

Channel-Messung

Draka Multimedia Cable

Aufbau:

Patch-Kabel A-Ende: **5 m Shielded Giga Channel Patch Cord AWG27 (Panduit-Stecker)**
 Komponente A-Ende: **Panduit CJS688T3**
 Permanent-Strecke: **5 m Giga Channel Patch Cord AWG27 + CJS688T3 + 72 m UC400 S24 4P + CJS688T3 + 5 m Giga Channel Patch Cord AWG27 (jew. Panduit-Stecker)**
 Komponente E-Ende: **Panduit CJS688T3**
 Patch-Kabel E-Ende: **5 m Shielded Giga Channel Patch Cord AWG27 (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

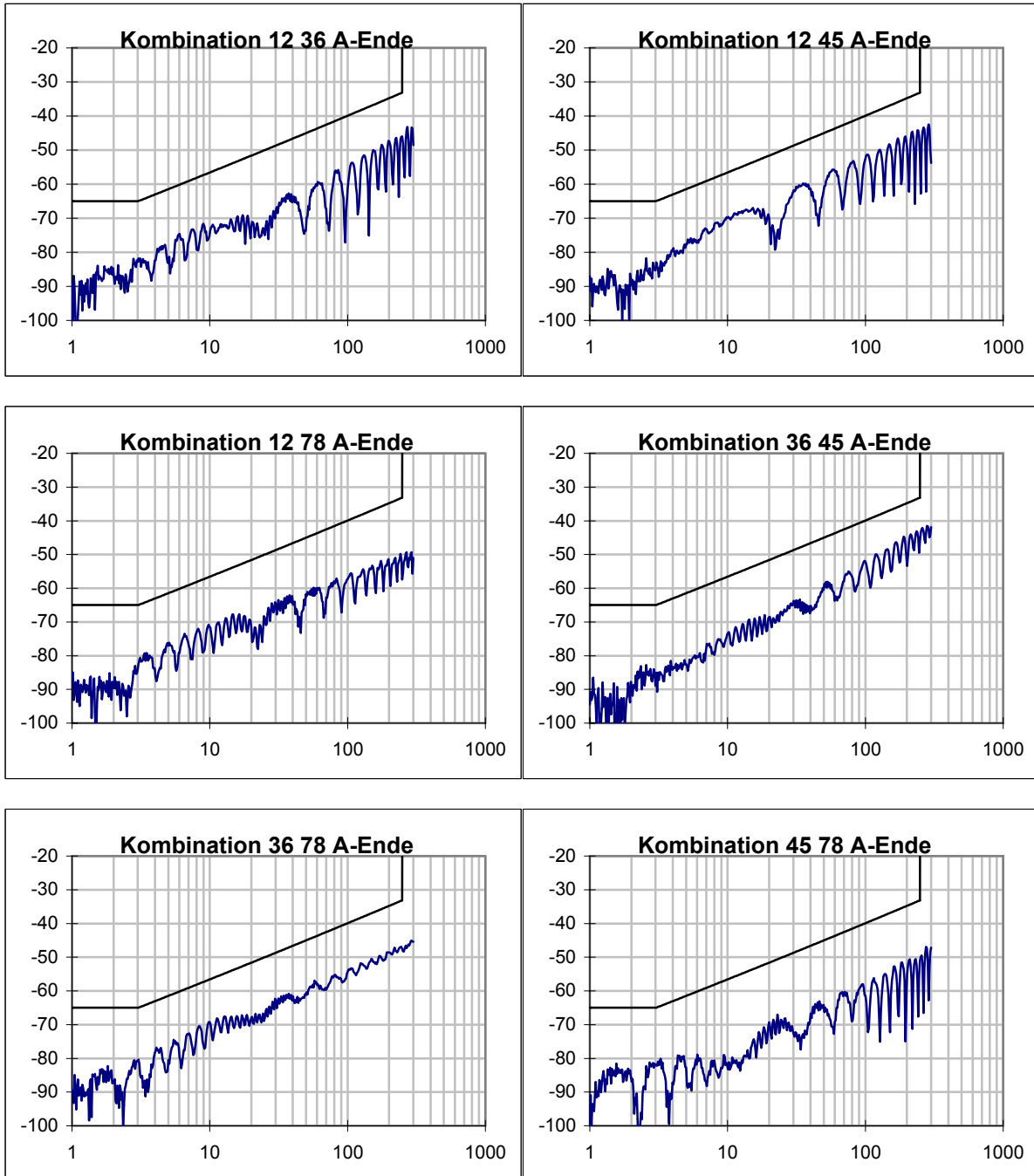
Datum: 11.12.2001
 Prüfer: Dr. C. Pfeiler
 Prüflabor: Draka Multimedia Cable
 Wohlaue Str. 15
 90475 Nürnberg

