

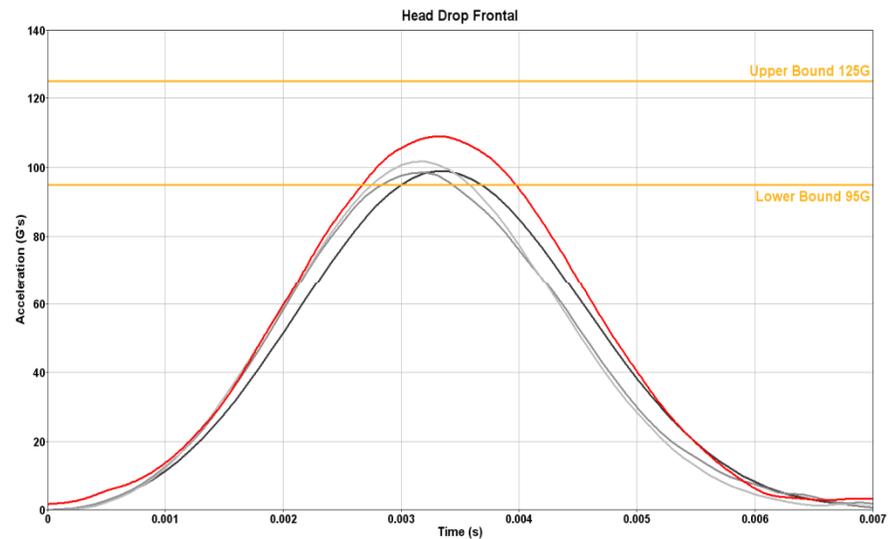
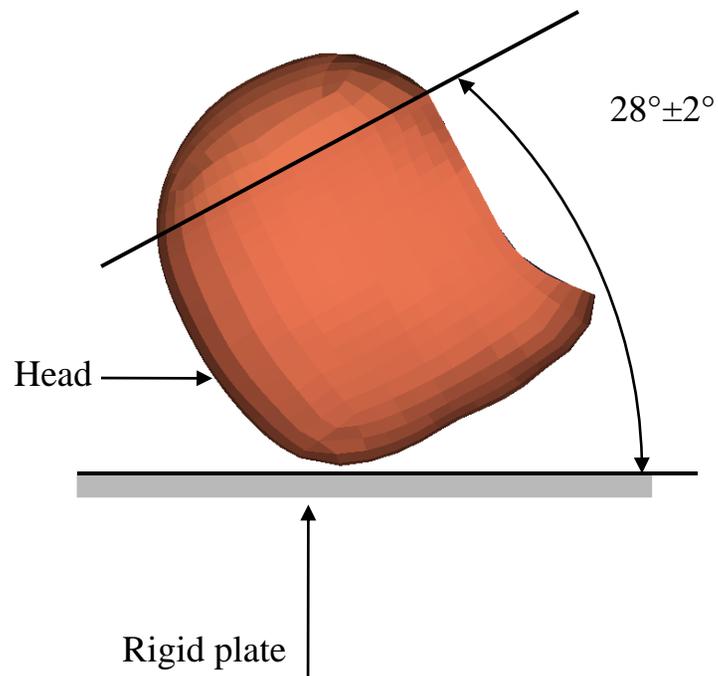
Q 1.5



Item	Total Number
Part/Section/Material	139
Nodes	28,736
Elements: total	43,797
Beam	109
Shell	19,585
Solid	24,039
Spring	61
Accelerometer	3
Joint	9
Contact surface	2
Curves & Table	5

