

**Channel-Messung****Draka Multimedia Cable****Aufbau:**

Patch-Kabel A-Ende: **5 m Unshielded Giga Channel Patch Cord AWG24 (Panduit-Stecker)**
 Komponente A-Ende: **Panduit CJ688T3BL**
 Tertiärkabel: **90 m UC400 24 4P**
 Komponente E-Ende: **Panduit CJ688T3BL**
 Patch-Kabel E-Ende: **5 m Unshielded Giga Channel Patch Cord AWG24 (Panduit-Stecker)**
 Frequenz: **1-300 MHz (401 Messpunkte)**
 Messgeräte: **HP8753, KRMZ 1200**
 Bewertung gegen Class: **E**

Resultat: *Der Channel entspricht Class E nach ISO/IEC JTC 1/SC 25/WG 3 N739.*
Das ACR wird bis 300 MHz nicht negativ!

Ankerfrequenzen / MHz: 100
 250

Datum: 04.01.2002
 Prüfer: Dr. C. Pfeiler
 Prüflabor: Draka Multimedia Cable
 Wohlaue Str. 15
 90475 Nürnberg

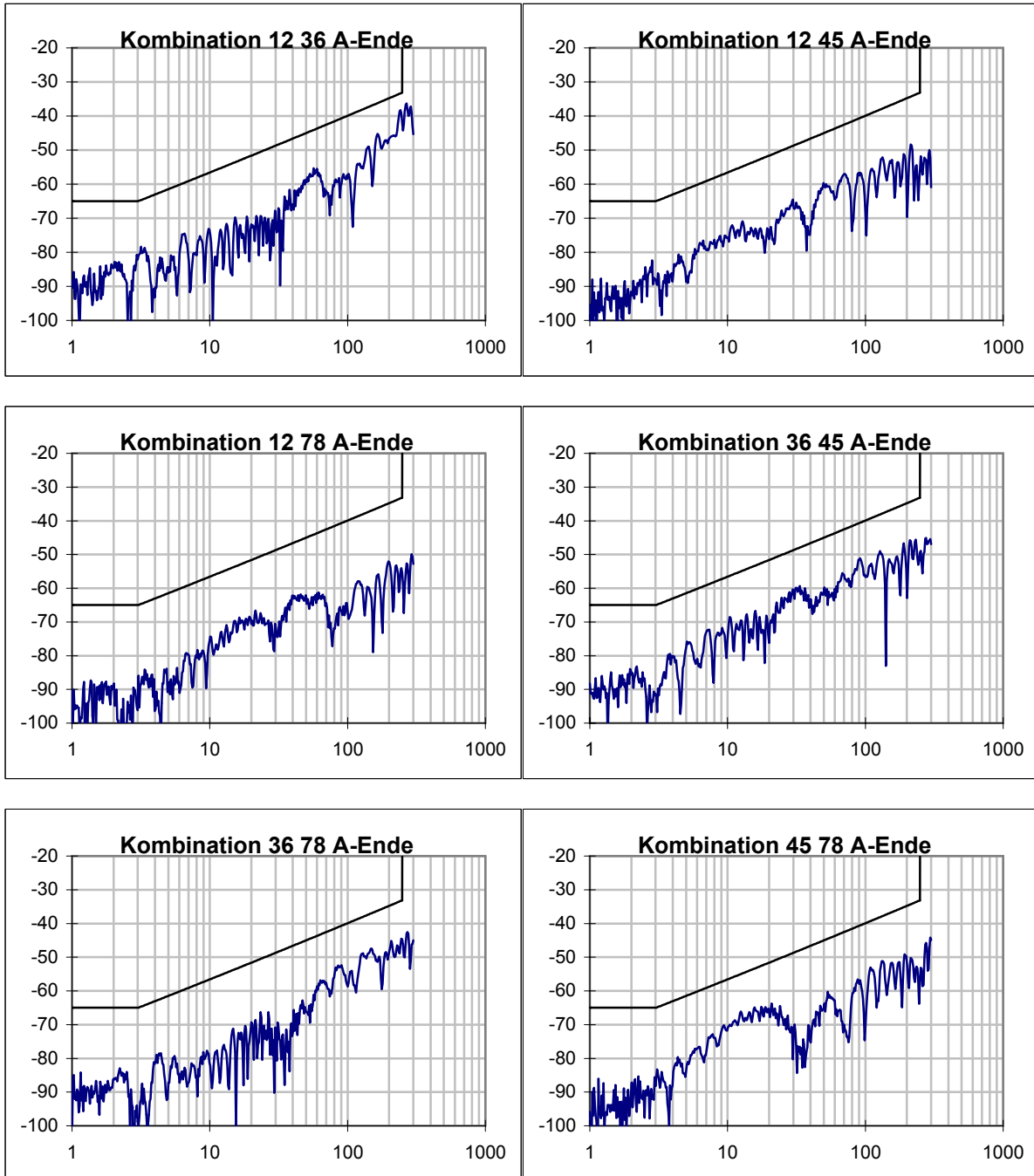
gepr.

