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

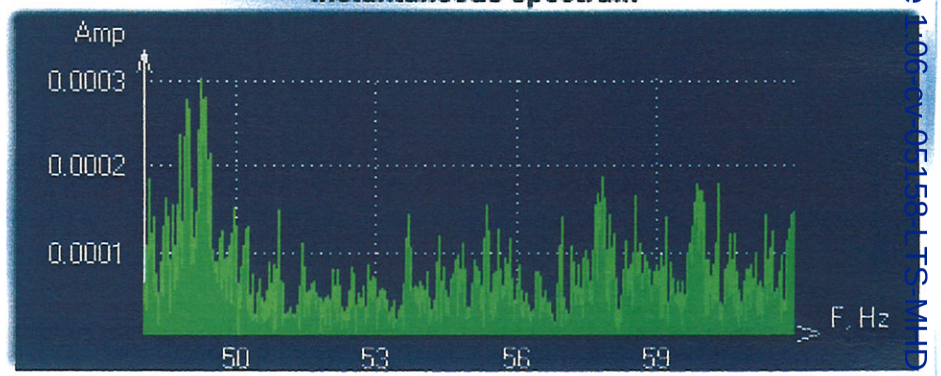
Audio recording analysis for precise determination of frequency values of stationary harmonics present in the signal in the specified range

Range from 48 **to** 62 **Hz** Search

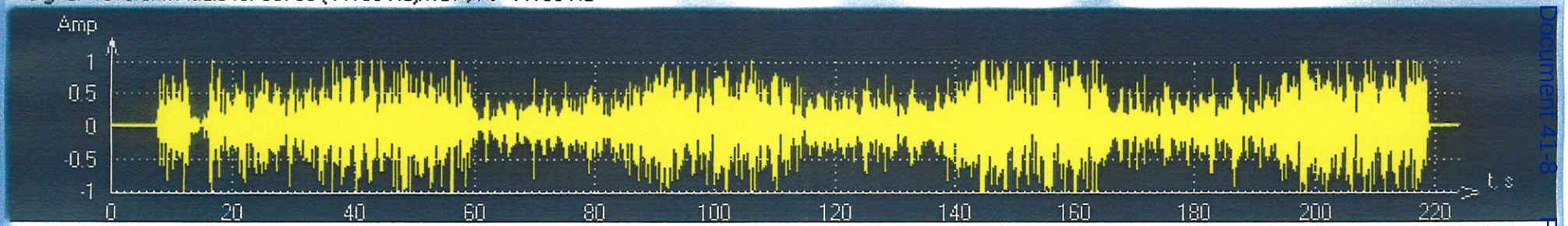
Analysis results:

Signal analysis in the range [48 ; 62] revealed the following harmonics:
1. 61.79 Hz
2. 61.72 Hz
3. 61.51 Hz

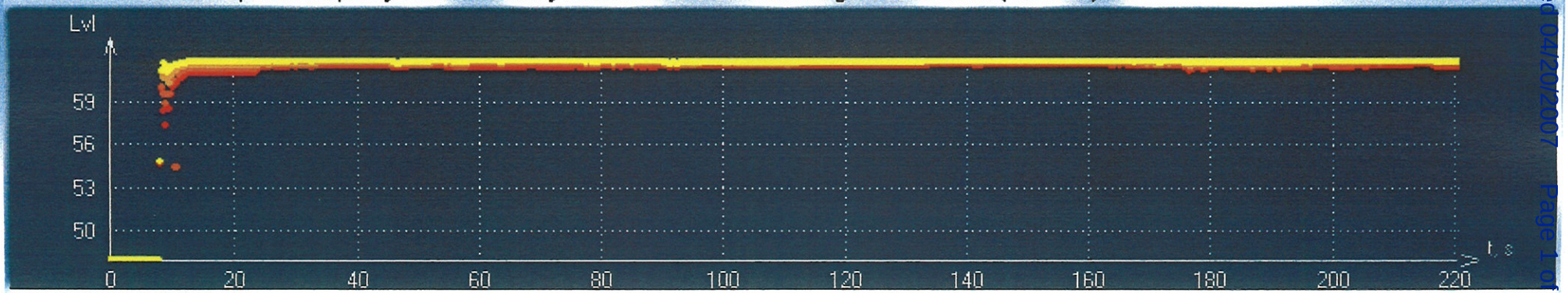
Instantaneous spectrum



Signal waveform Audio for 00765 (44100 Hz).wav , Fs=44100 Hz



Indicator of search for a precise frequency value of stationary harmonics in the audio recording: Audio for 00765 (44100 Hz).wav



