

Channel-Messung

# Draka Multimedia Cable

Aufbau:

Patch-Kabel A-Ende: **5 m Shielded Giga Channel Patch Cord AWG28 (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 AWG28 (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

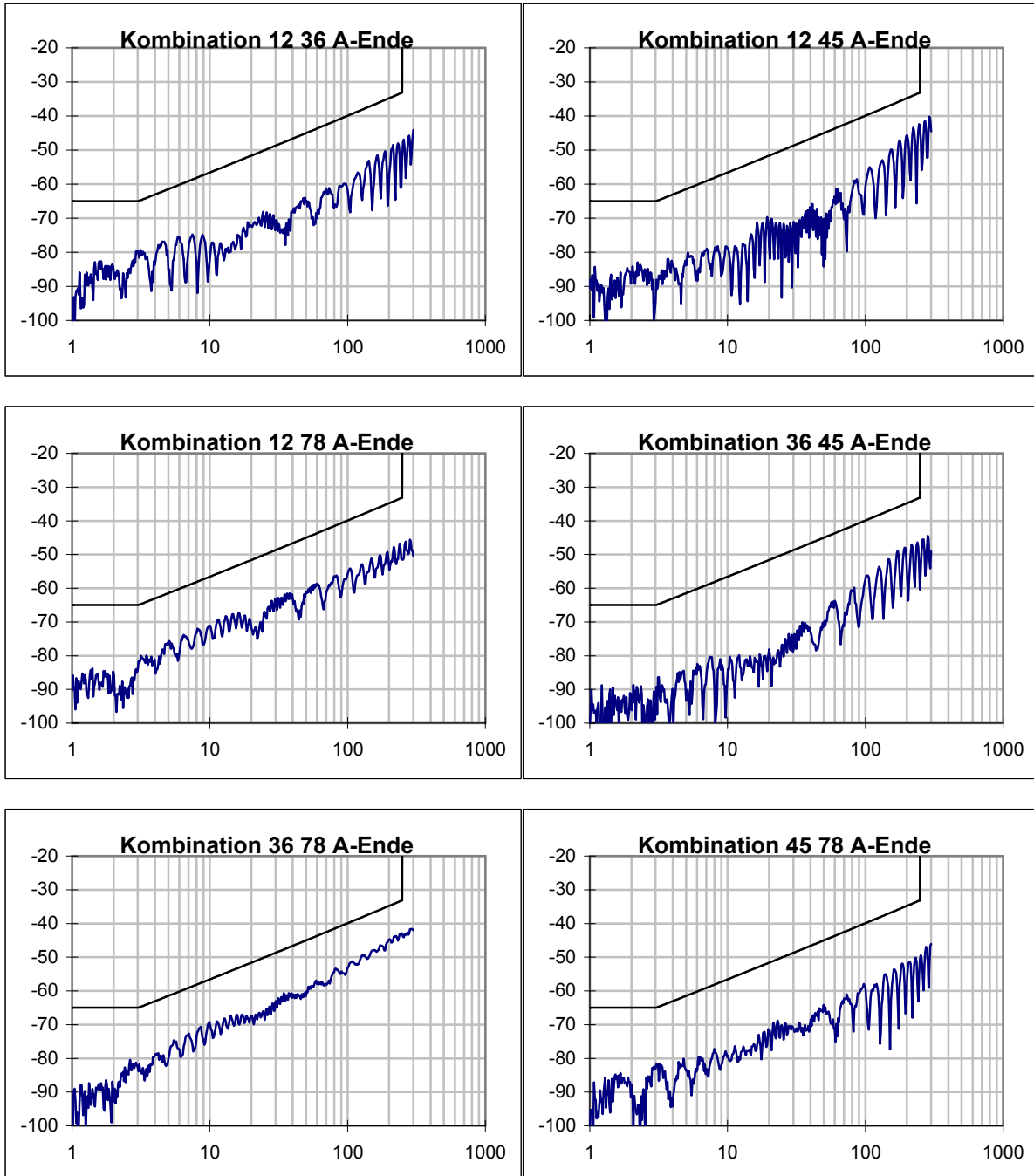
Datum: 20.02.2002  
 Prüfer: Dr. C. Pfeiler  
 Prüflabor: Draka Multimedia Cable  
 Wohlaue Str. 15  
 90475 Nürnberg

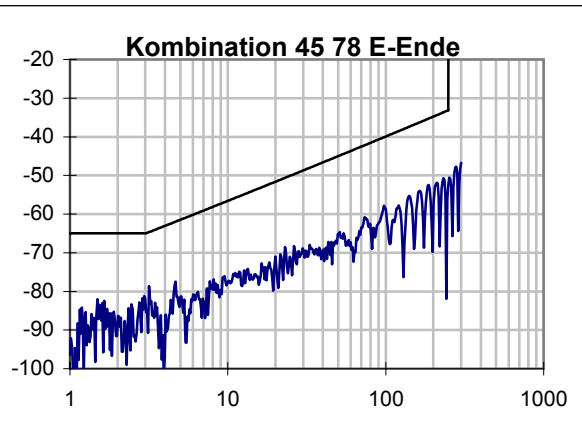
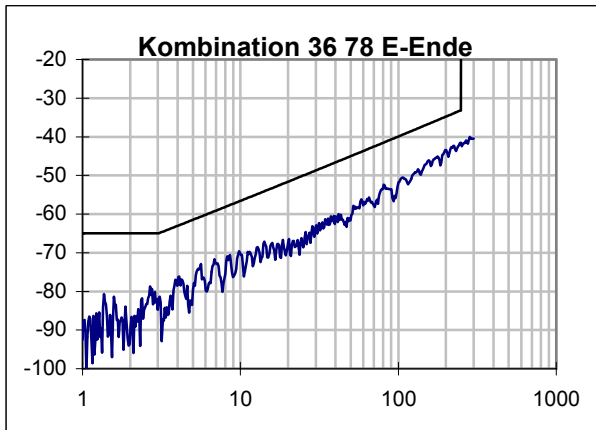
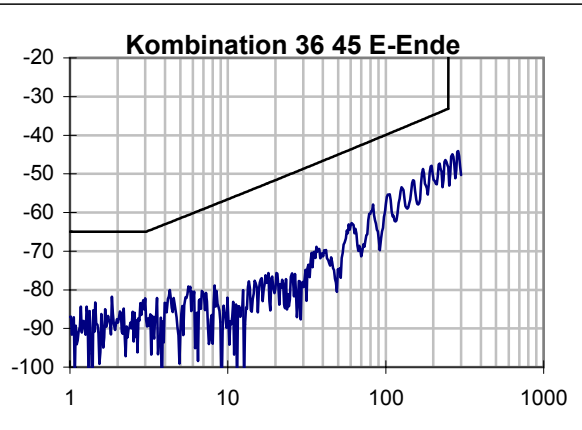
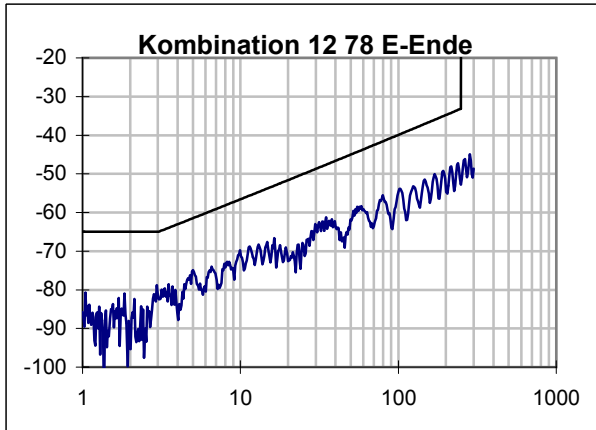
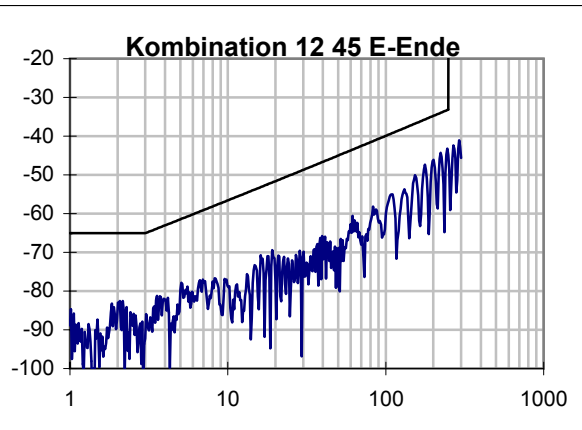
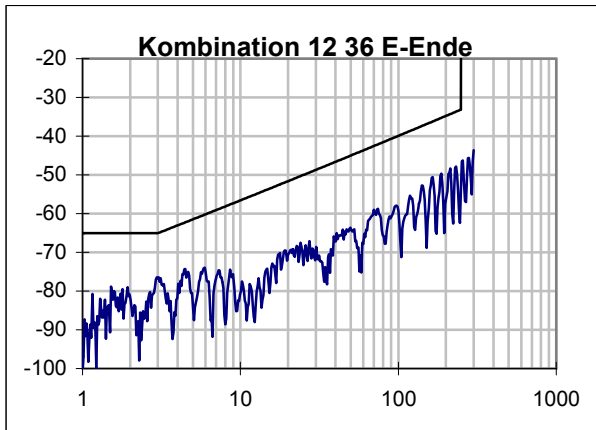
gepr.

