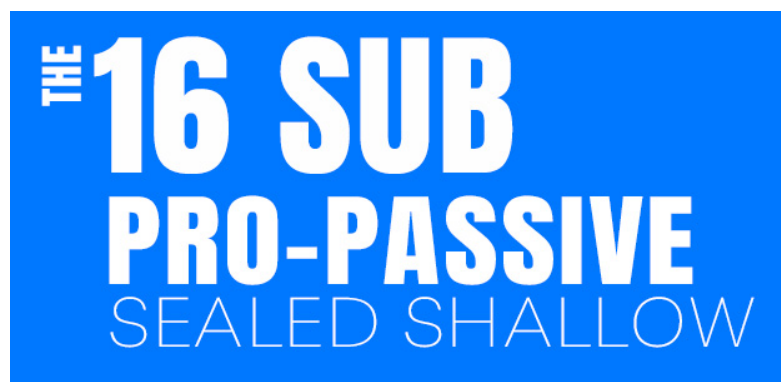




Report of THE 16 SUB PRO PASSIVE SEALED SHALLOW

ASCENDO _____

Date	Author	Changes	Version
11/10/2024	AB		V1

Summary

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1. Pictures of measurements

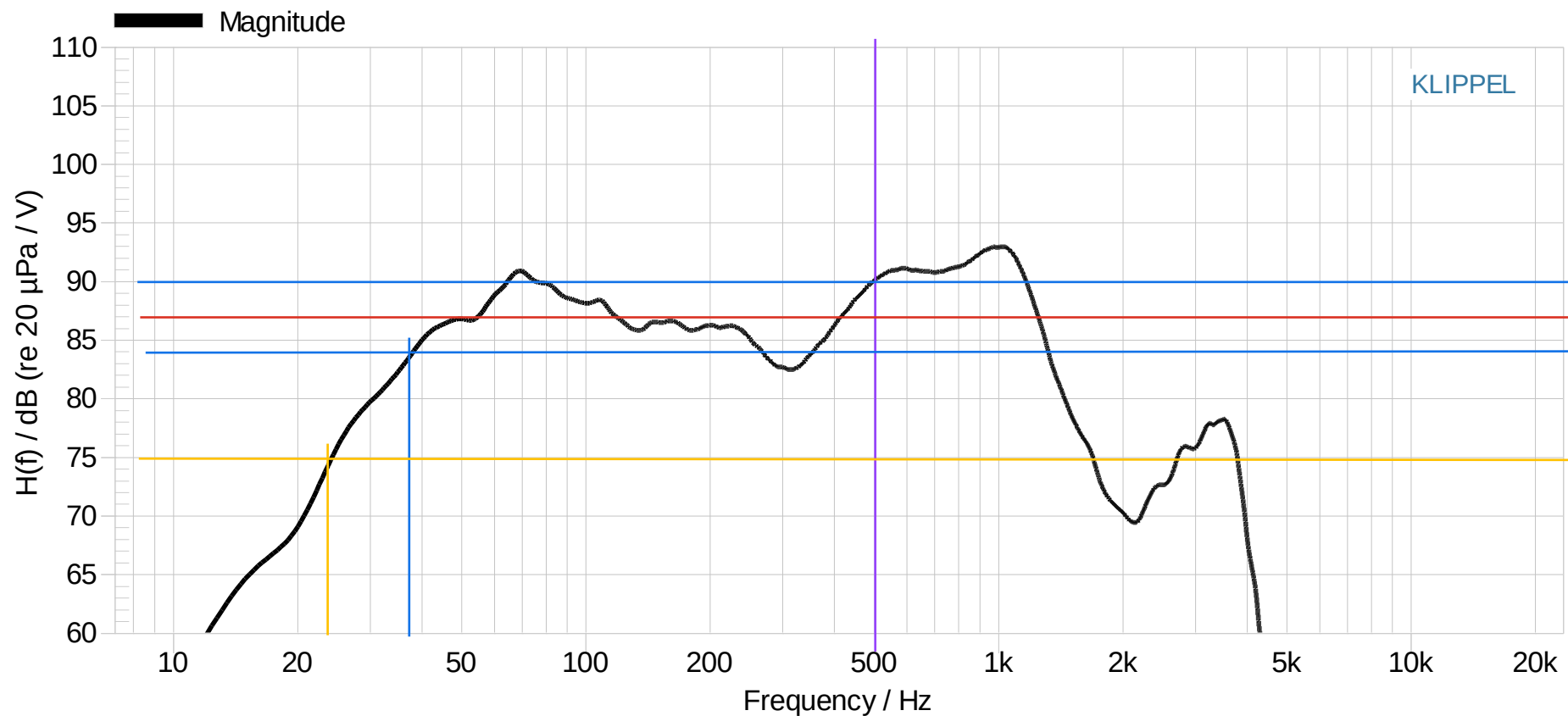


2. Frequency Response

2v @1m (1W@Zn)– 1/6 oct. Smoothing

Magnitude of transfer function $H(f)$

$H(f)$ = Signal at IN2 / Voltage Speaker 1

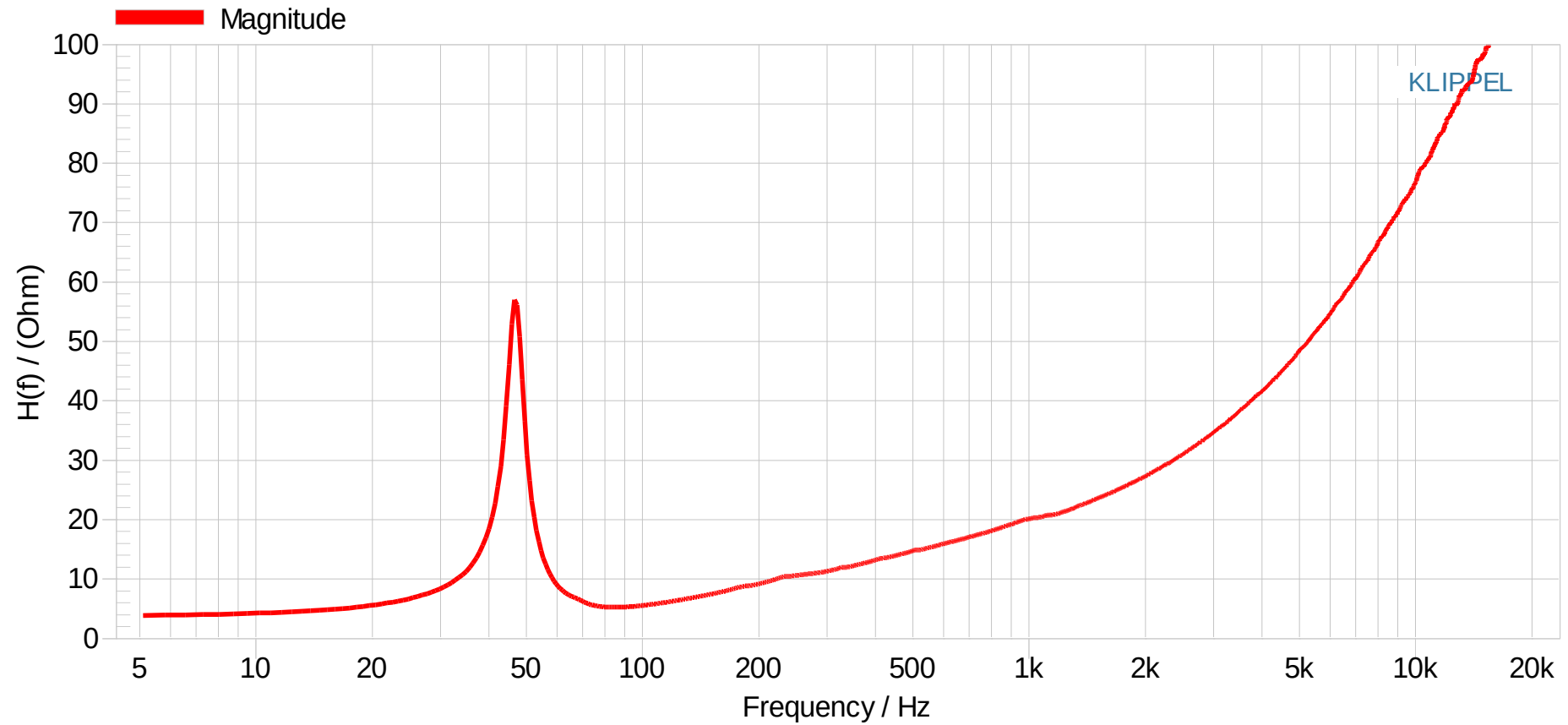


3. Impedance Curve

