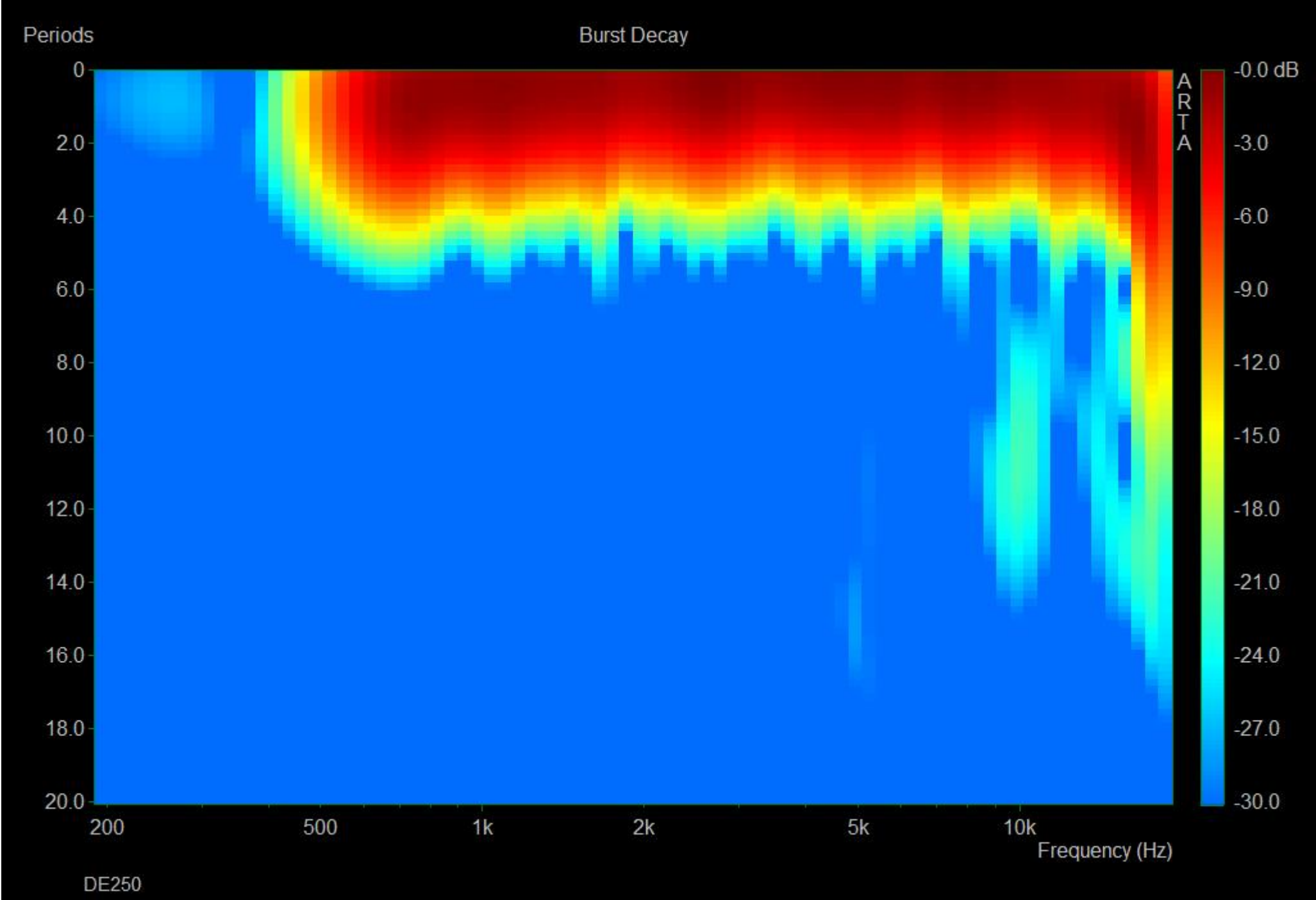


Temporal behavior

For this measurement, the microphone was placed 32cm from the cabinet in the axis. The measurement was made closer to see the engine resonances without having too many polluting resonances linked to the acoustics of the room. The curves have been leveled and windowed to facilitate reading.

