

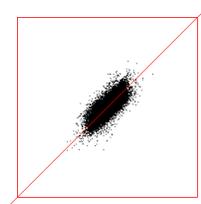
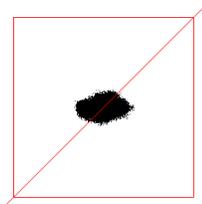
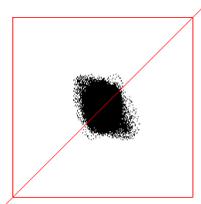
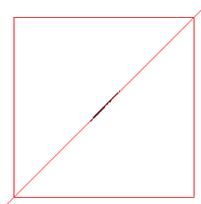
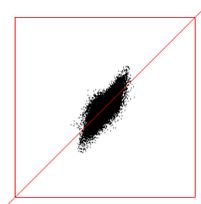
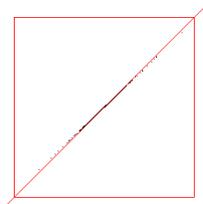
**Fattore di Cresta del segnale musicale
Autori Vari - disco test : Stakkato**

Quella che segue è l'analisi completa del CD "Stakkato" che contiene 12 tracce musicali e 24 tracce contenenti rumori ed effetti speciali (non analizzate). La prima traccia presenta un fattore di cresta molto elevato (oltre 43) con al massimo 7 campioni saturati. Alcune tracce (per esempio la 5 che ha anche il cf più basso) mostrano i segni della compressione.

Traccia	Max	CF	S/R	CF su 250 mS
Stakkato_01	32767	43.22	2.97	2.68
Stakkato_02	16626	11.87	0.23	2.36
Stakkato_03	06722	11.06	0.09	2.23
Stakkato_04	13702	12.17	0.29	2.25
Stakkato_05	11282	5.41	0.41	2.81
Stakkato_06	17100	15.56	0.40	4.27
Stakkato_07	29427	10.96	0.24	4.68
Stakkato_08	26961	10.64	0.19	3.42
Stakkato_09	16454	10.86	0.20	4.07
Stakkato_10	32100	17.28	0.51	5.74
Stakkato_11	06837	19.68	0.34	7.77
Stakkato_12	26658	22.24	1.65	7.67

----- effetti

Stakkato_13	28587	8.68	0.41	3.54
Stakkato_14	32767	37.05	2.75	8.92
Stakkato_15	28157	13.71	2.07	4.11
Stakkato_16	18007	24.34	1.81	5.16
Stakkato_17	32767	18.77	1.68	2.00
Stakkato_18	20664	12.26	0.70	2.35
Stakkato_19	17798	11.74	0.32	4.04
Stakkato_20	16956	7.98	0.28	2.67
Stakkato_21	32767	16.01	0.56	4.66
Stakkato_22	31007	34.58	3.13	3.43
Stakkato_23	32161	17.41	3.15	3.29
Stakkato_24	30864	12.72	0.52	1.84
Stakkato_25	17853	11.34	0.32	4.00
Stakkato_26	32767	13.81	2.01	4.87
Stakkato_27	32767	27.10	1.99	5.52
Stakkato_28	32767	13.32	1.15	3.75
Stakkato_29	32767	23.11	1.72	9.18
Stakkato_30	11730	11.75	0.40	4.05
Stakkato_31	02690	12.43	0.04	5.77
Stakkato_32	00000	n.c.	0.00	n.c.
Stakkato_33	05730	5.73	0.17	4.19
Stakkato_34	32499	2.68	0.24	2.12
Stakkato_35	32261	4.40	0.24	3.93



Traccia 1

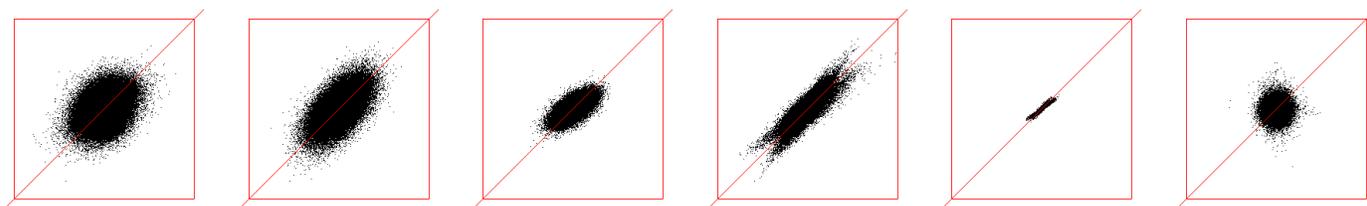
Traccia 2

Traccia 3

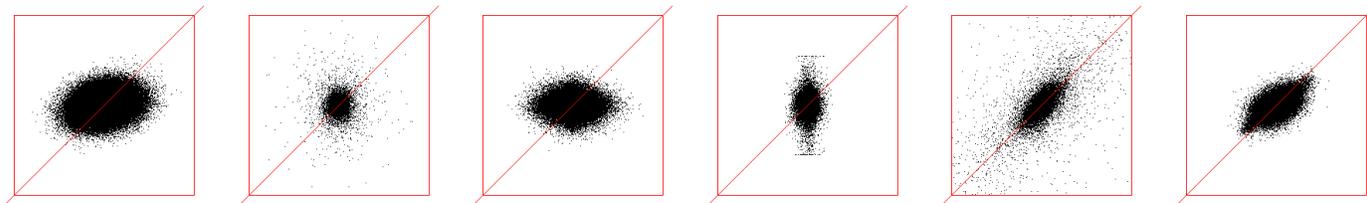
Traccia 4

Traccia 5

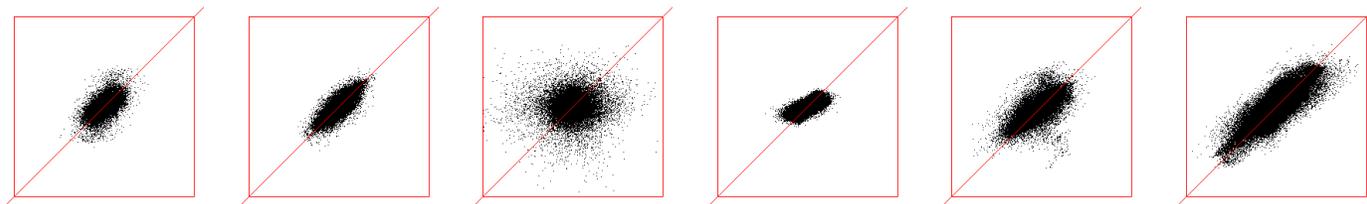
Traccia 6



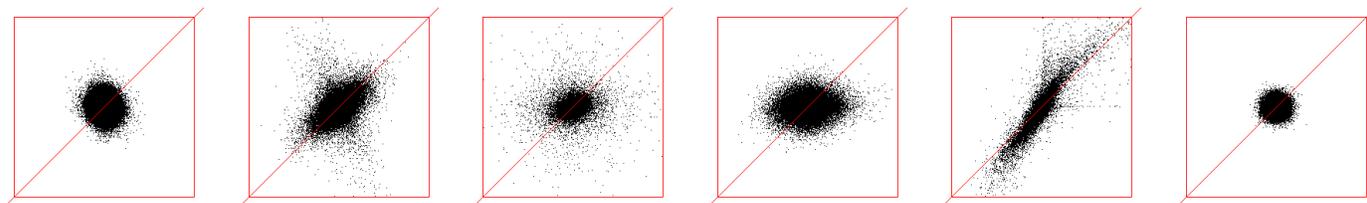
Traccia 7 Traccia 8 Traccia 9 Traccia 10 Traccia 11 Traccia 12



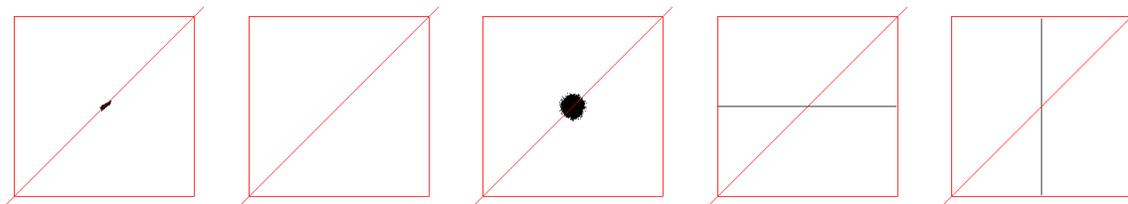
Traccia 13 Traccia 14 Traccia 15 Traccia 16 Traccia 17 Traccia 18



