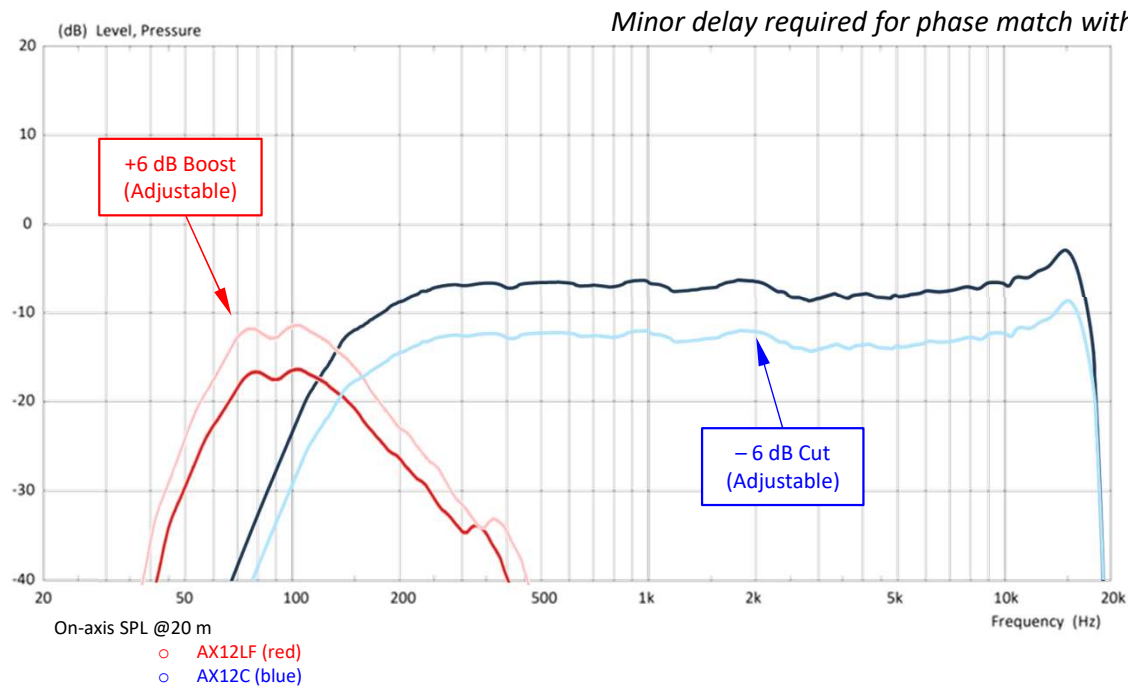


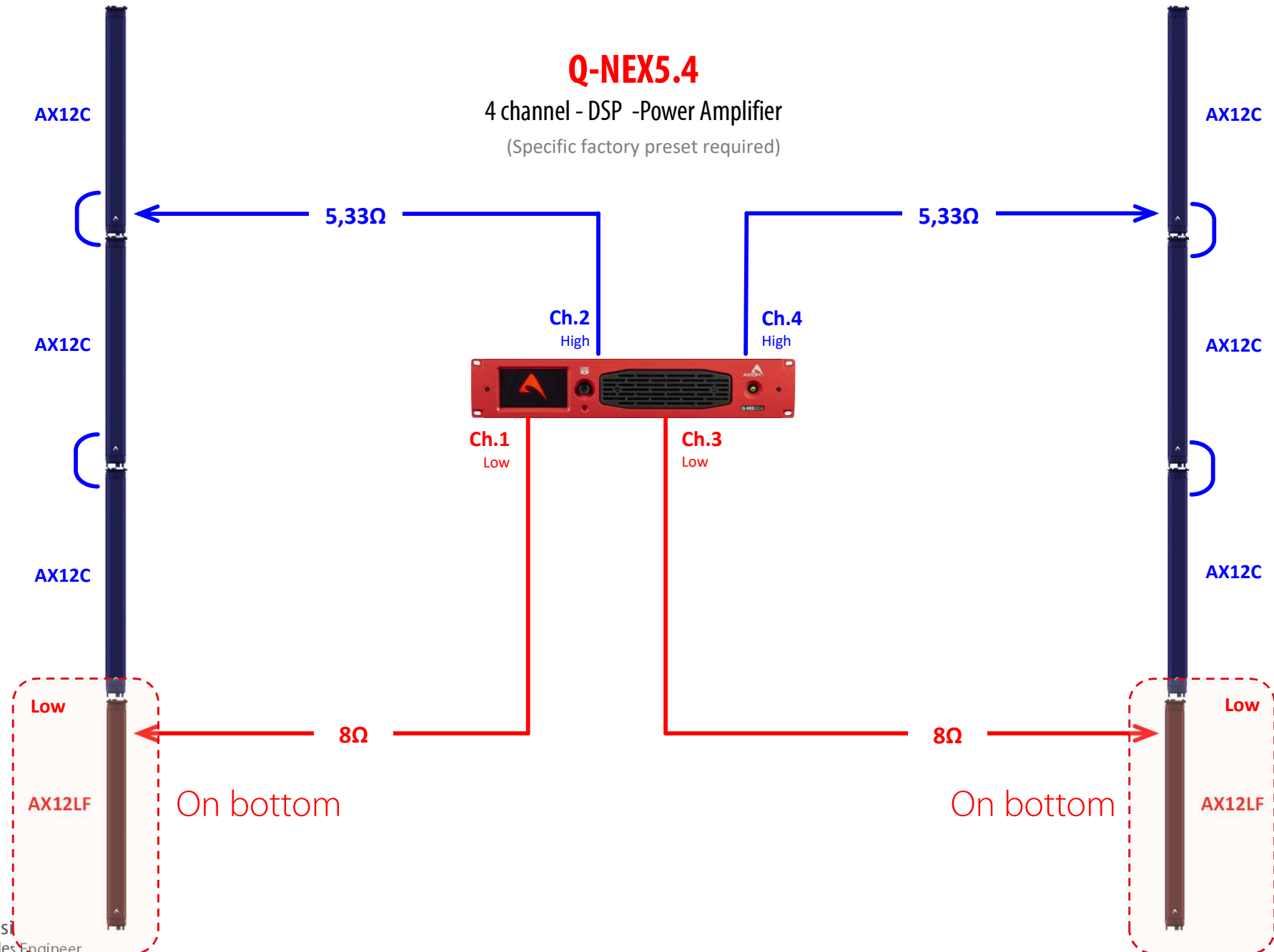
Frequency response and Q-NEX wiring diagrams in the following pages.



Flown example:

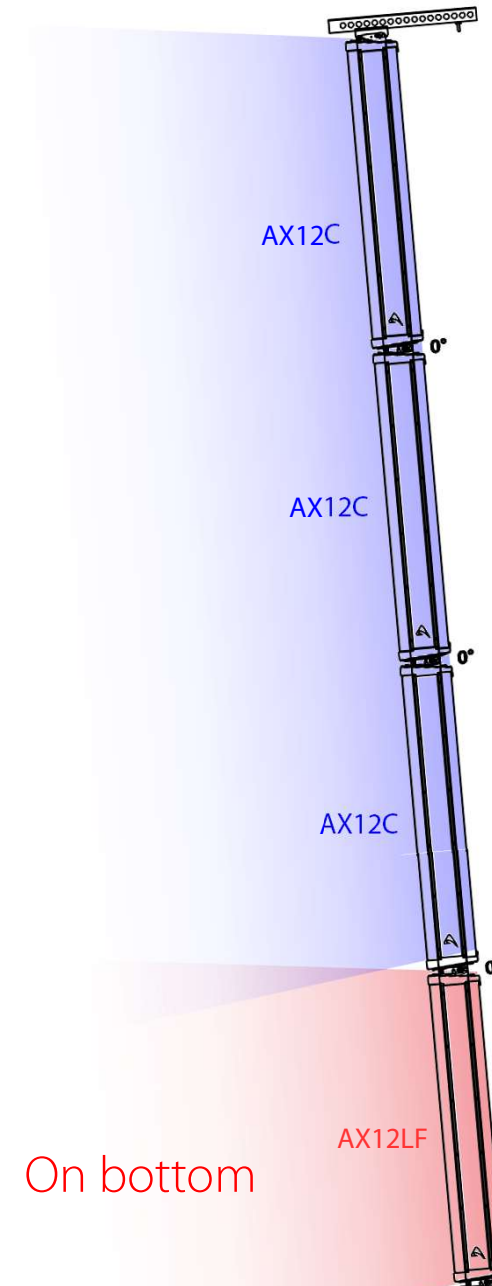
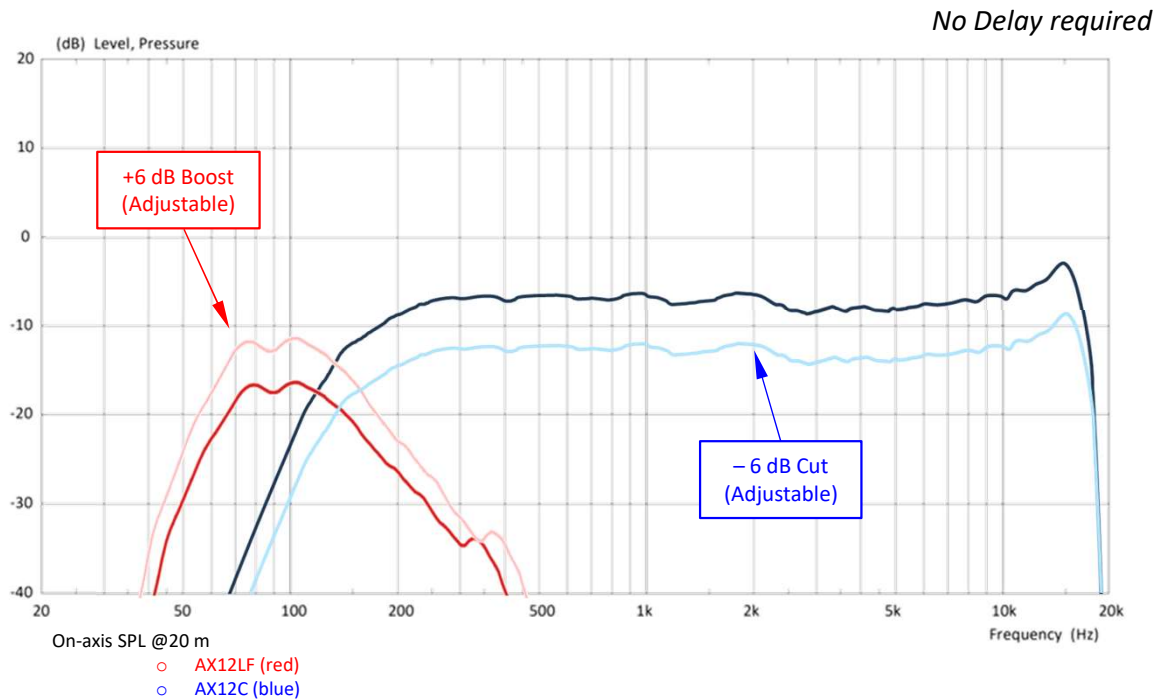
- 1 x AX12LF (top)
- 3 x AX12C

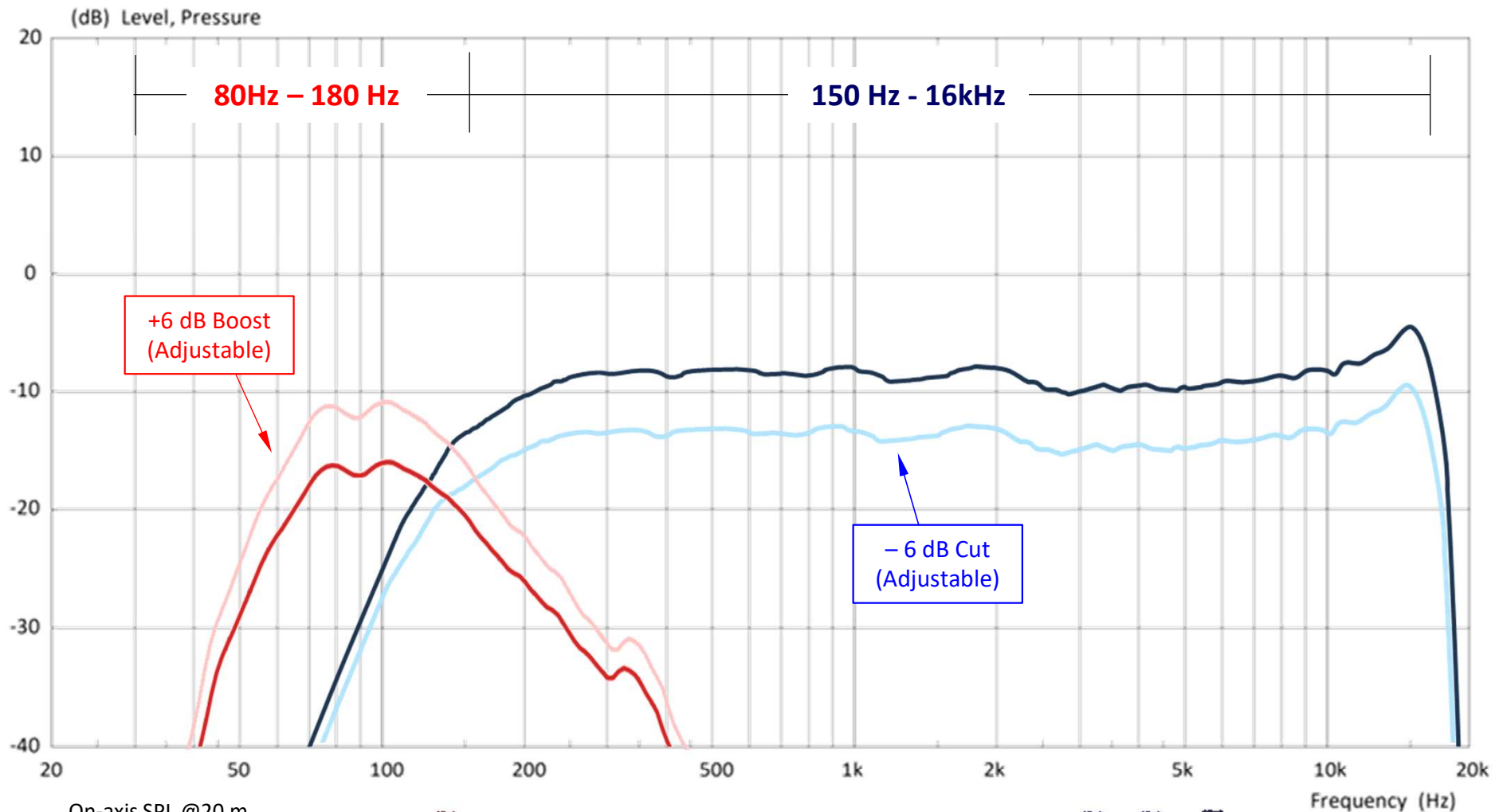




Flown example:

- 3 x AX12C
- 1 x AX12LF (bottom)





On-axis SPL @20 m

- AX12LF (red)
- AX12C (blue)

1 x AX12LF

3 x AX12C



Configuration Overview

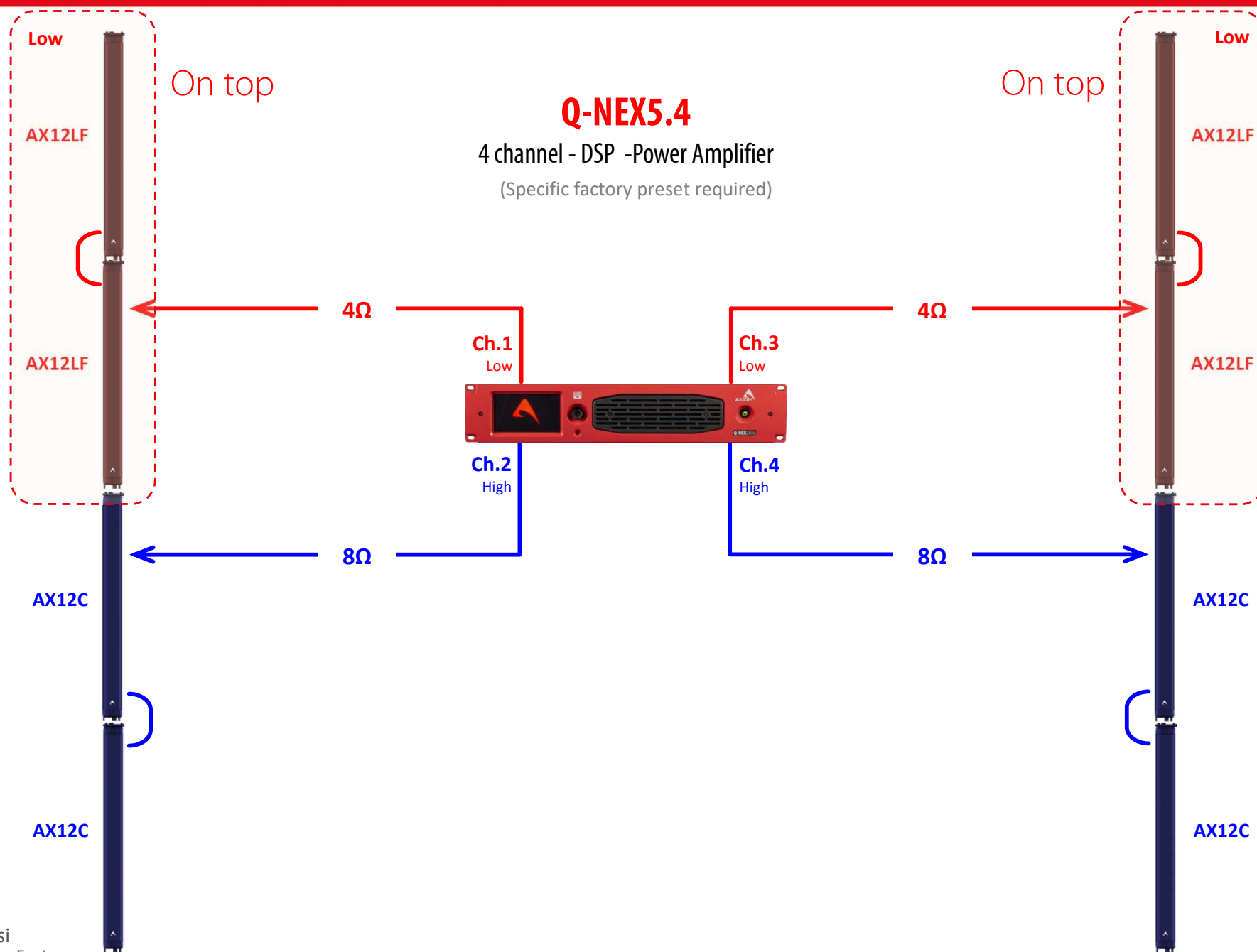
2 x AX12LF

over

2 x AX12C



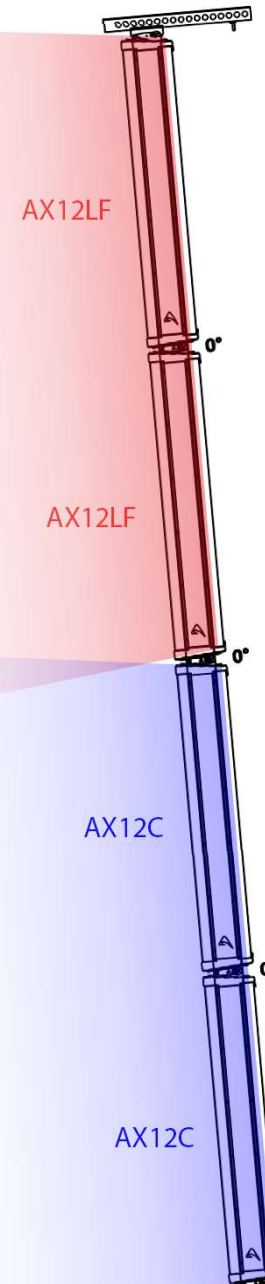
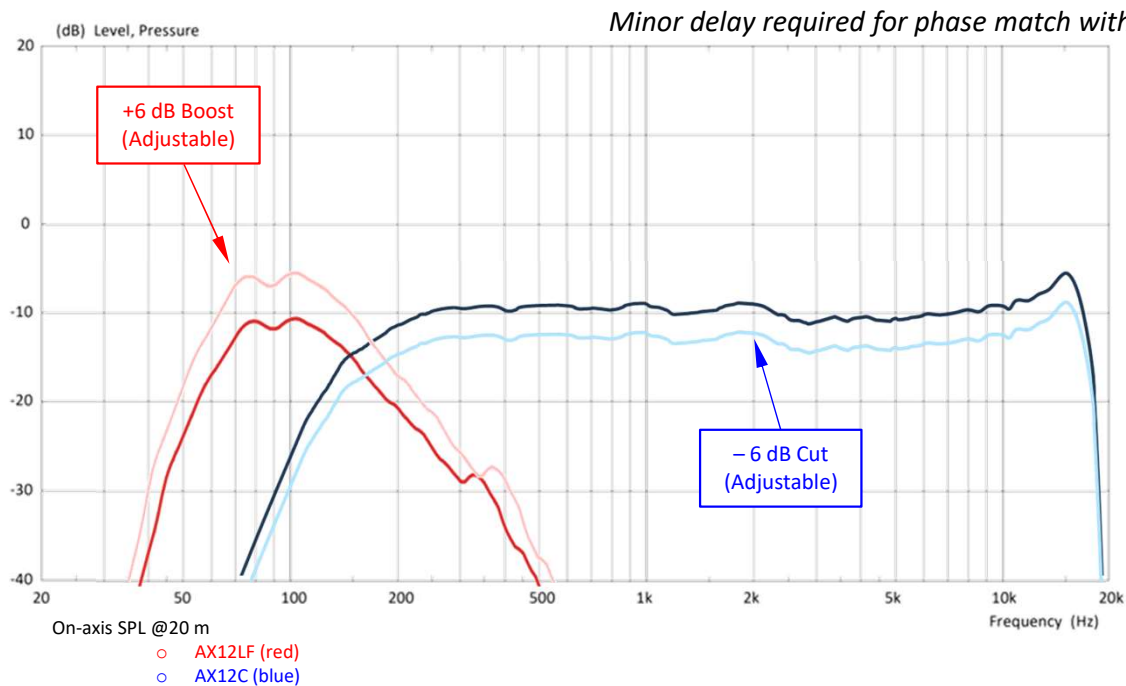
Frequency response and Q-NEX wiring diagrams in the following pages.