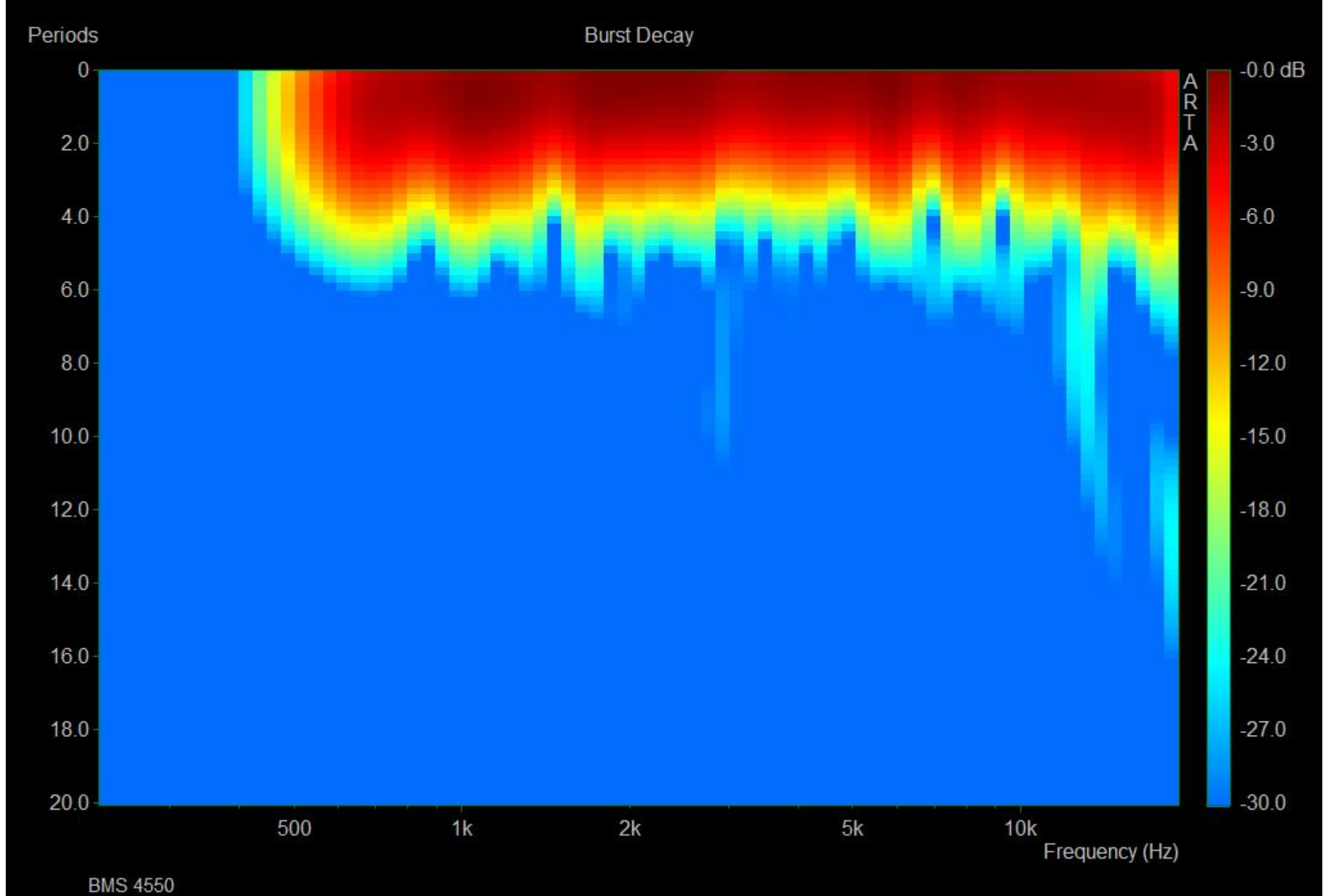
The idea is above all to highlight the end-of-band resonances.

B&C DE250



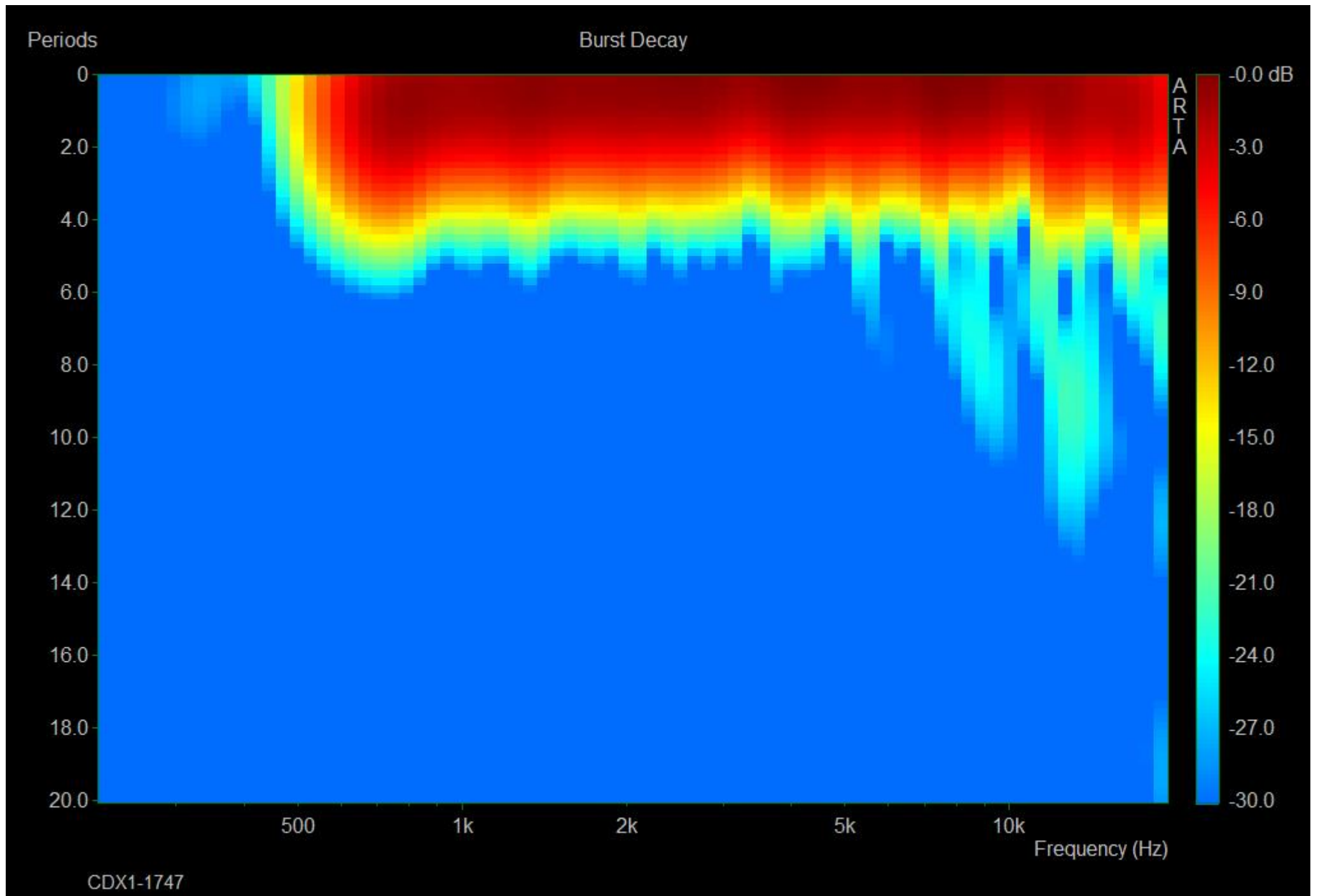
It sounds great after 8 kHz.