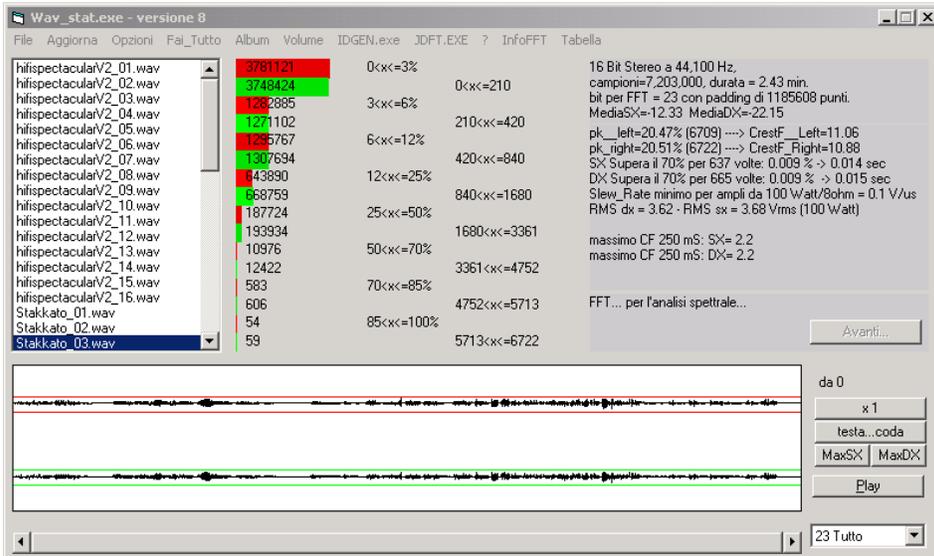
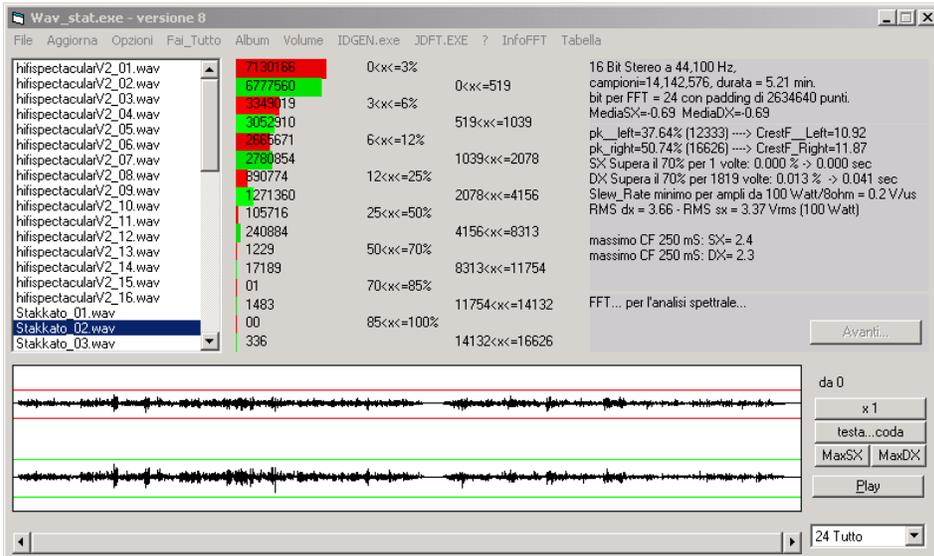
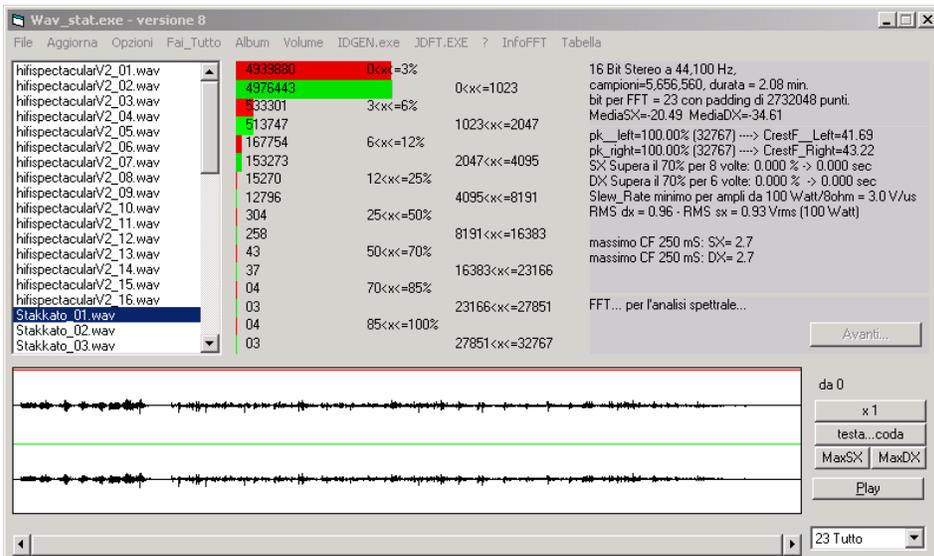
Traccia 19 Traccia 20 Traccia 21 Traccia 22 Traccia 23 Traccia 24



Traccia 25 Traccia 26 Traccia 27 Traccia 28 Traccia 29 Traccia 30



Traccia 31 Traccia 32 Traccia 33 Traccia 34 Traccia 35



Wav_stat.exe - versione 8

File Aggiorna Opzioni Fal_Tutto Album Volume IDGEN.exe JDFT.EXE ? InfoFFT Tabella

hispsectaculaV2_02.wav	5394014	0<x<=3%		16 Bit Stereo a 44,100 Hz, campioni=10,041,864, durata = 3.48 min. bit per FFT = 24 con padding di 6735352 punti. MediaSX=0.63 MediaDX=0.68
hispsectaculaV2_03.wav	4777659		0<x<=428	
hispsectaculaV2_04.wav	1898390	3<x<=6%		pk_left=41.82% (13702) ----> CrestF_Left=12.17 pk_right=36.97% (12115) ----> CrestF_Right=7.62 SX Supera il 70% per 1373 volte: 0.014 % -> 0.031 sec DX Supera il 70% per 2368 volte: 0.030 % -> 0.067 sec Slew_Rate minimo per ampli da 100 Watt/8ohm = 0.3 V/us RMS dx = 3.29 · RMS sx = 5.25 Vrms (100 Watt)
hispsectaculaV2_05.wav	1608974		428<x<=856	
hispsectaculaV2_06.wav	1732138	6<x<=12%		
hispsectaculaV2_07.wav	1738377		856<x<=1712	
hispsectaculaV2_08.wav	799811	12<x<=25%		
hispsectaculaV2_09.wav	1359029		1712<x<=3425	
hispsectaculaV2_10.wav	186191	25<x<=50%		
hispsectaculaV2_11.wav	500564		3425<x<=6851	
hispsectaculaV2_12.wav	9947	50<x<=70%		massimo CF 250 mS: SX= 1.7 massimo CF 250 mS: DX= 2.2
hispsectaculaV2_13.wav	44293		6851<x<=9687	
hispsectaculaV2_14.wav	1223	70<x<=85%		
hispsectaculaV2_15.wav	2904		9687<x<=11646	FFT... per l'analisi spettrale...
hispsectaculaV2_16.wav	150	85<x<=100%		
Stakkato_01.wav				
Stakkato_02.wav				
Stakkato_03.wav				
Stakkato_04.wav	64		11646<x<=13702	

da 0

x 1

testa...coda

MaxSX MaxDX

Play

24 Tutto

Wav_stat.exe - versione 8

File Aggiorna Opzioni Fal_Tutto Album Volume IDGEN.exe JDFT.EXE ? InfoFFT Tabella