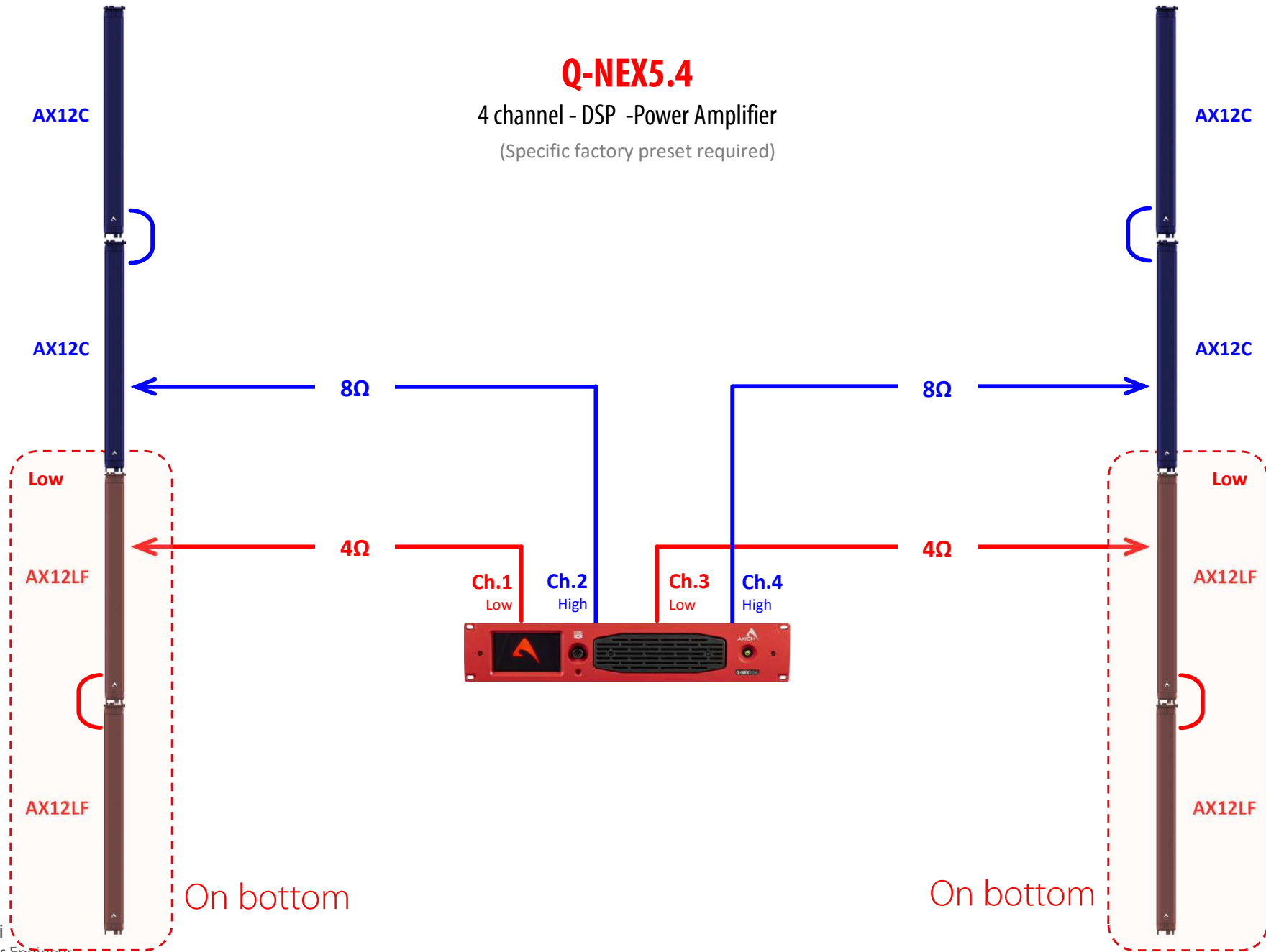


Flown example:

- 2 x AX12LF (top)
- 2 x AX12C

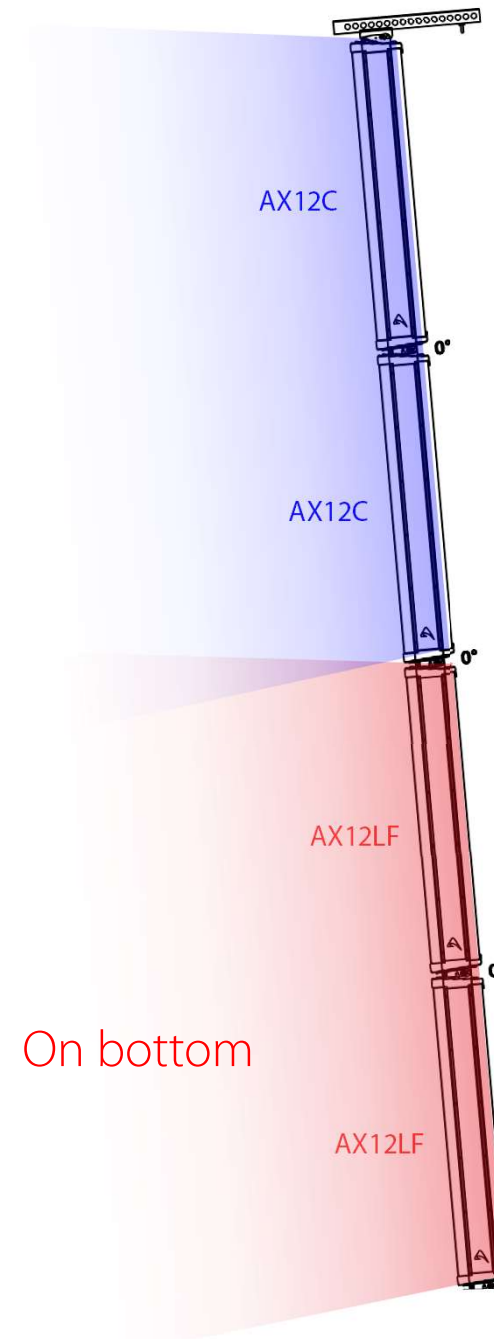
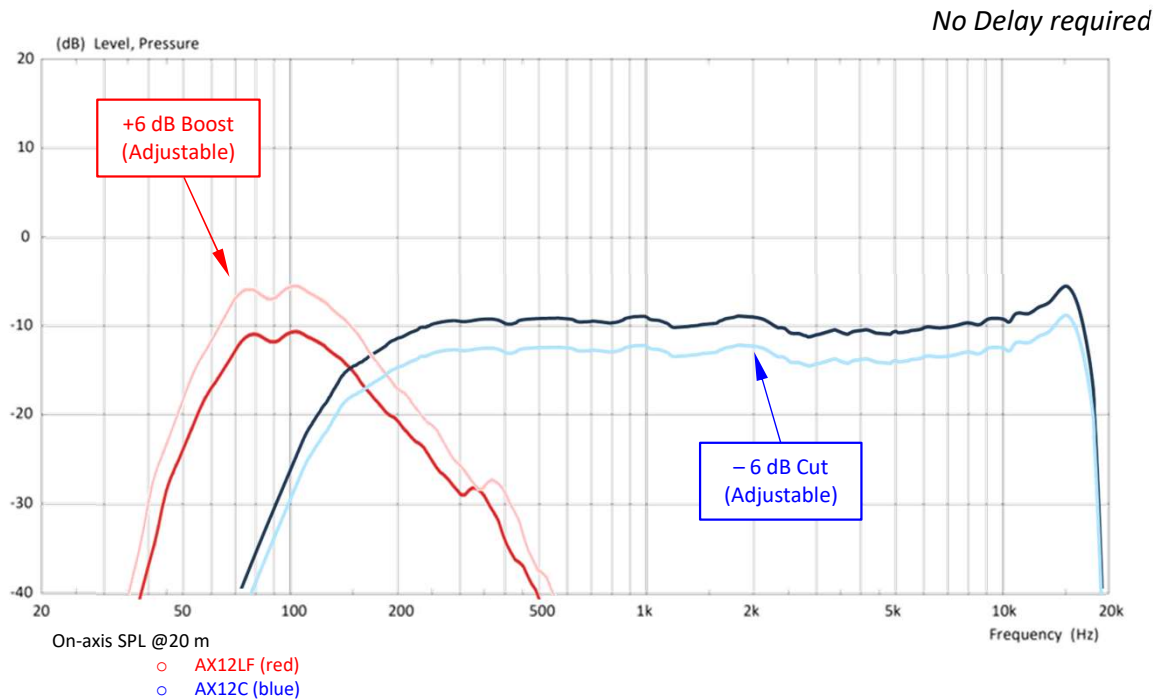
On top





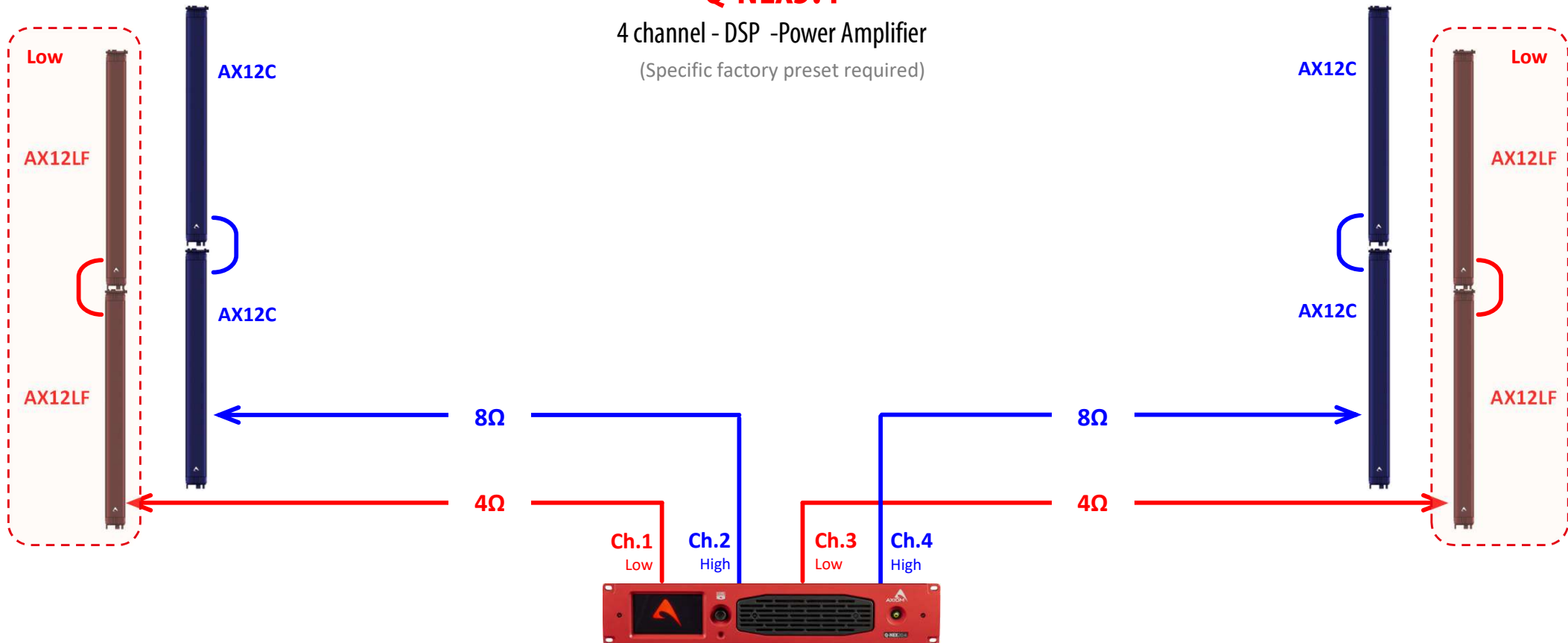
Flown example:

- 2 x AX12C
- 2 x AX12LF (bottom)



Q-NEX5.4

4 channel - DSP -Power Amplifier
(Specific factory preset required)

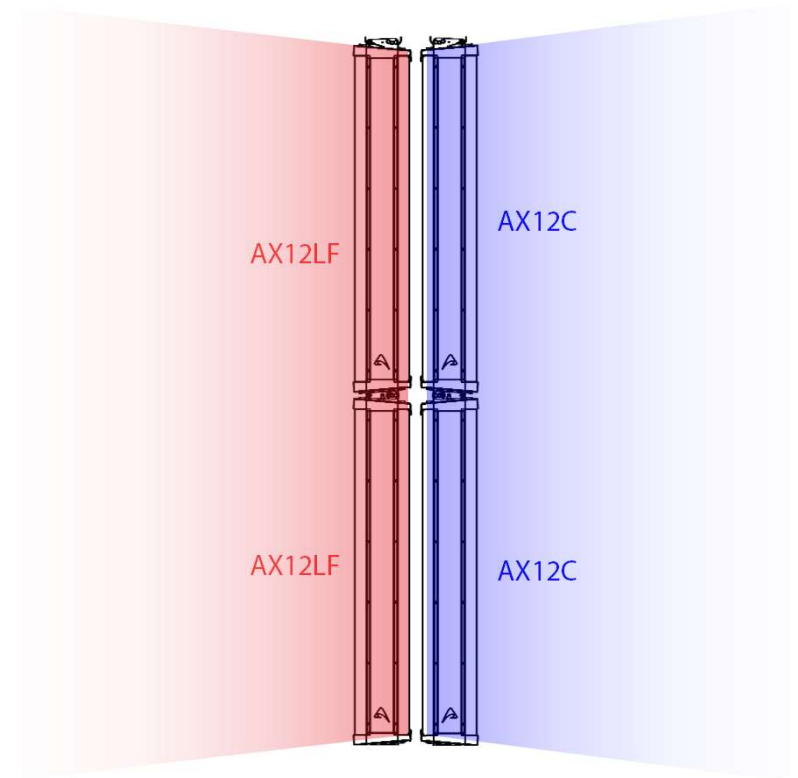
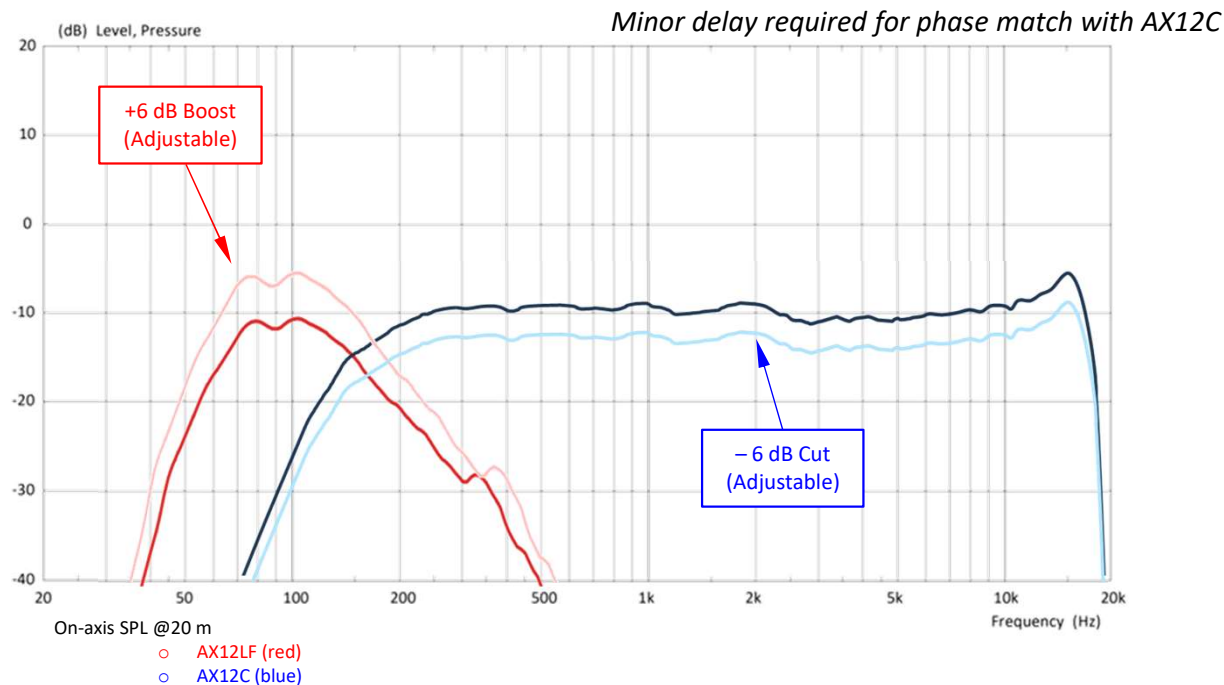


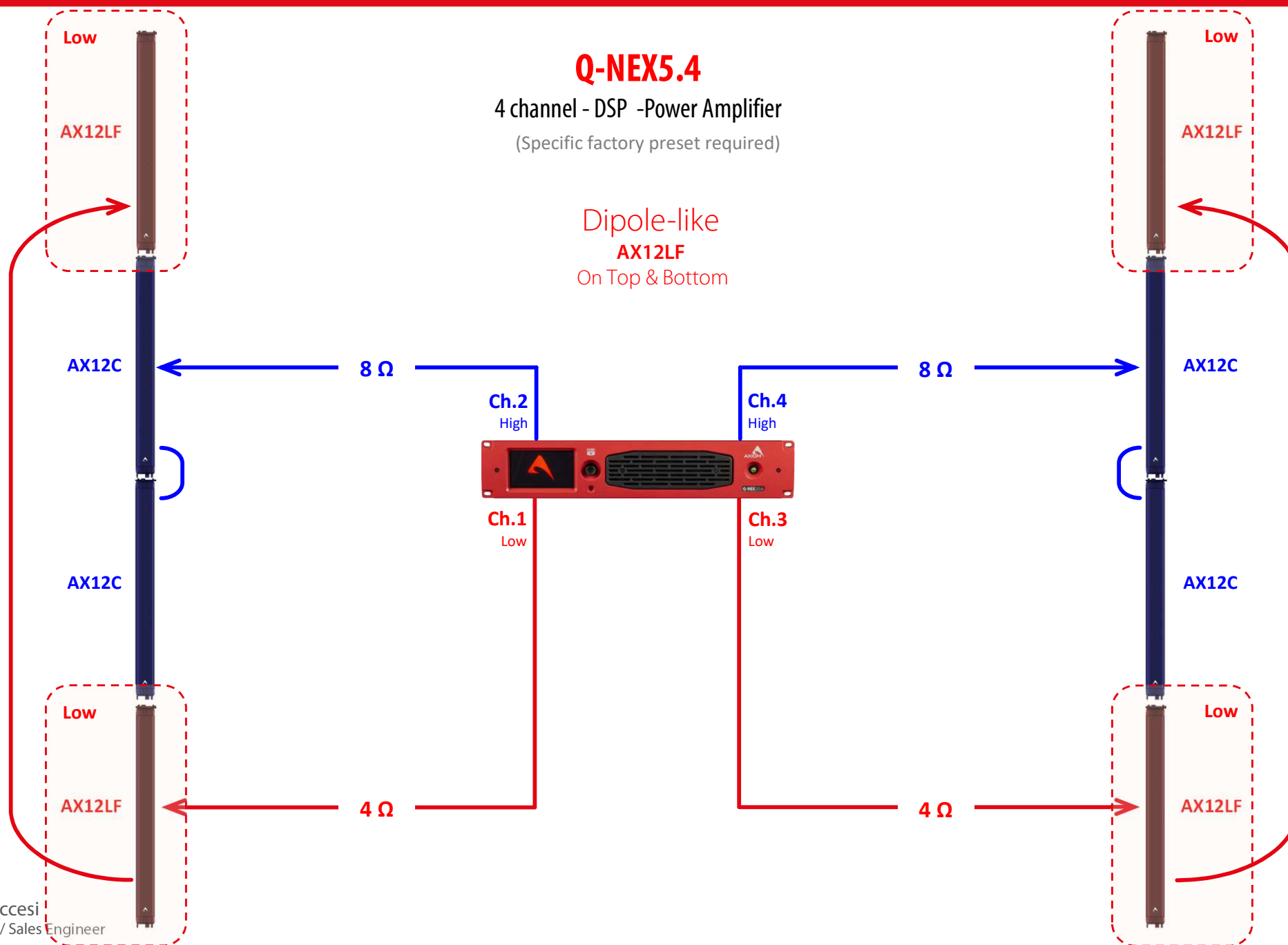
AX12LF array
Adjacent to the AX12C array