Übersicht Ergebnis:

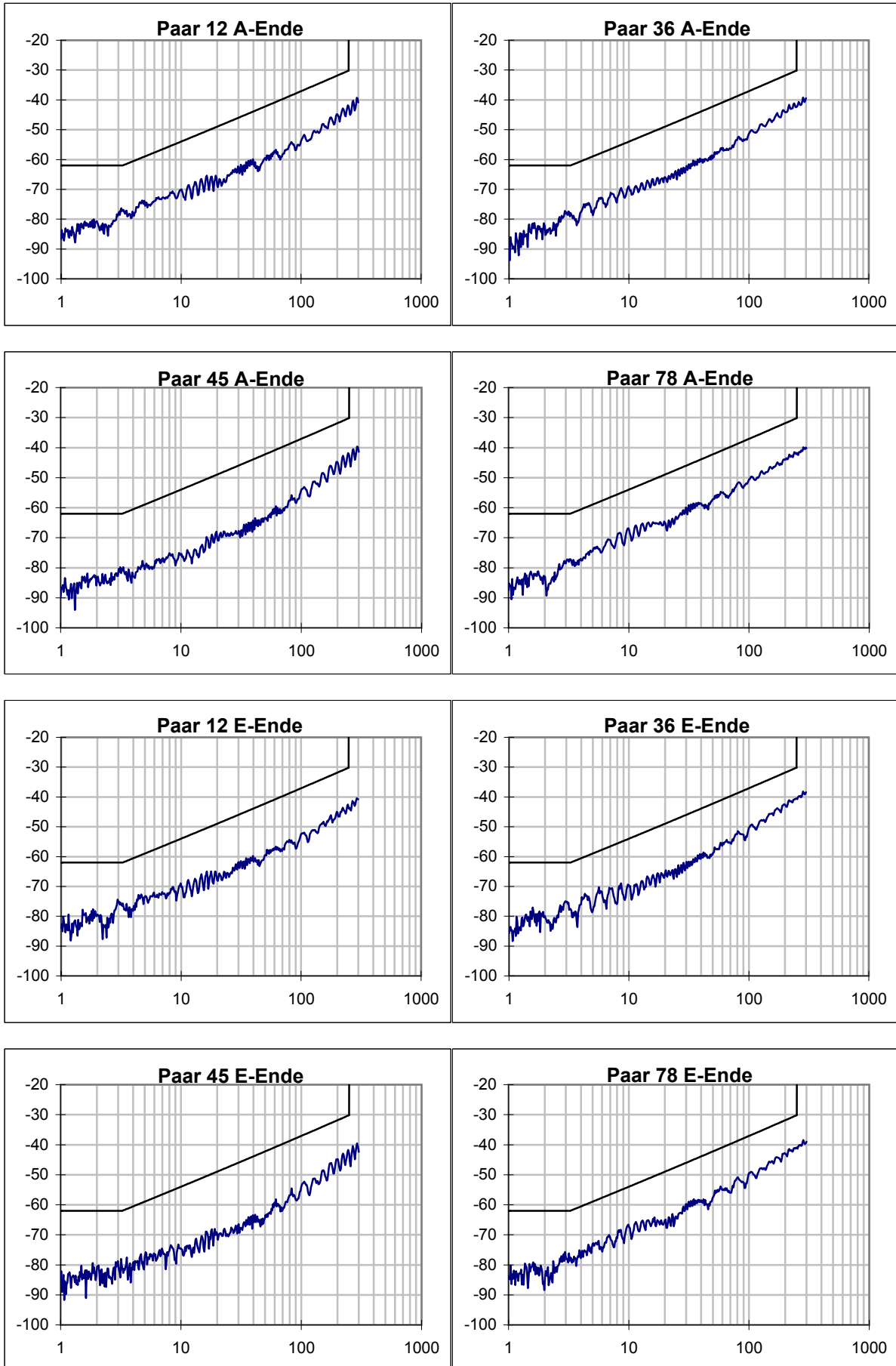
Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	398,6	403,1	397,6	400,2		8,1	50
Dämpfung @ 100MHz/dB	18,87	19,06	18,77	18,57	21,7		
Dämpfung @ 250MHz/dB	31,23	31,09	31,27	30,09	35,9		
min PSNEXT-Res. / dB	11,55	9,83	11,42	10,13			
@ f / MHz	245,71	216,12	245,71	216,12			
PSNEXT Gr. / dB	30,29	31,26	30,29	31,26			
PSNEXT @ 100 MHz	53,29	51,18	55,43	50,31	37,1		
PSNEXT @ 250 MHz	43,82	40,53	42,76	40,92	30,2		
min PSELFEXT-Res. / dB	11,42	11,71	14,73	18,67			
@ f / MHz	219,22	219,22	1,22	1,03			
PSELFEXT Gr. / dB	13,44	13,44	58,52	60,01			
PSELFEXT @ 100 MHz	38,68	52,17	38,81	46,82	20,3		
PSELFEXT @ 250 MHz	26,78	27,24	31,54	32,05	12,3		
min PSACR-Reserve / dB	12,6	12,5	16,1	13,1			
@ f / MHz	3,0	5,6	222,4	9,9			
PSACR Grenz. / dB	58,4	53,2	-2,6	47,5			
PSACR @ 100 MHz	34,42	32,16	36,54	31,35	15,4		
PSACR @ 250 MHz	12,59	9,43	11,57	9,81	-5,8		
min RL-Reserve / dB	9,4	6,1	7,6	9,0			
@ f / MHz	173,7	143,8	249,2	155,0			
RL Grenzwert / dB	9,6	10,4	8,0	10,1			
<b>Kombination</b>	<b>12 36</b>	<b>12 45</b>	<b>12 78</b>	<b>36 45</b>	<b>36 78</b>	<b>45 78</b>	<b>Grenzwert</b>
min NEXT-Reserve / dB	11,47	9,17	13,13	12,78	8,34	14,00	
@ f / MHz	2,96	245,71	11,45	216,12	245,71	3,17	
NEXT Grenzw. /dB	65,00	33,24	55,61	34,20	33,24	64,66	
NEXT @ 100 MHz	58,15	64,05	55,59	59,96	52,94	58,35	39,9
NEXT @ 250 MHz	54,15	44,89	52,79	48,31	41,56	52,43	33,1
min ELFEXT-Res. / dB	9,7	14,1	18,8	14,7	17,3	23,1	
@ f / MHz	219,2	104,4	1,0	1,2	1,0	1,5	
ELFEXT Grw. /dB	16,44	22,88	63,13	61,40	63,01	59,54	
ELFEXT @ 100 MHz	54,88	39,20	49,21	55,78	67,45	50,64	23,3
ELFEXT @ 250 MHz	28,56	32,78	37,44	39,49	34,18	42,06	15,3
min ACR-Reserve/ dB	11,7	13,9	13,7	16,8	12,7	14,3	
@ f / MHz	3,0	245,7	9,9	172,0	5,6	3,2	
ACR Grenzw. /dB	61,4	-2,3	50,1	6,7	55,7	60,9	
ACR @ 100 MHz	39,28	45,18	36,72	40,90	33,88	39,58	18,2
ACR @ 250 MHz	22,92	13,66	21,56	17,22	10,46	21,16	-2,8