BMS 4550



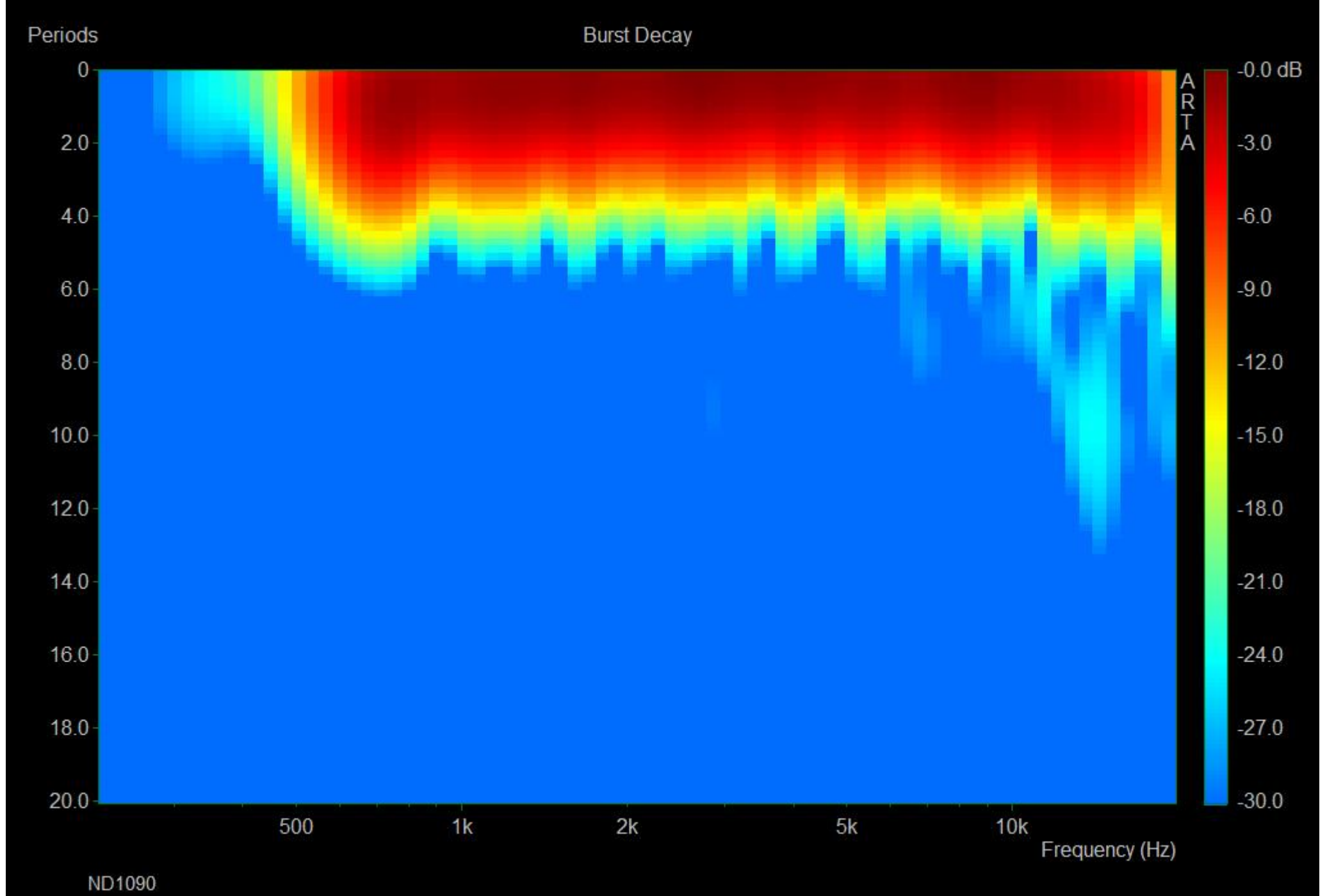
Resonances a little spread out but rather muted. We save the furniture.

