

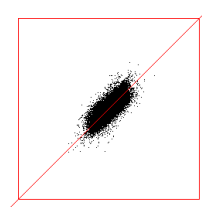
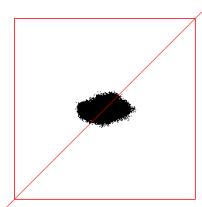
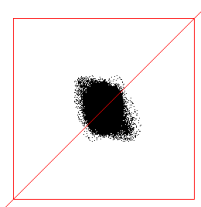
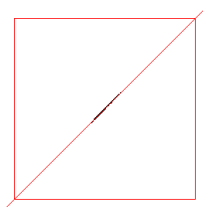
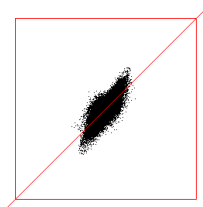
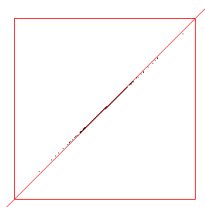
**Fattore di Cresta del segnale musicale  
Autori Vari - disco test : Stakkato**

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

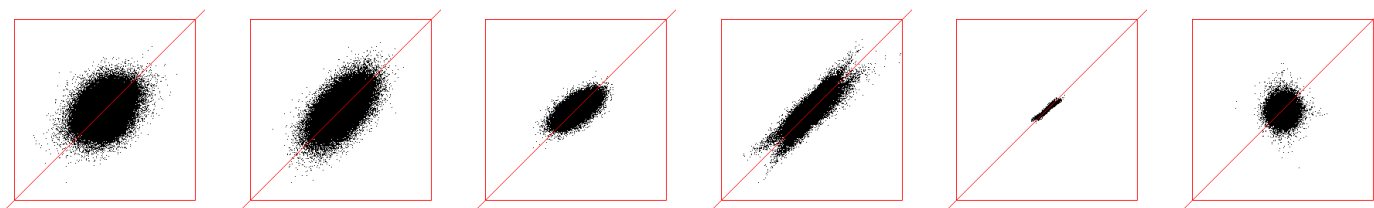
Traccia 2

Traccia 3

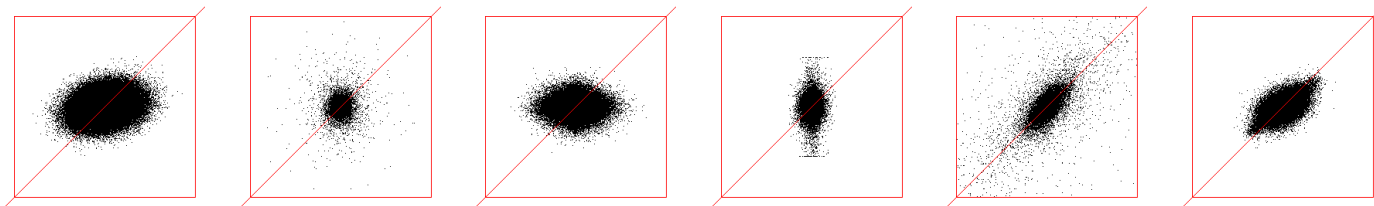
Traccia 4

Traccia 5

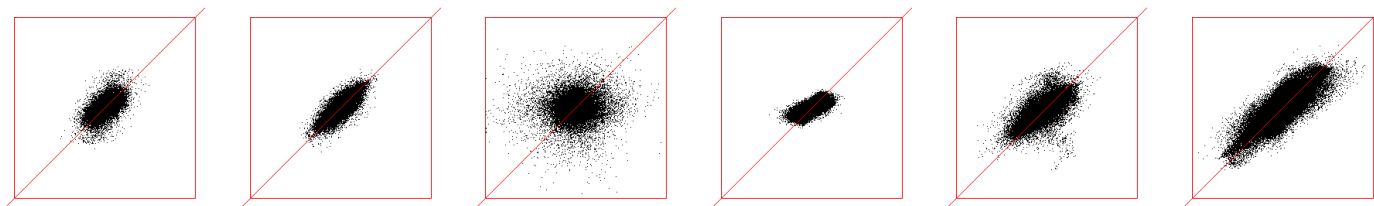
Traccia 6



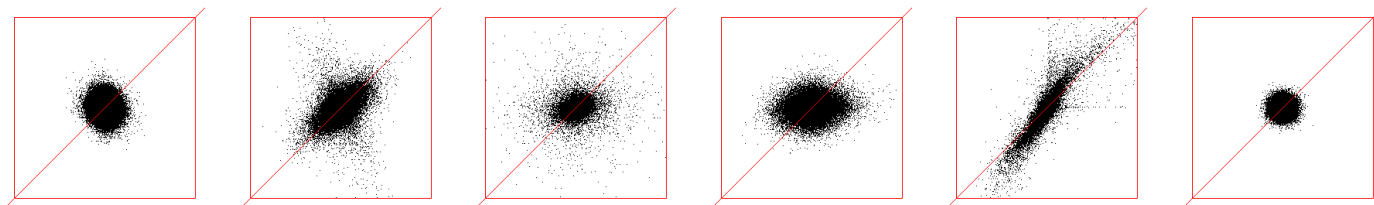
Traccia 7      Traccia 8      Traccia 9      Traccia 10      Traccia 11      Traccia 12



