

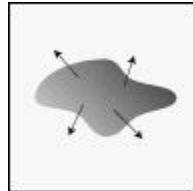
Design Parameters, Page: 1 of 3

System Analysis Parameters

SPL Distance= 1.0000 M
SPL Horz-Pos= 0.00 Deg
SPL Vert-Pos= 0.00 Deg
Phase Distance= Zero
Temp Reference= 25.00 °C
Temp Ambient= 25.00 °C
Temp VoiceCoil= 125.00 °C
Diffraction Order= 0
Diffraction Freq= 3.0000E3 Hz
OptPortNonLin= True
OptPortReflec= False
OptChamLeak= True
OptChamReflec= False
OptMutual= True
Vgen= 17.8885 V
Rgen= 1.0000E-6 Ohm
Power/Spkr= 40.0000 W
PowerTotal= 40.0000 W

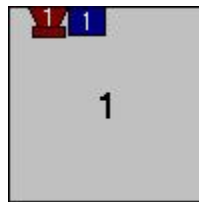
Domain Parameters

Boundary= Full-Space
Shape= Infinite



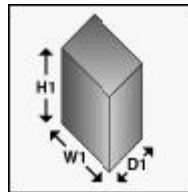
Enclosure Structure

Chambers= 1
Speakers= 1
Ports= 1



Enclosure Parameters

Model= Ported Higpass
Shape Type= VolumeObject
Location= 0.000, 0.000, 0.000 M
Rotation= 0.000, 0.000, 0.000 Deg
VolNet= 18.0840 Ltr
VolOcc= 1.5000 Ltr
VolTot= 19.5840 Ltr
Dims= External
WallThickness= 15.0000 mm
Depth1= 350.0000 mm
Width1= 210.0000 mm
Height1= 370.0000 mm
Shape= Box



Layout Parameters

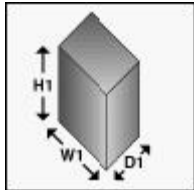
Face Count= 6
Source Objects= 2
Src1 Type= Spkr, FaceIndex=1
Src1 Pos= 0.000, 0.000, 0.000 M
Src2 Type= Vent, FaceIndex=1
Src2 Pos= 0.000, -0.150, 0.000 M

Notes

Design Parameters, Page: 2 of 3

Chamber-1 Parameters

ID= Cham
Vfill= 25.0000 %
Dfill= 1.0000 lb/Ft?
Media= Fiberglass
VolNet= 18.0840 Ltr
VolOcc= 1.5000 Ltr
VolTot= 19.5840 Ltr
Dims= External
WallThickness= 15.0000 mm
Depth1= 350.0000 mm
Width1= 210.0000 mm
Height1= 370.0000 mm
Shape= Box



Speaker-1 Parameters

ID= Spkr
Quantity= 1
Wiring= Elec-Parallel
Mounting= Acou-Parallel
SrcObject= 1
ChamberLocation= 1
ChamberRadiated= Domain
ChamberSideNum= 2
ChamberSideRev= False
LtdLibrary= Morel New Sample.LTD
Name= CAW 638, Heated
Note= morel scw636 2way kit.lib
Model= TSL
Domain= FreeAir
Shape= Round
Profile= Cone
Fmd= 3.0000 KA
Qmd= 1.0000
Flp= 8.0000 KA
Qlp= 2.0000
Znom= 8.0000 Ohm
Revc= 6.3000 Ohm
Sd= 11.6900E-3 M?
Mmd= 14.4566E-3 Kg
Pmax= 149.9700 W
Rtvc= 1.6670 °C/W
Xgap= 10.0000E-3 M
Xcoil= 18.5000E-3 M
Xmax= 4.2500E-3 M
Krm= 1.6200E-3 Ohm
Erm= 802.0000E-3
Kxm= 16.9240E-3 H
Exm= 639.0000E-3
Rms= 1.9324 N-S/M
Mms= 15.1830E-3 Kg

Mms= 15.1830E-3 Kg
Cms= 1.0870E-3 M/N
Vas= 21.2167E-3 M?
Fo= 39.1766 Hz
Qms= 1.9340
Qes= 0.6012
Qts= 0.4586
BL= 6.2580 T-M
Levc= 720.0457E-6 H
SPLo= 85.1024 dB
No= 203.4303E-3 %