# NEXT / dB

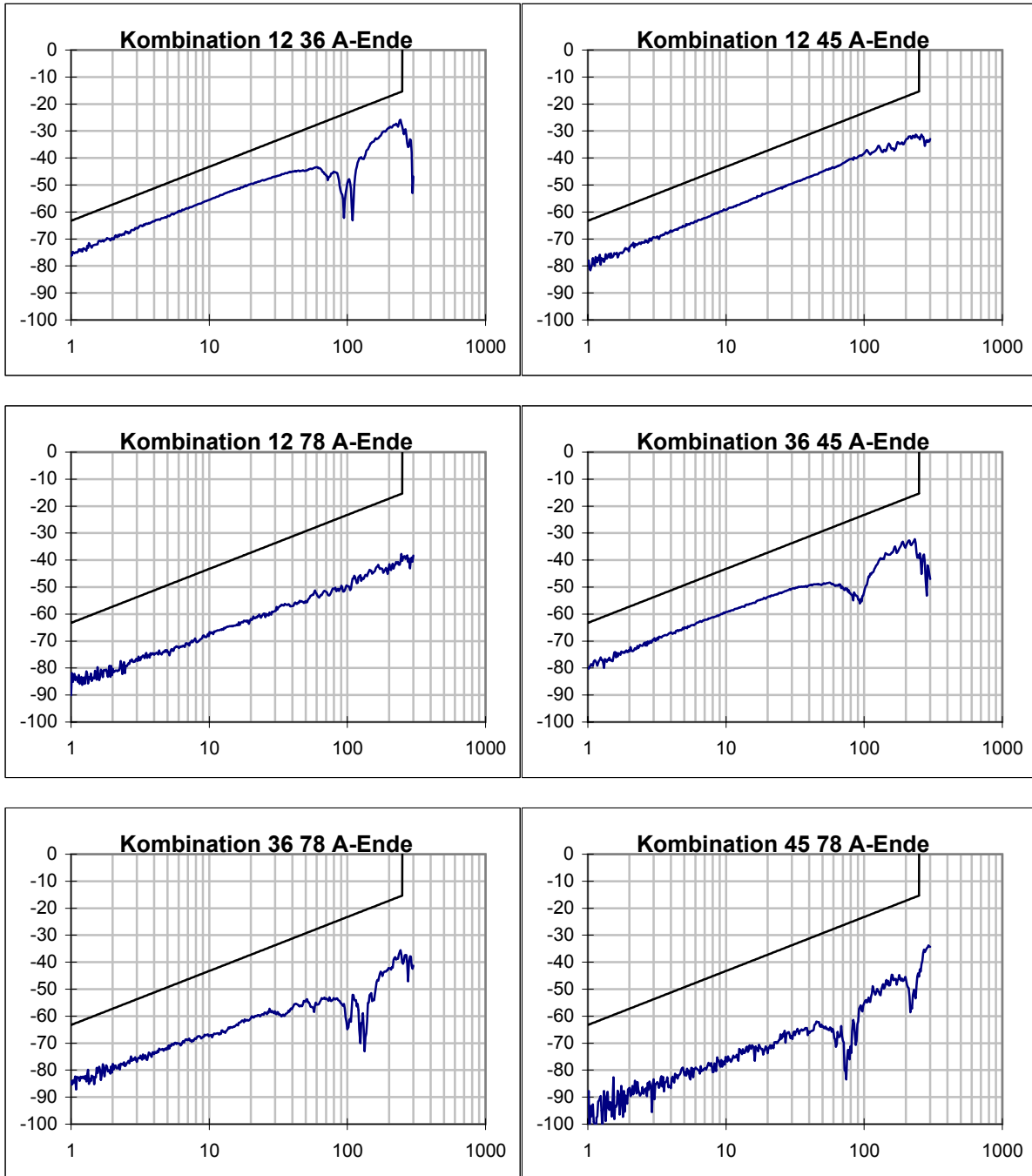


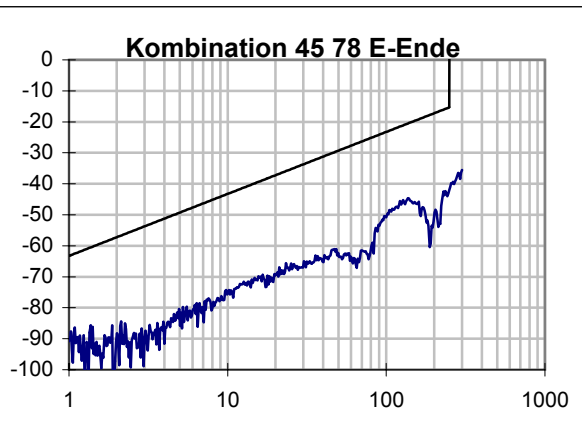
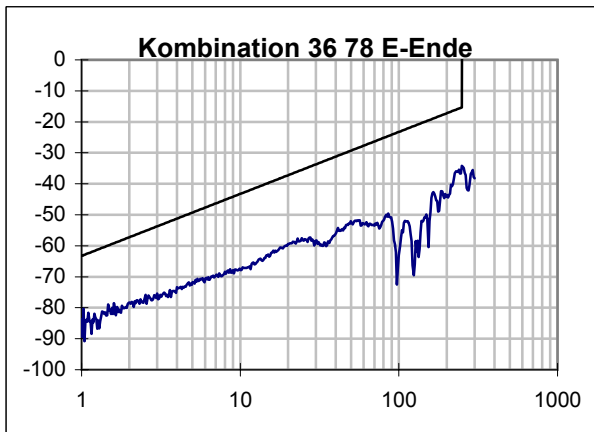
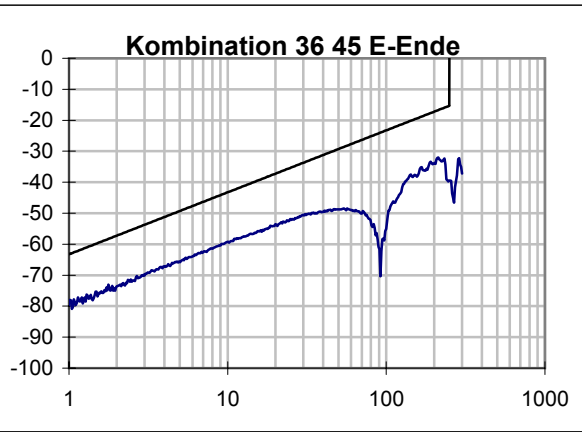
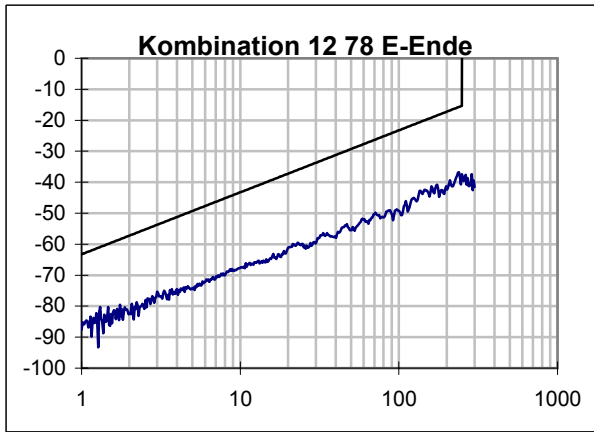
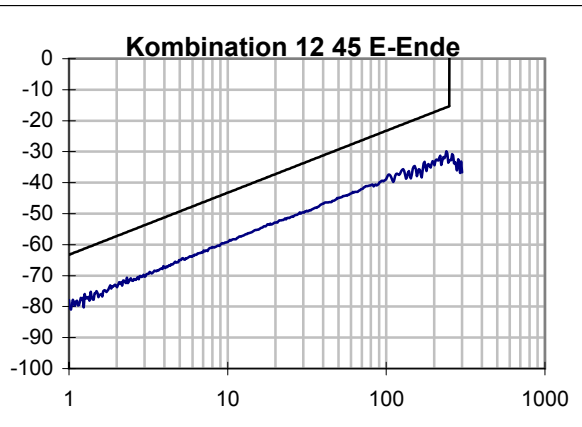
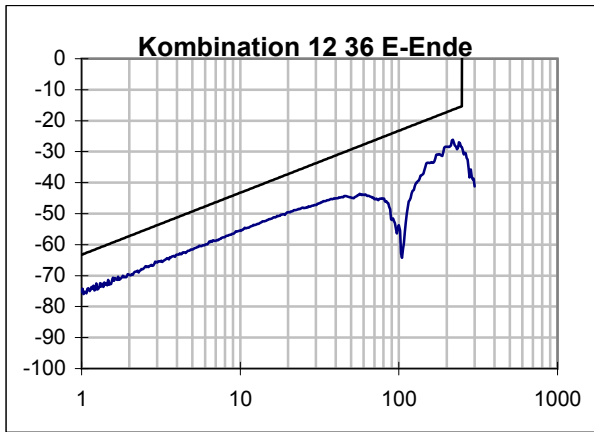