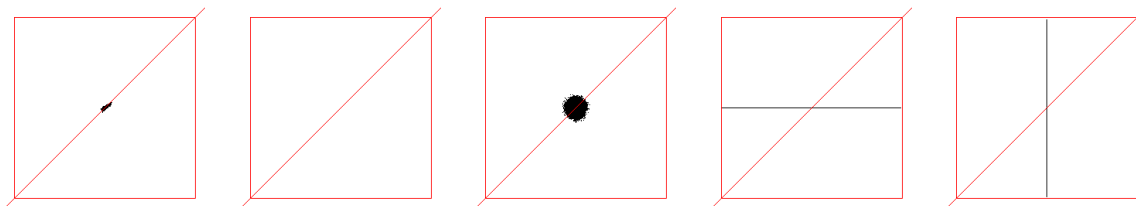
Traccia 13      Traccia 14      Traccia 15      Traccia 16      Traccia 17      Traccia 18



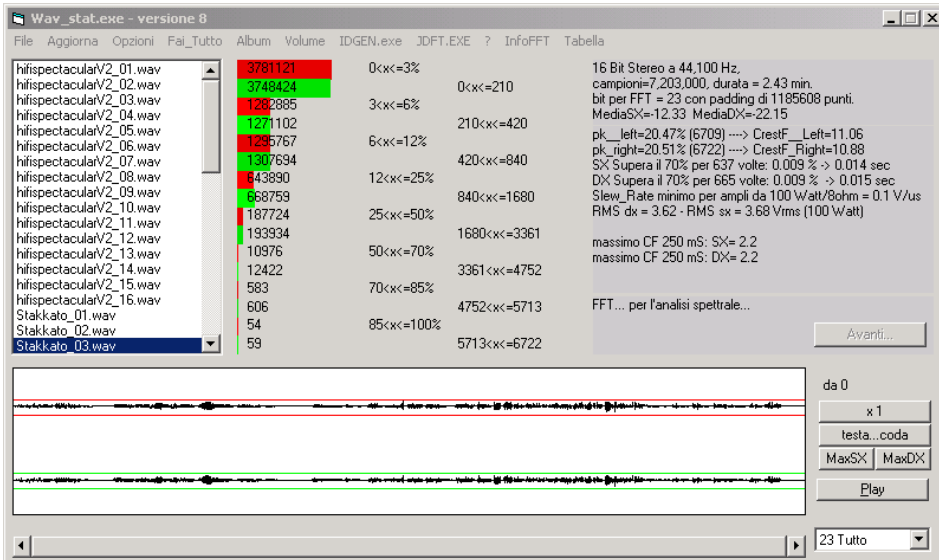
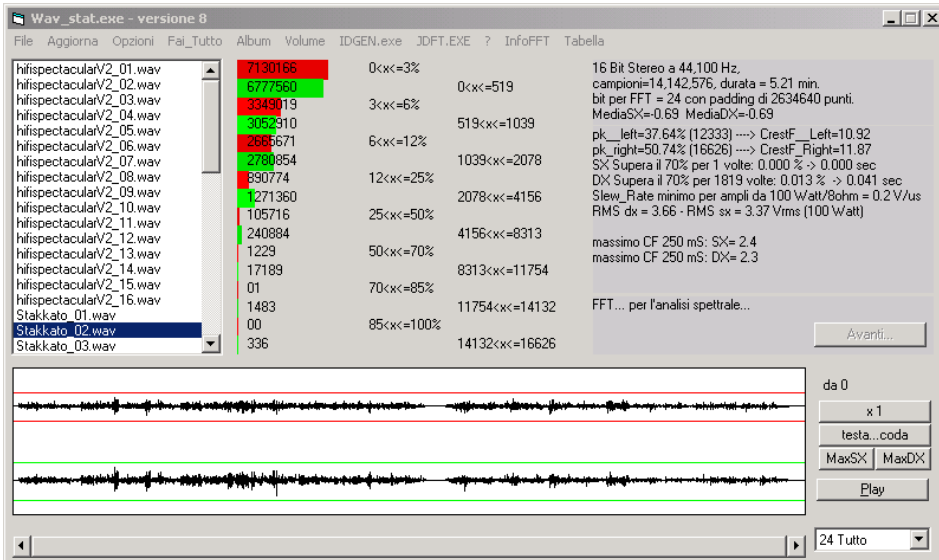
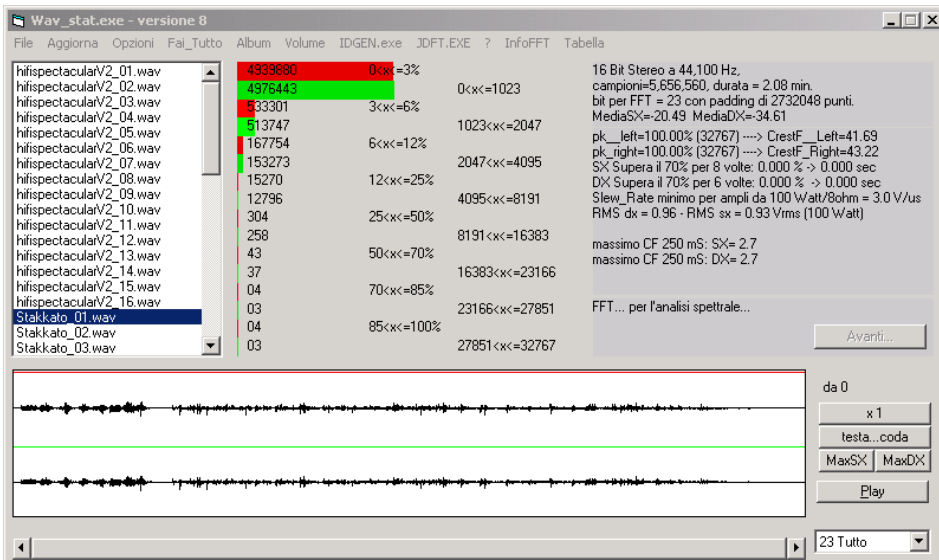
Traccia 19      Traccia 20      Traccia 21      Traccia 22      Traccia 23      Traccia 24



