



Channel-Messung

Draka Multimedia Cable

Aufbau:

Patch-Kabel A-Ende: **5 m Shielded Giga Channel Patch Cord AWG27 (Panduit-Stecker)**
 Komponente A-Ende: **Panduit CJS688T**
 Tertiärkabel: **90 m UC400 S24 4P**
 Komponente E-Ende: **Panduit CJS688T**
 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

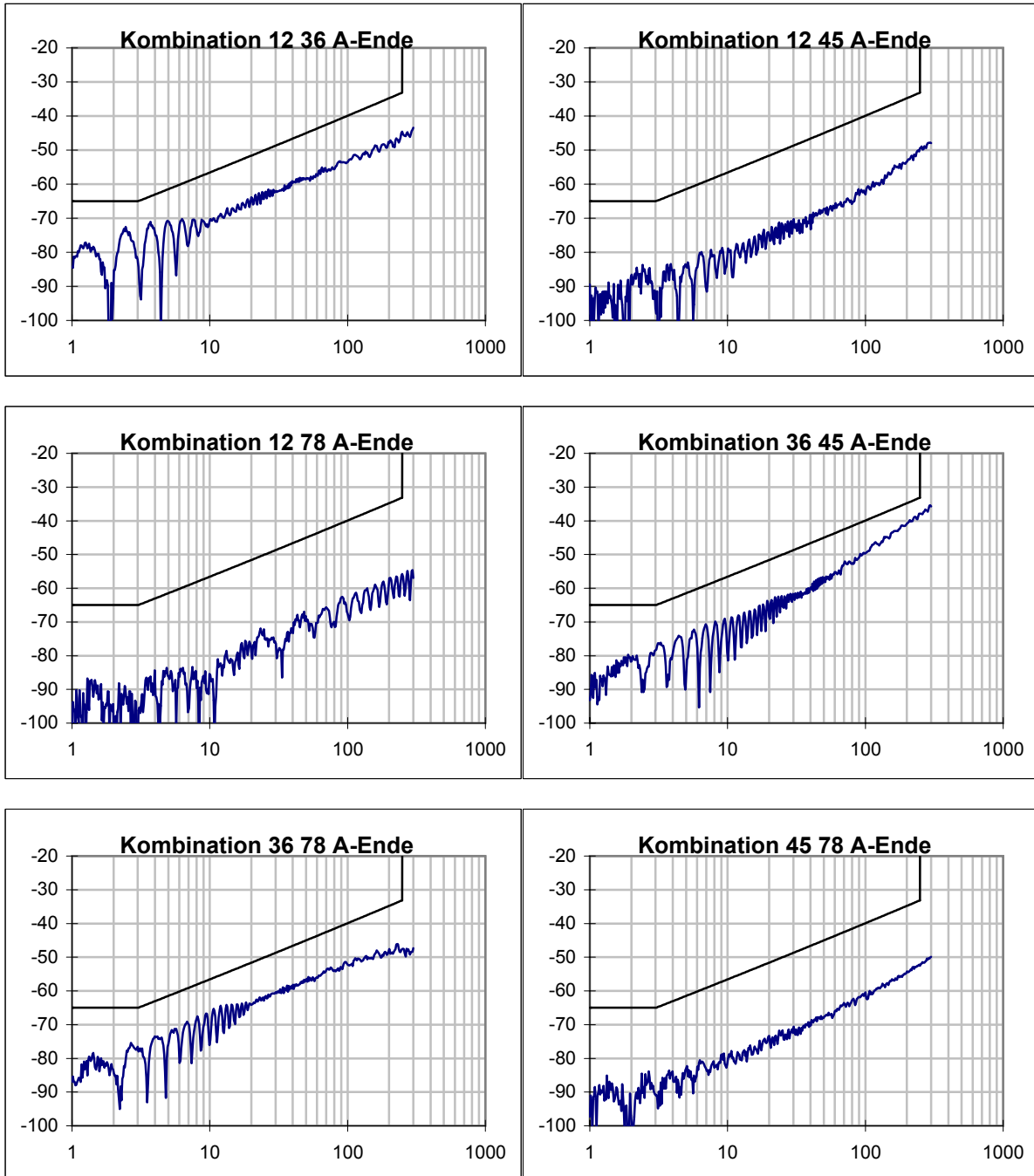
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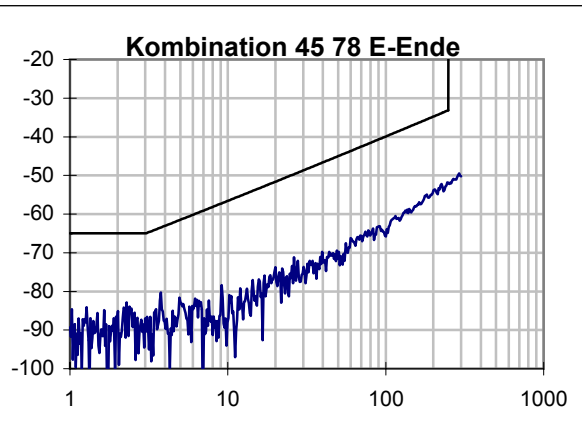
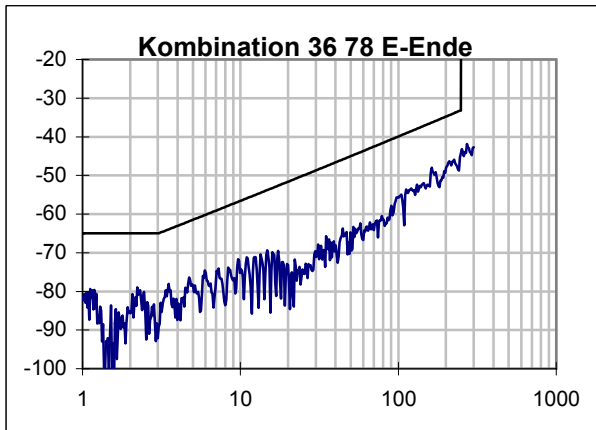
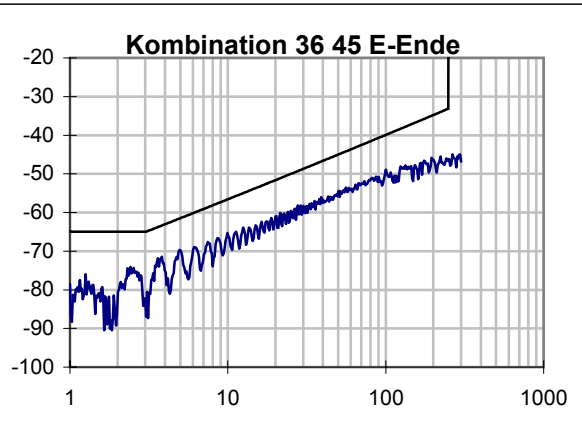
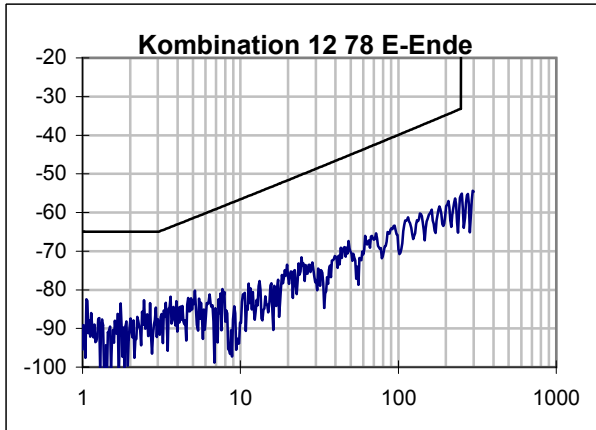
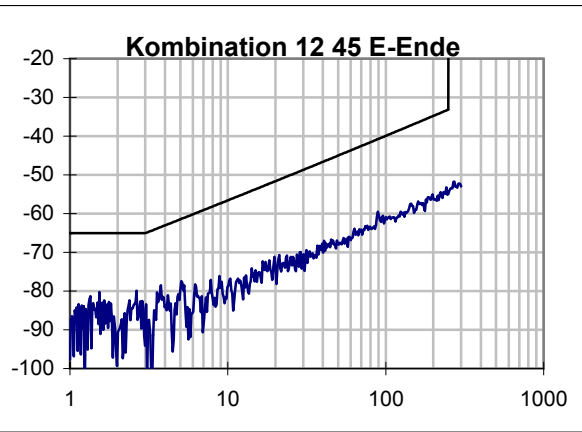
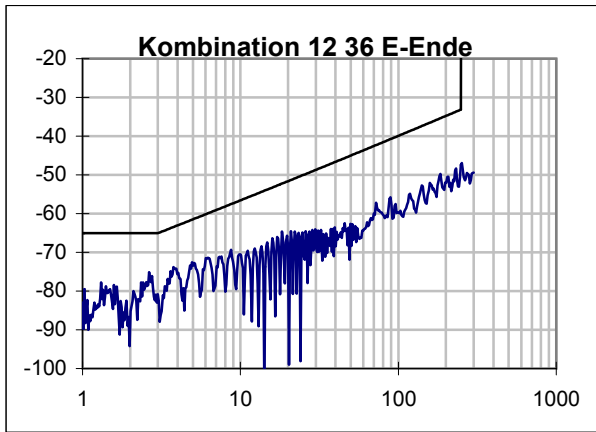
Übersicht Ergebnis:

Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	436,4	430,1	429,1	432,2		8,7	50
Dämpfung @ 100MHz/dB	19,41	19,09	19,08	18,66	21,7		
Dämpfung @ 250MHz/dB	31,41	30,95	30,83	29,96	35,9		
min PSNEXT-Res. / dB	9,73	6,50	7,23	11,46			
@ f / MHz	3,71	245,71	245,71	11,96			
PSNEXT Gr. / dB	61,07	30,29	30,29	52,70			
PSNEXT @ 100 MHz	56,92	48,74	49,77	54,91	37,1		
PSNEXT @ 250 MHz	46,22	41,01	44,72	43,32	30,2		
min PSELFEXT-Res. / dB	13,25	12,64	15,91	16,44			
@ f / MHz	1,62	1,62	2,32	1,14			
PSELFEXT Gr. / dB	56,05	56,05	52,95	59,14			
PSELFEXT @ 100 MHz	41,96	39,20	39,38	49,47	20,3		
PSELFEXT @ 250 MHz	31,80	31,55	35,98	43,12	12,3		
min PSACR-Reserve / dB	9,9	8,6	10,1	12,2			
@ f / MHz	3,7	3,6	3,8	10,7			
PSACR Grenz. / dB	57,0	57,3	56,9	46,8			
PSACR @ 100 MHz	37,51	29,62	30,66	35,80	15,4		
PSACR @ 250 MHz	14,81	9,96	13,75	12,35	-5,8		
min RL-Reserve / dB	6,3	5,6	8,7	12,0			
@ f / MHz	36,9	234,2	235,0	173,7			
RL Grenzwert / dB	16,2	8,3	8,3	9,6			

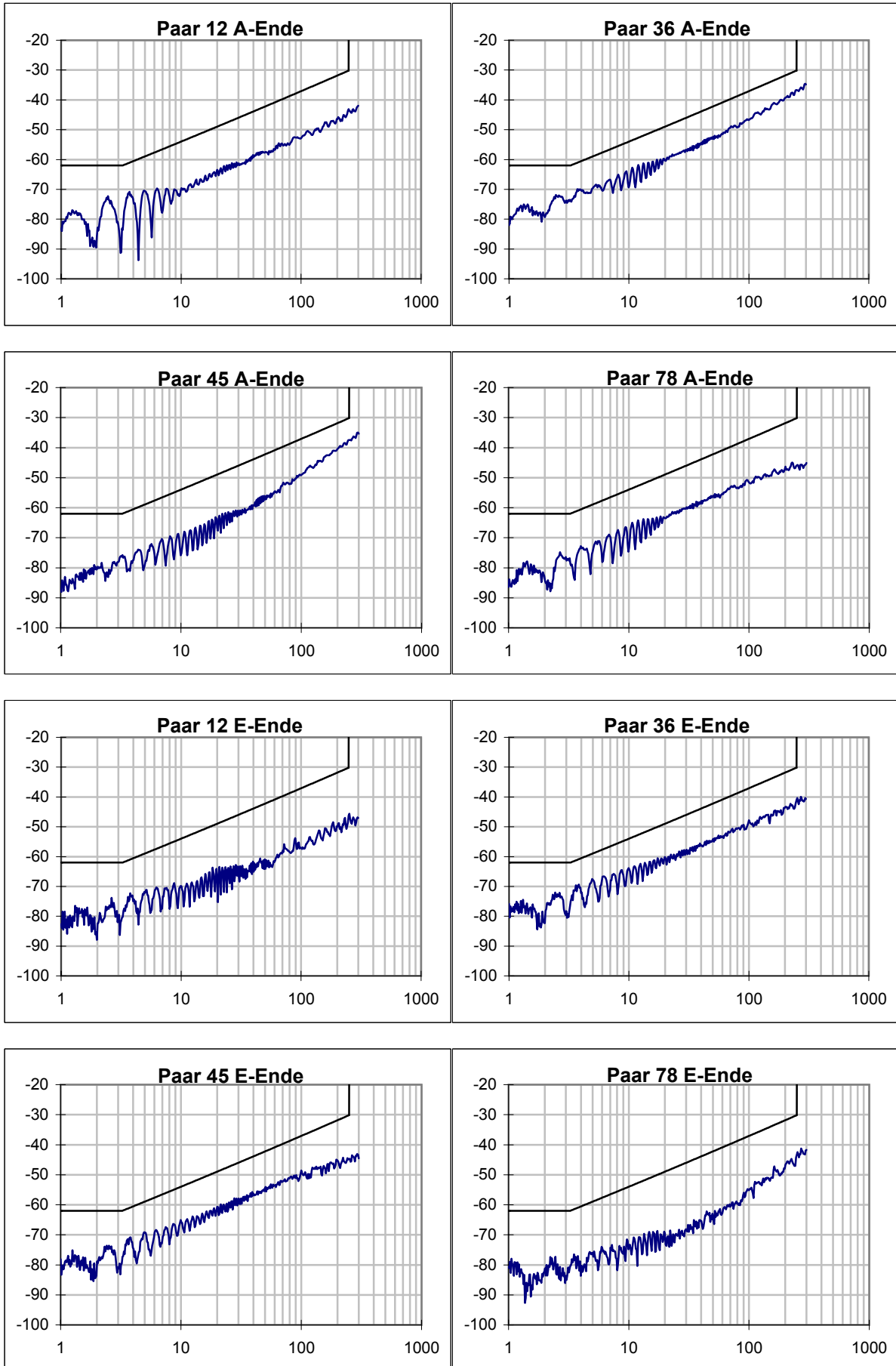
Kombination	12 36	12 45	12 78	36 45	36 78	45 78	Grenzwert
min NEXT-Reserve / dB	7,54	14,91	17,43	4,66	9,07	16,79	
@ f / MHz	3,71	2,64	1,06	245,71	11,96	3,77	
NEXT Grenzw. /dB	63,56	65,00	65,00	33,24	55,31	63,46	
NEXT @ 100 MHz	59,63	61,67	65,83	50,18	55,71	65,56	39,9
NEXT @ 250 MHz	47,48	54,92	55,55	46,20	44,28	51,87	33,1
min ELFEXT-Res. / dB	11,0	15,8	24,6	14,5	13,5	23,0	
@ f / MHz	1,6	1,5	1,6	2,3	1,1	1,1	
ELFEXT Grw. /dB	59,05	59,54	59,29	55,95	62,51	62,14	
ELFEXT @ 100 MHz	45,32	44,67	68,84	40,94	49,83	61,21	23,3
ELFEXT @ 250 MHz	32,64	39,47	54,32	39,02	45,13	48,44	15,3
min ACR-Reserve/ dB	7,6	15,0	17,3	8,3	9,8	17,1	
@ f / MHz	2,5	2,6	1,1	3,6	12,0	3,8	
ACR Grenzw. /dB	61,7	61,6	62,7	59,8	48,1	59,4	
ACR @ 100 MHz	40,22	42,26	46,42	31,09	36,62	46,49	18,2
ACR @ 250 MHz	16,07	23,51	24,14	15,25	13,33	21,04	-2,8