No Smoothing

Magnitude of transfer function $H(f)$

$H(f) = \text{Voltage Speaker 1} / \text{Current Speaker 1}$



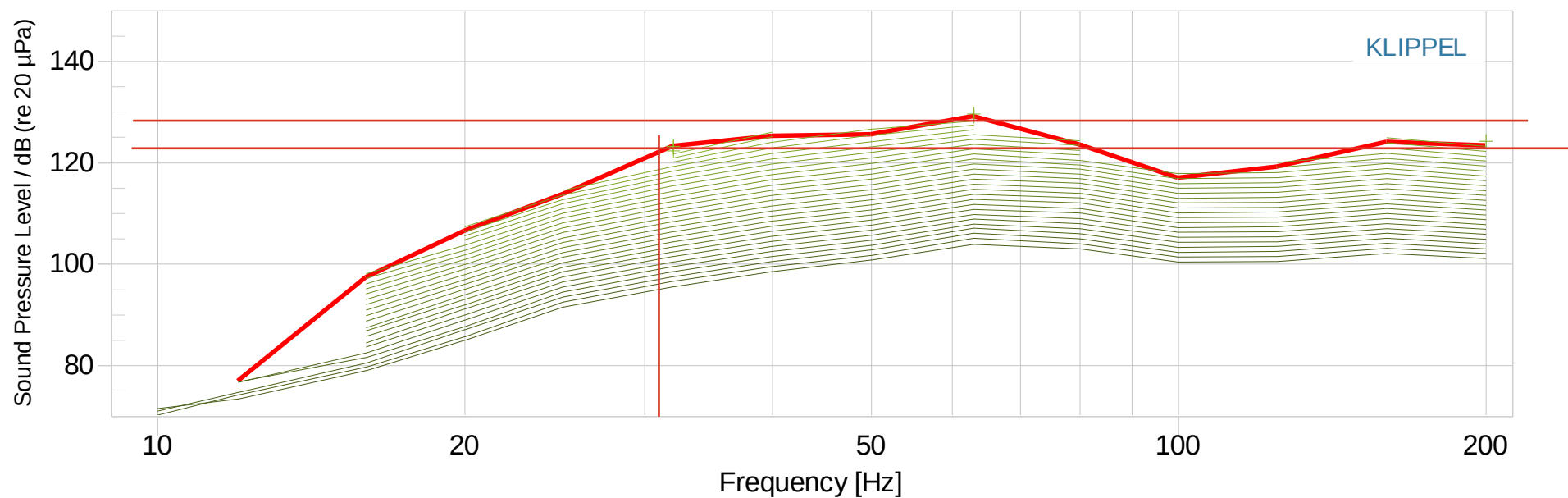
4. CEA2010B Powersoft K20 (Bridge Mode)

4.1. Max Peak SPL

Peak Value - IN2 (Mic)