AX12LF array
Adjacent to the AX12C array

Dual flown or dual Wall-Mounted:

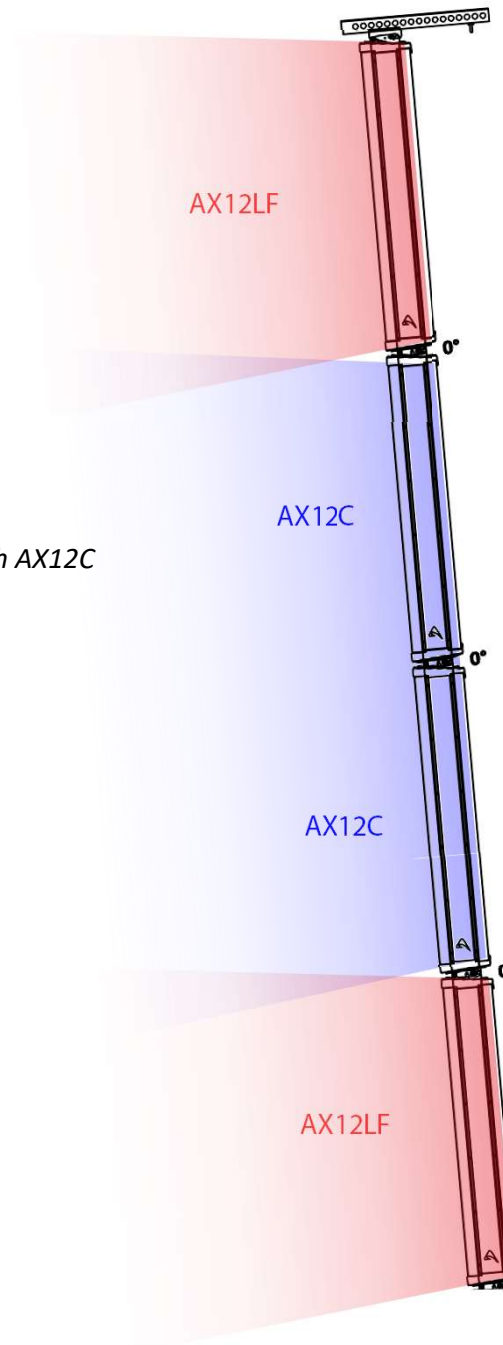
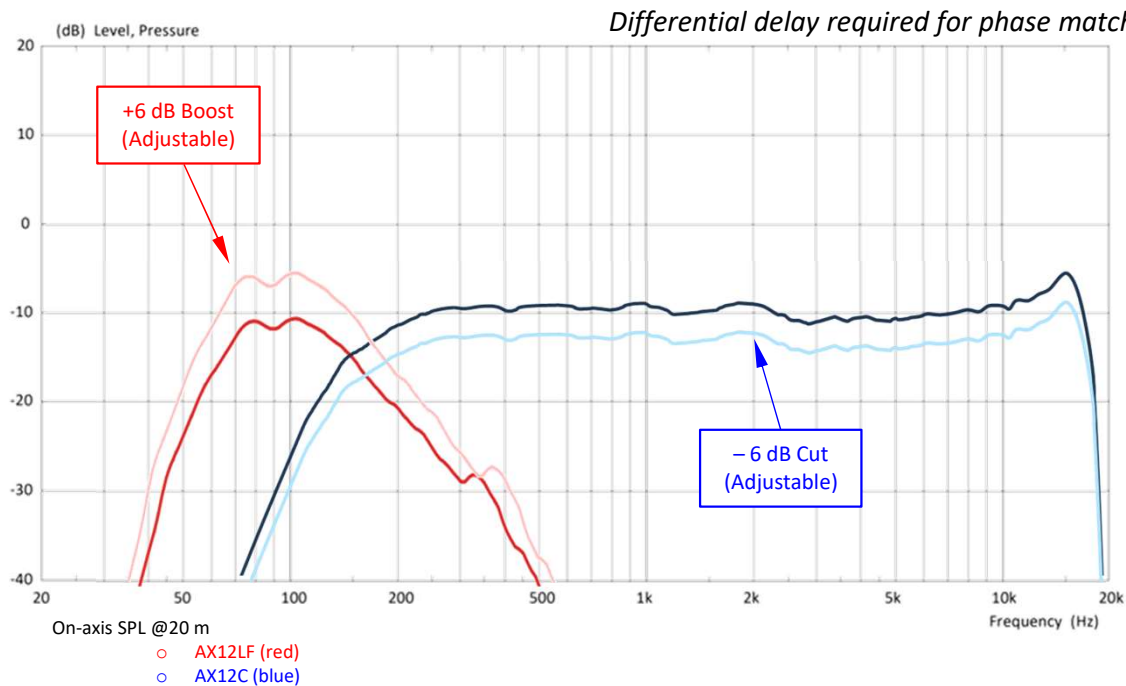
- 2 x AX12LF (Adjacent to AX12C)
- 2 x AX12C

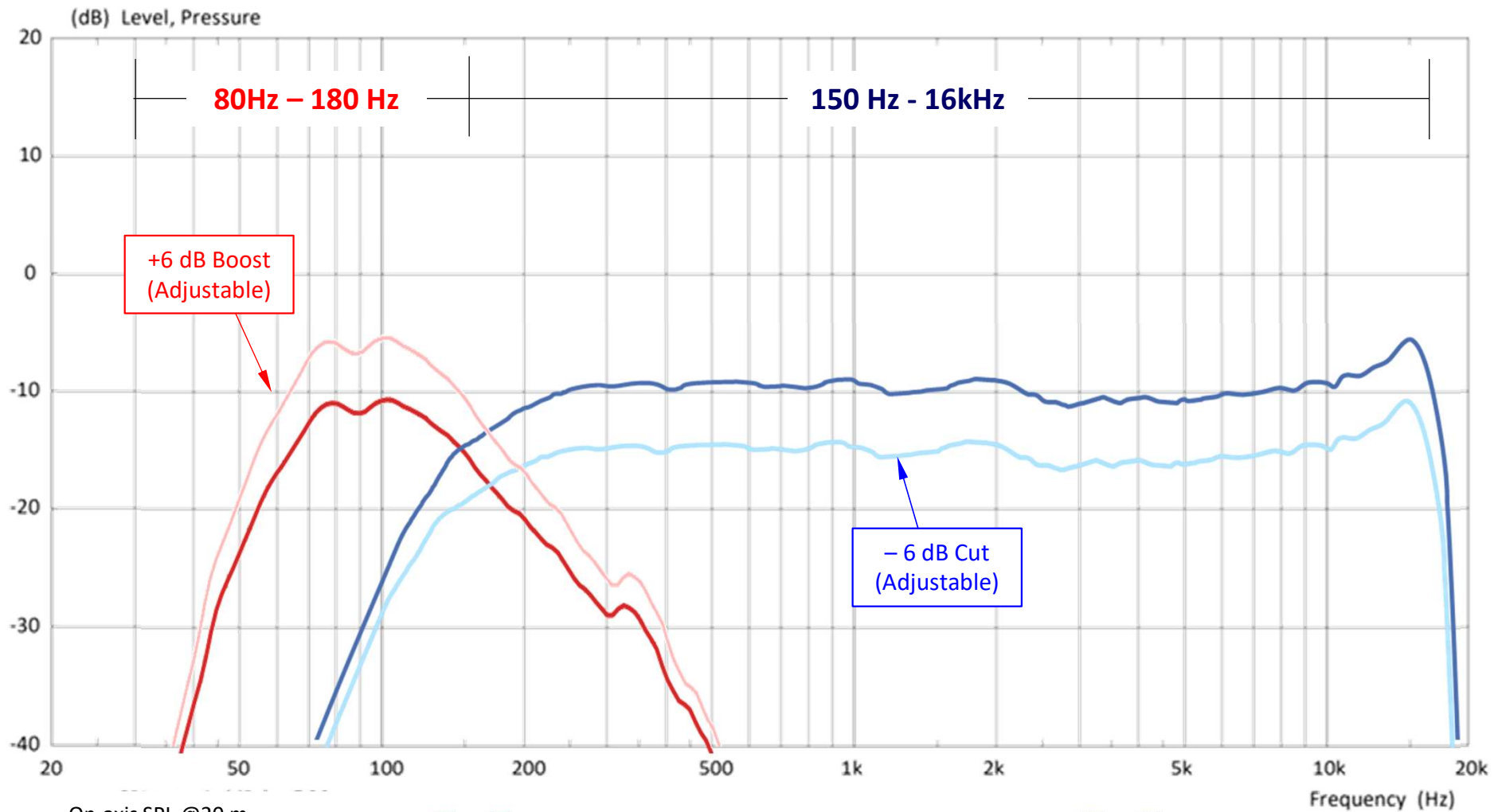




Flown example:

- 2 x AX12LF (dipole-like – top/bottom)
- 2 x AX12C





On-axis SPL @20 m

- AX12LF (red)
- AX12C (blue)

2 x AX12LF

2 x AX12C



Configuration Overview

2 x AX12LF

over

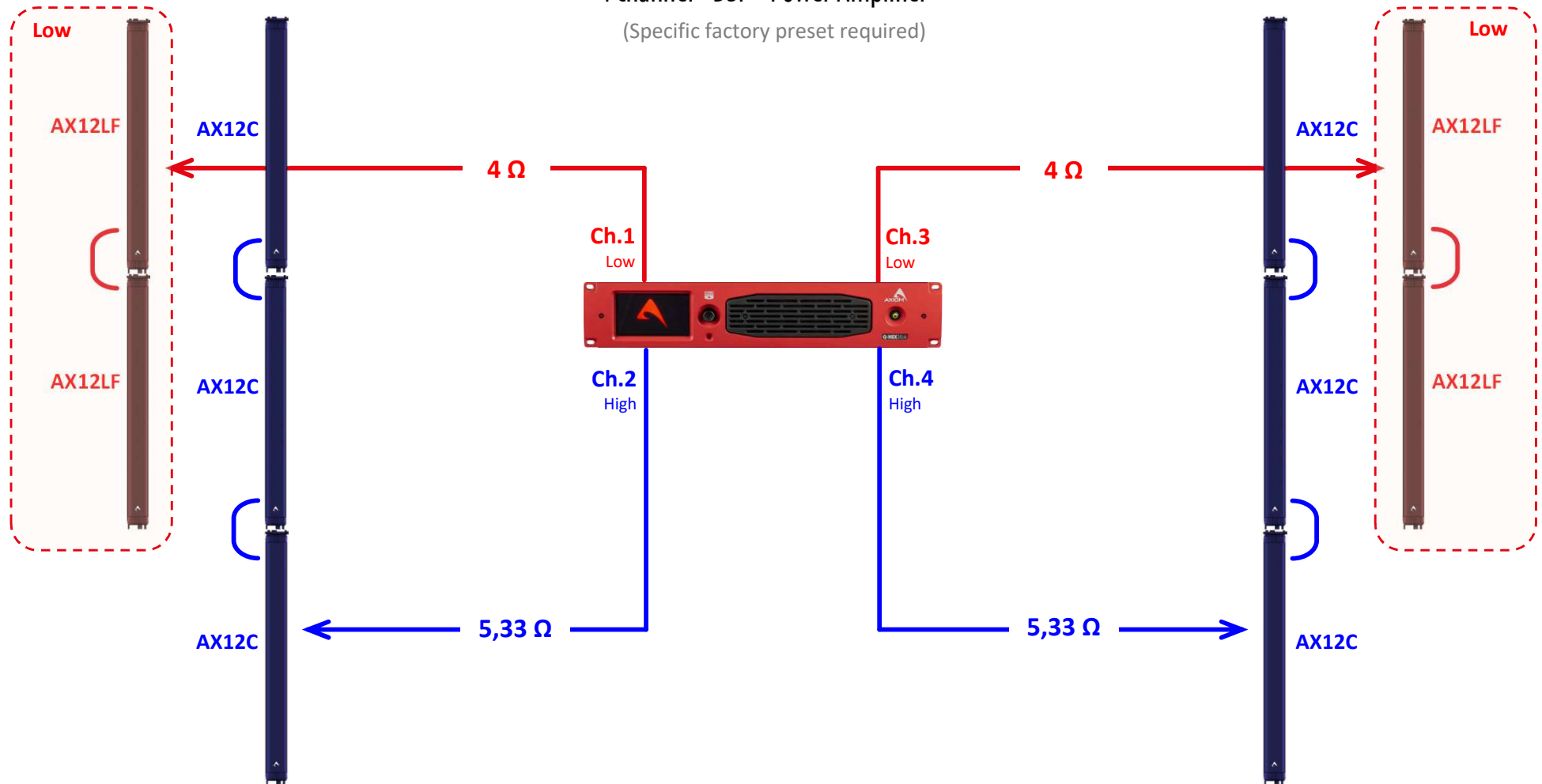
3 x AX12C



Frequency response and Q-NEX wiring diagrams in the following pages.

Q-NEX10.4

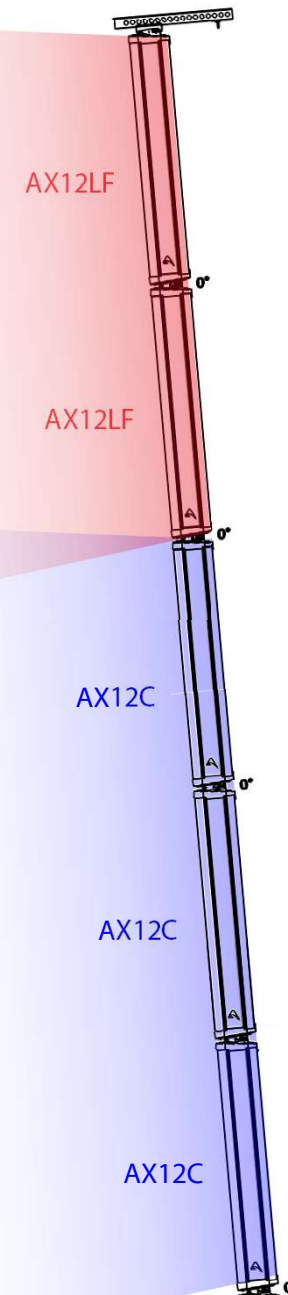
4 channel - DSP -Power Amplifier
(Specific factory preset required)



Flown example:

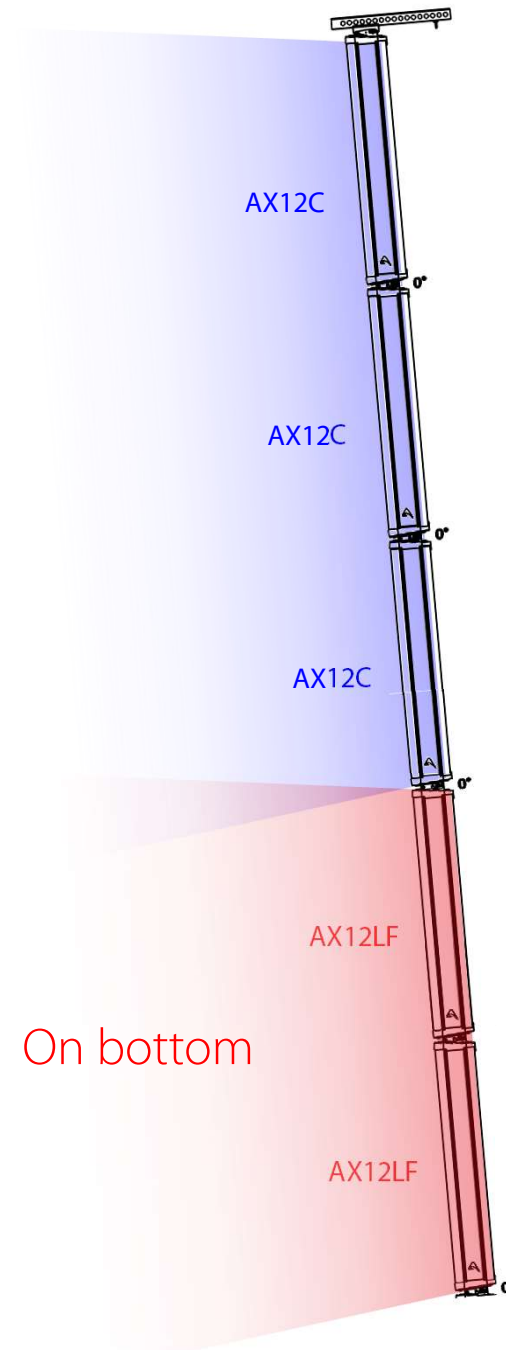
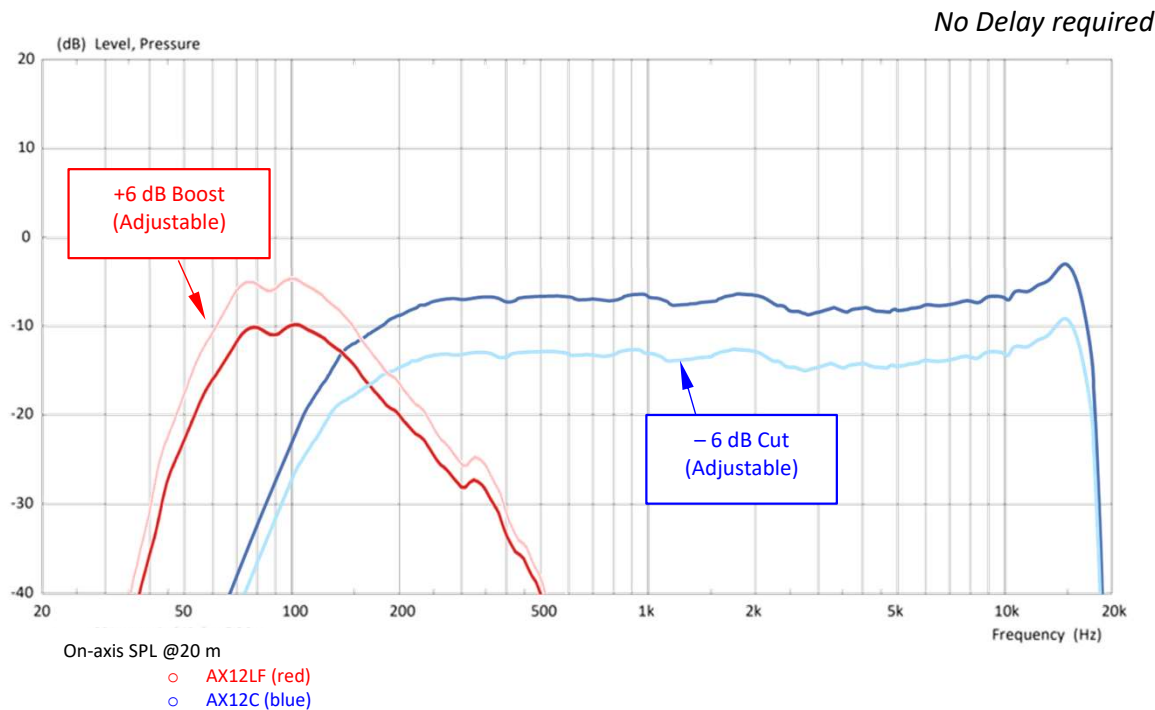
- 2 x AX12LF (top)
- 3 x AX12C

