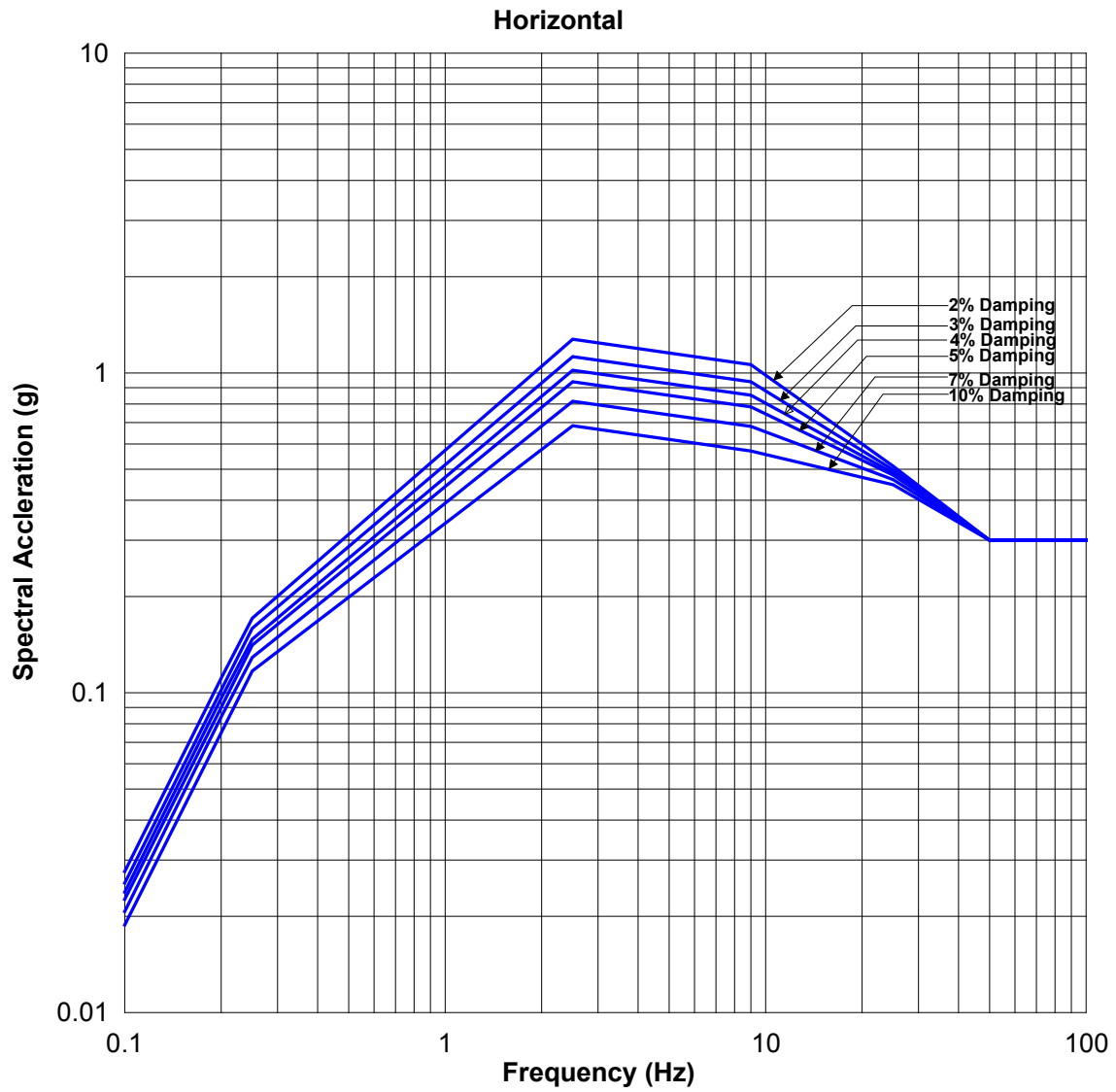


## APR1400 DCD TIER 2



**Figure 3.7-1 Horizontal CSDRS**

## APR1400 DCD TIER 2

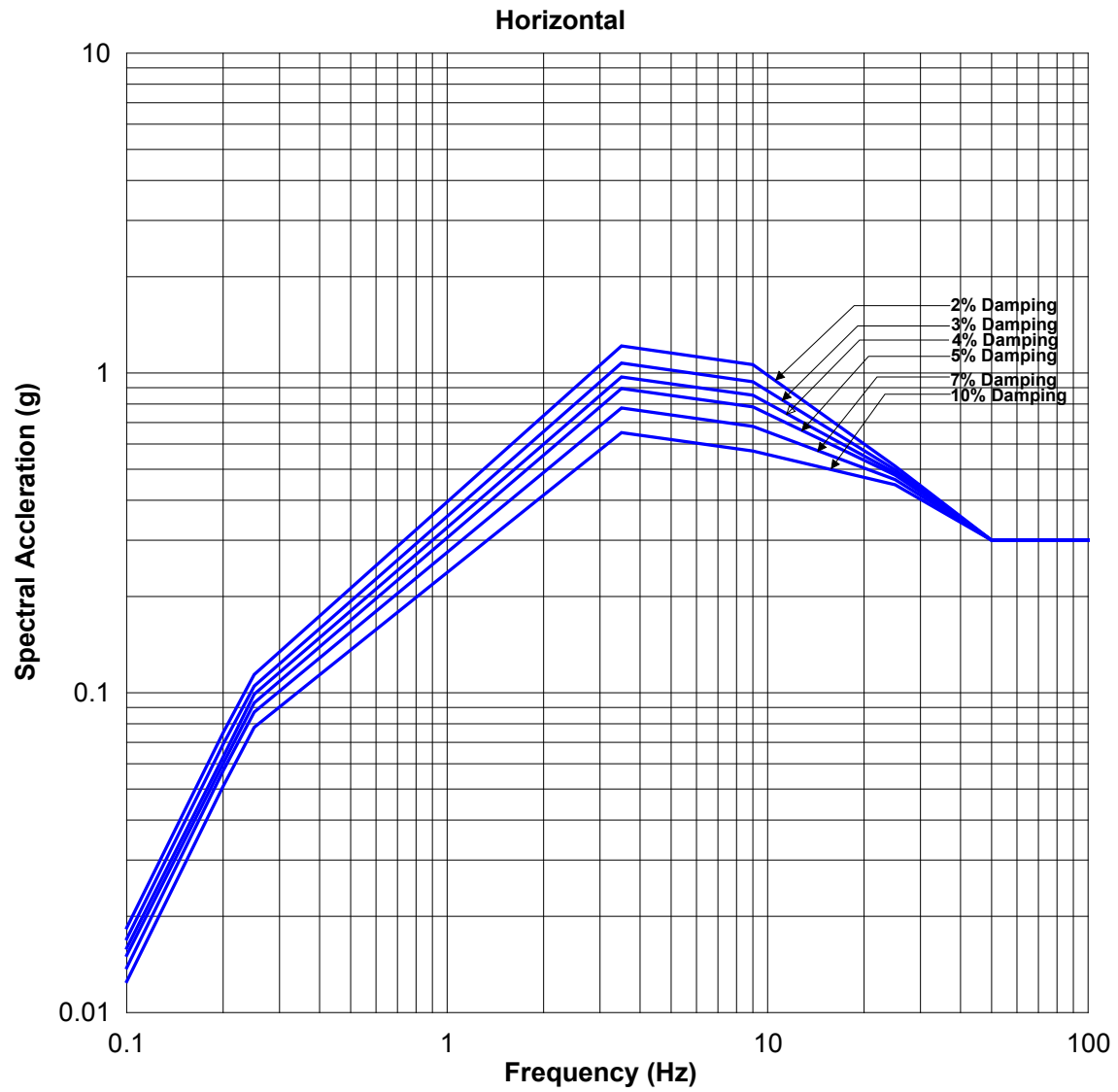


Figure 3.7-2 Vertical CSDRS

## APR1400 DCD TIER 2

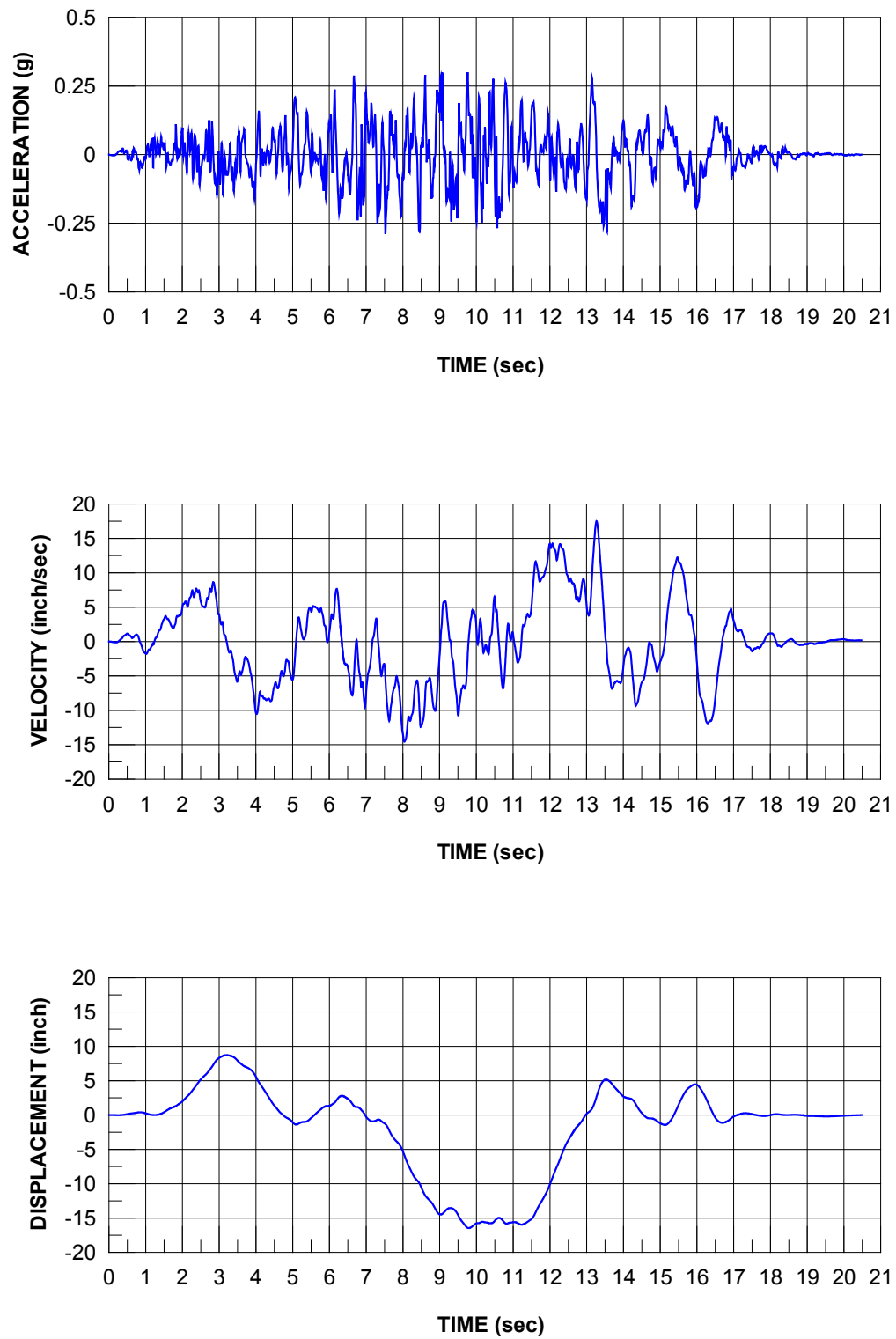