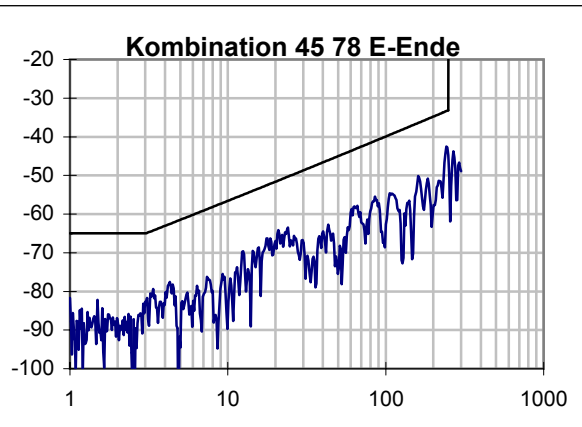
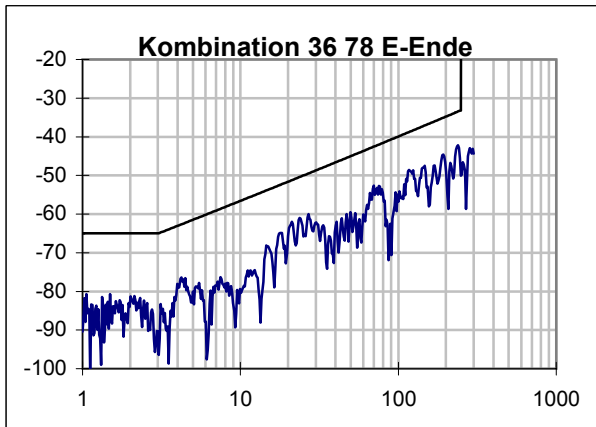
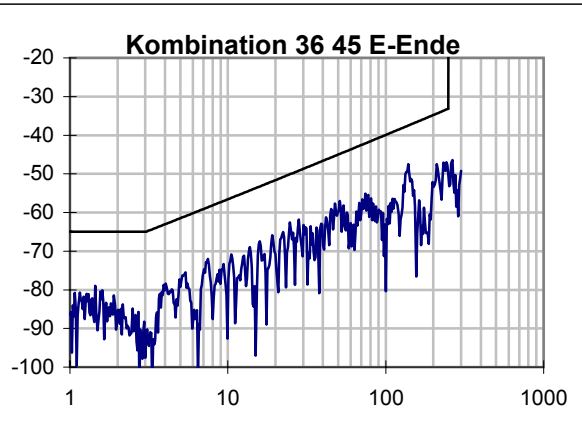
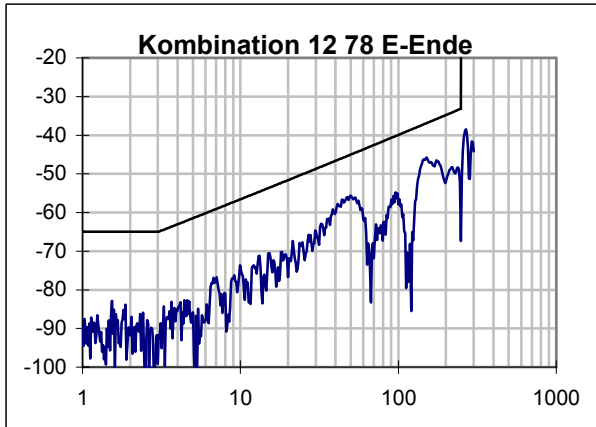
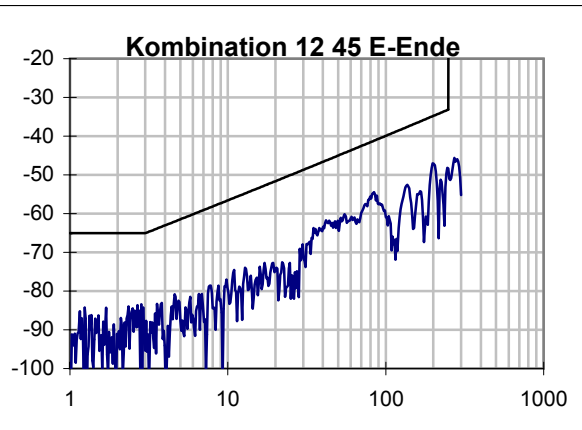
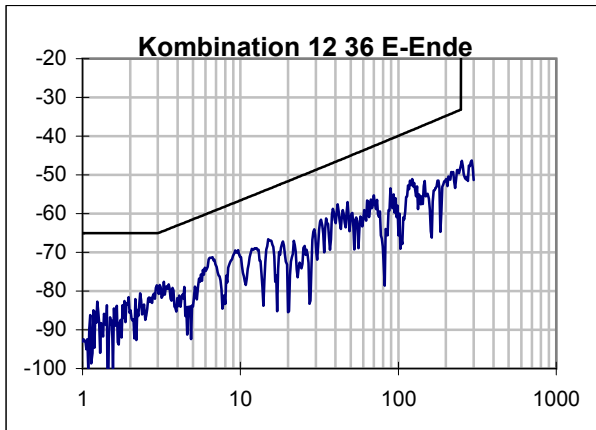
Übersicht Ergebnis:

Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	523,6	494,9	501,3	517,6		30,9	50
Dämpfung @ 100MHz/dB	20,04	19,09	19,63	19,65	21,7		
Dämpfung @ 250MHz/dB	32,59	31,60	32,66	32,19	35,9		
min PSNEXT-Res. / dB	7,78	7,12	10,20	8,79			
@ f / MHz	242,23	242,23	242,23	242,23			
PSNEXT Gr. / dB	30,39	30,39	30,39	30,39			
PSNEXT @ 100 MHz	52,22	52,75	57,38	51,86	37,1		
PSNEXT @ 250 MHz	44,85	44,28	42,35	43,60	30,2		
min PSELFEXT-Res. / dB	14,98	11,65	12,83	19,19			
@ f / MHz	242,23	207,07	207,07	216,12			
PSELFEXT Gr. / dB	12,57	13,93	13,93	13,56			
PSELFEXT @ 100 MHz	39,95	38,64	44,52	46,76	20,3		
PSELFEXT @ 250 MHz	28,38	26,34	30,49	37,49	12,3		
min PSACR-Reserve / dB	10,6	10,1	12,3	12,1			
@ f / MHz	242,2	242,2	12,5	23,7			
PSACR Grenz. / dB	-4,9	-4,9	45,1	37,6			
PSACR @ 100 MHz	32,18	33,34	37,60	32,27	15,4		
PSACR @ 250 MHz	12,26	12,18	9,87	11,15	-5,8		
min RL-Reserve / dB	10,5	4,5	5,7	8,2			
@ f / MHz	78,0	235,0	168,4	174,4			
RL Grenzwert / dB	13,1	8,3	9,7	9,6			