NEXT / dB

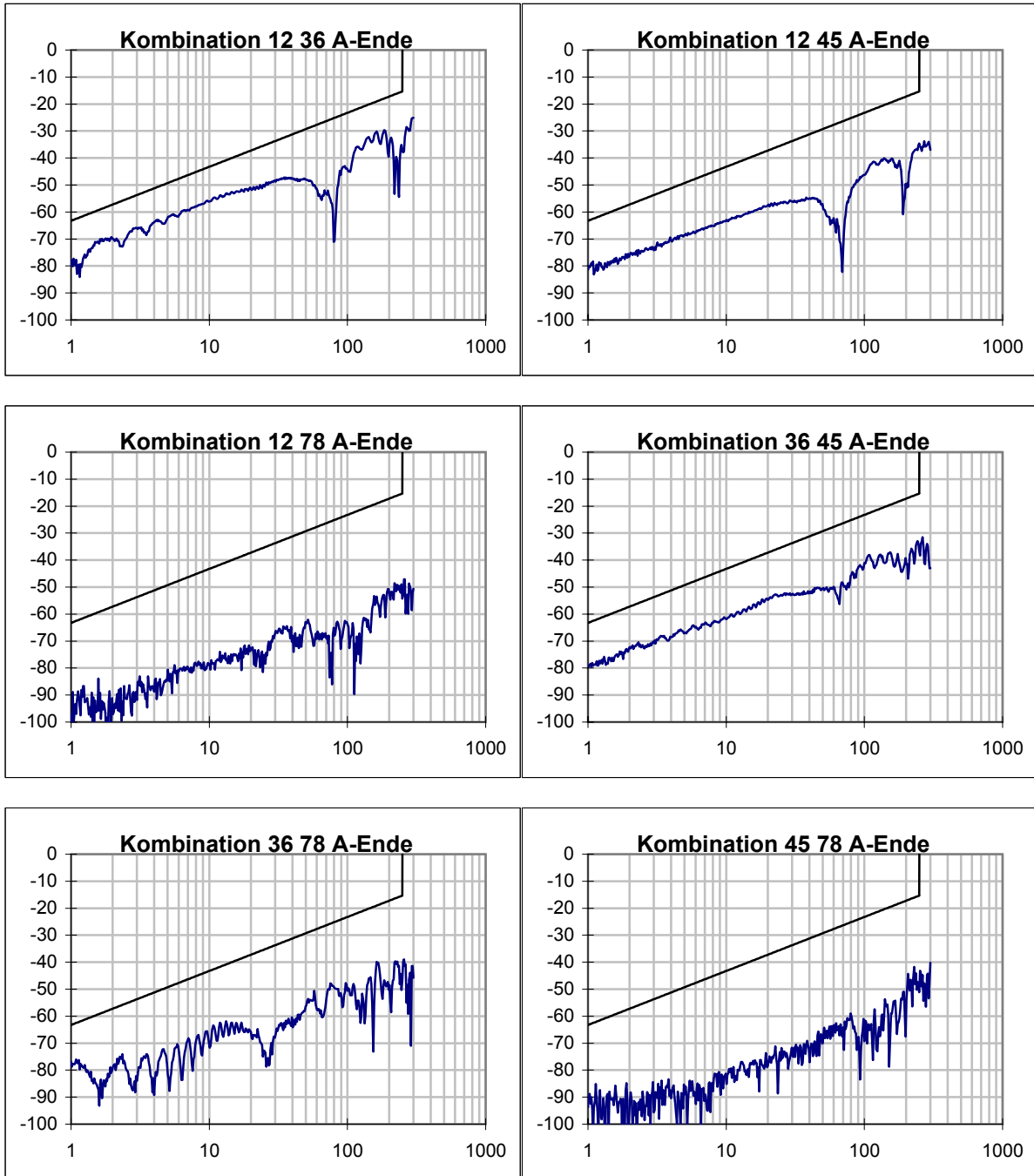


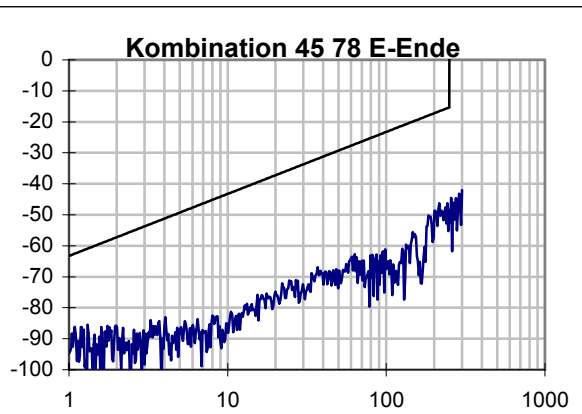
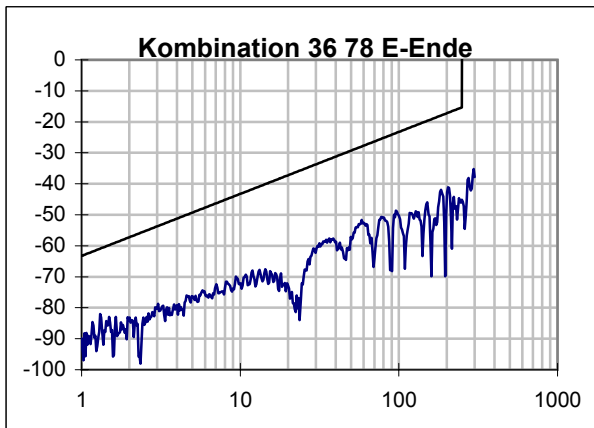
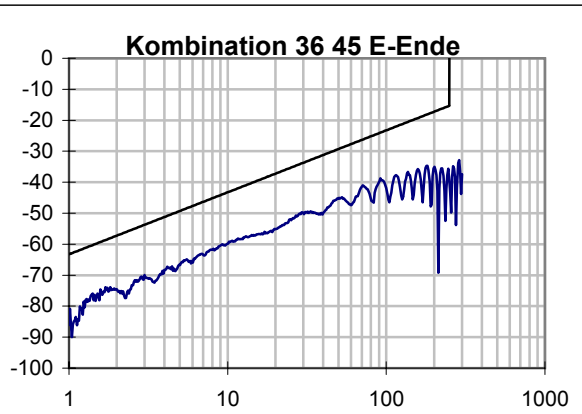
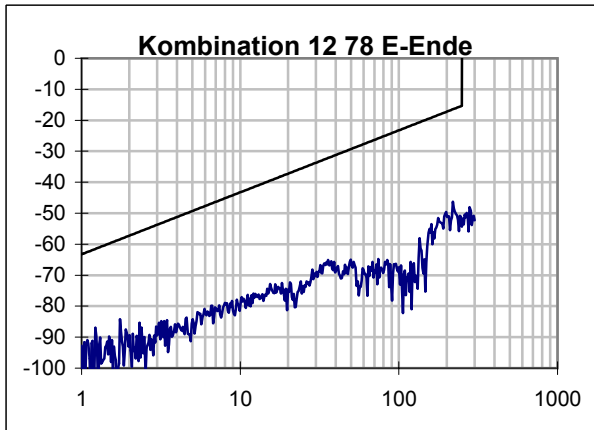
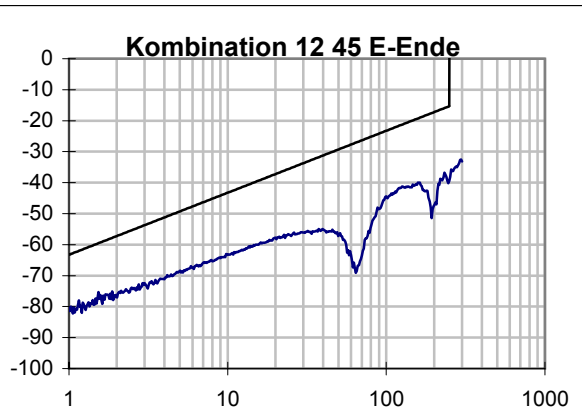
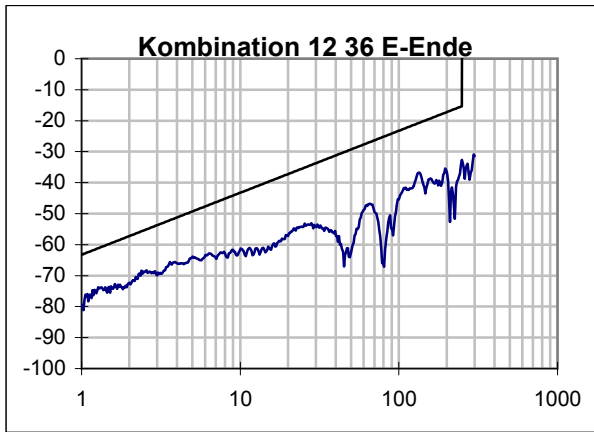