# PSNEXT / dB

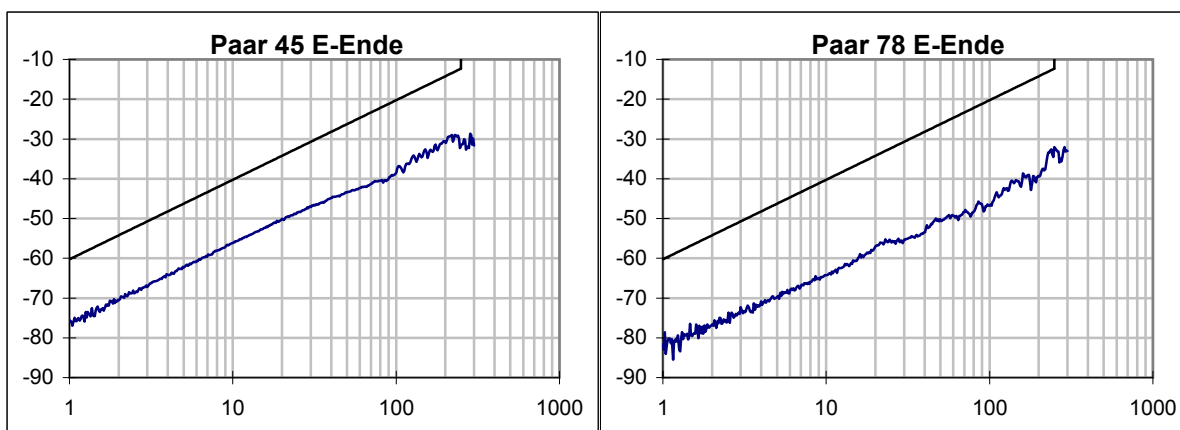
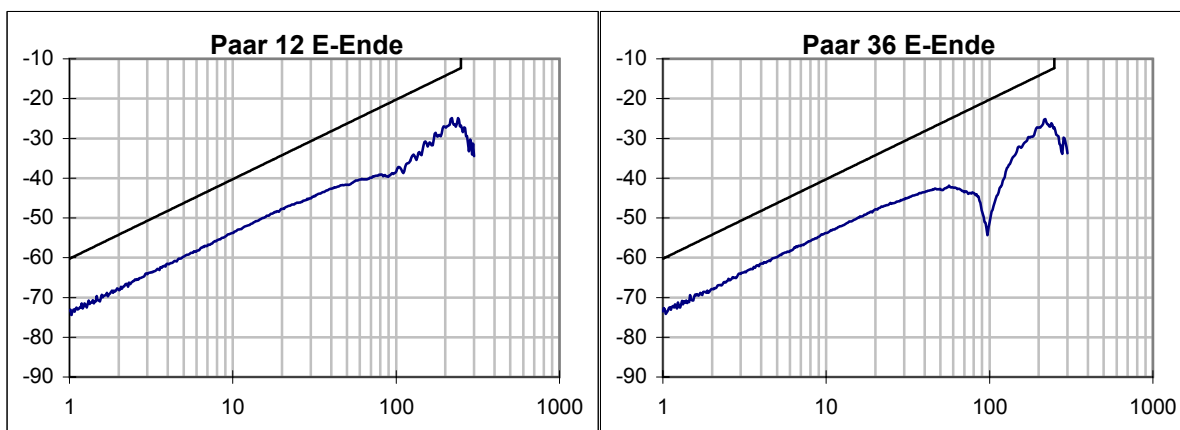
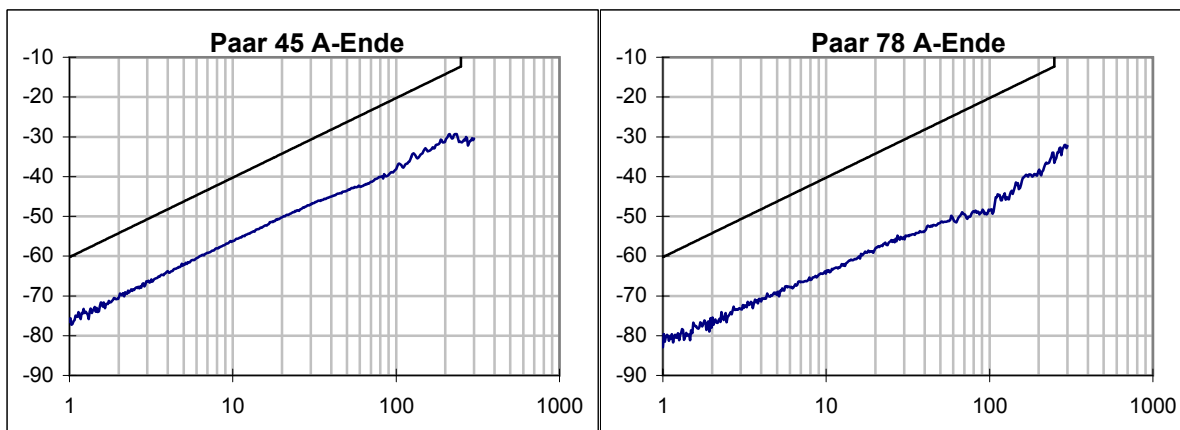
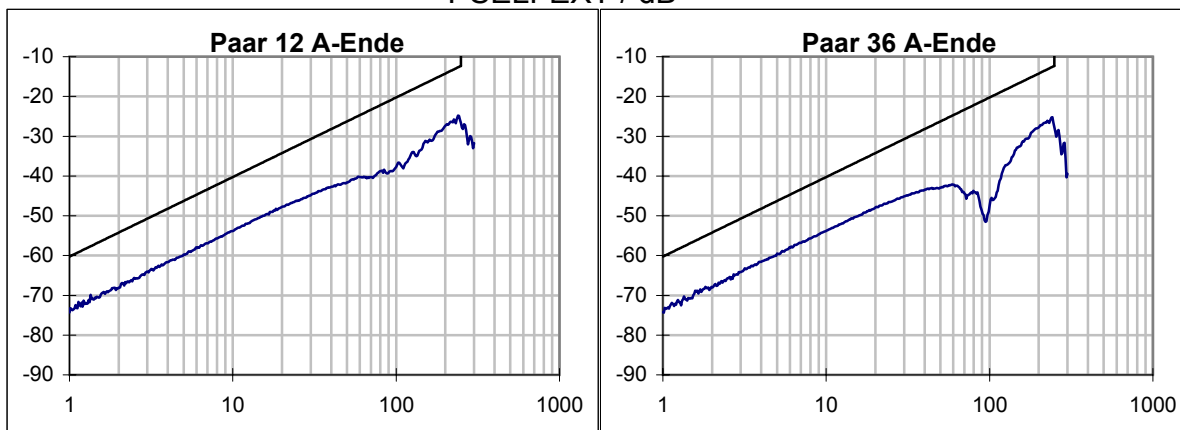