Figure 3.7-3 Acceleration, Velocity, and Displacement of H1 Design Ground Motion

## APR1400 DCD TIER 2

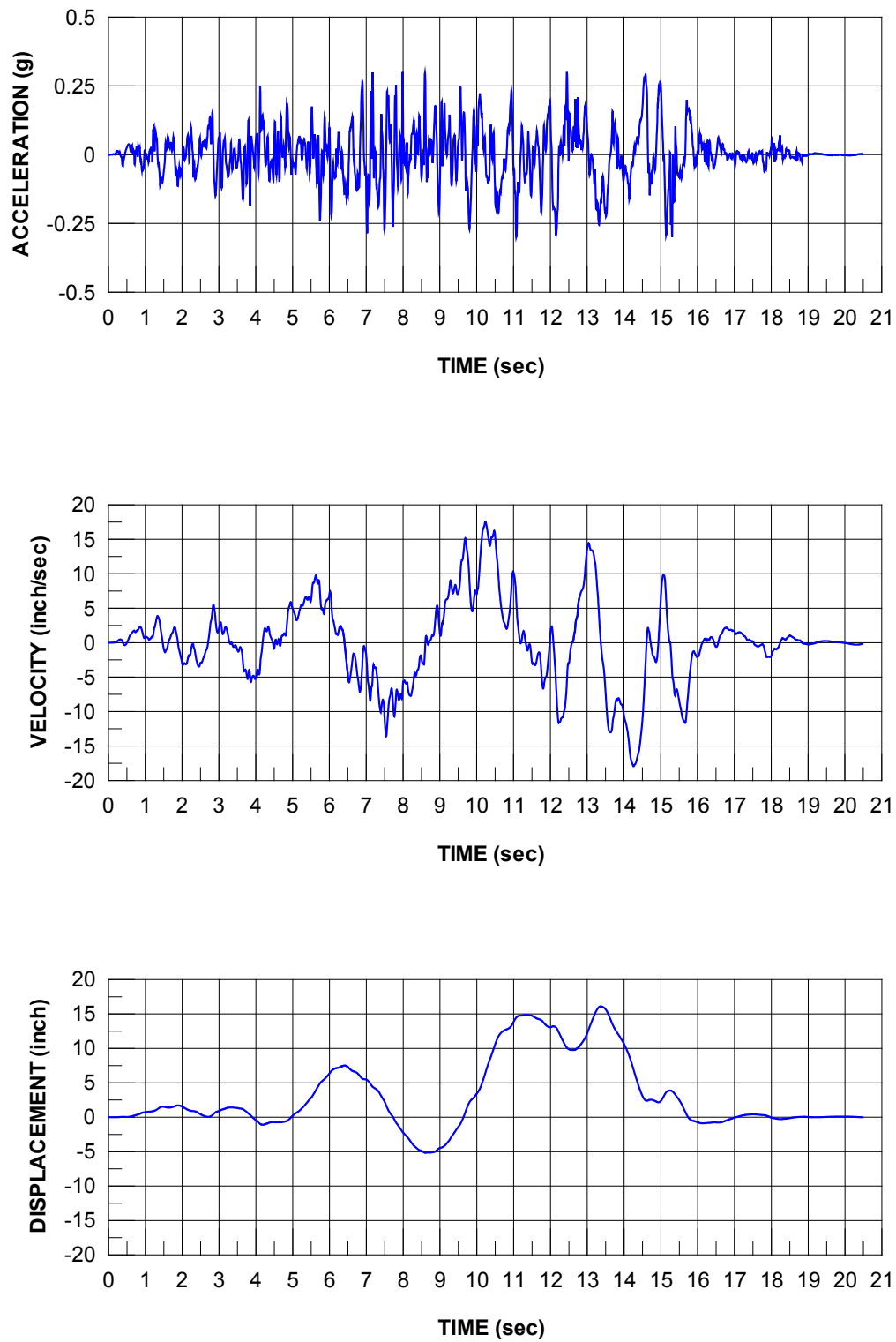


Figure 3.7-4 Acceleration, Velocity, and Displacement of H2 Design Ground Motion



## APR1400 DCD TIER 2

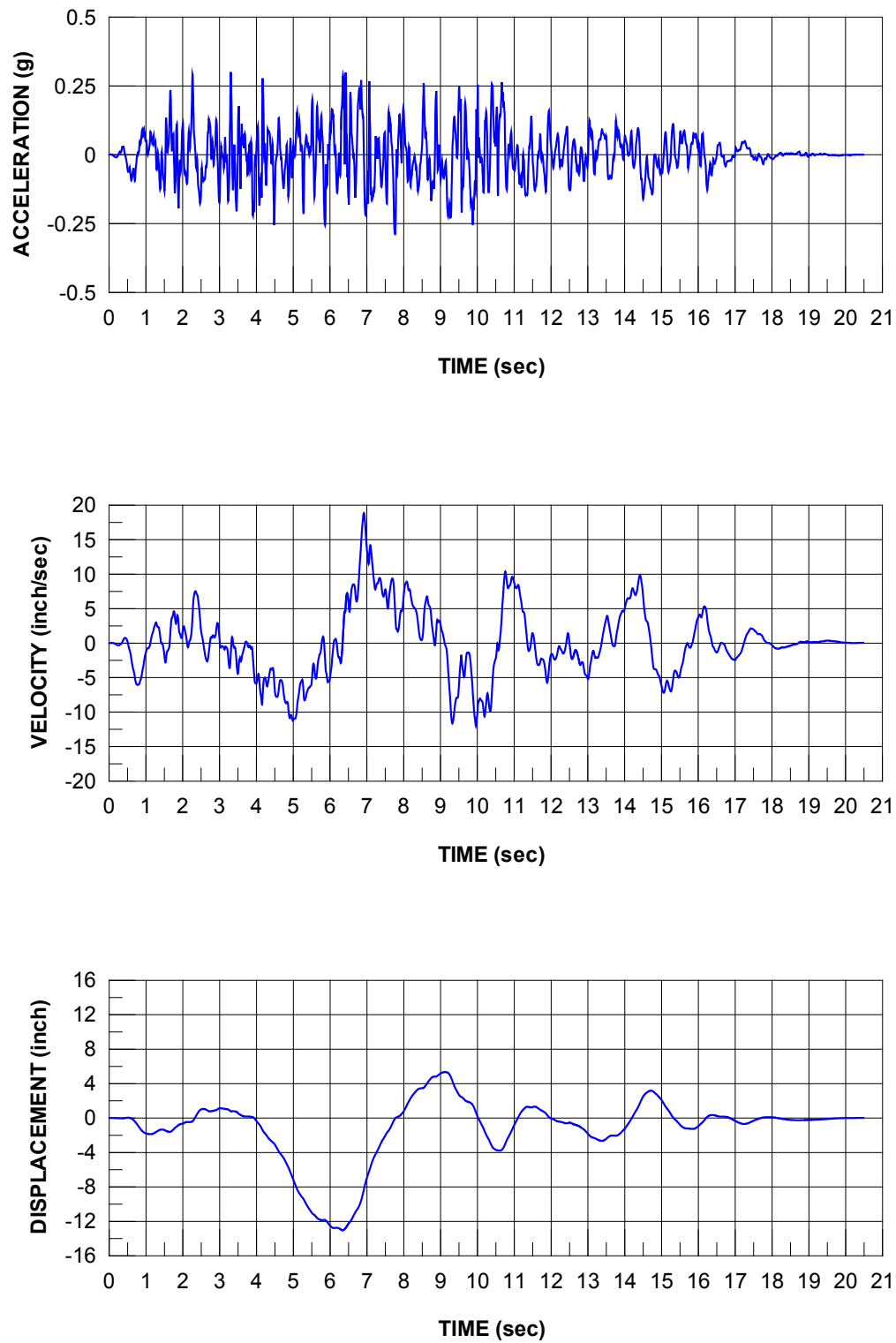
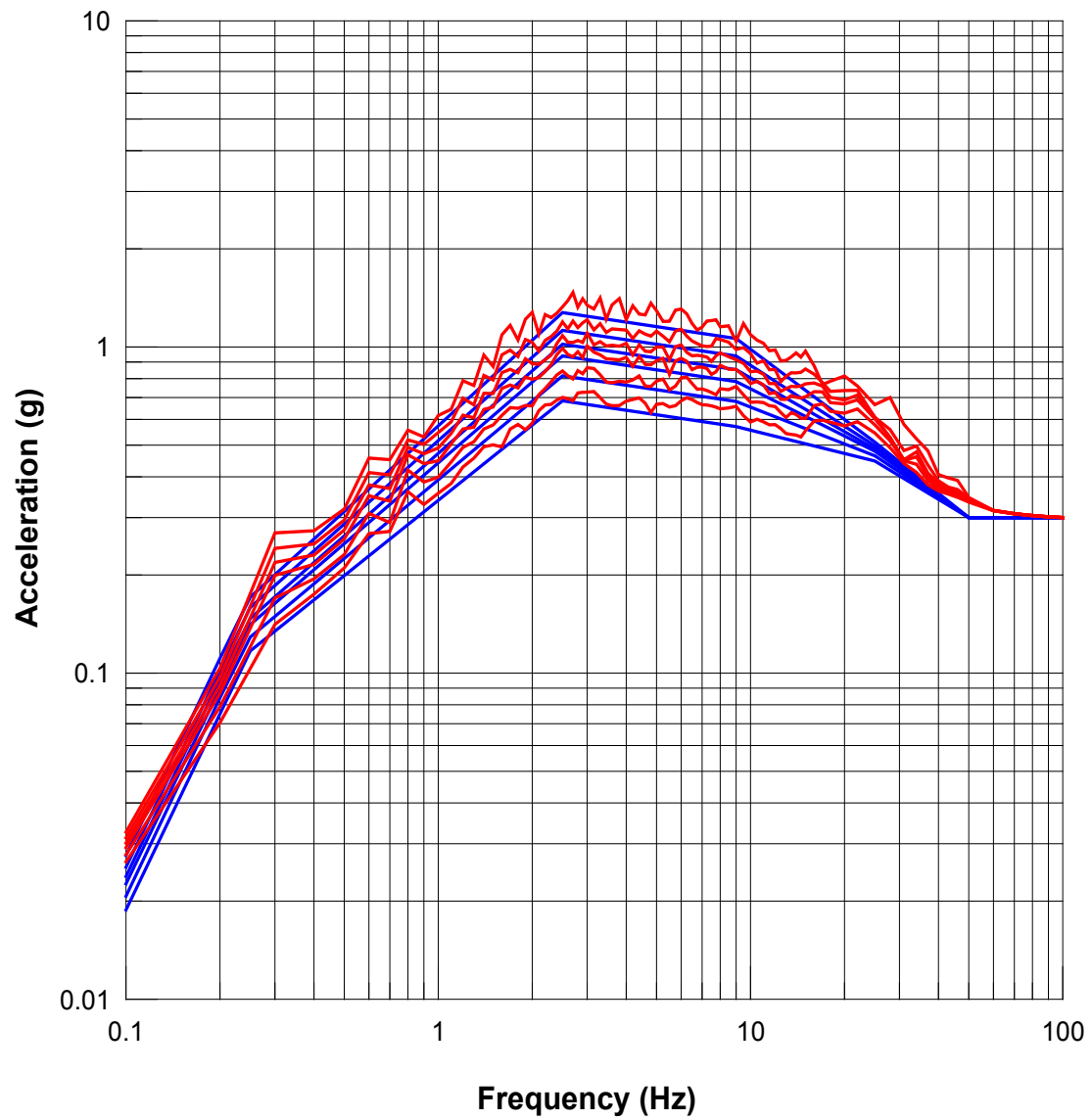