PSNEXT / dB

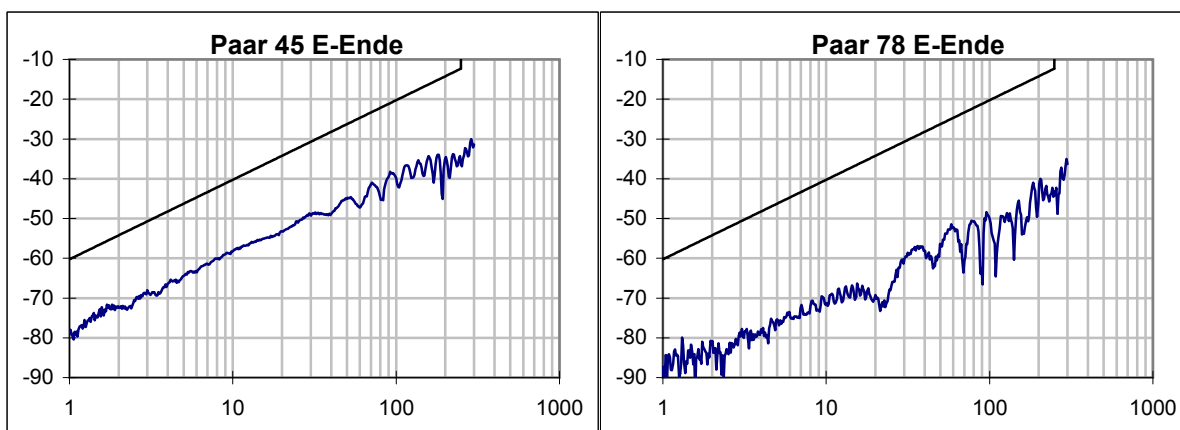
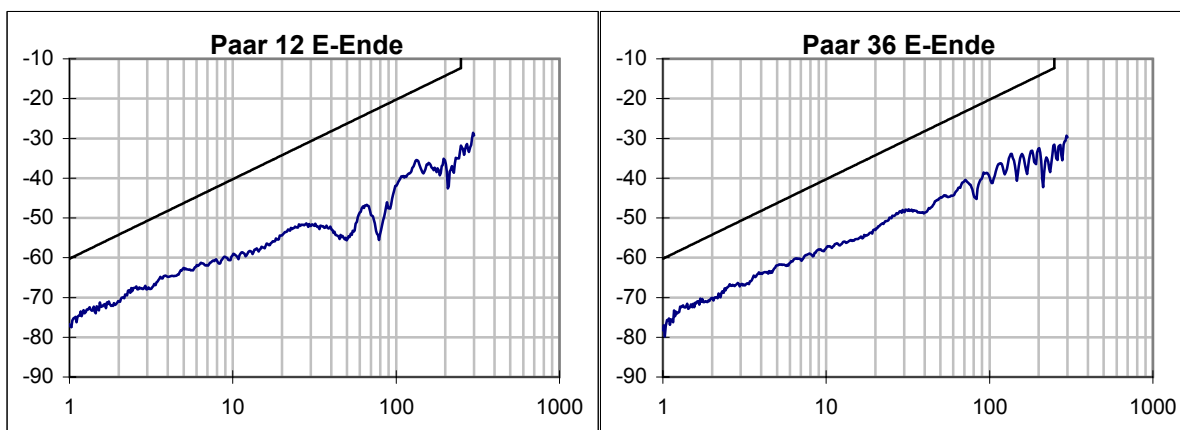
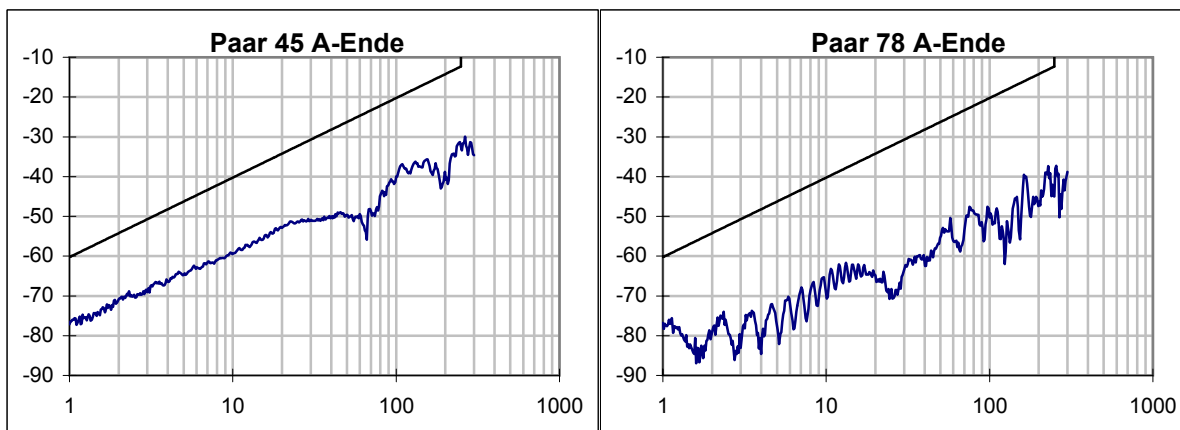
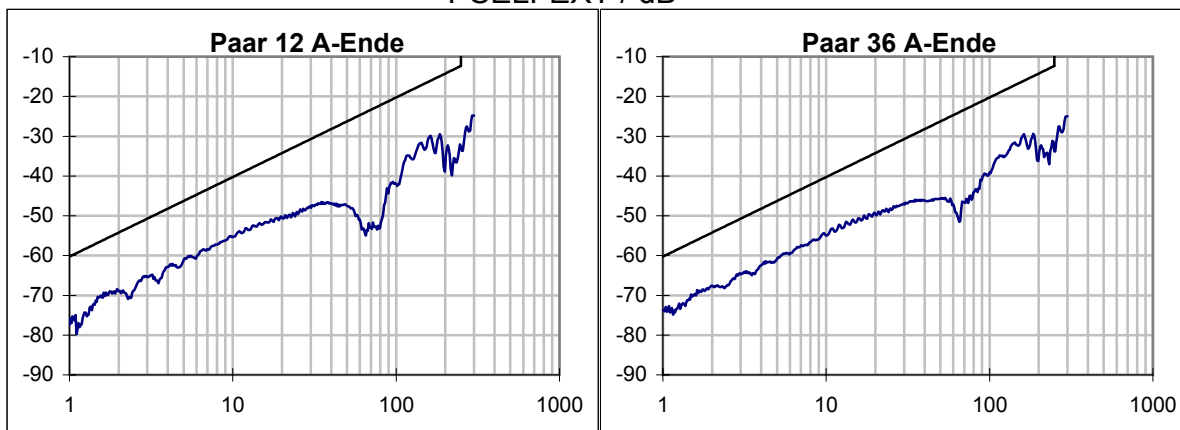