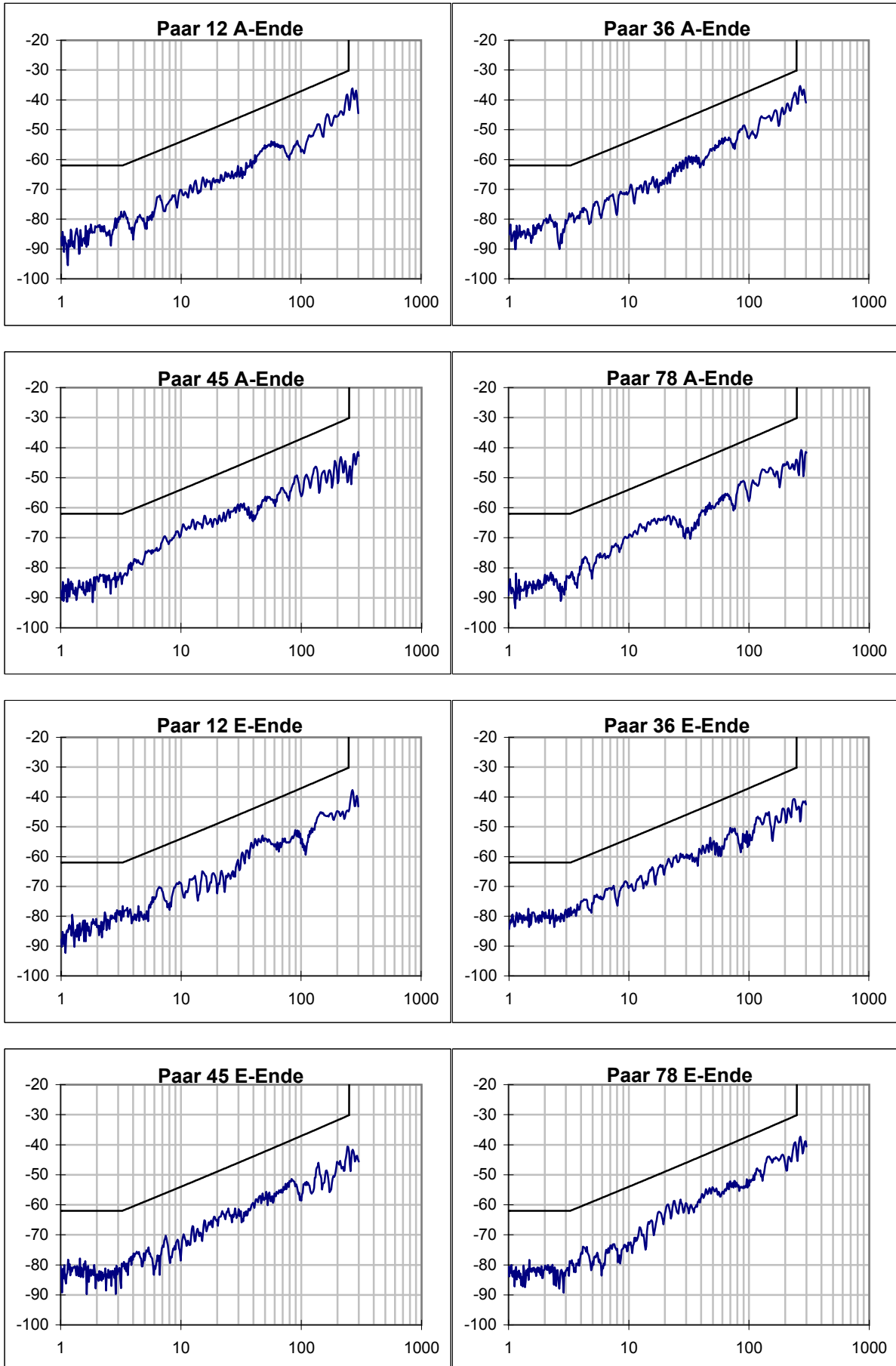
Kombination	12 36	12 45	12 78	36 45	36 78	45 78	Grenzwert
min NEXT-Reserve / dB	4,92	12,14	8,92	9,96	8,72	9,14	
@ f / MHz	242,23	198,39	151,31	138,90	238,80	242,23	
NEXT Grenzw. /dB	33,35	34,84	36,86	37,50	33,46	33,35	
NEXT @ 100 MHz	57,91	59,18	55,00	63,18	54,93	68,65	39,9
NEXT @ 250 MHz	47,50	48,31	67,36	50,11	50,08	44,73	33,1
min ELFEXT-Res. / dB	12,1	22,0	18,0	10,0	17,7	22,1	
@ f / MHz	242,2	1,0	190,1	207,1	216,1	1,1	
ELFEXT Grw. /dB	15,57	63,26	17,68	16,93	16,56	62,14	
ELFEXT @ 100 MHz	40,13	71,73	53,95	45,38	49,70	52,00	23,3
ELFEXT @ 250 MHz	28,68	40,30	59,87	31,00	37,67	52,16	15,3
min ACR-Reserve/ dB	7,7	14,5	11,1	12,7	11,8	11,9	
@ f / MHz	242,2	198,4	151,3	33,4	26,9	12,5	
ACR Grenzw. /dB	-2,0	3,3	9,7	35,8	38,6	47,7	
ACR @ 100 MHz	37,87	39,14	34,96	44,08	35,84	49,02	18,2
ACR @ 250 MHz	14,91	15,72	34,77	18,52	18,48	12,06	-2,8

