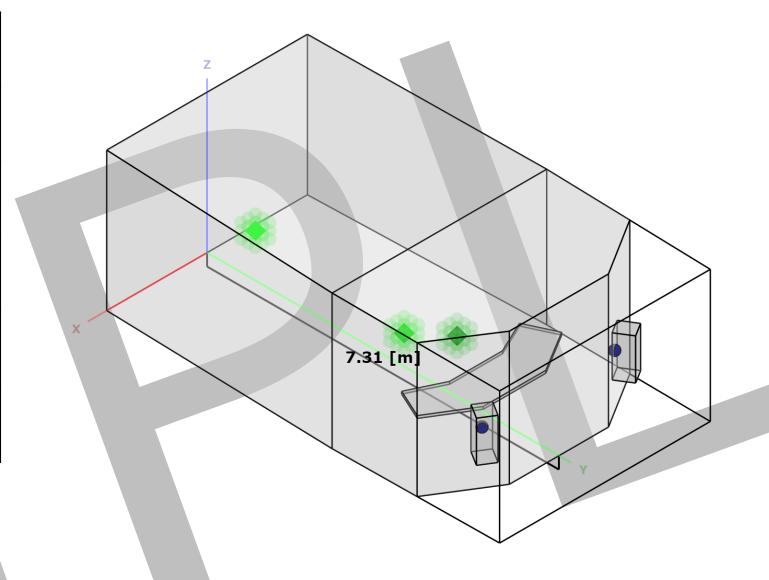
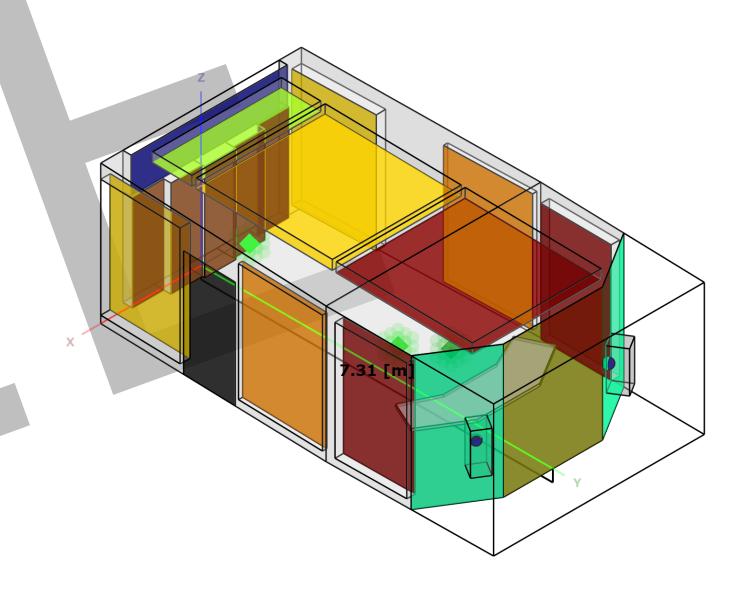
Sample Room

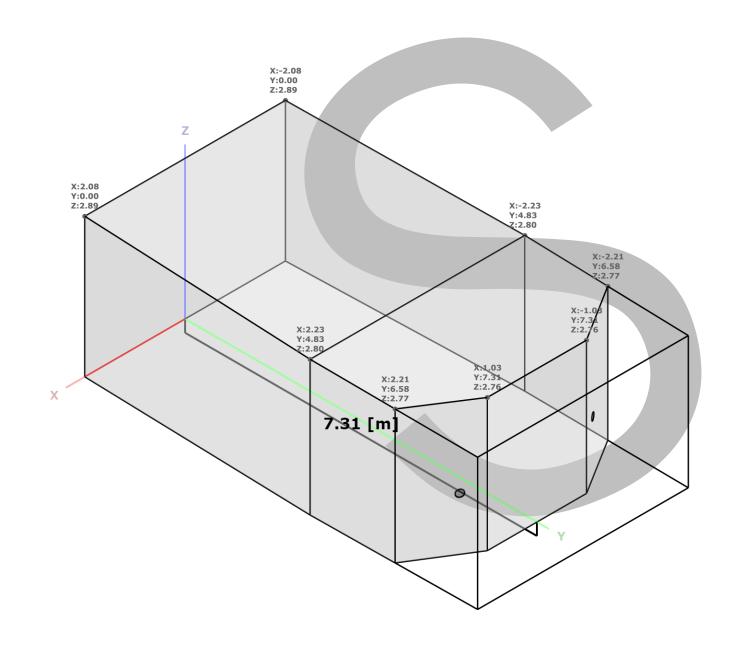
NIRO Report – Geometry, Positions & Treatments

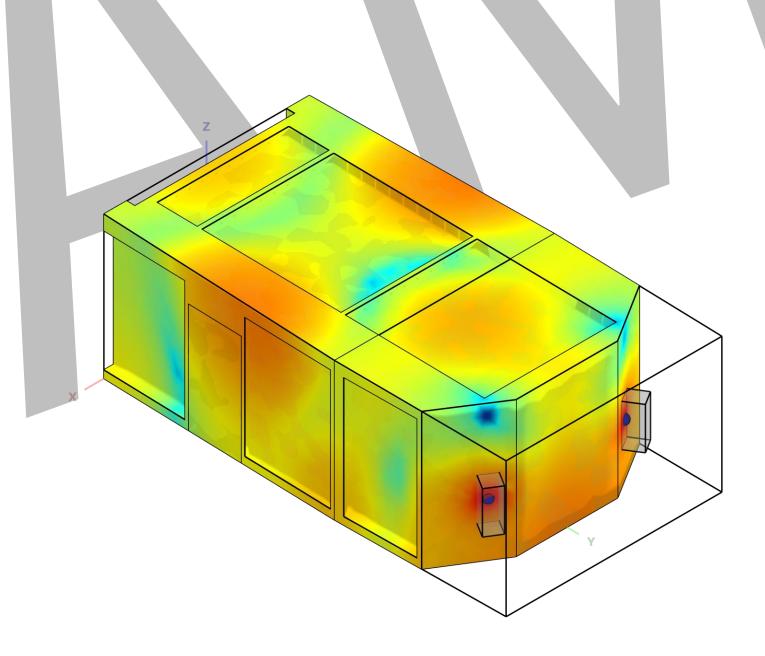
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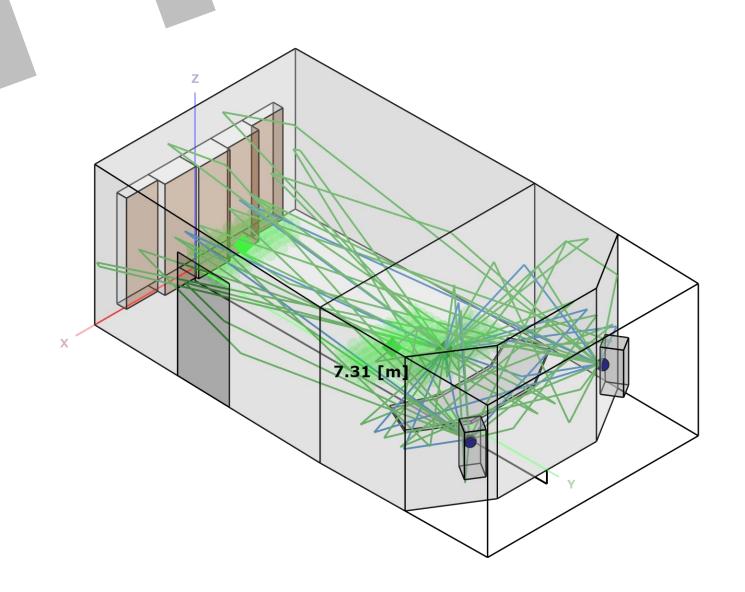
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Low-frequency Response	<u>6</u>
Temporal Decay	<u>Z</u>
Pressure Distribution	9