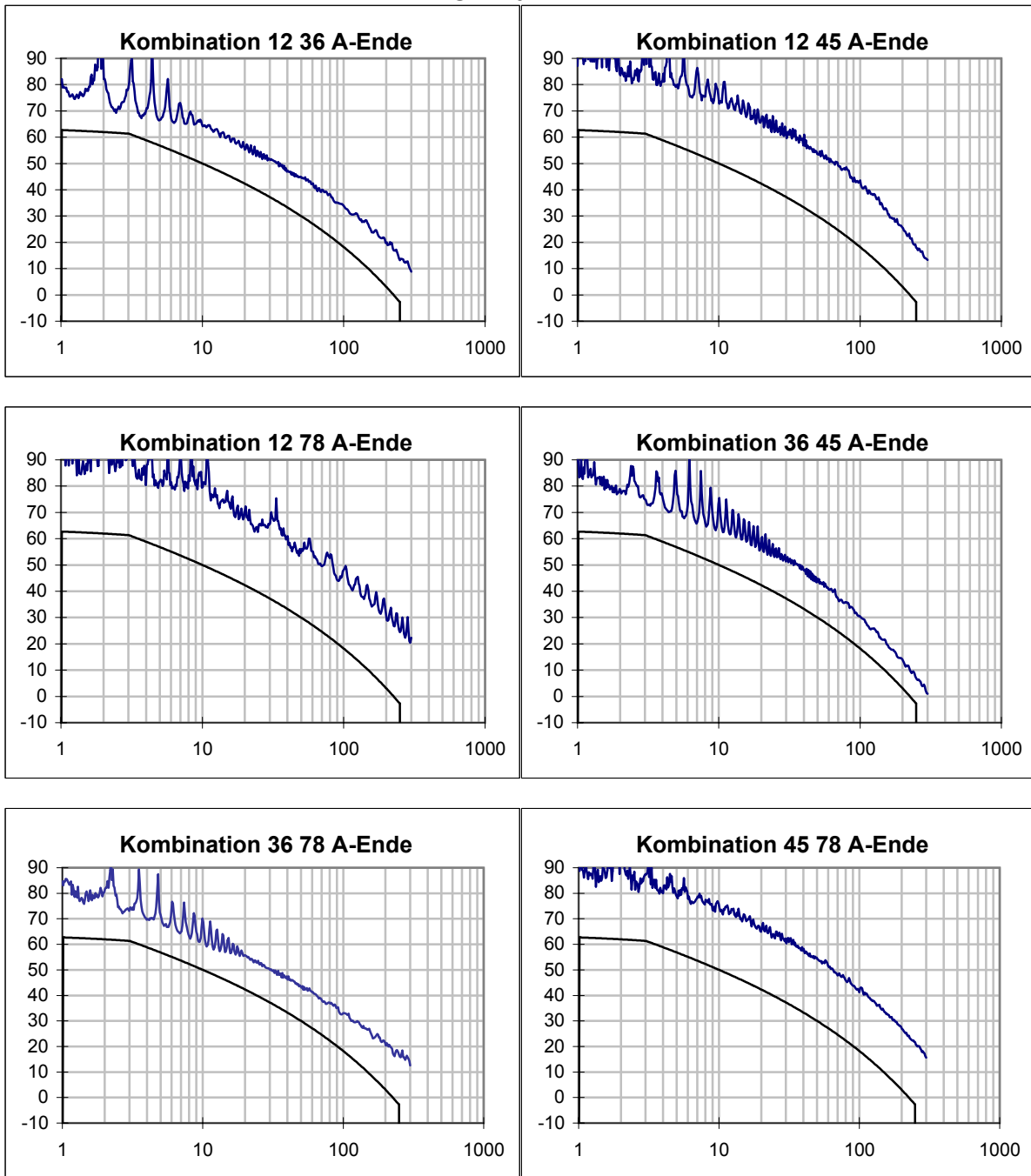
ELFEXT / dB

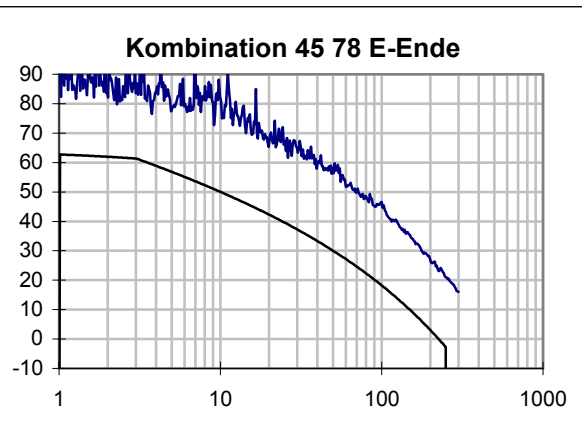
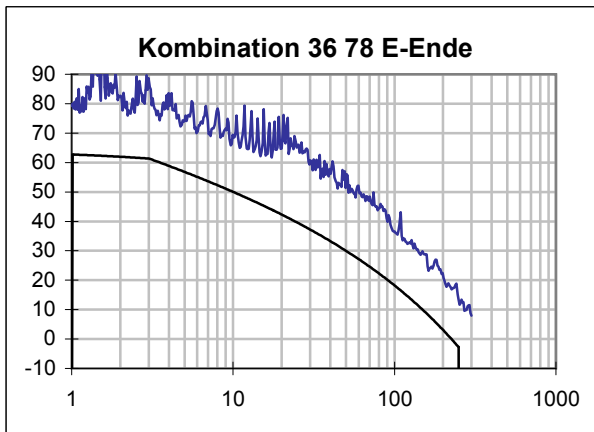
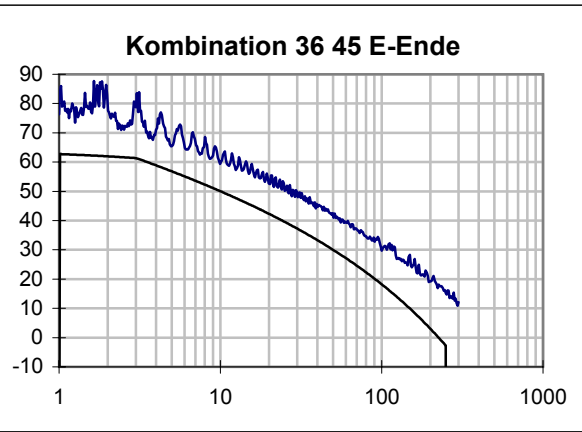
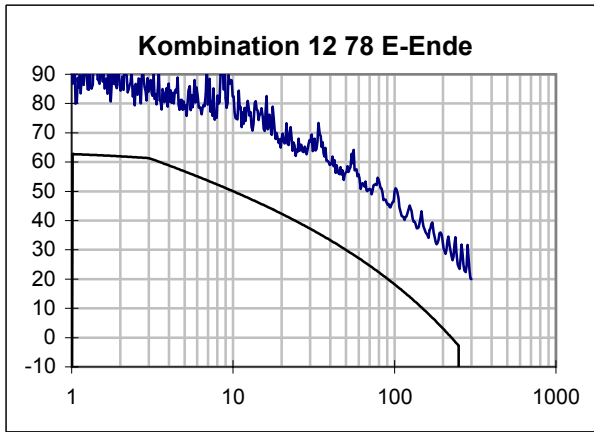
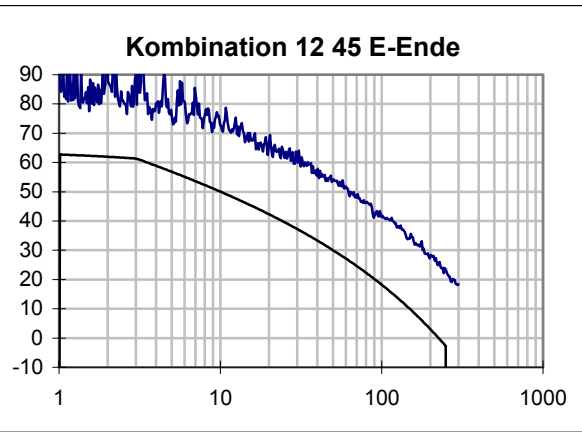
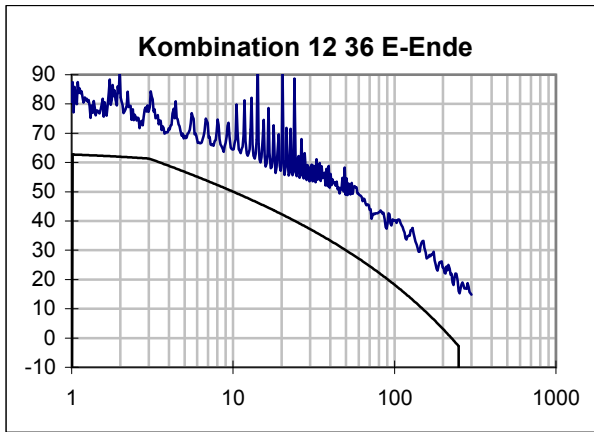




