

**Fattore di Cresta del segnale musicale  
Giuseppe Verdi : "Nabucco"**

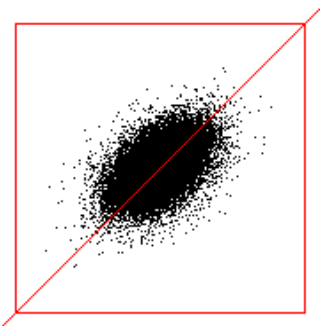
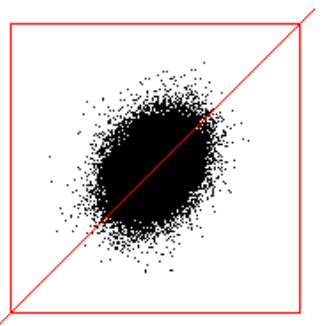
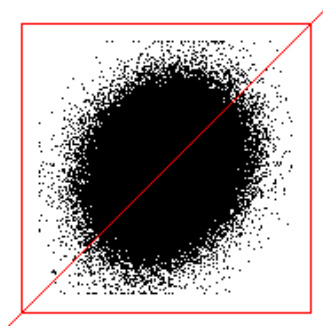
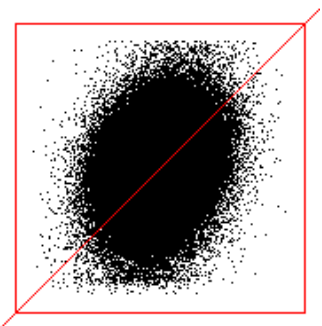
Giuseppe Verdi, Nabucco con, tra gli altri, Placido Domingo e Lucia Valentini Terrani. Direttore Giuseppe Sinopoli. Deutsche Grammophon - digital recording 410512-2 del 1983 stampato in Germania.

La registrazione di un'opera è impresa non facile soprattutto per l'oggettiva difficoltà di regolazione del livello di registrazione tale da rispettare i pianissimo e non saturare nei fortissimo. Si veda per confronto l'"Carmina Burana" di Orf oppure Aida.

Evidente l'uso del limitatore di ampiezza anche molto in anticipo sulla massima modulazione consentita. In quest'opera si alternano tracce ottime (per es. nn. 15 e 18 del cd 1, n. 13 del CD 2) ad altre che presentano limitazioni anche su 2 livelli (nn. 16 e 17 del cd 1, n. 6 del CD 2) o limitazioni ricorrenti prima della massima modulazione ( nn. 5 e 14 del CD 2).

si noti che più la limitazione in ampiezza è evidente tanto più energia cresce nell'ultima ottava (a sollecitare i tweeter).

| Traccia     | Max | CF    | Slew rate |                    |
|-------------|-----|-------|-----------|--------------------|
| Nabucco1_01 |     | 28540 | 12.60     | 1.05               |
| Nabucco1_02 |     | 28540 | 9.13      | 0.57               |
| Nabucco1_03 |     | 24514 | 10.66     | 0.25               |
| Nabucco1_04 |     | 26510 | 16.30     | 0.28               |
| Nabucco1_05 |     | 28540 | 6.69      | 0.51               |
| Nabucco1_06 |     | 28540 | 7.10      | 0.75               |
| Nabucco1_07 |     | 19795 | 13.12     | 0.19               |
| Nabucco1_08 |     | 27890 | 10.98     | 0.50               |
| Nabucco1_09 |     | 27394 | 12.85     | 0.37               |
| Nabucco1_10 |     | 27890 | 6.32      | 0.52               |
| Nabucco1_11 |     | 27890 | 8.45      | 0.88               |
| Nabucco1_12 |     | 27690 | 8.30      | 0.91               |
| Nabucco1_13 |     | 27890 | 6.34      | 0.93               |
| Nabucco1_14 |     | 28540 | 11.43     | 0.38               |
| Nabucco1_15 |     | 18357 | 11.91     | 0.18               |
| Nabucco1_16 |     | 28540 | 7.07      | 0.94               |
| Nabucco1_17 |     | 28540 | 6.38      | 0.69               |
| Nabucco1_18 |     | 32767 | 8.54      | 0.25 <<            |
| Nabucco1_19 |     | 32767 | 12.75     | 0.43 <<            |
| Nabucco1_20 |     | 32767 | 11.10     | 0.38 <<            |
|             |     |       |           |                    |
| Nabucco2_01 |     | 27256 | 9.00      | 0.97               |
| Nabucco2_02 |     | 27256 | 7.90      | 1.12               |
| Nabucco2_03 |     | 27256 | 10.87     | 0.86               |
| Nabucco2_04 |     | 26775 | 11.19     | 0.94               |
| Nabucco2_05 |     | 27256 | 11.04     | 0.74               |
| Nabucco2_06 |     | 27256 | 7.58      | 0.72               |
| Nabucco2_07 |     | 26416 | 13.93     | 0.31               |
| Nabucco2_08 |     | 27256 | 8.00      | 0.41               |
| Nabucco2_09 |     | 26578 | 11.66     | 0.26               |
| Nabucco2_10 |     | 27256 | 6.48      | 0.39               |
| Nabucco2_11 |     | 27256 | 8.82      | 0.48               |
| Nabucco2_12 |     | 27255 | 13.71     | 0.36 (profezia)    |
| Nabucco2_13 |     | 27256 | 15.54     | 0.42 (va pensiero) |
| Nabucco2_14 |     | 27256 | 8.31      | 0.58               |
| Nabucco2_15 |     | 27889 | 14.86     | 0.39               |
| Nabucco2_16 |     | 27890 | 16.30     | 0.36               |
| Nabucco2_17 |     | 27890 | 14.81     | 0.38               |
| Nabucco2_18 |     | 27890 | 7.13      | 0.52               |
| Nabucco2_19 |     | 19651 | 24.88     | 0.23 cf max        |
| Nabucco2_20 |     | 27890 | 12.29     | 0.86               |
| Nabucco2_21 |     | 27890 | 11.06     | 0.45               |
| Nabucco2_22 |     | 27890 | 10.09     | 0.40               |
| Nabucco2_23 |     | 32767 | 16.54     | 0.18 <<            |
| Nabucco2_24 |     | 27890 | 12.47     | 1.05               |

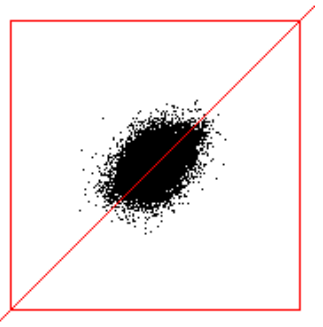
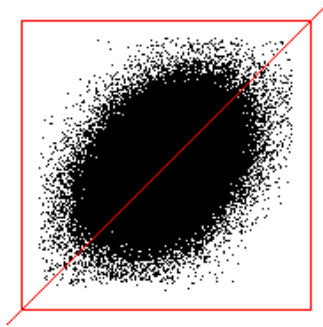
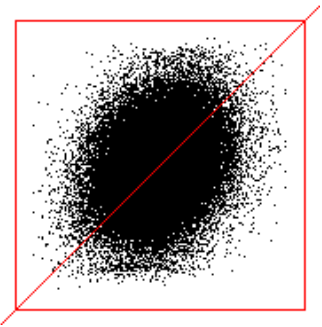


Traccia1

Traccia2

Traccia3

Traccia4

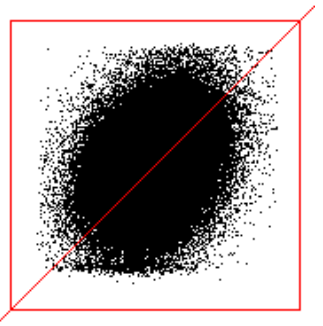
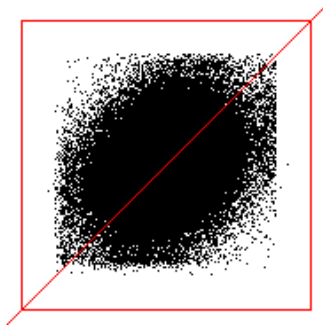
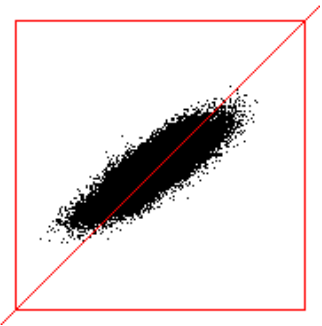


Traccia5

Traccia6

Traccia7

Traccia8

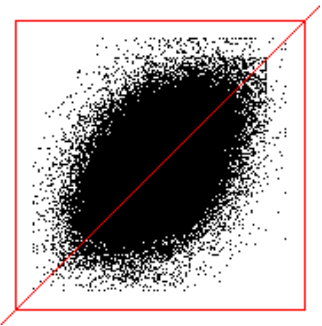
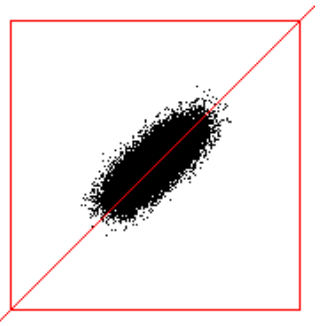
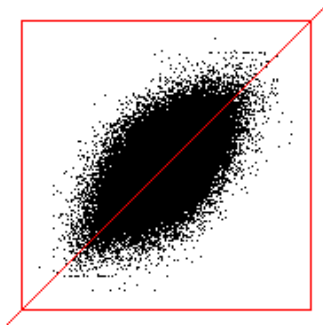
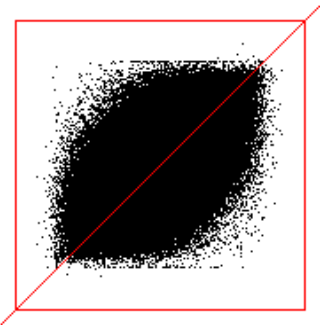