2.2 Head Drop Certification Test

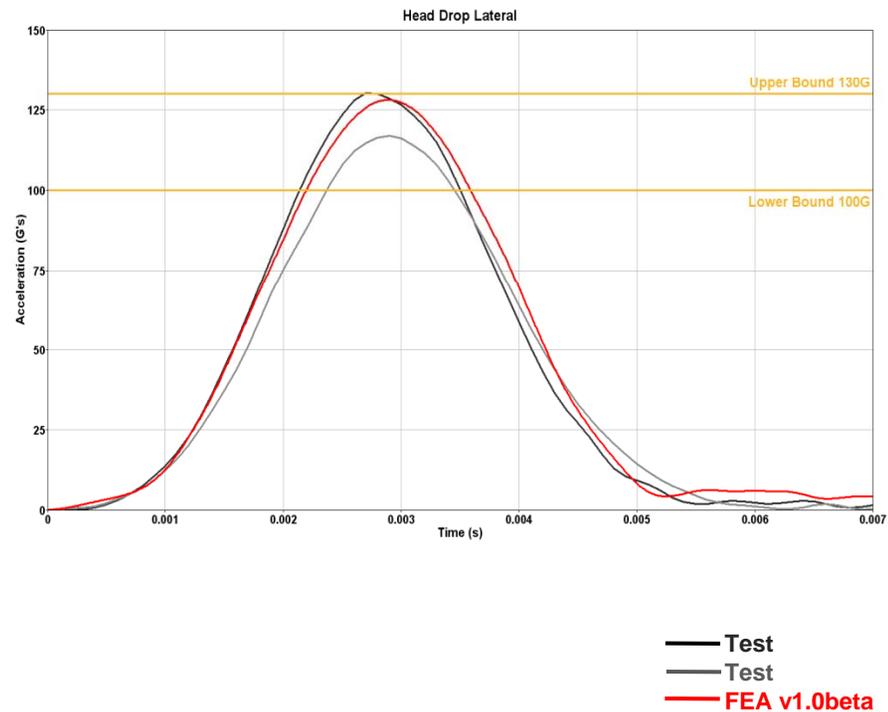
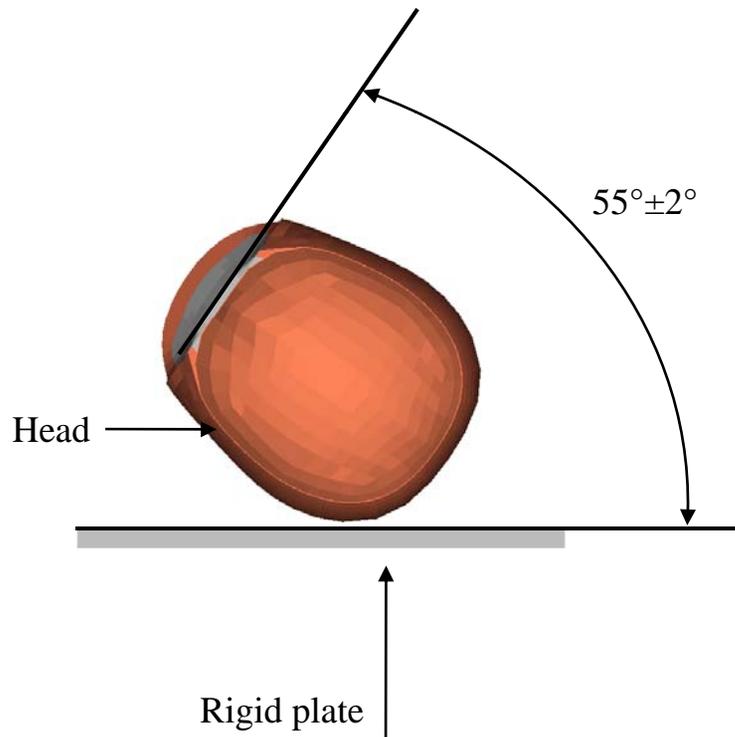
- Certification Test - Frontal
- Drop Height 130mm