NEXT / dB

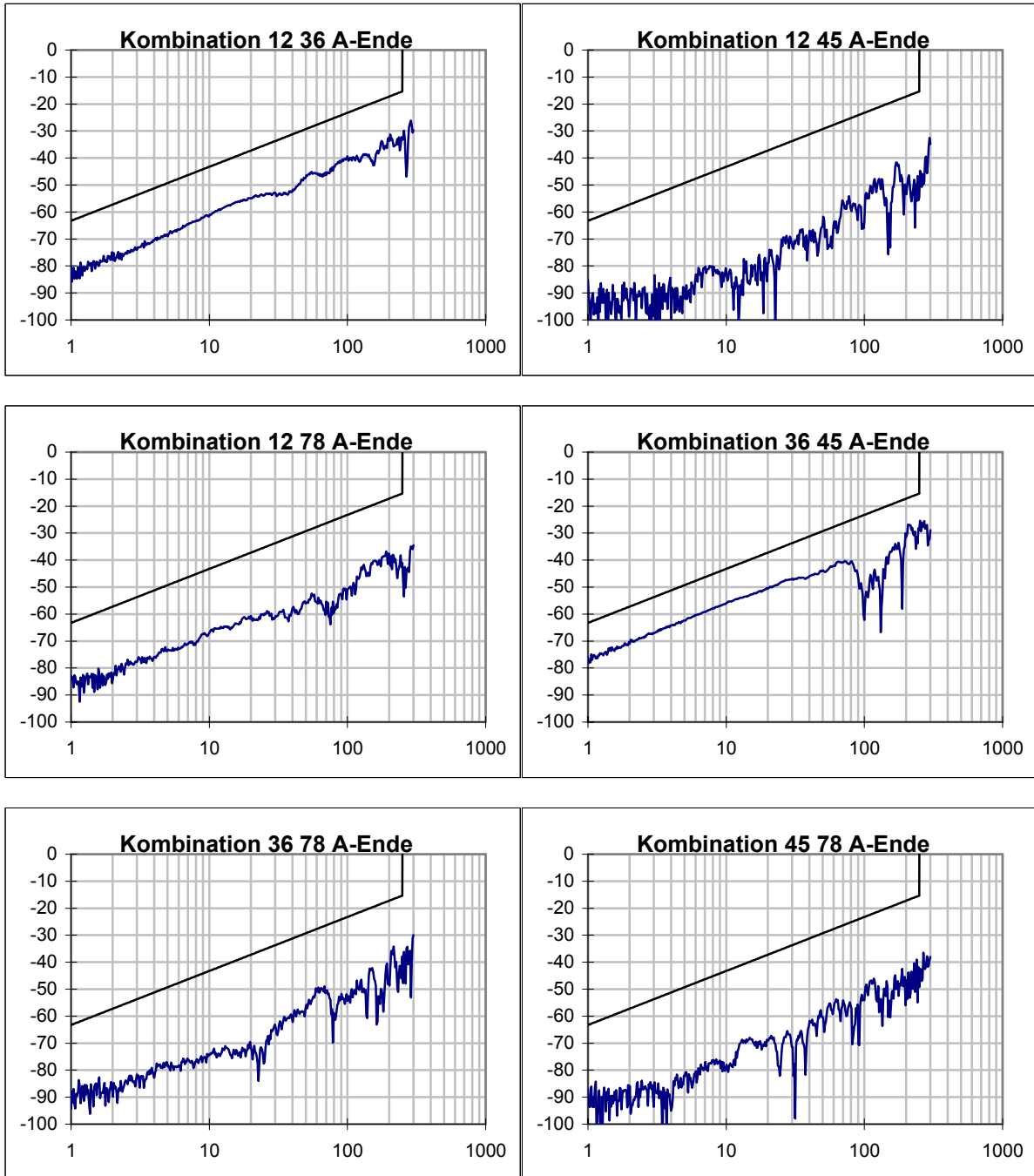


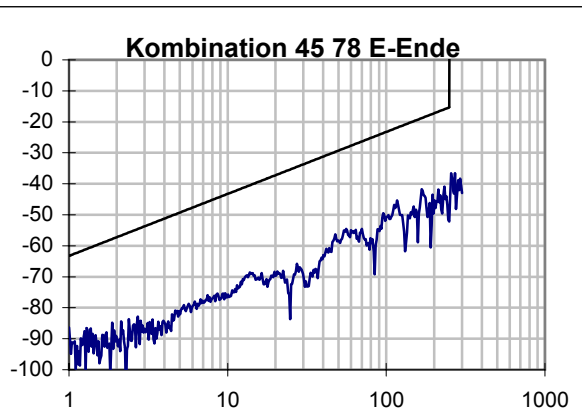
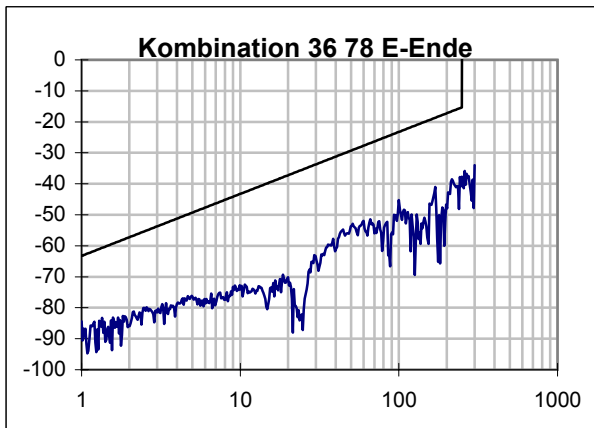
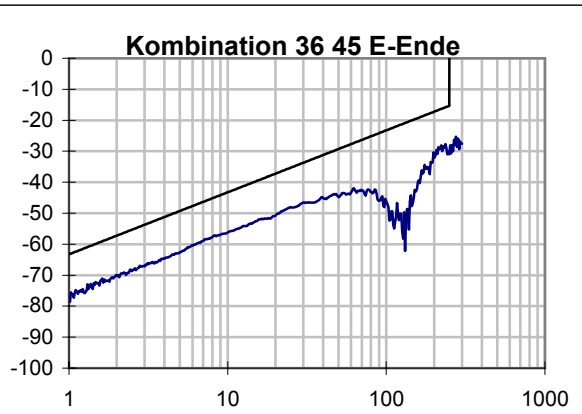
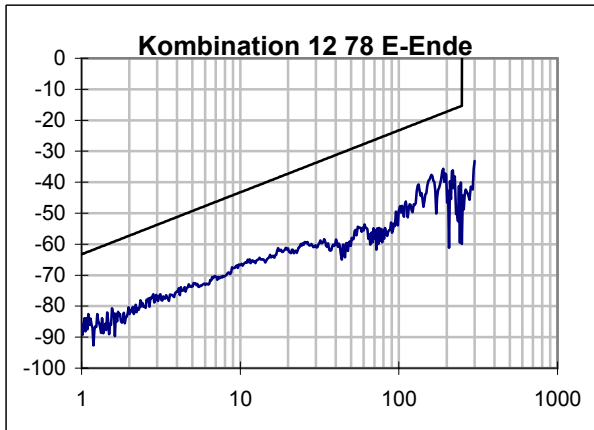
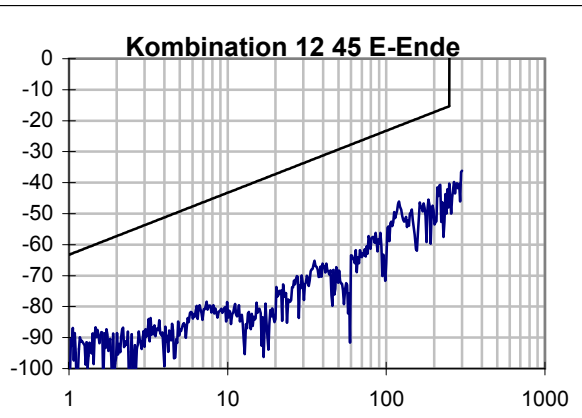
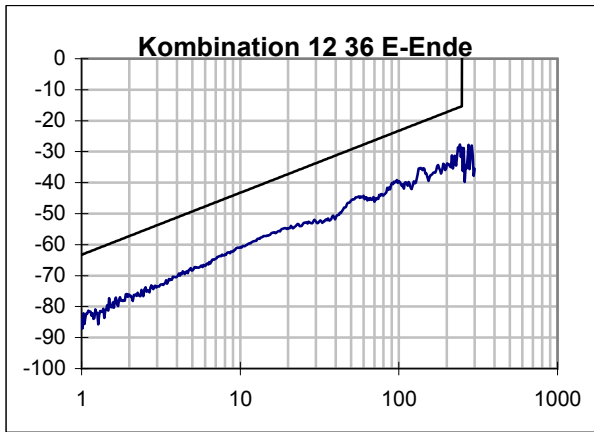


