



# Draka Multimedia Cable

**Channel-Messung**

**Aufbau:**

Patch-Kabel A-Ende: **5 m UC600 SS27 4P (Stewart HighSpeed-Stecker)**  
 Komponente A-Ende **Telegärtner MPP 16/24 Cat.6 Patch Panel**  
 Tertiärkabel: **90 m UC600 S23/1 4P**  
 Komponente E-Ende **Telegärtner VAD/B Cat.6 Doppeldose**  
 Patch-Kabel E-Ende: **5 m UC600 SS27 4P (Stewart HighSpeed-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 N655.  
 Das ACR wird bis 300 MHz nicht negativ!*

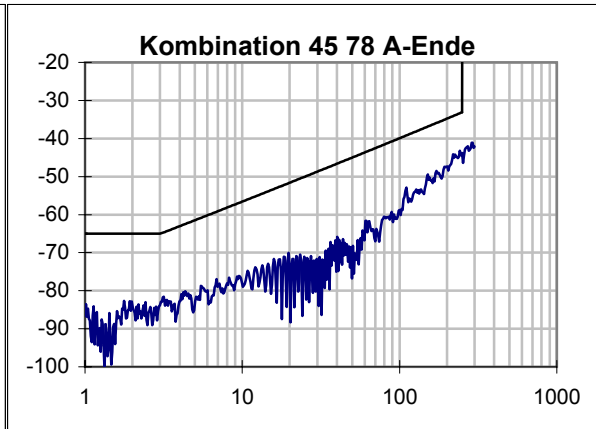
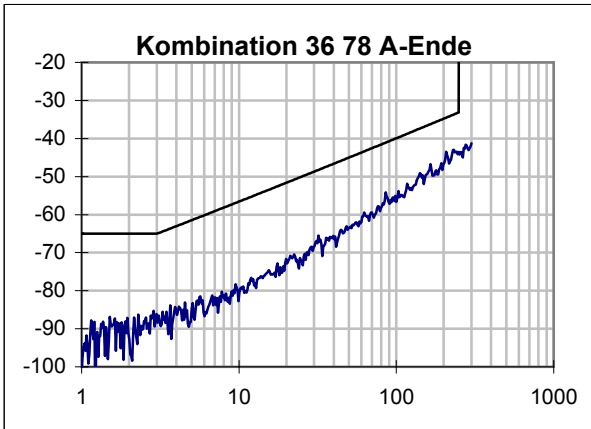
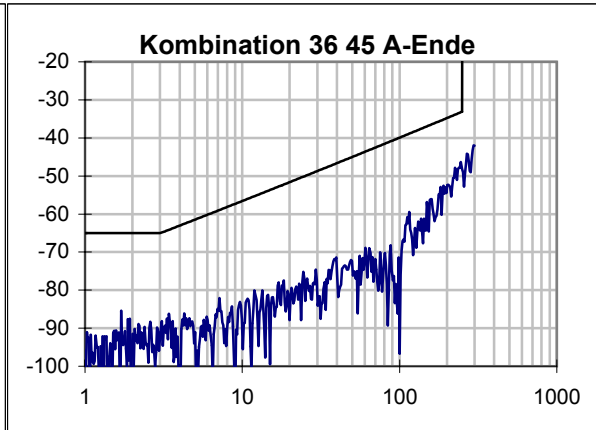
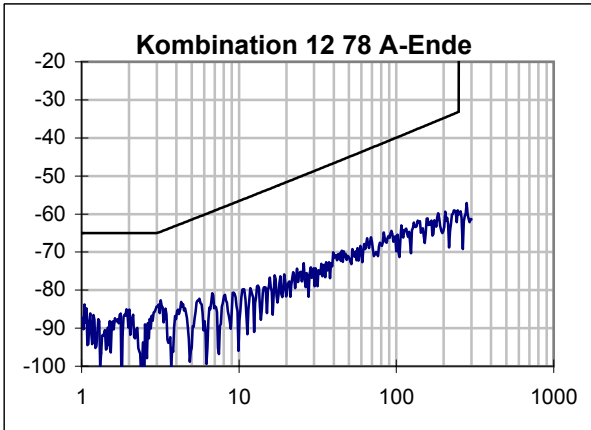
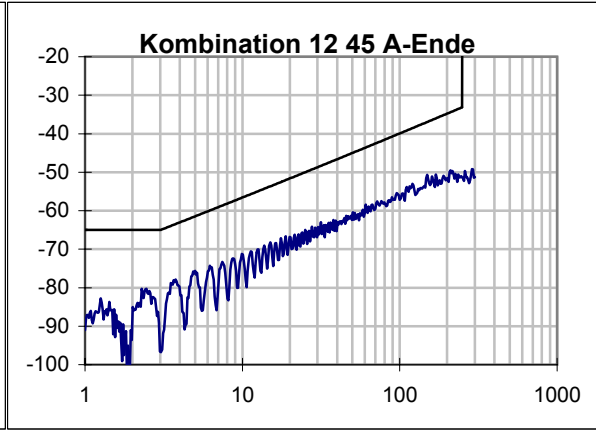
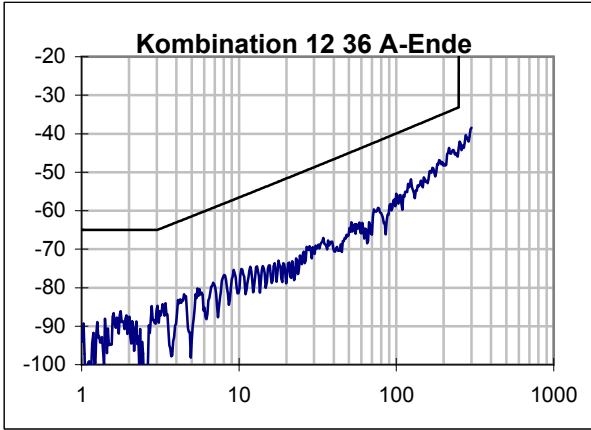
Ankerfrequenzen / MHz: 100 Datum: 27.04.2001  
 250 Prüfer: Dr. C. Pfeiler  
 Prüflabor: Draka Multimedia Cable  
 Wohlaue Str. 15  
 90475 Nürnberg