Figure 3.7-5 Acceleration, Velocity, and Displacement of VT Design Ground Motion

## APR1400 DCD TIER 2



**Figure 3.7-6 Comparison of Response Spectra of H1 Design Ground Motion and CSDRS**

## APR1400 DCD TIER 2

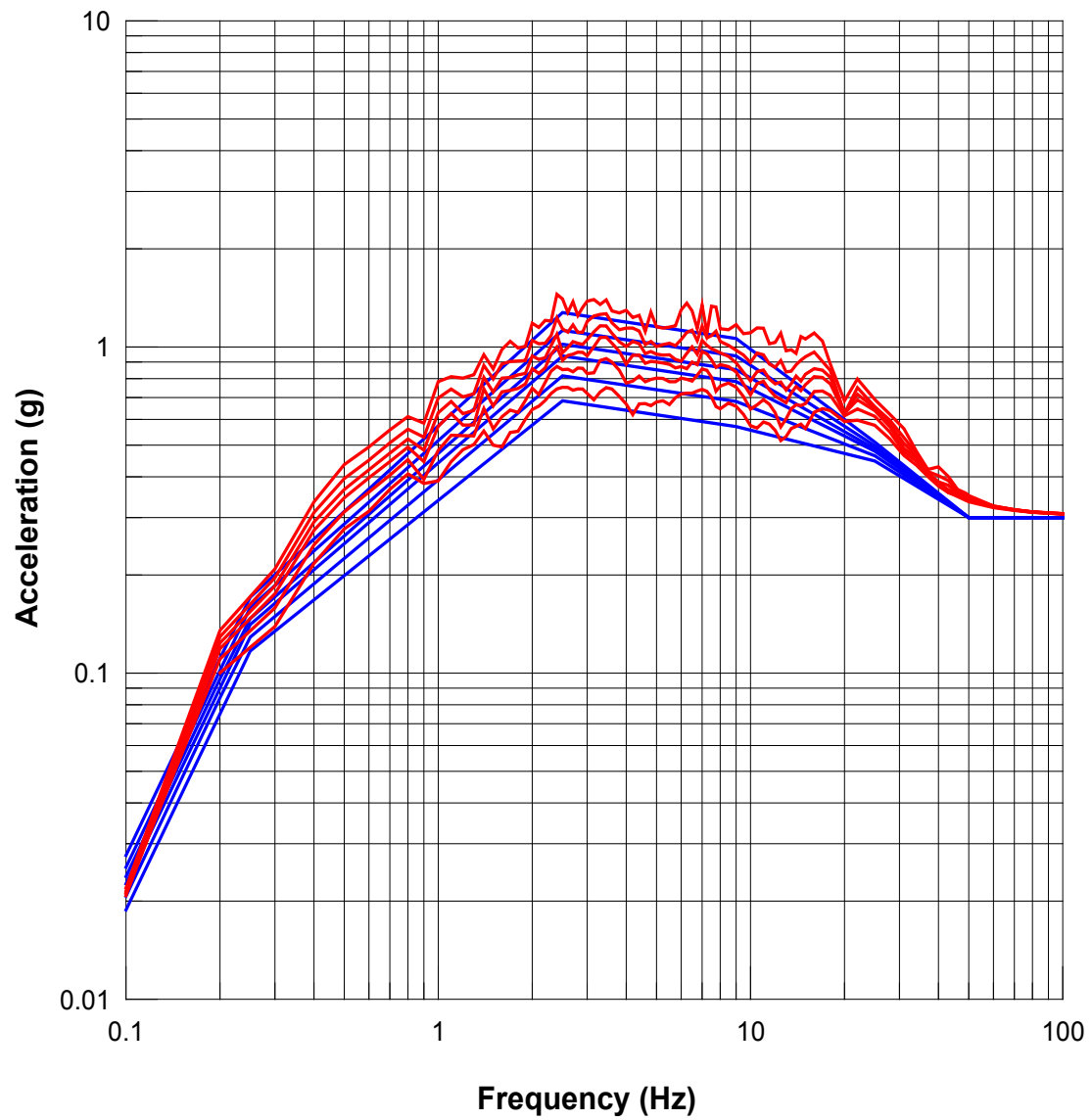


Figure 3.7-7 Comparison of Response Spectra of H2 Design Ground Motion and CSDRS

## APR1400 DCD TIER 2

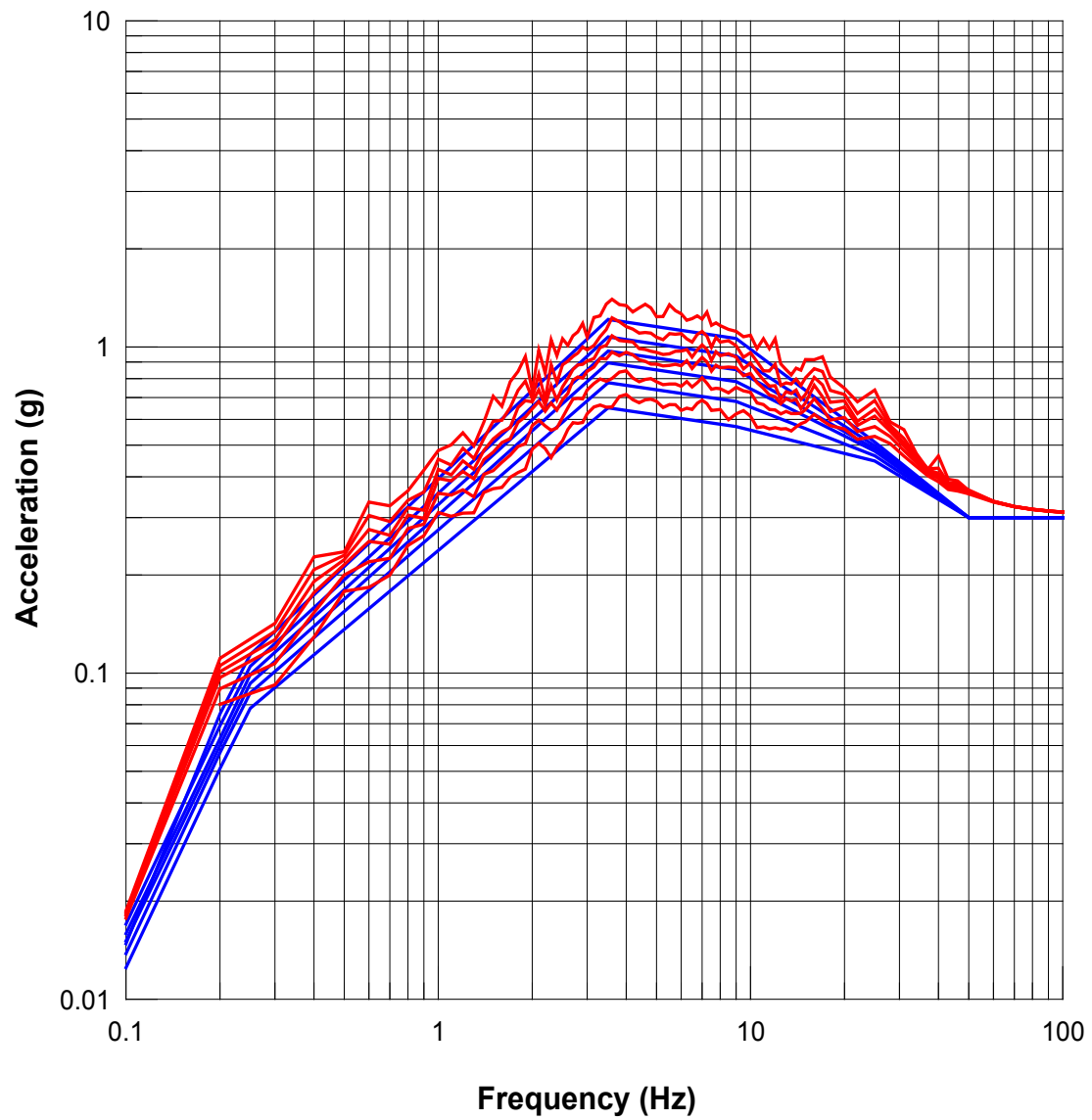
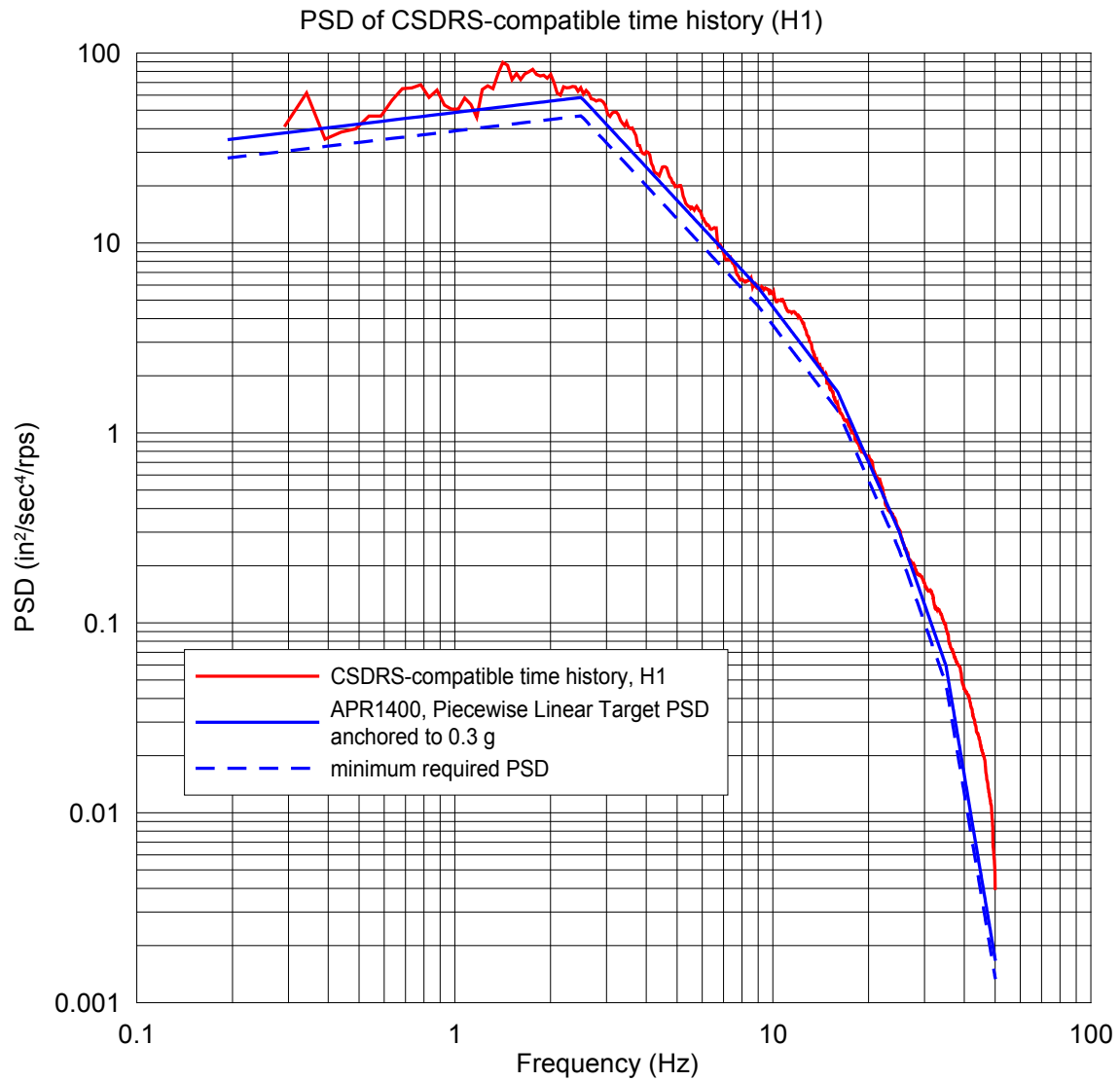