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	868619	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		14534<x<=17100	
Stakkato_05.wav	10			
Stakkato_06.wav	42			

da 0

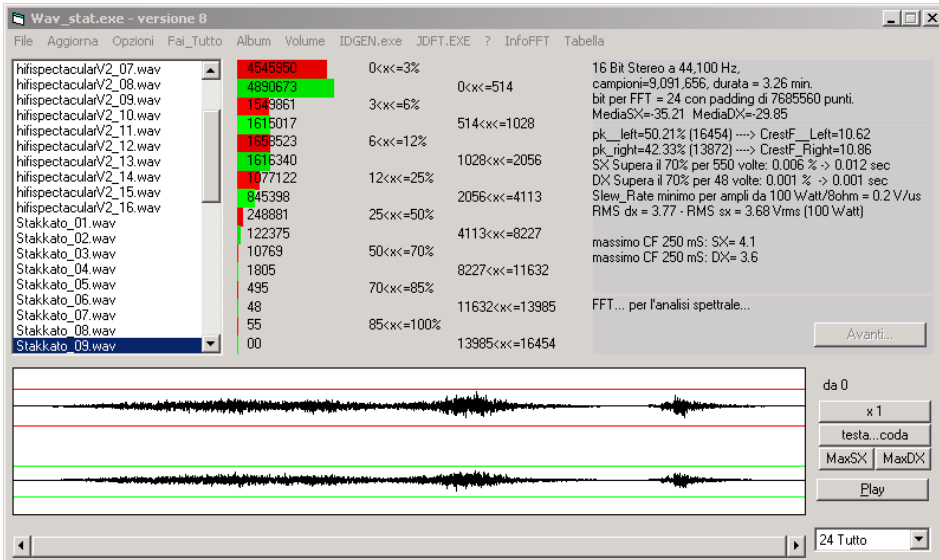
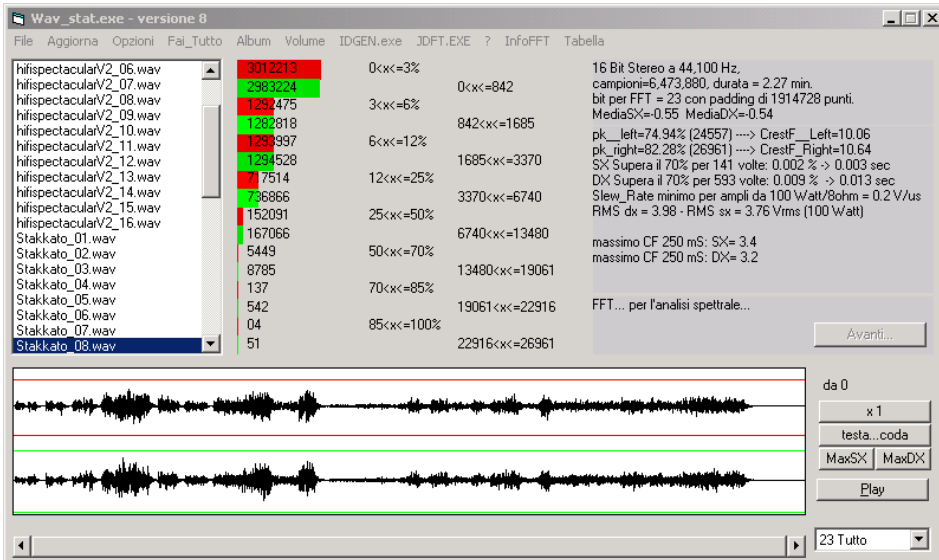
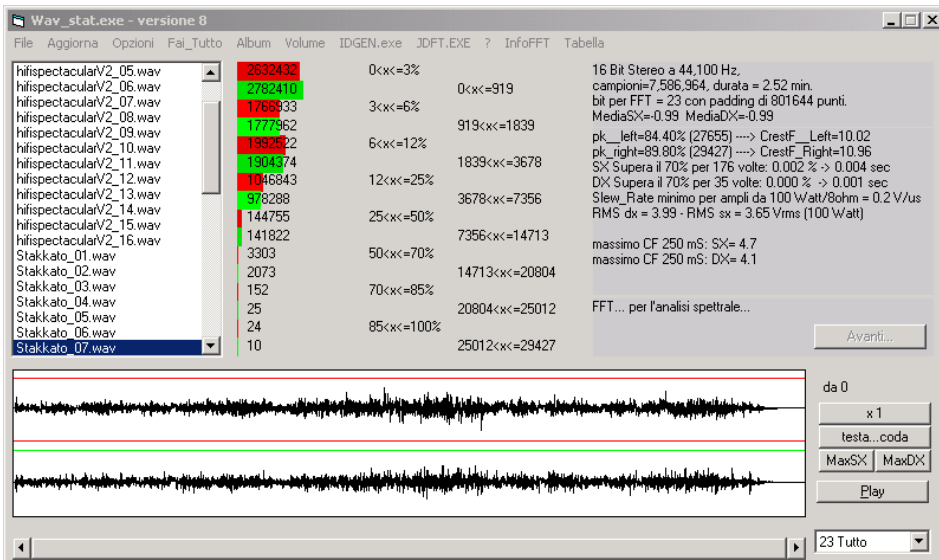
x 1