Traccia9

Traccia10

Traccia11

Traccia12



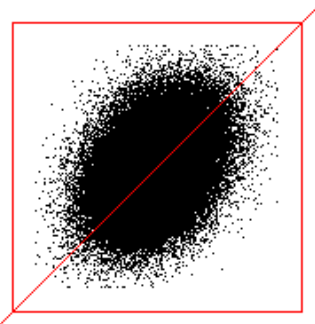
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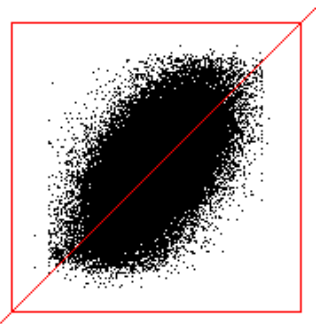
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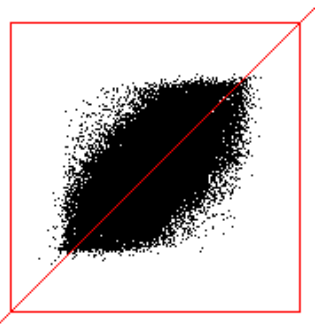
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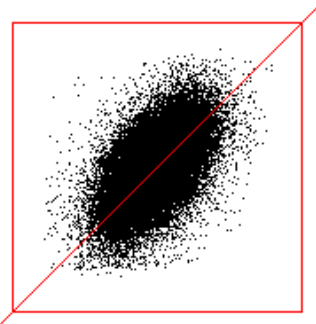
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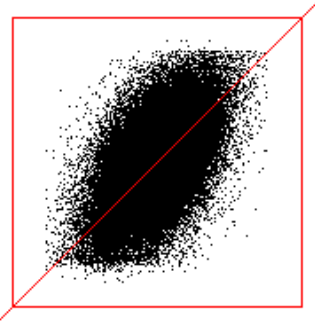
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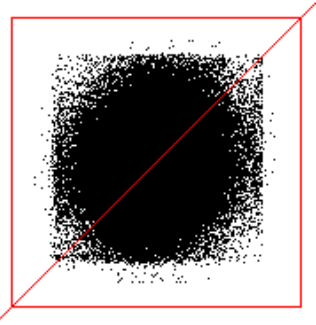
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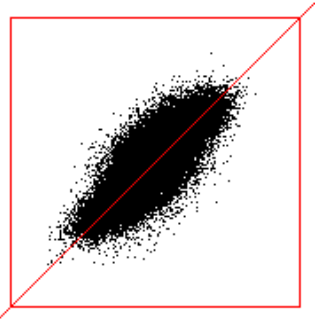
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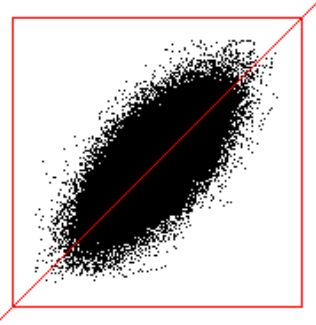
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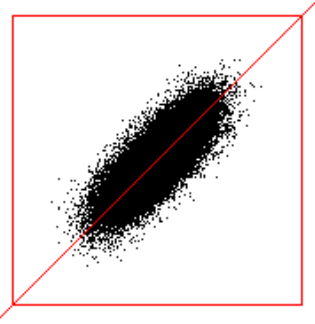
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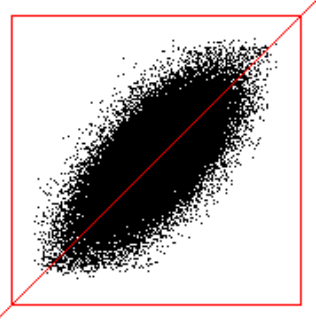
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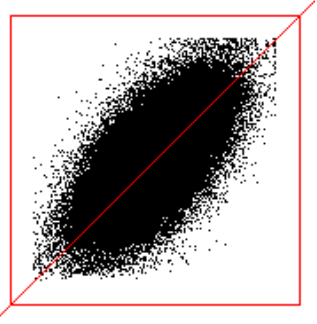
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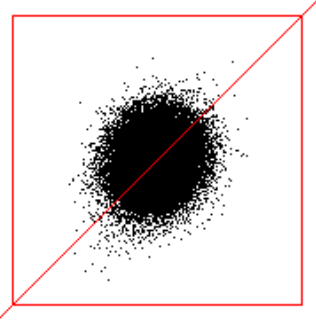
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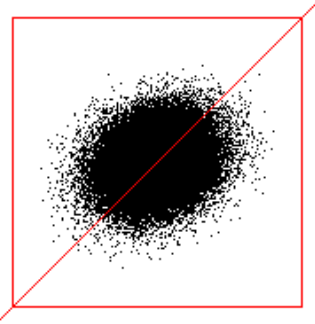
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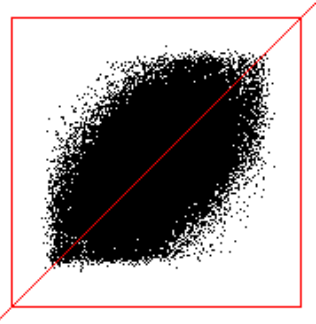
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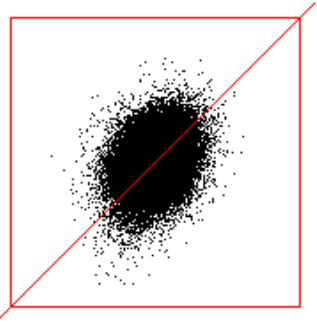
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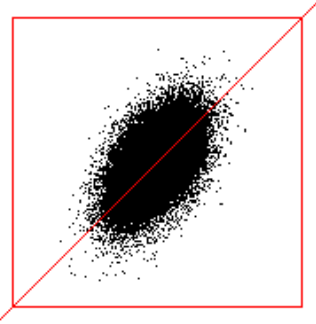
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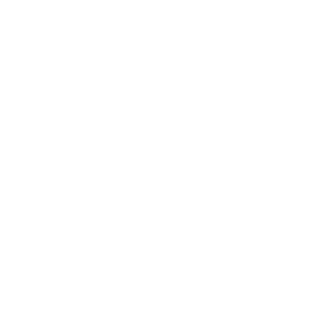
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Traccia12



Traccia13



Traccia14

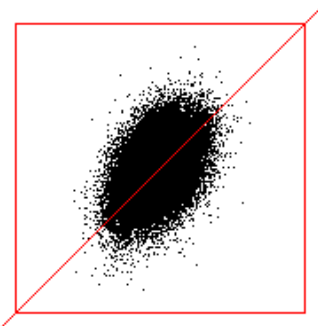


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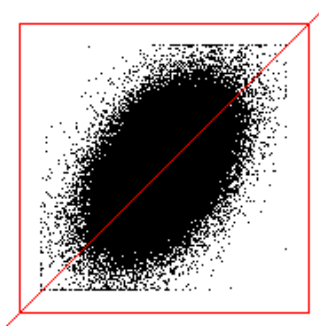


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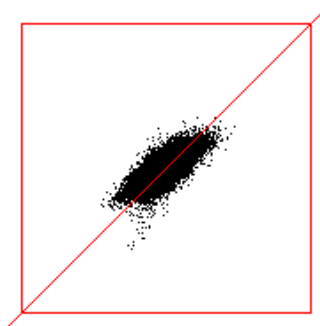




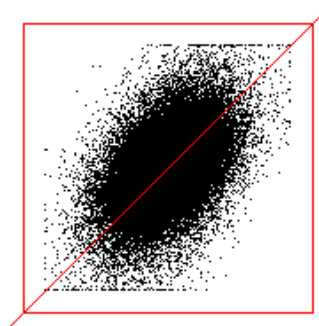
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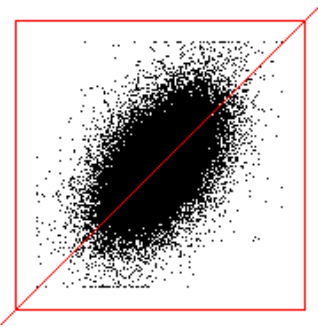
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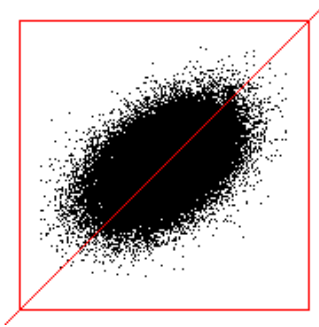
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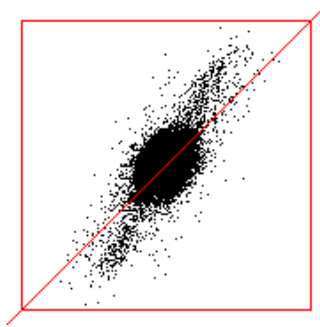
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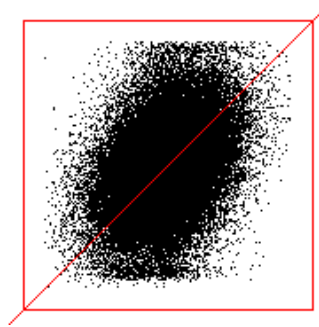
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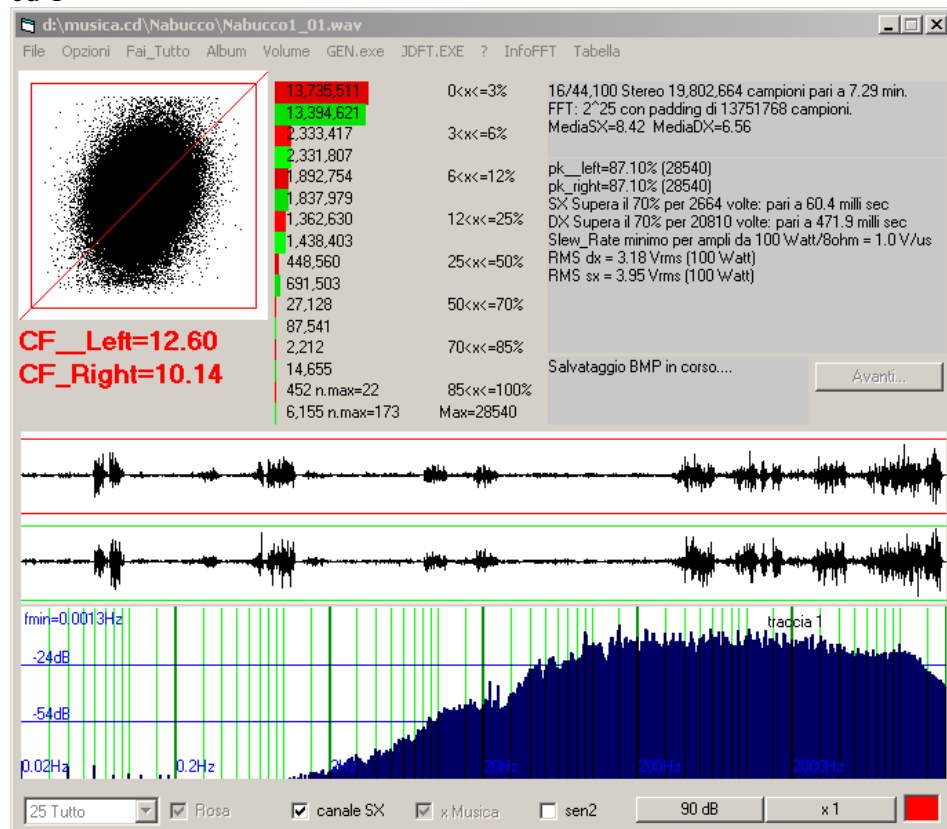