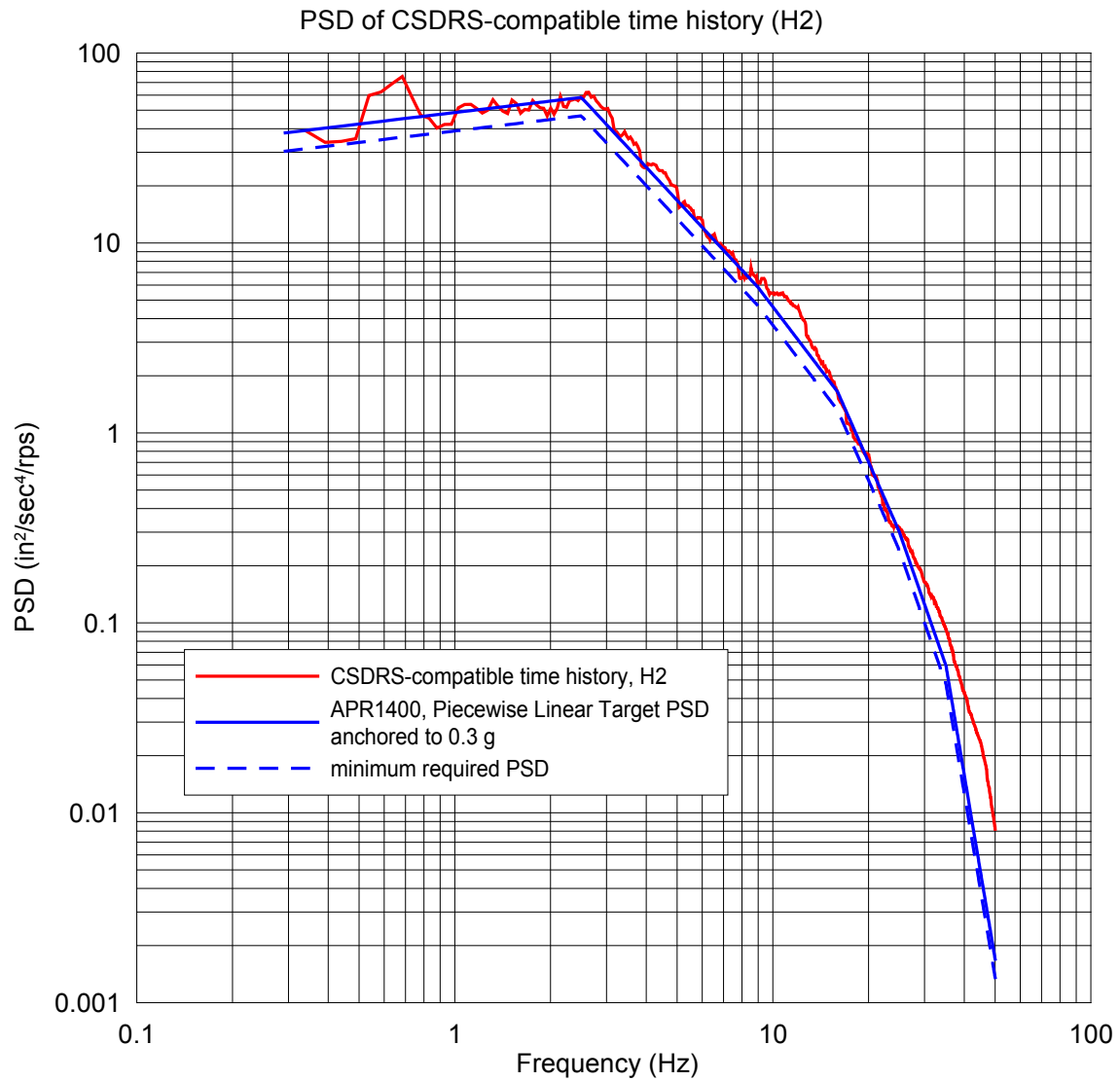
Figure 3.7-8 Comparison of Response Spectra of VT Design Ground Motion and CSDRS

## APR1400 DCD TIER 2



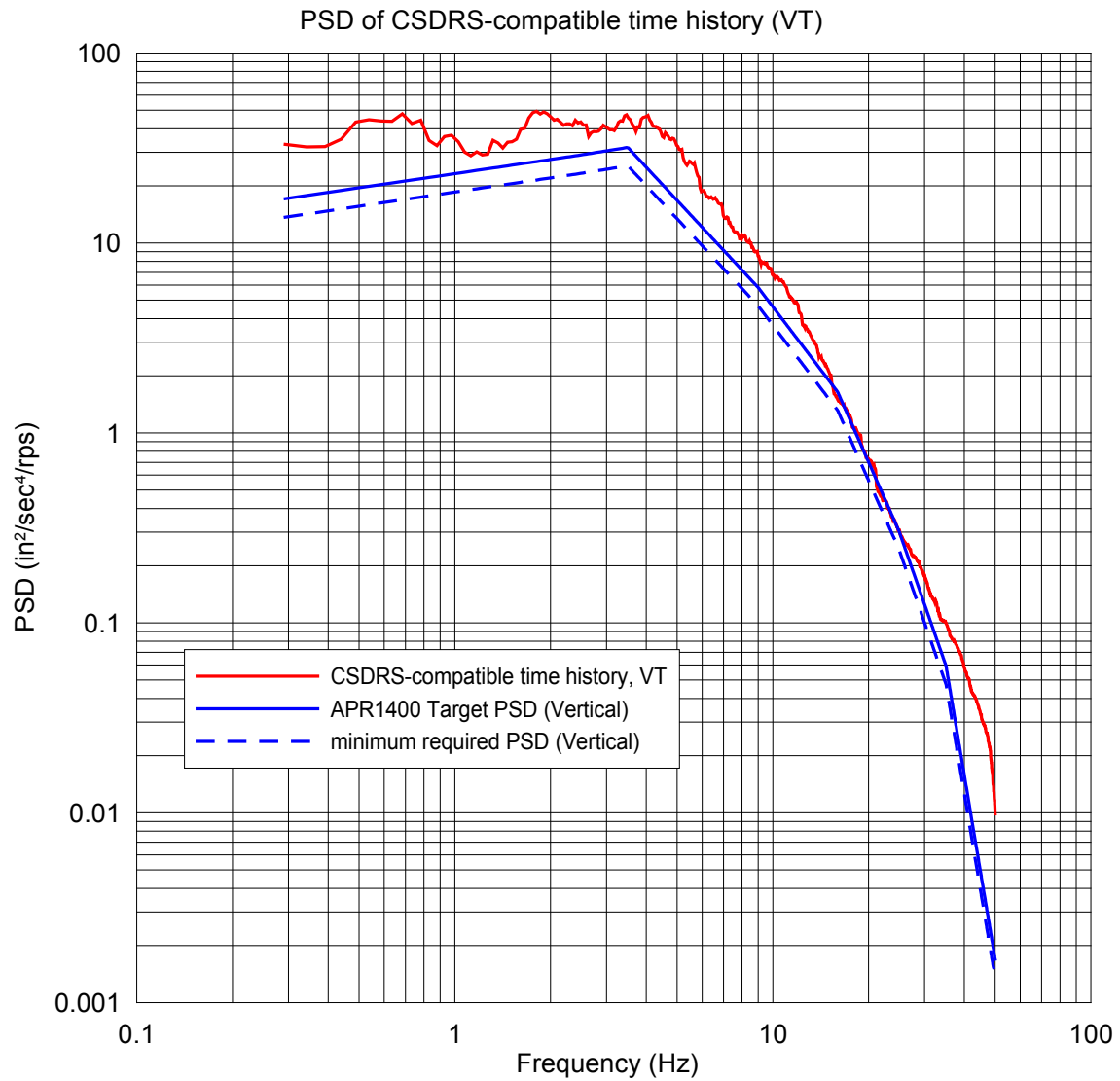
**Figure 3.7-9 Comparison of PSD of H1 Design Ground Motion and Target PSD and Minimum Required PSD**

## APR1400 DCD TIER 2



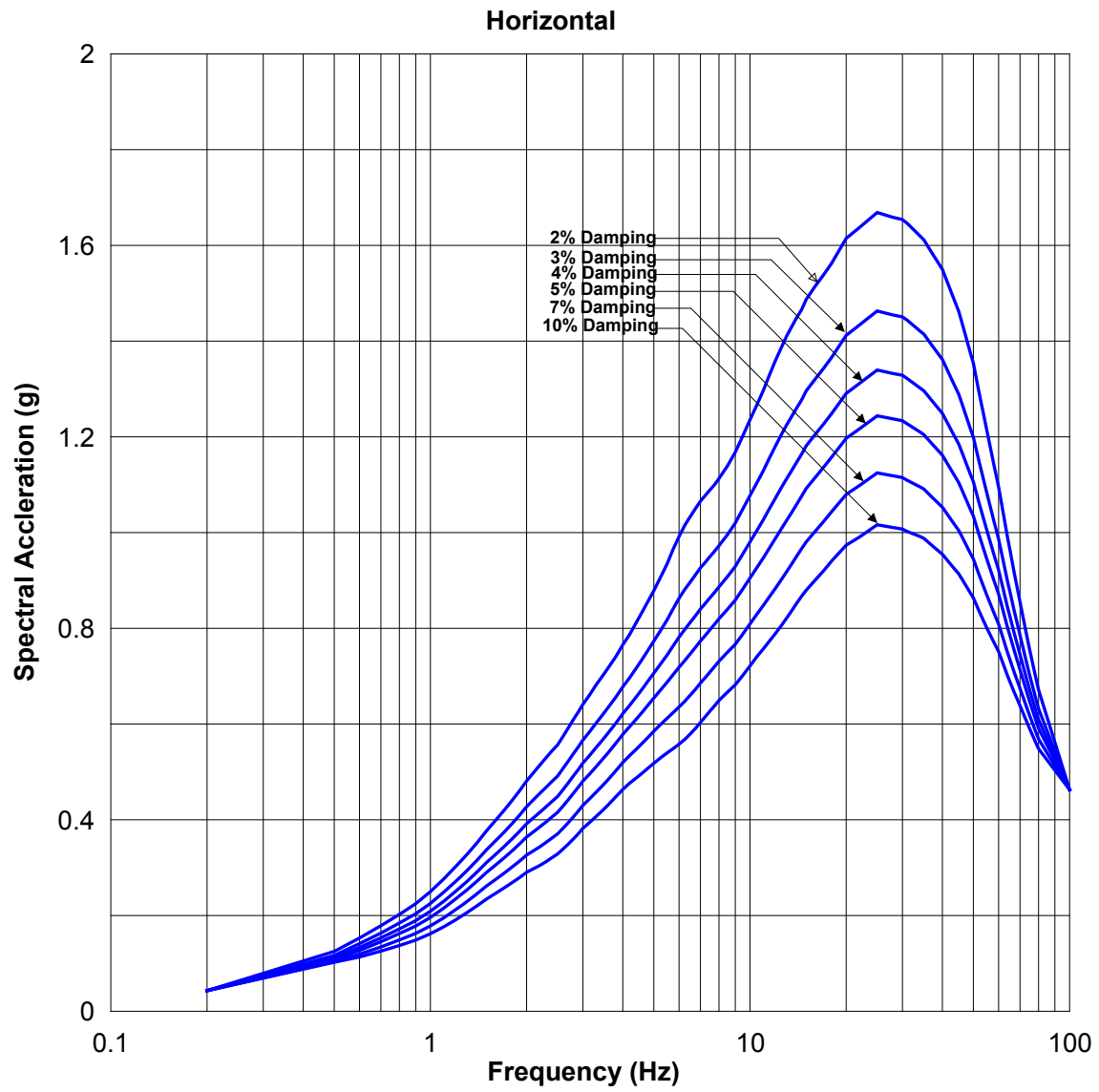
**Figure 3.7-10 Comparison of PSD of H2 Design Ground Motion and Target PSD and Minimum Required PSD**