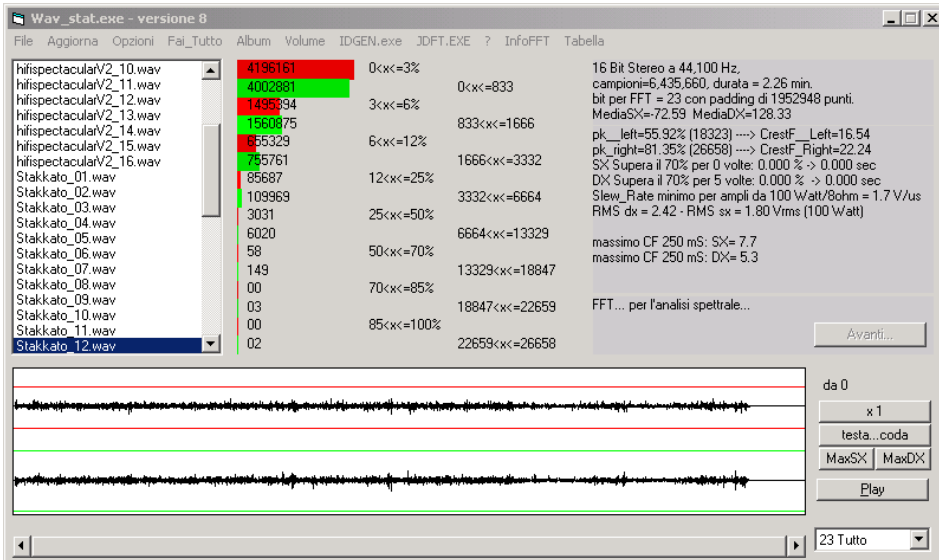
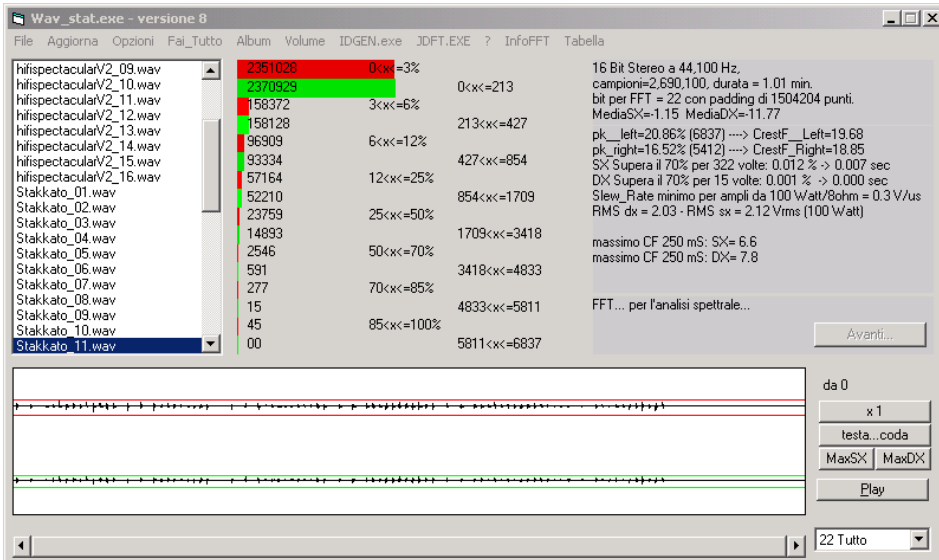
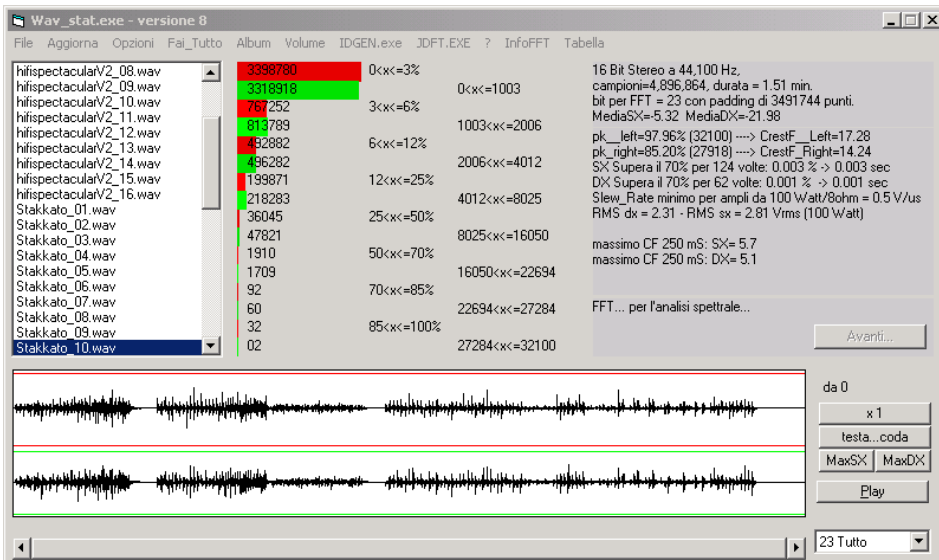
testa...coda