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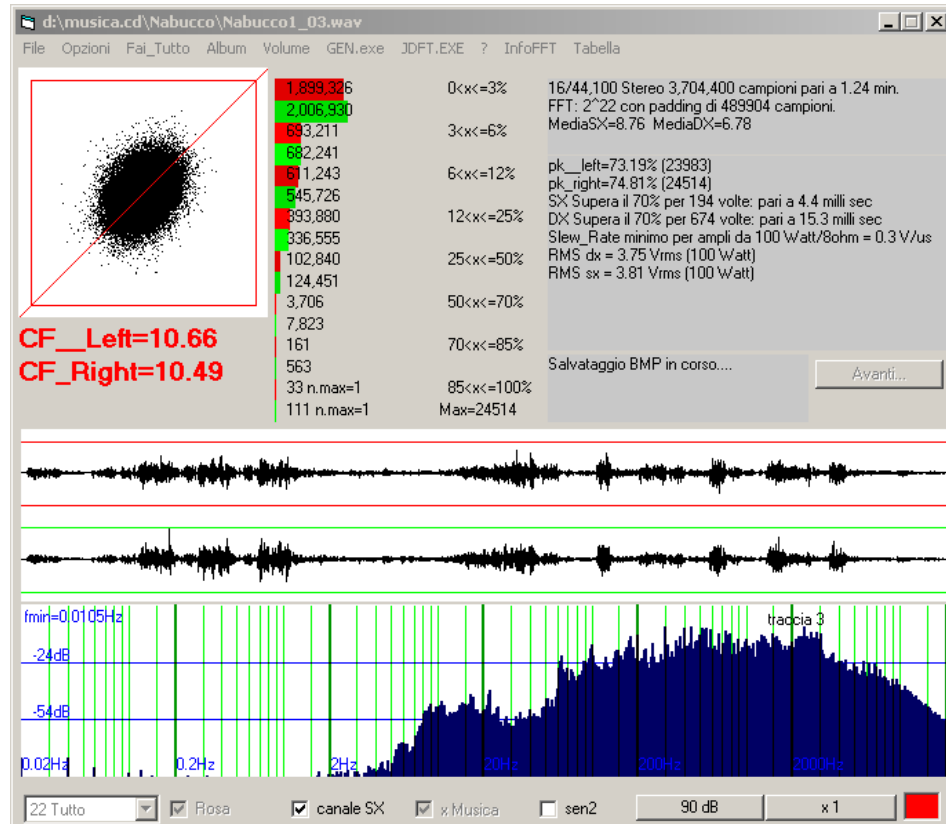
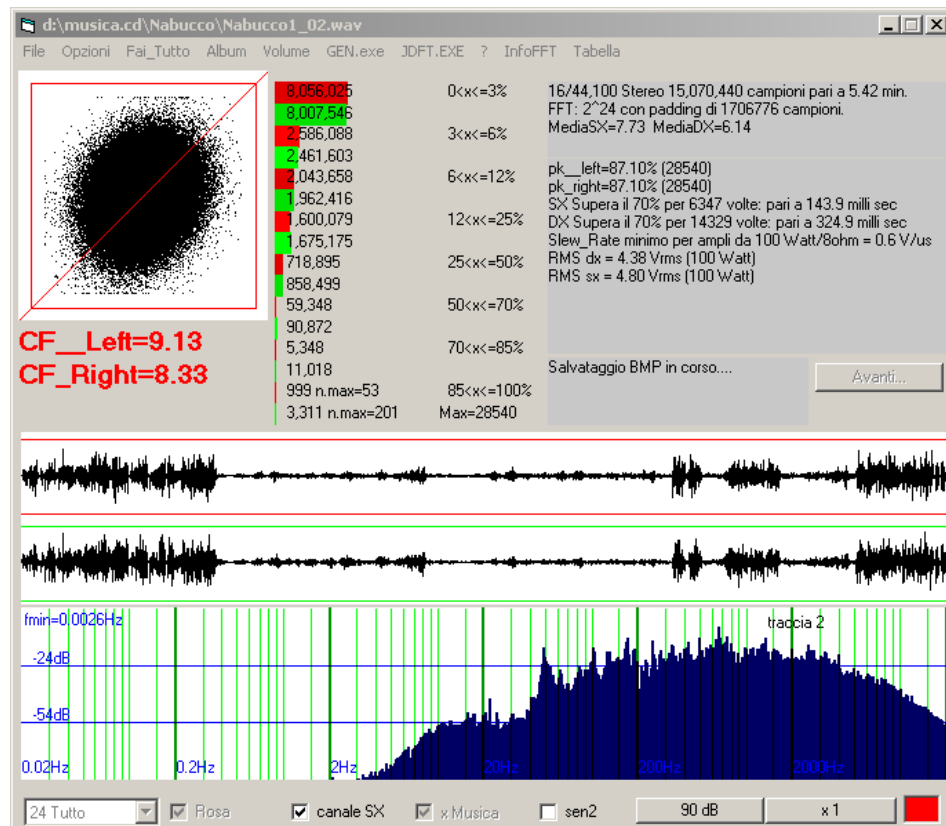


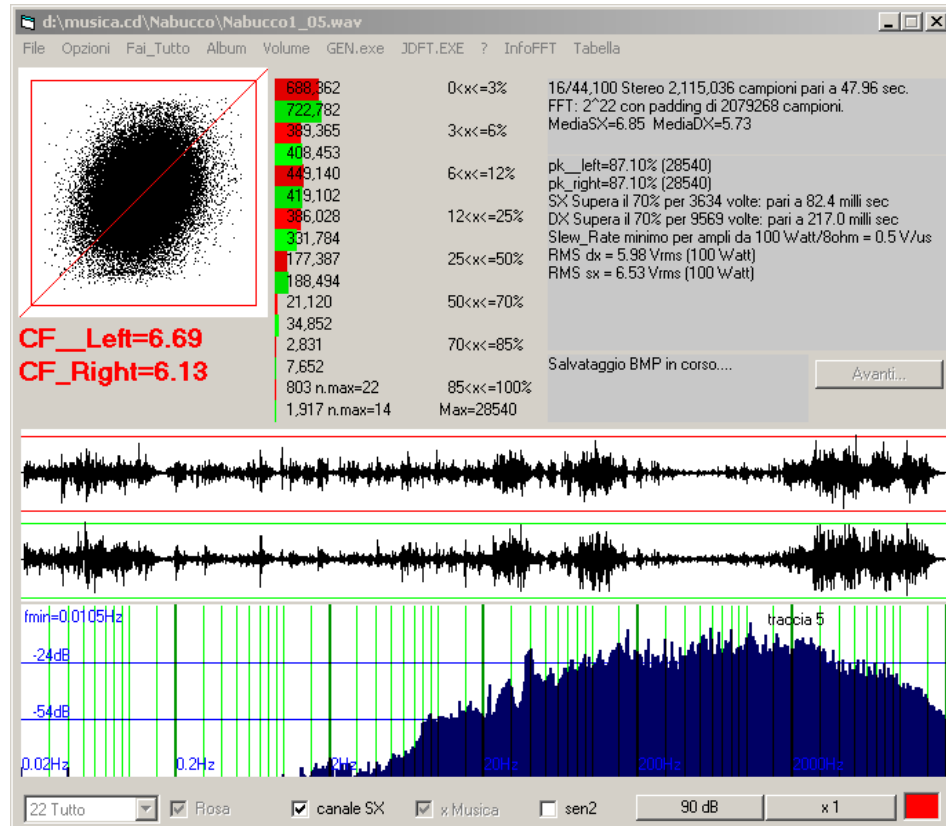
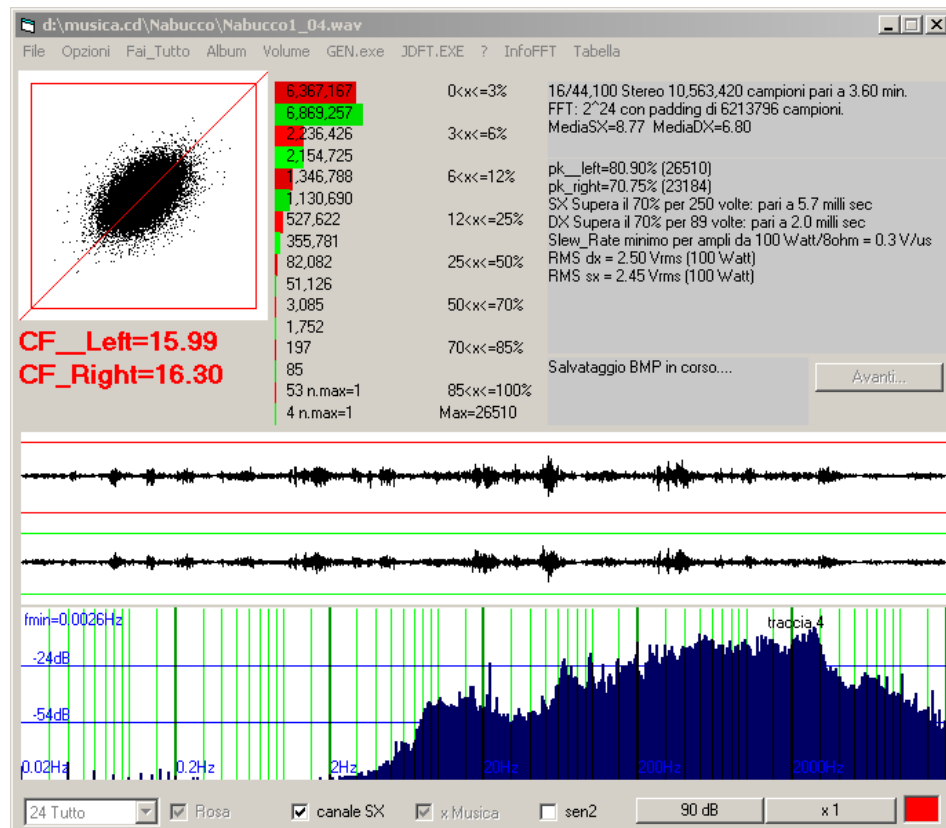
Traccia24