Procedure

Scanning accuracy: Low Normal High

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

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

Set frequency:
- (•) 61.79 Hz
- ( ) 123.58 Hz
- ( ) 185.37 Hz

Phase accuracy:
( ) Low ( ) Normal (•) High

Search

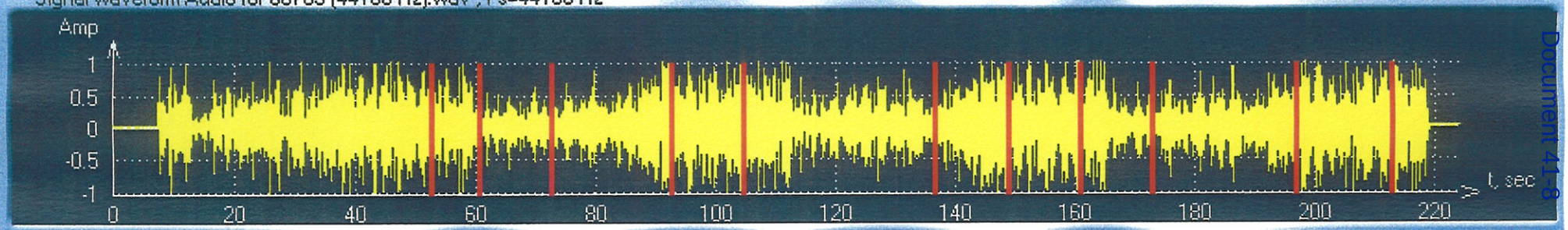
[x] Narrow-band filter
[x] Noise cancellation

Detected spots of feature discontinuity:

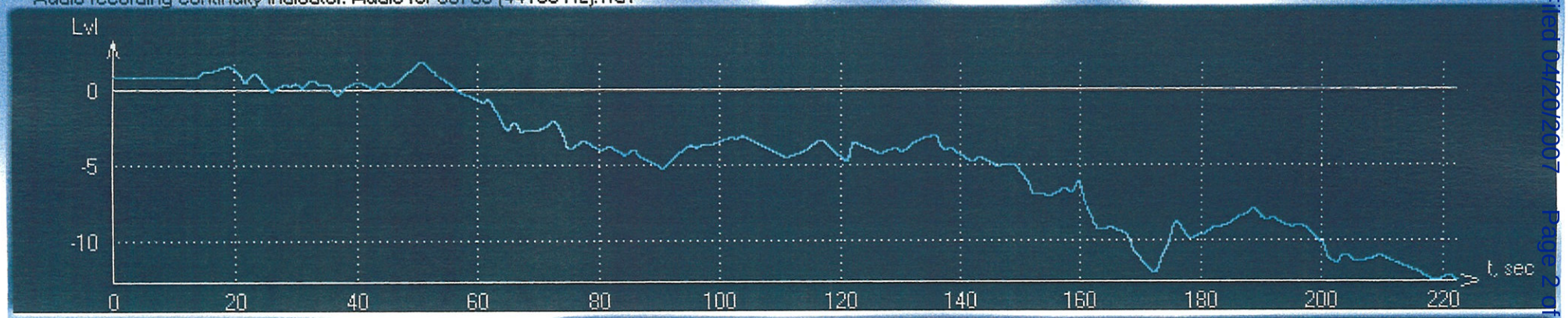
1. 52"873_ms phase break -2.09042
2. 01'00" phase break -2.11325
3. 01'12" phase break -1.6371
4. 01'32" phase break 1.255
5. 01'44" phase break -1.33312
6. 02'16" phase break -1.52227
7. 02'28" phase break -1.97804
8. 02'40" phase break -3.55303

<< Prev | Next >> | survey 1 sec | All

Signal waveform Audio for 00765 (44100 Hz).wav , Fs=44100 Hz



Audio recording continuity indicator: Audio for 00765 (44100 Hz).wav



Procedure

Analysis results: Detected 11 points of abrupt change in phase