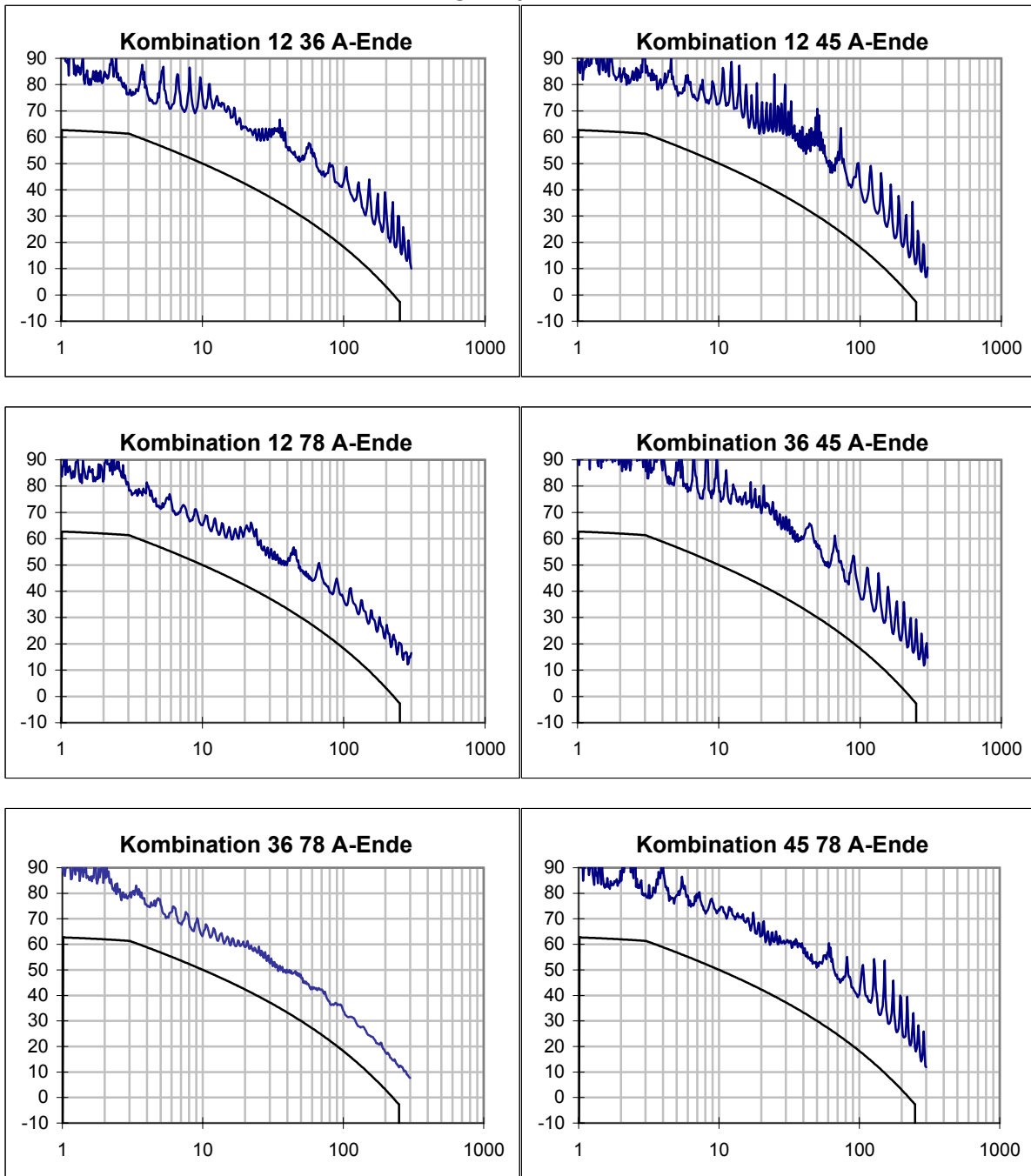
# ELFEXT / dB



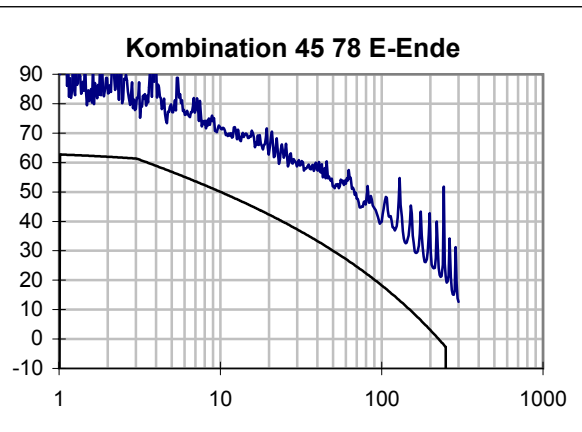
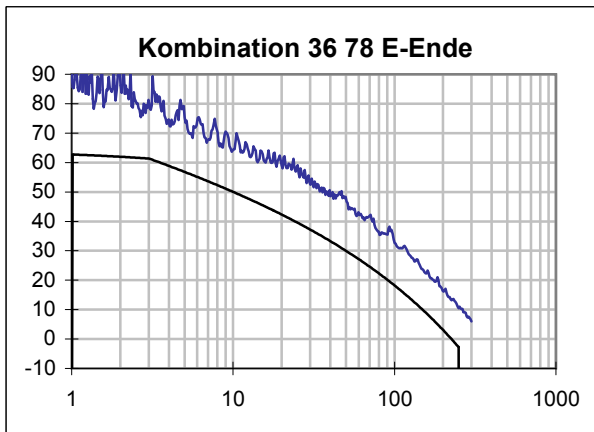
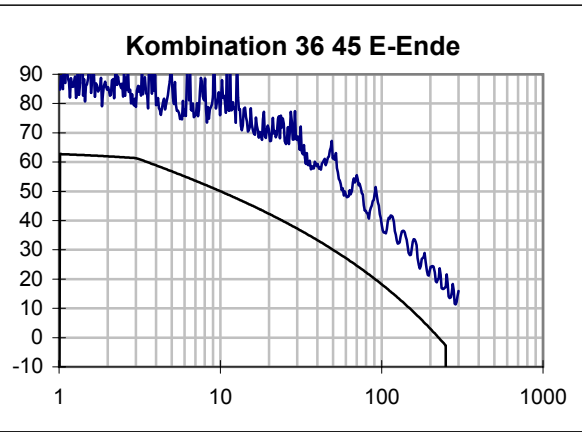
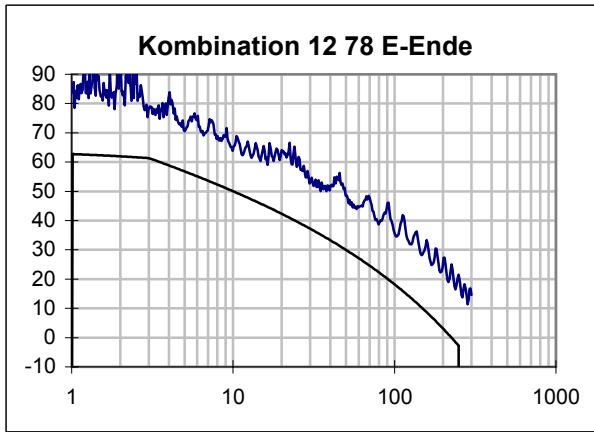
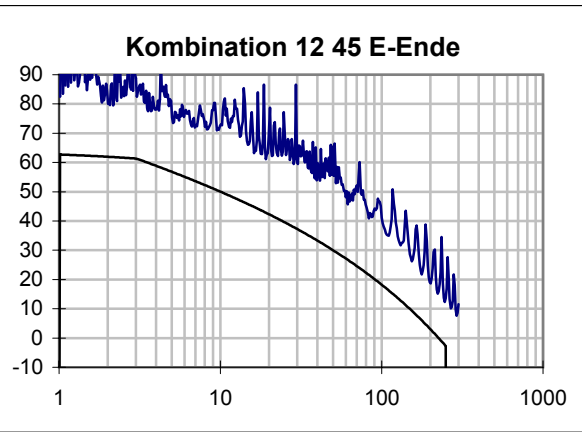
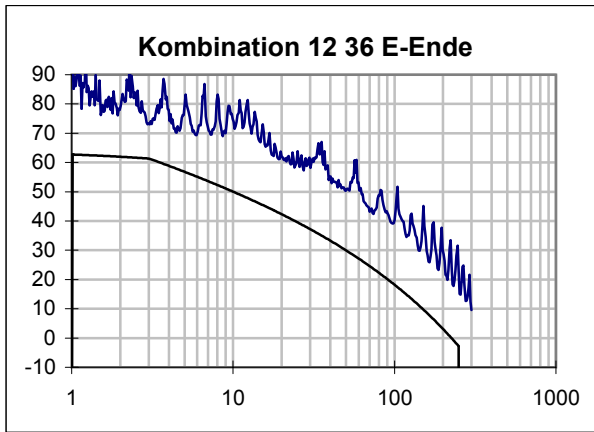