cd 1

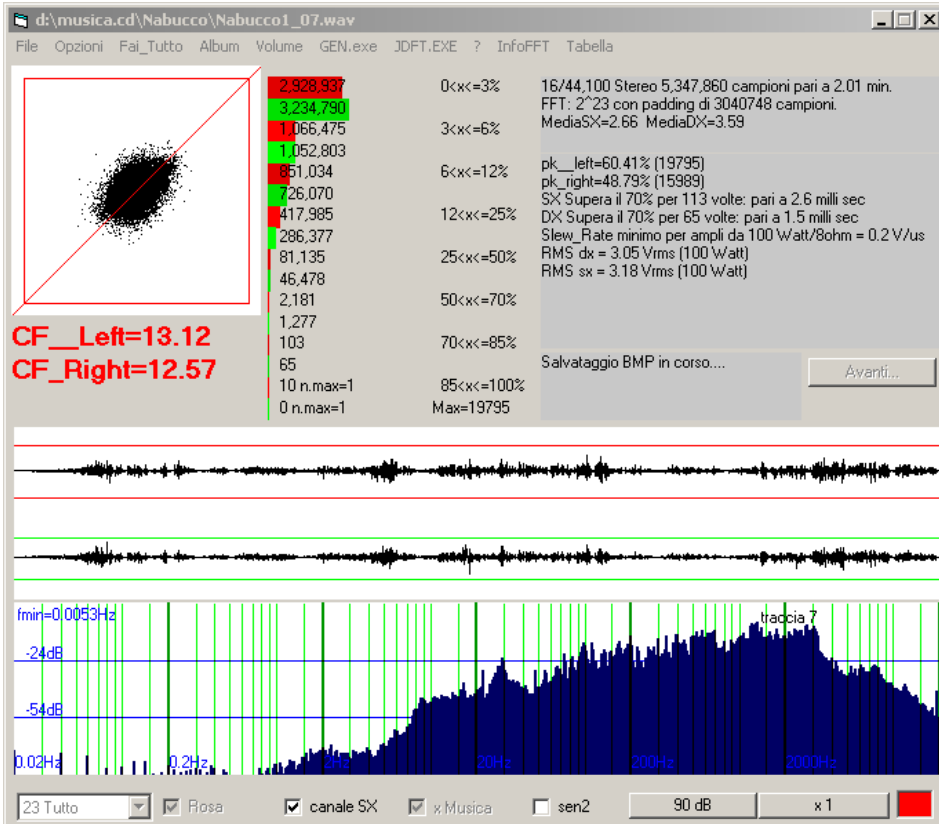
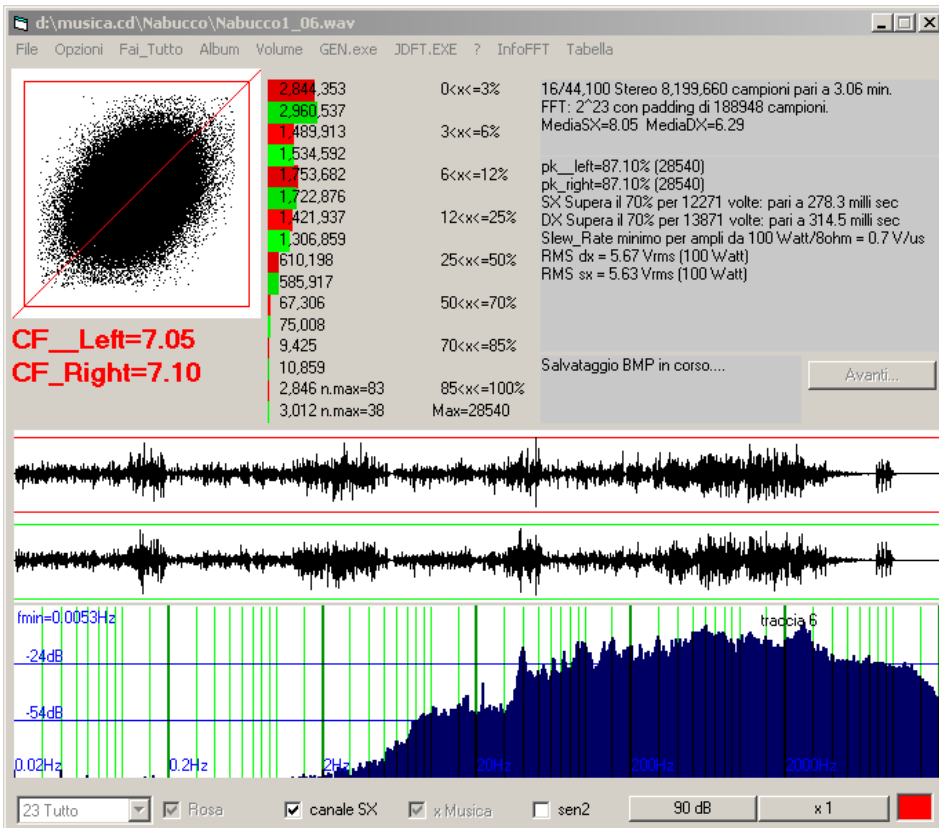


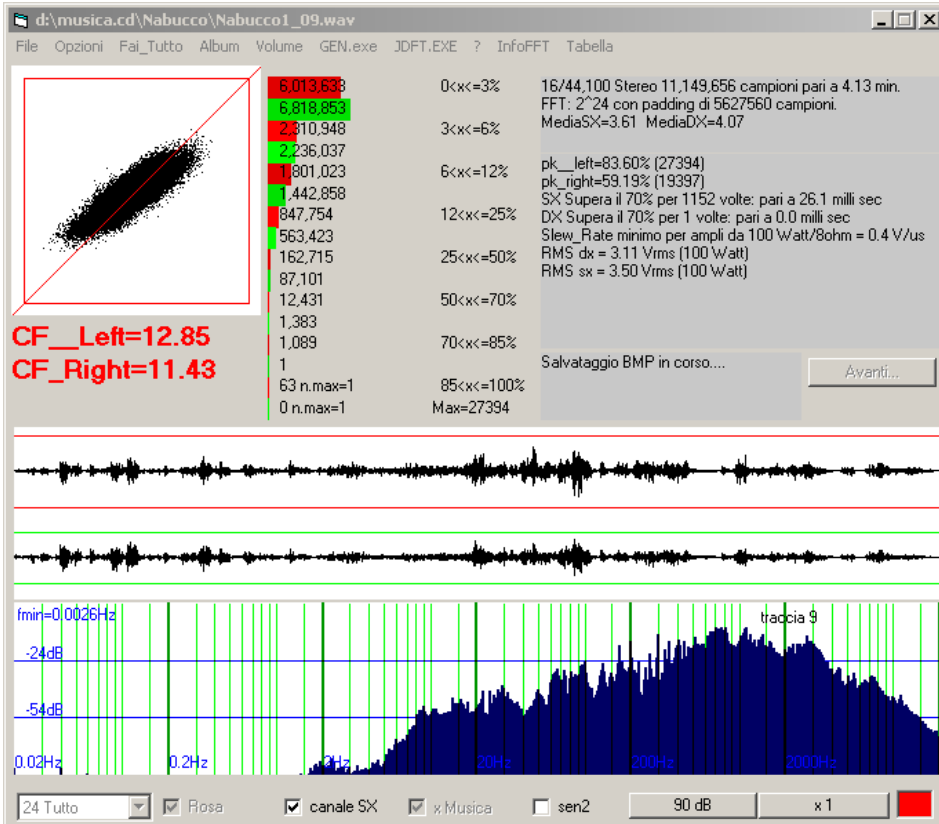
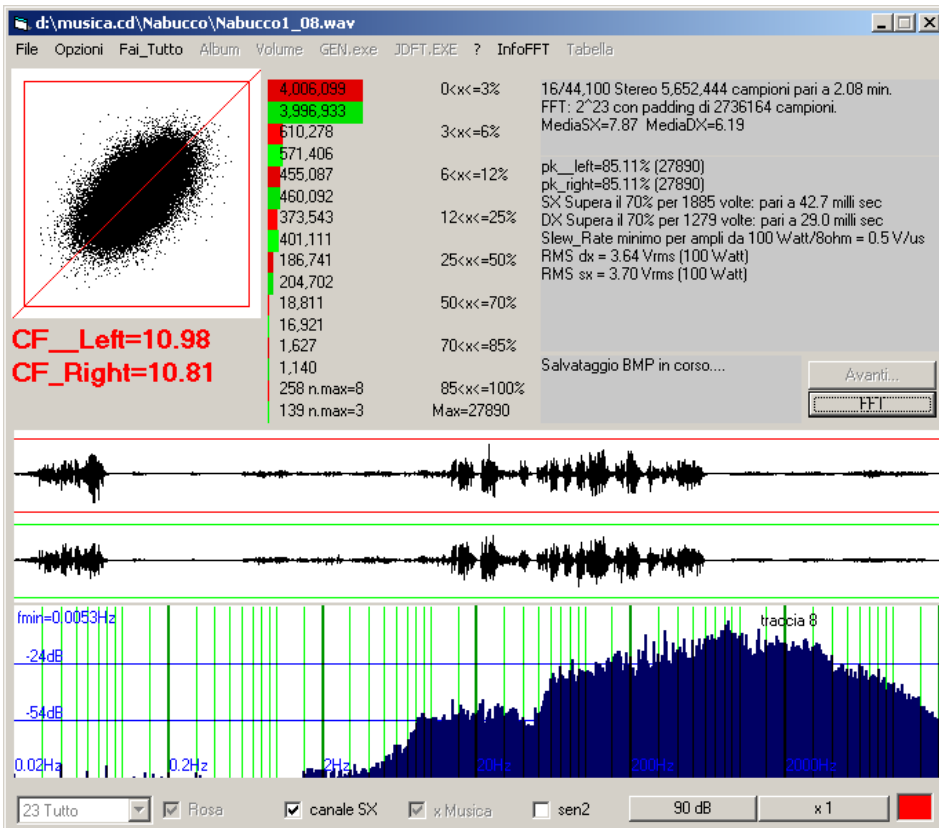
Analisi Spettrale - Mario Bon