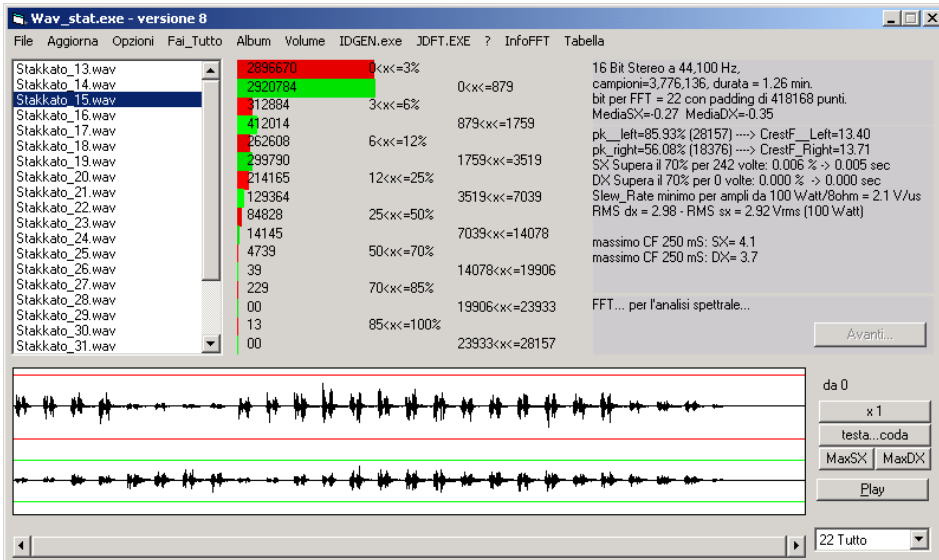
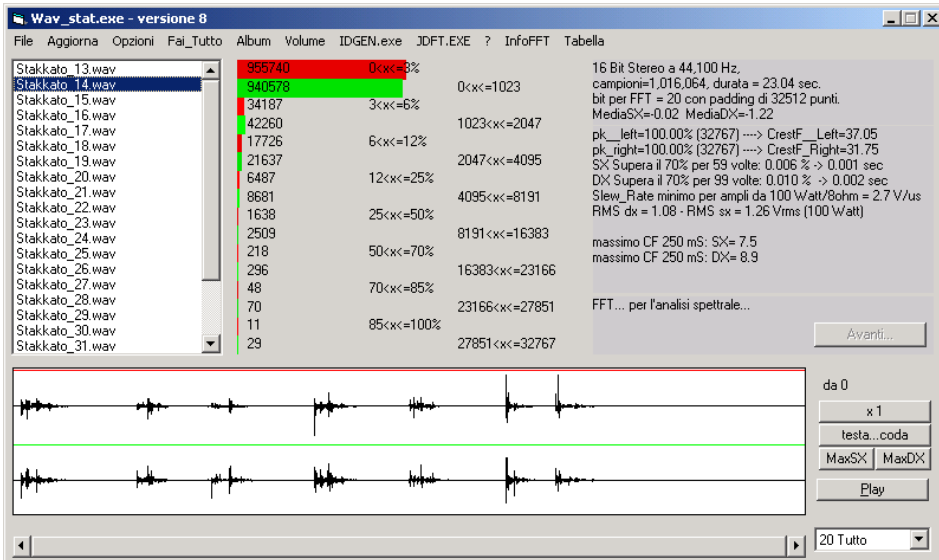
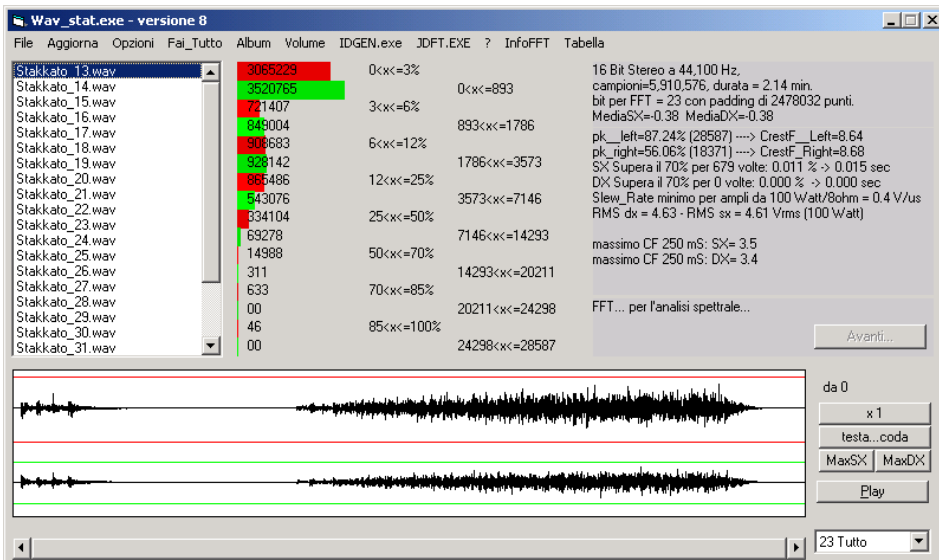
MaxSX MaxDX