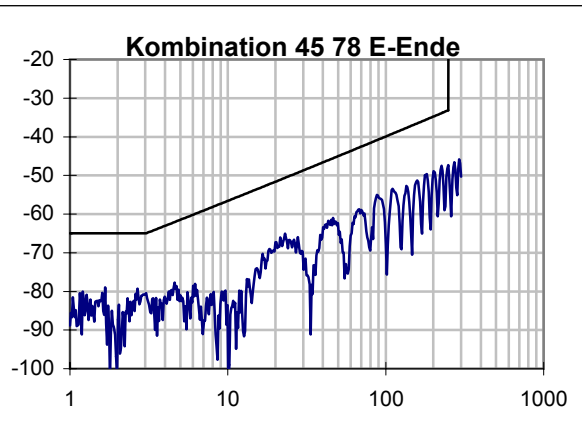
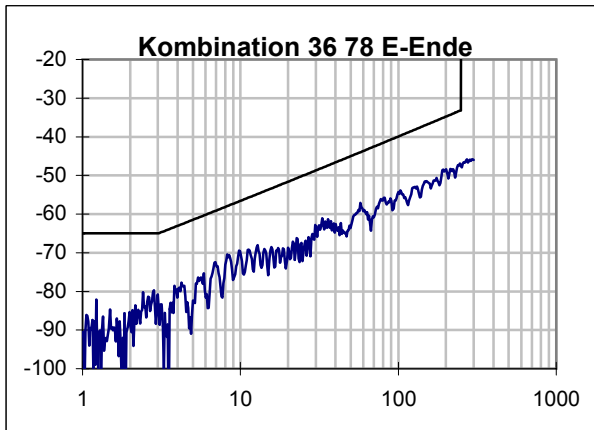
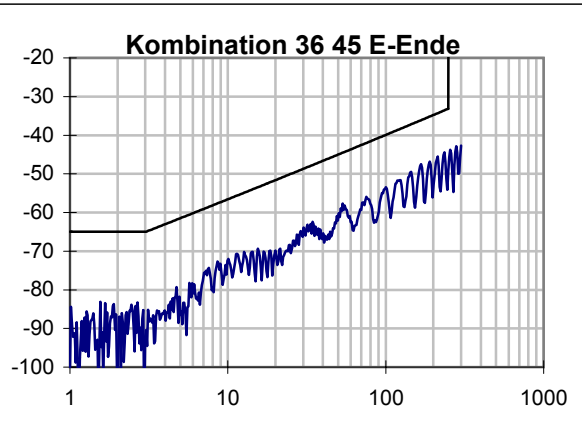
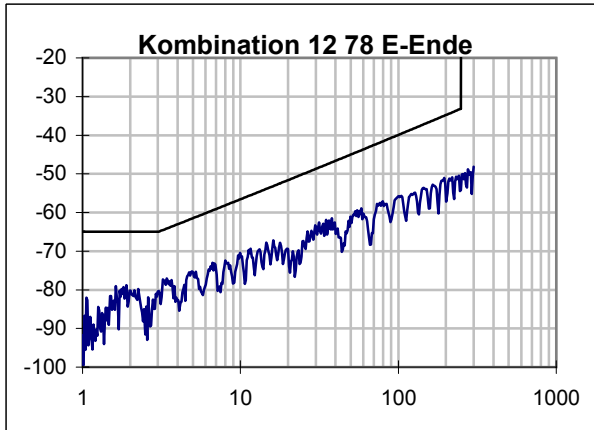
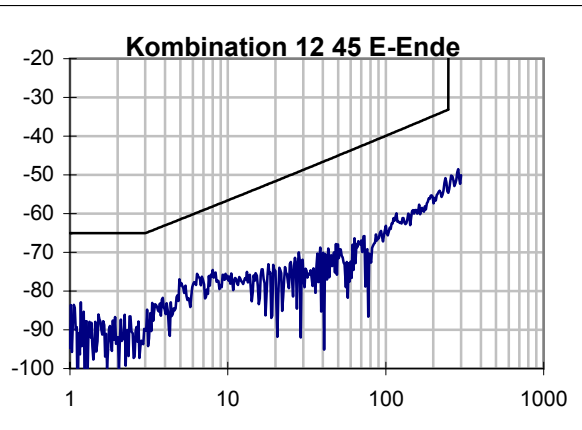
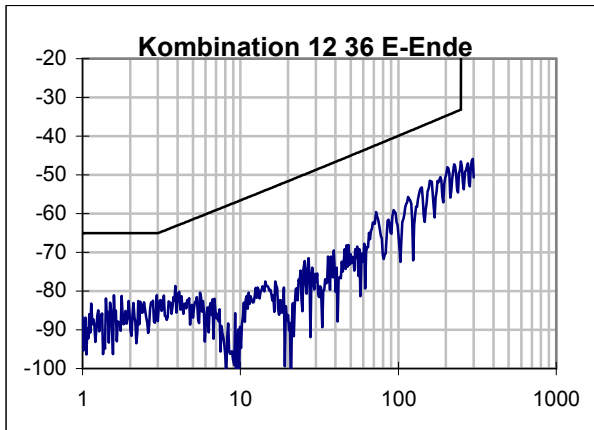
gepr.

Übersicht Ergebnis:

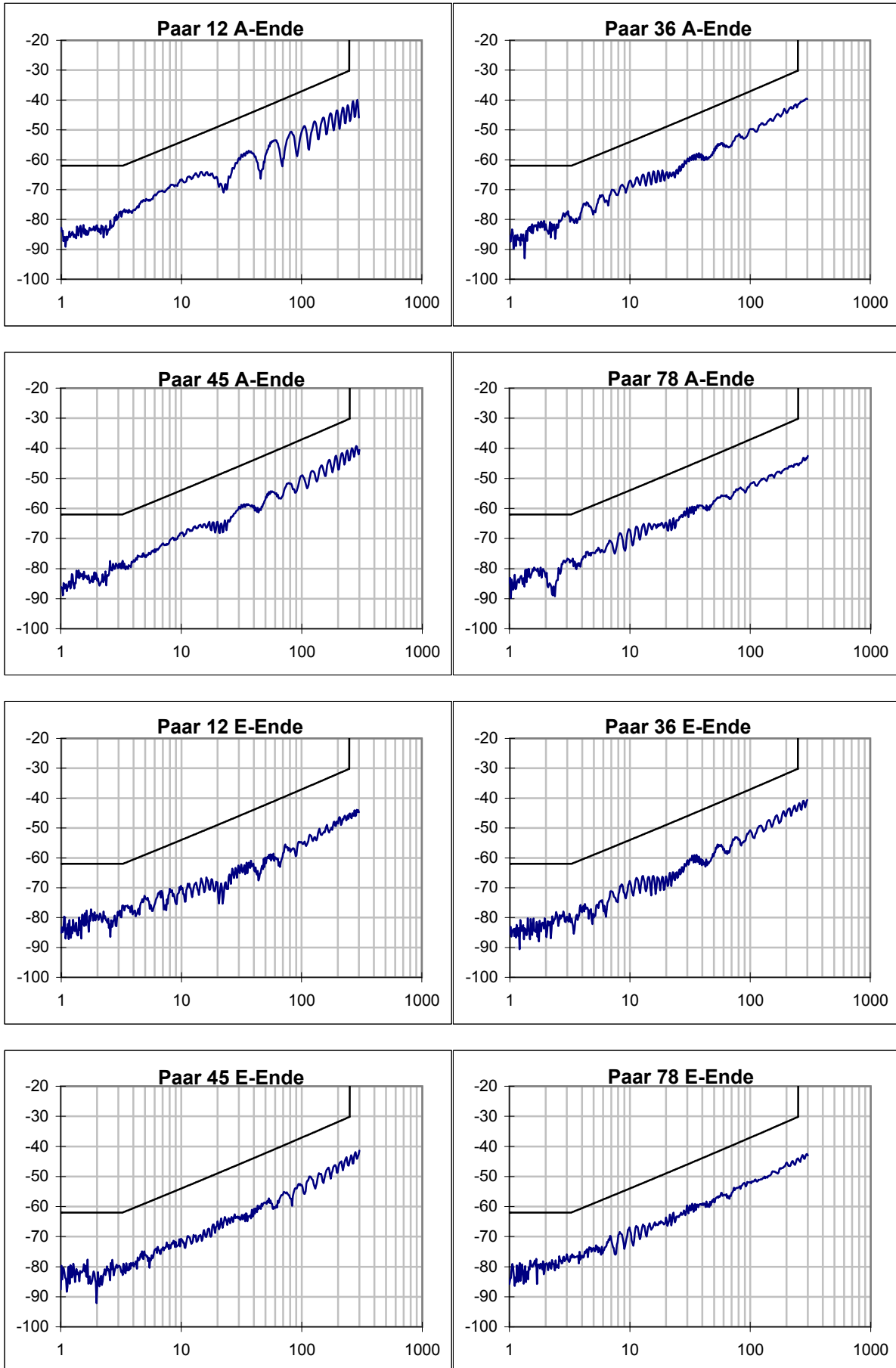
Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	397,5	402,5	396,3	399,1		8,8	50
Dämpfung @ 100MHz/dB	18,41	18,88	18,50	18,23	21,7		
Dämpfung @ 250MHz/dB	29,94	30,43	30,47	29,52	35,9		
min PSNEXT-Res. / dB	11,29	10,82	10,17	12,69			
@ f / MHz	242,23	192,82	238,80	9,79			
PSNEXT Gr. / dB	30,39	32,13	30,50	54,14			
PSNEXT @ 100 MHz	54,69	51,07	52,99	51,94	37,1		
PSNEXT @ 250 MHz	45,29	42,88	44,71	44,02	30,2		
min PSELFEXT-Res. / dB	12,29	11,46	14,06	18,16			
@ f / MHz	1,20	1,07	1,47	1,15			
PSELFEXT Gr. / dB	58,65	59,64	56,91	59,02			
PSELFEXT @ 100 MHz	39,31	55,51	39,67	48,78	20,3		
PSELFEXT @ 250 MHz	28,31	29,16	32,16	36,57	12,3		
min PSACR-Reserve / dB	13,1	13,4	14,4	13,2			
@ f / MHz	9,8	12,8	11,3	9,8			
PSACR Grenz. / dB	47,7	44,8	46,1	47,7			
PSACR @ 100 MHz	36,28	32,22	34,19	33,28	15,4		
PSACR @ 250 MHz	15,35	12,65	14,31	13,61	-5,8		
min RL-Reserve / dB	6,4	5,8	6,1	5,7			
@ f / MHz	199,8	236,5	187,1	39,1			
RL Grenzwert / dB	9,0	8,3	9,3	16,0			
Kombination	12 36	12 45	12 78	36 45	36 78	45 78	Grenzwert
min NEXT-Reserve / dB	12,46	10,47	12,72	9,50	12,41	13,59	
@ f / MHz	198,39	219,22	3,22	190,09	11,29	225,56	
NEXT Grenzw. /dB	34,84	34,10	64,56	35,16	55,71	33,88	
NEXT @ 100 MHz	62,90	64,23	56,01	53,95	54,85	62,13	39,9
NEXT @ 250 MHz	46,52	54,60	54,19	49,26	47,59	47,34	33,1
min ELFEXT-Res. / dB	10,1	14,7	17,2	12,7	17,2	18,6	
@ f / MHz	1,2	1,0	1,2	213,1	1,1	1,0	
ELFEXT Grw. /dB	61,40	63,13	61,65	16,69	62,64	62,89	
ELFEXT @ 100 MHz	56,75	39,80	49,81	62,25	69,70	55,72	23,3
ELFEXT @ 250 MHz	30,23	33,44	41,30	38,60	38,92	47,53	15,3
min ACR-Reserve/ dB	14,8	13,5	12,9	13,9	13,0	14,0	
@ f / MHz	6,0	11,3	3,2	190,1	8,3	1,7	
ACR Grenzw. /dB	55,1	48,7	60,8	4,3	52,0	62,2	
ACR @ 100 MHz	44,49	45,82	37,60	35,07	35,97	43,62	18,2
ACR @ 250 MHz	16,57	24,65	24,25	18,83	17,17	16,87	-2,8