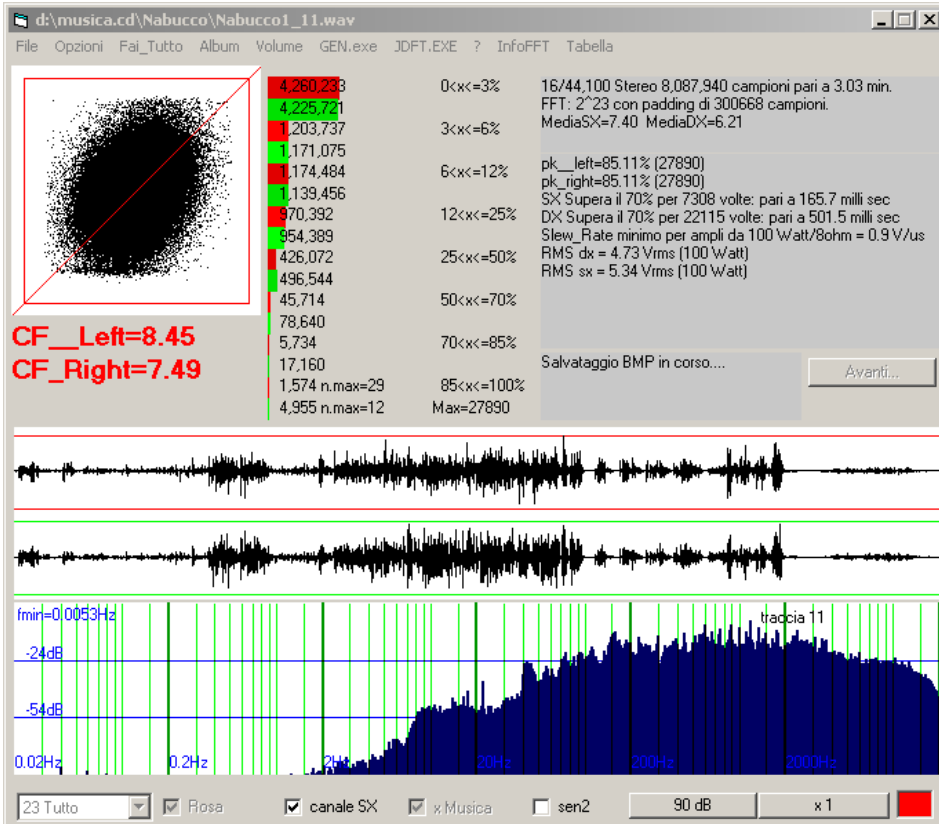
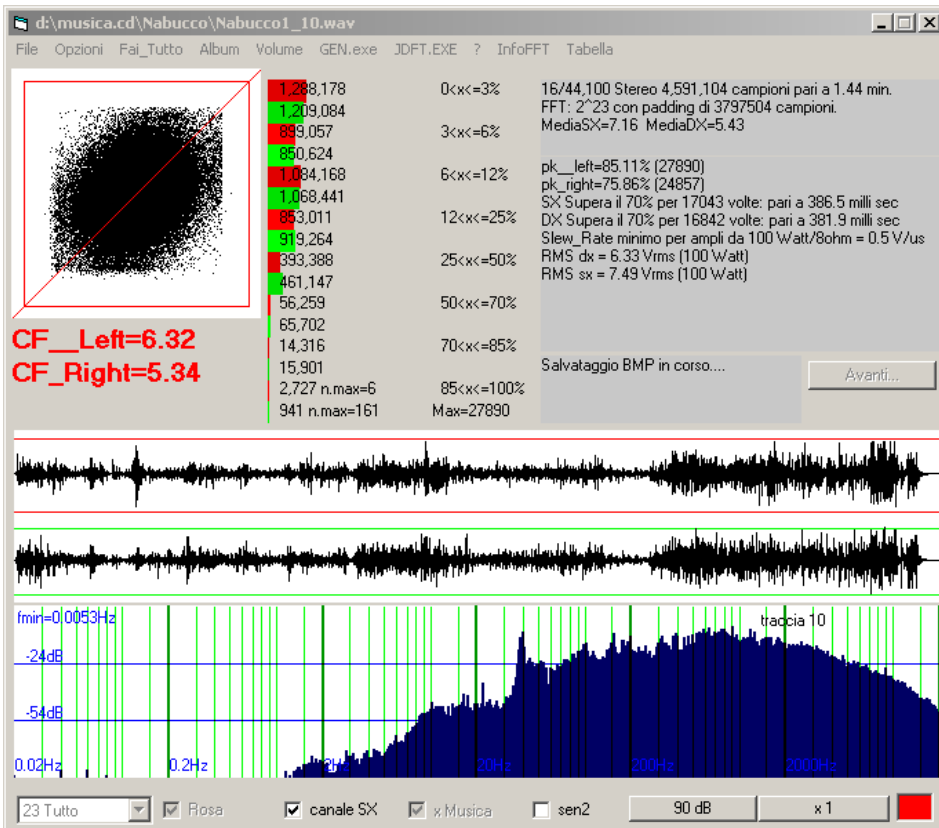
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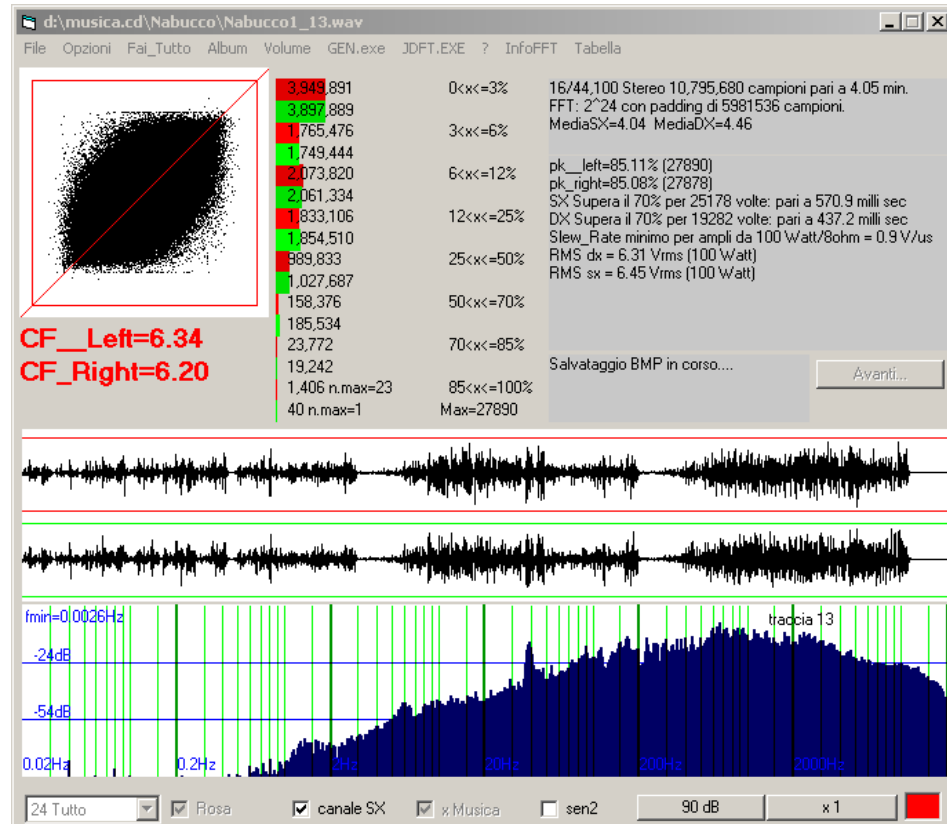
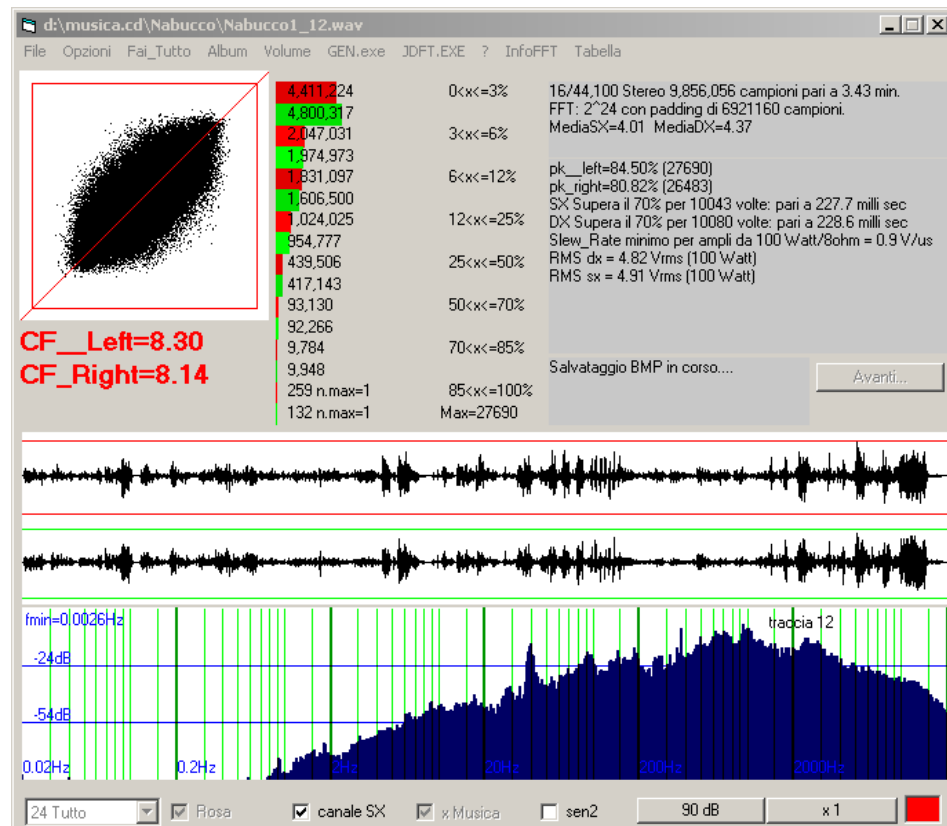


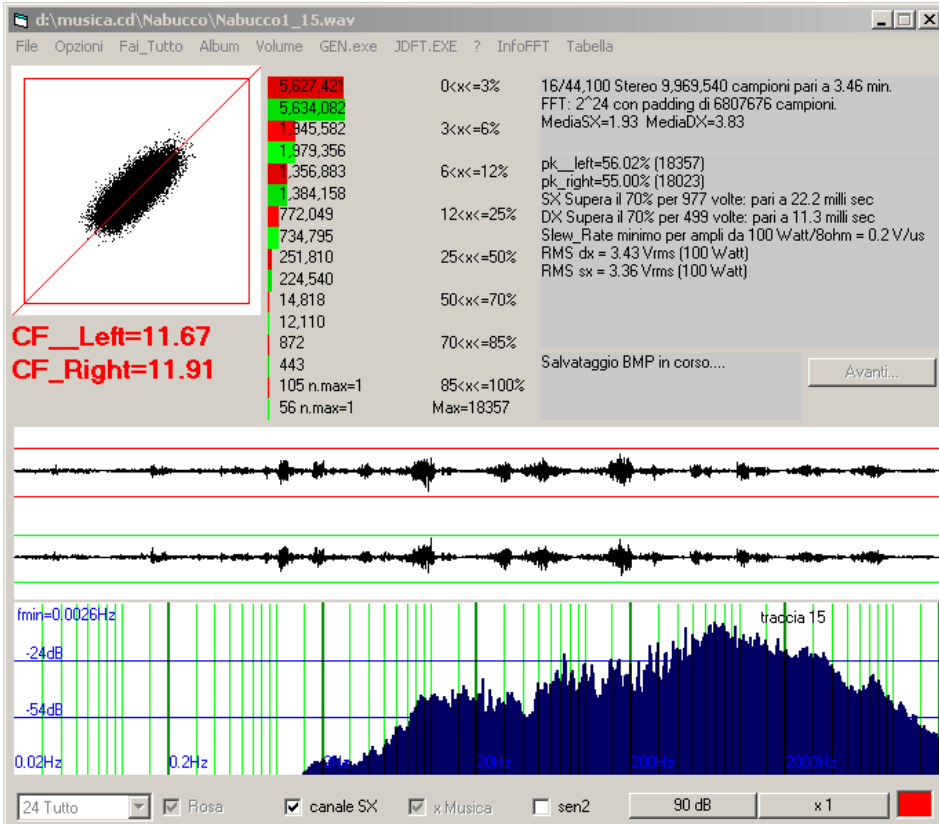
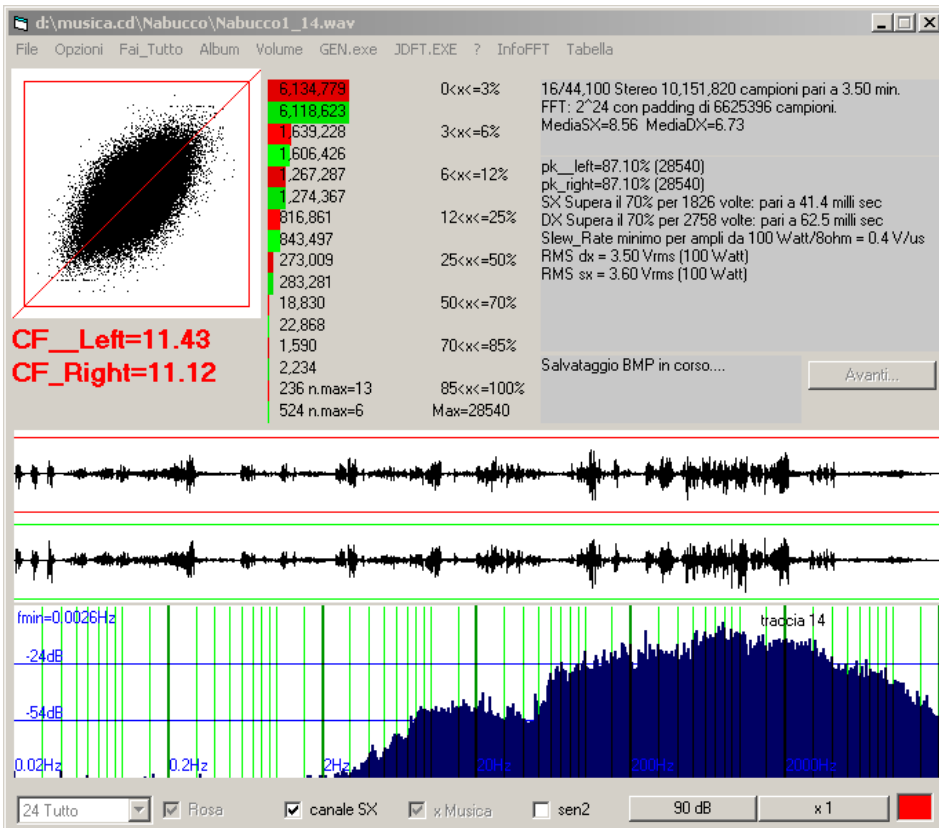


