

**EdiTracker** Recorder parameters | Indicators of Digital Processing | Spectrum Estimation | Phase Scanning | Background Scanning | Auditory analysis | Conclusions

**Audio recording analysis for precise determination of frequency values of stationary harmonics present in the signal in the specified range**

Range from  to  Hz

**Analysis results:**  
 Signal analysis in the range [58 ; 62] revealed the following harmonics:  
 1. 61.95 Hz  
 2. 61.89 Hz  
 3. 61.87 Hz

Instantaneous spectrum  
 Δamp  
 0.0005  
 0.0004  
 0.0003  
 0.0002  
 0.0001  
 F, Hz  
 58 59 60 61

Signal waveform Audio for 20973 (44100 Hz).wav , Fs=44100 Hz  
 Δamp  
 0.5  
 0  
 -0.5  
 -1  
 0 20 40 60 80 100 120 140 160 180 200 220 240  
 t, s

Indicator of search for a precise frequency value of stationary harmonics in the audio recording: Audio for 20973 (44100 Hz).wav  
 Lvl  
 61  
 60  
 59  
 58  
 0 20 40 60 80 100 120 140 160 180 200 220 240  
 t, s

Scanning accuracy:  Low  Normal  High



Search for discontinuities of phase of stable technical signals available in audio recordings (electromagnetic interference, TTM (tape transport mechanism) beat)

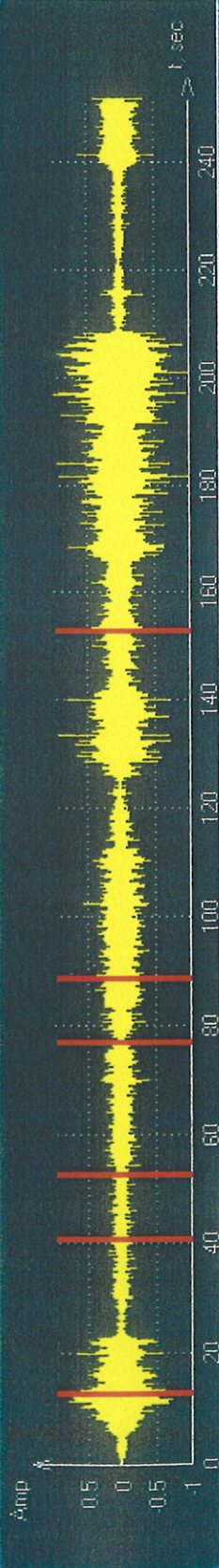
Set frequency:  
 67.95 Hz  
 123.9 Hz  
 185.85 Hz

Phase accuracy:  
 Low  Normal  High

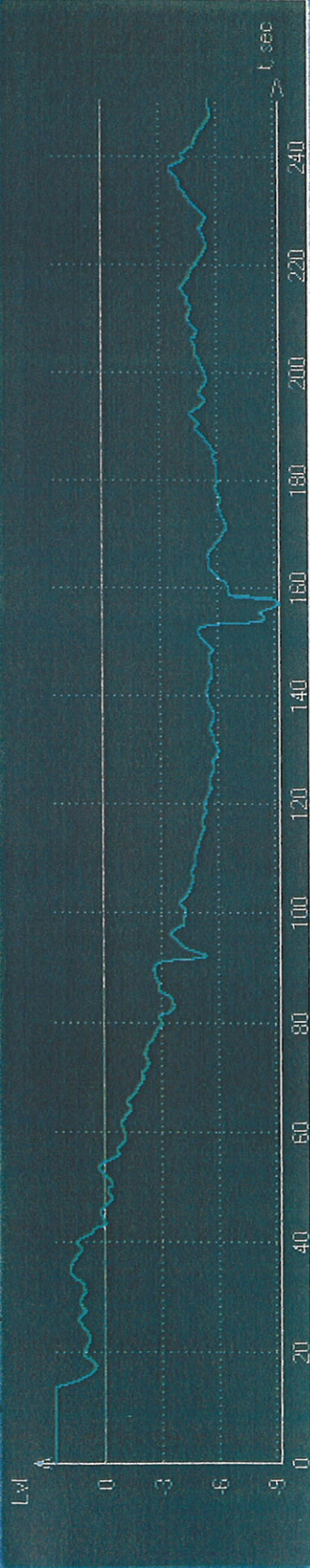
Search

- Narrow-band filter
- Noise cancellation

Signal waveform: Audio for 20973 (44100 Hz).wav, Fs=44100 Hz



Audio recording continuity indicator: Audio for 20973 (44100 Hz).wav



Detected spots of feature discontinuity:

1. 12'850\_ms phase break -2.64402
2. 40'866\_ms phase break -1.85979
3. 52'873\_ms phase break -0.966632
4. 01'16" phase break -1.26838
5. 01'28" phase break -0.781946
6. 02'32" phase break -1.63883

<< Prev Next >> survey 1 sec All

Procedure

Analysis results: Detected 6 points of abrupt change in phase