NEXT / dB

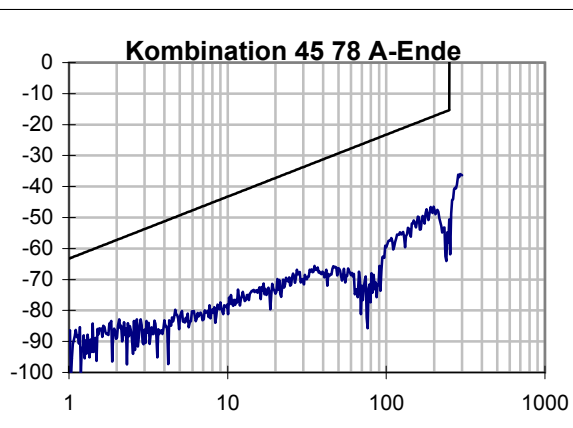
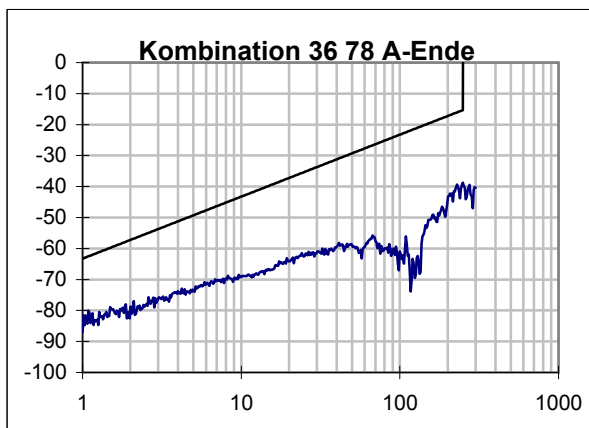
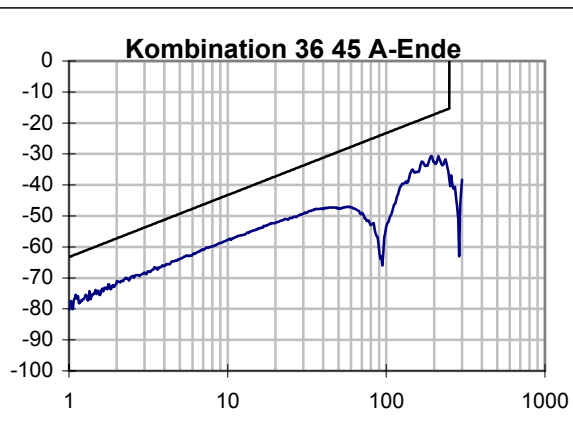
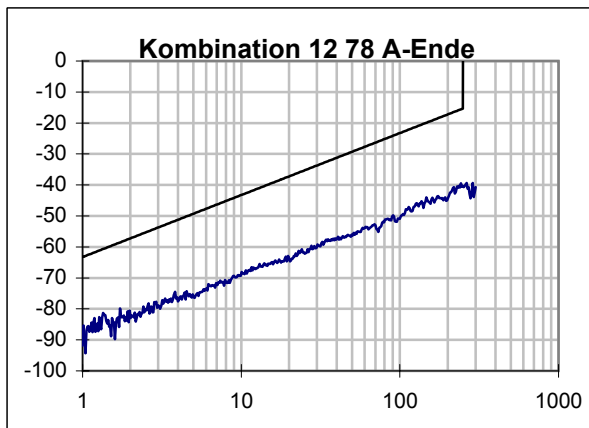
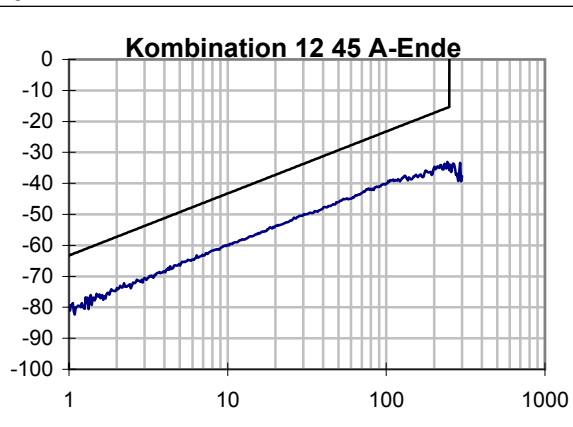
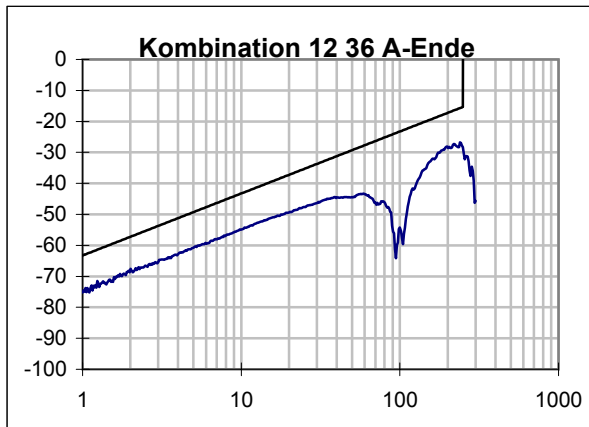