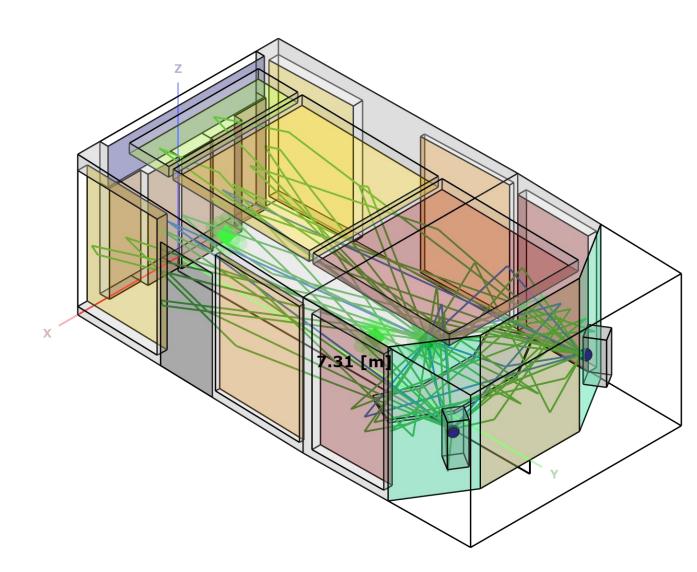










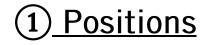


Listening positions:

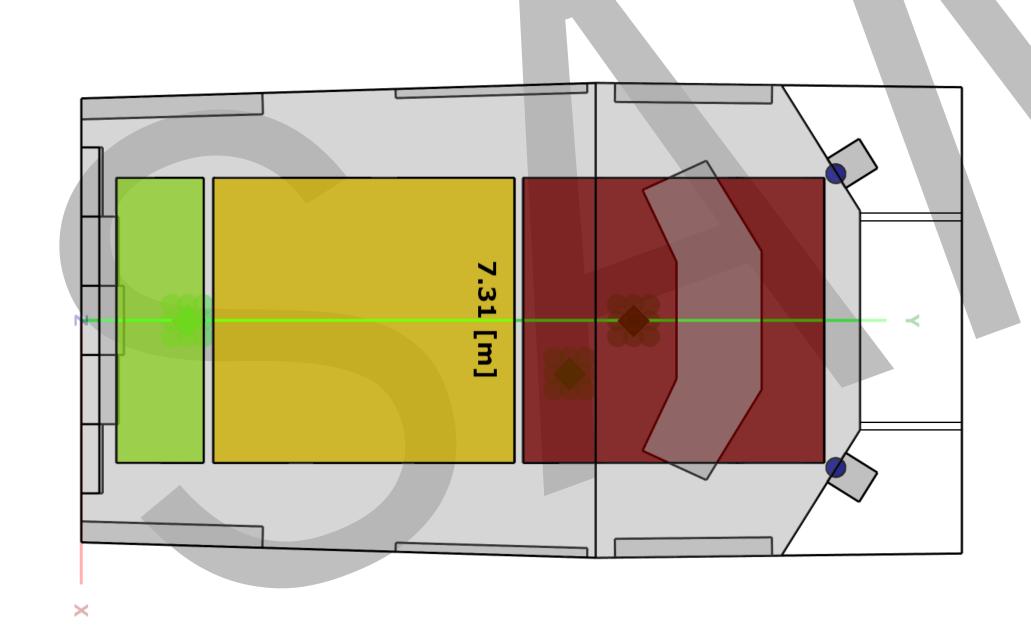
- Mix 1 Pos.: X: x.xx, Y: x.xx, Z: x.xx [m]
- Mix 2 Pos.: X: x.xx, Y: x.xx, Z: x.xx [m]
- Producer Pos.: X: x.xx, Y: x.xx, Z: x.xx [m]

Loudspeaker positions:

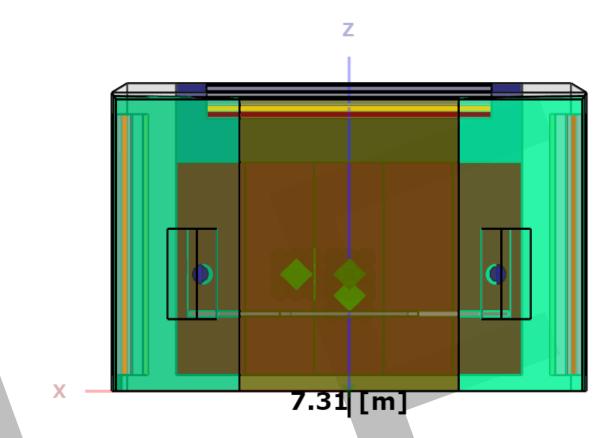
• Mains: X: ± x.xx, Y: x.xx, Z: x.xx [m] | Polarity: (+, +)



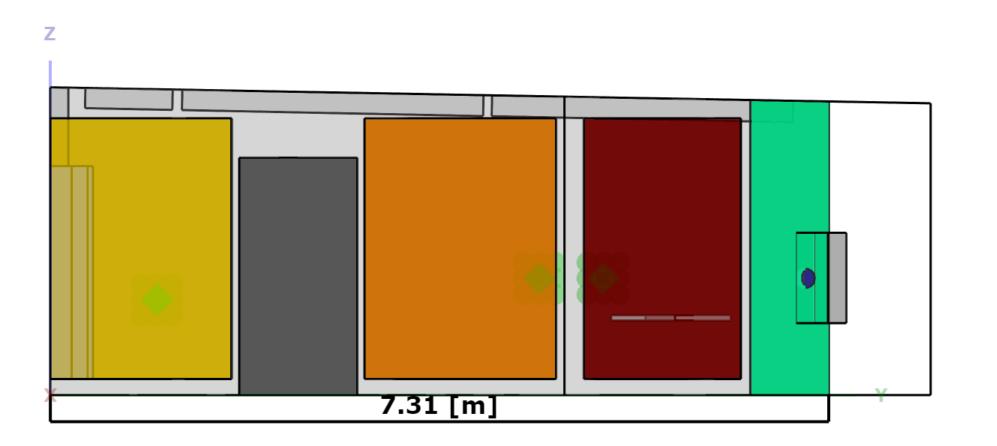
Listener and speaker positions



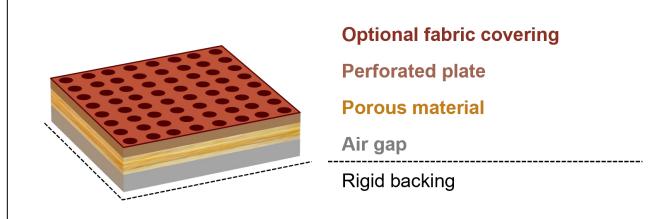
3 Floorplan View



2 Front View



4 Section View



Finished face of treatment: XXX

Plate thickness (plywood): x.xx [mm] | x.xx"