Celestion CDX1-1747



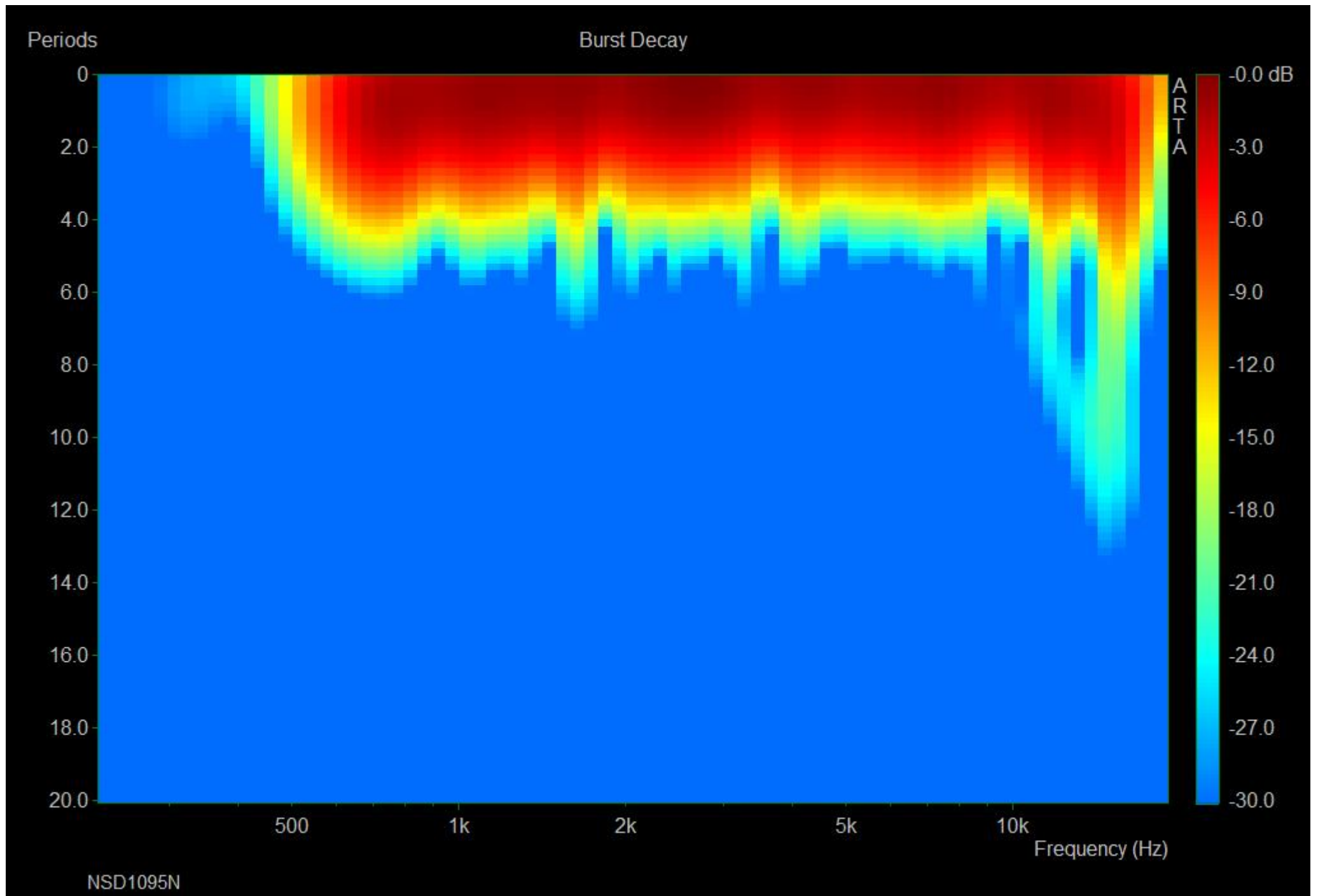
The resonances start very early in frequency and there is every chance of having a negative impact on listening.