— Test
— Test
— Test
— FEA v1.0beta

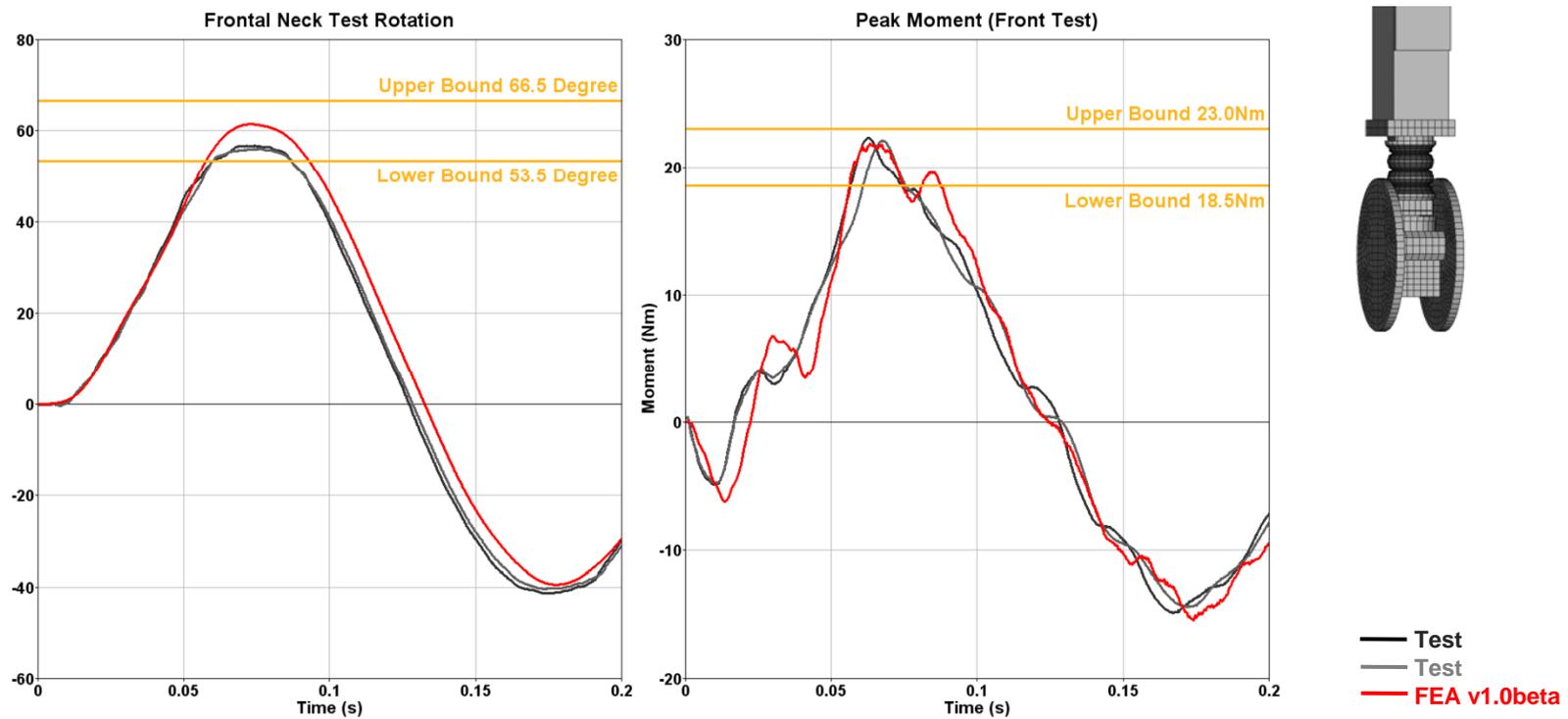
2.2 Head Drop Certification Test