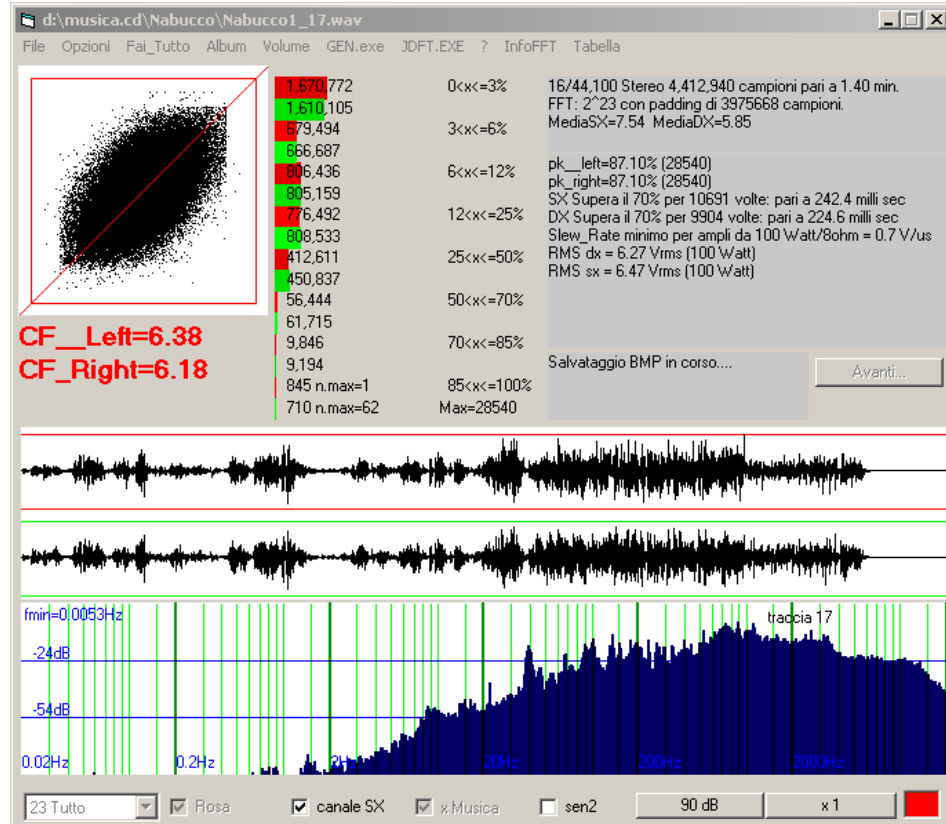
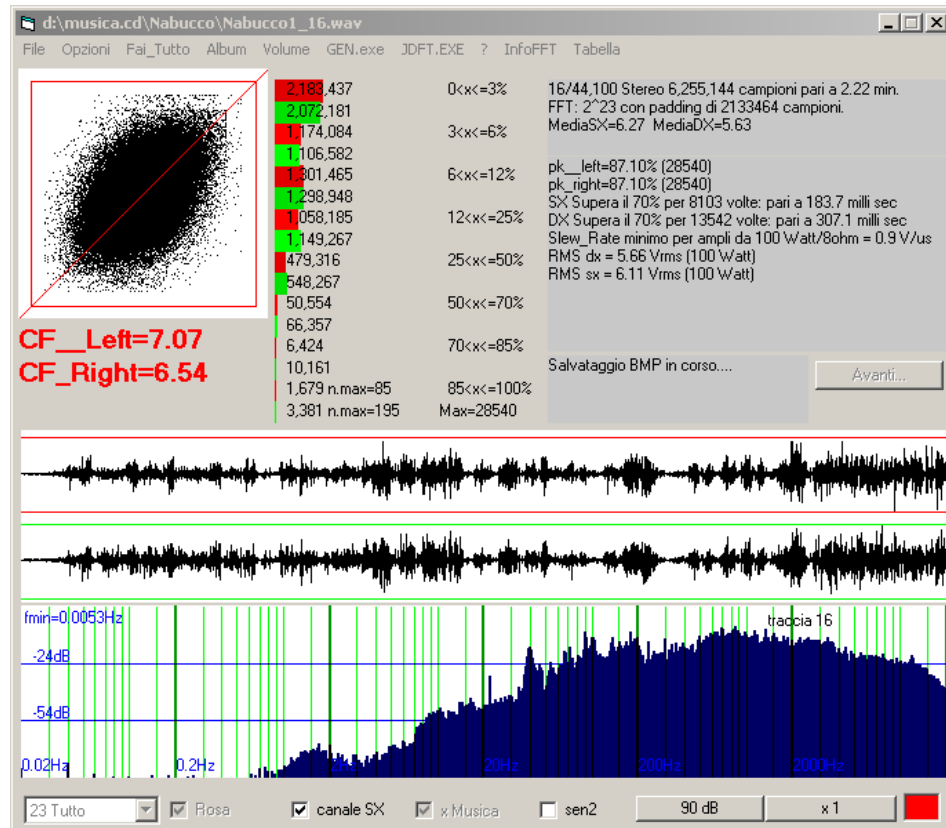
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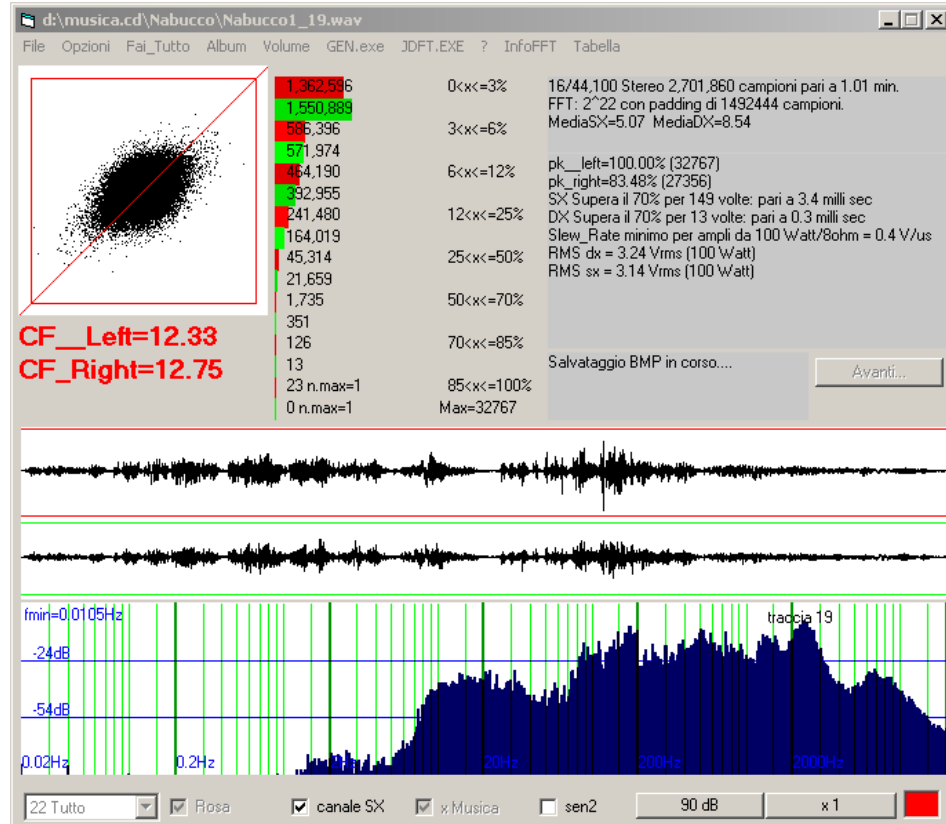
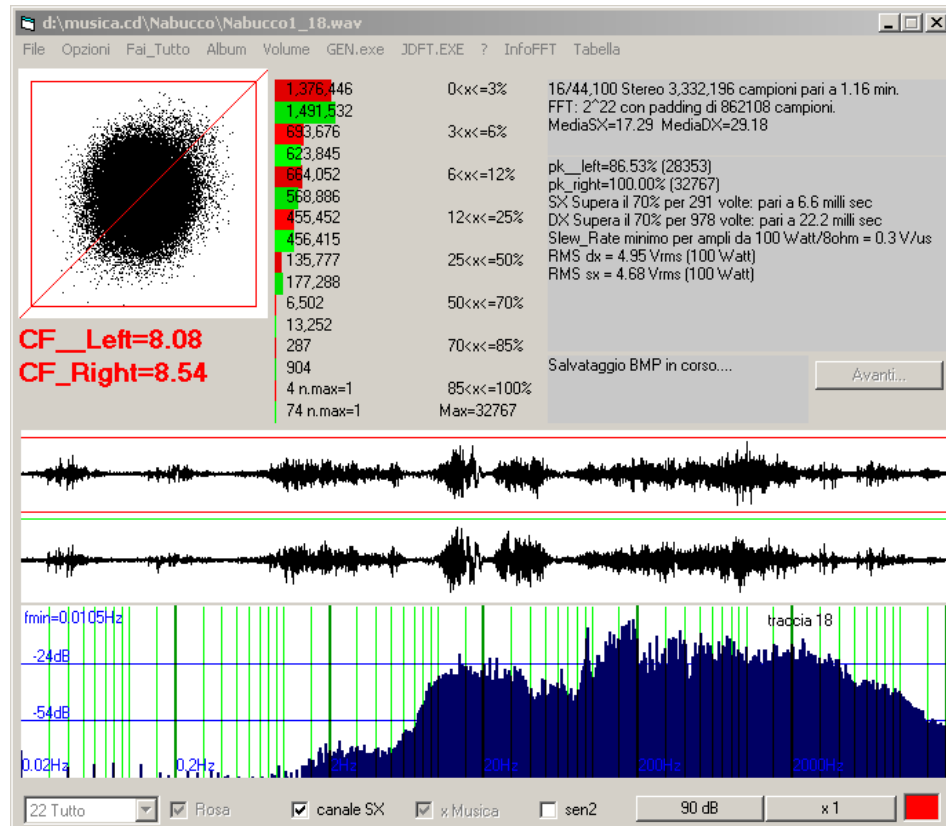