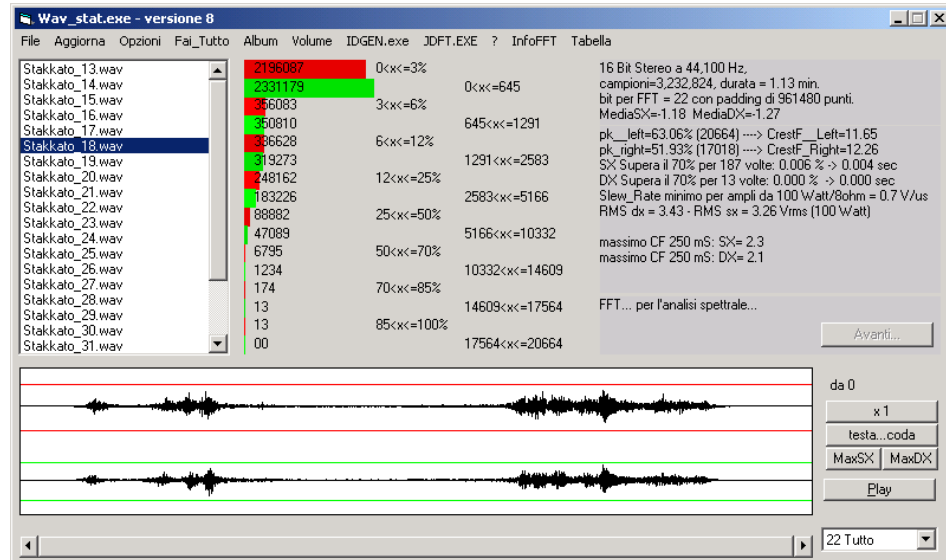
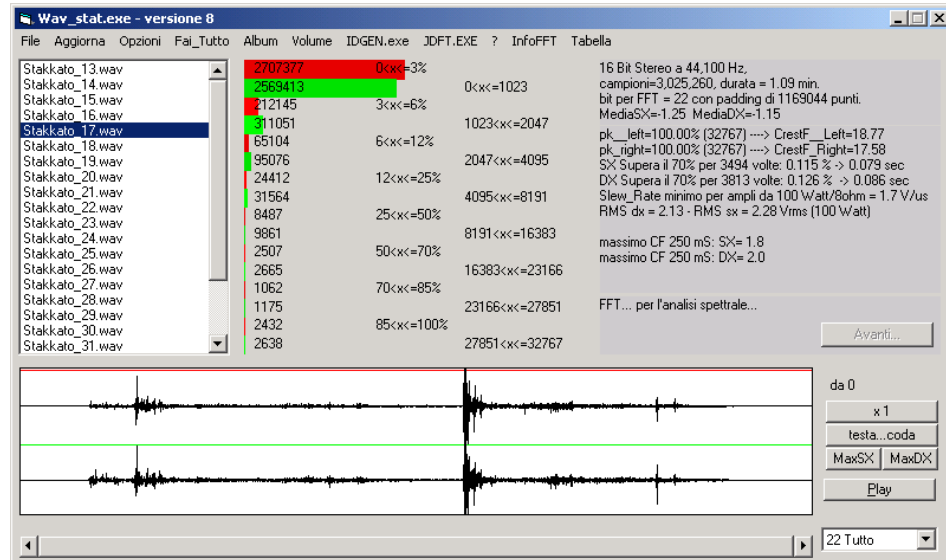
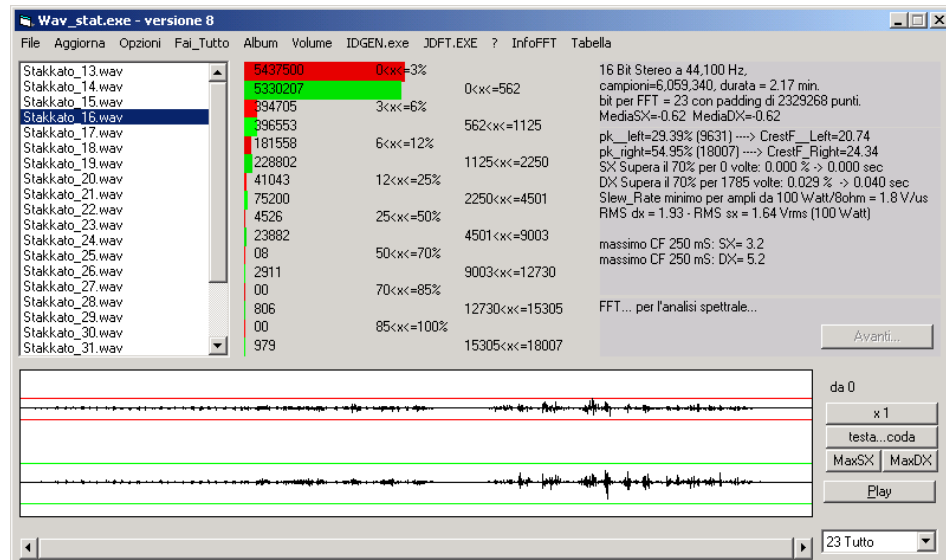
Play

