

# ALLEGATO VIII

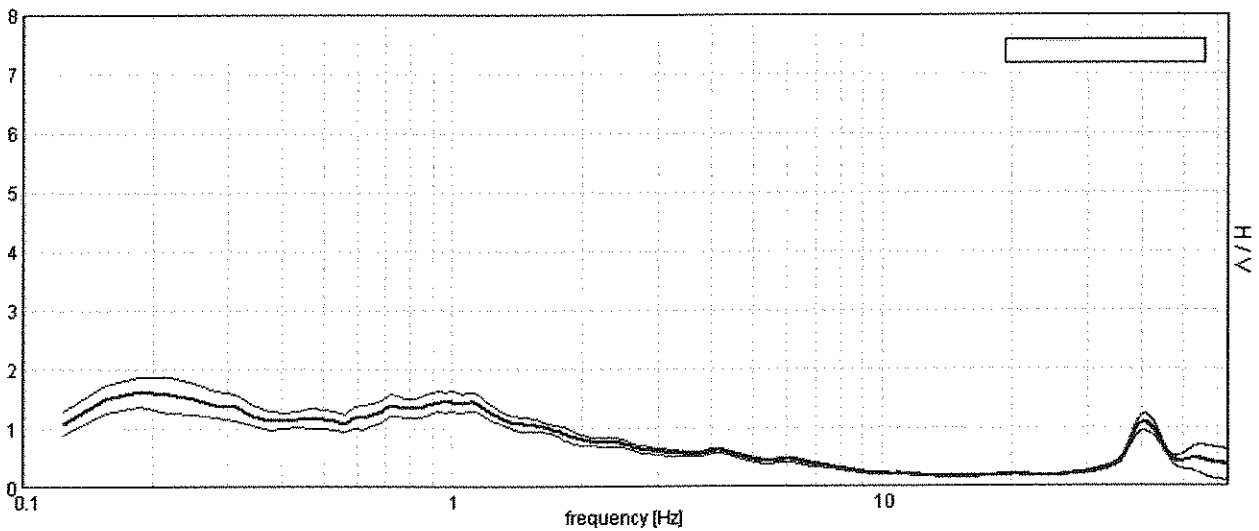
## SAN BENEDETTO DEL TRONTO

Start recording: 14/03/11 10:56:20    End recording: 14/03/11 11:16:21  
Channel labels: NORTH SOUTH; EAST WEST ; UP DOWN  
GPS data not available

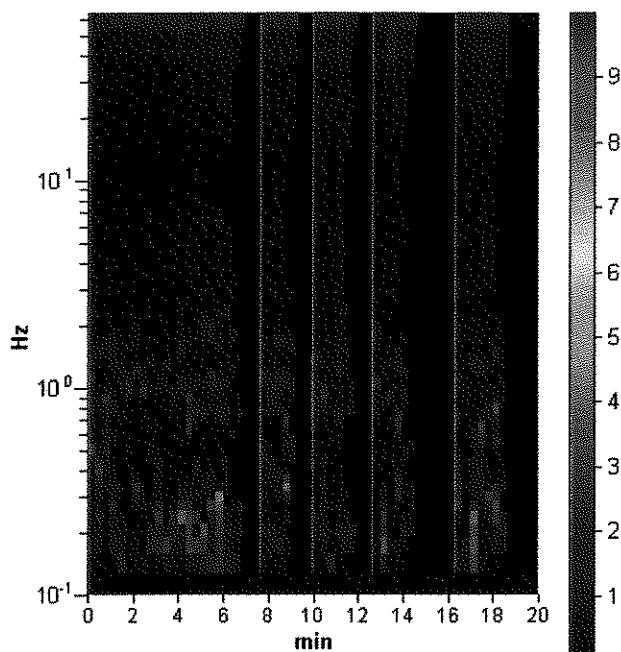
Trace length: 0h20'00".    Analyzed 75% trace (manual window selection)  
Sampling frequency: 128 Hz  
Window size: 20 s  
Smoothing window: Triangular window  
Smoothing: 10%

### HORIZONTAL TO VERTICAL SPECTRAL RATIO

Max.(E-W)/V:  $0.19 \pm 0.26$  Hz. (In the range 0.0 - 64.0 Hz).