- Certification Test - Frontal
- Drop Height 130mm



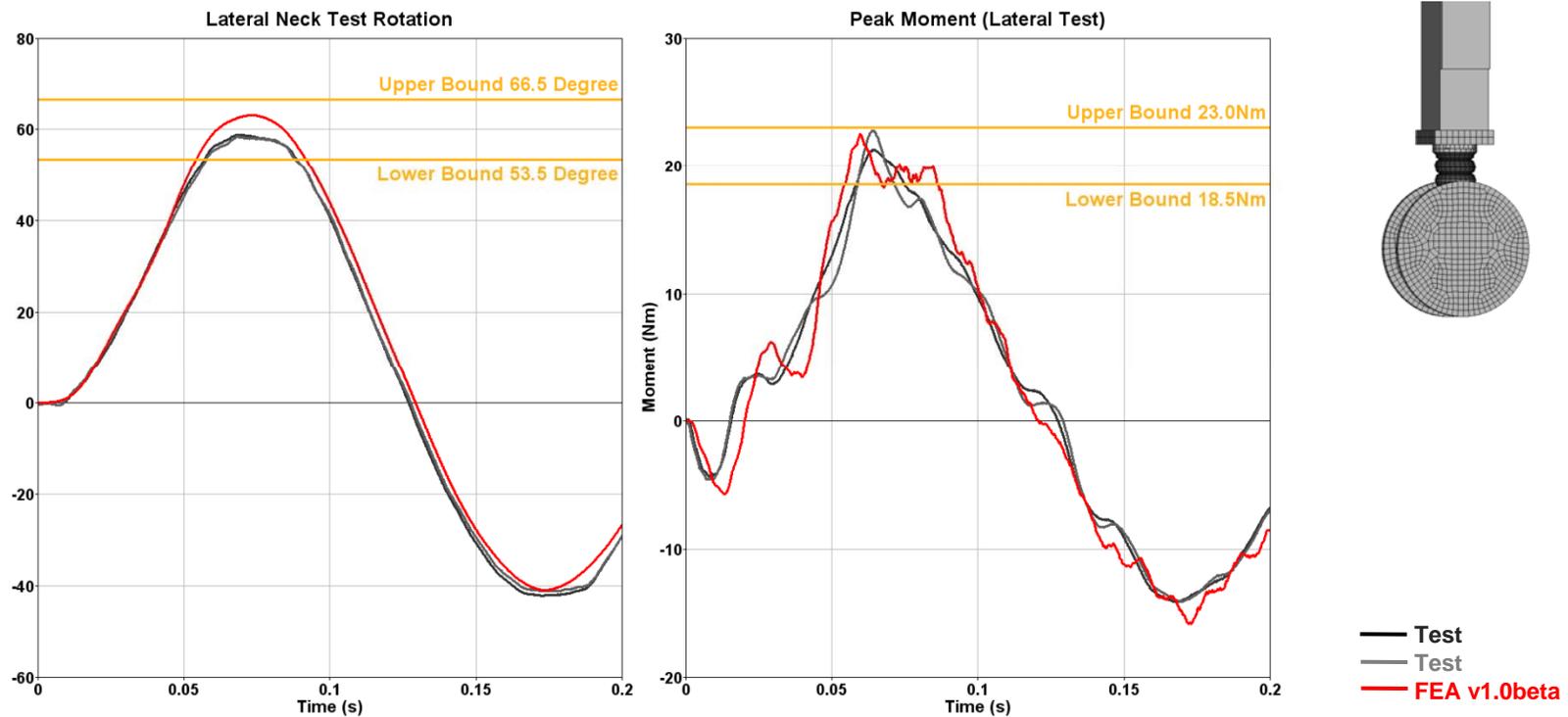
2.3 Neck Pendulum Certification Test