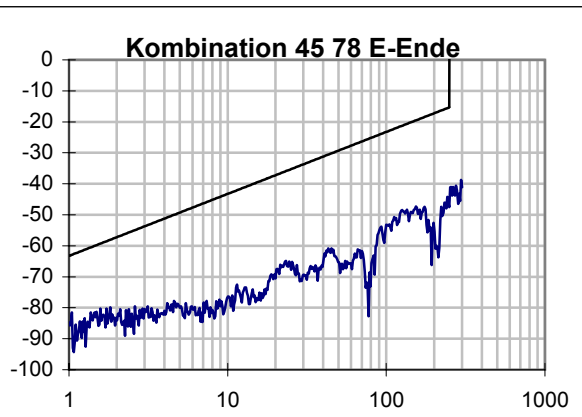
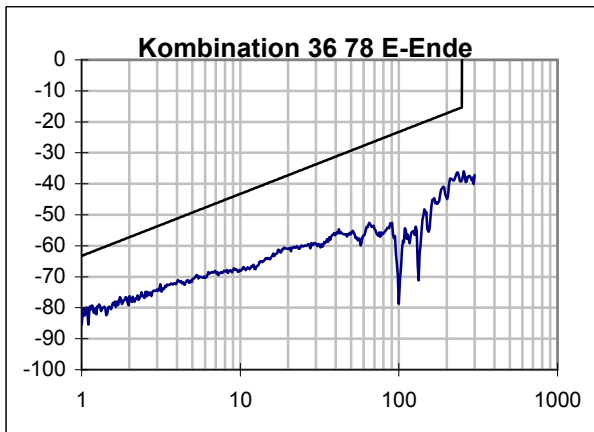
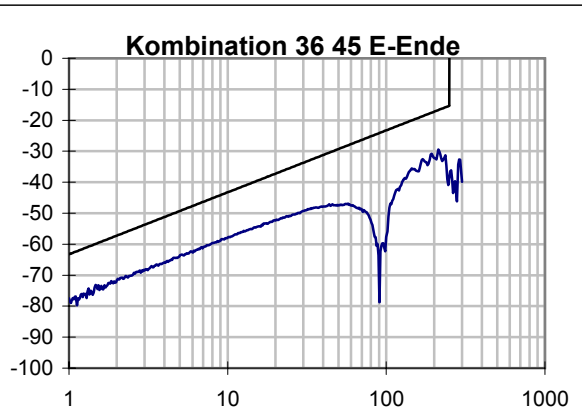
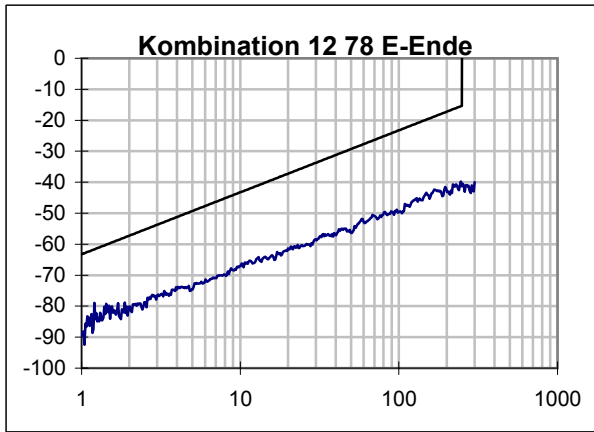
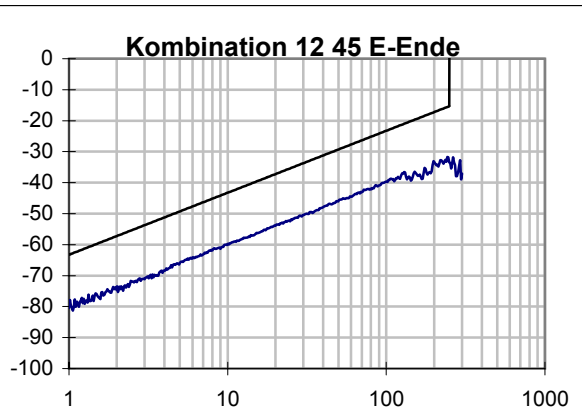
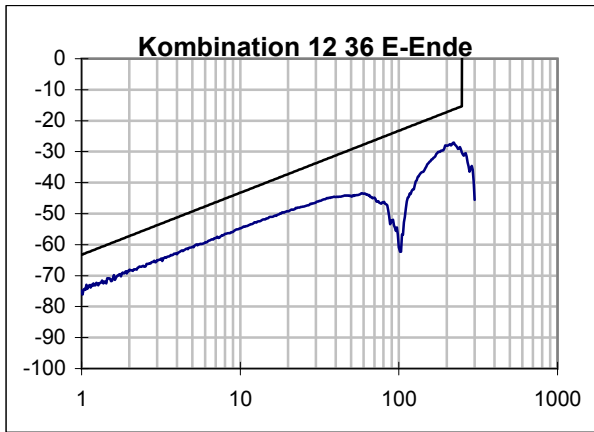