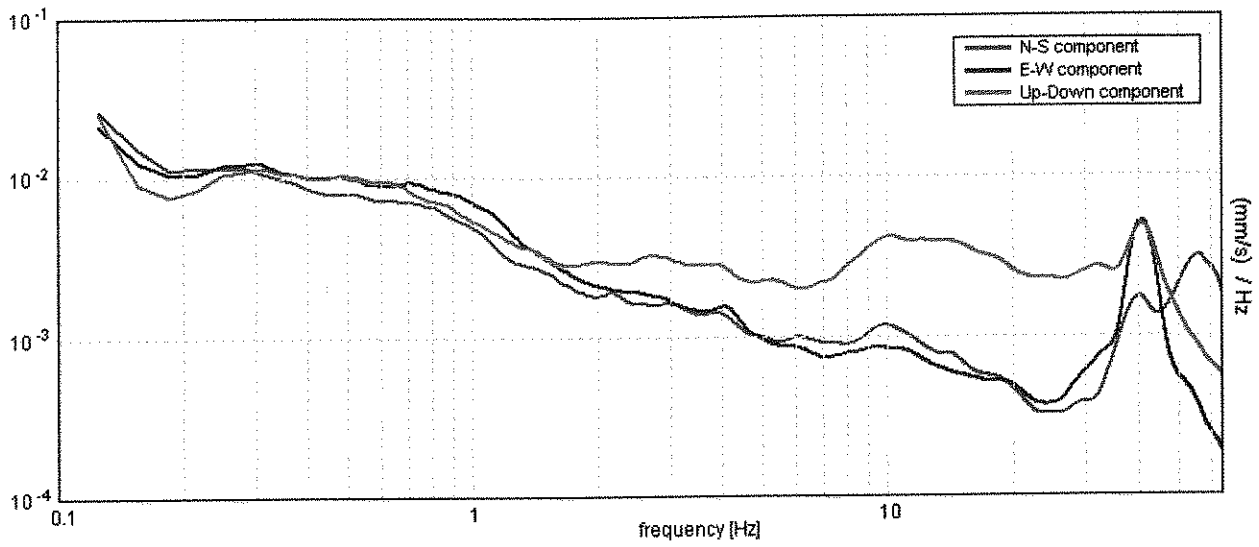


### H/V TIME HISTORY



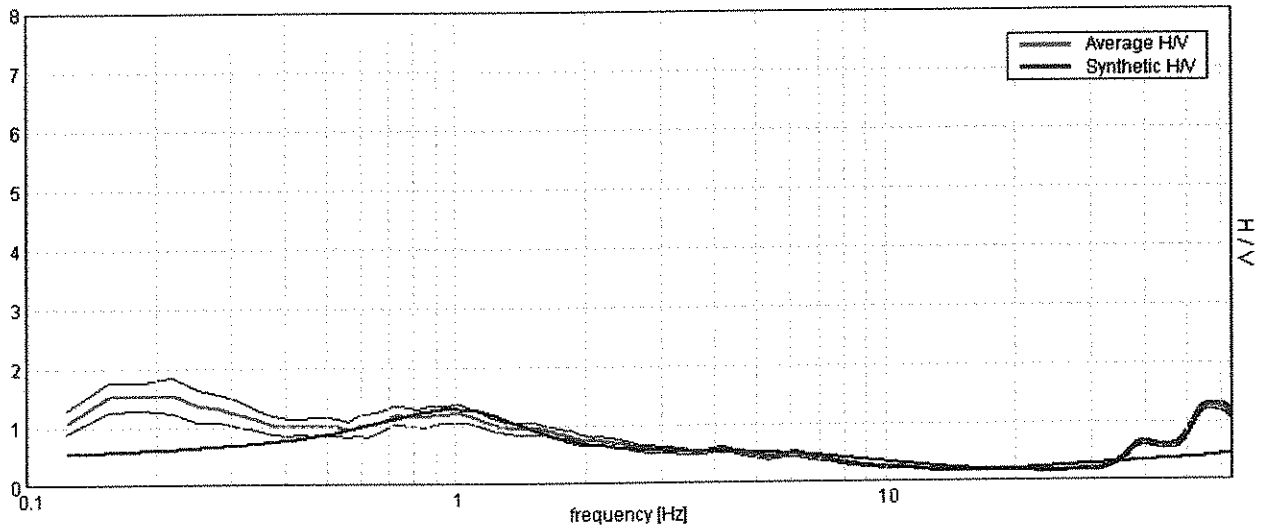
# ALLEGATO VIII

## SINGLE COMPONENT SPECTRA



## EXPERIMENTAL VS. SYNTHETIC H/V

Max. H/V at  $0.22 \pm 0.06$  Hz. (in the range 0.0 - 64.0 Hz).



Depth at the bottom of the layer

[m]

0.50  
2.00  
5.00  
10.00  
30.00  
60.00  
75.00  
inf.

Thickness [m]

0.50  
1.50  
3.00  
5.00  
20.00  
30.00  
15.00  
inf.

Vs [m/s]

250  
100  
180  
190  
210  
300  
310  
400

Vs(0.0-30.0)=193m/s

# ALLEGATO VIII