hispsectaculaV2_03.wav	1138267	0<x<=3%		16 Bit Stereo a 44,100 Hz, campioni=4,408,236, durata = 1.40 min. bit per FFT = 23 con padding di 3980372 punti. MediaSX=0.70 MediaDX=0.70
hispsectaculaV2_04.wav	1350422		0<x<=352	
hispsectaculaV2_05.wav	519177	3<x<=6%		pk_left=34.43% (11282) ----> CrestF_Left=4.94 pk_right=21.57% (7067) ----> CrestF_Right=5.41 SX Supera il 70% per 19767 volte: 0.448 % -> 0.448 sec DX Supera il 70% per 0 volte: 0.000 % -> 0.000 sec Slew_Rate minimo per ampli da 100 Watt/8ohm = 0.4 V/us RMS dx = 8.09 · RMS sx = 7.40 Vrms (100 Watt)
hispsectaculaV2_06.wav	738110		352<x<=705	
hispsectaculaV2_07.wav	868519	6<x<=12%		
hispsectaculaV2_08.wav	1151444	12<x<=25%		705<x<=1410
hispsectaculaV2_09.wav	1053875		1410<x<=2820	
hispsectaculaV2_10.wav	988331	25<x<=50%		
hispsectaculaV2_11.wav	591860		2820<x<=5641	
hispsectaculaV2_12.wav	179453	50<x<=70%		massimo CF 250 mS: SX= 2.8 massimo CF 250 mS: DX= 2.1
hispsectaculaV2_13.wav	118871		5641<x<=7976	
hispsectaculaV2_14.wav	476	70<x<=85%		
hispsectaculaV2_15.wav	18823		7976<x<=9589	FFT... per l'analisi spettrale...
hispsectaculaV2_16.wav	00	85<x<=100%		
Stakkato_01.wav				
Stakkato_02.wav				
Stakkato_03.wav				
Stakkato_04.wav	944		9589<x<=11282	
Stakkato_05.wav	00			

da 0

x 1

testa...coda

MaxSX MaxDX

Play

23 Tutto

Wav_stat.exe - versione 8

File Aggiorna Opzioni Fal_Tutto Album Volume IDGEN.exe JDFT.EXE ? InfoFFT Tabella

hispsectaculaV2_04.wav	5518749	0<x<=3%		16 Bit Stereo a 44,100 Hz, campioni=8,599,500, durata = 3.15 min. bit per FFT = 24 con padding di 8177716 punti. MediaSX=27.05 MediaDX=44.43
hispsectaculaV2_05.wav	5446029		0<x<=534	
hispsectaculaV2_06.wav	1400551	3<x<=6%		pk_left=50.35% (16499) ----> CrestF_Left=15.56 pk_right=52.19% (17100) ----> CrestF_Right=14.90 SX Supera il 70% per 78 volte: 0.001 % -> 0.002 sec DX Supera il 70% per 298 volte: 0.003 % -> 0.007 sec Slew_Rate minimo per ampli da 100 Watt/8ohm = 0.4 V/us RMS dx = 2.57 · RMS sx = 2.69 Vrms (100 Watt)
hispsectaculaV2_07.wav	1343388		534<x<=1068	
hispsectaculaV2_08.wav	1147420	6<x<=12%		
hispsectaculaV2_09.wav	1130589	12<x<=25%		1068<x<=2137
hispsectaculaV2_10.wav	468132		2137<x<=4275	
hispsectaculaV2_11.wav	541387	25<x<=50%		
hispsectaculaV2_12.wav	63117	50<x<=70%		4275<x<=8550
hispsectaculaV2_13.wav	84214		8550<x<=12089	massimo CF 250 mS: SX= 4.3 massimo CF 250 mS: DX= 4.2
hispsectaculaV2_14.wav	1453	70<x<=85%		
hispsectaculaV2_15.wav	3595		12089<x<=14534	FFT... per l'analisi spettrale...
hispsectaculaV2_16.wav	68	85<x<=100%		
Stakkato_01.wav				
Stakkato_02.wav				
Stakkato_03.wav				
Stakkato_04.wav	256			
Stakkato_05.wav	10			
Stakkato_06.wav	42		14534<x<=17100	

da 0

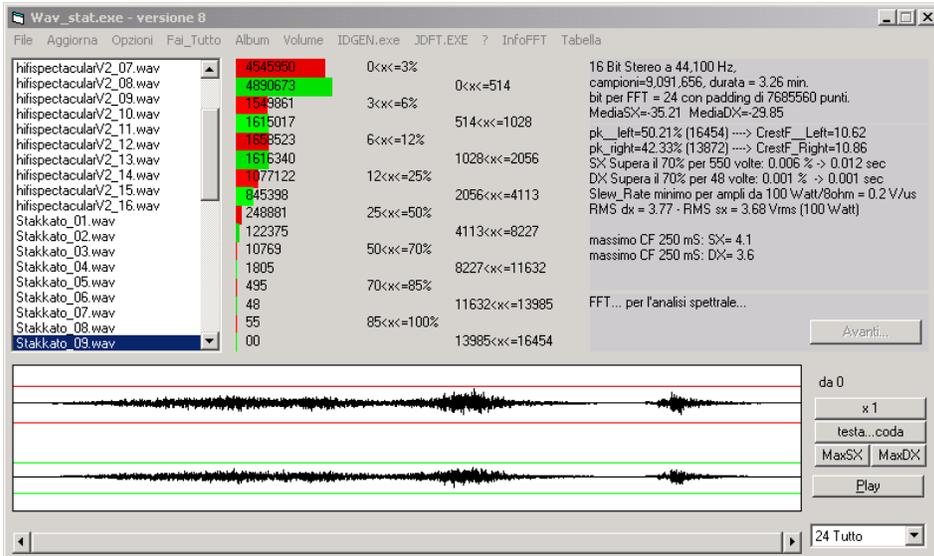
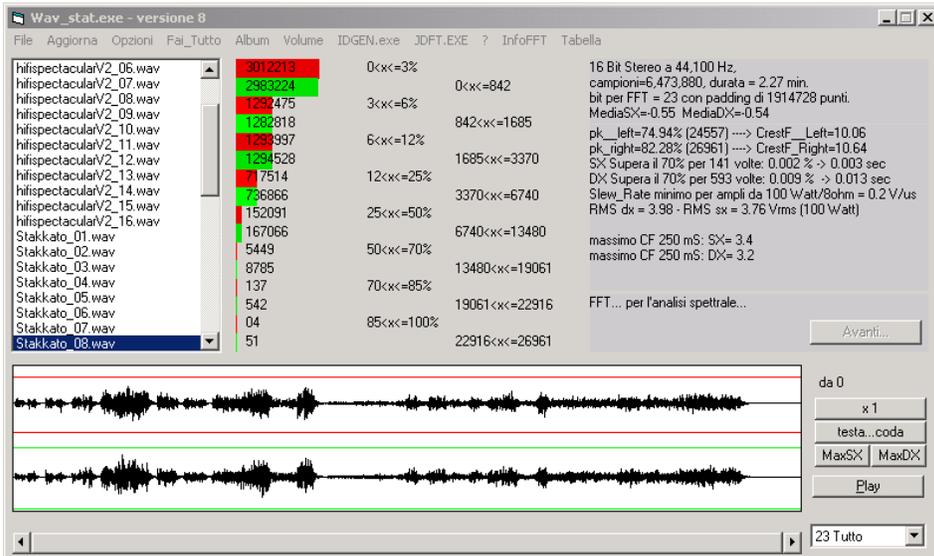
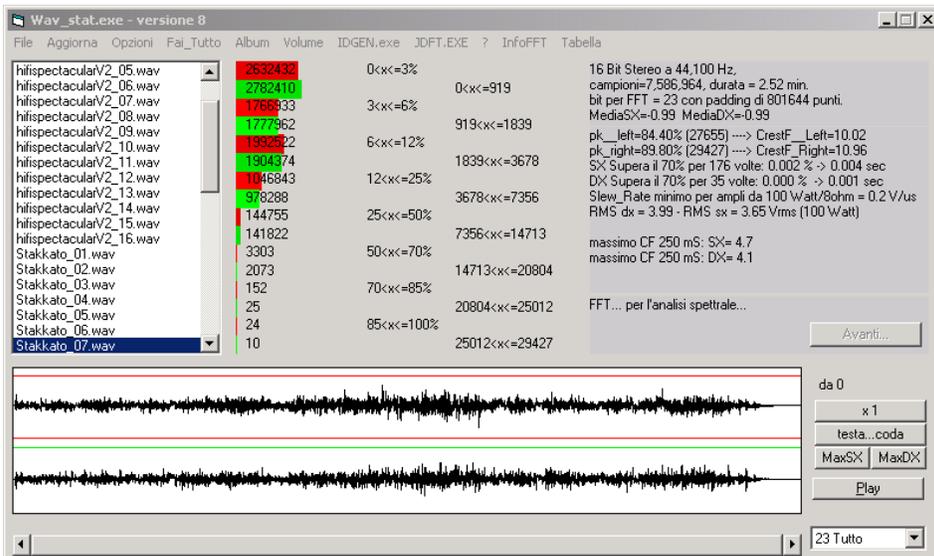
x 1