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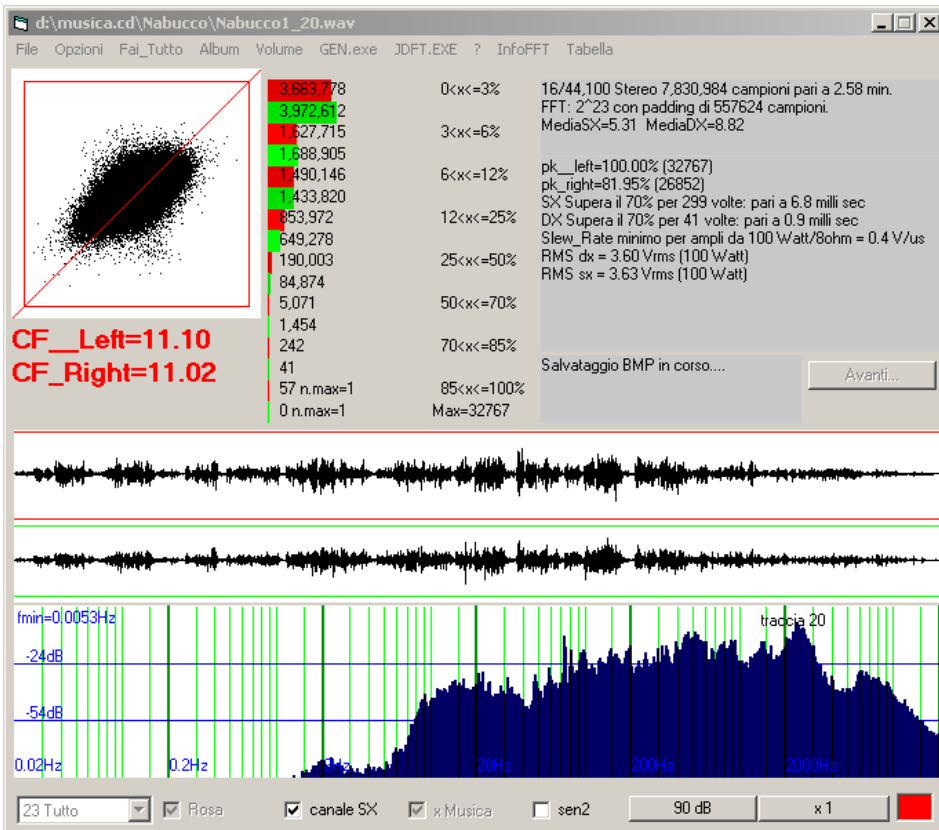




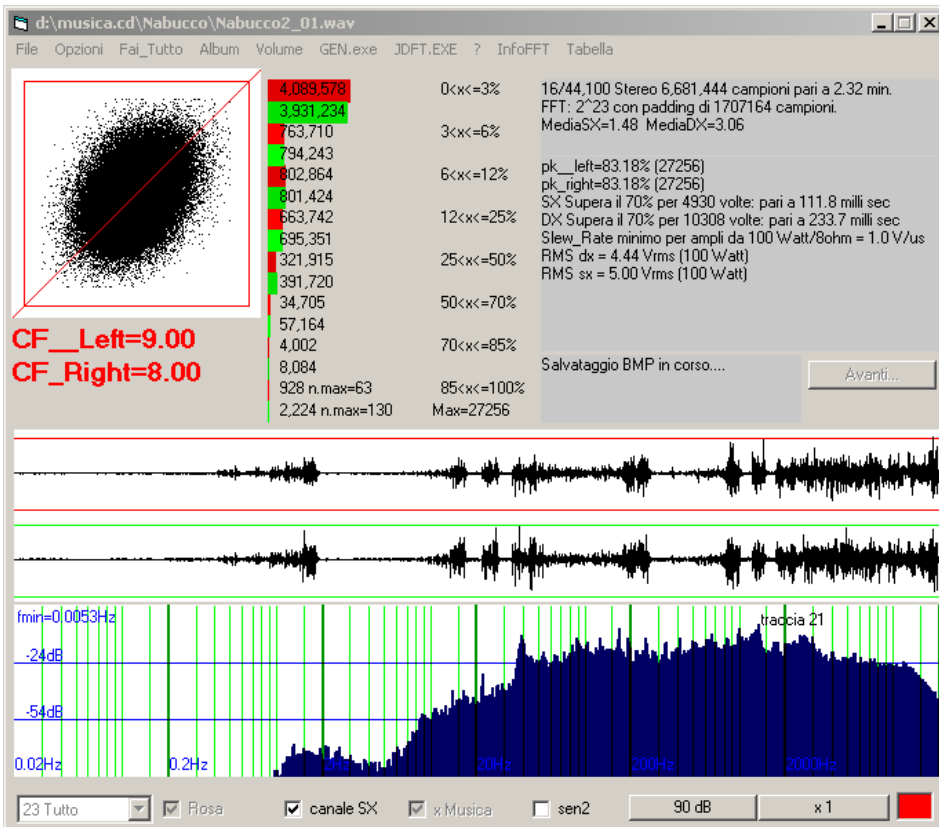


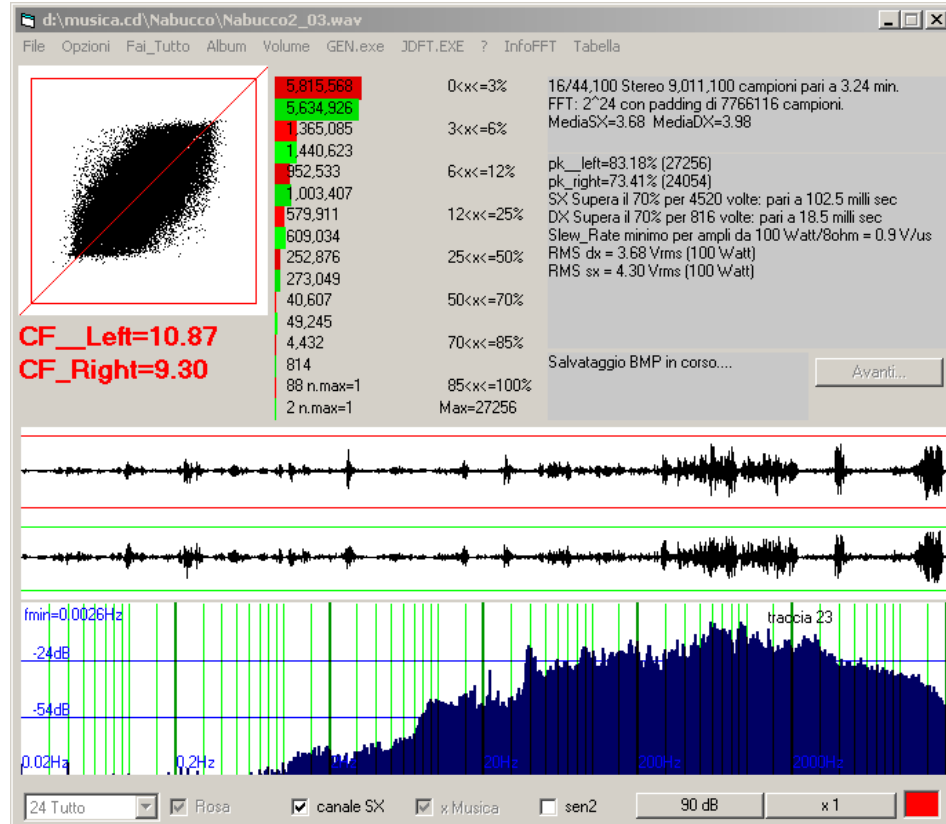
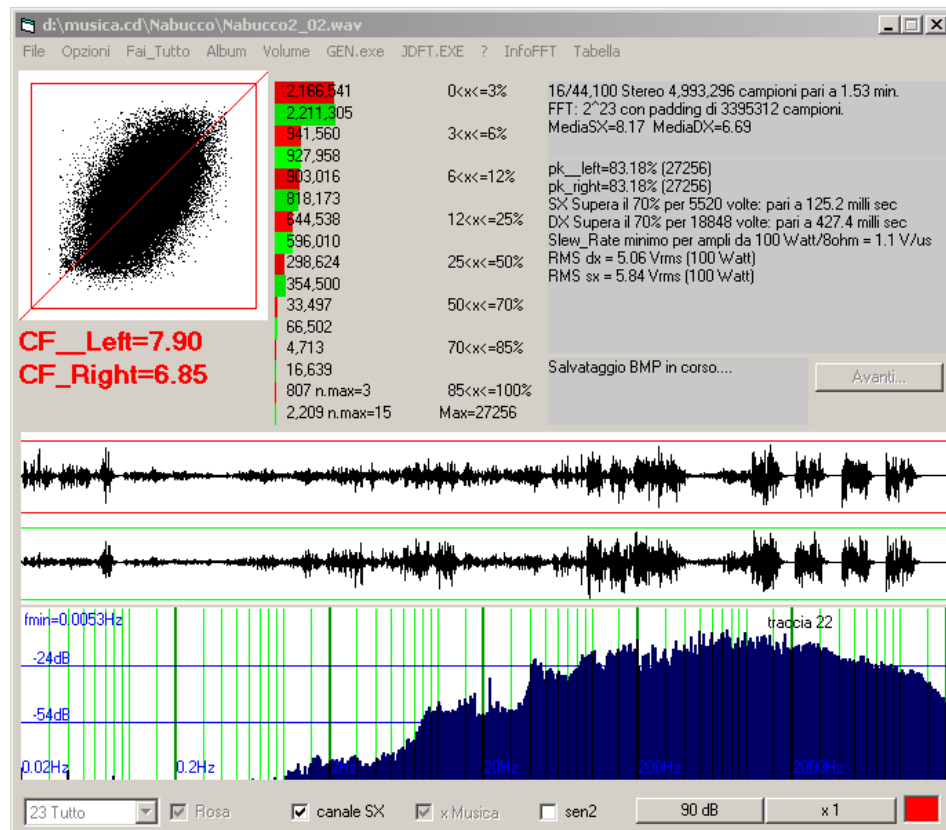