Hole diameter/spacing: x.xx [mm] holes spaced x.xx [mm]

on-center

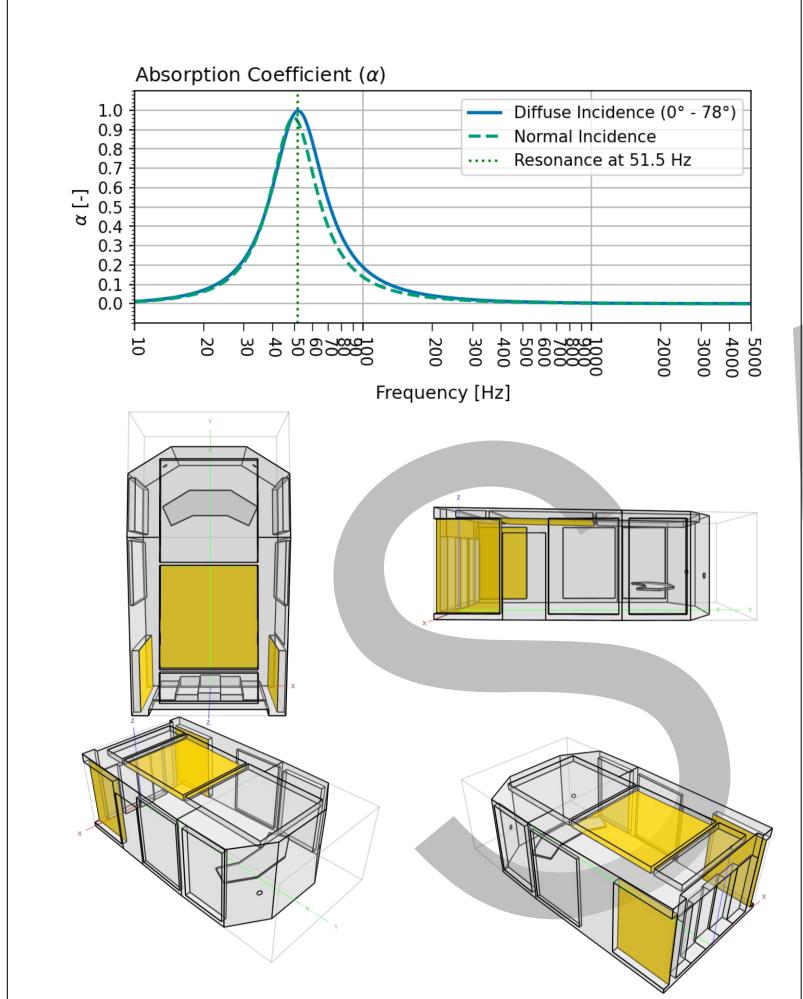
Porous material type and thickness: XXX - x.xx [mm]

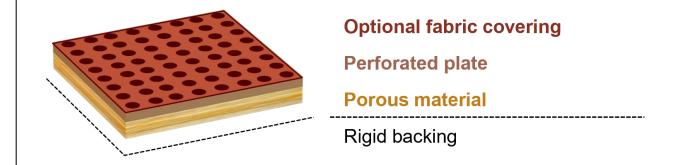
Flow resistivity of porous material: x.xx [rayls/m]

Air gap depth: x.xx [mm]

Total treatment depth: x.xx [mm]'

Surface Area: x.xx [m²]





Finished face of treatment: XXX

Plate thickness (plywood): x.xx [mm] | x.xx"

Hole diameter/spacing: x.xx [mm] holes spaced x.xx [mm]

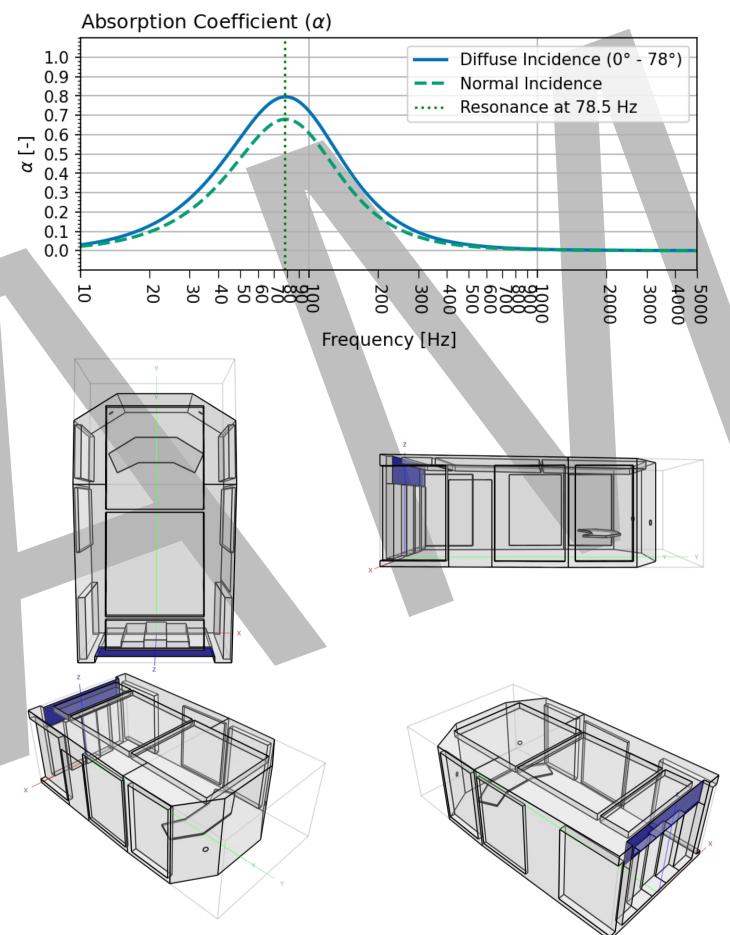
on-center

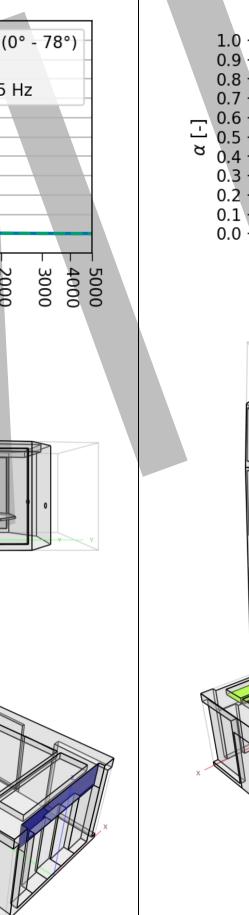
Porous material type and thickness: XXX - x.xx [mm]