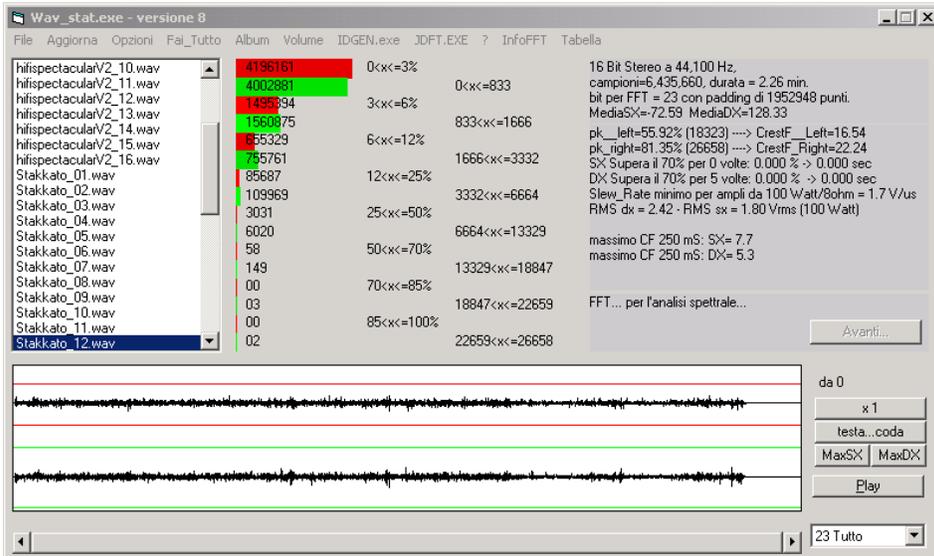
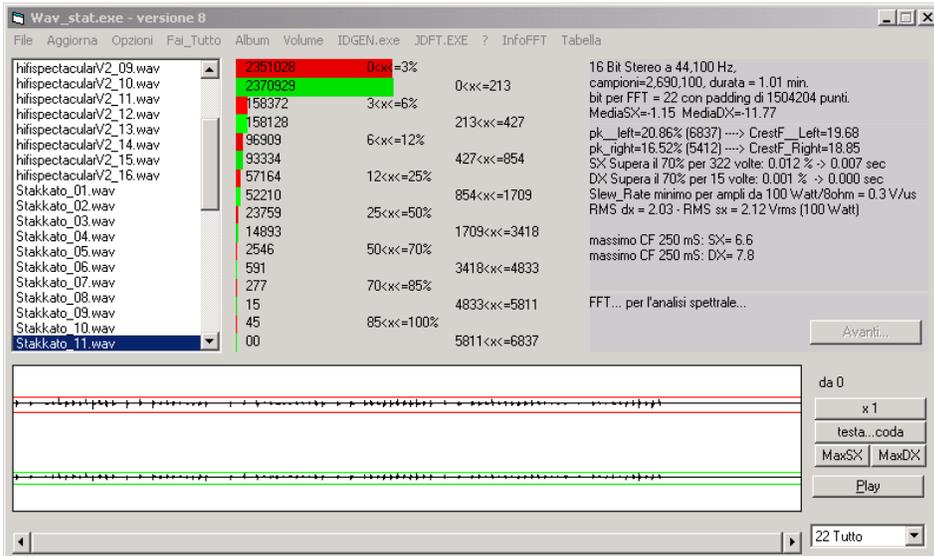
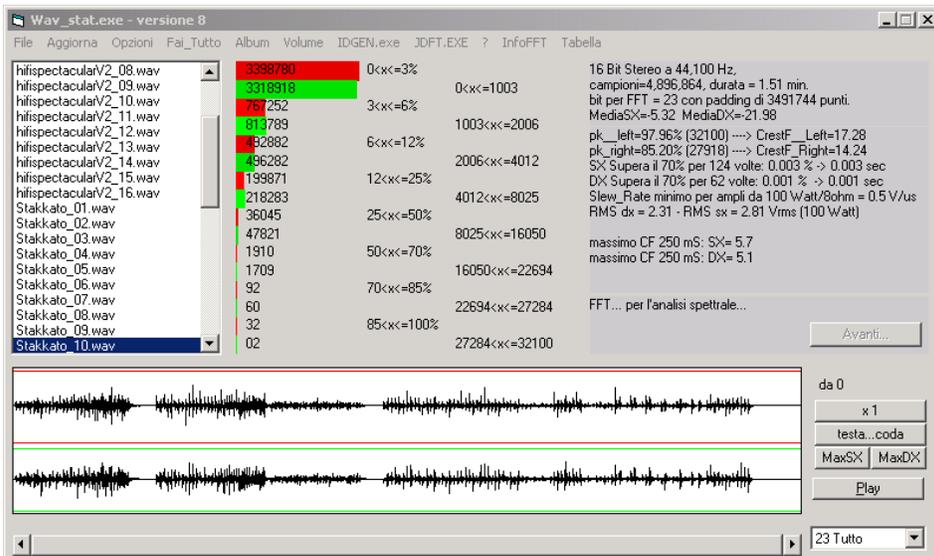
testa...coda

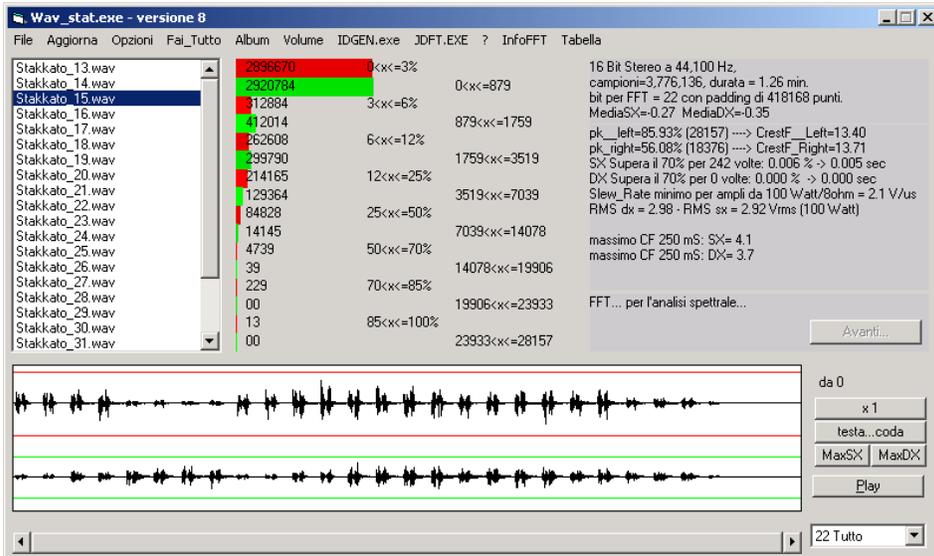
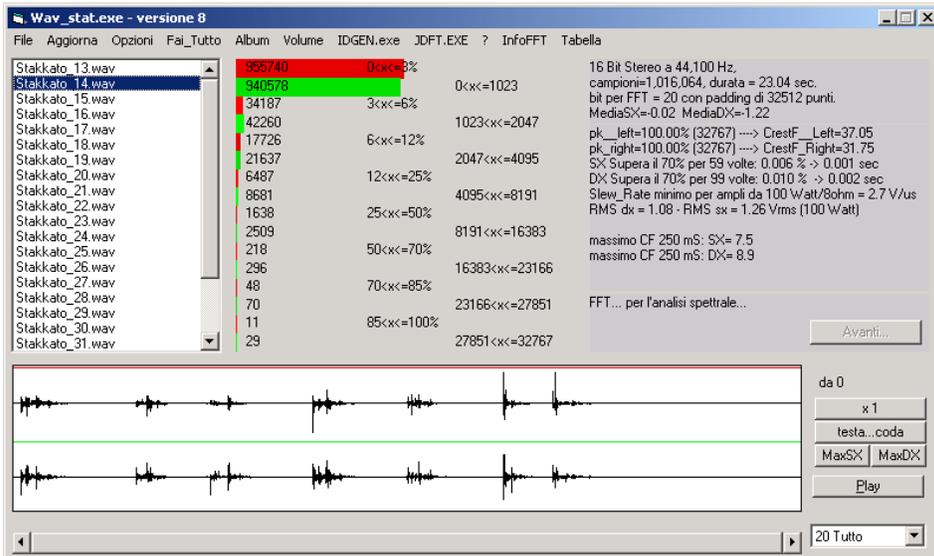
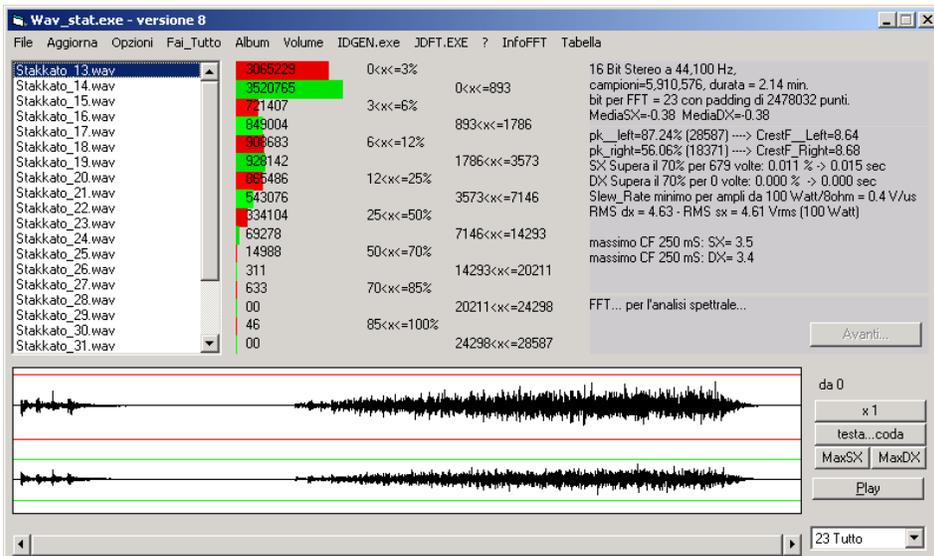
MaxSX MaxDX