- Certification Test – Frontal



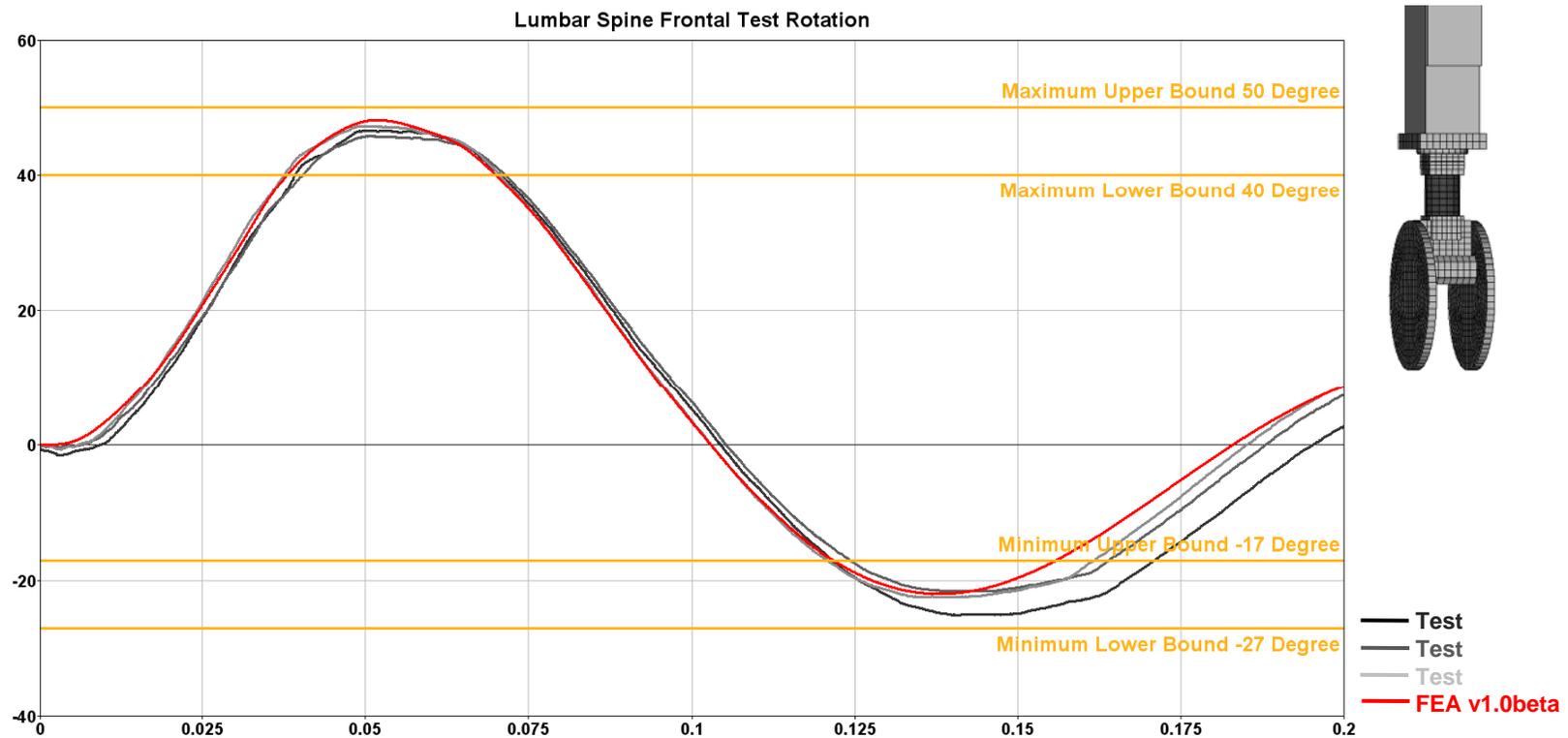
2.3 Neck Pendulum Certification Test