PSNEXT / dB

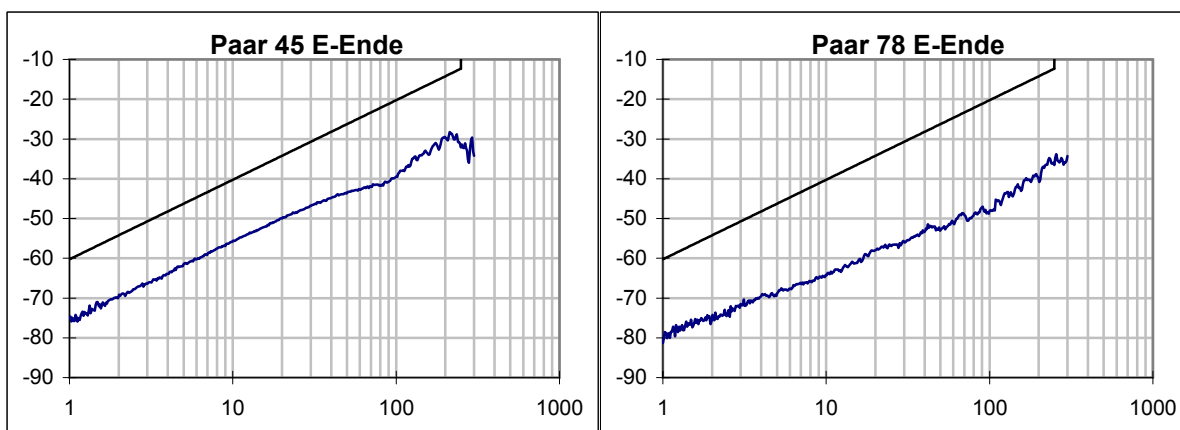
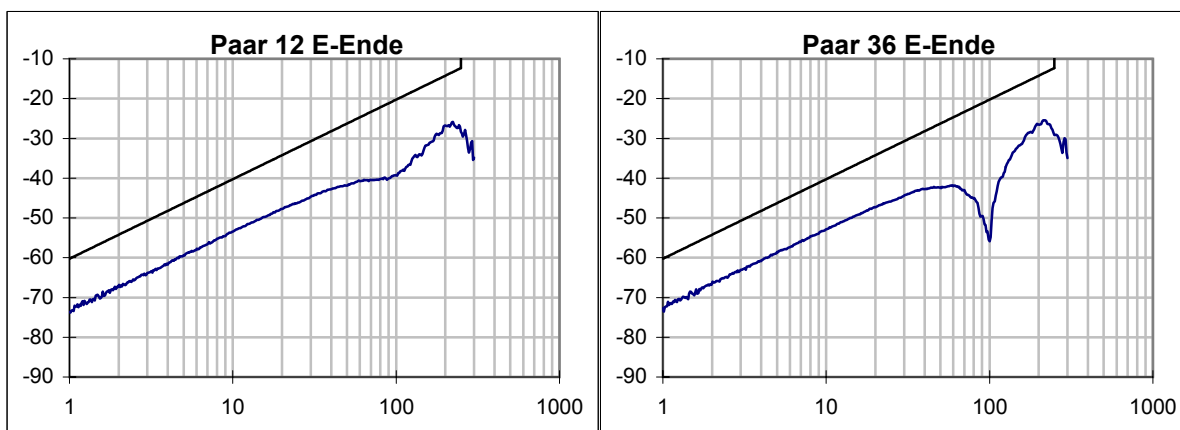
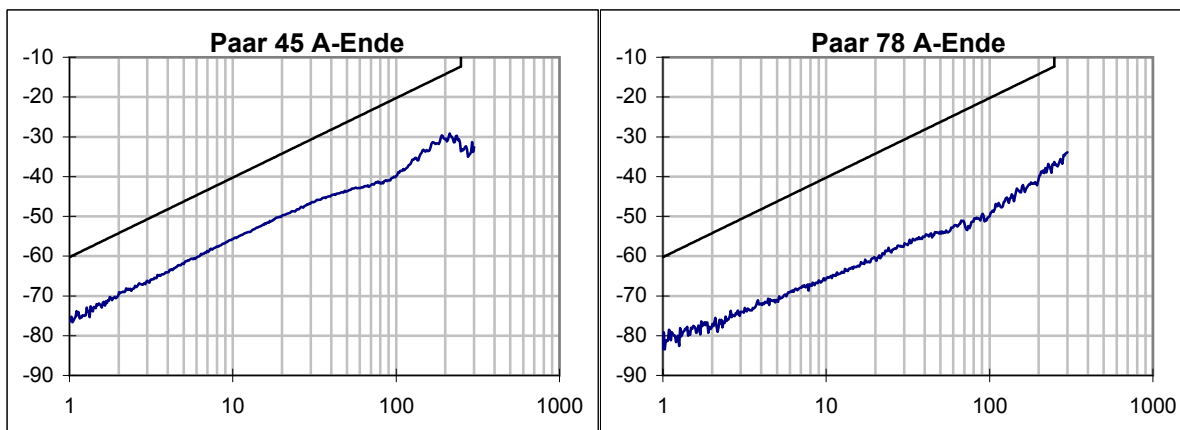
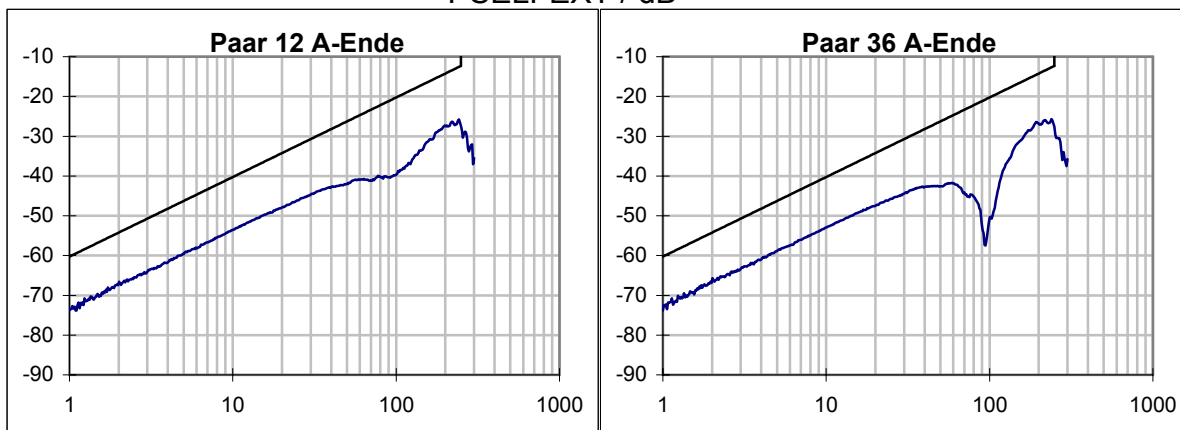