Eighteensound ND1090



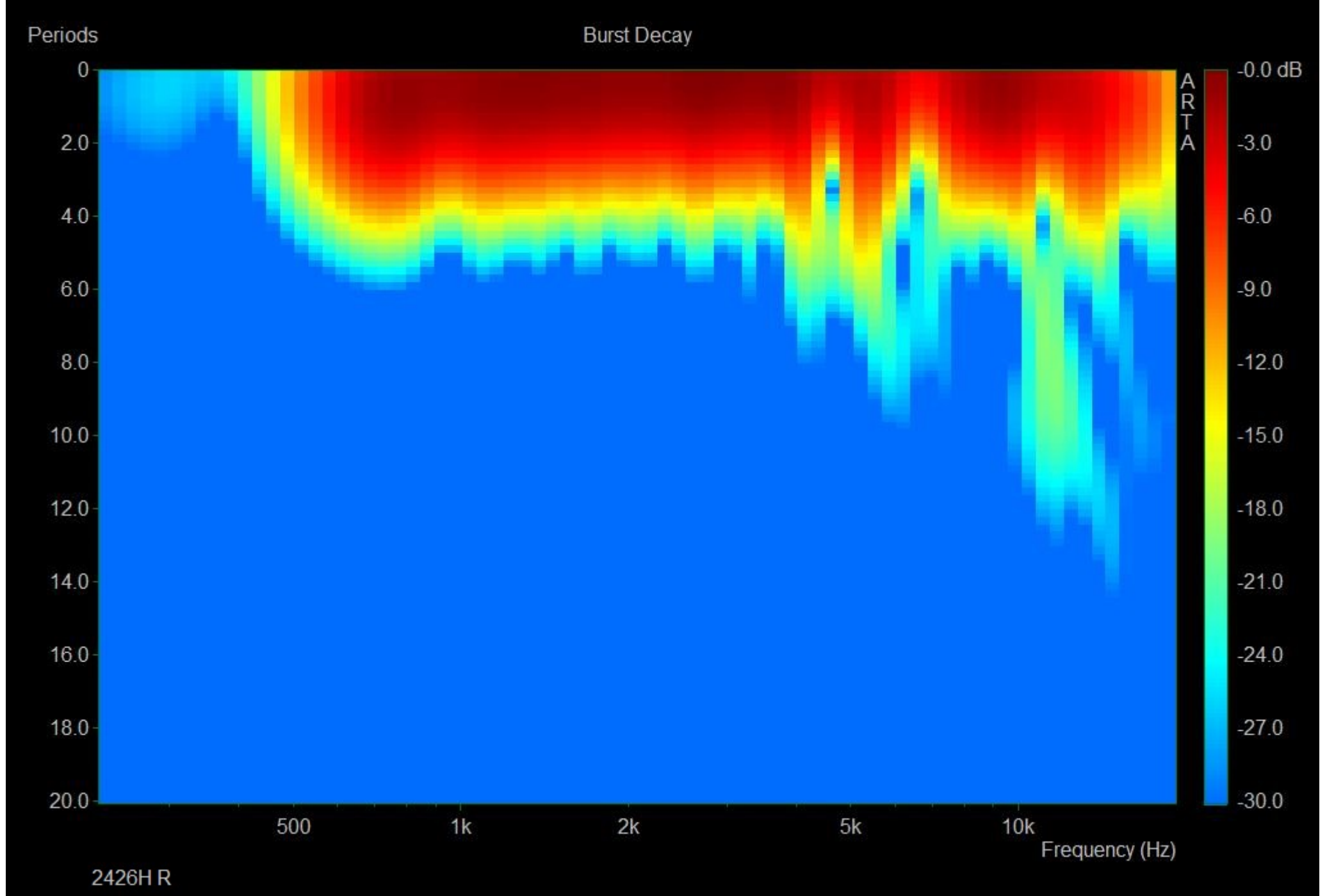
Same comment as for the BMS 4550.

Eighteensound NSD1095N



I did not expect this result. We would have expected something cleaner up there given the technical data sheet.