- Certification Test – Lateral



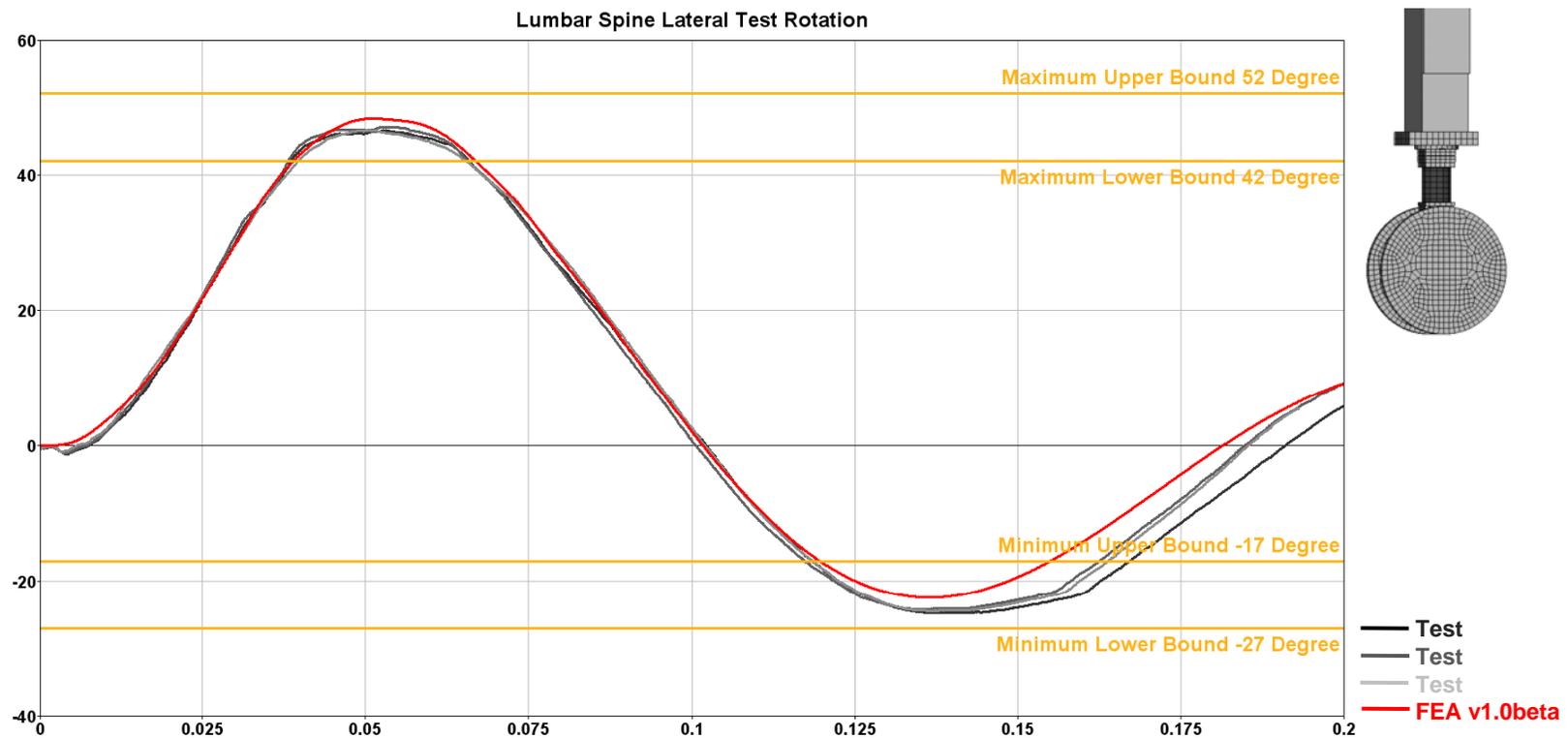
2.4 Lumbar Spine Pendulum Certification Test