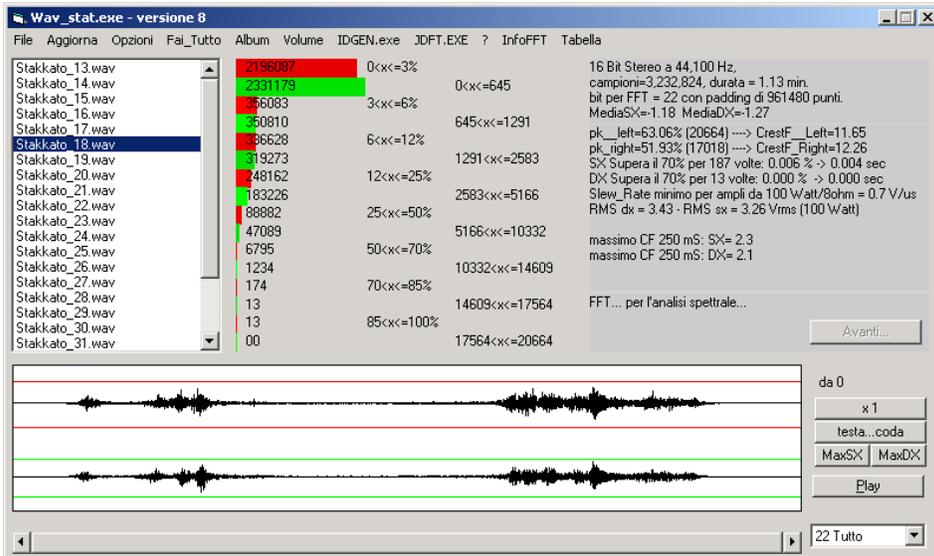
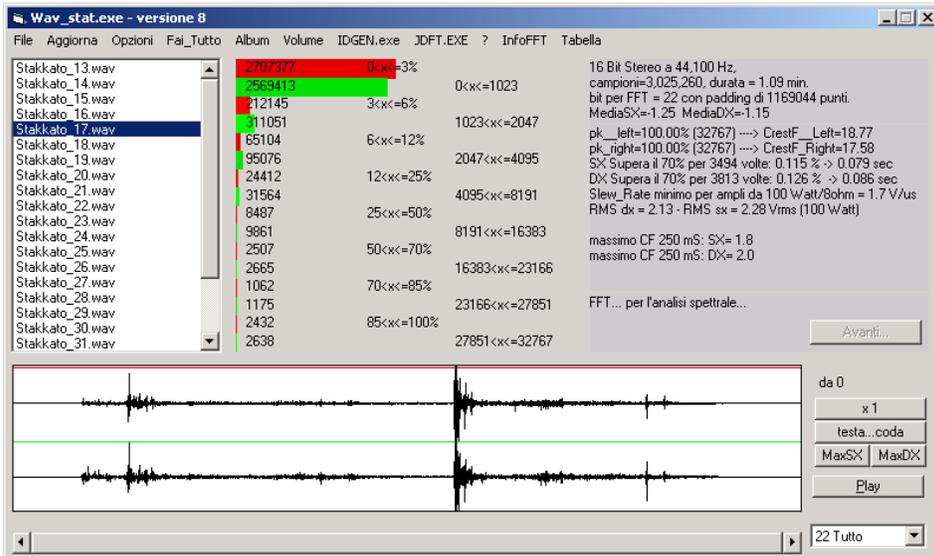
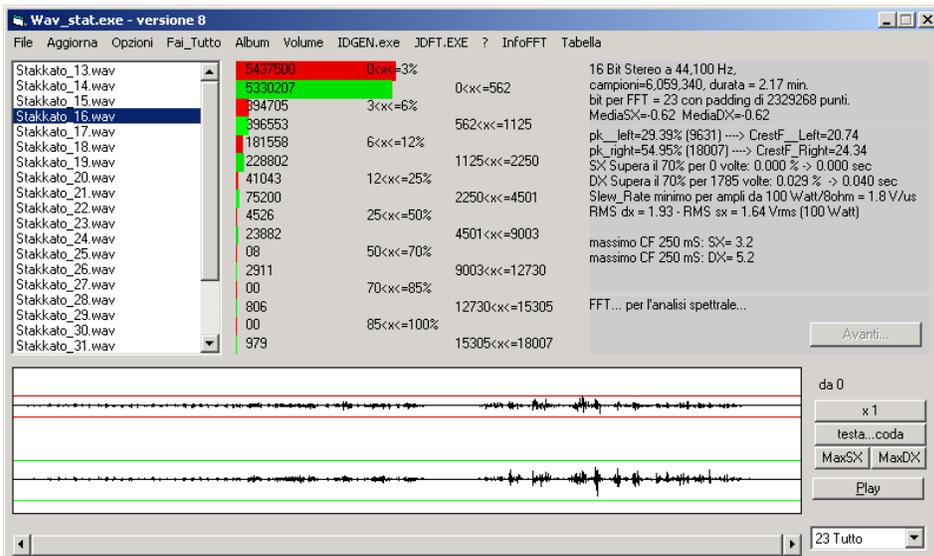
Play