Transducer Network- 1

ID= Spkr
Components= 2
R1 1.00000000u 1 3
R2 1.00000000u 2 4

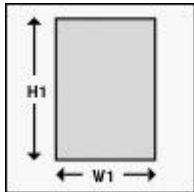
Notes

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Port-1 Parameters

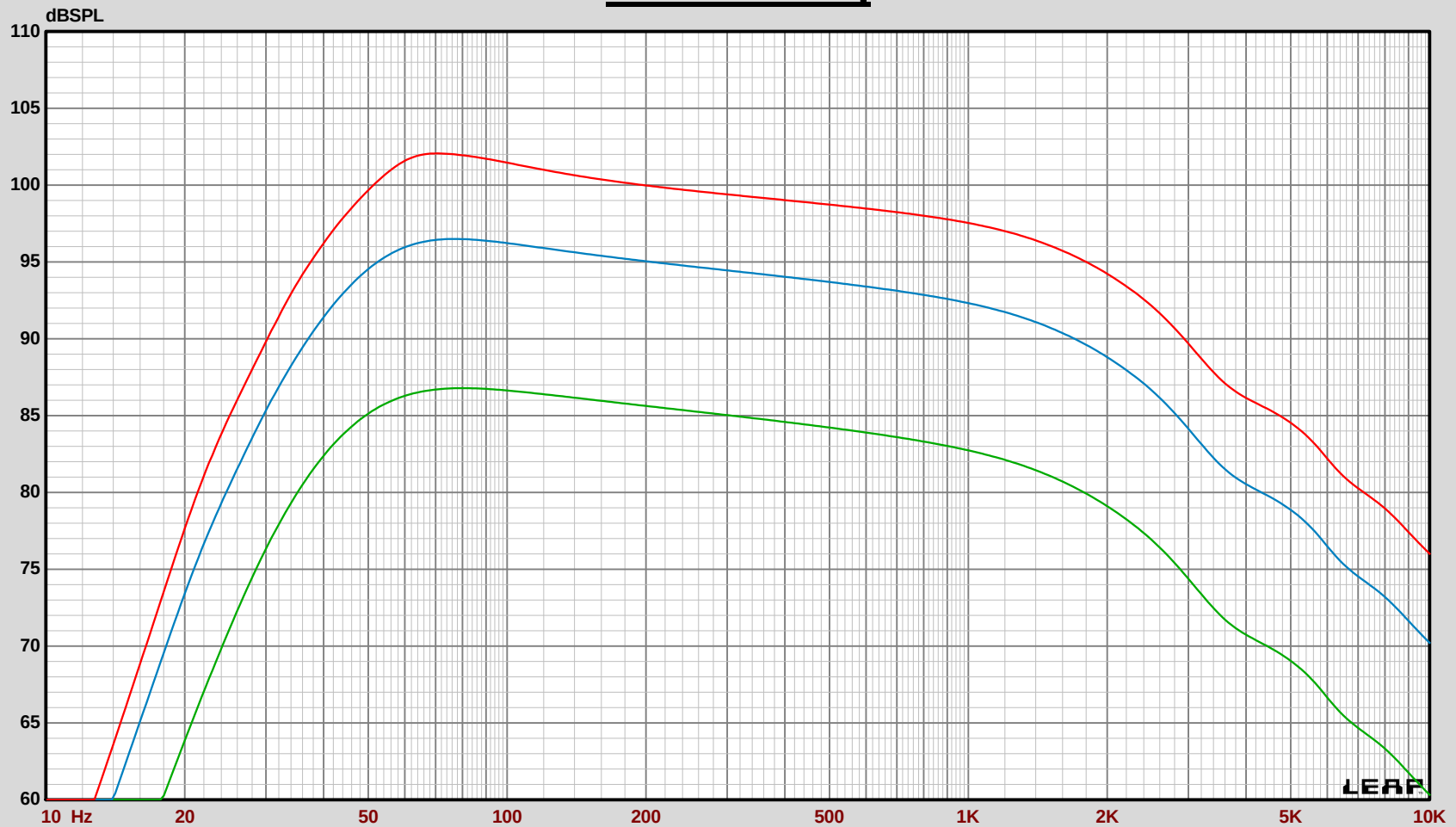
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ID= Port
PortType= Vent
Quantity= 1
Fp= 38.0000 Hz
Length= 303.4344 mm
Vfill= 0.0000 %
Dfill= 998.8473E-3 lb/Ft?
Media= Fiberglass
SrcObject= 2
ChamberLocation= 1
ChamberRadiated= Domain
ChamberSideNum= 2
ChamberSideRev= False
AreaNet= 32.4000 cm?
AreaOcc= 0.0000 cm?
AreaTot= 32.4000 cm?
Dims= External
WallThickness= 15.0000 mm
Width1= 210.0000 mm
Height1= 48.0000 mm
Shape= Rectangle