PSNEXT / dB

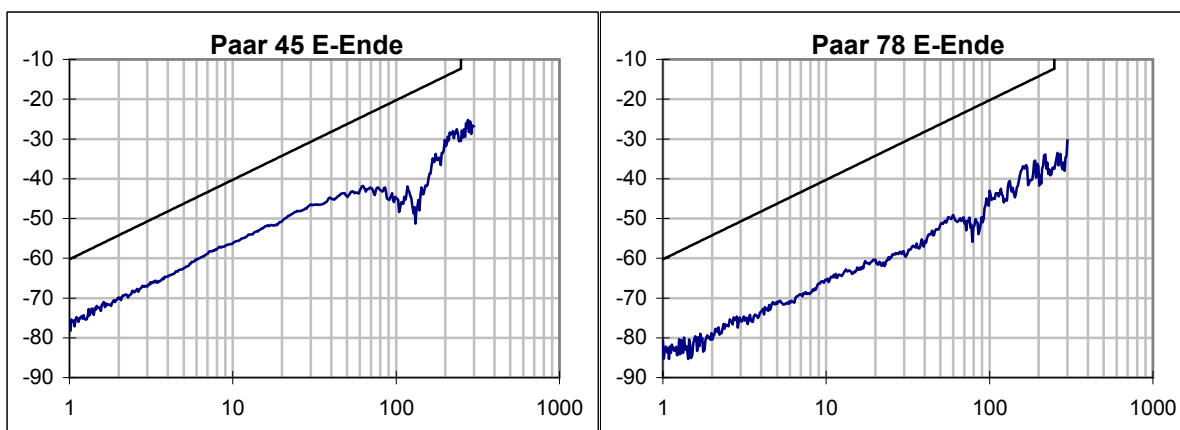
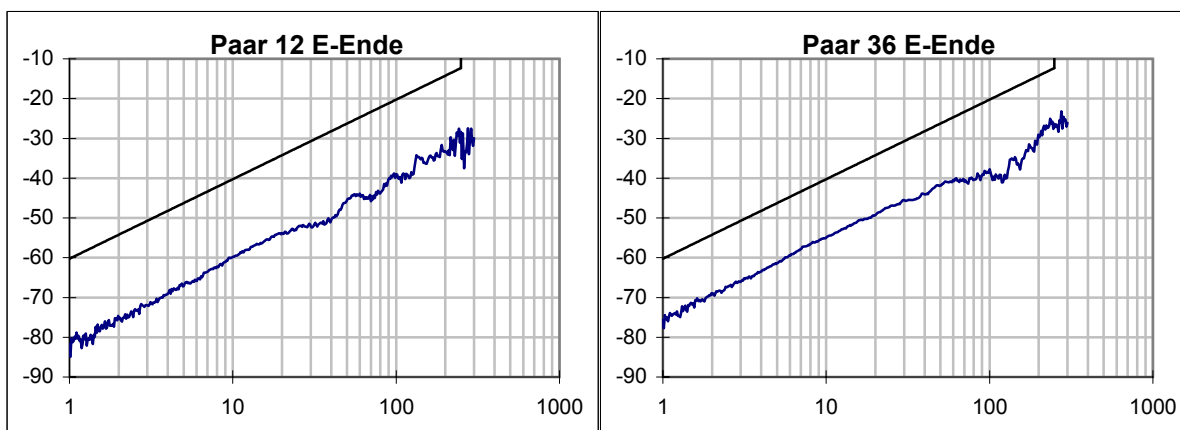
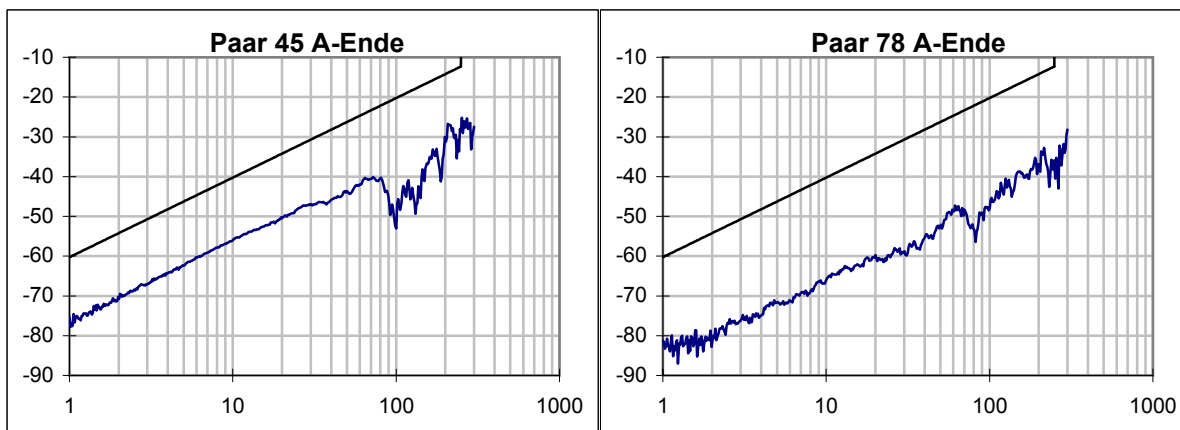
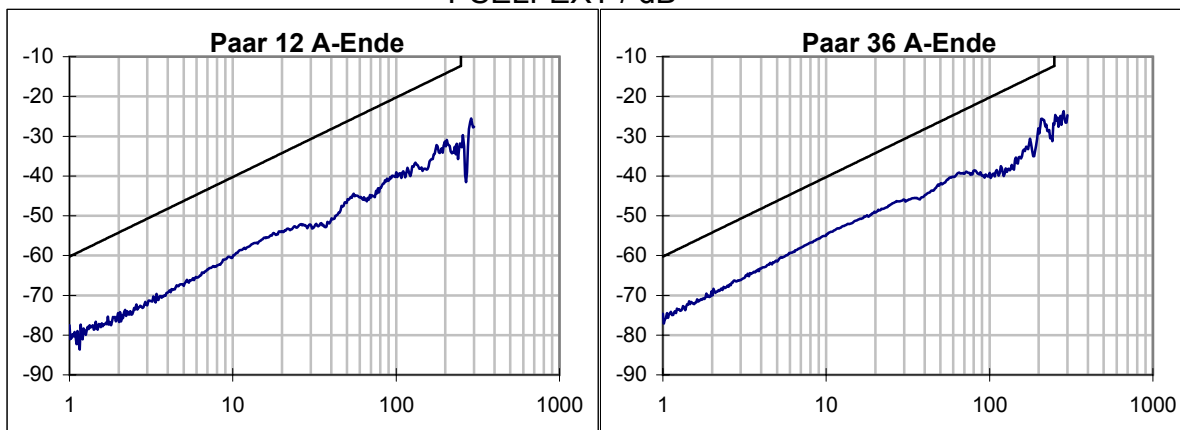