On top



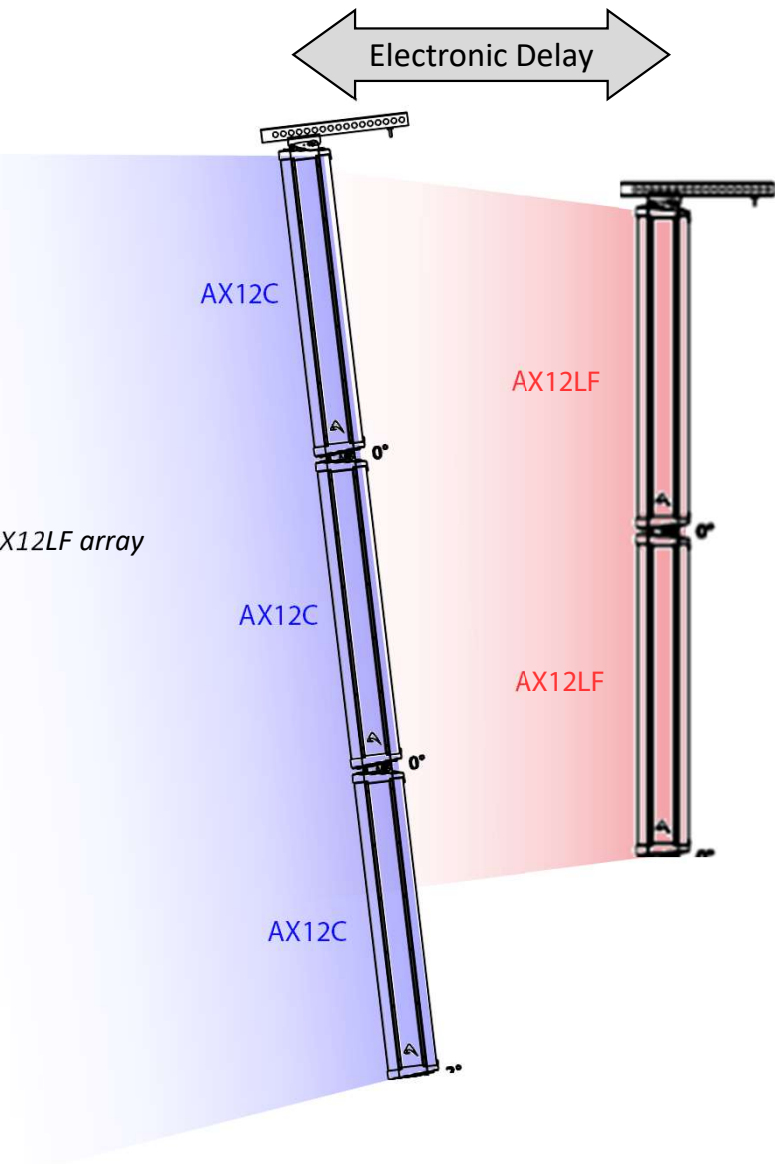
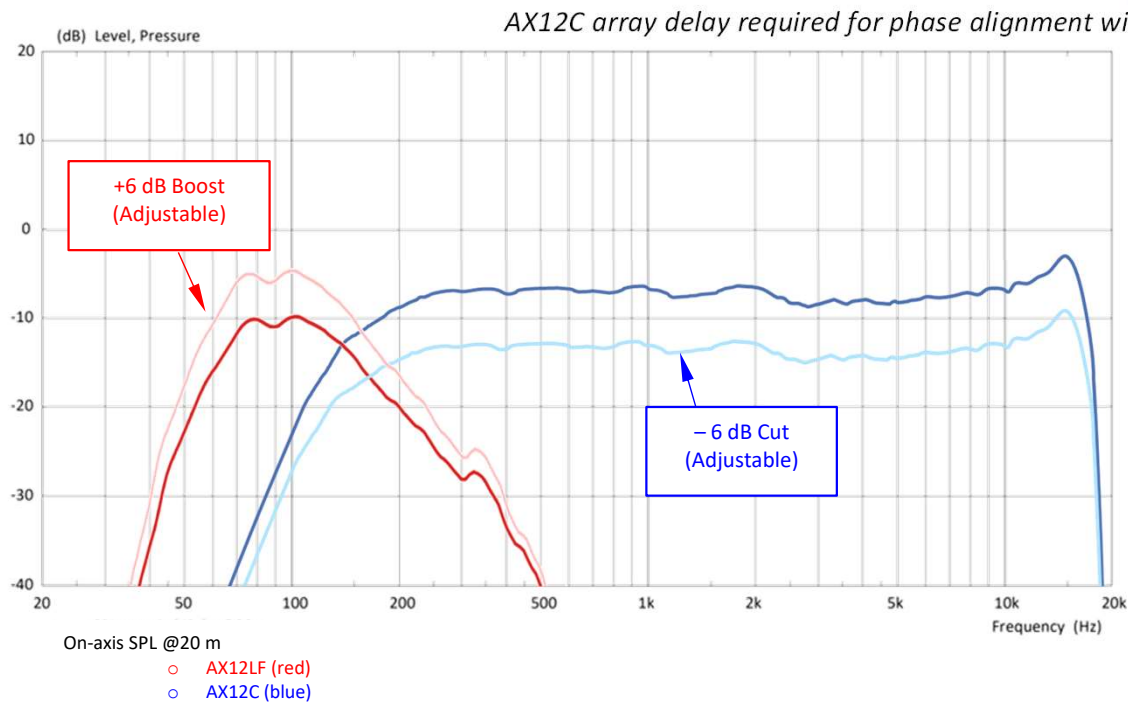
Flown example:

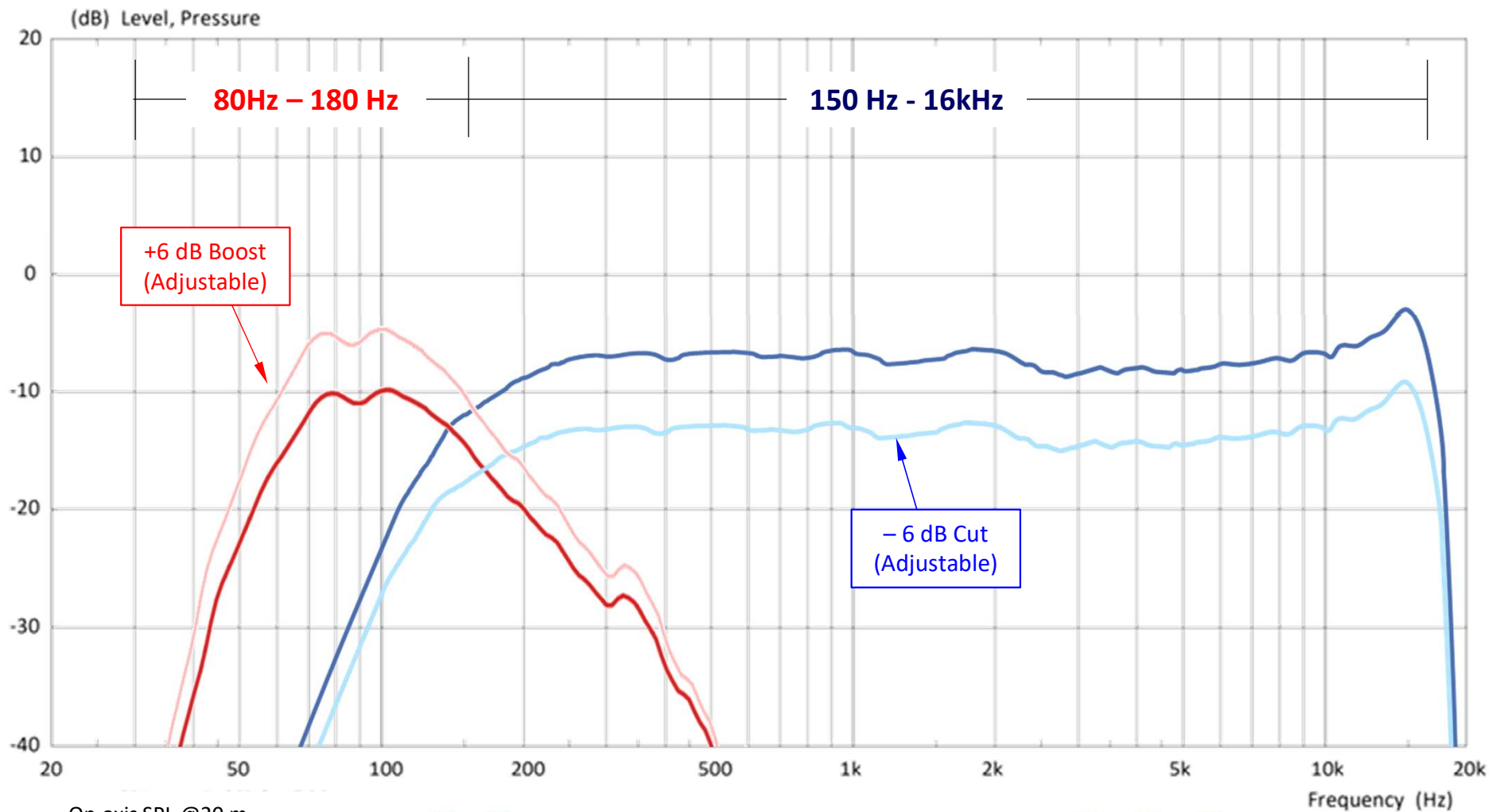
- 3 x AX12C
- 2 x AX12LF (bottom)



Flown dual-hang example:

- 2 x AX12LF (back)
- 3 x AX12C





On-axis SPL @20 m

- AX12LF (red)
- AX12C (blue)

2 x AX12LF

3 x AX12C



Configuration Overview

3 x AX12LF

over

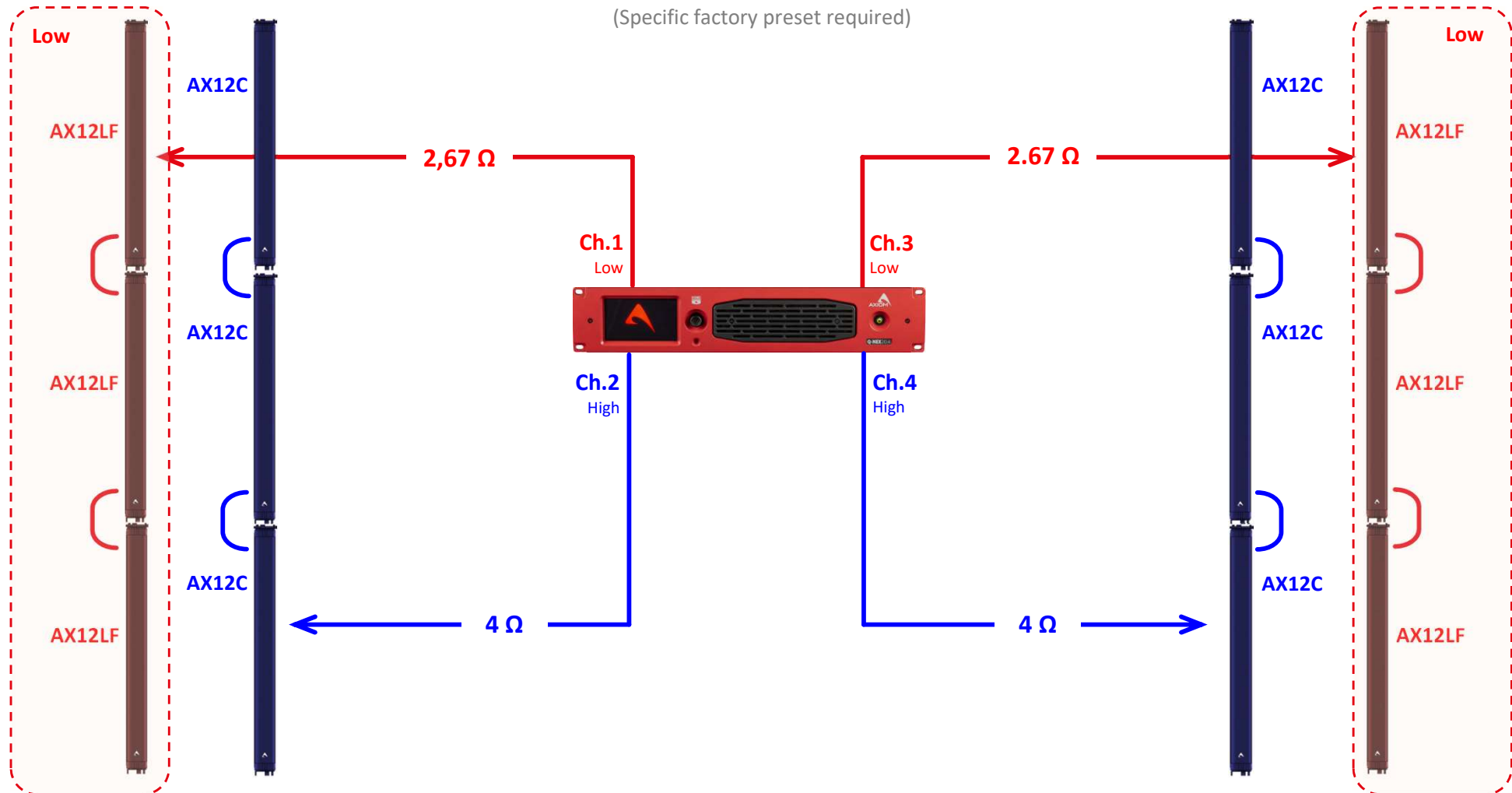
3 x AX12C



Frequency response and Q-NEX wiring diagrams in the following pages.

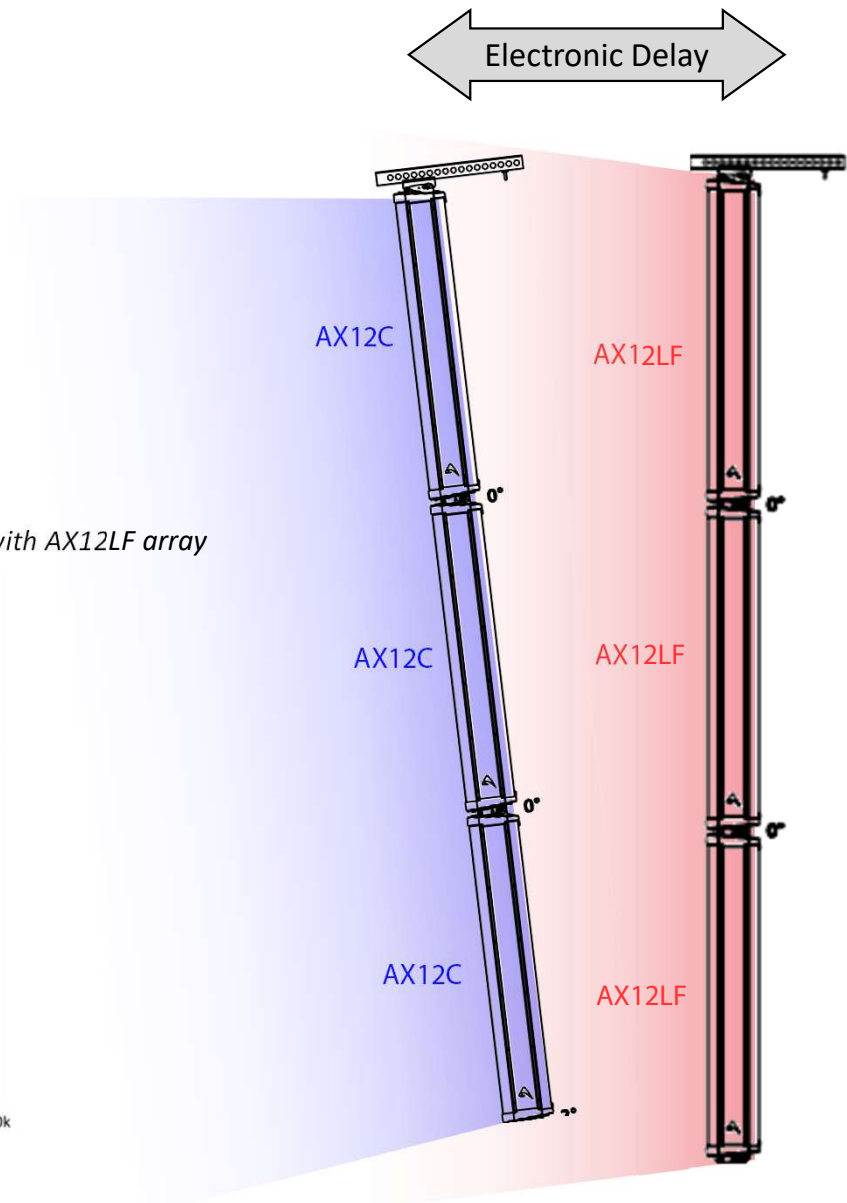
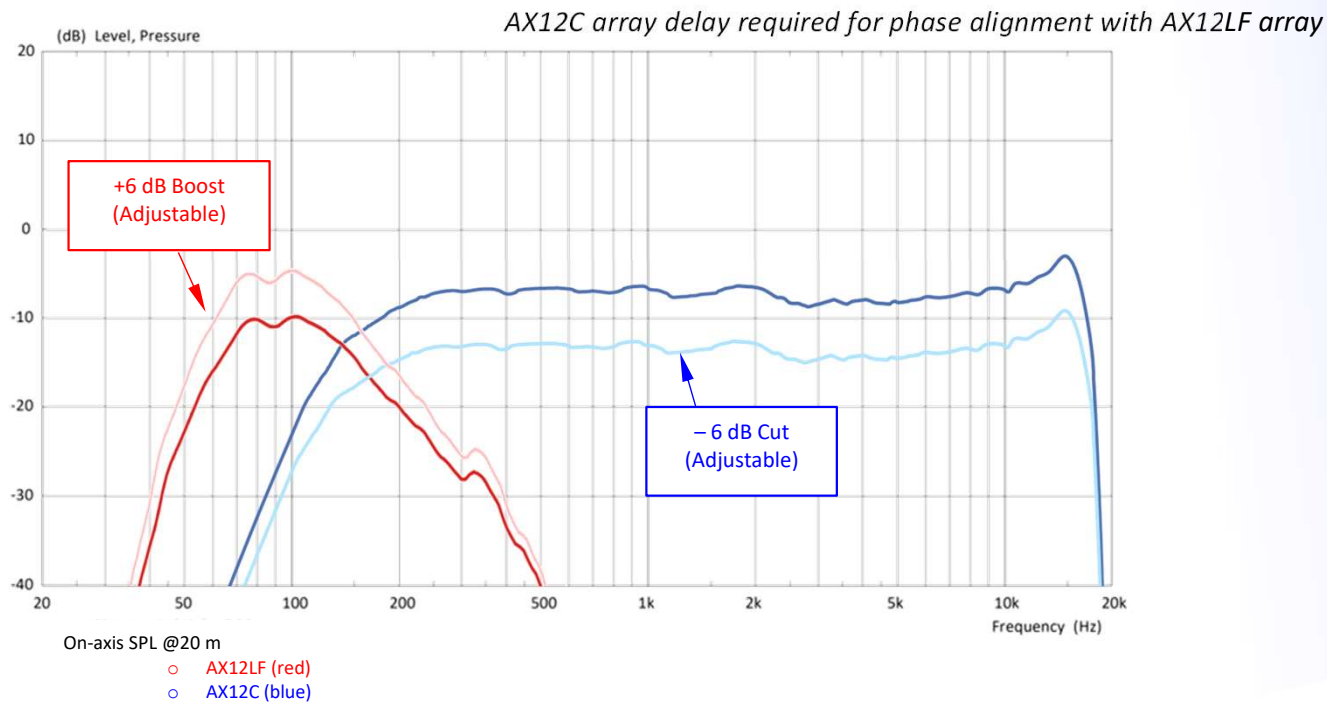
Q-NEX10.4

4 channel - DSP -Power Amplifier
(Specific factory preset required)



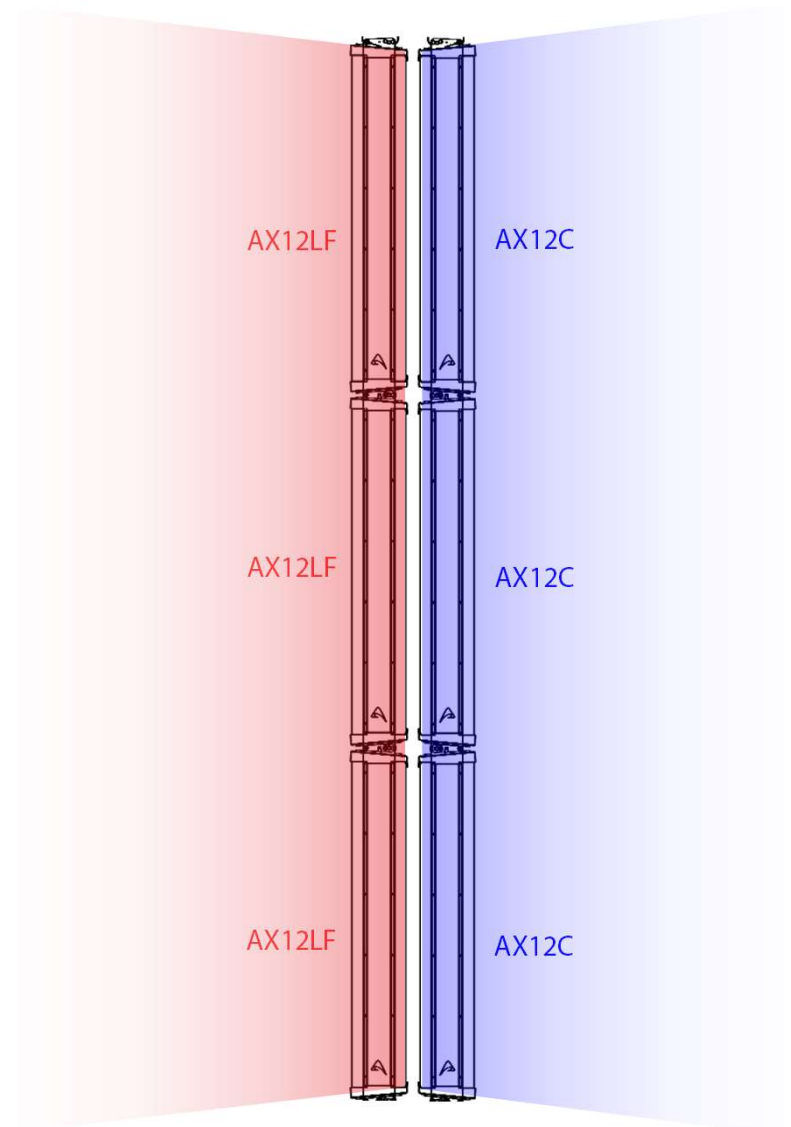
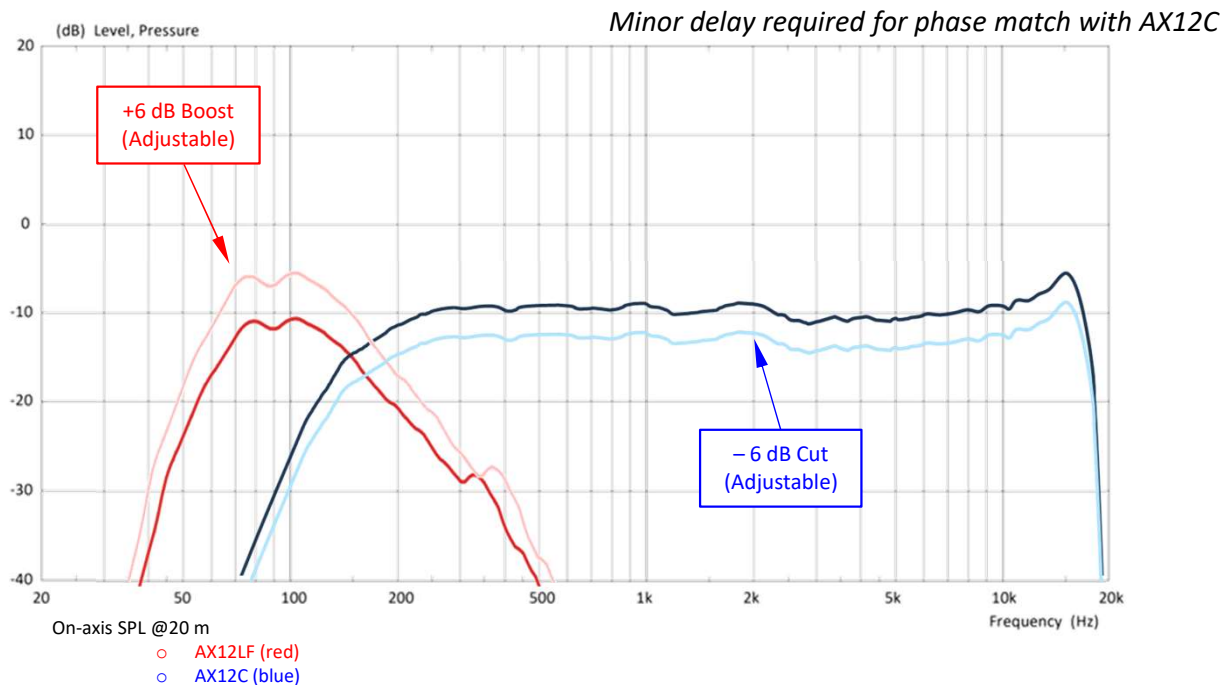
Flown dual-hang example:

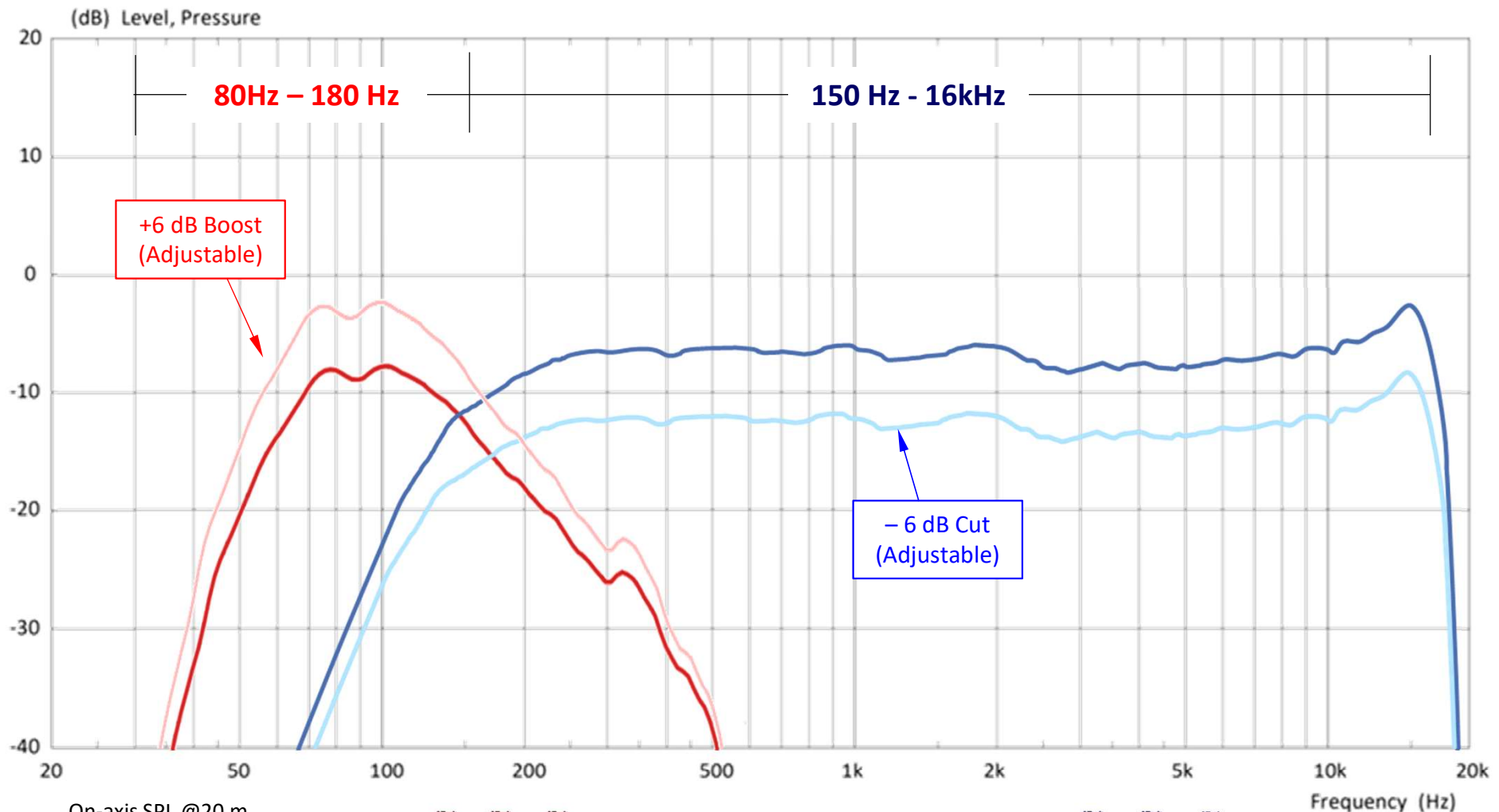
- 2 x AX12LF (back)
- 3 x AX12C



Dual flown or dual Wall-Mounted:

- 2 x AX12LF
- 2 x AX12C





On-axis SPL @20 m

- AX12LF (red)
- AX12C (blue)

3 x AX12LF

3 x AX12C



Configuration Overview

3 x AX12LF

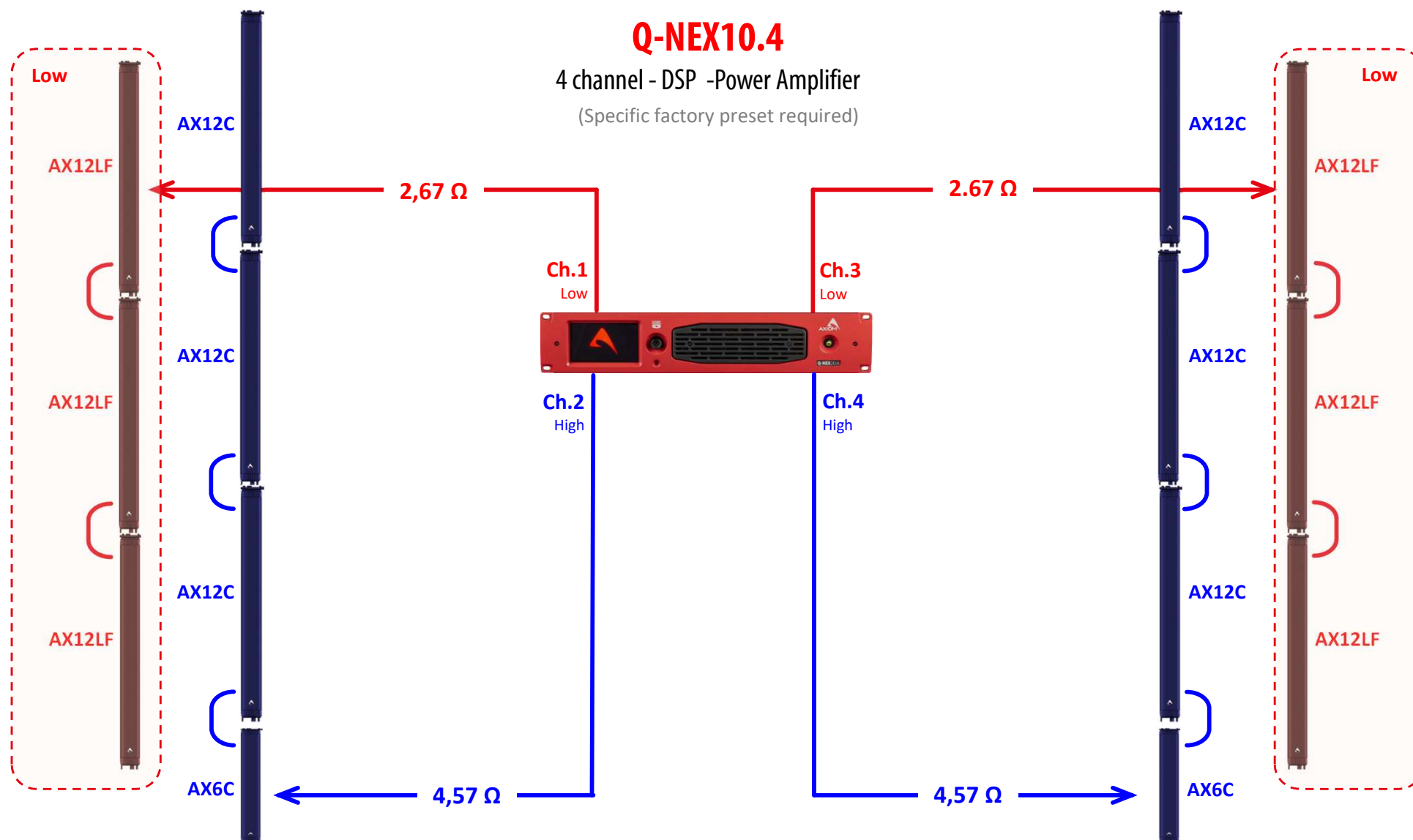
over

3 x AX12C

1 x AX6C



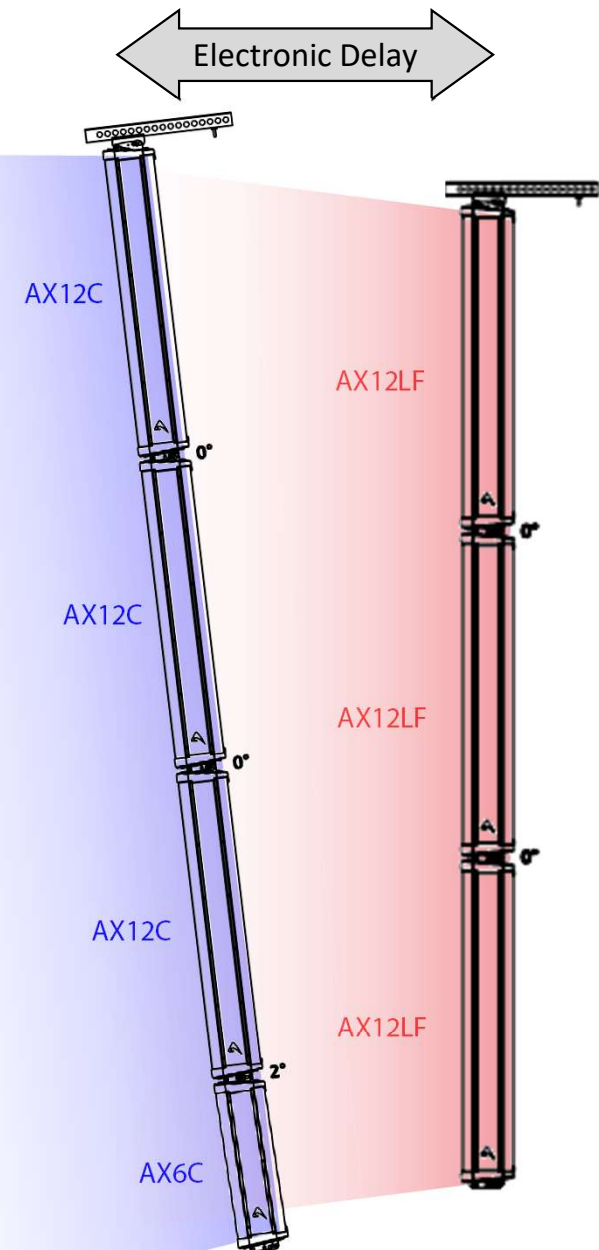
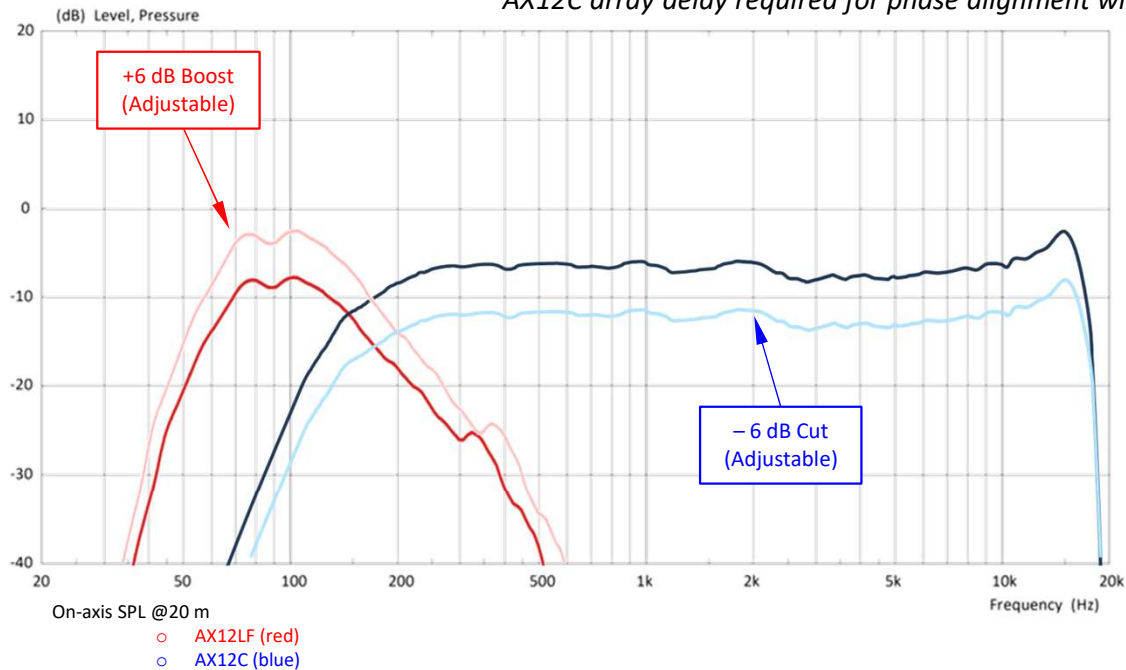
Frequency response and Q-NEX wiring diagrams in the following pages.



Flown dual-hang example:

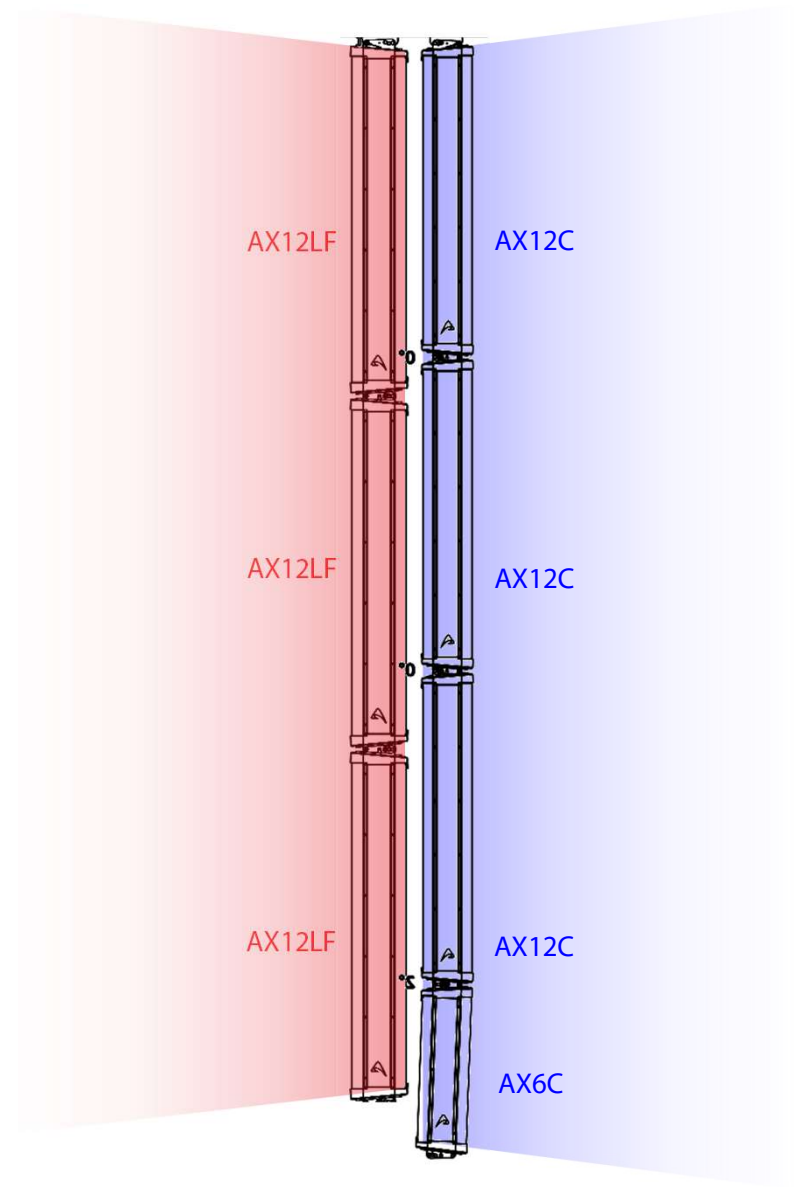
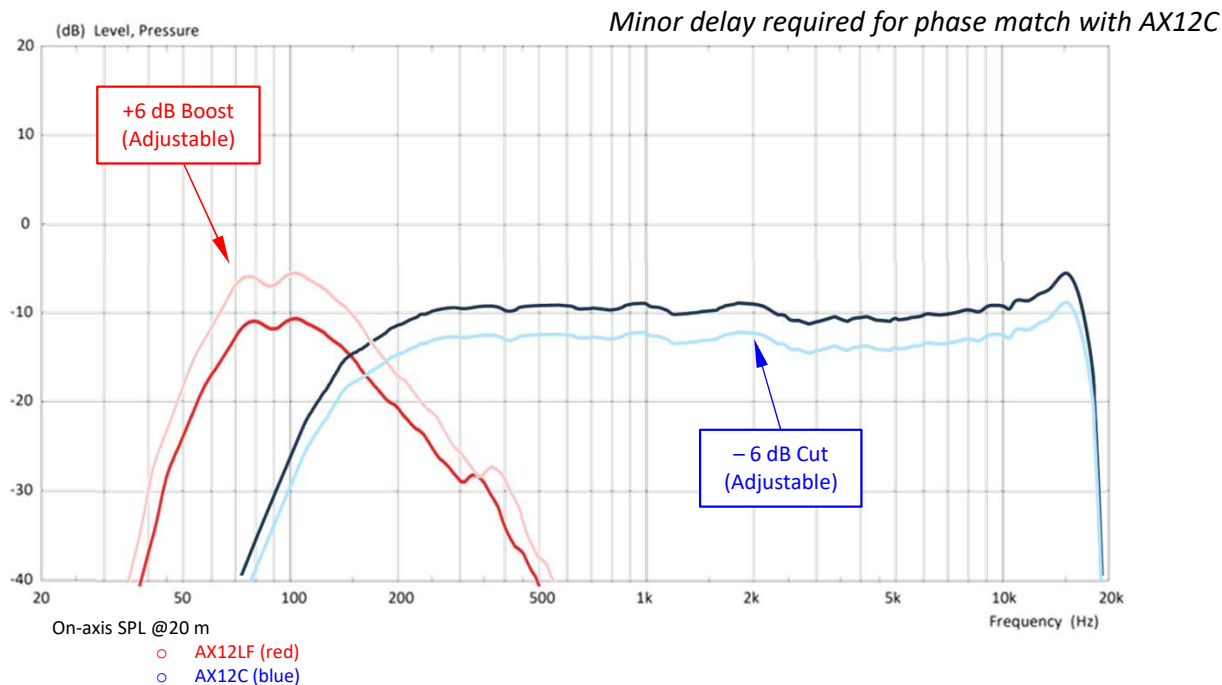
- 3 x AX12LF (back)
- 3 x AX12C
- 1 x AX6C