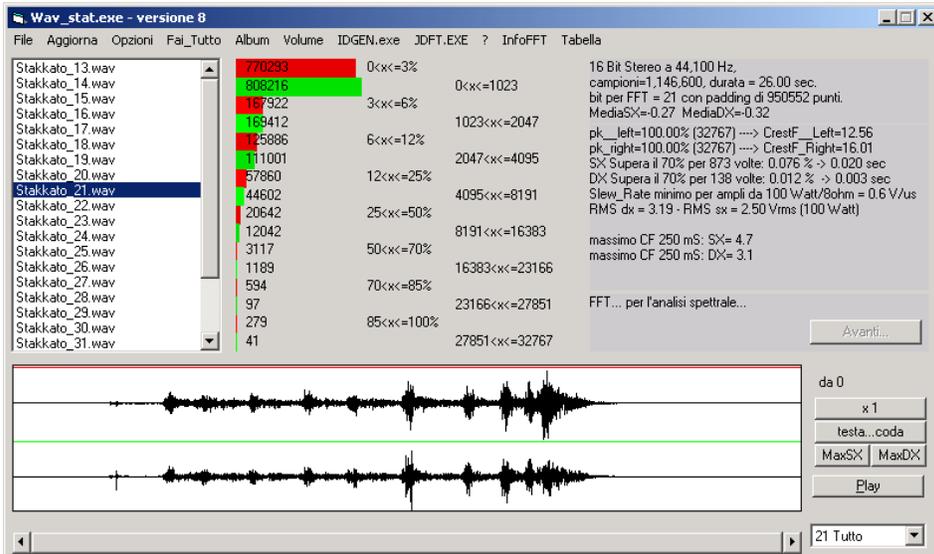
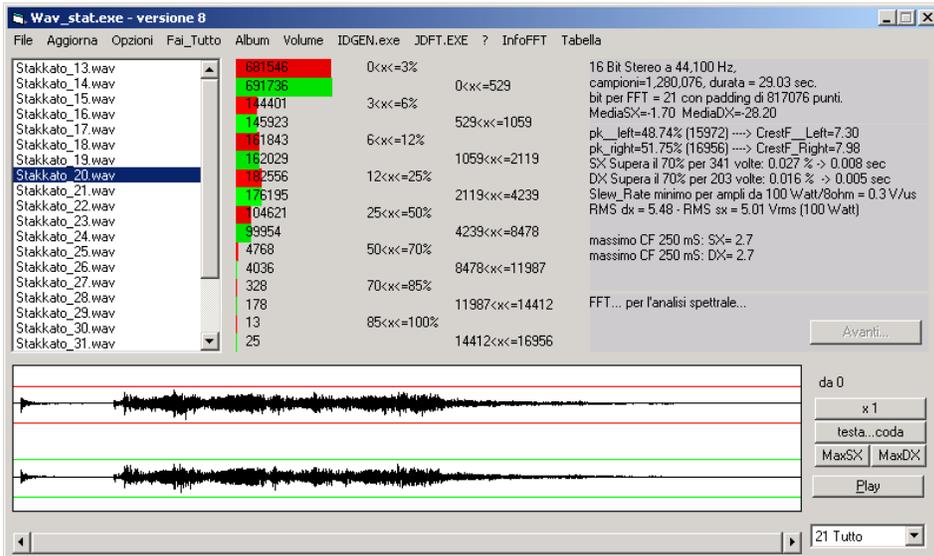
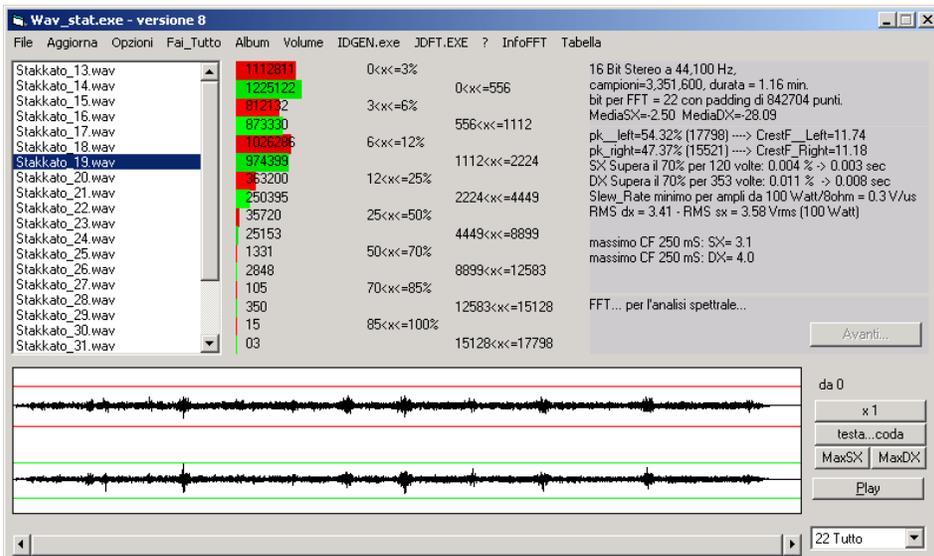
24 Tutto











Wav_stat.exe - versione 8

File Aggiorna Opzioni Fal_Tutto Album Volume IDGEN.exe JDFT.EXE ? InfoFFT Tabella

File	Volume	IDGEN.exe	JDFT.EXE	InfoFFT
Stakkato_13.wav	3782291	0<x<=3%		
Stakkato_14.wav	4050028		0<x<=968	
Stakkato_15.wav	711562	3<x<=6%		
Stakkato_16.wav	534671		968<x<=1937	
Stakkato_17.wav	377539	6<x<=12%		
Stakkato_18.wav	259533		1937<x<=3875	
Stakkato_19.wav	89683	12<x<=25%		
Stakkato_20.wav	20247		3875<x<=7751	
Stakkato_21.wav	3404	25<x<=50%		
Stakkato_22.wav	03		7751<x<=15503	
Stakkato_23.wav	04	50<x<=70%		massimo CF 250 mS: SX= 3.3
Stakkato_24.wav	00		15503<x<=21921	massimo CF 250 mS: DX= 3.4
Stakkato_25.wav	01	70<x<=85%		
Stakkato_26.wav	00		21921<x<=26355	FFT... per l'analisi spettrale...
Stakkato_27.wav	00			
Stakkato_28.wav	00	85<x<=100%		
Stakkato_29.wav	00			
Stakkato_30.wav	02		26355<x<=31007	
Stakkato_31.wav				

16 Bit Stereo a 44,100 Hz, campioni=4,964,484, durata = 1.53 min. bit per FFT = 23 con padding di 3424124 punti. MediaSX=13.16 MediaDX=11.13

pk_left=77.24% (25309) ----> CrestF_Left=20.97
 pk_right=34.63% (31007) ----> CrestF_Right=34.58
 SX Supera il 70% per 1 volte: 0.000 % -> 0.000 sec
 DX Supera il 70% per 2 volte: 0.000 % -> 0.000 sec
 Slew_Rate minimo per ampli da 100 Watt/8ohm = 3.1 V/us
 RMS dx = 1.91 - RMS sx = 1.16 Vrms (100 Watt)

Avanti...

da 0

x 1

testa...coda

MaxSX MaxDX

Play

23 Tutto

Wav_stat.exe - versione 8

File Aggiorna Opzioni Fal_Tutto Album Volume IDGEN.exe JDFT.EXE ? InfoFFT Tabella

File	Volume	IDGEN.exe	JDFT.EXE	InfoFFT
Stakkato_13.wav	2100241	0<x<=3%		
Stakkato_14.wav	2246982		0<x<=1005	
Stakkato_15.wav	482180	3<x<=6%		
Stakkato_16.wav	479049		1005<x<=2010	
Stakkato_17.wav	437349	6<x<=12%		
Stakkato_18.wav	386284		2010<x<=4020	
Stakkato_19.wav	222962	12<x<=25%		
Stakkato_20.wav	151161		4020<x<=8040	
Stakkato_21.wav	40220	25<x<=50%		
Stakkato_22.wav	21052		8040<x<=16080	
Stakkato_23.wav	983	50<x<=70%		massimo CF 250 mS: SX= 3.1
Stakkato_24.wav	345		16080<x<=22737	massimo CF 250 mS: DX= 3.3
Stakkato_25.wav	43	70<x<=85%		
Stakkato_26.wav	06		22737<x<=27336	FFT... per l'analisi spettrale...
Stakkato_27.wav	02			
Stakkato_28.wav	01	85<x<=100%		
Stakkato_29.wav			27336<x<=32161	
Stakkato_30.wav				
Stakkato_31.wav				

16 Bit Stereo a 44,100 Hz, campioni=3,283,980, durata = 1.14 min. bit per FFT = 22 con padding di 910324 punti. MediaSX=0.85 MediaDX=0.86

pk_left=88.22% (28907) ----> CrestF_Left=12.97
 pk_right=98.15% (32161) ----> CrestF_Right=17.41
 SX Supera il 70% per 45 volte: 0.001 % -> 0.001 sec
 DX Supera il 70% per 7 volte: 0.000 % -> 0.000 sec
 Slew_Rate minimo per ampli da 100 Watt/8ohm = 3.2 V/us
 RMS dx = 3.08 - RMS sx = 2.30 Vrms (100 Watt)

Avanti...

da 0

x 1

testa...coda

MaxSX MaxDX

Play

22 Tutto

Wav_stat.exe - versione 8

File Aggiorna Opzioni Fal_Tutto Album Volume IDGEN.exe JDFT.EXE ? InfoFFT Tabella

File	Volume	IDGEN.exe	JDFT.EXE	InfoFFT
Stakkato_13.wav	3134658	0<x<=3%		
Stakkato_14.wav	3582268		0<x<=964	
Stakkato_15.wav	1007894	3<x<=6%		
Stakkato_16.wav	809247		964<x<=1929	
Stakkato_17.wav	850012	6<x<=12%		
Stakkato_18.wav	497656		1929<x<=3858	
Stakkato_19.wav	800156	12<x<=25%		
Stakkato_20.wav	240119		3858<x<=7716	
Stakkato_21.wav	137295	25<x<=50%		
Stakkato_22.wav	111885		7716<x<=15432	
Stakkato_23.wav	16734	50<x<=70%		massimo CF 250 mS: SX= 1.7
Stakkato_24.wav	6673		15432<x<=21820	massimo CF 250 mS: DX= 1.8
Stakkato_25.wav	990	70<x<=85%		
Stakkato_26.wav	46		21820<x<=26234	FFT... per l'analisi spettrale...
Stakkato_27.wav	161			
Stakkato_28.wav	06	85<x<=100%		
Stakkato_29.wav			26234<x<=30864	
Stakkato_30.wav				
Stakkato_31.wav				