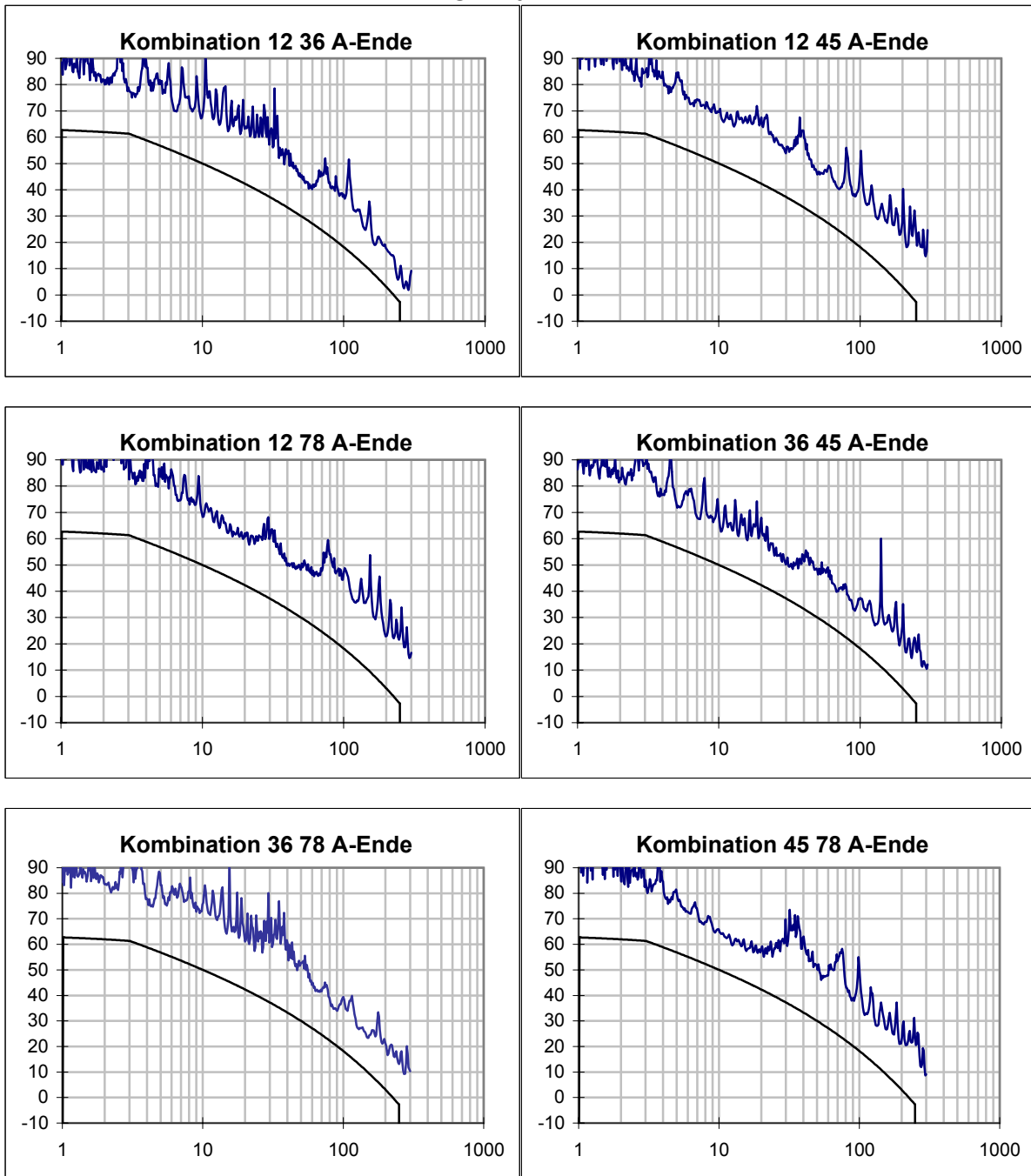
ELFEXT / dB

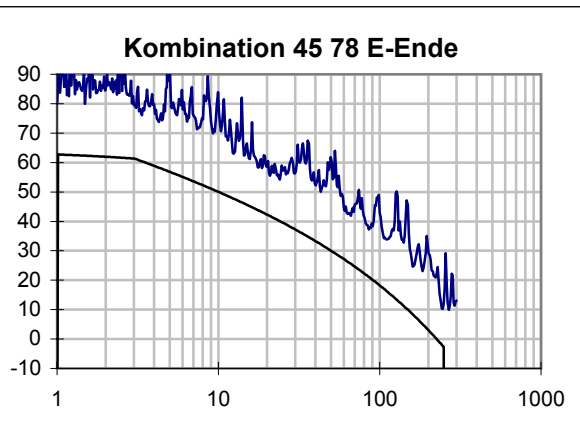
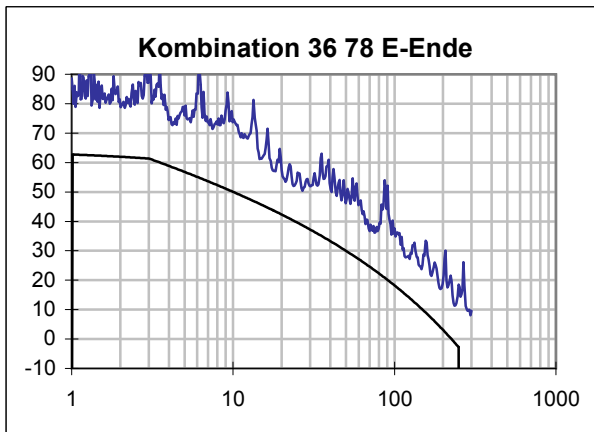
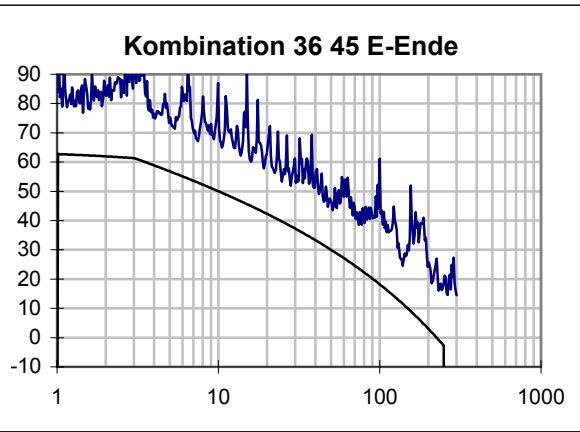
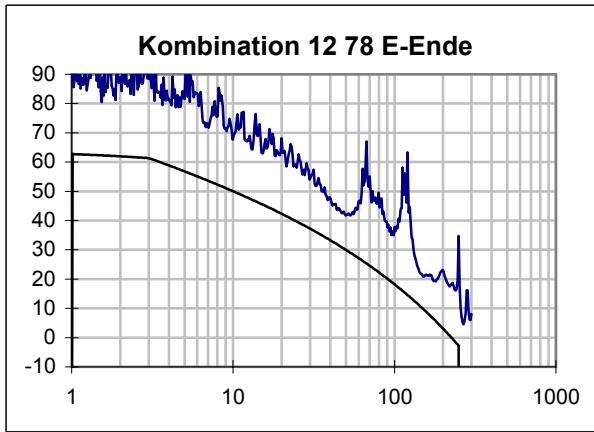
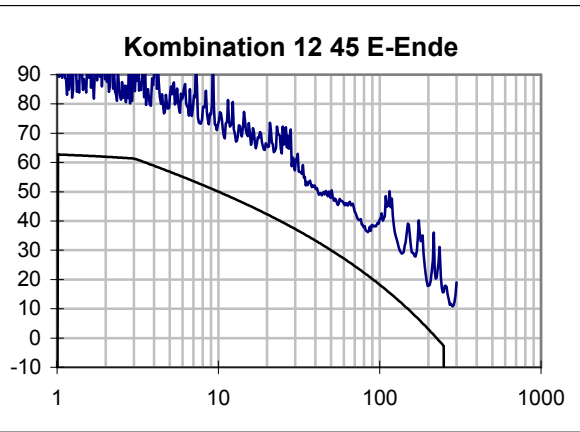
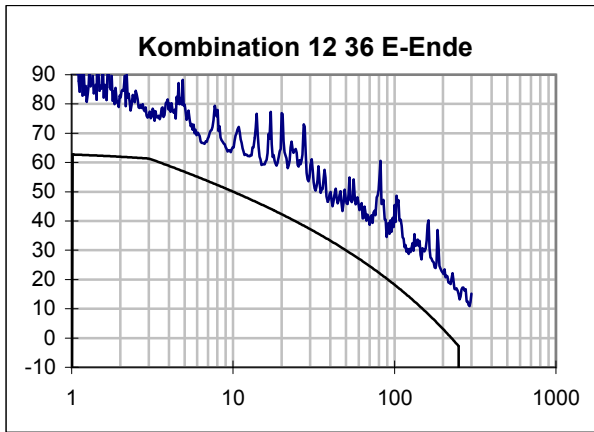