# PSELFEXT / dB

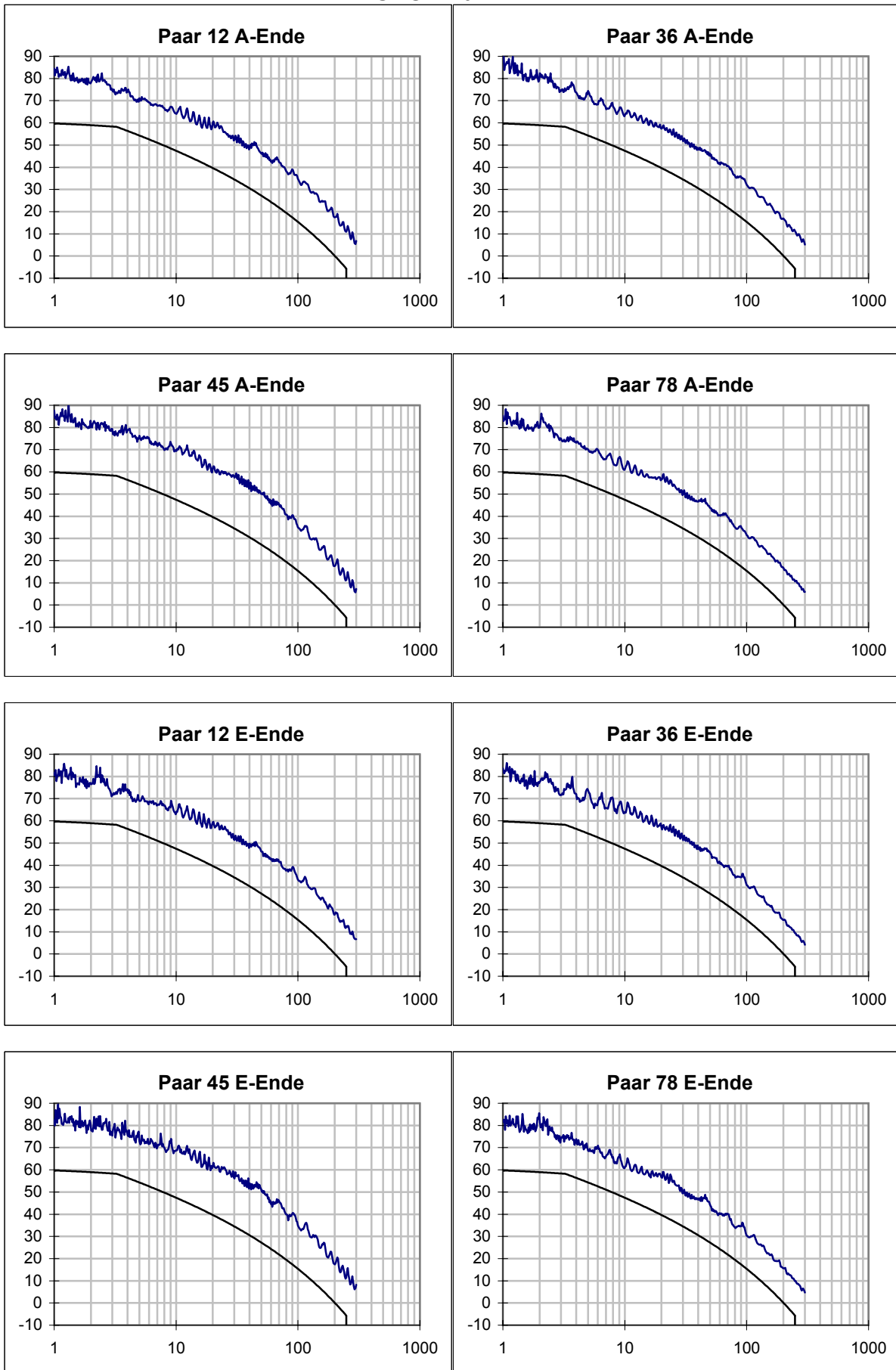




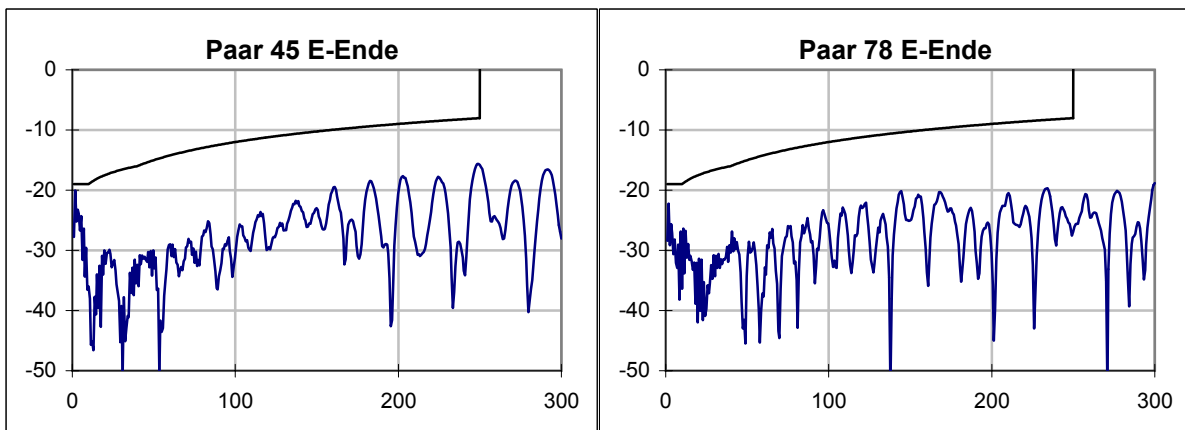