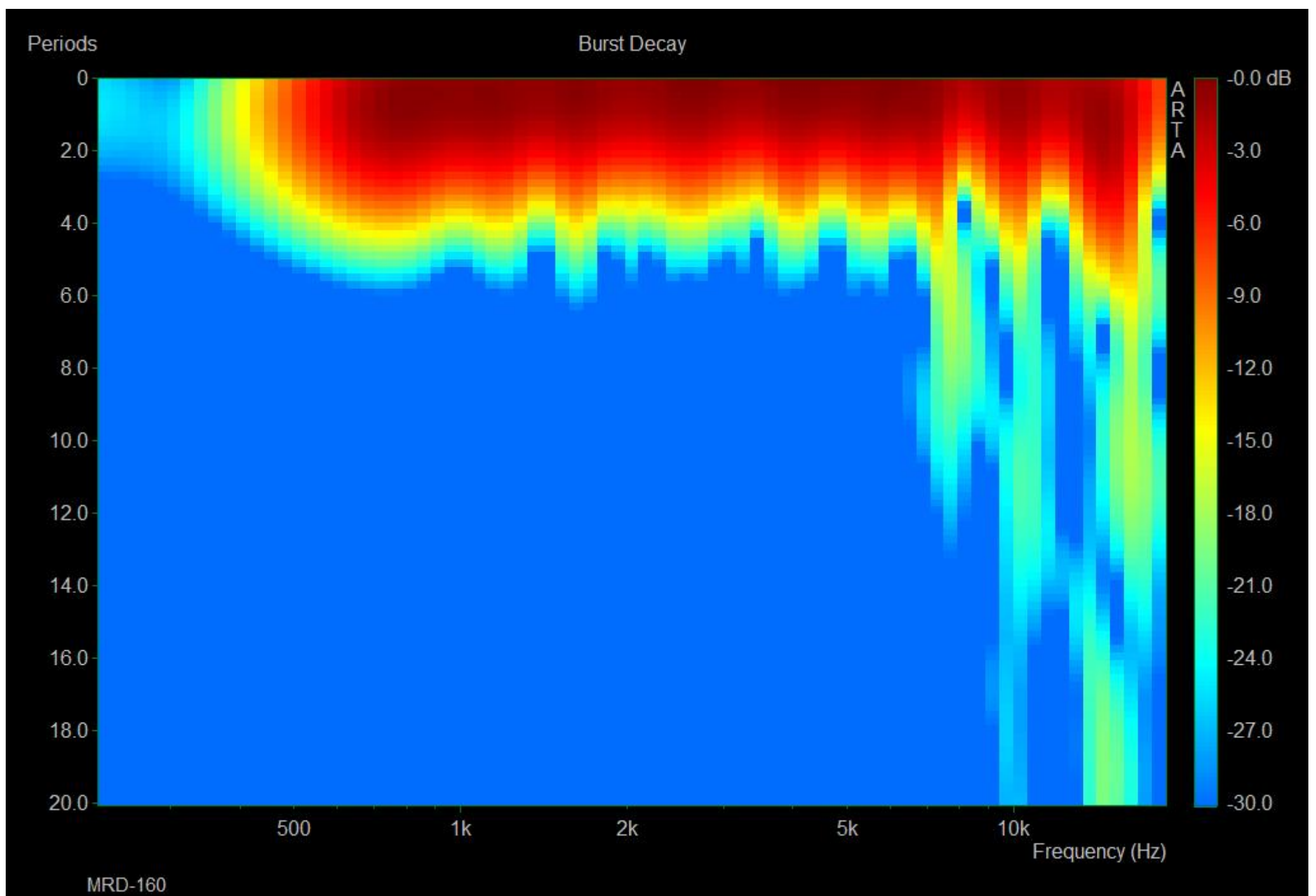
JBL 2426J



NB: I made a shell by noting 2426H rather than 2426J

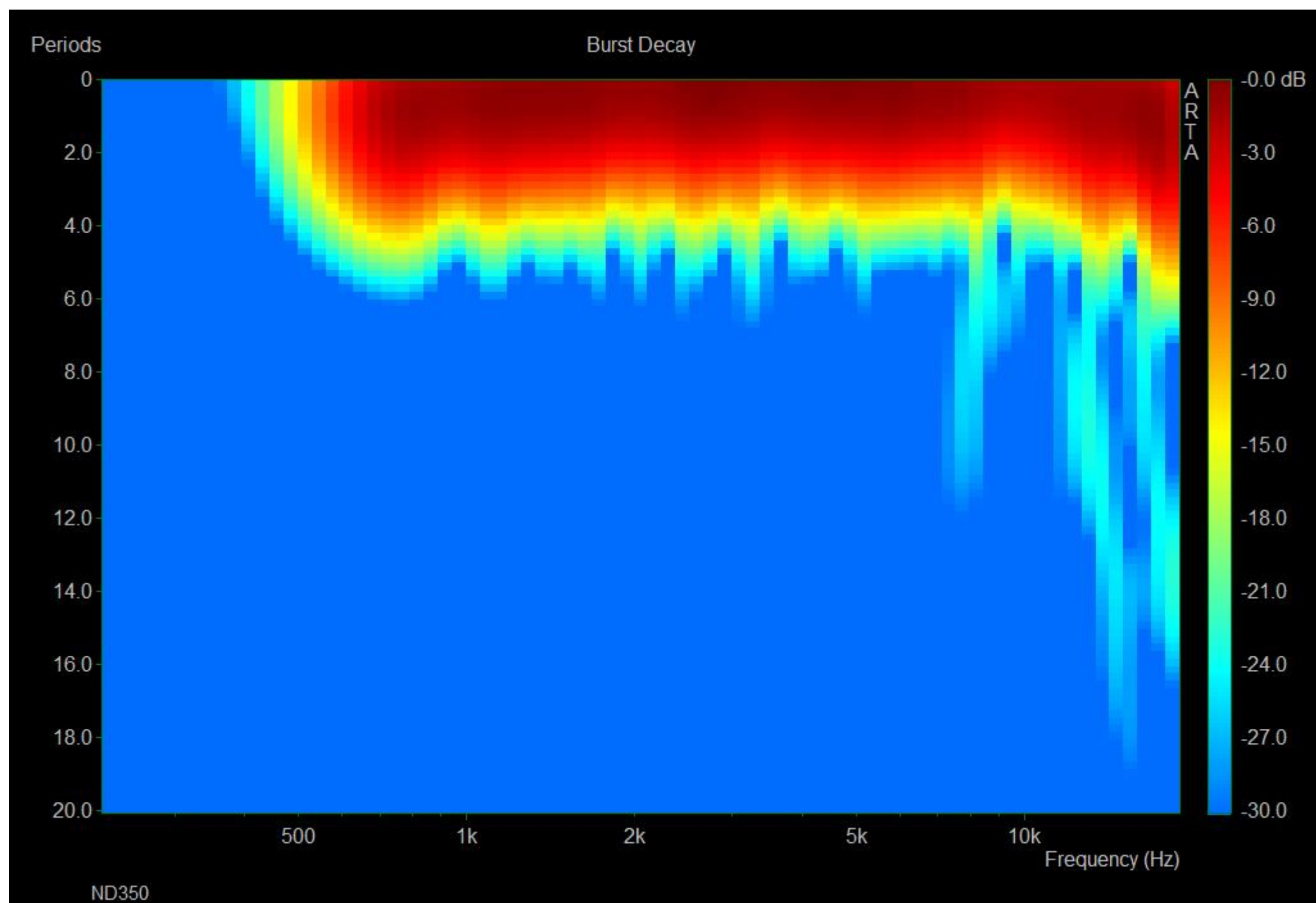
Same comment as Celestion.