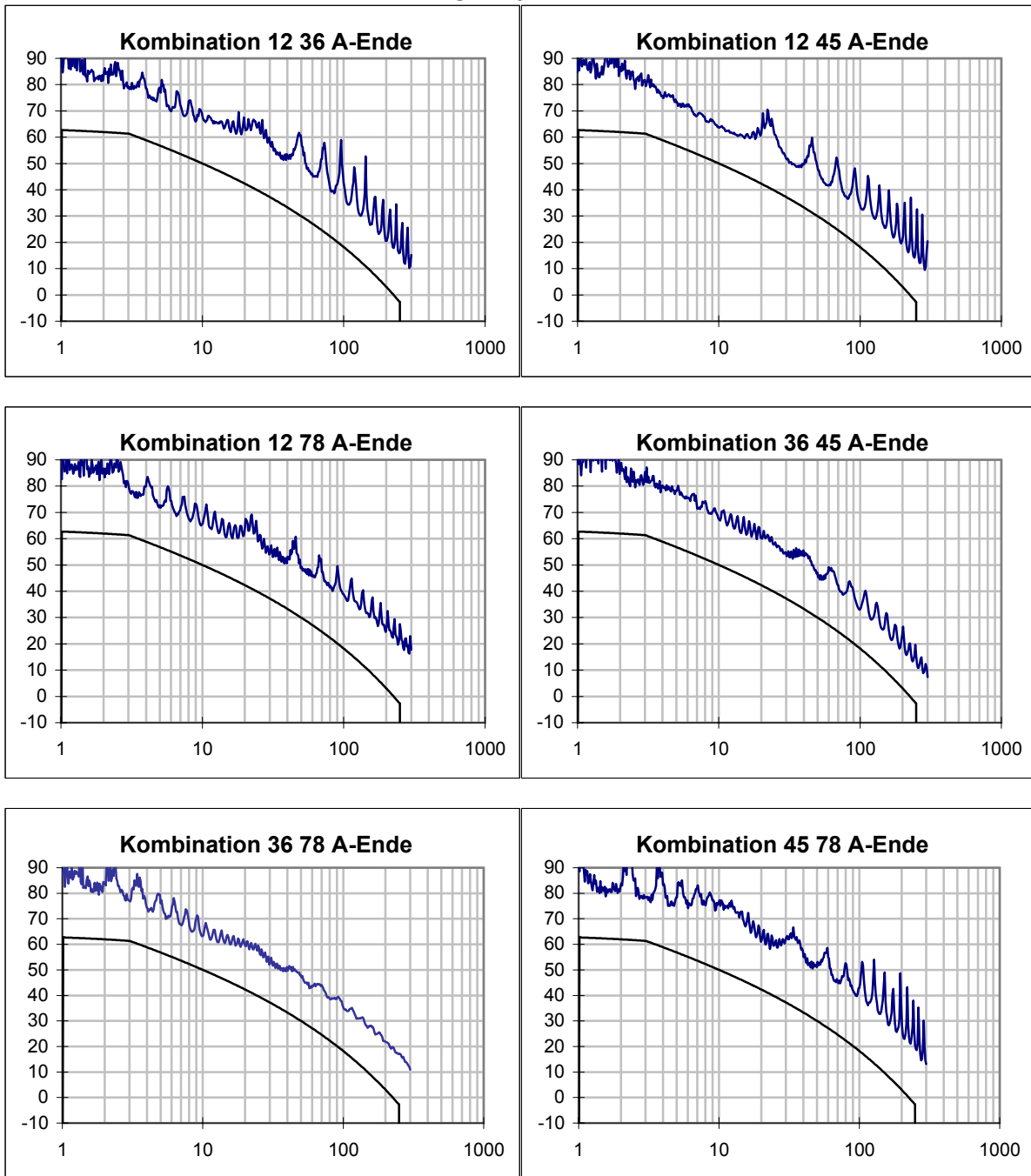
ELFEXT / dB

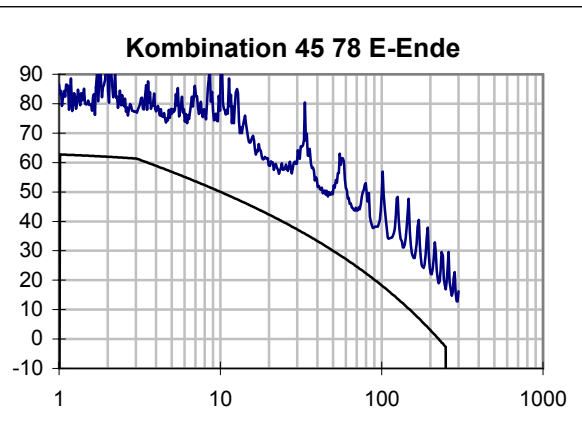
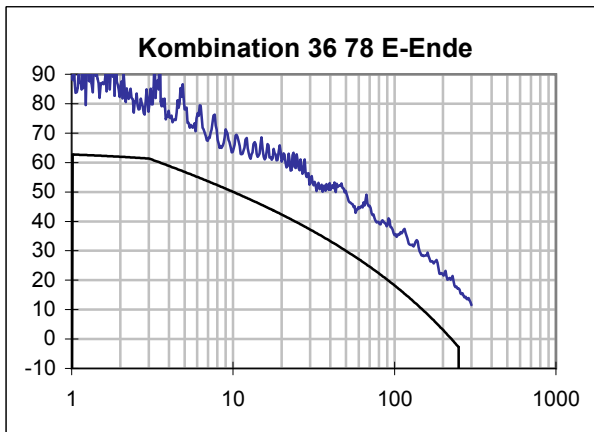
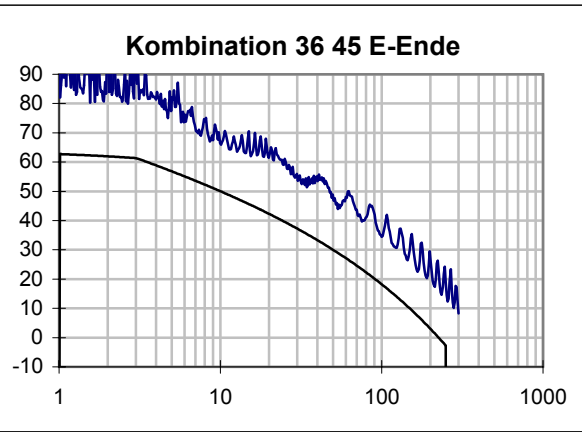
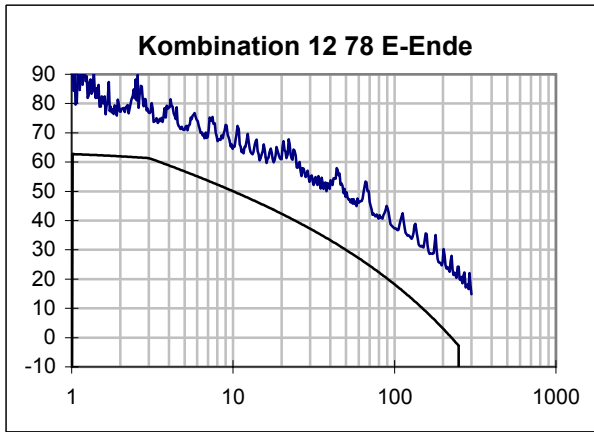
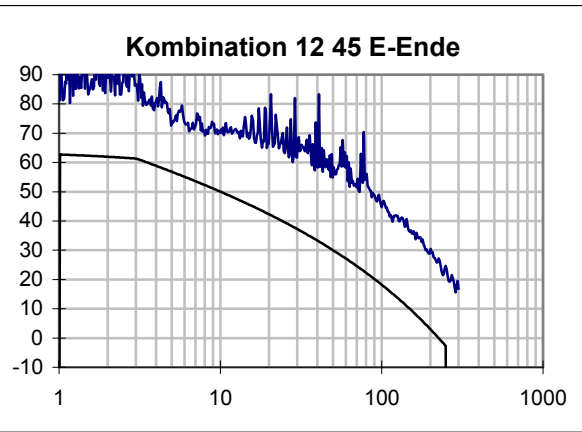
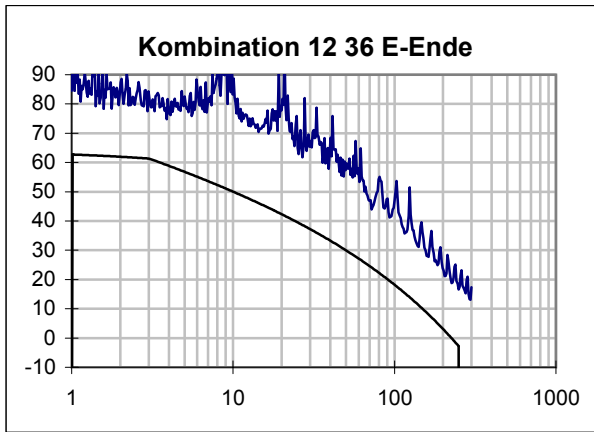