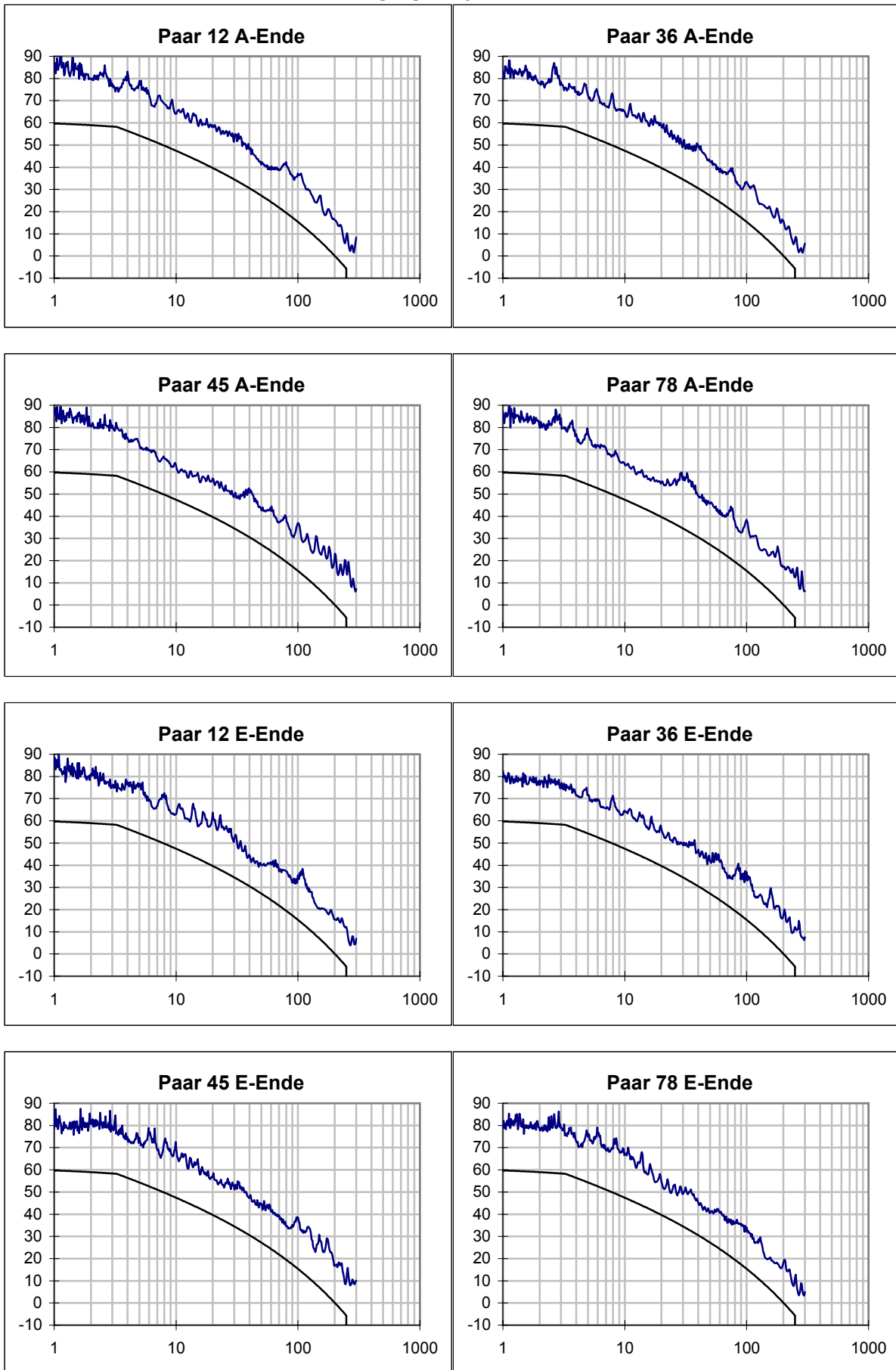
PSELFEXT / dB



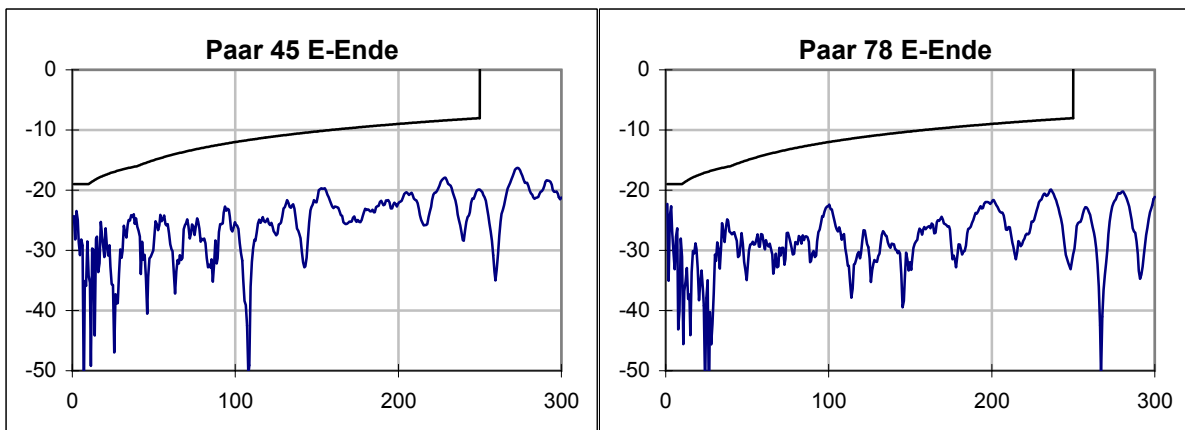
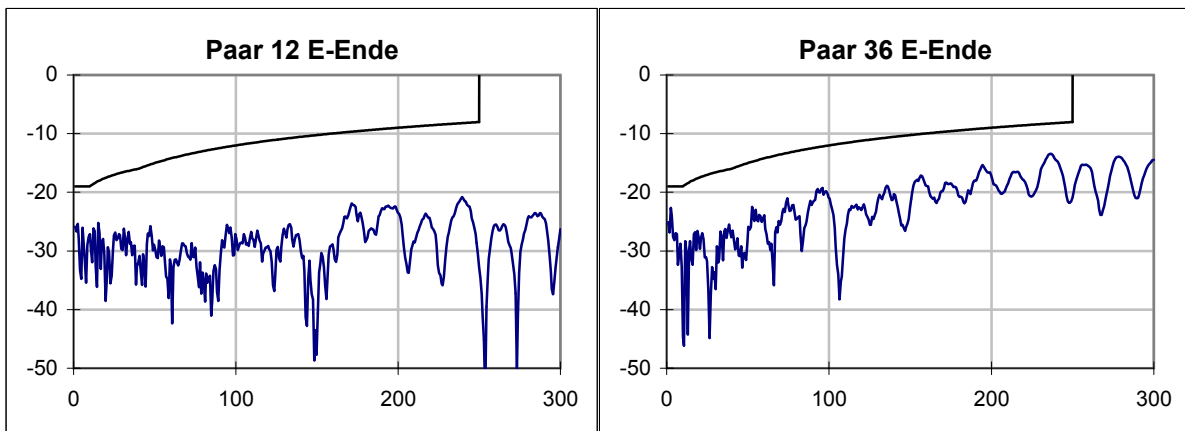
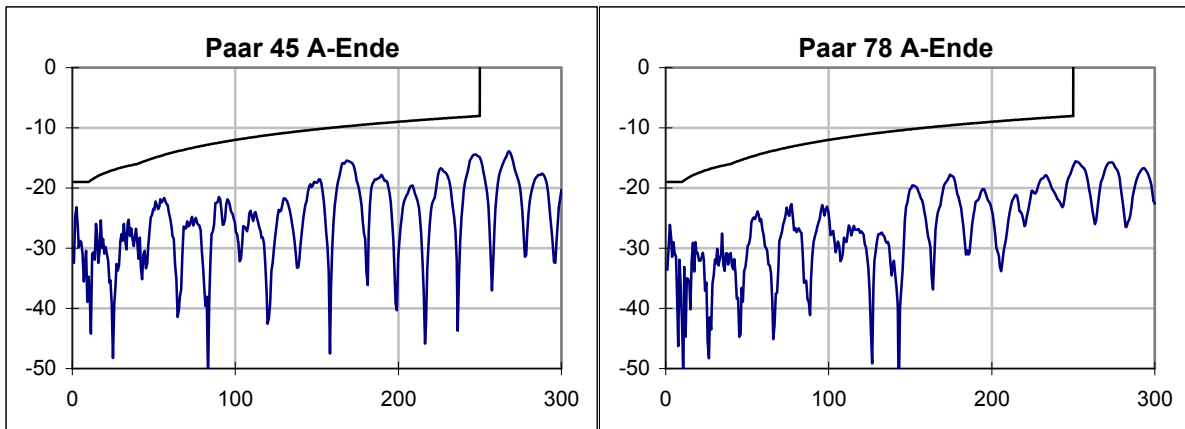