## APR1400 DCD TIER 2



**Figure 3.7-11 Comparison of PSD of VT Design Ground Motion and Target PSD and Minimum Required PSD**

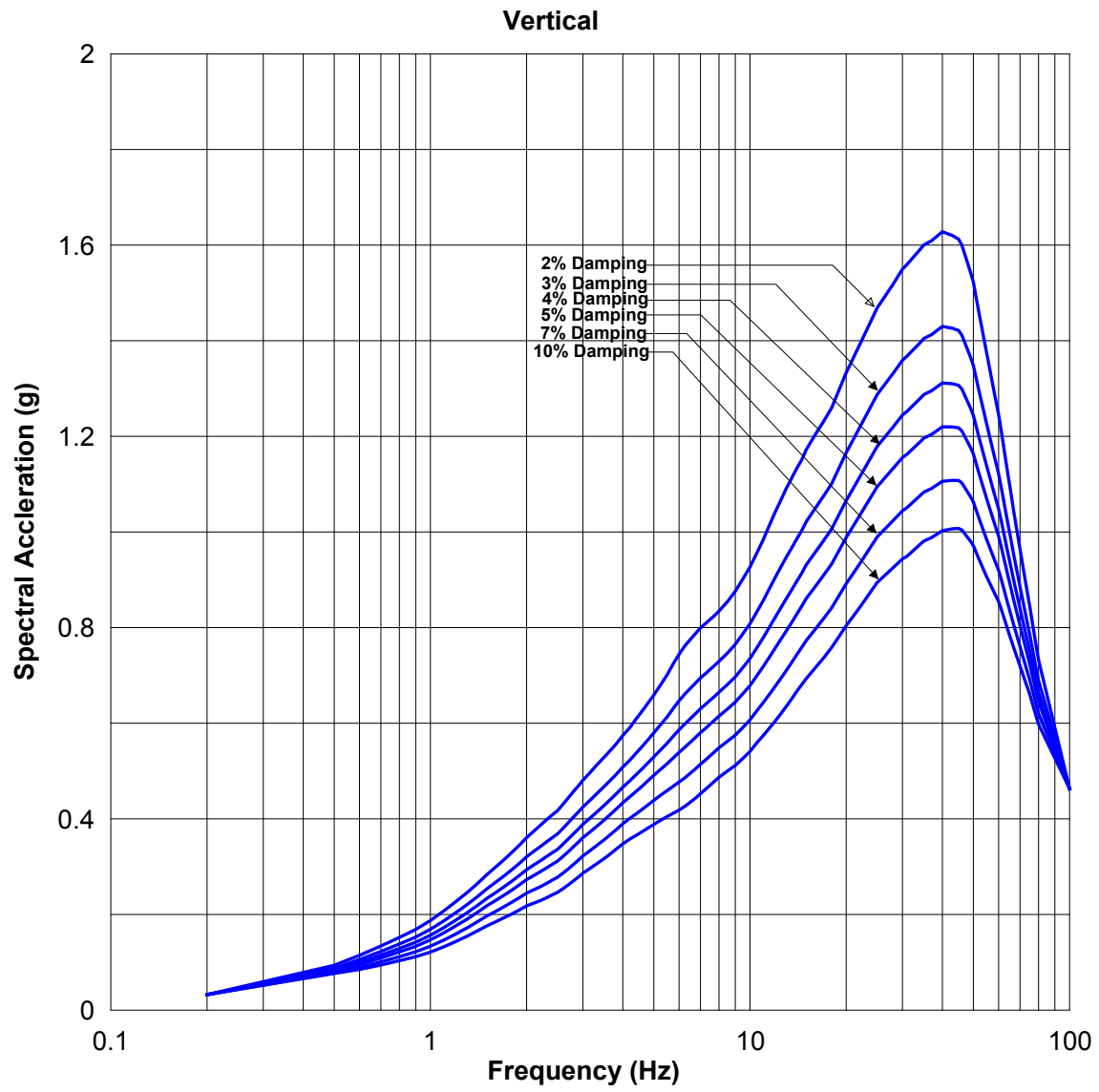
## APR1400 DCD TIER 2



**Figure 3.7-12 HRHF Horizontal Target Response Spectra**



## APR1400 DCD TIER 2



**Figure 3.7-13 HRHF Vertical Target Response Spectra**

## APR1400 DCD TIER 2

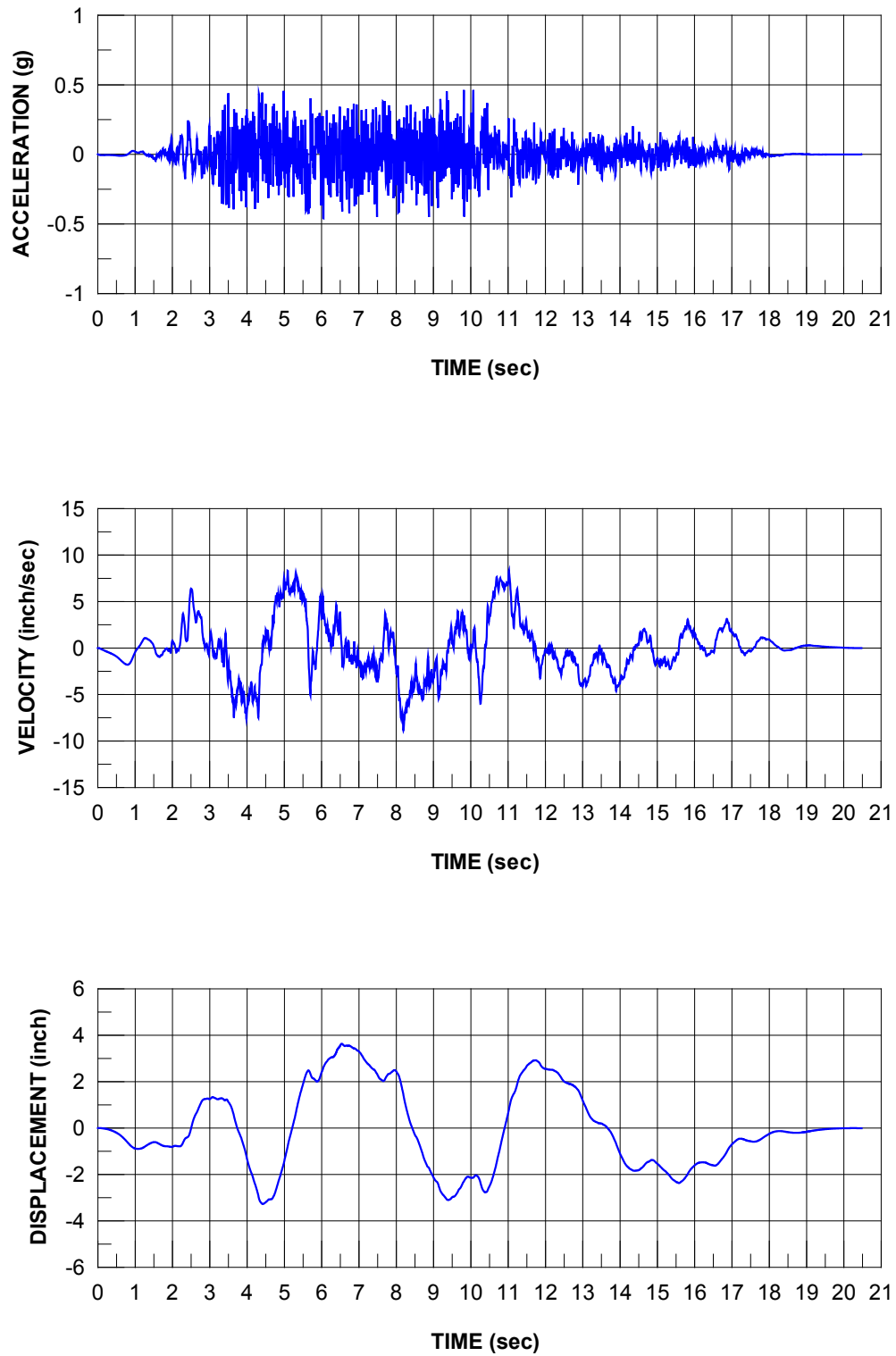


Figure 3.7-14 Acceleration, Velocity, and Displacement of H1H for HRHF