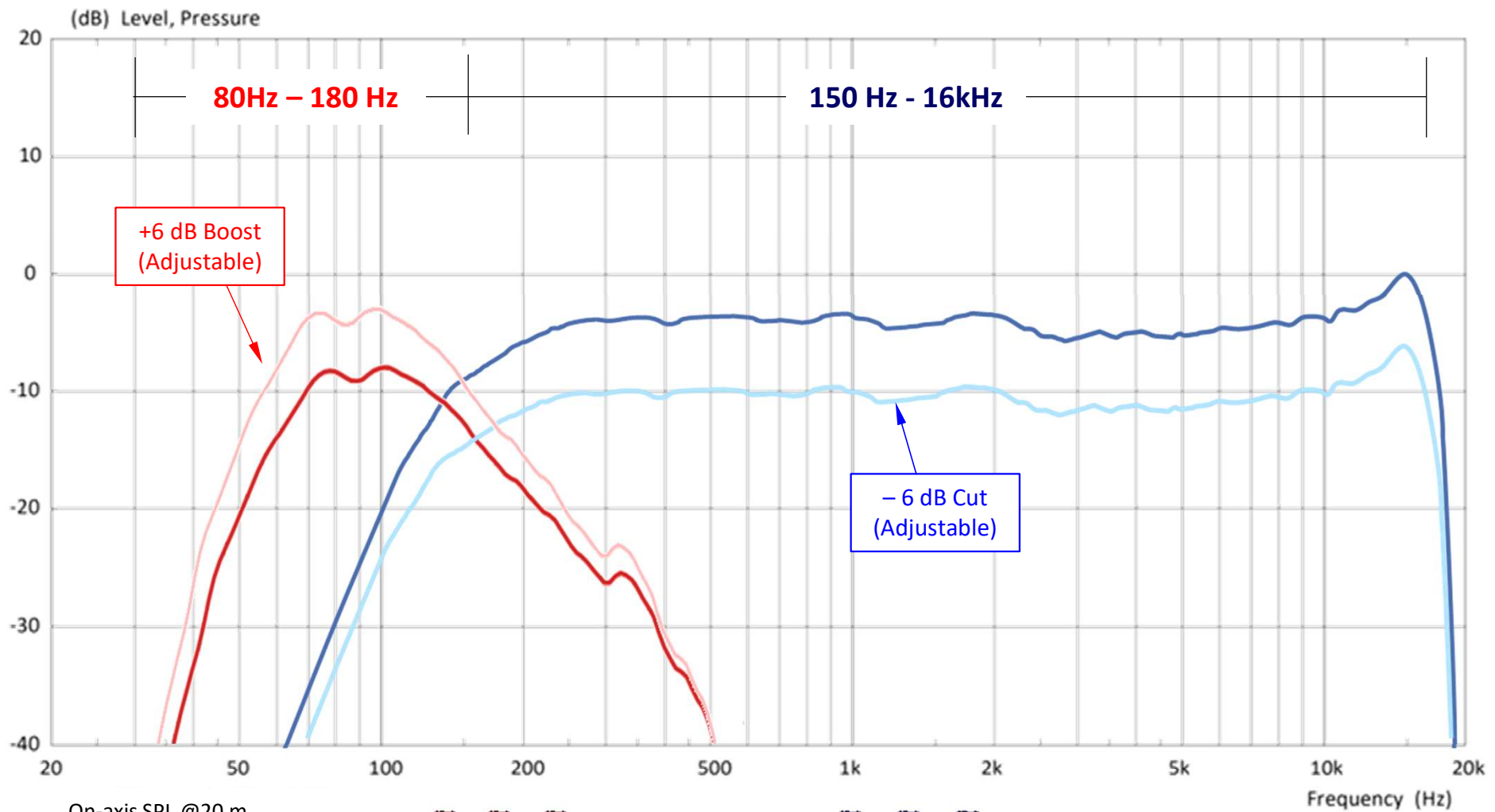
AX12C array delay required for phase alignment with AX12LF array



Dual flown or dual Wall-Mounted:

- 3 x AX12LF (dipole-like – top/bottom)
- 2 x AX12C
- 1 x AX6C





3 x AX12LF

3 x AX12C

1 x AX6C



Configuration Overview

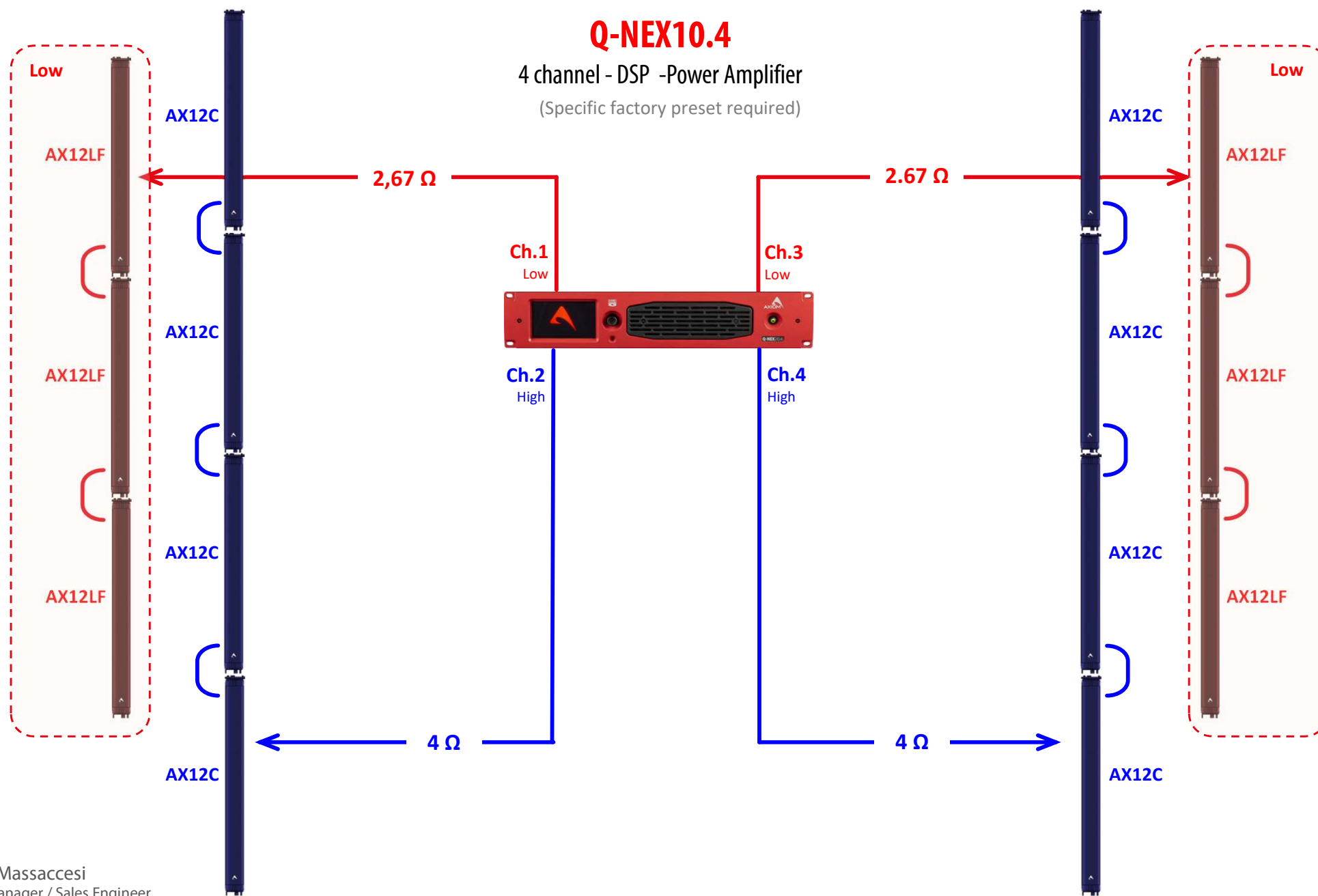
3 x AX12LF

over

4 x AX12C

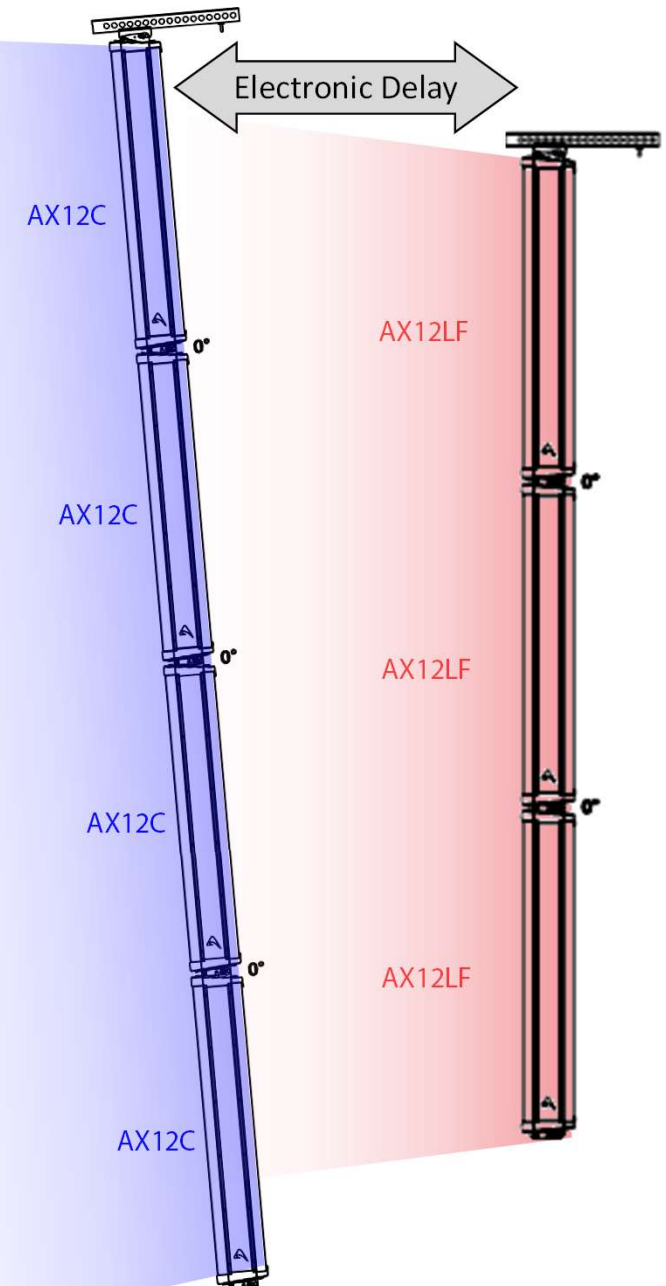
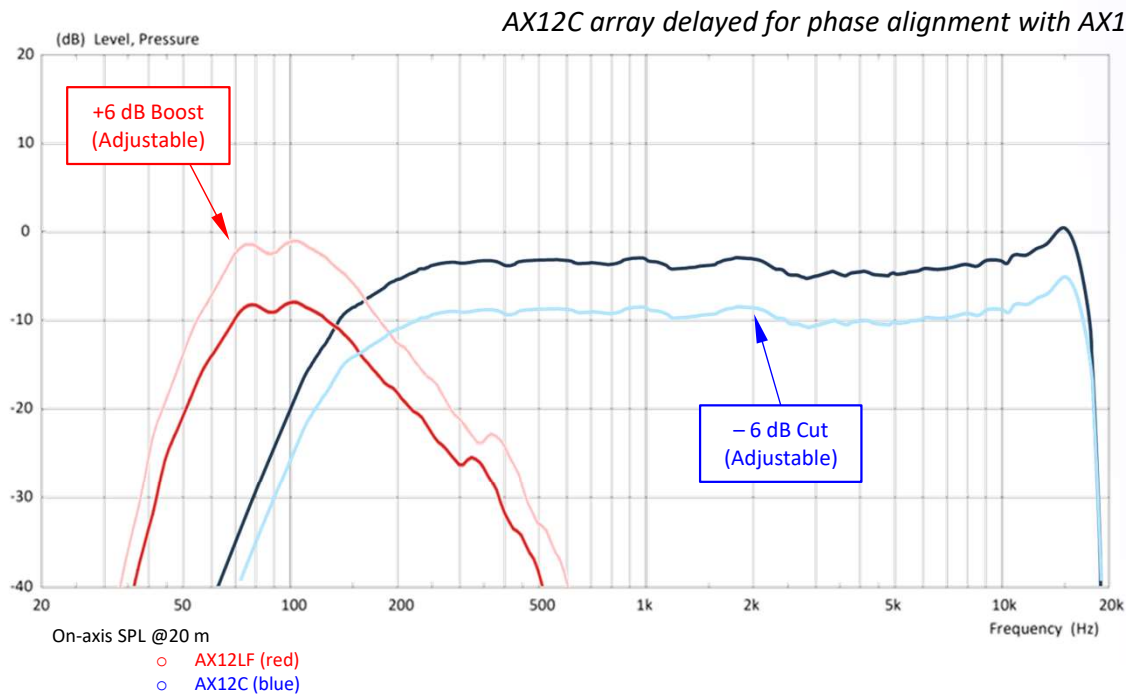


Frequency response and Q-NEX wiring diagrams in the following pages.



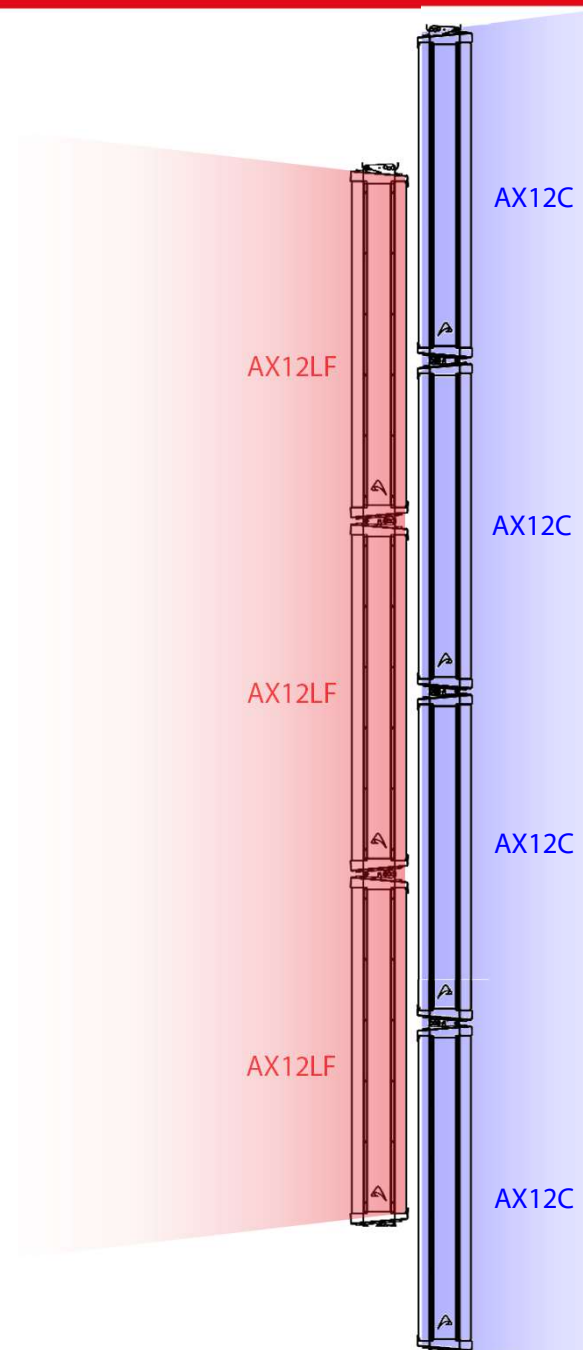
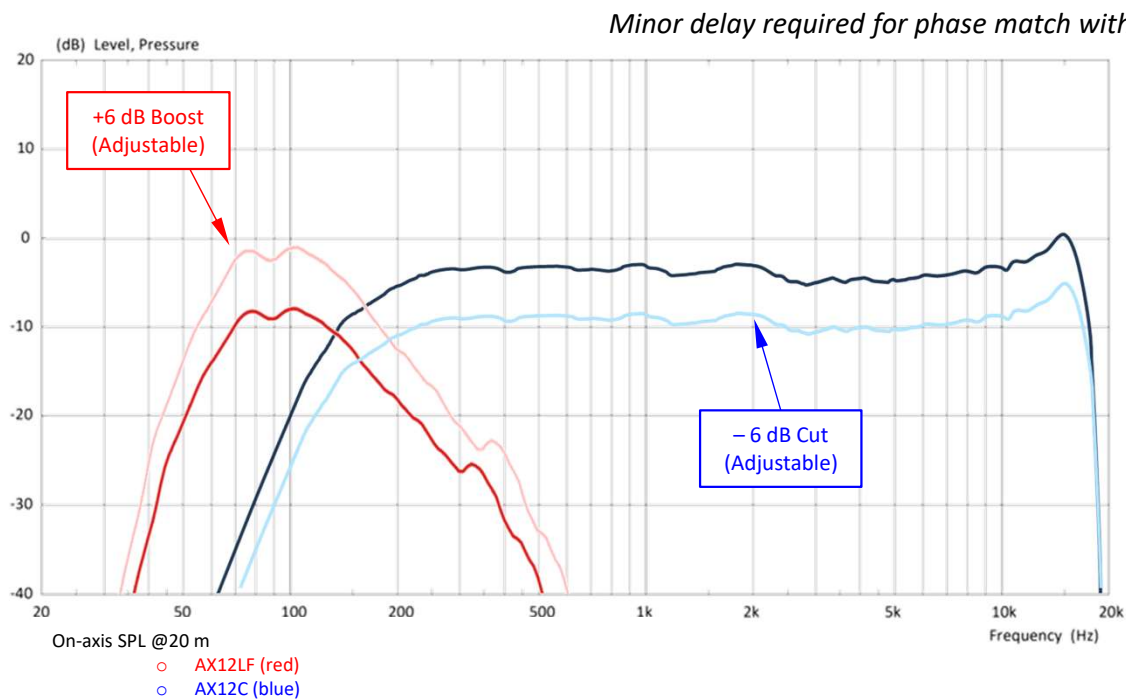
Flown dual-hang example:

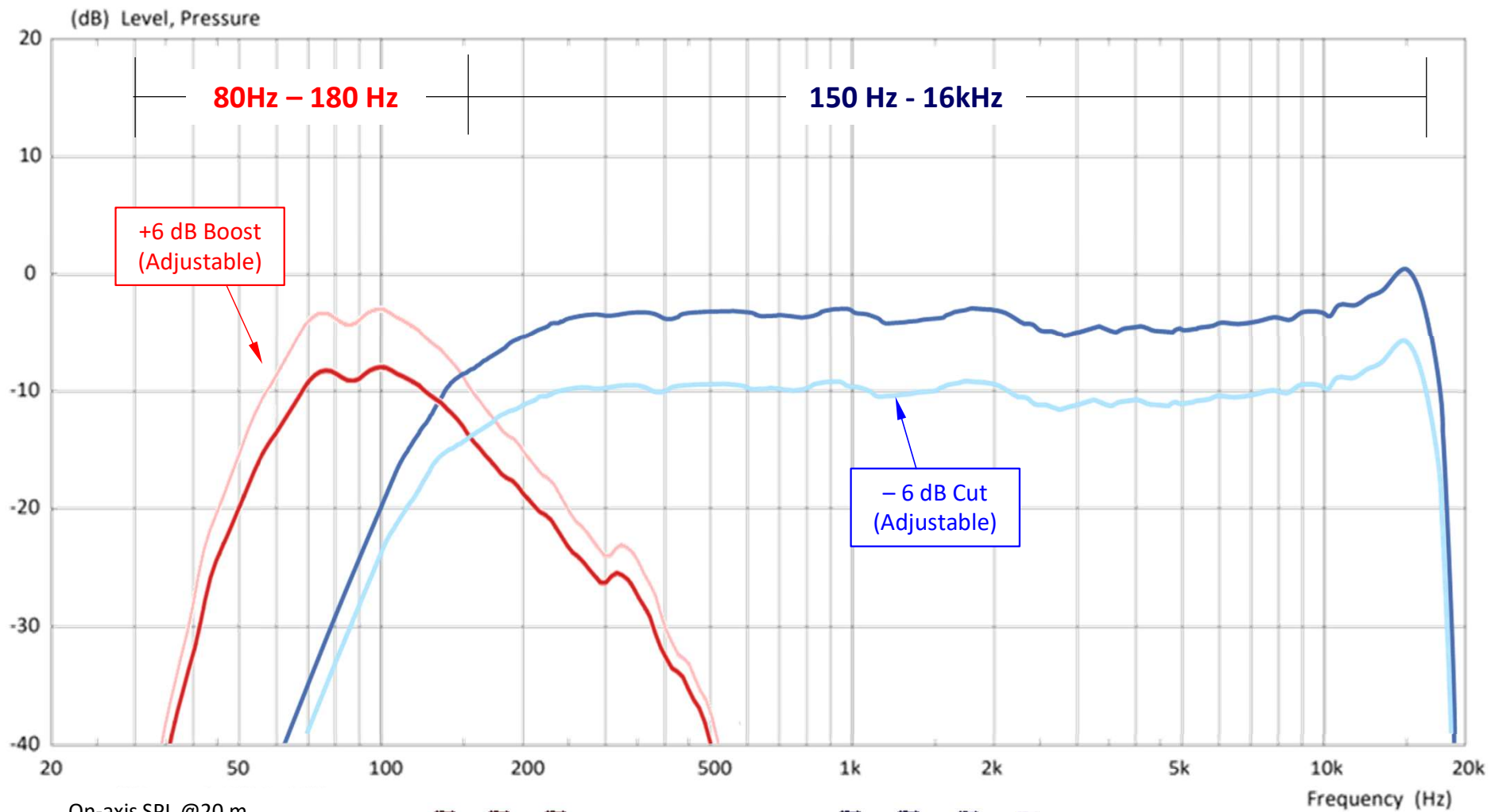
- 3 x AX12LF (back)
- 4 x AX12C



Dual flown or dual Wall-Mounted:

- 3 x AX12LF (back)
- 4 x AX12C





On-axis SPL @20 m

- AX12LF (red)
- AX12C (blue)

3 x AX12LF

4 x AX12C



Configuration Overview

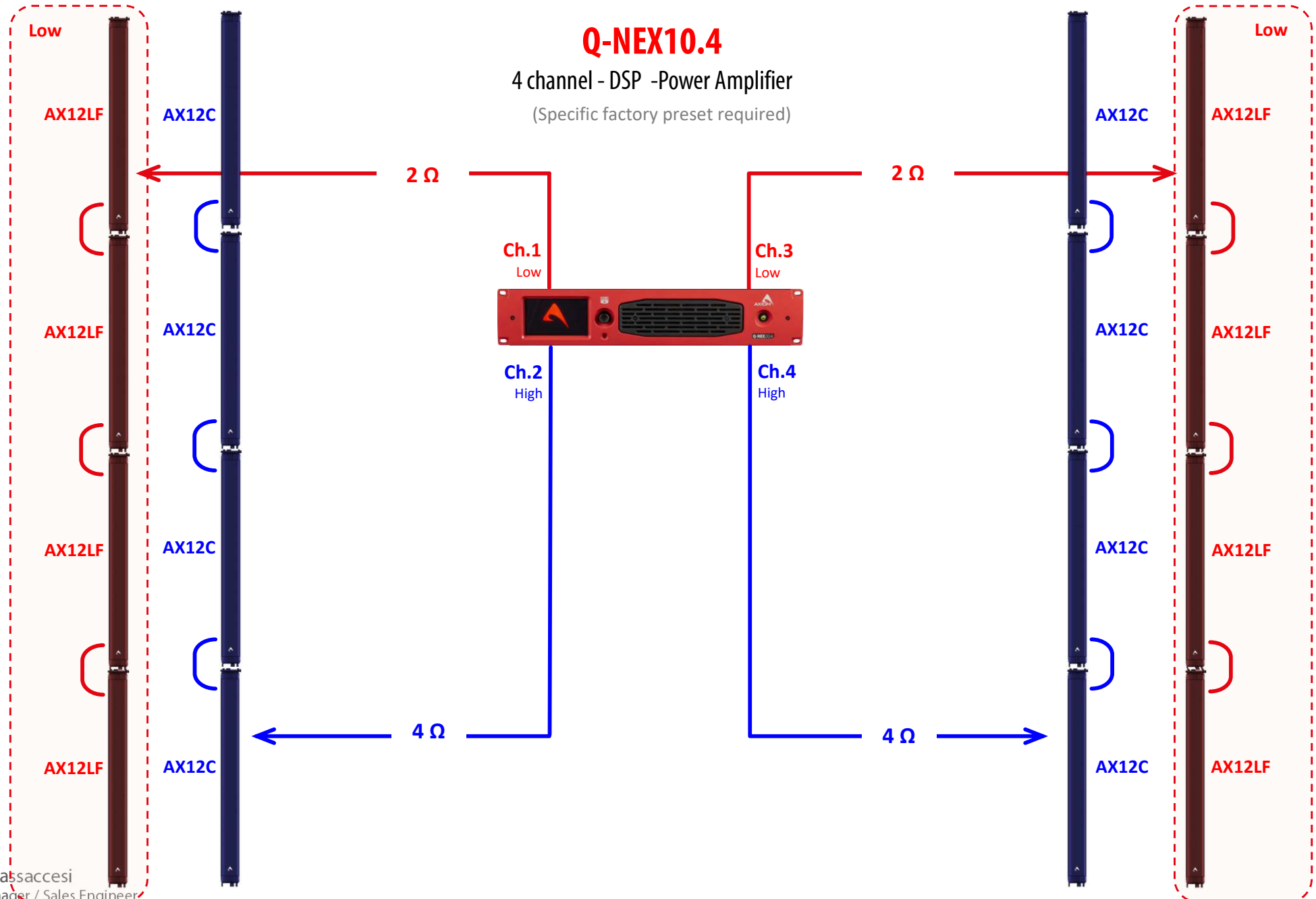
4 x AX12LF

over

4 x AX12C

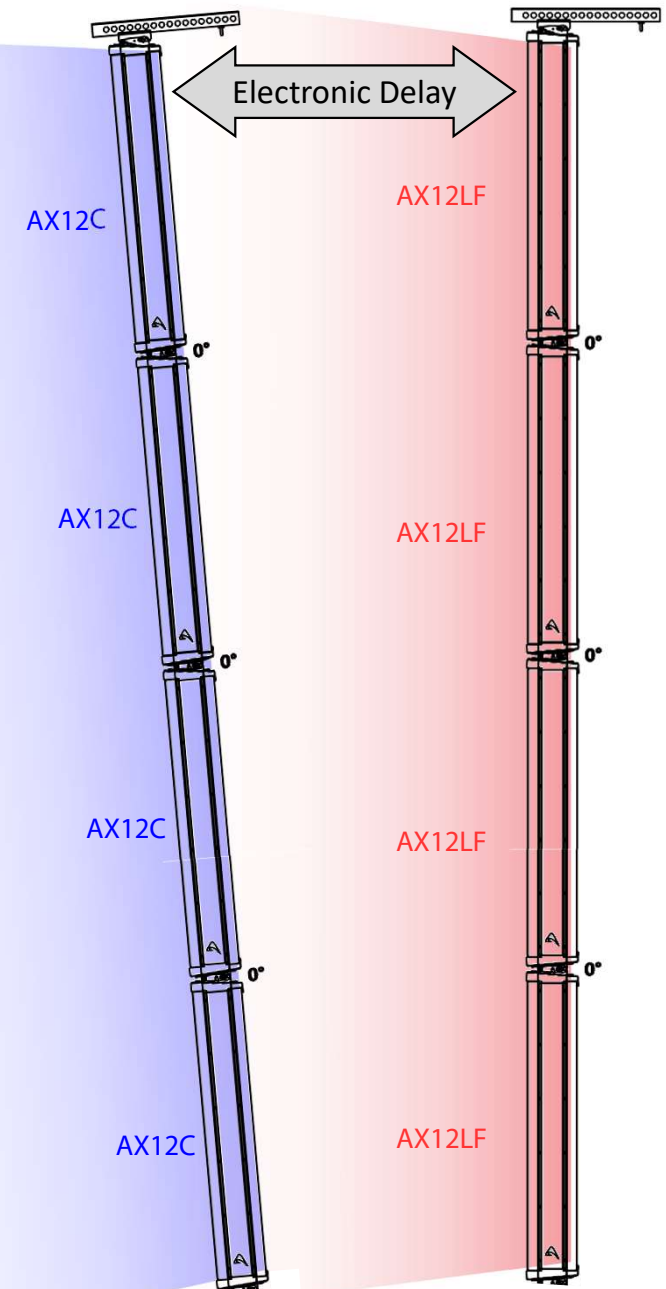
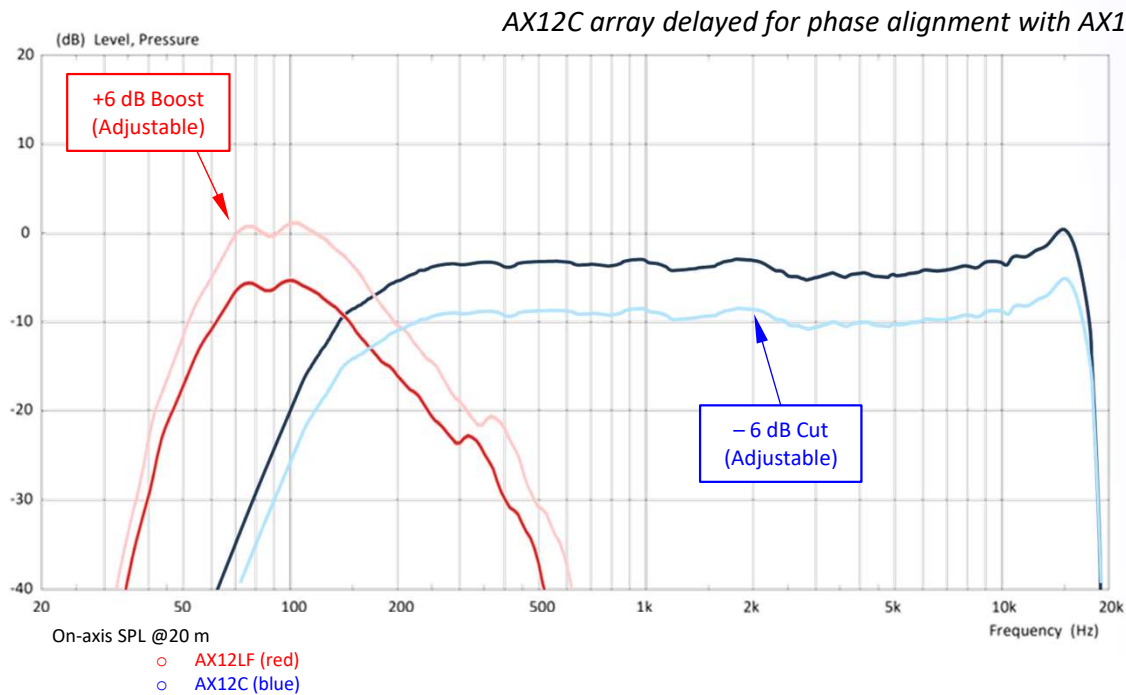


Frequency response and Q-NEX wiring diagrams in the following pages.



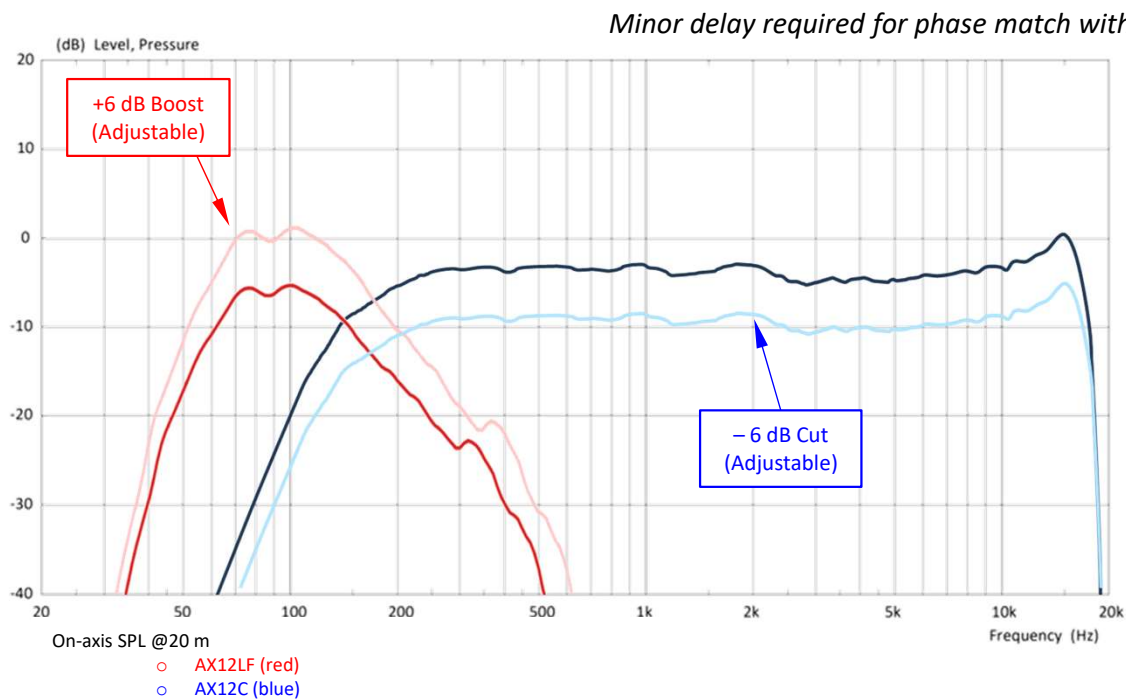
Flown dual-hang example:

- 4 x AX12LF (back)
- 4 x AX12C



Dual flown or dual Wall-Mounted:

- 4 x AX12LF (back)
- 4 x AX12C



AX12LF

AX12C

AX12LF

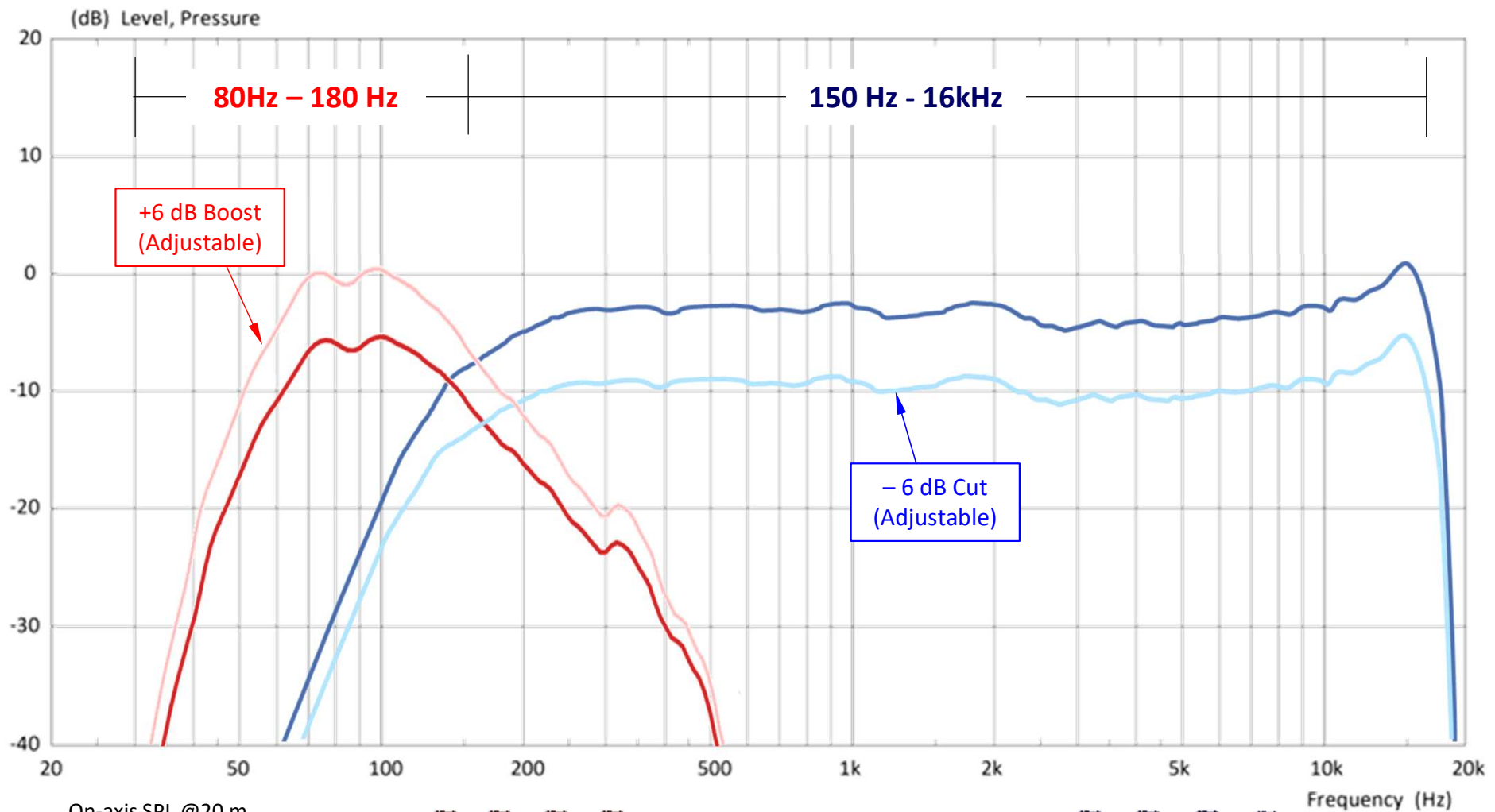
AX12C

AX12LF

AX12C

AX12LF

AX12C



On-axis SPL @20 m

- AX12LF (red)
- AX12C (blue)