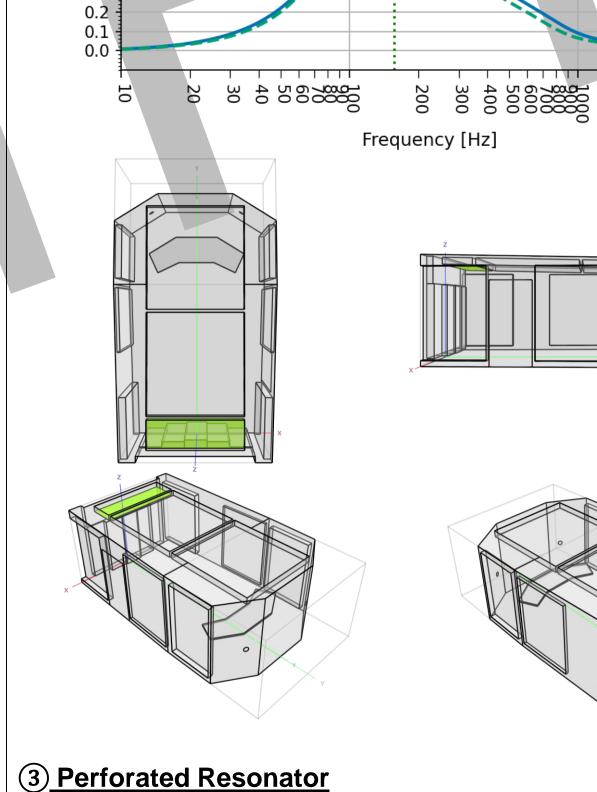
Flow resistivity of porous material: x.xx [rayls/m]

Total treatment depth: x.xx [mm]'

Surface Area: x.xx [m²]







Optional fabric covering

Perforated plate

Porous material

Air gap

Finished face of treatment: XXX

Total treatment depth: x.xx [mm]'

Absorption Coefficient (α)

Air gap depth: x.xx [mm]

Surface Area: x.xx [m²]

on-center

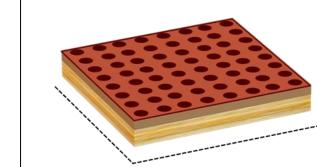
Plate thickness (plywood): x.xx [mm] | x.xx"

Rigid backing

Hole diameter/spacing: x.xx [mm] holes spaced x.xx [mm]

Porous material type and thickness: XXX - x.xx [mm]

Flow resistivity of porous material: x.xx [rayls/m]



Optional fabric covering
Perforated plate
Porous material

Finished face of treatment: XXX

Plate thickness (plywood): x.xx [mm] | x.xx"

Hole diameter/spacing: x.xx [mm] holes spaced x.xx [mm]

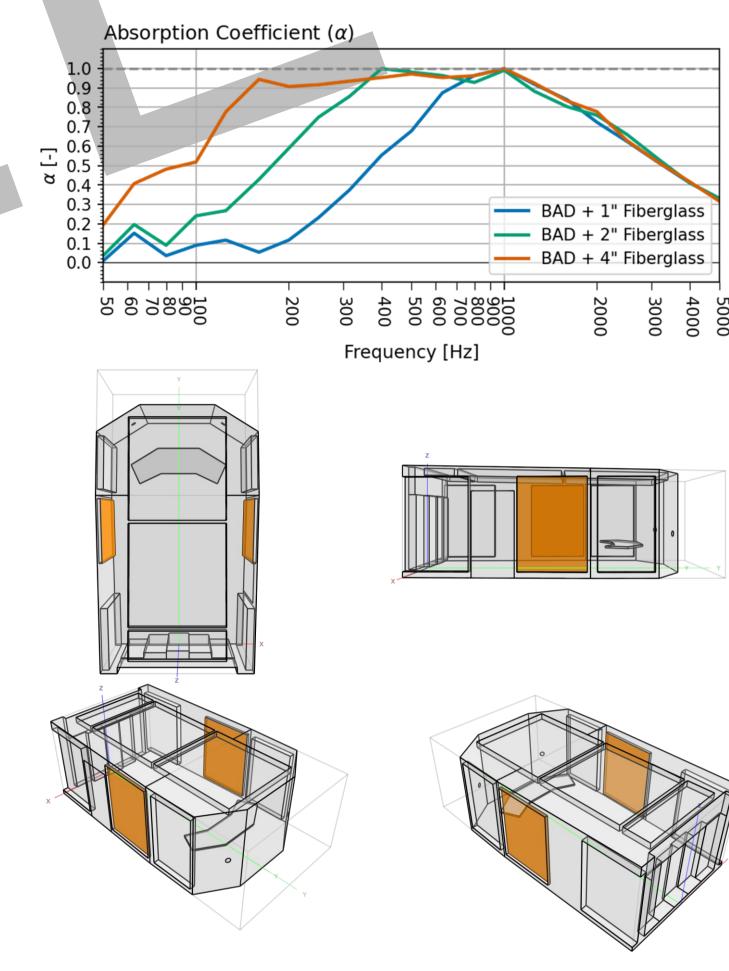
Rigid backing

on-center

Porous material type and thickness: XXX - x.xx [mm]

Flow resistivity of porous material: x.xx [rayls/m]

Total treatment depth: x.xx [mm]'
Surface Area: x.xx [m²]





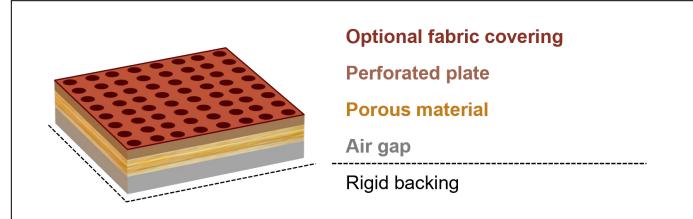
Diffuse Incidence (0° - 78°)

Resonance at 156.0 Hz

Normal Incidence



1 Perforated Resonator



Finished face of treatment: XXX

Plate thickness (plywood): x.xx [mm] | x.xx"

Hole diameter/spacing: x.xx [mm] holes spaced x.xx [mm]

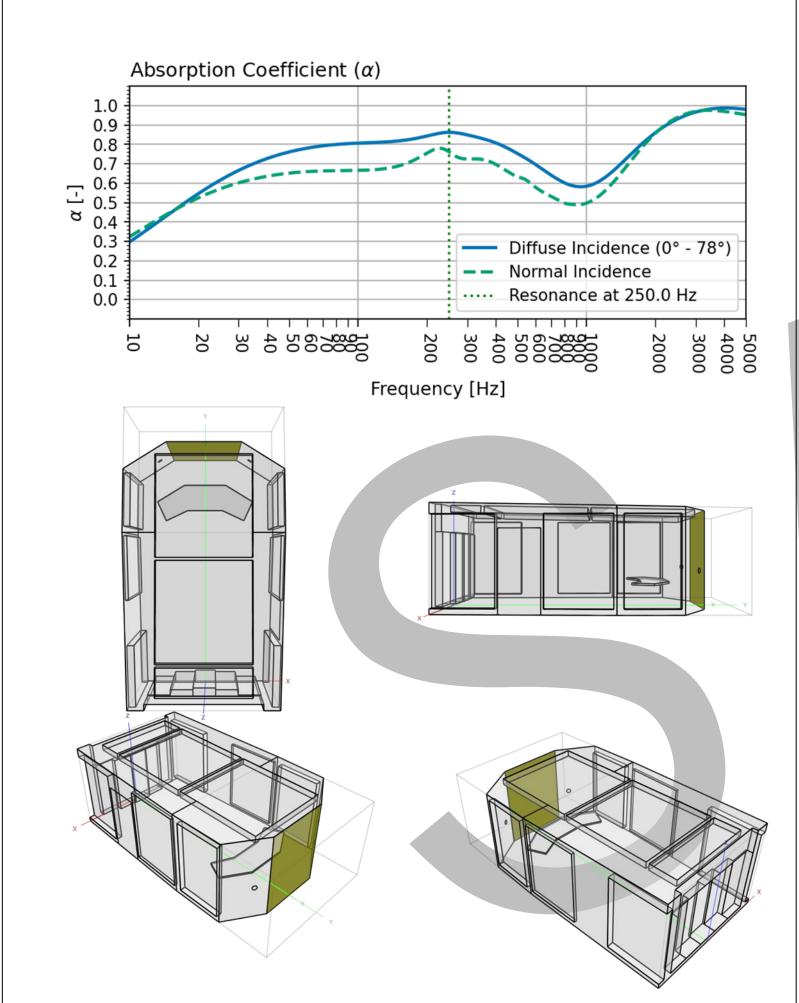
on-center

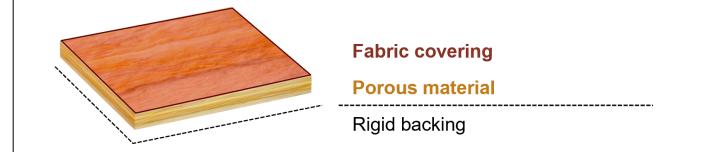
Porous material type and thickness: XXX - x.xx [mm] Flow resistivity of porous material: x.xx [rayls/m]