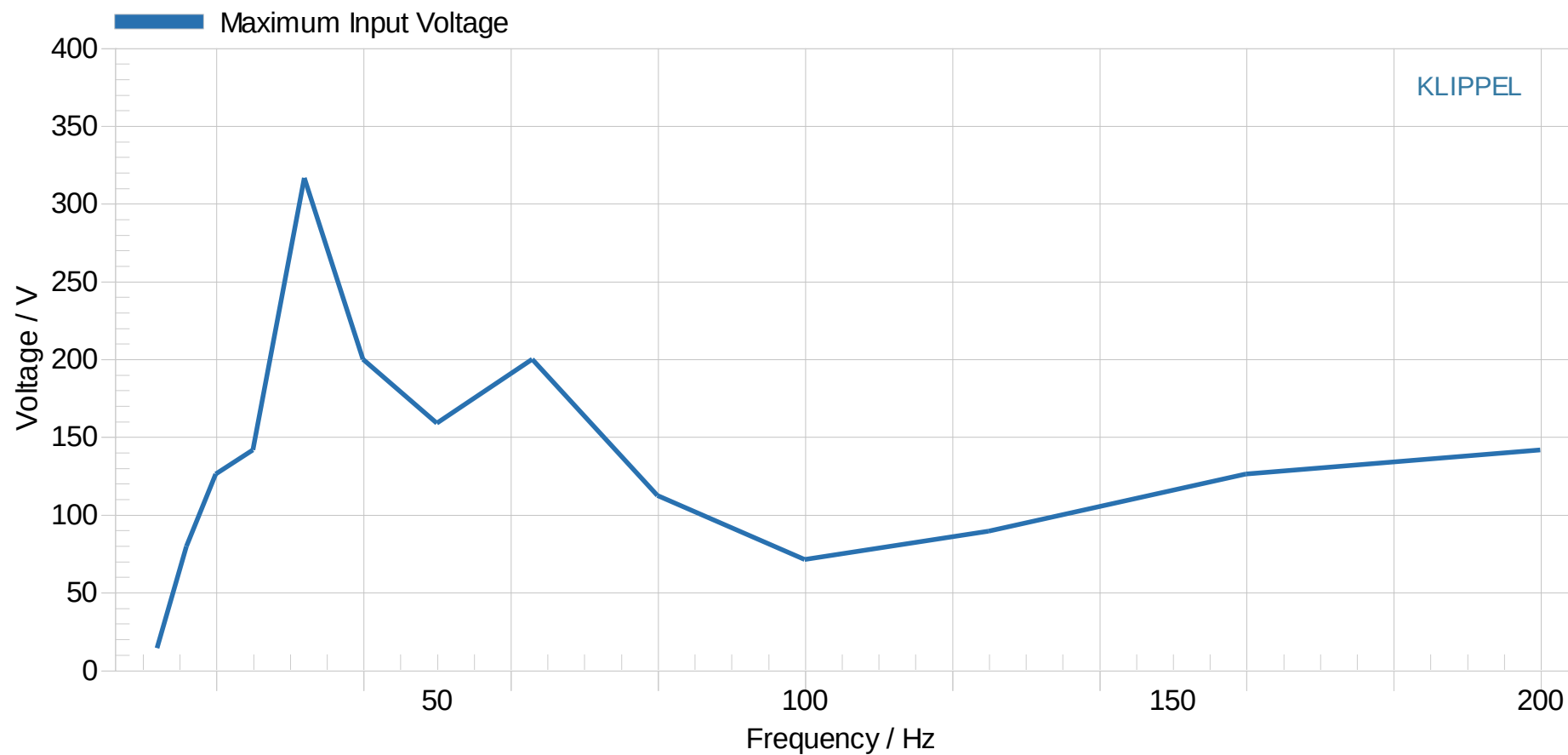
referenced to 1 m - Half space (2 pi)

Max Passed	10 V	11.22 V	12.59 V	14.13 V	15.85 V
17.78 V	19.95 V	22.39 V	25.12 V	28.18 V	31.62 V
35.48 V	39.81 V	44.67 V	50.12 V	56.23 V	63.1 V
70.79 V	79.43 V	89.13 V	100 V	112.2 V	125.89 V
141.25 V	158.49 V	177.83 V	199.53 V	223.87 V	
251.19 V	281.84 V	316.23 V	354.81 V		



4.2. Max Peak Voltage

Maximum passed Input Voltage vs. Frequency Profile



4.3. THD on Burst

Total Burst Distortion - IN2 (Mic)