- Certification Test – Frontal



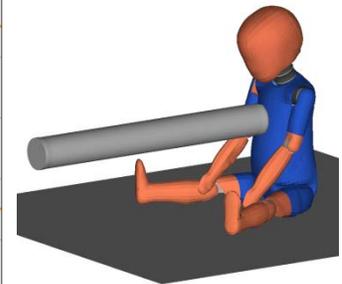
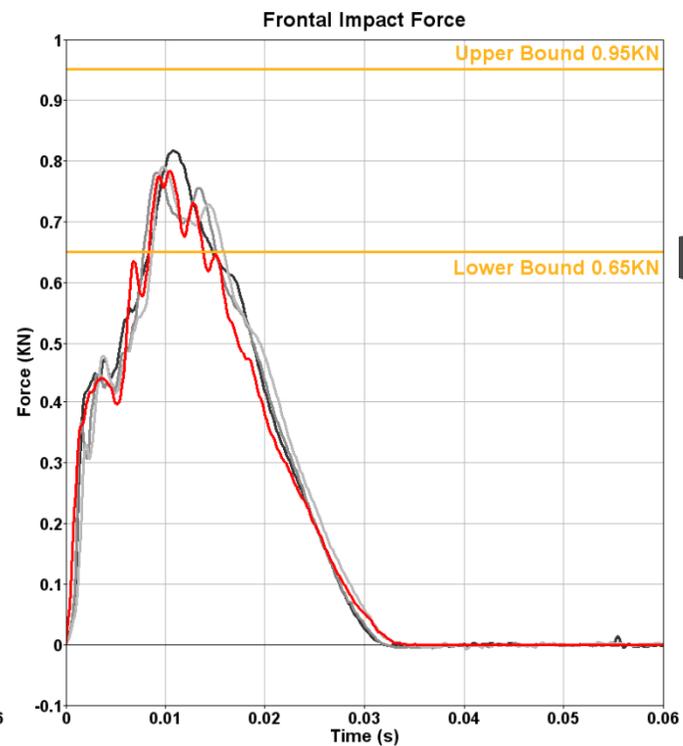
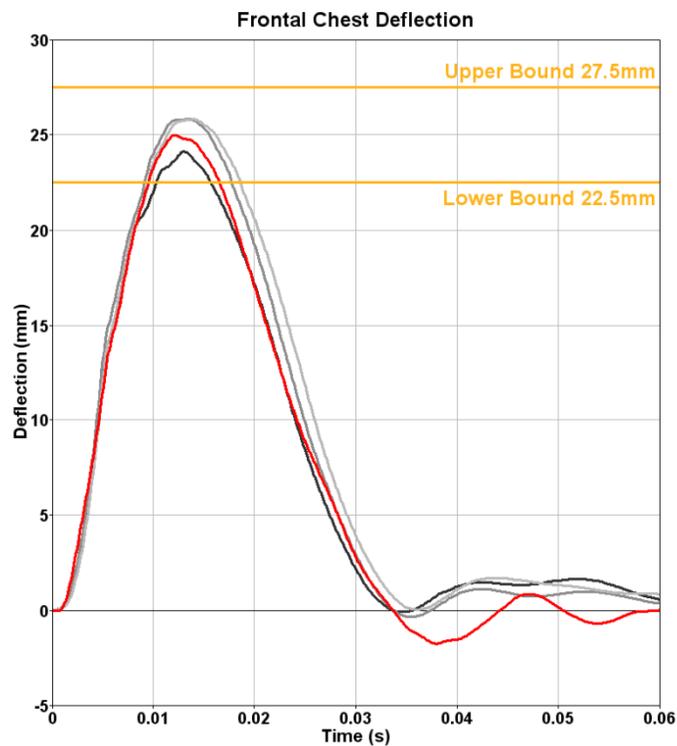
2.4 Lumbar Spine Pendulum Certification Test