Air gap depth: x.xx [mm]

Total treatment depth: x.xx [mm]'

Surface Area: x.xx [m²]





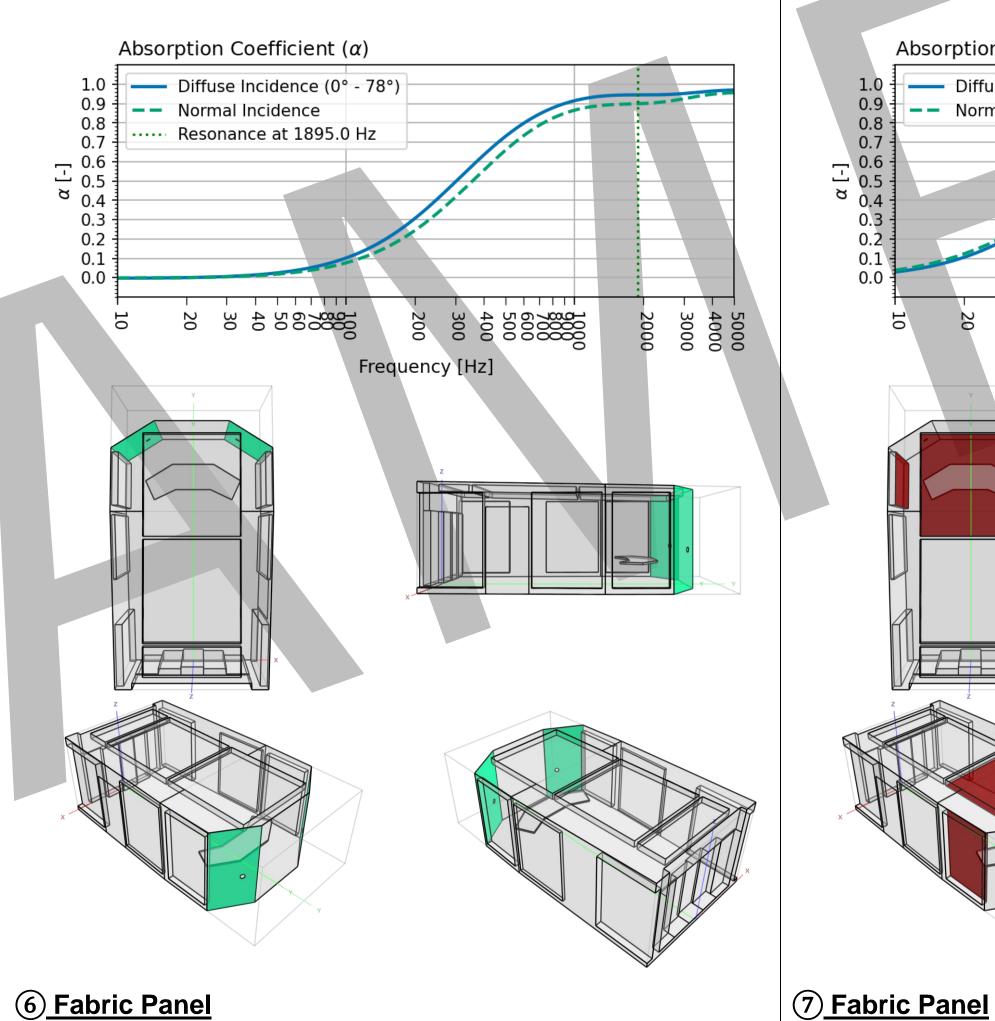
Finished face of treatment: XXX

Porous material type and thickness: XXX - x.xx [mm]

Flow resistivity of porous material: x.xx [rayls/m]

Total treatment depth: x.xx [mm]'

Surface Area: x.xx [m²]





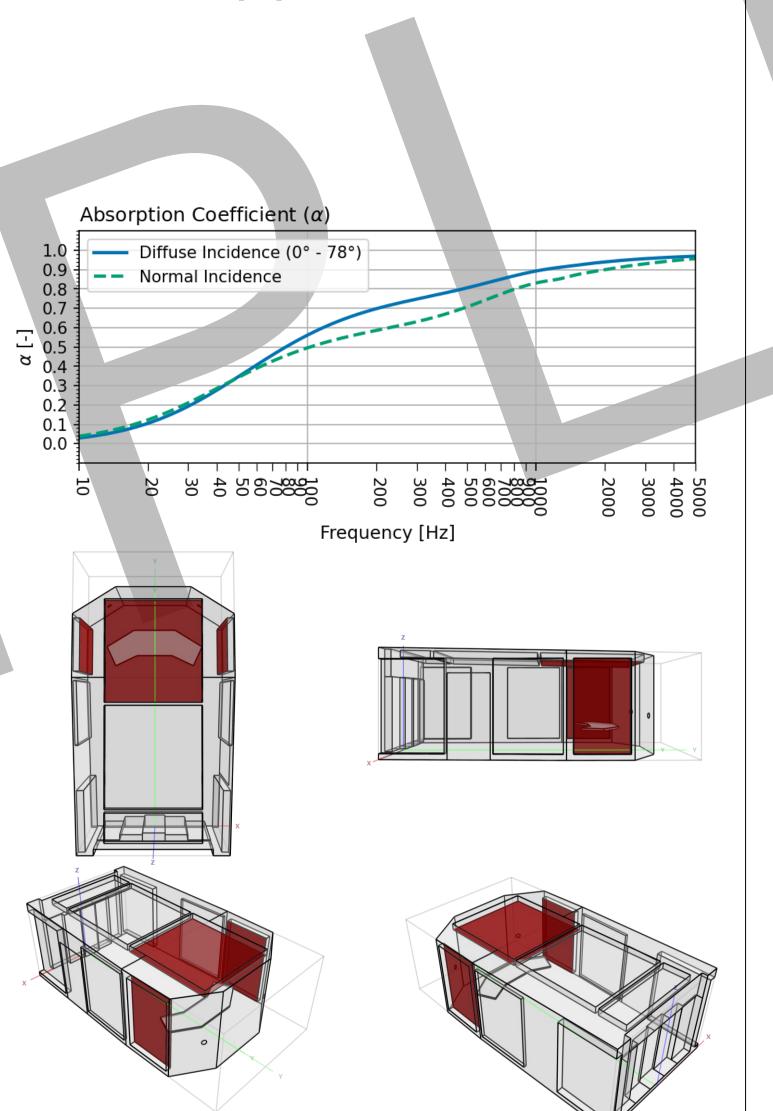
Finished face of treatment: XXX

Porous material type and thickness: XXX - x.xx [mm] Flow resistivity of porous material: x.xx [rayls/m]