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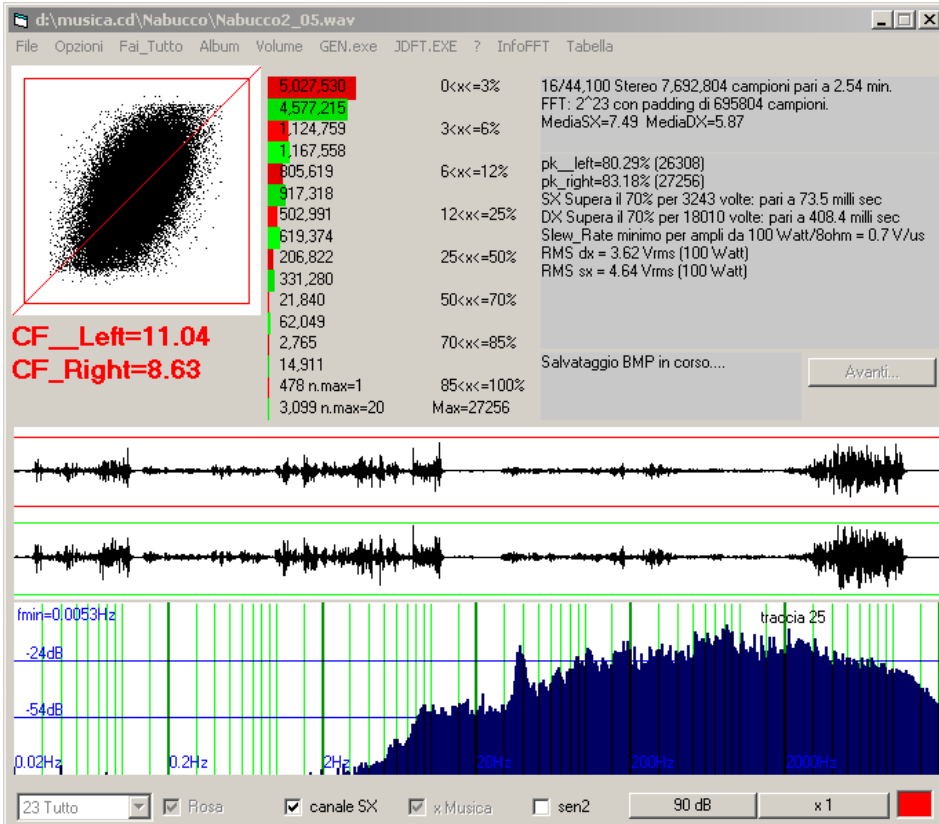
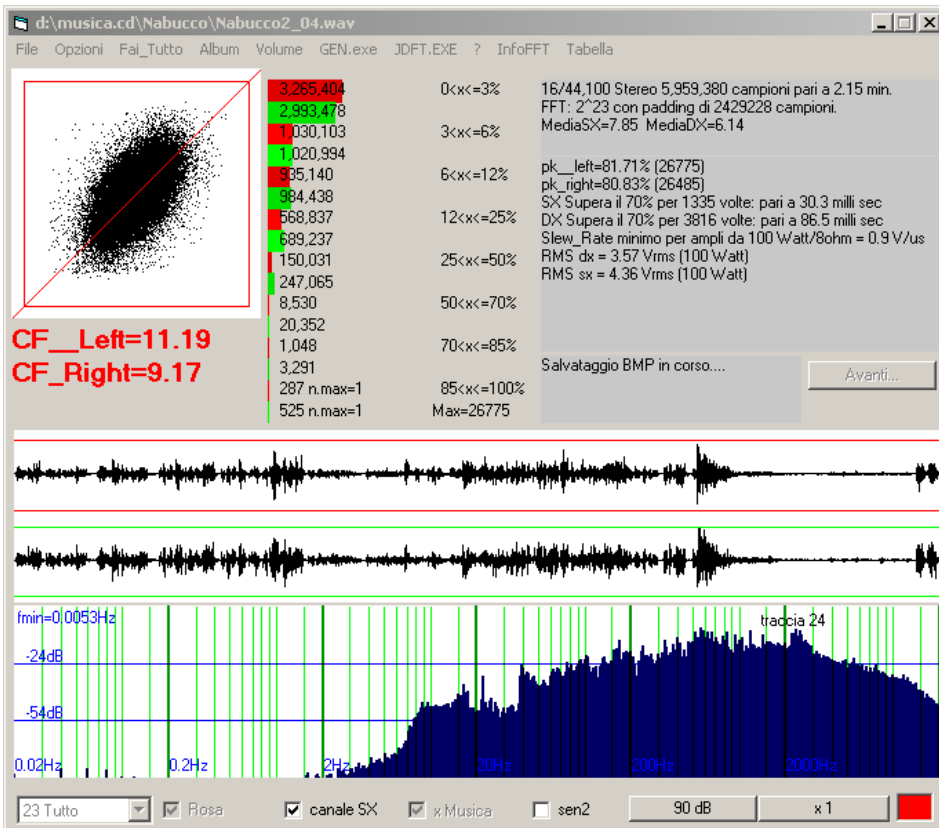


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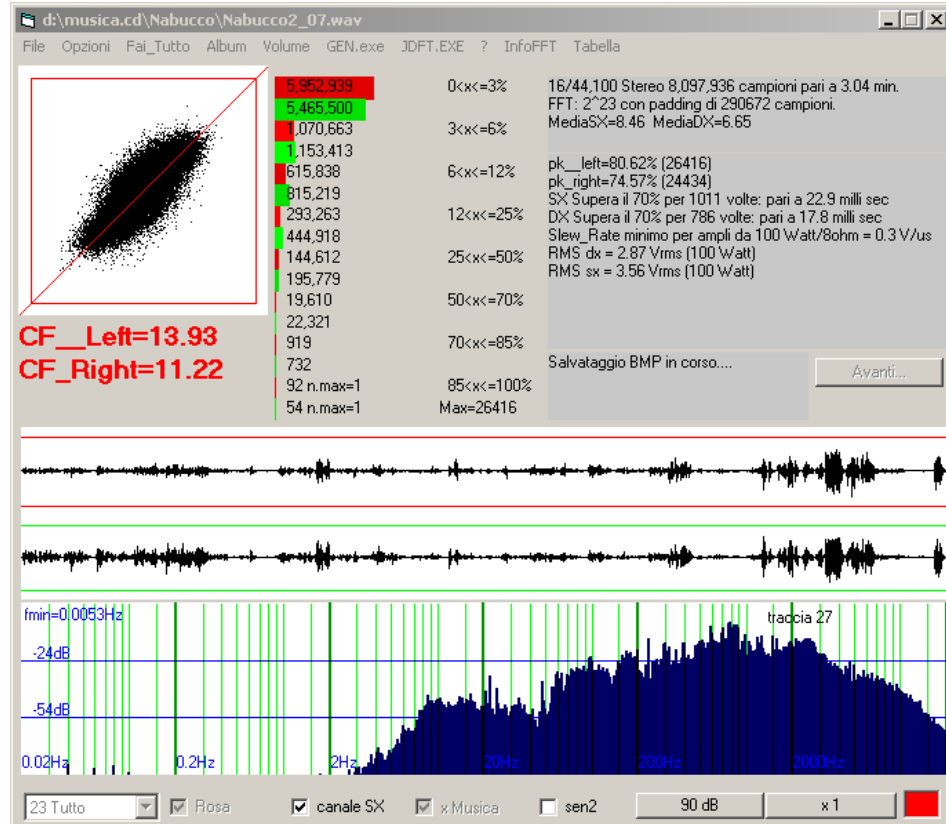
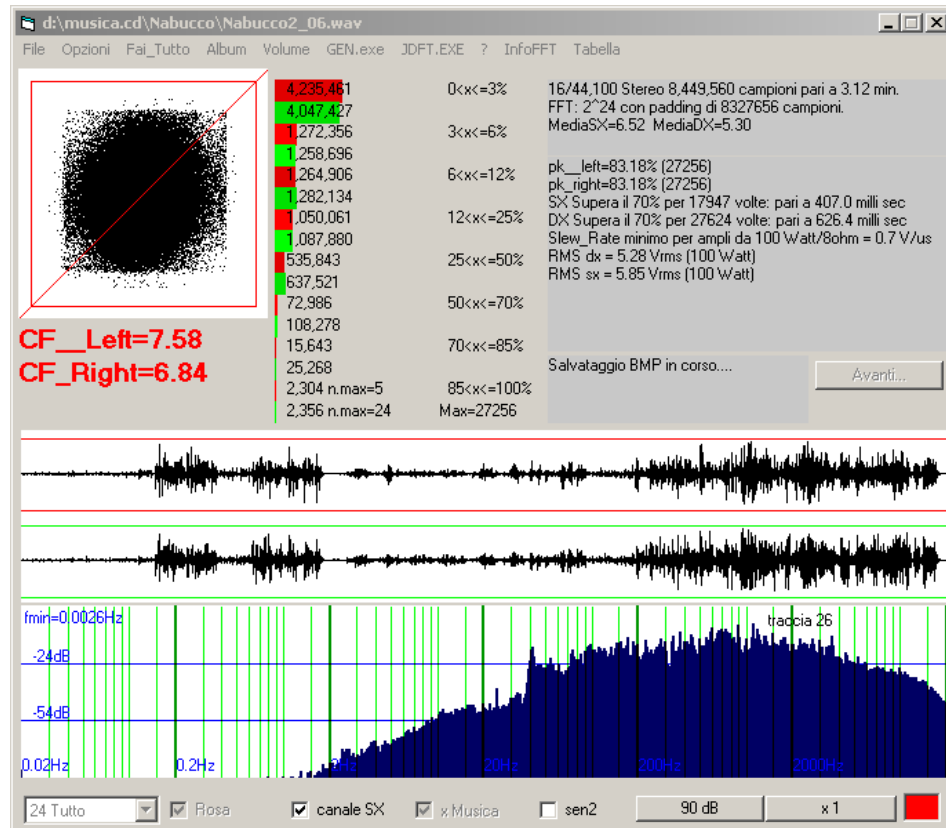




Analisi Spettrale - Mario Bon







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