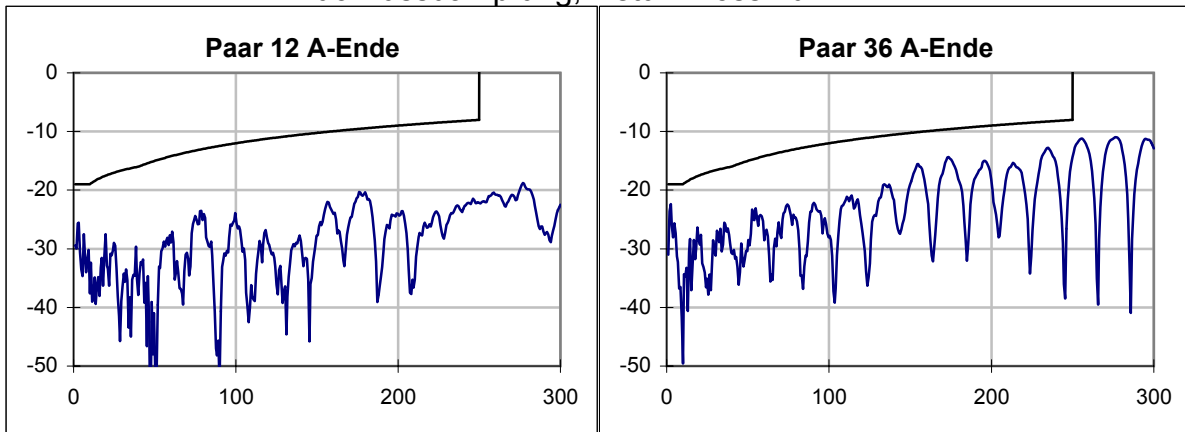




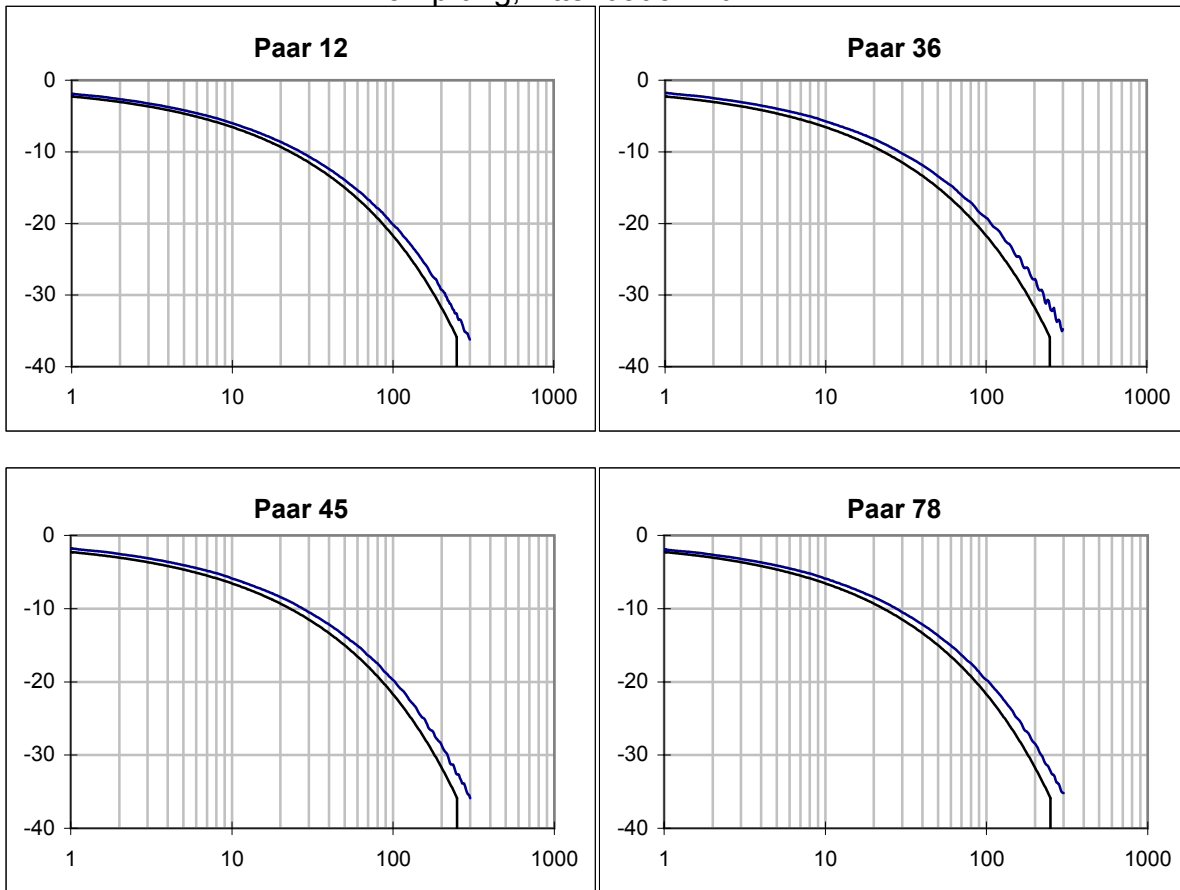
PSACR / dB



Rückflusdämpfung, Return Loss / dB



Dämpfung, Attenuation / dB



Laufzeit, Delay / ns