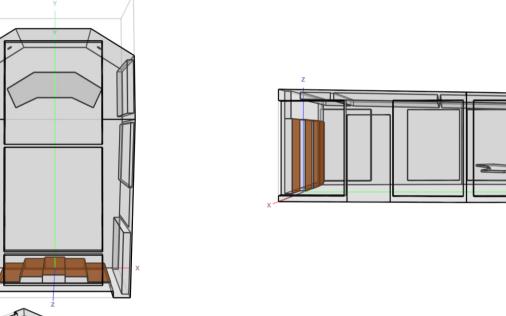
Air gap depth: x.xx [mm]

Total treatment depth: x.xx [mm]'

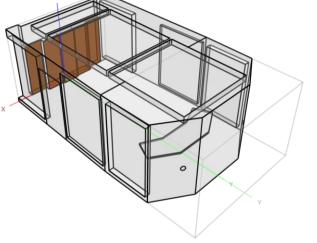
Surface Area: x.xx [m²]

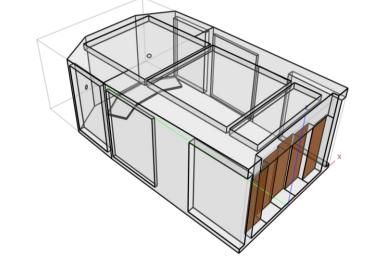


Model: **Units: Total width:** Height: Depth: Random Incidence Performance Data · · · Absorption Scattering 0.6



Frequency Bands [Hz]