Monacor MRD160



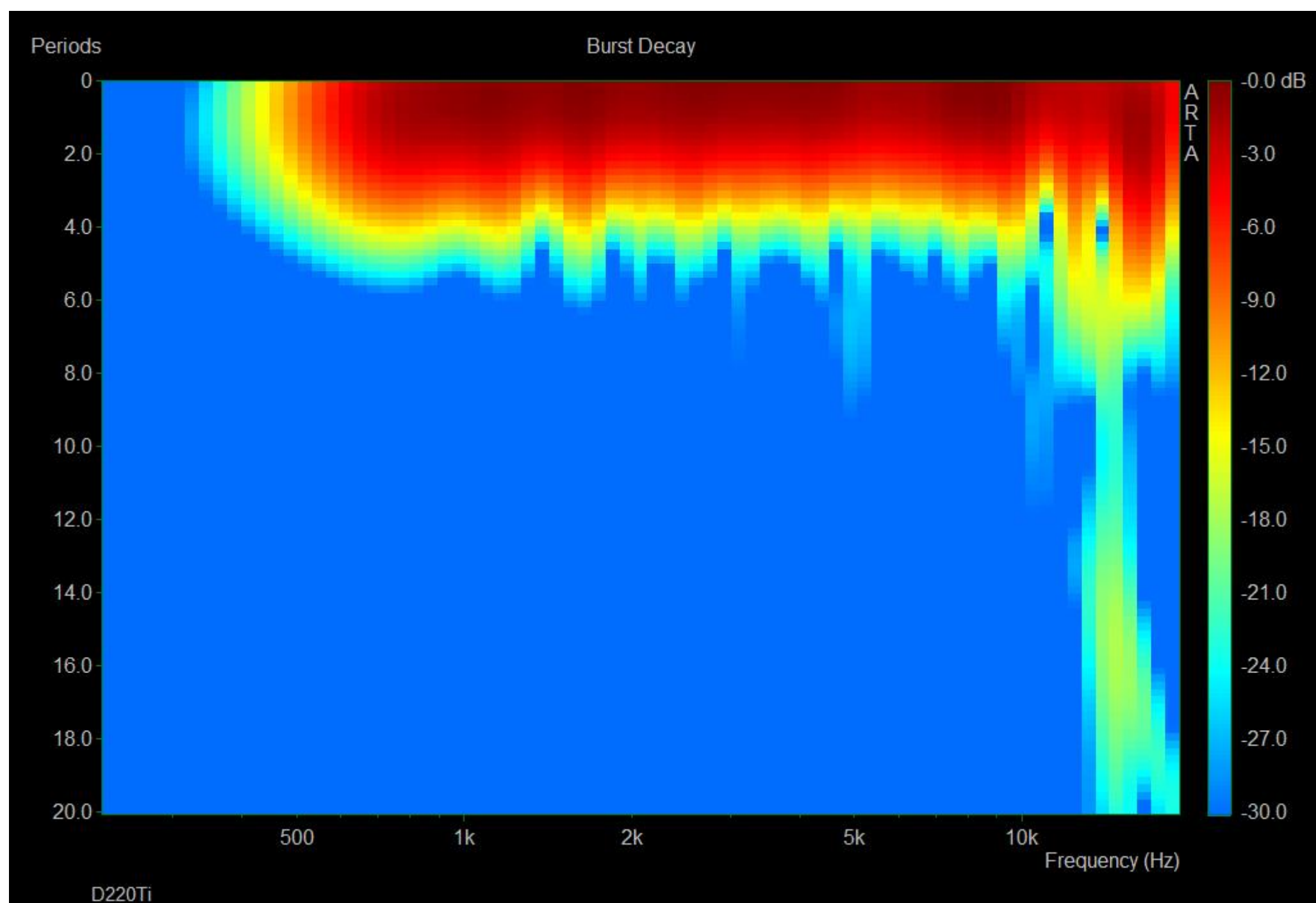
It is frankly not beautiful to see.