Notes

SPL vs Freq

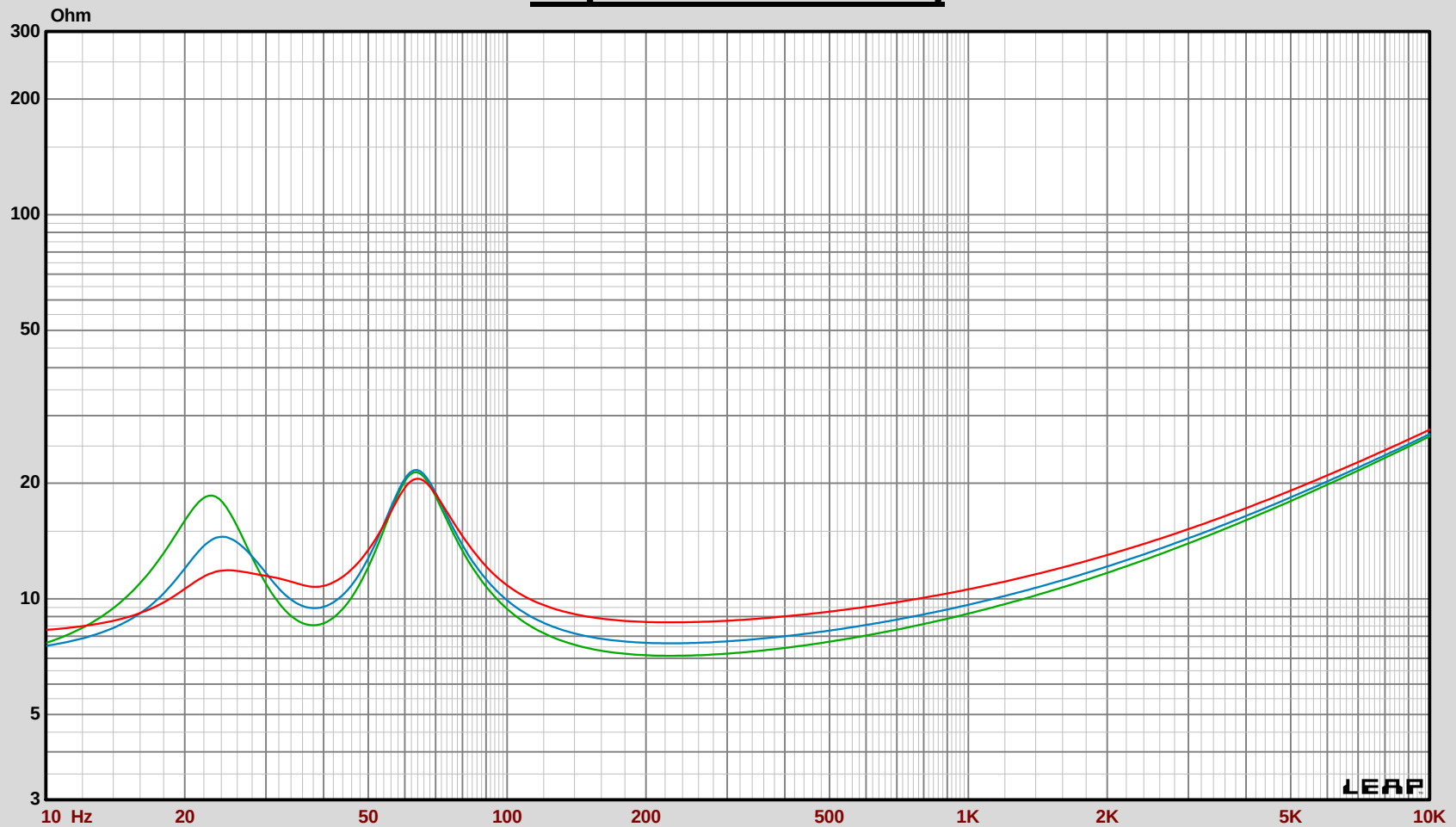


Map

- 1: SPL-Power Enc, 1W
- 7: SPL-Power Enc
- 13: SPL-Power Enc

Notes

Impedance vs Freq

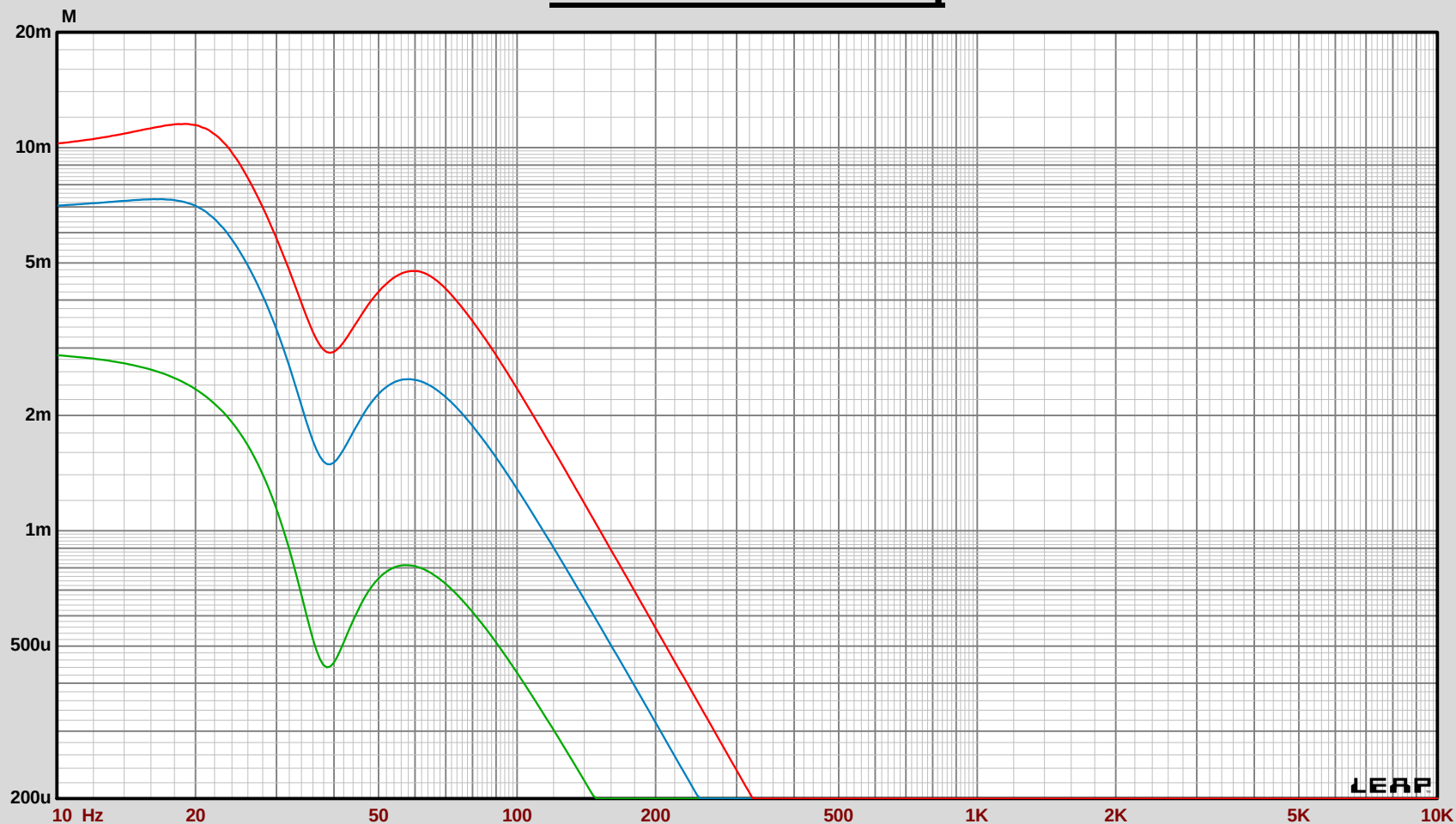