16 Bit Stereo a 44,100 Hz, campioni=5,247,900, durata = 1.59 min. bit per FFT = 23 con padding di 3140708 punti. MediaSX=87.28 MediaDX=60.38

pk_left=94.19% (30864) ----> CrestF_Left=11.43
 pk_right=88.76% (29085) ----> CrestF_Right=12.72
 SX Supera il 70% per 1151 volte: 0.022 % -> 0.026 sec
 DX Supera il 70% per 52 volte: 0.001 % -> 0.001 sec
 Slew_Rate minimo per ampli da 100 Watt/8ohm = 0.5 V/us
 RMS dx = 3.50 - RMS sx = 3.15 Vrms (100 Watt)

Avanti...

da 0

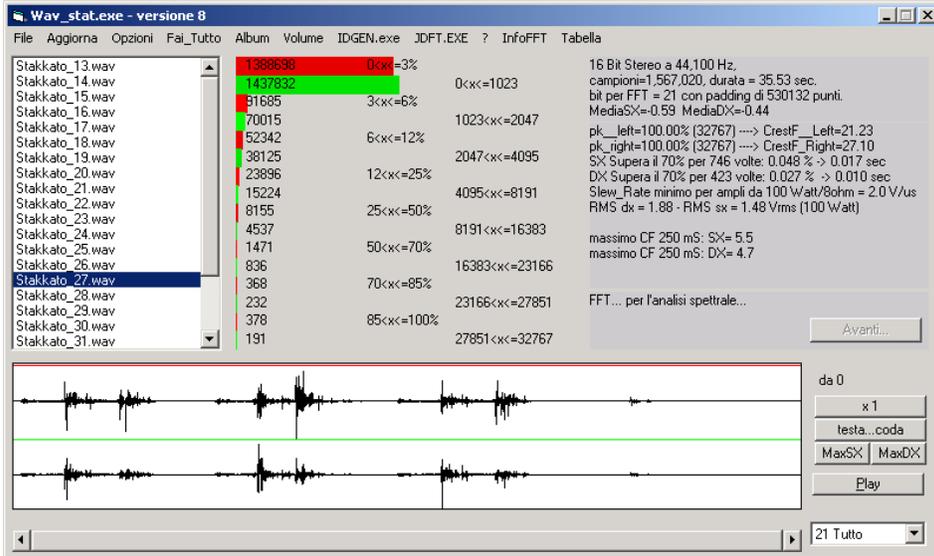
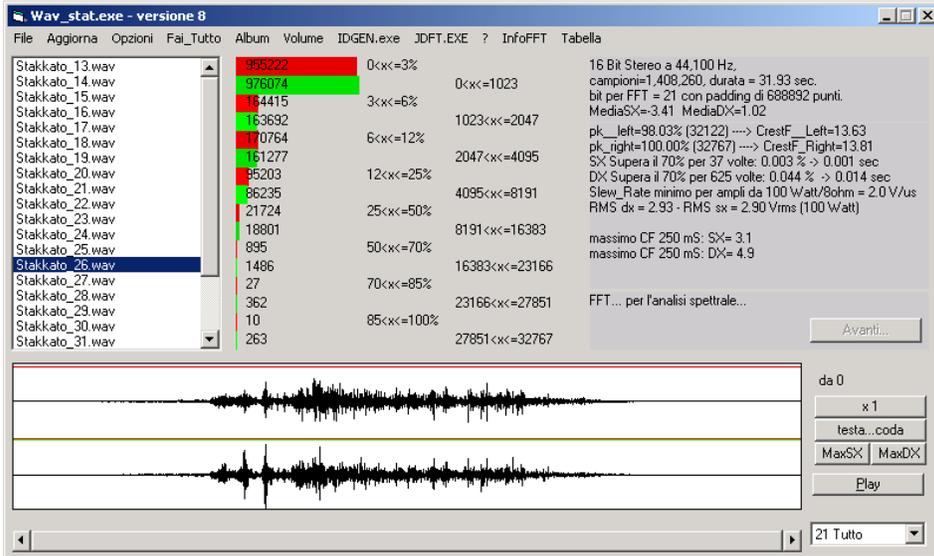
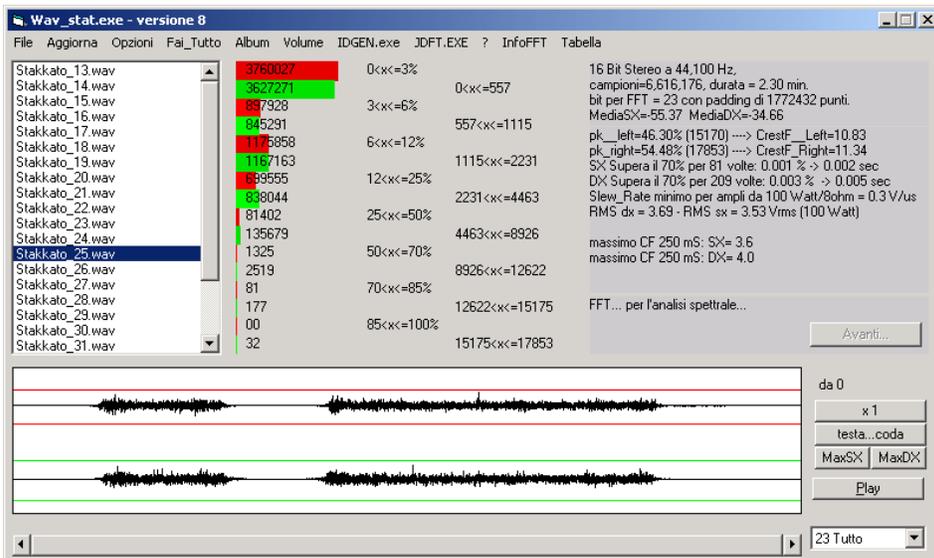
x 1