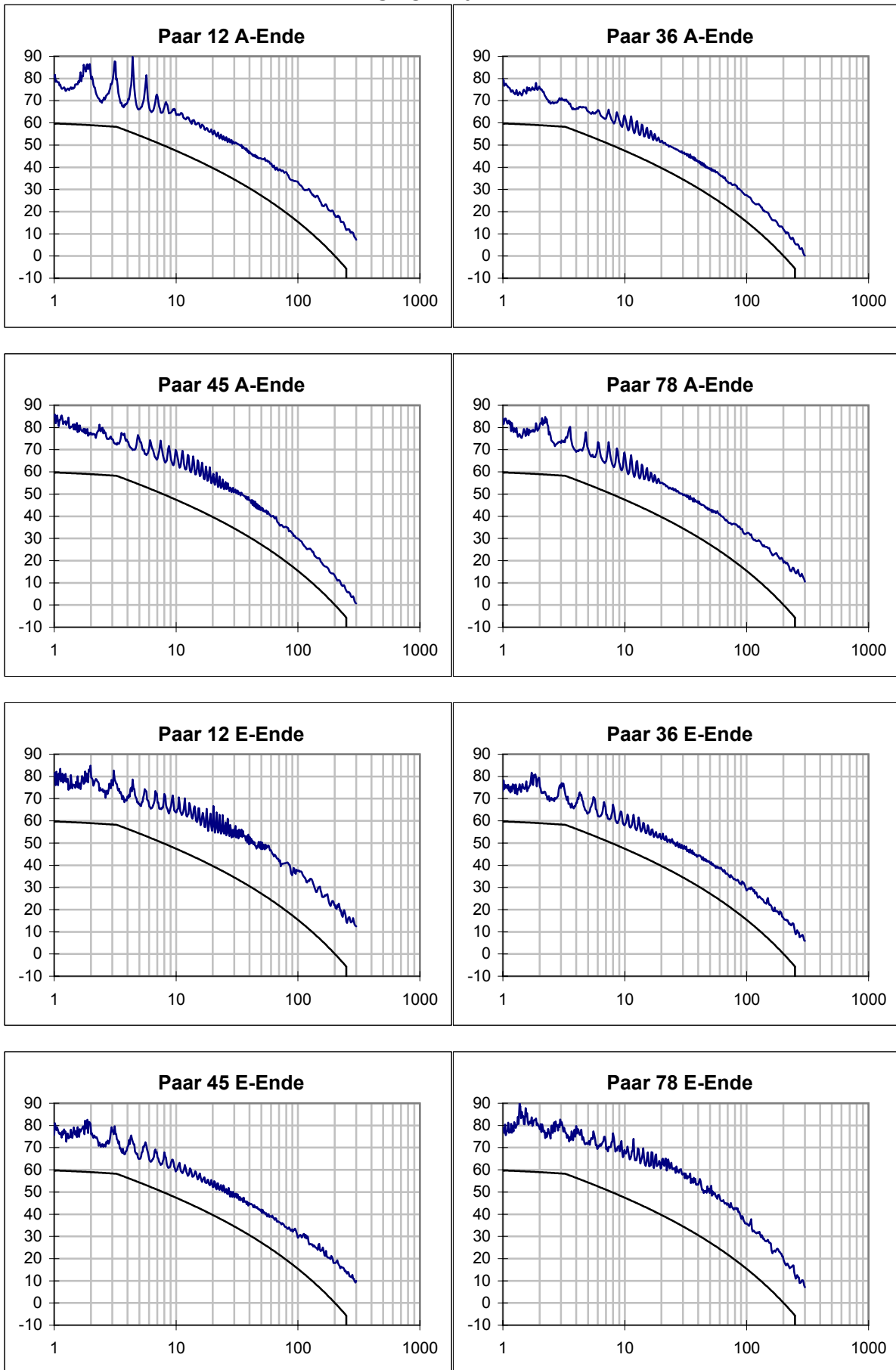
PSELFEXT / dB



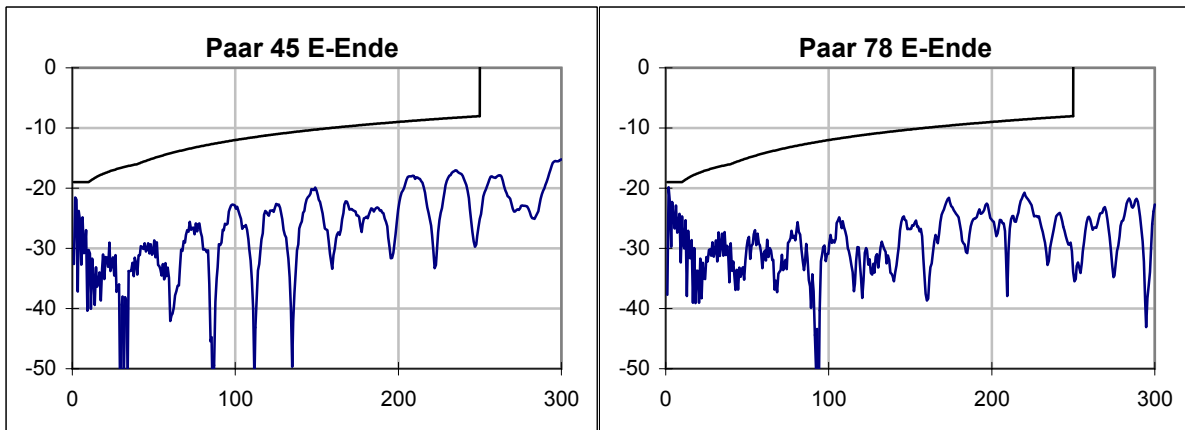
