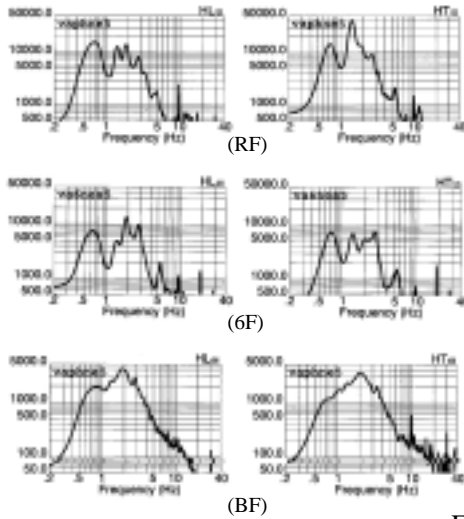


Preliminary Report of Microtremor Measurement on Varsovia

Date of measurement : October 30th, 1999

- Fourier Spectrum of North-East Point -



- Fourier Spectrum of South-West Point -

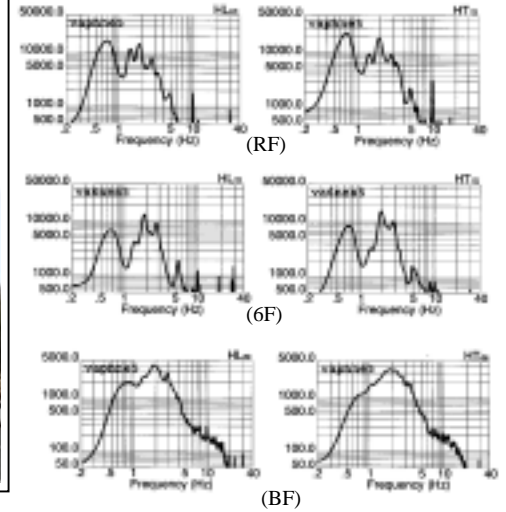


Fig.1 External appearance of measured building

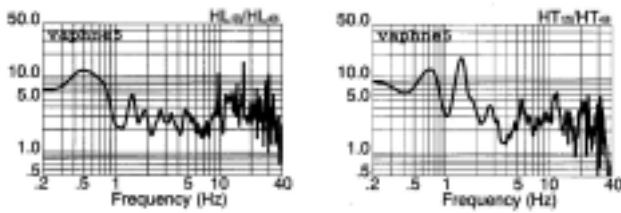


Fig.2 Estimated quasi-transfer spectrum of north-east point on the roof

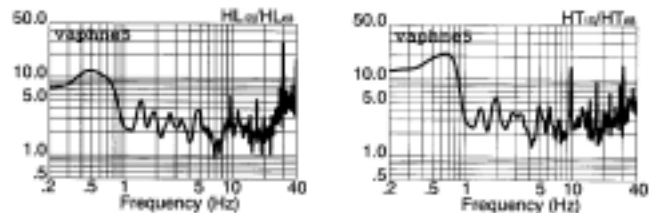
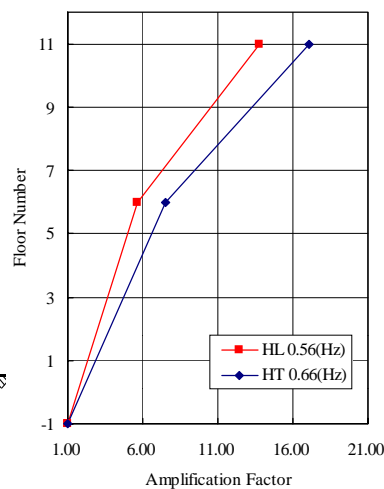
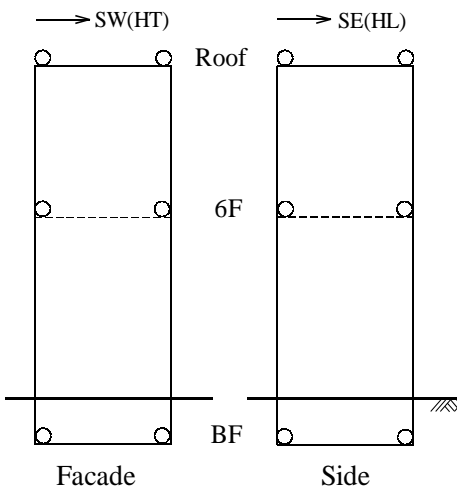


Fig.3 Estimated quasi-transfer spectrum of south-west point on the roof



Predominant Frequencies
 Statistic value
 $F = (10 \sim 16)/N$
 $= 0.91 \sim 1.45(\text{Hz})$
 Measured value
 HL component $F=0.56(\text{Hz})$
 HT component $F=0.66(\text{Hz})$
 F: Frequency (Hz)
 N: Number of stories (Floor)

Fig.4 Measured points on each floor and vibration mode