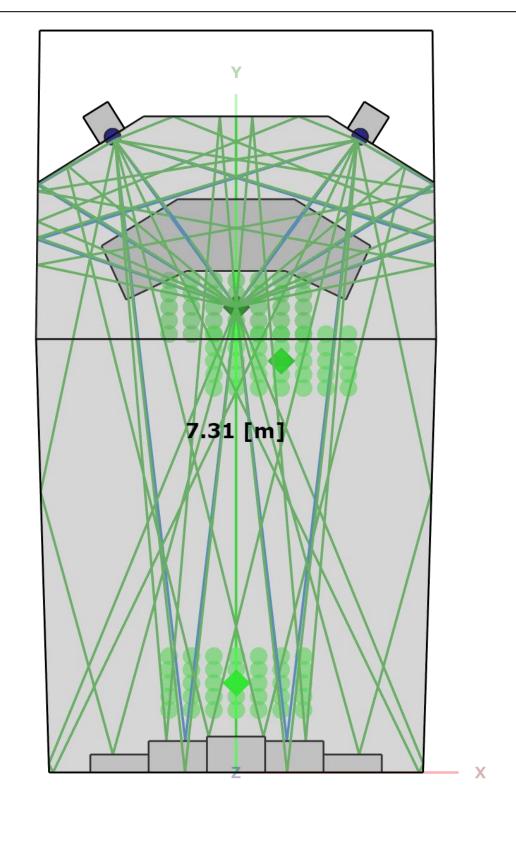


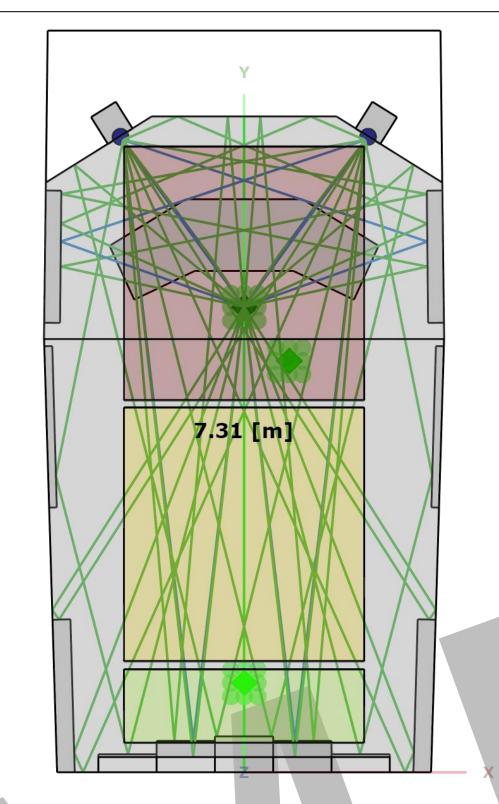


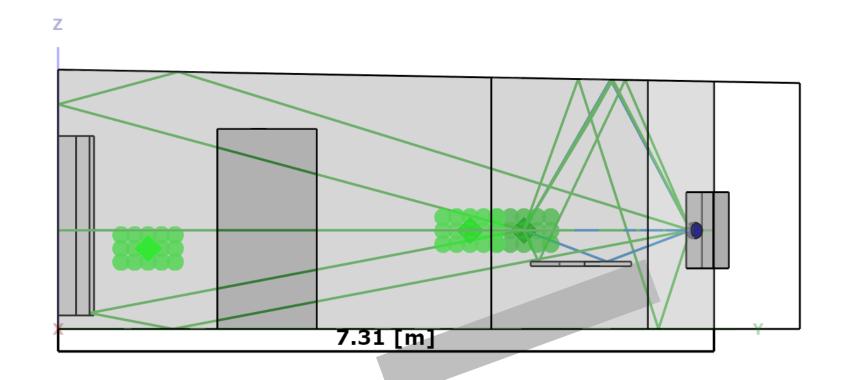
8 Diffusor

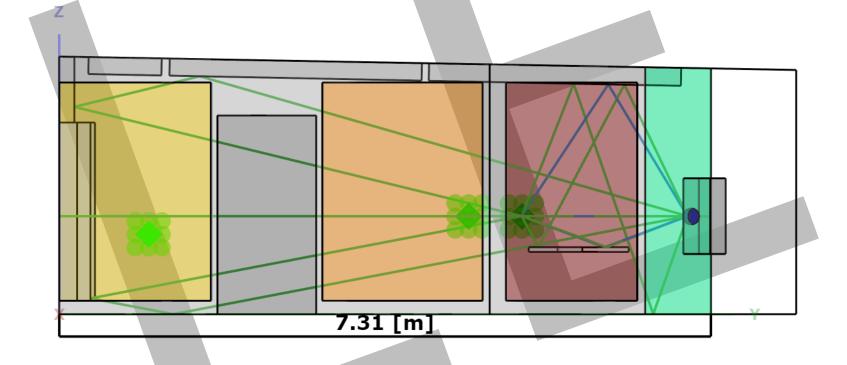


5 Perforated Resonator

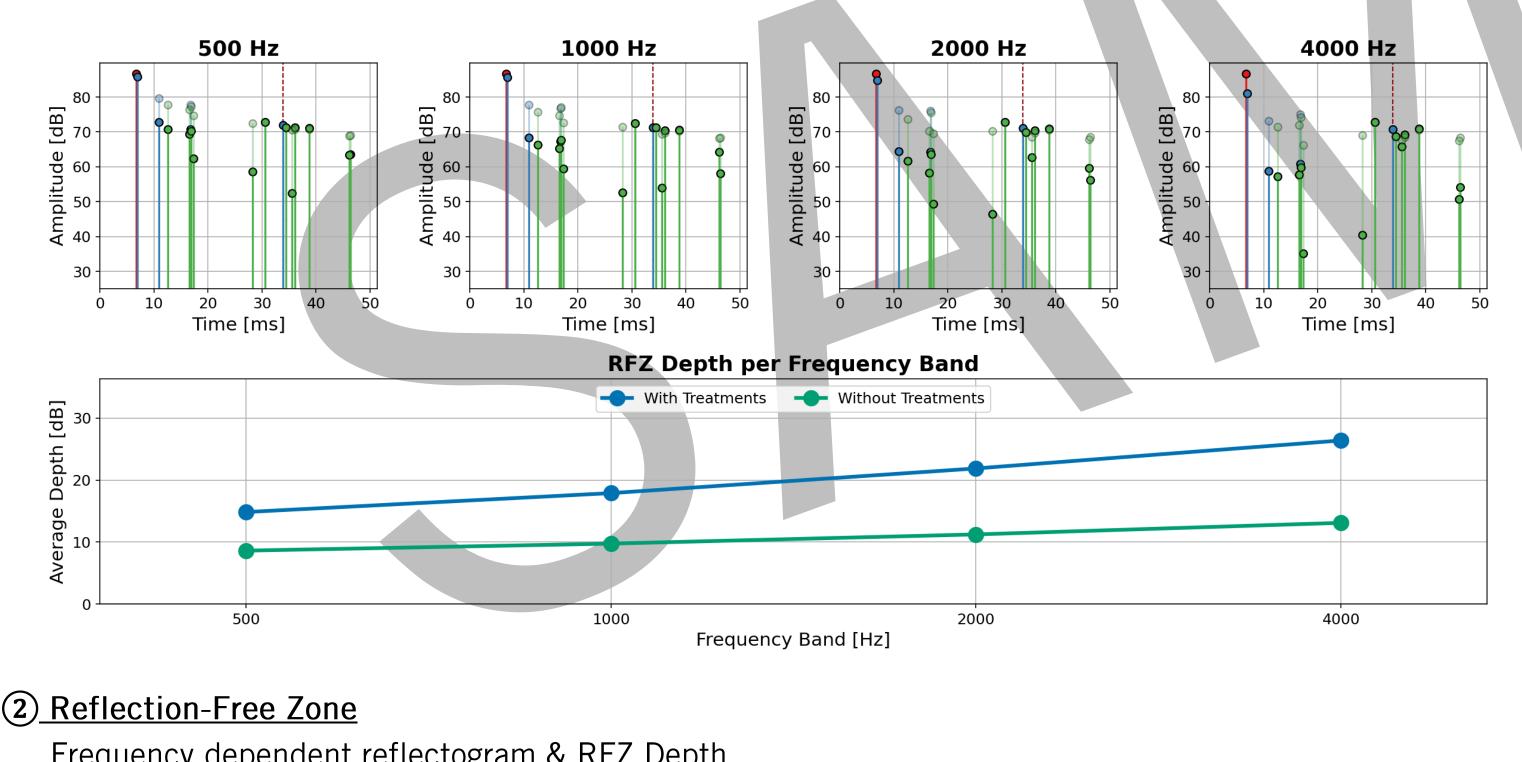




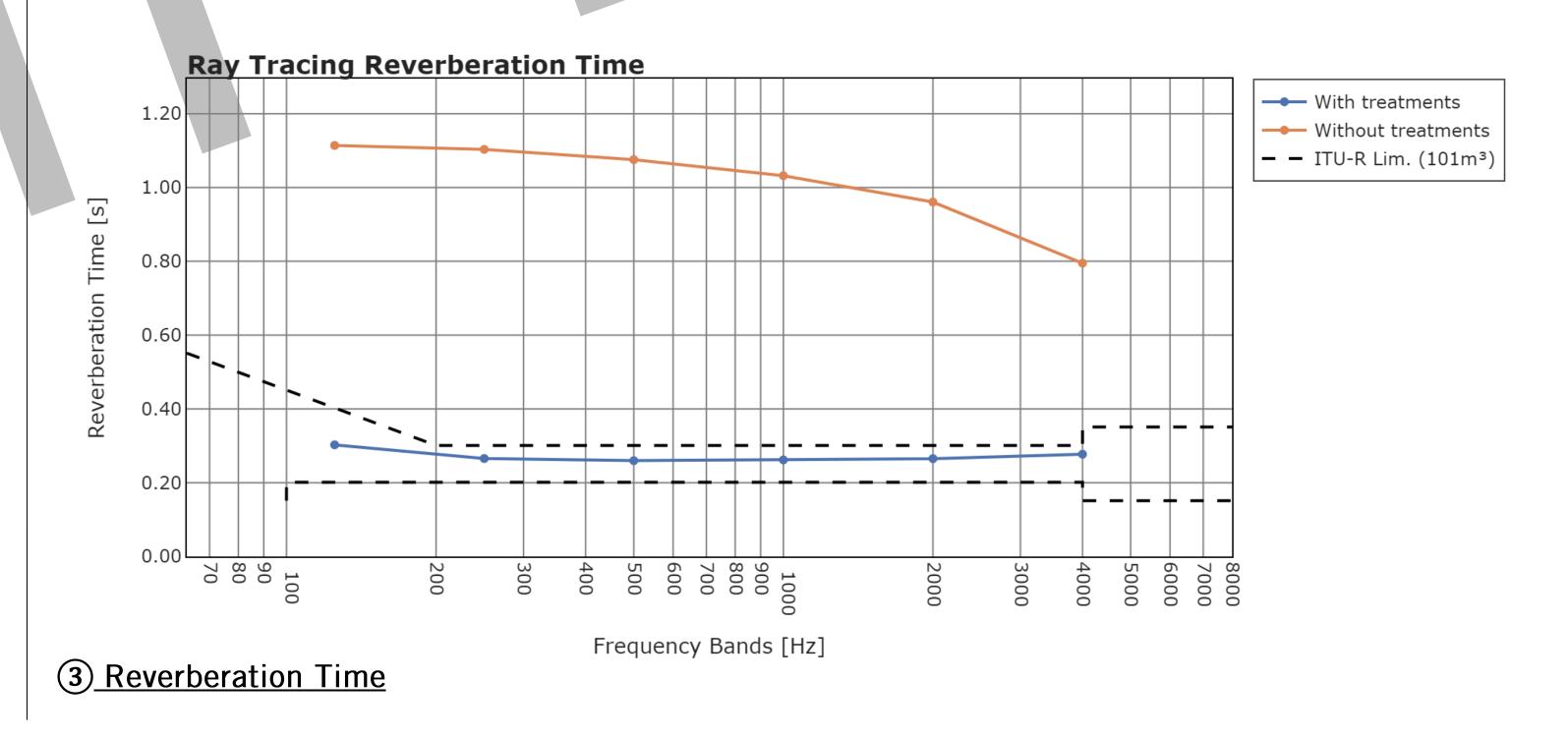