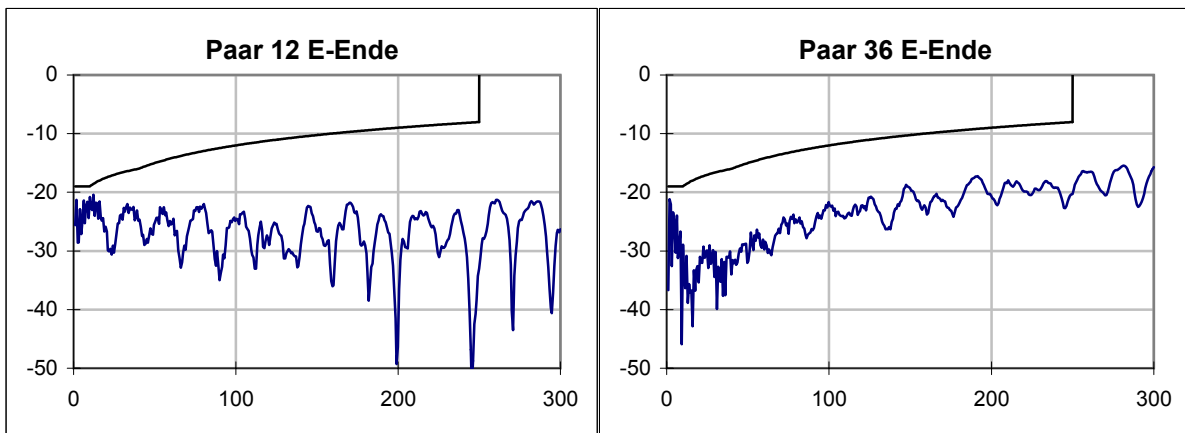
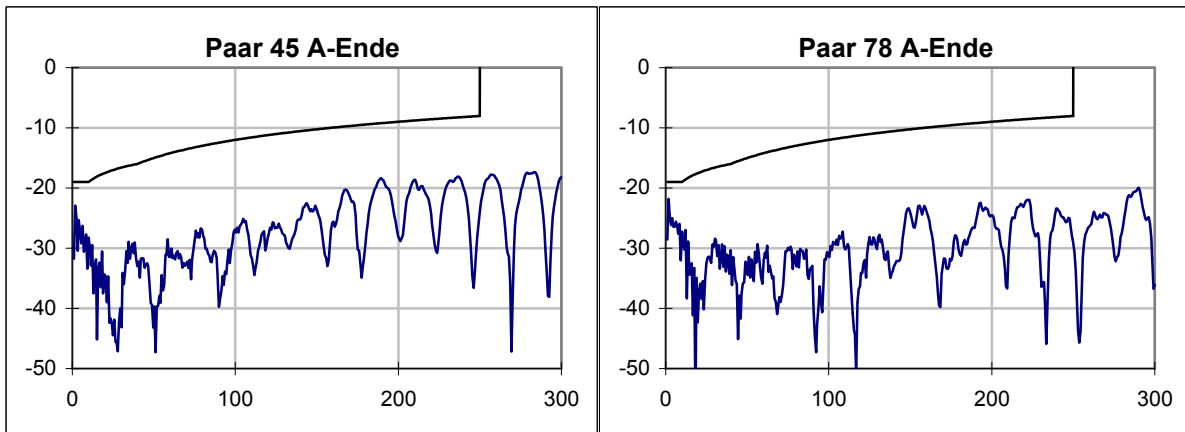
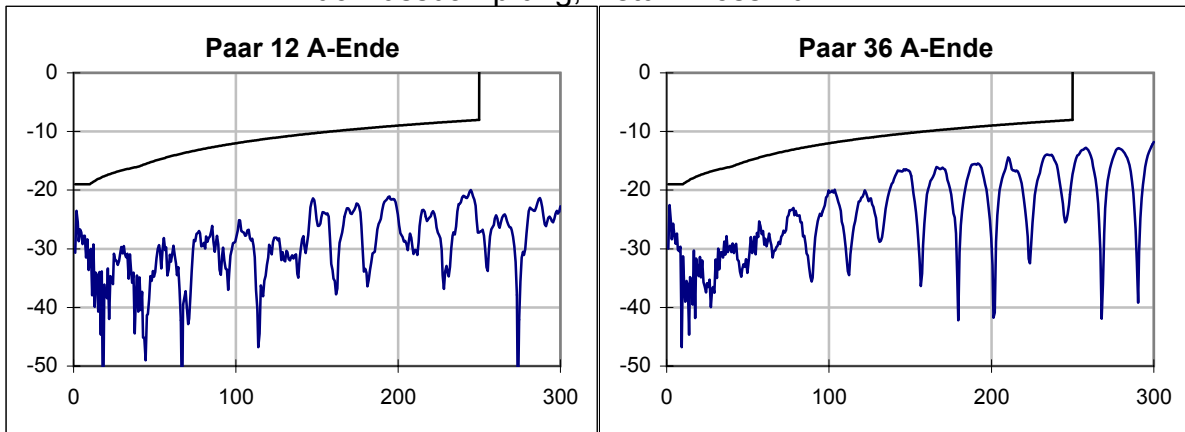