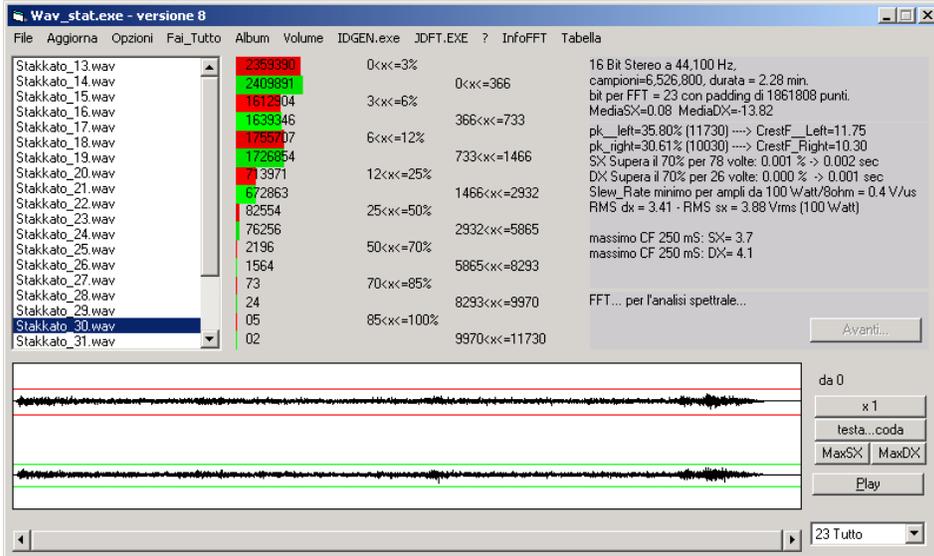
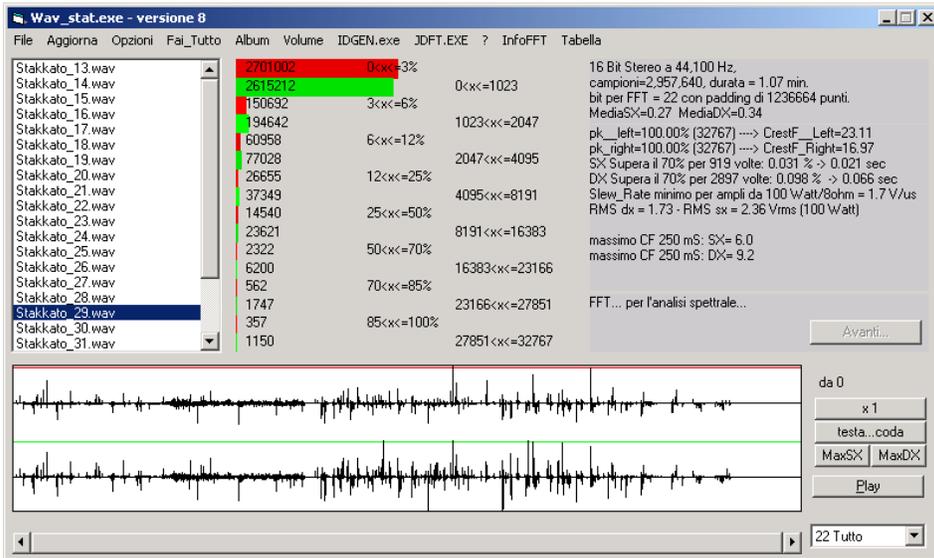
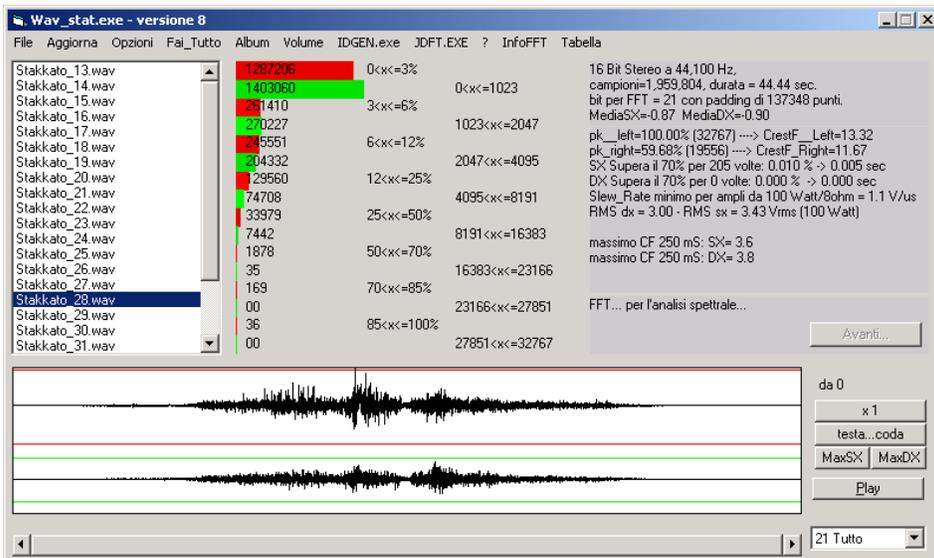
testa...coda

MaxSX MaxDX

Play

23 Tutto





Wav_stat.exe - versione 8

File	Album	Volume	IDGEN.exe	JDFT.EXE	InfoFFT	Tabella
Stakkato_13.wav		1020571	0<x<=3%			16 Bit Stereo a 44,100 Hz, campioni=1,400,616, durata = 31.76 sec. bit per FFT = 21 con padding di 696536 punti. MediaSX=0.55 MediaDX=0.36
Stakkato_14.wav		1030317	0<x<=84			
Stakkato_15.wav		14266	3<x<=6%			pk_left=8.21% (2690) ----> CrestF_Left=12.43 pk_right=6.44% (2109) ----> CrestF_Right=11.50 SX Supera il 70% per 285 volte: 0.020 % -> 0.006 sec DX Supera il 70% per 12 volte: 0.001 % -> 0.000 sec Slew_Rate minimo per ampli da 100 Watt/8ohm = 0.0 V/us RMS dx = 3.22 - RMS sx = 3.48 Vrms (100 Watt)
Stakkato_16.wav		14523		84<x<=168		
Stakkato_17.wav		20837	6<x<=12%			
Stakkato_18.wav		34722		168<x<=336		
Stakkato_19.wav		08409	12<x<=25%			
Stakkato_20.wav		03167		336<x<=672		
Stakkato_21.wav		34635	25<x<=50%			
Stakkato_22.wav		17457		672<x<=1345		
Stakkato_23.wav		1613	50<x<=70%			massimo CF 250 mS: SX= 5.0 massimo CF 250 mS: DX= 6.8
Stakkato_24.wav		418		1345<x<=1901		
Stakkato_25.wav		247	70<x<=85%			
Stakkato_26.wav		12		1901<x<=2286		FFT... per l'analisi spettrale...
Stakkato_27.wav		38	85<x<=100%			
Stakkato_28.wav		00		2286<x<=2690		
Stakkato_29.wav						
Stakkato_30.wav						
Stakkato_31.wav						

da 0

x 1

testa...coda

MaxSX MaxDX

Play

21 Tutto

Wav_stat.exe - versione 8

File	Album	Volume	IDGEN.exe	JDFT.EXE	InfoFFT	Tabella
Stakkato_14.wav		1549380	0<x<=3%			16 Bit Stereo a 44,100 Hz, campioni=1,549,380, durata = 35.13 sec. bit per FFT = 21 con padding di 547772 punti. MediaSX=0.00 MediaDX=0.00
Stakkato_15.wav		1549380	0<x<=0			
Stakkato_16.wav		00	3<x<=6%			
Stakkato_17.wav		00	0<x<=0			
Stakkato_18.wav		00	6<x<=12%			
Stakkato_19.wav		00	0<x<=0			SX Supera il 70% per 0 volte: 0.000 % -> 0.000 sec Slew_Rate minimo per ampli da 100 Watt/8ohm = 0.0 V/us RMS dx = -1.#IND - RMS sx = 1.#INF Vrms (100 Watt)
Stakkato_20.wav		00	12<x<=25%			
Stakkato_21.wav		00	0<x<=0			
Stakkato_22.wav		00	25<x<=50%			massimo CF 250 mS: SX= -1.#IND massimo CF 250 mS: DX= -1.#IND
Stakkato_23.wav		00	0<x<=0			
Stakkato_24.wav		00	50<x<=70%			
Stakkato_25.wav		00	0<x<=0			
Stakkato_26.wav		00	70<x<=85%			
Stakkato_27.wav		00	0<x<=0			FFT... per l'analisi spettrale...
Stakkato_28.wav		00	0<x<=0			
Stakkato_29.wav		00	85<x<=100%			
Stakkato_30.wav		00				
Stakkato_31.wav		00				
Stakkato_32.wav		00				

da 0

x 1

testa...coda

MaxSX MaxDX

Play

21 Tutto

Wav_stat.exe - versione 8

File	Album	Volume	IDGEN.exe	JDFT.EXE	InfoFFT	Tabella
Stakkato_15.wav		494631	0<x<=3%			16 Bit Stereo a 44,100 Hz, campioni=2,207,940, durata = 50.07 sec. bit per FFT = 22 con padding di 1986364 punti. MediaSX=3.18 MediaDX=3.39
Stakkato_16.wav		486631	0<x<=179			
Stakkato_17.wav		262297	3<x<=6%			
Stakkato_18.wav		254625		179<x<=358		
Stakkato_19.wav		472843	6<x<=12%			pk_left=17.45% (5719) ----> CrestF_Left=5.73 pk_right=17.49% (5730) ----> CrestF_Right=5.56 SX Supera il 70% per 434 volte: 0.020 % -> 0.010 sec DX Supera il 70% per 708 volte: 0.032 % -> 0.016 sec Slew_Rate minimo per ampli da 100 Watt/8ohm = 0.2 V/us RMS dx = 6.98 - RMS sx = 7.19 Vrms (100 Watt)
Stakkato_20.wav		462359		358<x<=716		
Stakkato_21.wav		636625	12<x<=25%			
Stakkato_22.wav		635591		716<x<=1432		
Stakkato_23.wav		327138	25<x<=50%			massimo CF 250 mS: SX= 4.2 massimo CF 250 mS: DX= 3.7
Stakkato_24.wav		349636	50<x<=70%			
Stakkato_25.wav		13912		1432<x<=2865		
Stakkato_26.wav		413	70<x<=85%			
Stakkato_27.wav		17740		2865<x<=4051		
Stakkato_28.wav		413				FFT... per l'analisi spettrale...
Stakkato_29.wav		658	85<x<=100%			
Stakkato_30.wav		21		4051<x<=4870		
Stakkato_31.wav		50		4870<x<=5730		
Stakkato_32.wav						
Stakkato_33.wav						

da 0

x 1

testa...coda

MaxSX MaxDX

Play

22 Tutto