## APR1400 DCD TIER 2

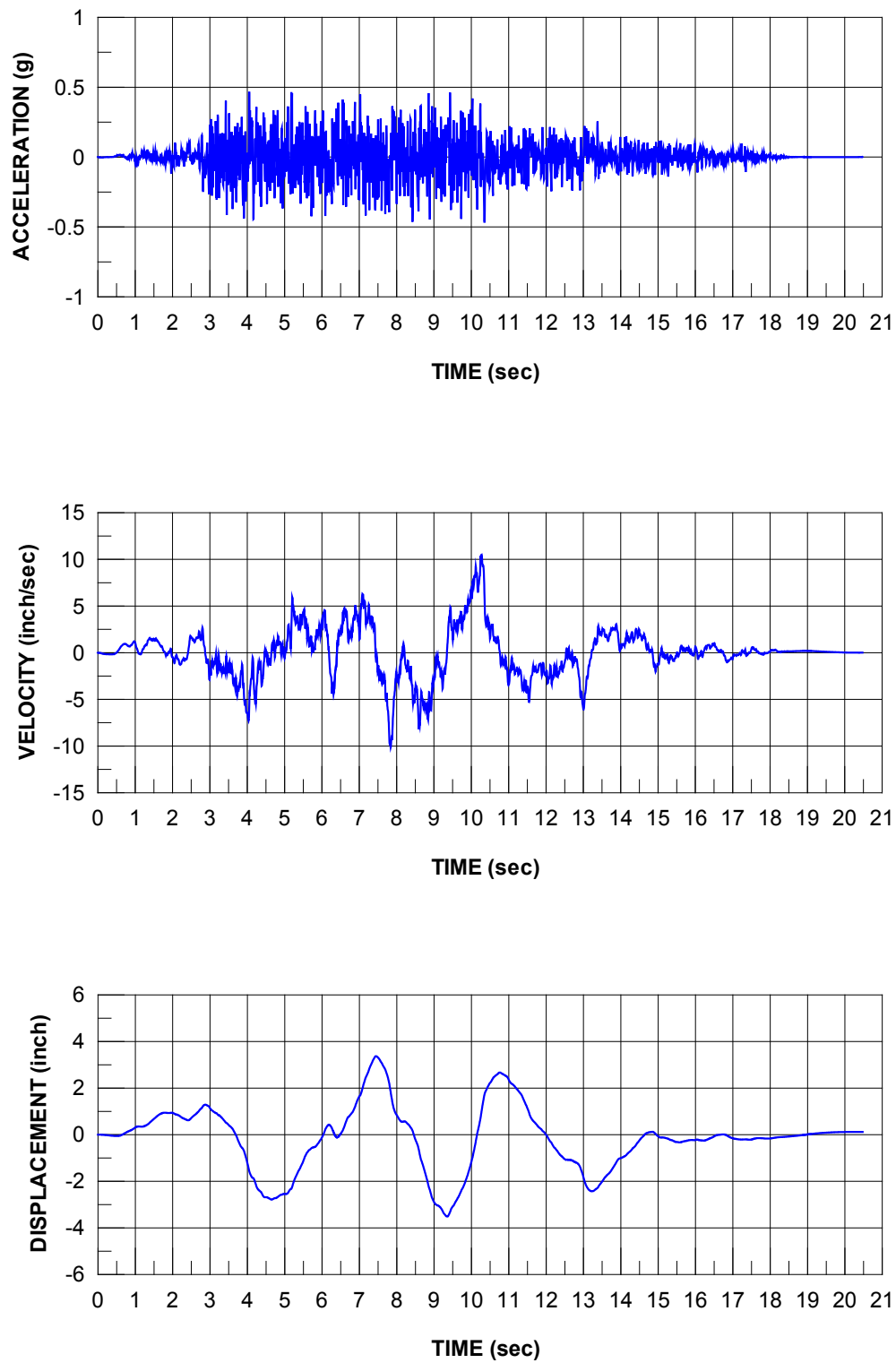


Figure 3.7-15 Acceleration, Velocity, and Displacement of H2H for HRHF

## APR1400 DCD TIER 2

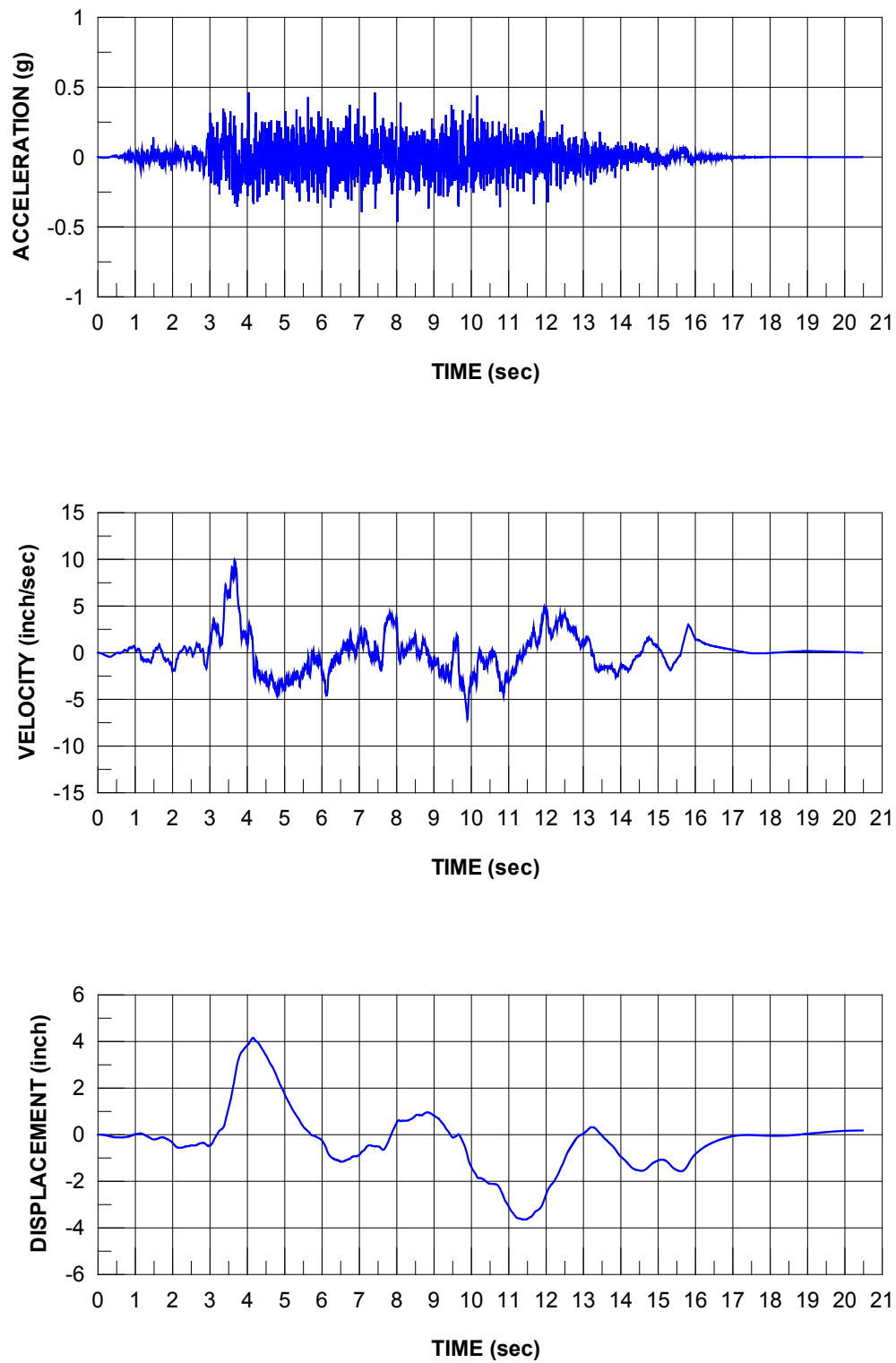
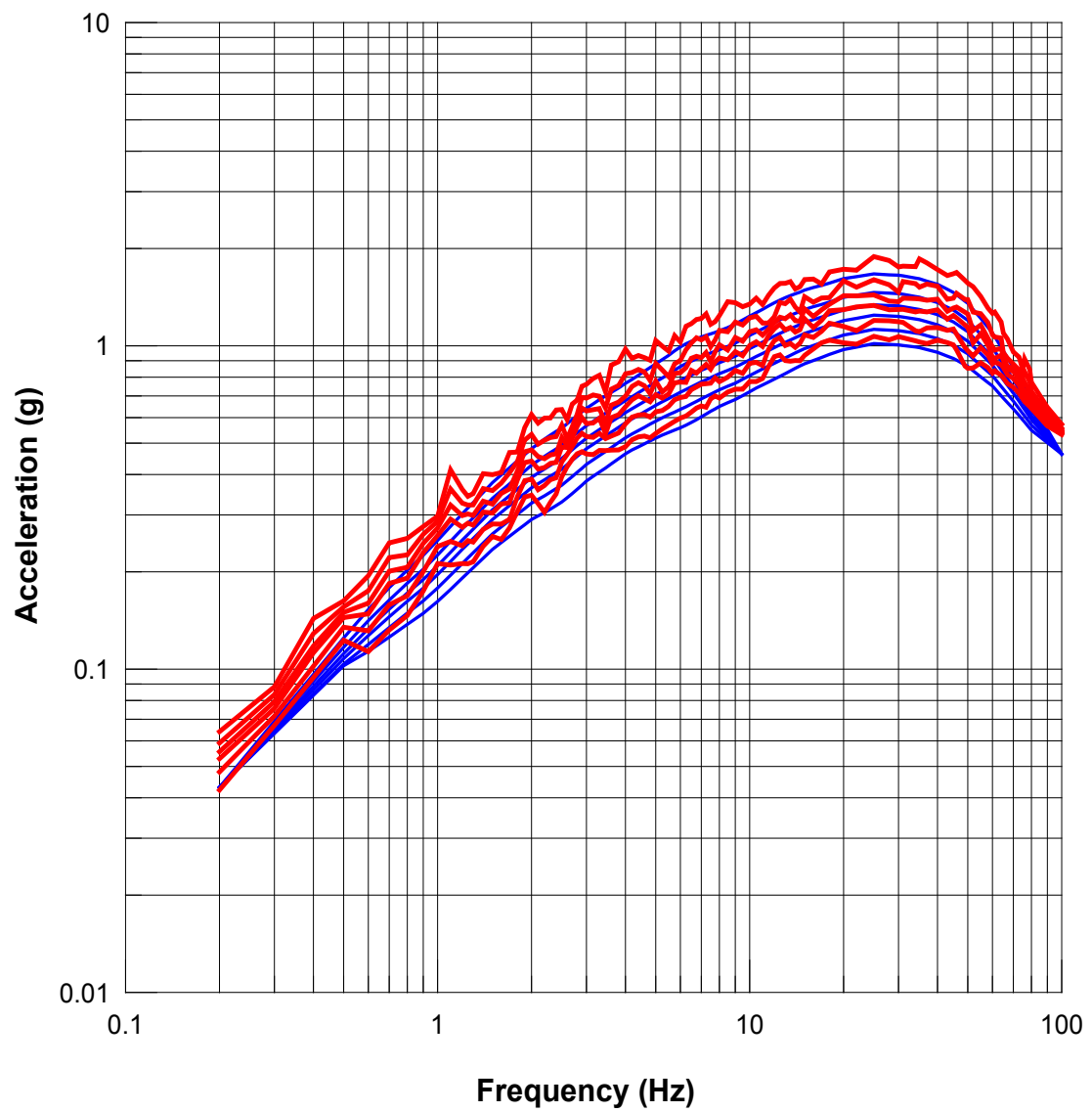


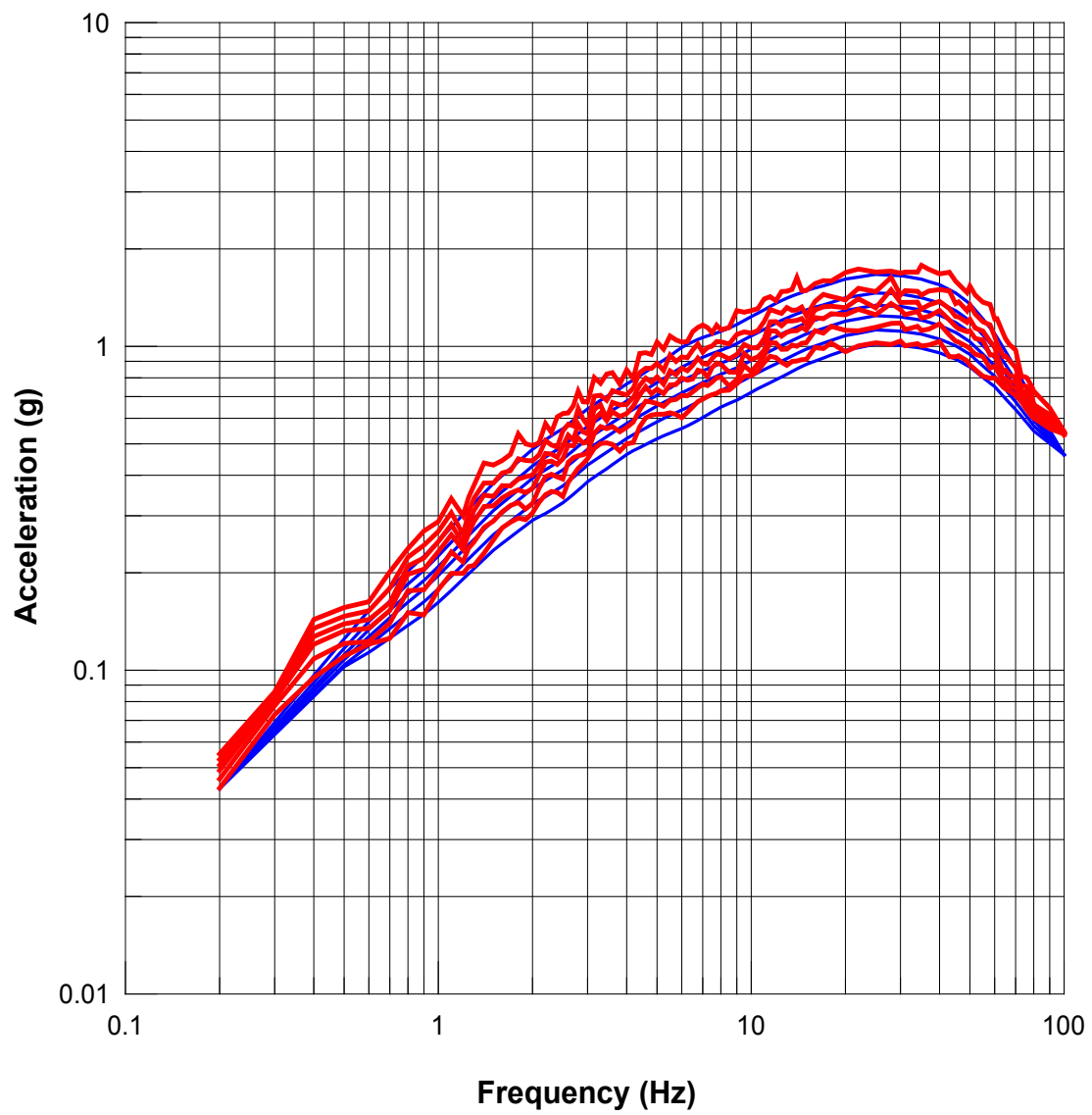
Figure 3.7-16 Acceleration, Velocity, and Displacement of VTH for HRHF

## APR1400 DCD TIER 2



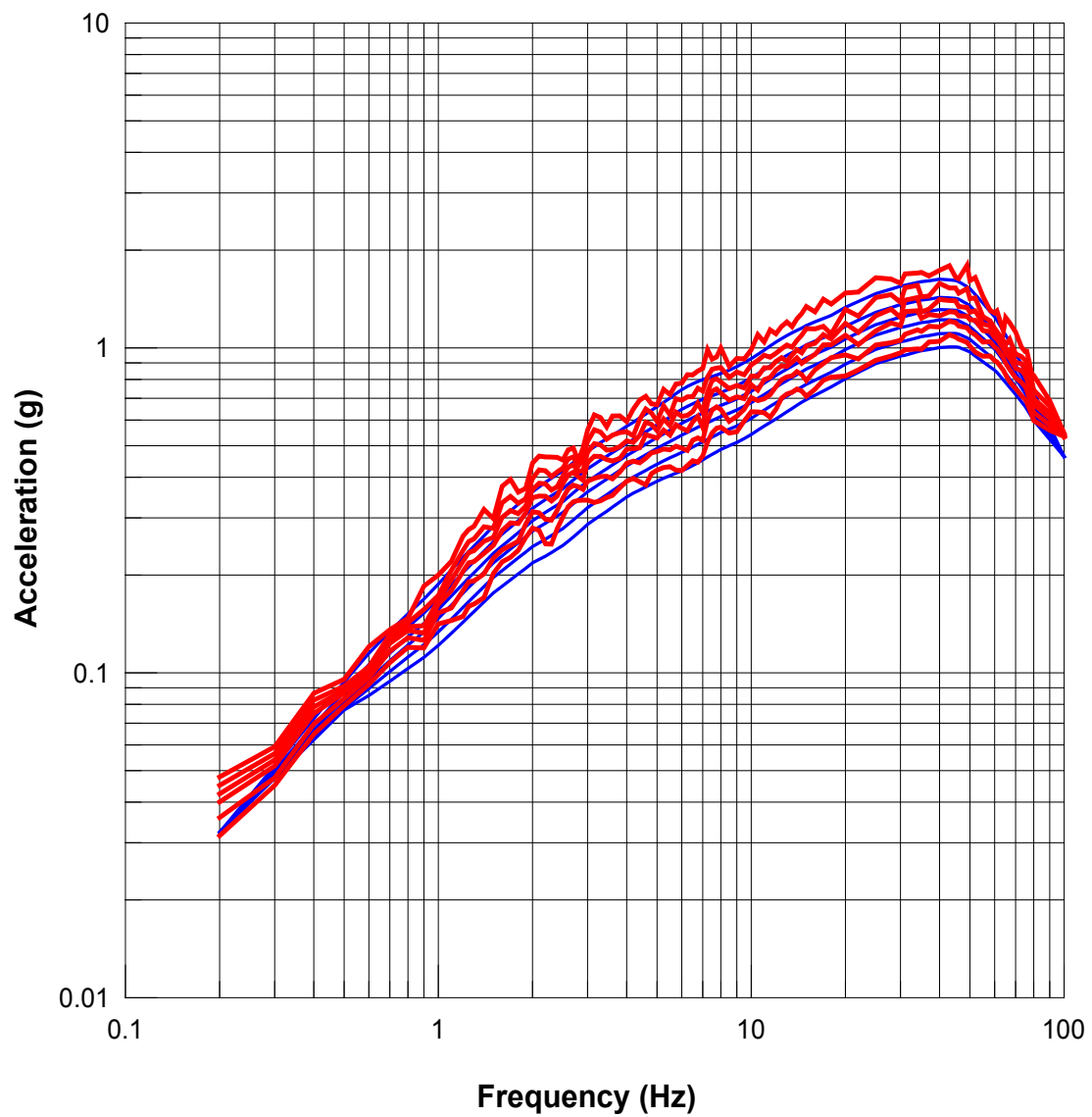
**Figure 3.7-17 Comparison of Response Spectra of H1H and HRHF Horizontal Target Design Spectra**