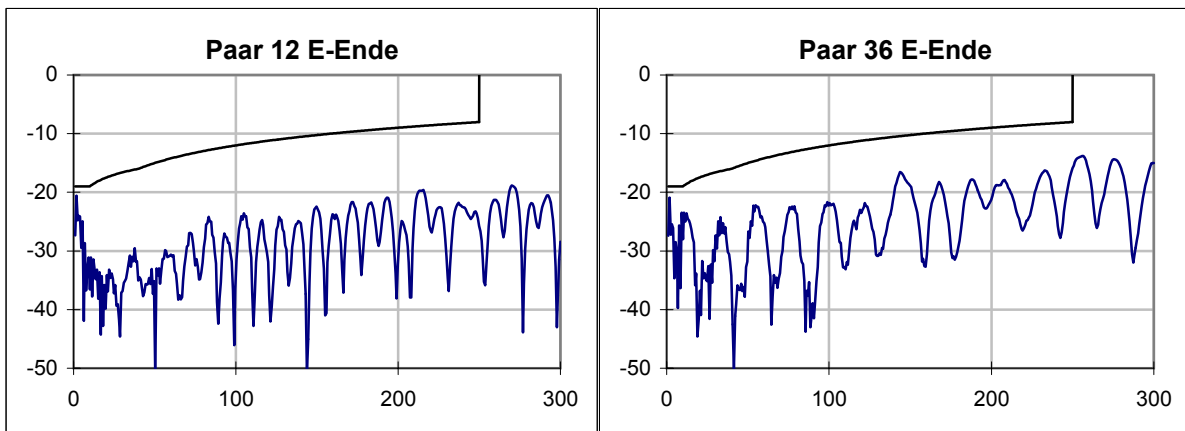
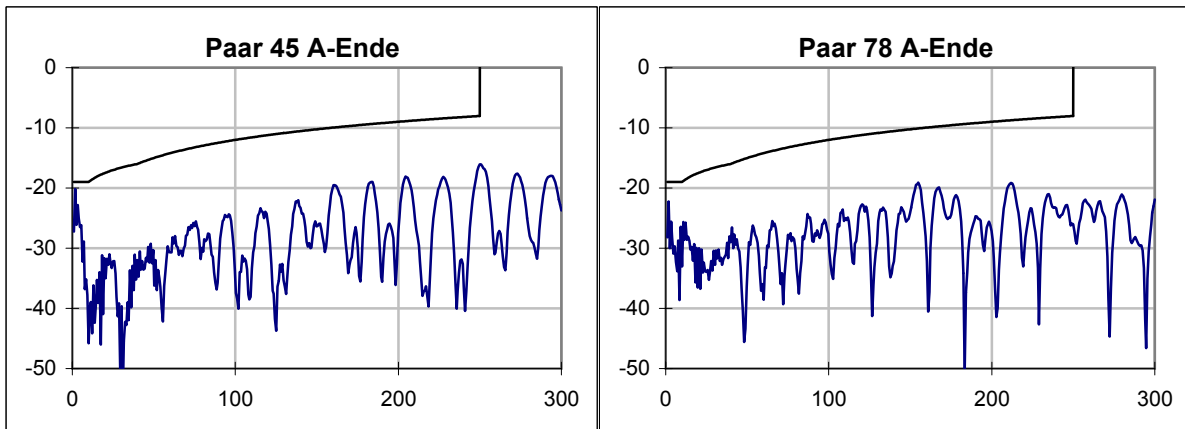
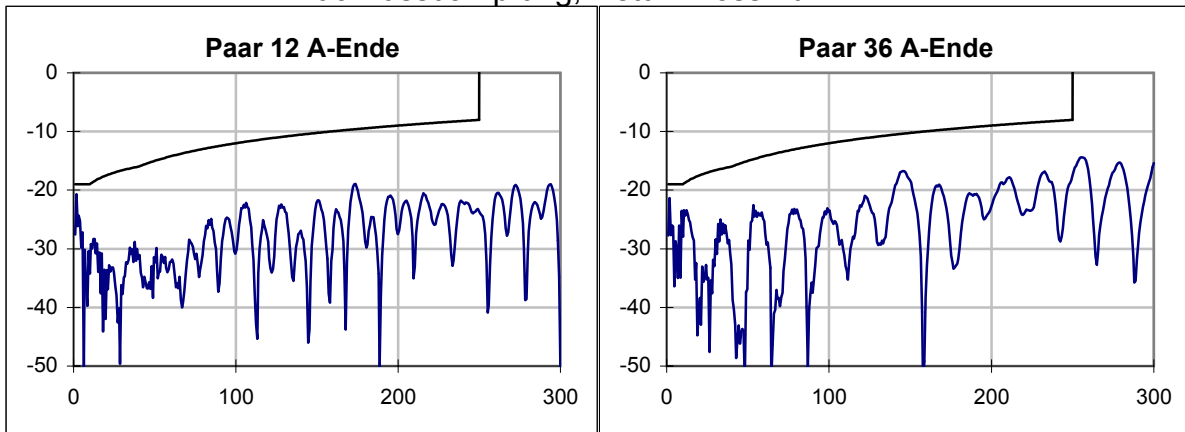