RCF ND350



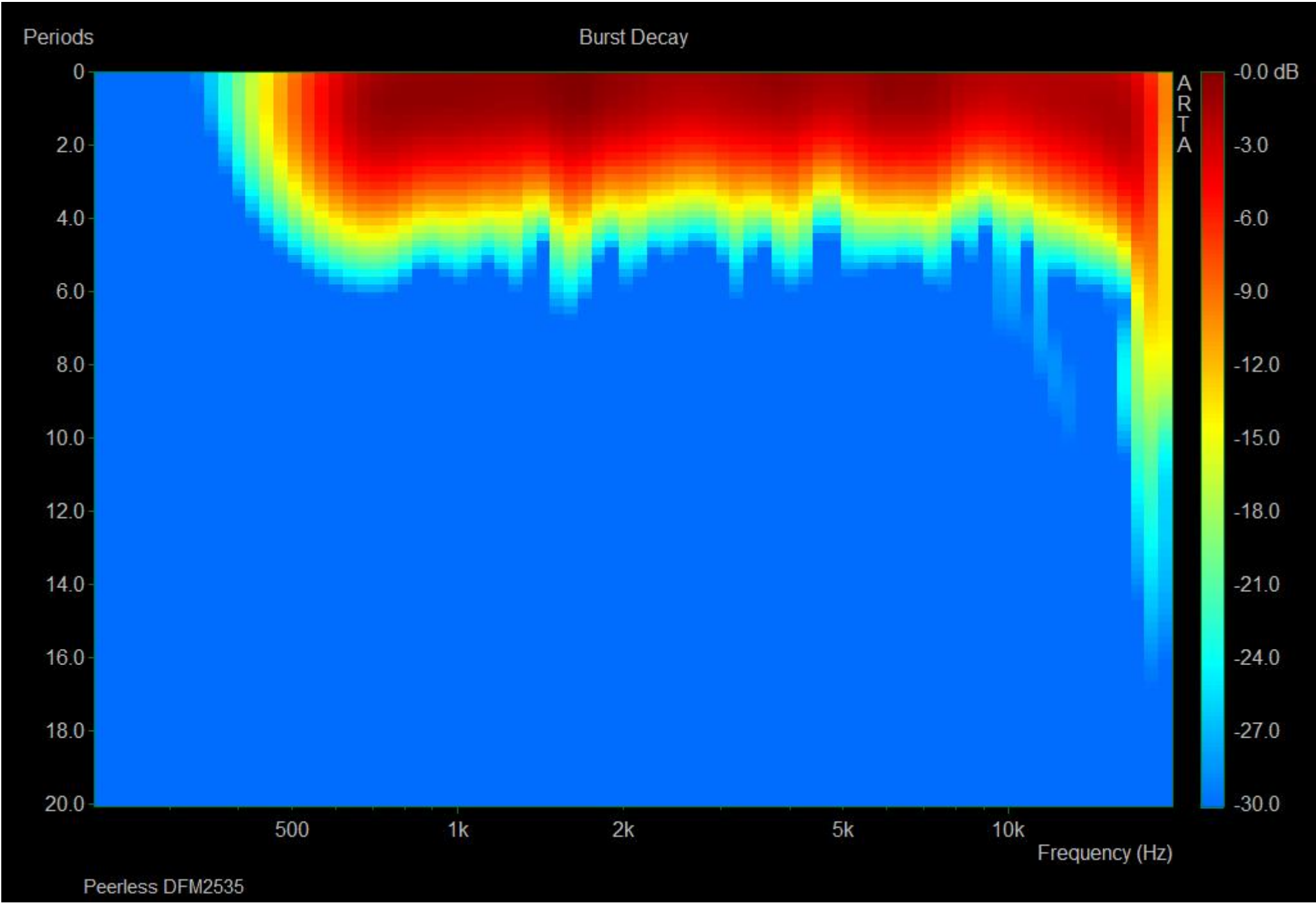
It sounds in small narrow bands and moderately damped, the most annoying is that it starts around 8khz.

Selenium D220Ti



Very marked resonances after 10 kHz.

Tympahny DFM2535R



The resonance is placed very high in frequency and is likely to be not very audible, it should have a less “brilliant” behavior than some.

Temporal Behavior Ranking

This part of the test disappointed me a little. When you know that this point has a strong impact on listening, there is something to wonder about.

None is really clean on this side and even those whose impedance curve seemed little uneven still see small resonances at the end of the band. I expected better from the 18's who had everything to be exemplary on this side.

I would be curious to see the behavior of the JBL with its original diaphragm but I admit that I am not really convinced with the aluminum radian.

- 1. Tymphany DFM2535R
- 2. BMS 4550, 18'S ND1090
- 3. 18'S NSD1095N, RCF ND350, B&C DE250
- 4. Celestion CDX1-1747, JBL 2426J, Selenium D220Ti
- 5. Monacor MRD160