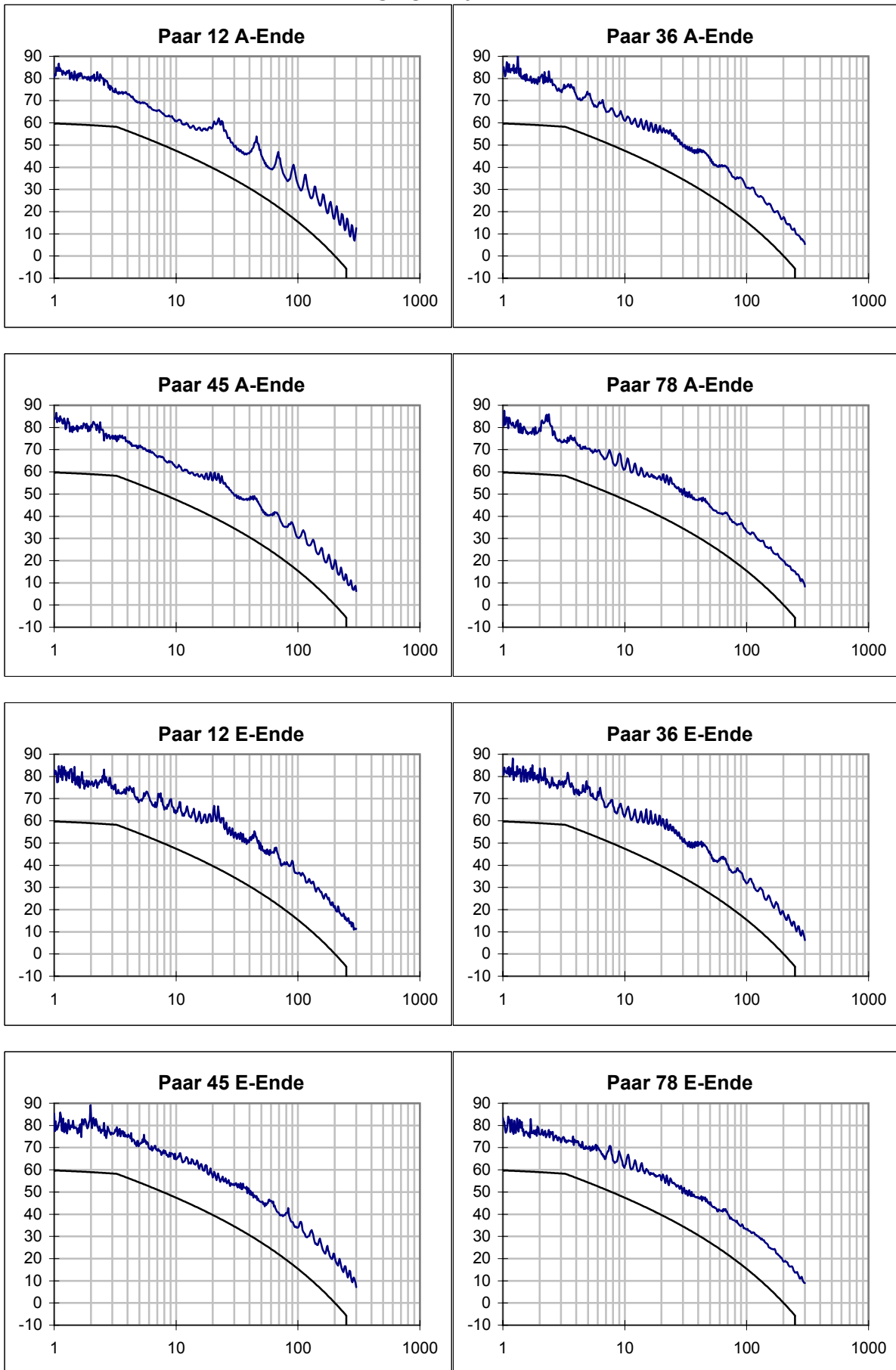
PSELFEXT / dB



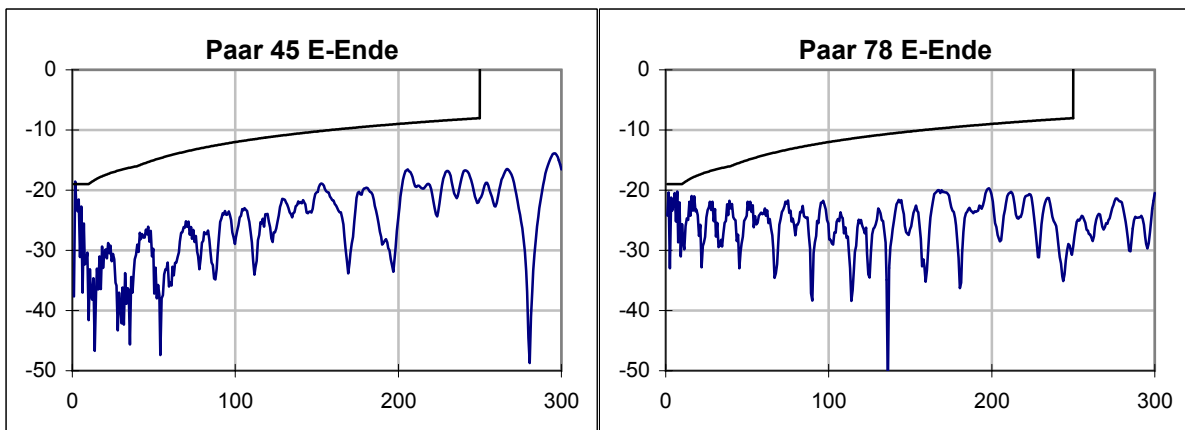
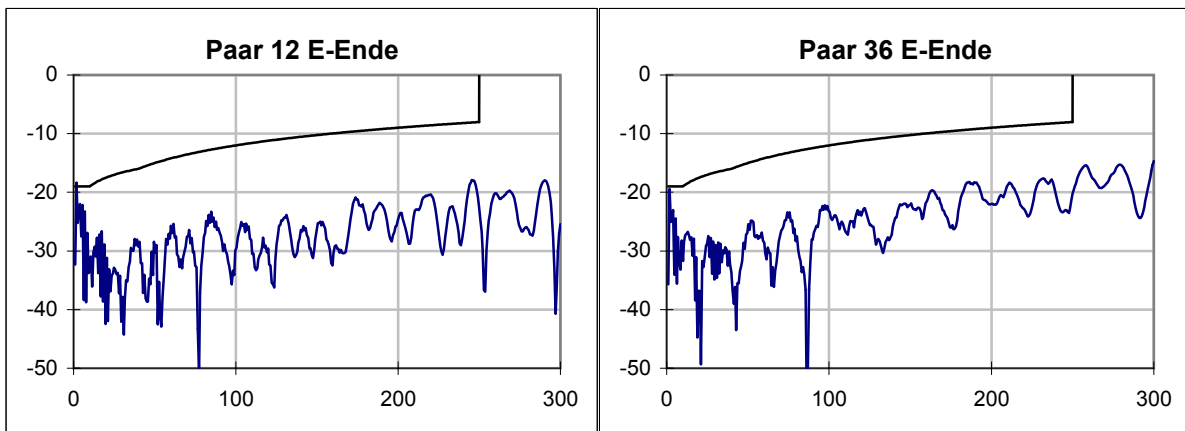
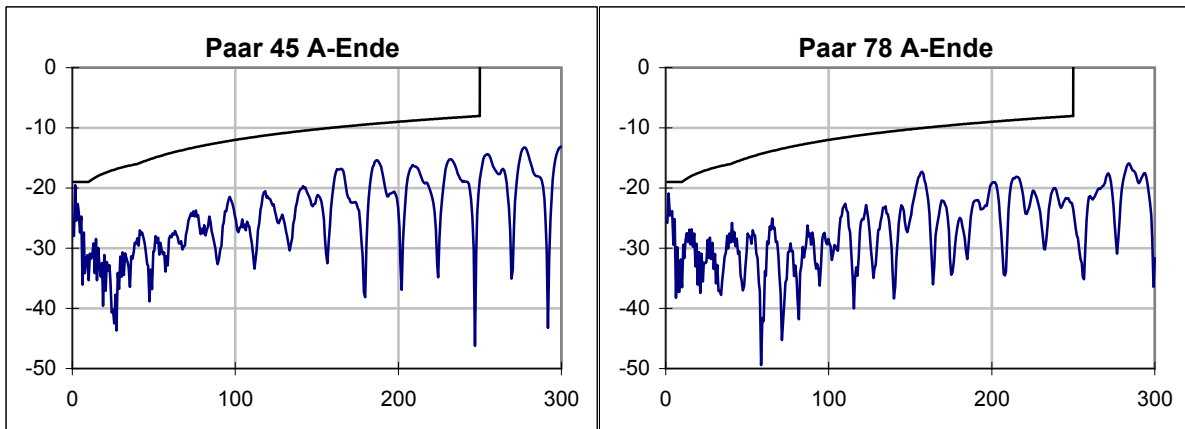