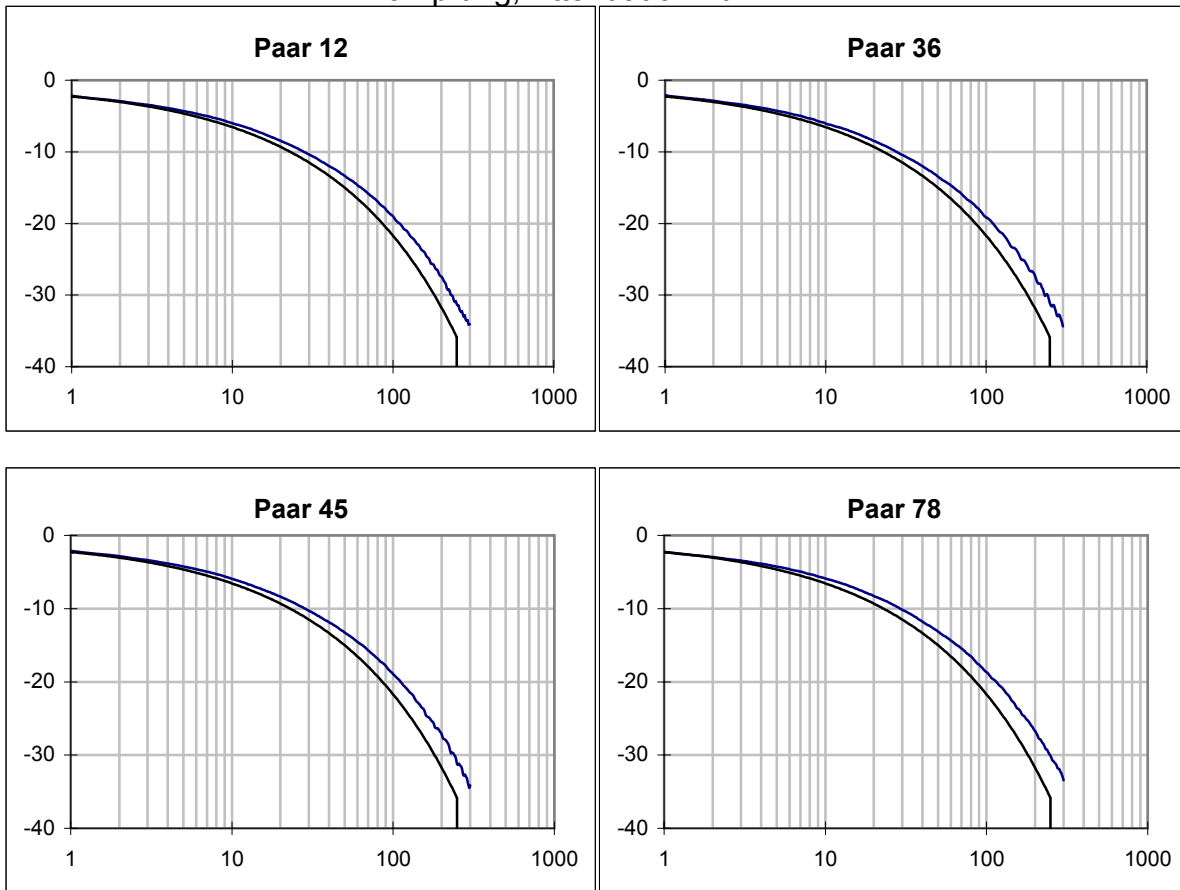
# PSACR / dB



# Rückflusdämpfung, Return Loss / dB



## Dämpfung, Attenuation / dB



## Laufzeit, Delay / ns