## APR1400 DCD TIER 2



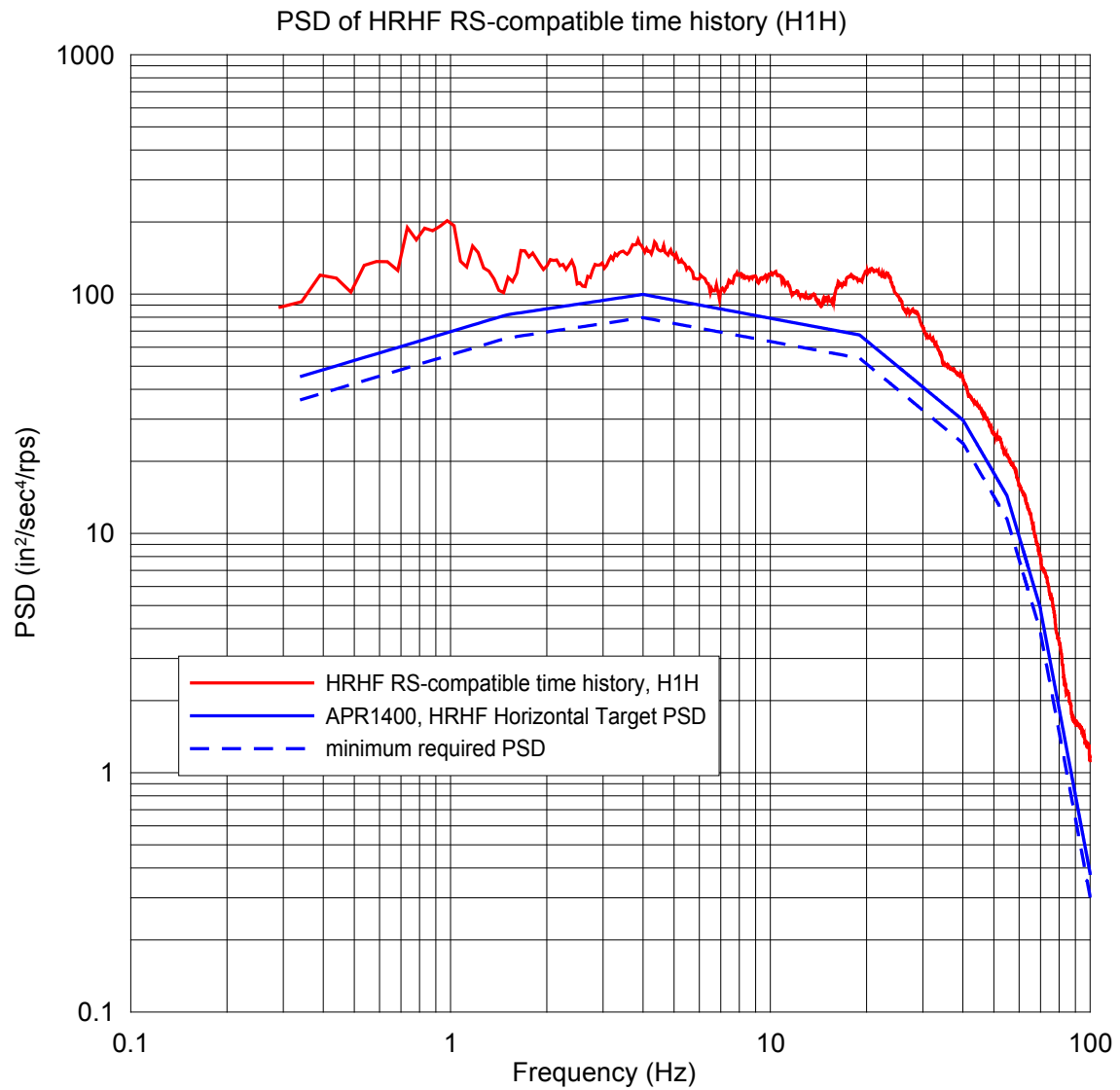
**Figure 3.7-18 Comparison of Response Spectra of H2H and HRHF Horizontal Target Design Spectra**