24 Tutto

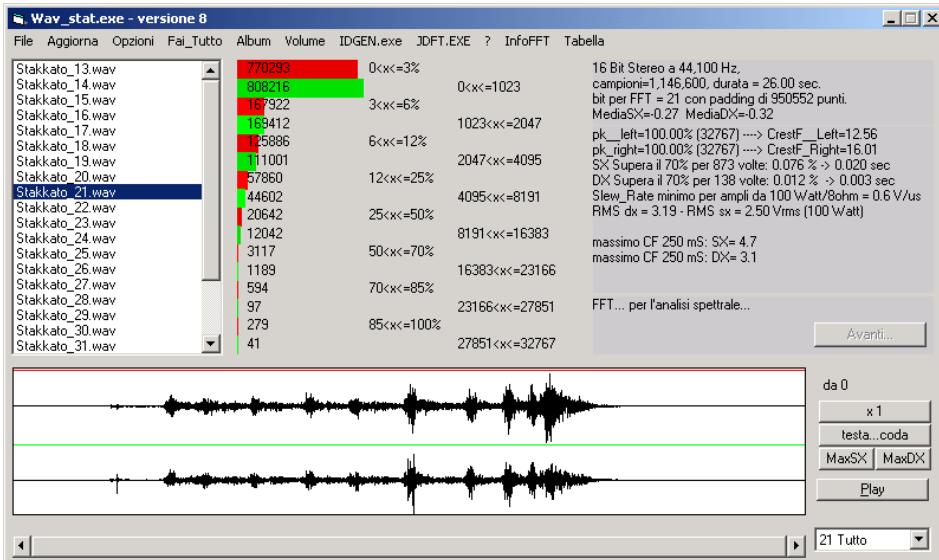
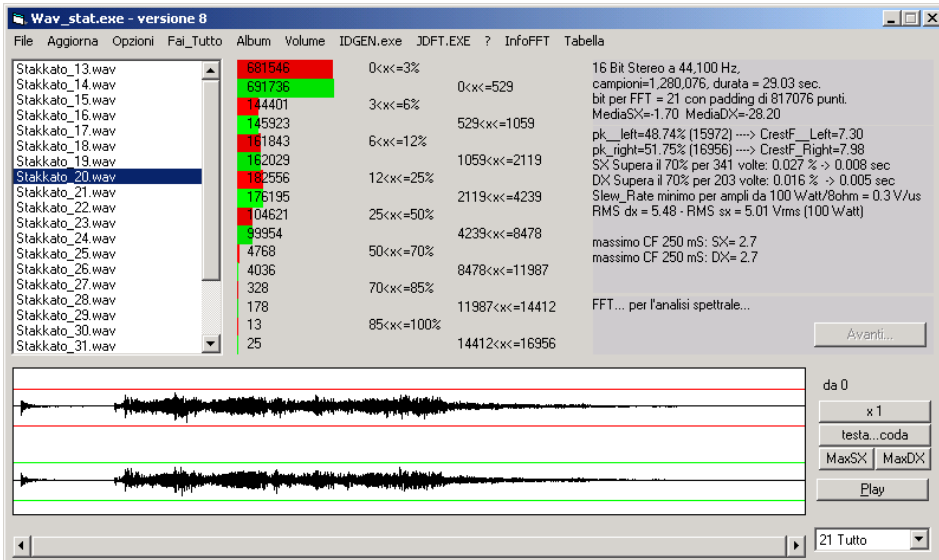
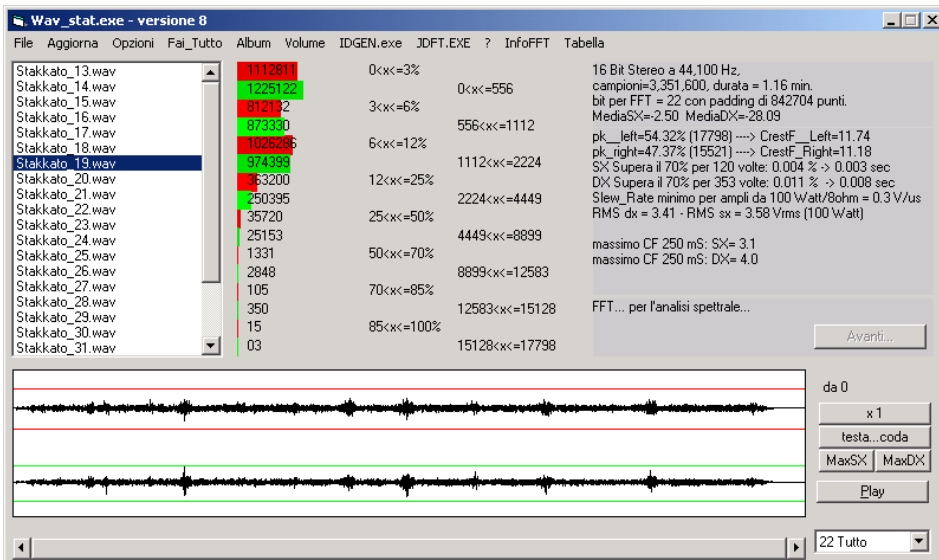












Wav\_stat.exe - versione 8

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 Aggiorna Opzioni Fal\_Tutto Album Volume IDGEN.exe JDFT.EXE ? InfoFFT Tabella