4 x AX12LF

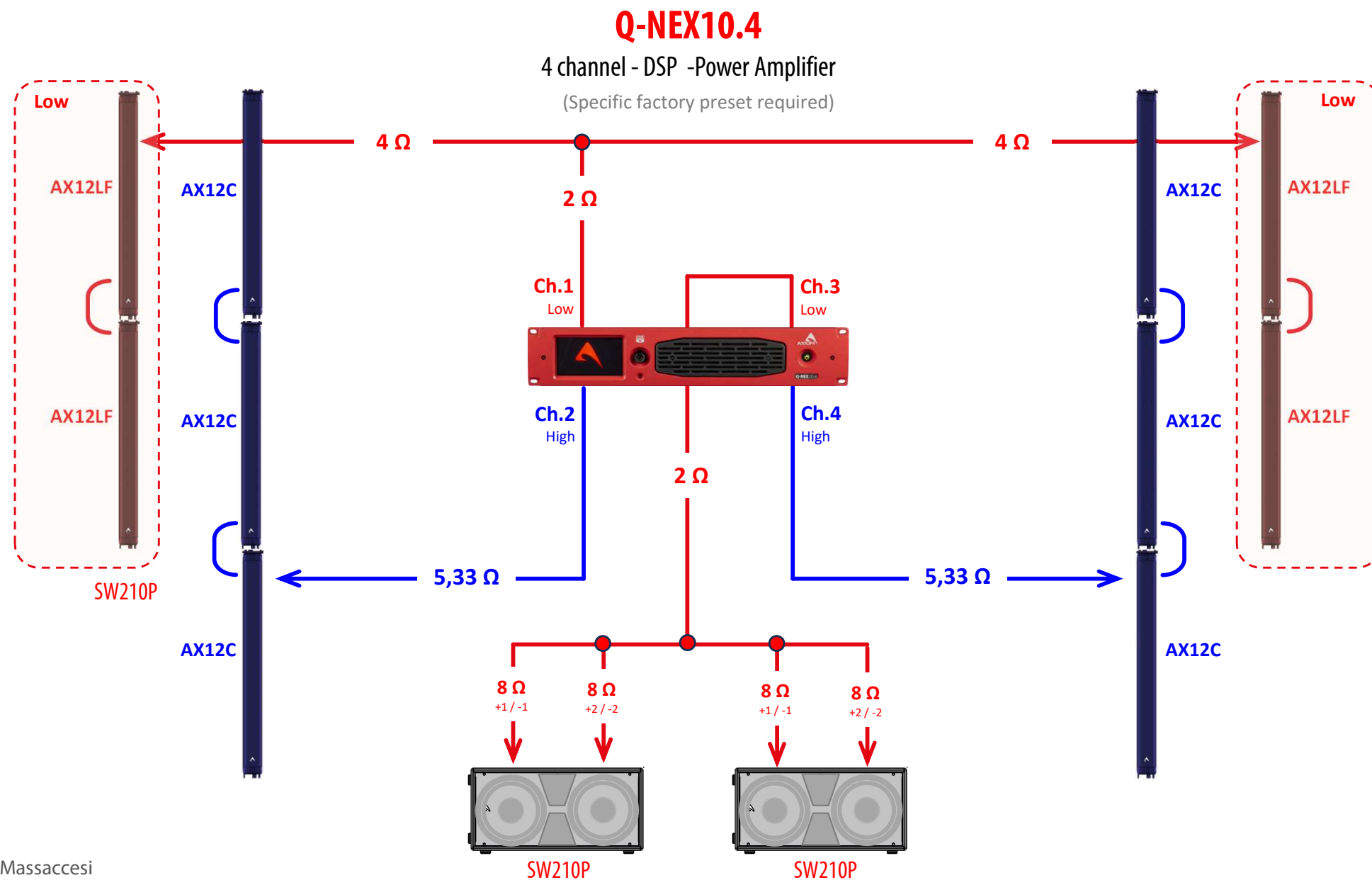
4 x AX12C

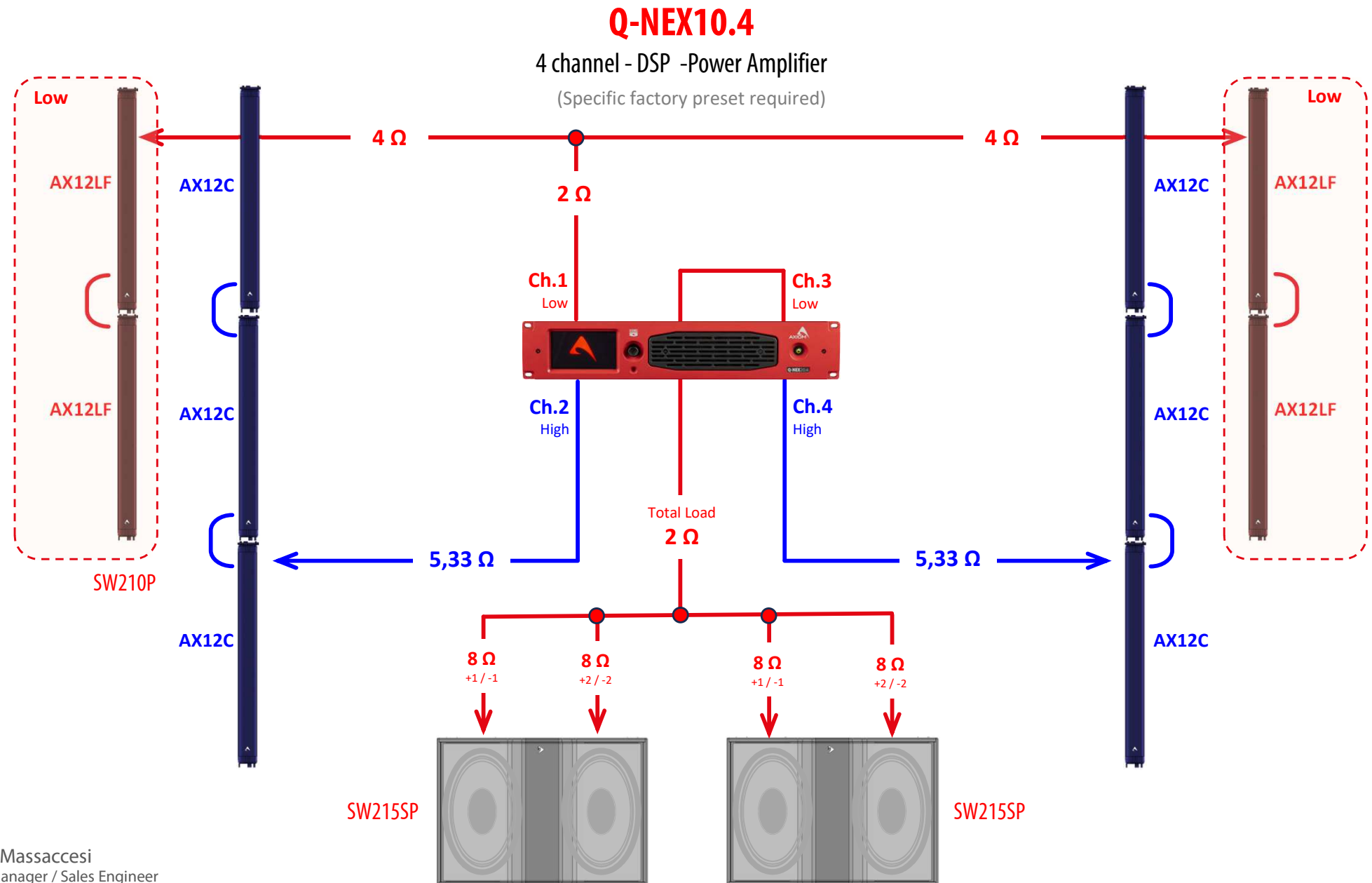


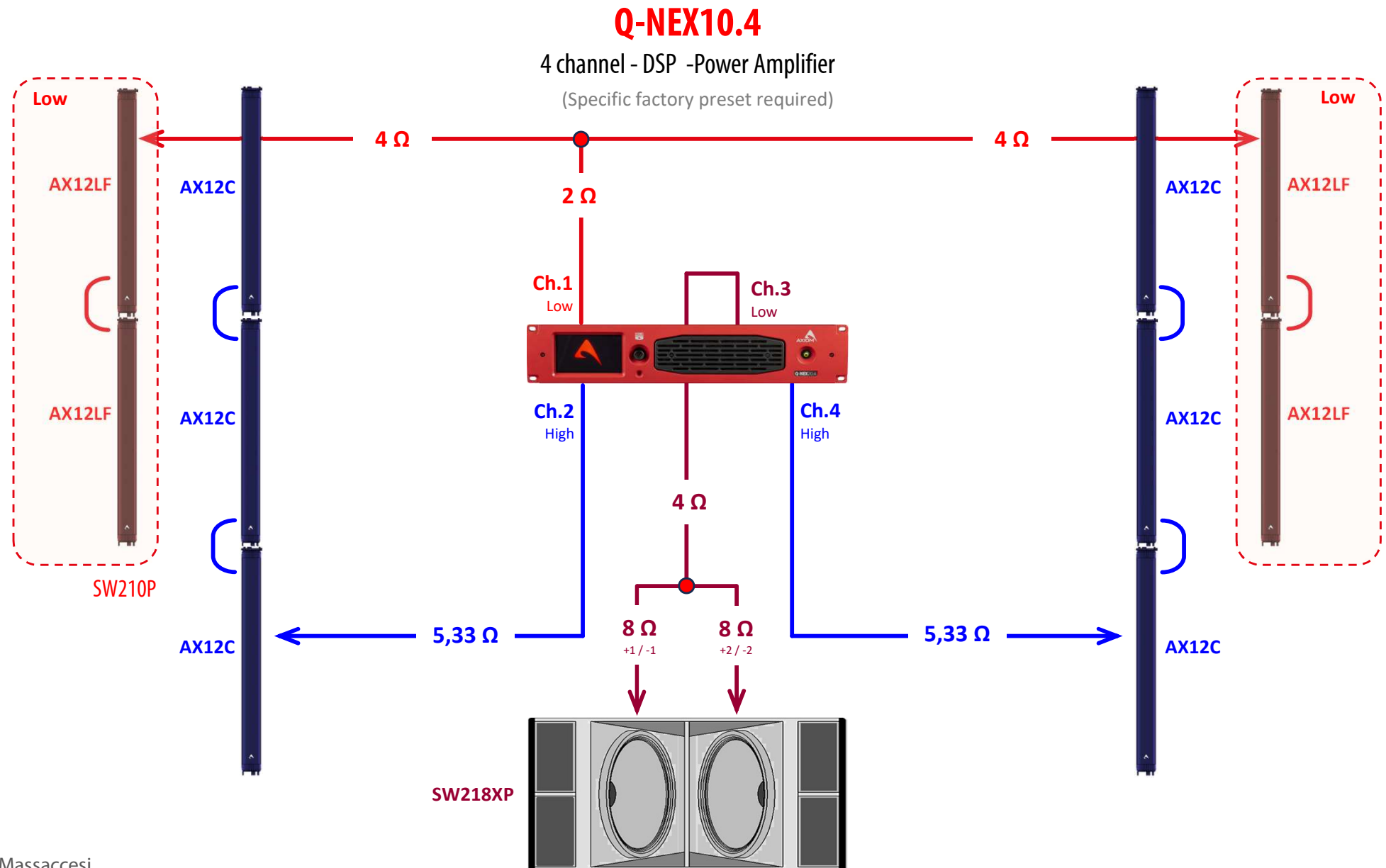
Subwoofer Integration

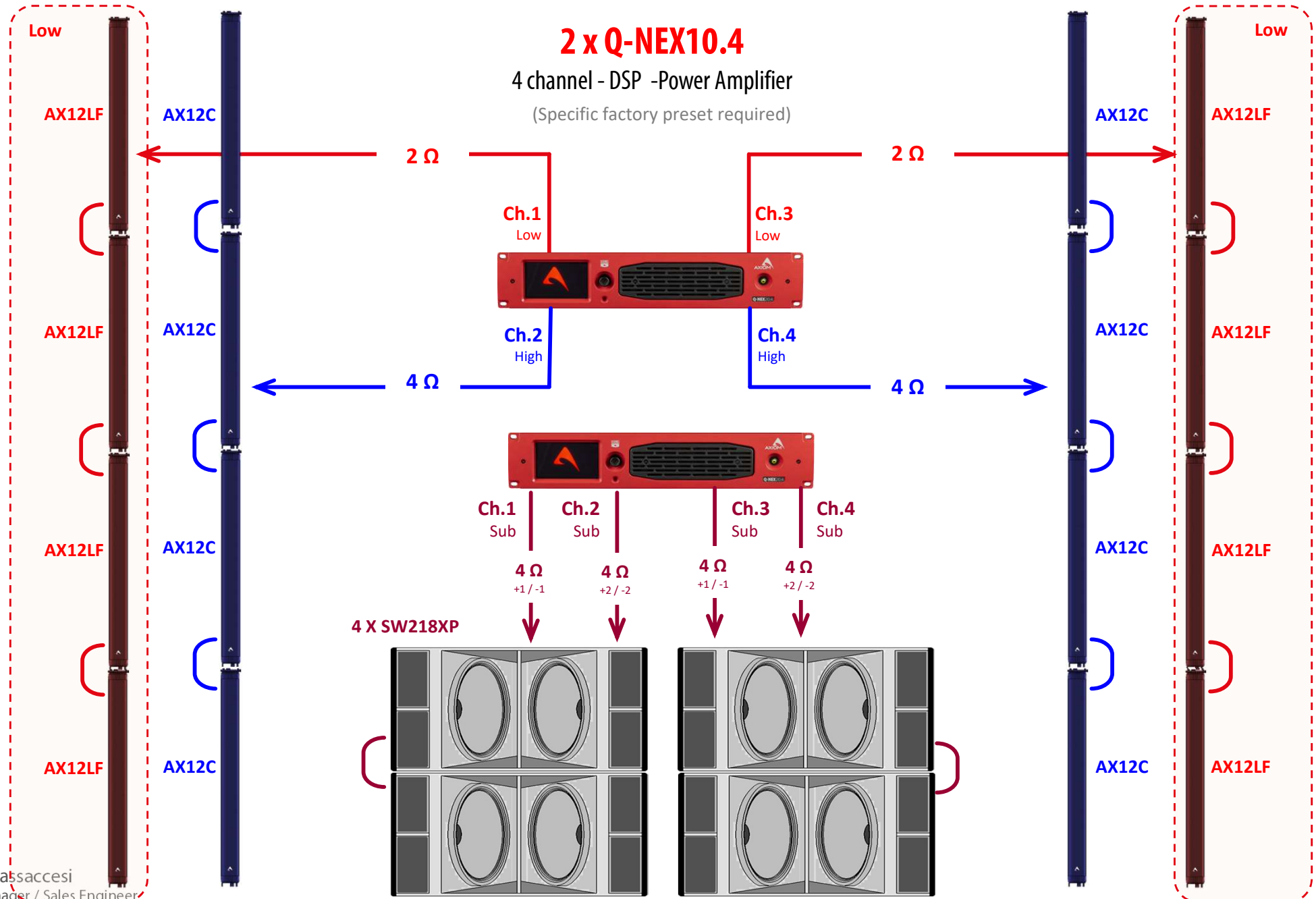
Extended low-frequency setups for AX12C & AX12LF systems











AX12C & AX12LF

Recommended Installation Accessories



KPTAX12C

Flying-Bar for up to six AX12C

KPTAX12C



adjustable single
Pickup point

For Rental companies
&
No Wall-mount installations

Optional



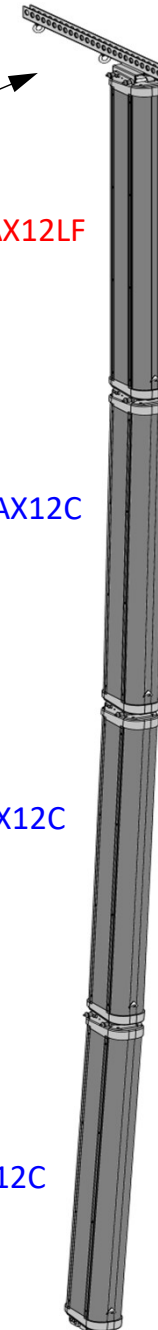
KPTAX12C

AX12LF

AX12C

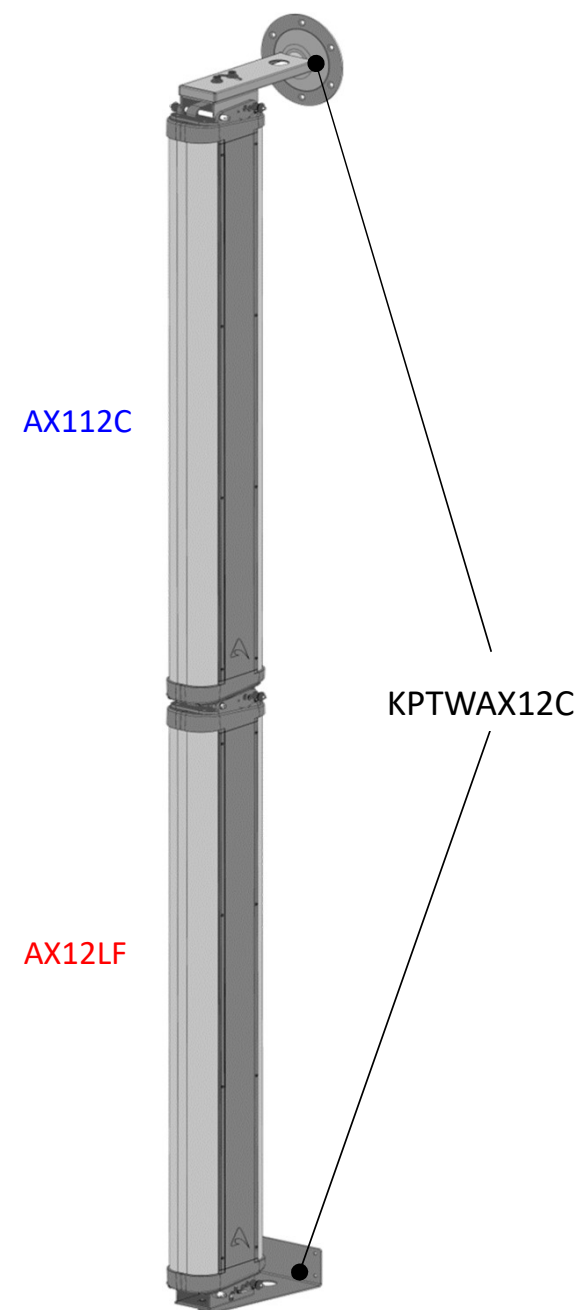
AX12C

AX12C



KPTWAX12C

Wall mount Bracket for installing **AX12C** / **AX12LF** / **AX6C**

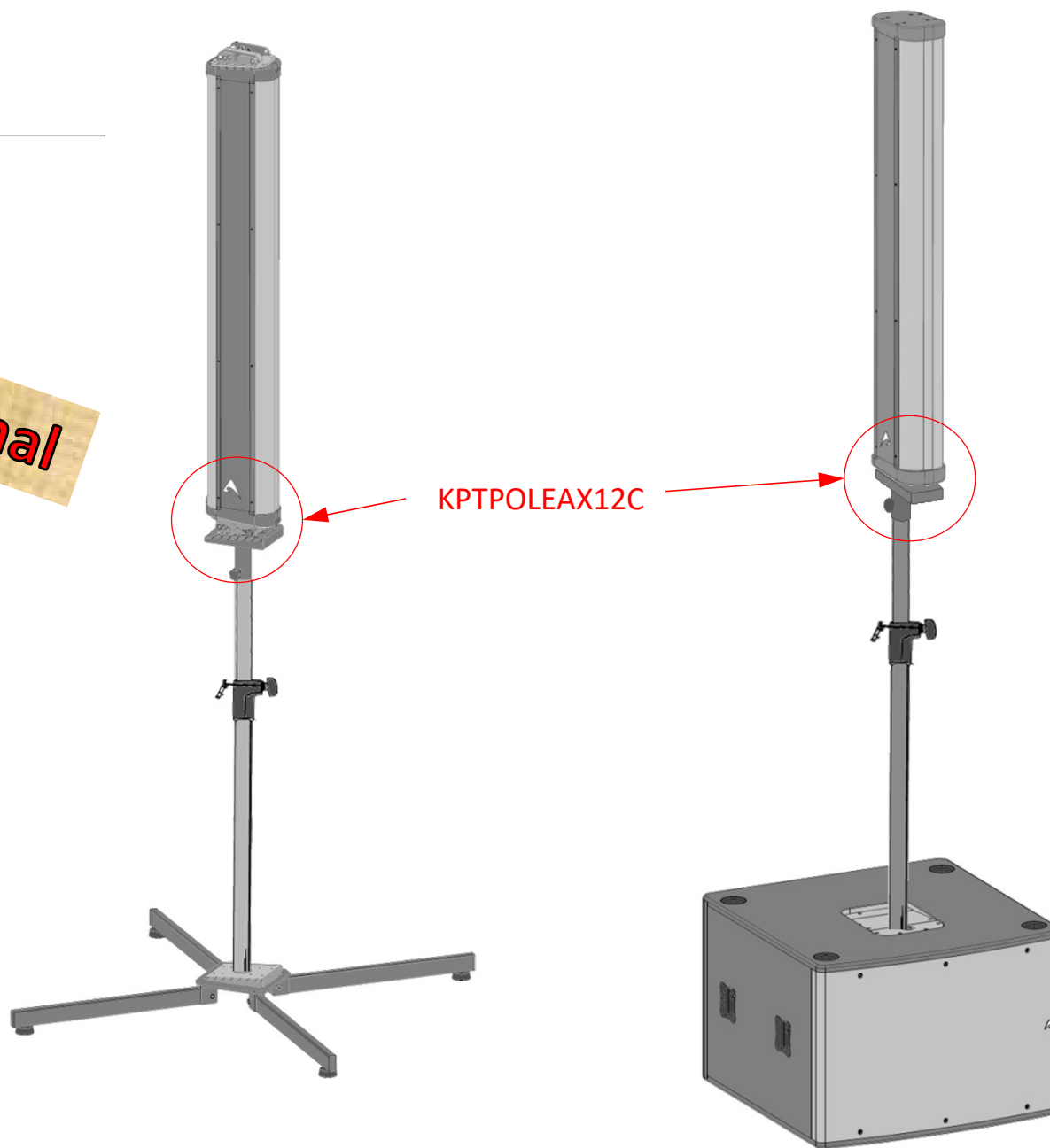
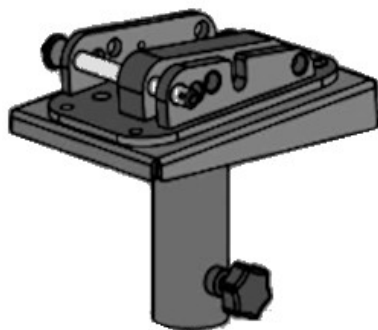


KPTPOLEAX12C

Pole adapter for AX12C

KPTPOLEAX12C

Optional

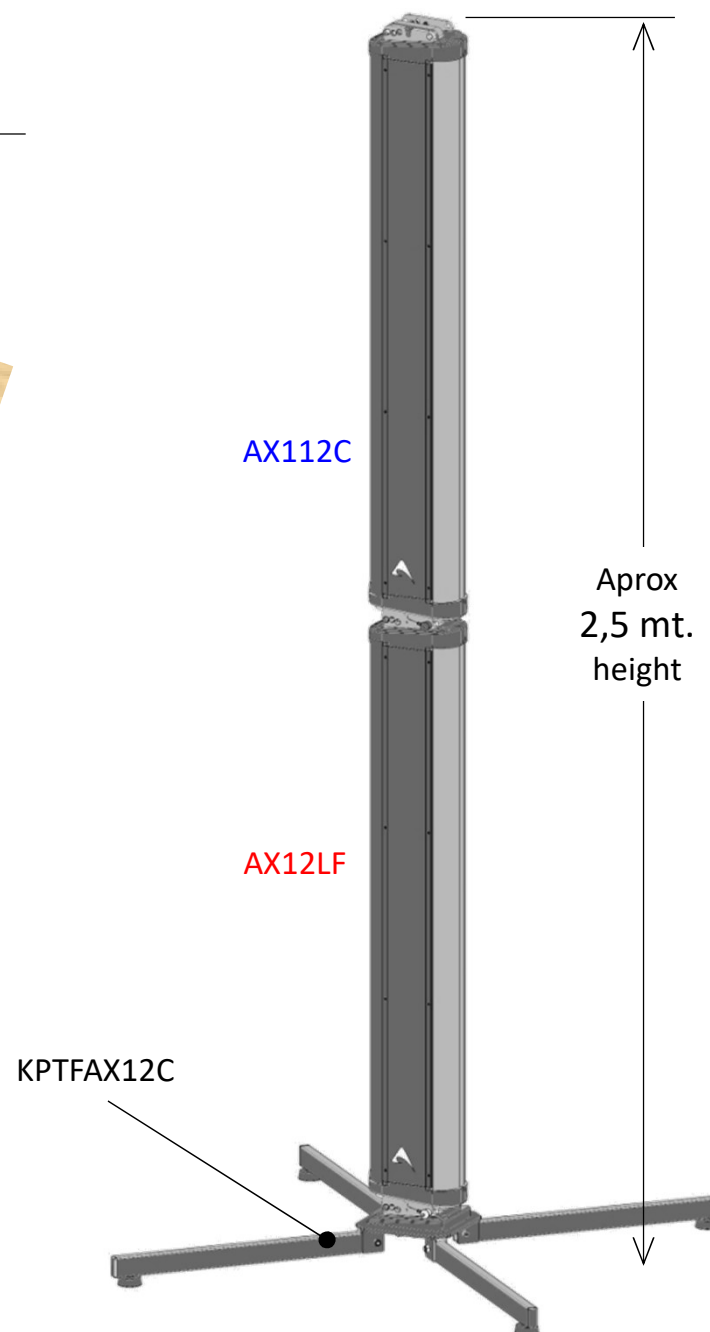


KPTFAX12C

Floor Stand for ground stacking of two AX12C



Useful in rooms featuring low height ceilings



KPTFAXC (pair)

Floor Stands in solid compressed foam for AX12C / AX12LF / AX6C