## APR1400 DCD TIER 2



**Figure 3.7-19 Comparison of Response Spectra of VTH and HRHF Vertical Target Design Spectra**

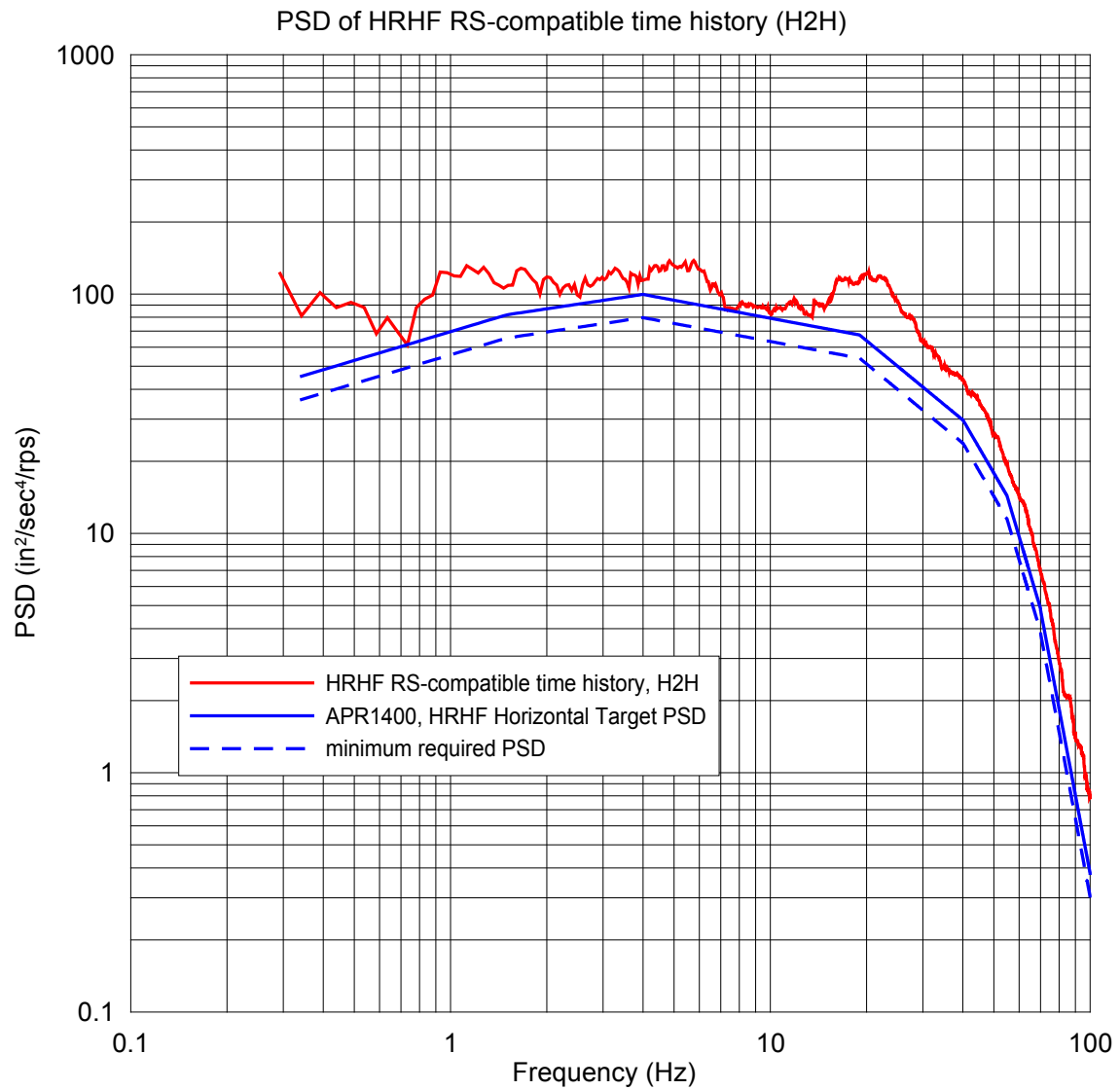
## APR1400 DCD TIER 2



**Figure 3.7-20 Comparison of PSD of H1H and HRHF Target PSD and Minimum Required PSD**

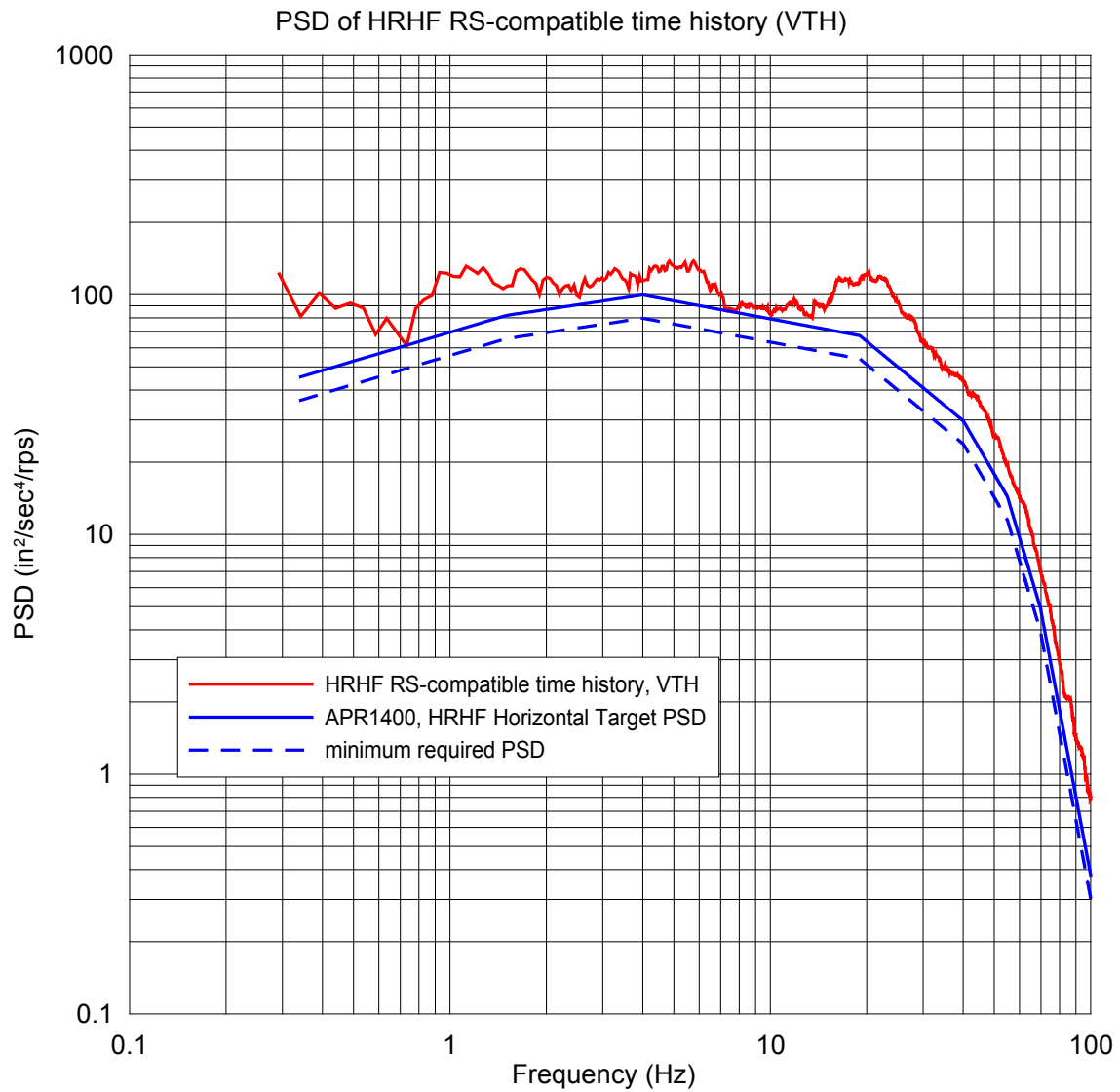


## APR1400 DCD TIER 2



**Figure 3.7-21 Comparison of PSD of H2H and HRHF Target PSD and Minimum Required PSD**

## APR1400 DCD TIER 2



**Figure 3.7-22 Comparison of PSD of VTH and HRHF Target PSD and Minimum Required PSD**

## APR1400 DCD TIER 2

### APR1400 - Preliminary Generic Soil Profiles

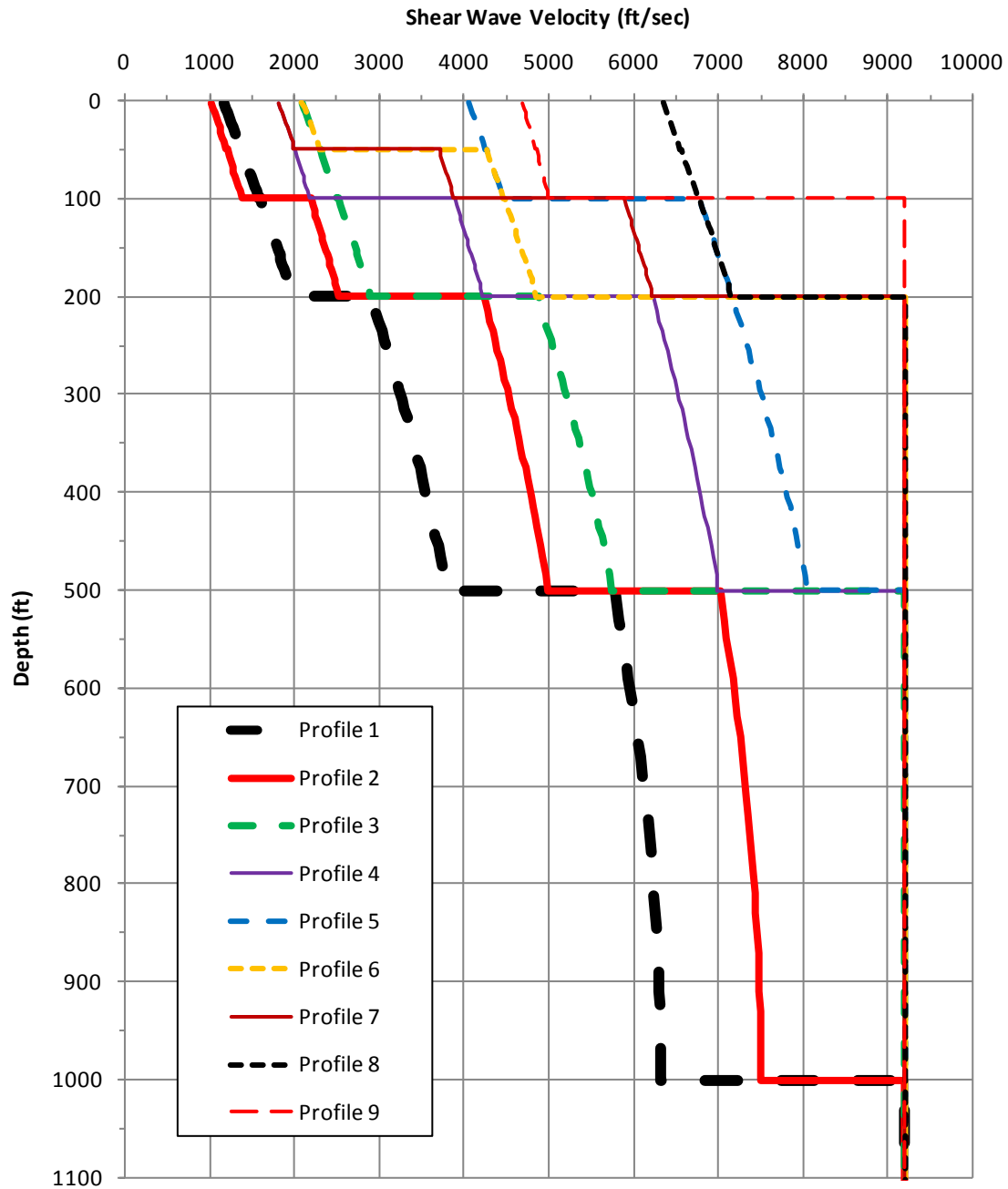


Figure 3.7-23 Generic Soil Profiles Proposed for APR1400 Standard Design

**Security-Related Information – Withheld Under 10 CFR 2.390**

**Figure 3.7-24 Finite Element Model of Reactor Containment Building Containment Structure**

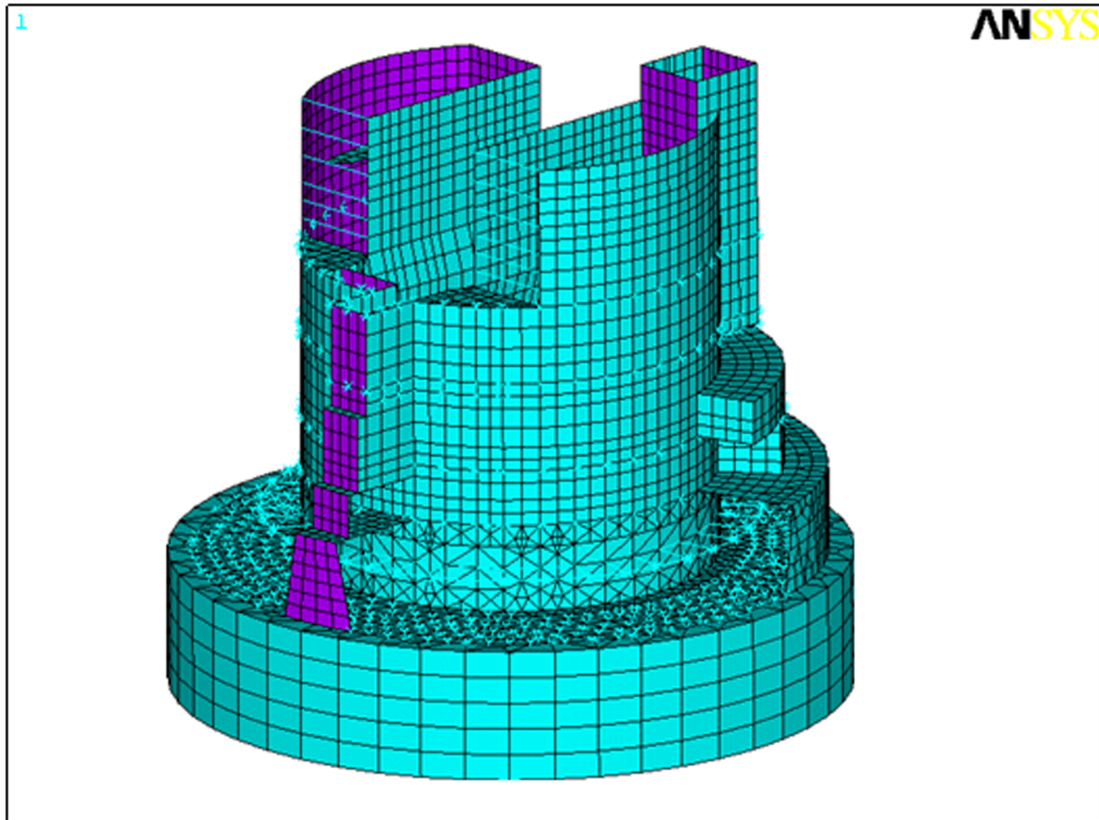
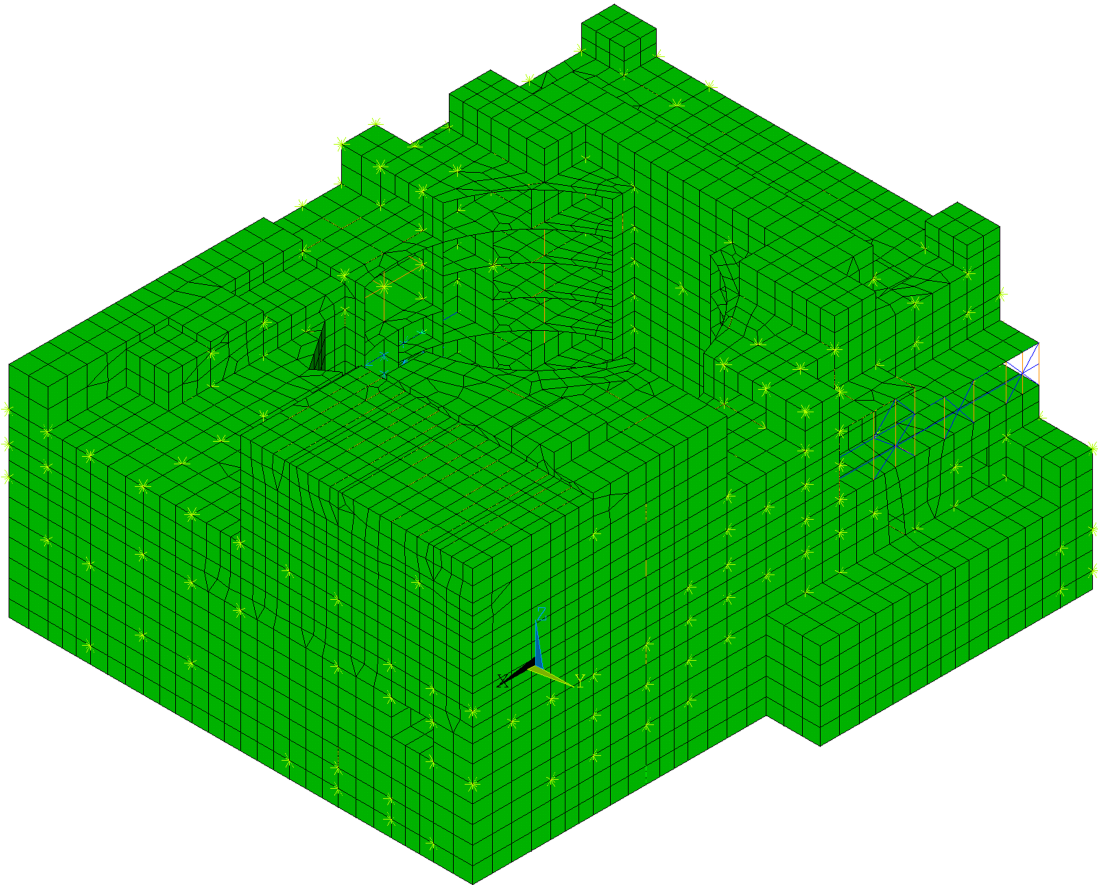


Figure 3.7-25 Finite Element Model of Reactor Containment Building Internal Structures



**Figure 3.7-26 Finite Element Model of Auxiliary Building**