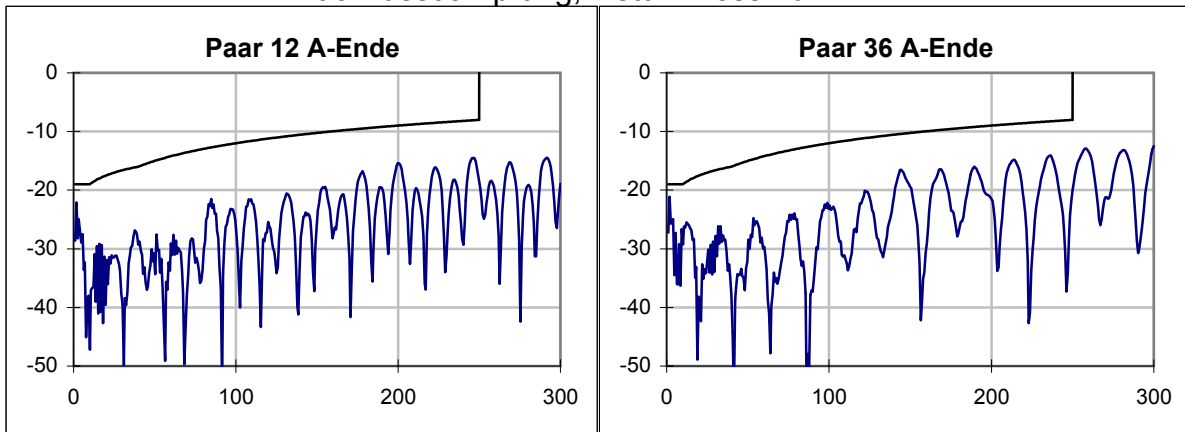




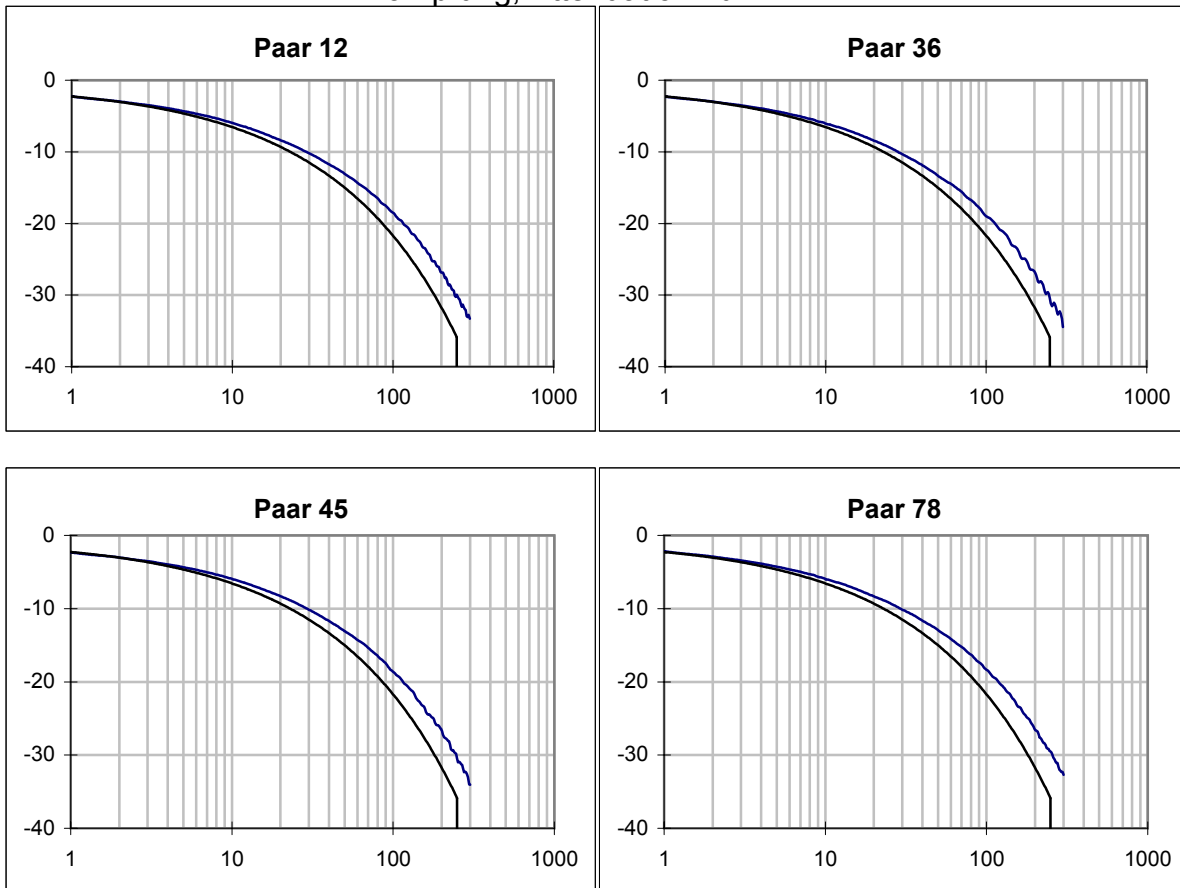
PSACR / dB



Rückflusssdämpfung, Return Loss / dB



Dämpfung, Attenuation / dB



Laufzeit, Delay / ns