Map

- 2: Impedance Enc
- 8: Impedance Enc
- 14: Impedance Enc

Notes

Excursion vs Freq

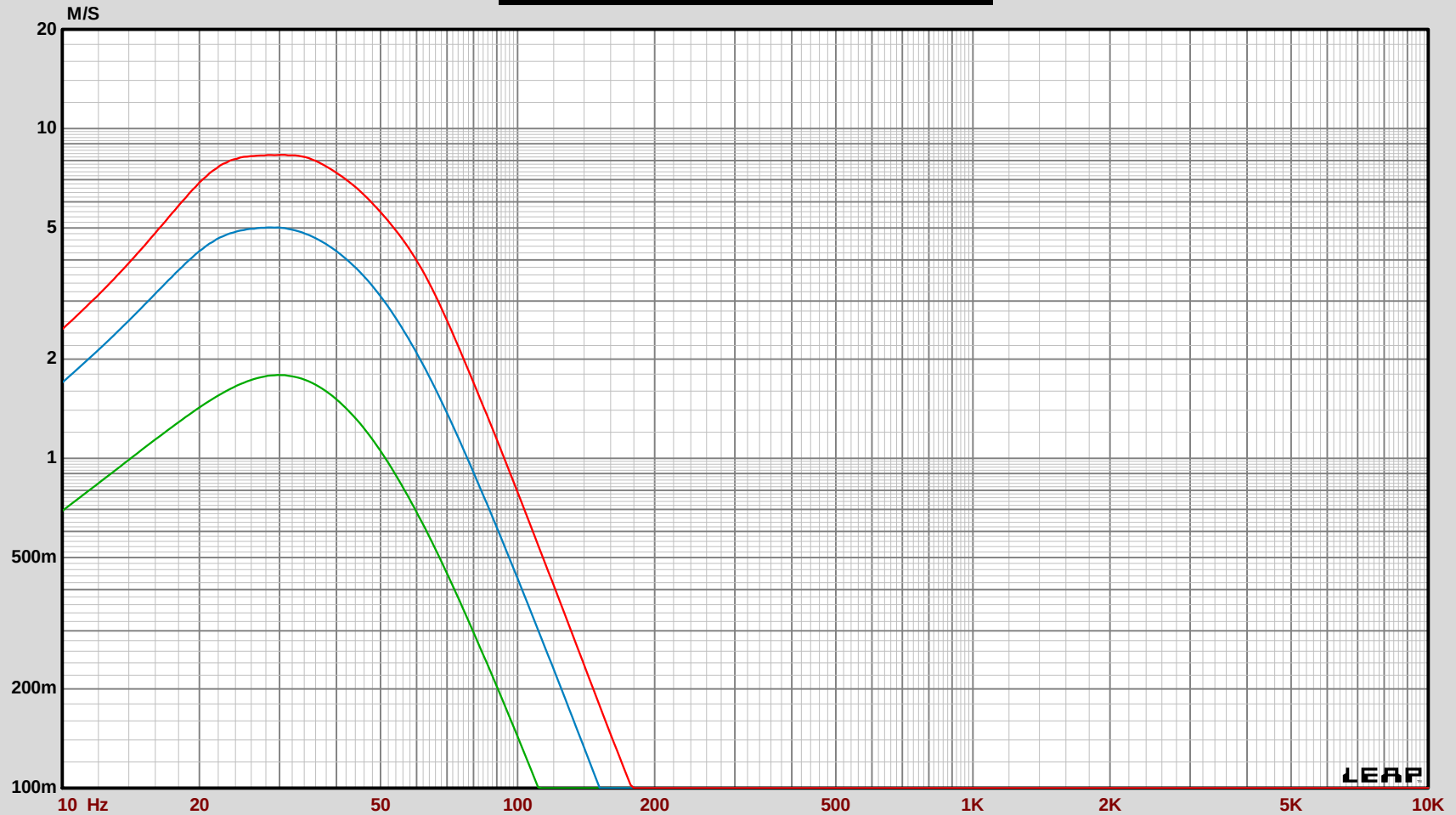


Map

- 4: Excursion Spkr
- 10: Excursion Spkr
- 16: Excursion Spkr

Notes

Linear Velocity vs Freq



LEAP

Map

- 5: Velocity Port
- 11: Velocity Port
- 17: Velocity Port

Notes

Time vs Freq



Map

- 3: GroupDelay Enc
- 9: GroupDelay Enc
- 15: GroupDelay Enc

Notes