- Certification Test – Lateral



3.2 Frontal Impact Thorax Certification Test

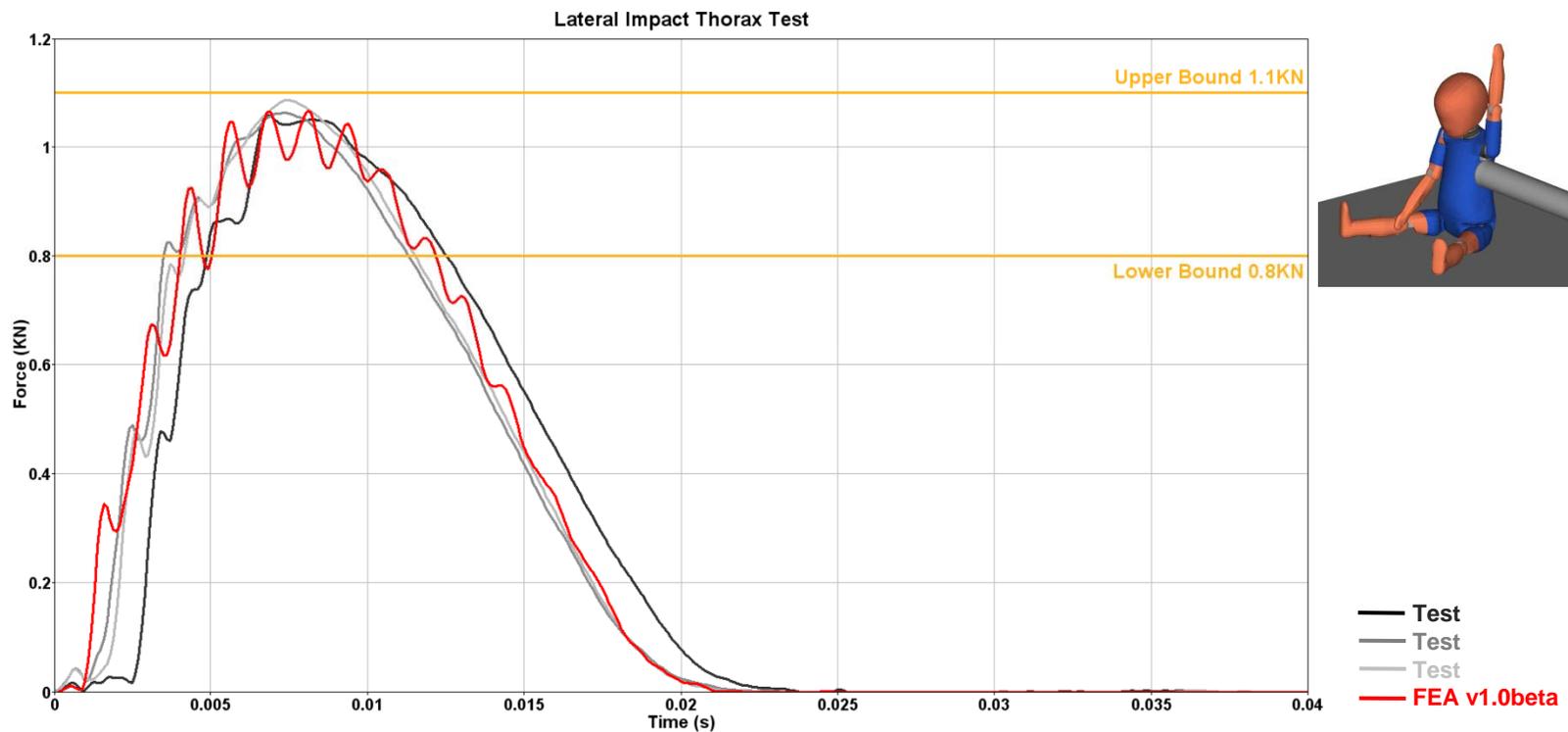
- Certification Test - Speed 4.3 m/s



— Test
— Test
— Test
— FEA v1.0beta

3.3 Lateral Impact Thorax Certification Test

- Certification Test - Speed 4.3 m/s



4.1 Virtual Rigid Wall Impact Test

- Virtual rigid wall test – speed 8.0 m/s to verify FEA dummy model’s numerical stability