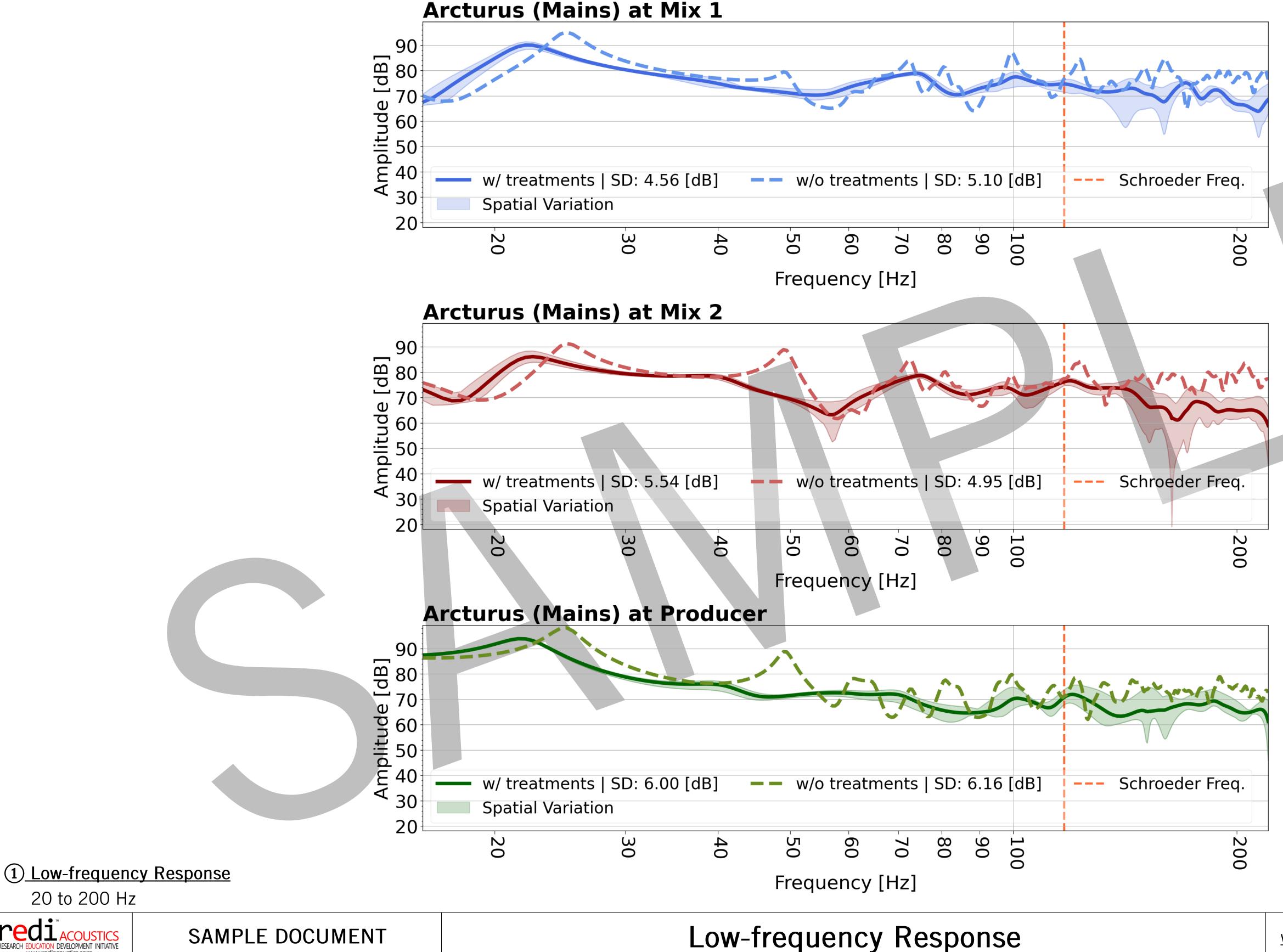


1 Specular Reflections 1st and 2nd order

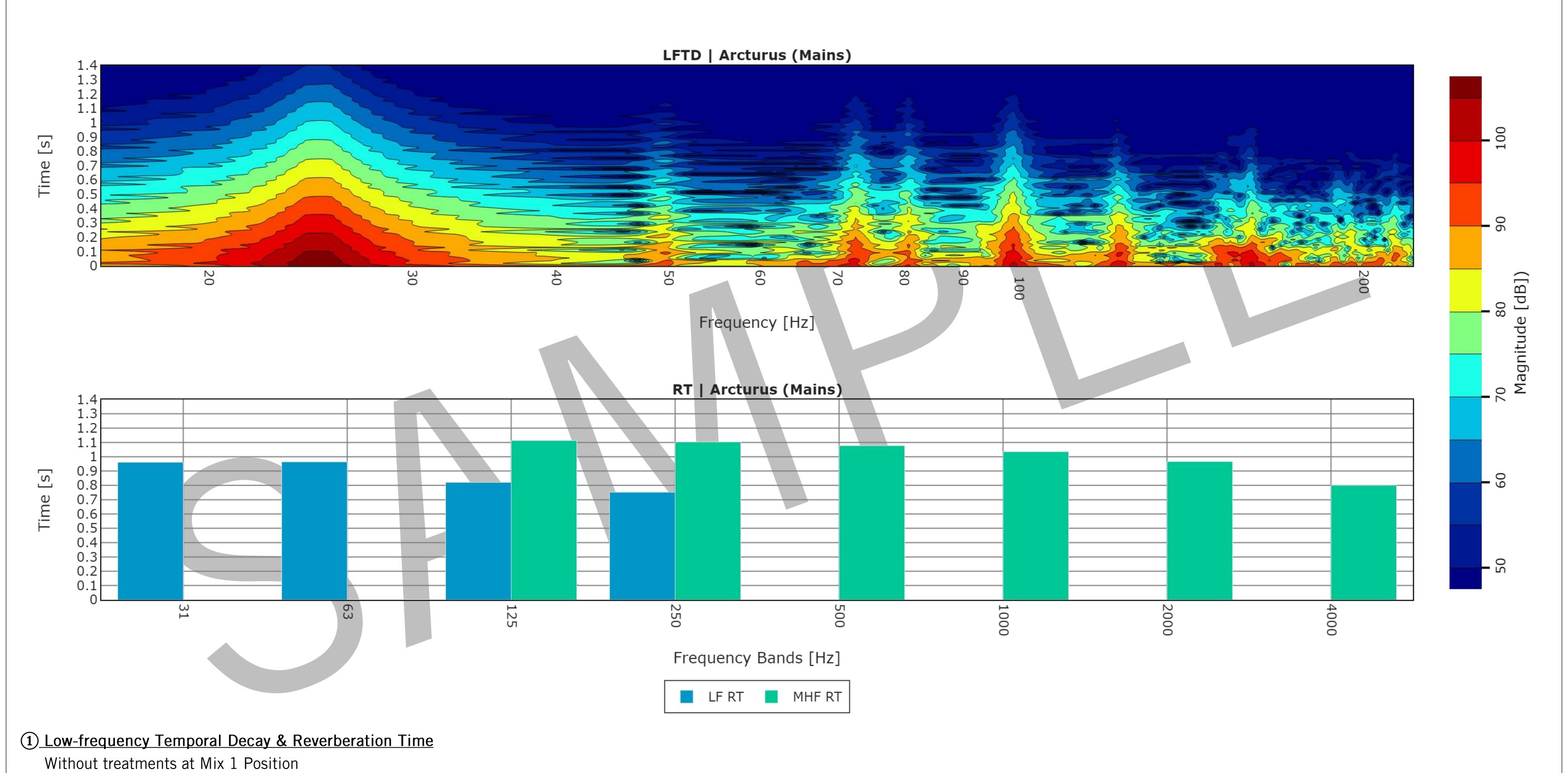


2 Reflection-Free Zone Frequency dependent reflectogram & RFZ Depth





6



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