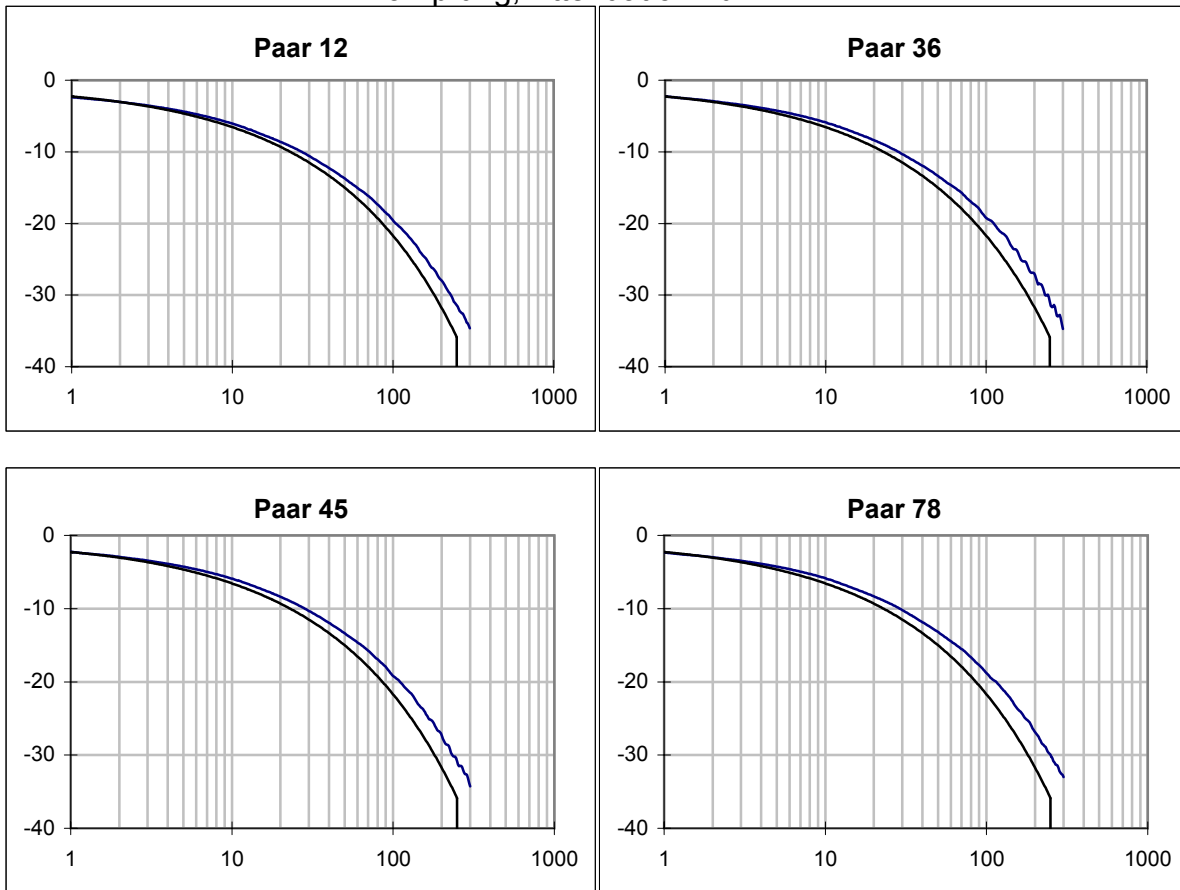
PSACR / dB



Rückflusssdämpfung, Return Loss / dB



Dämpfung, Attenuation / dB



Laufzeit, Delay / ns