File	Volume	IDGEN.exe	JDFT.EXE	InfoFFT
Stakkato_13.wav	3760027	0<x<=3%		16 Bit Stereo a 44,100 Hz, campioni=6,616,176, durata = 2.30 min, bit per FFT = 23 con padding di 1772432 punti. MediaSX=55.37 MediaDX=34.66
Stakkato_14.wav	3627271		0<x<=557	
Stakkato_15.wav	887928	3<x<=6%		
Stakkato_16.wav	845291		557<x<=1115	
Stakkato_17.wav	1176868	6<x<=12%		pk_left=46.30% (15170) --> CrestF_Left=10.83 pk_right=54.48% (17853) --> CrestF_Right=11.34 SX Supera il 70% per 81 volte: 0.001 % -> 0.002 sec DX Supera il 70% per 209 volte: 0.003 % -> 0.005 sec Slew_Rate minimo per ampli da 100 Watt/8ohm = 0.3 V/us RMS dx = 3.69 - RMS sx = 3.53 Vrms (100 Watt)
Stakkato_18.wav	1147163		1115<x<=2231	
Stakkato_19.wav	699555	12<x<=25%		
Stakkato_20.wav	838044		2231<x<=4463	
Stakkato_21.wav	81402	25<x<=50%		
Stakkato_22.wav	135679		4463<x<=8926	
Stakkato_23.wav	1325	50<x<=70%		massimo CF 250 mS: SX= 3.6 massimo CF 250 mS: DX= 4.0
Stakkato_24.wav	2519		8926<x<=12622	
Stakkato_25.wav	81	70<x<=85%		
Stakkato_26.wav	177		12622<x<=15175	FFT... per l'analisi spettrale...
Stakkato_27.wav	00	85<x<=100%		
Stakkato_28.wav	32		15175<x<=17853	
Stakkato_29.wav				
Stakkato_30.wav				
Stakkato_31.wav				

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	955222	0<x<=3%		16 Bit Stereo a 44,100 Hz, campioni=1,408,260, durata = 31.93 sec, bit per FFT = 21 con padding di 688892 punti. MediaSX=3.41 MediaDX=1.02
Stakkato_14.wav	976074		0<x<=1023	
Stakkato_15.wav	164415	3<x<=6%		
Stakkato_16.wav	163692		1023<x<=2047	
Stakkato_17.wav	170764	6<x<=12%		pk_left=98.03% (32122) --> CrestF_Left=13.63 pk_right=100.00% (32767) --> CrestF_Right=13.81 SX Supera il 70% per 37 volte: 0.003 % -> 0.001 sec DX Supera il 70% per 625 volte: 0.044 % -> 0.014 sec Slew_Rate minimo per ampli da 100 Watt/8ohm = 2.0 V/us RMS dx = 2.93 - RMS sx = 2.90 Vrms (100 Watt)
Stakkato_18.wav	151277	12<x<=25%	2047<x<=4095	
Stakkato_19.wav	95203	25<x<=50%		
Stakkato_20.wav	86235		4095<x<=8191	
Stakkato_21.wav	21724	50<x<=70%		massimo CF 250 mS: SX= 3.1 massimo CF 250 mS: DX= 4.9
Stakkato_22.wav	18801		8191<x<=16383	
Stakkato_23.wav	895	70<x<=85%		
Stakkato_24.wav	1486		16383<x<=23166	
Stakkato_25.wav	27	85<x<=100%		FFT... per l'analisi spettrale...
Stakkato_26.wav	362		23166<x<=27851	
Stakkato_27.wav	10			
Stakkato_28.wav	263		27851<x<=32767	
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 Aggiorna Opzioni Fal\_Tutto Album Volume IDGEN.exe JDFT.EXE ? InfoFFT Tabella

File	Volume	IDGEN.exe	JDFT.EXE	InfoFFT
Stakkato_13.wav	1388599	0<x<=3%		16 Bit Stereo a 44,100 Hz, campioni=1,567,020, durata = 35.53 sec, bit per FFT = 21 con padding di 530132 punti. MediaSX=0.59 MediaDX=0.44
Stakkato_14.wav	1437832		0<x<=1023	
Stakkato_15.wav	91685	3<x<=6%		
Stakkato_16.wav	70015		1023<x<=2047	
Stakkato_17.wav	52342	6<x<=12%		pk_left=100.00% (32767) --> CrestF_Left=21.23 pk_right=100.00% (32767) --> CrestF_Right=27.10 SX Supera il 70% per 746 volte: 0.048 % -> 0.017 sec DX Supera il 70% per 423 volte: 0.027 % -> 0.010 sec Slew_Rate minimo per ampli da 100 Watt/8ohm = 2.0 V/us RMS dx = 1.88 - RMS sx = 1.48 Vrms (100 Watt)
Stakkato_18.wav	38125	12<x<=25%	2047<x<=4095	
Stakkato_19.wav	23896	25<x<=50%		
Stakkato_20.wav	15224		4095<x<=8191	
Stakkato_21.wav	8155	50<x<=70%		massimo CF 250 mS: SX= 5.5 massimo CF 250 mS: DX= 4.7
Stakkato_22.wav	4537		8191<x<=16383	
Stakkato_23.wav	1471	70<x<=85%		
Stakkato_24.wav	836		16383<x<=23166	
Stakkato_25.wav	368	85<x<=100%		FFT... per l'analisi spettrale...
Stakkato_26.wav	232		23166<x<=27851	
Stakkato_27.wav	378			
Stakkato_28.wav	191		27851<x<=32767	
Stakkato_29.wav				
Stakkato_30.wav				
Stakkato_31.wav				

da 0

x 1

testa...coda

MaxSX MaxDX

Play

21 Tutto