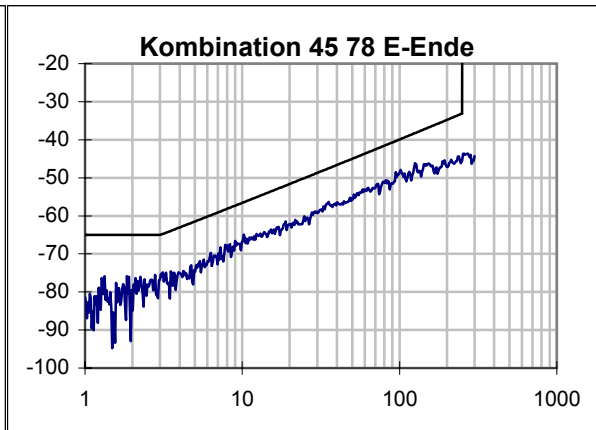
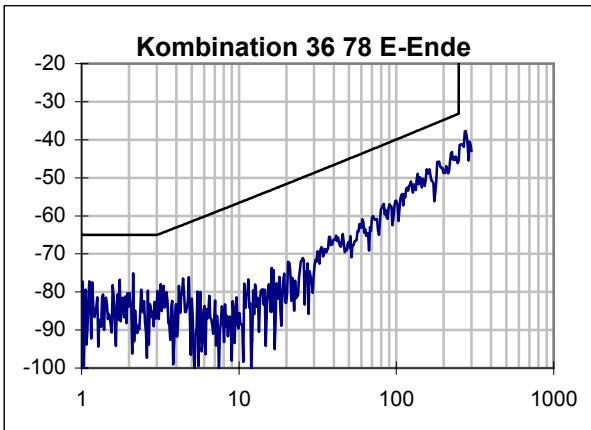
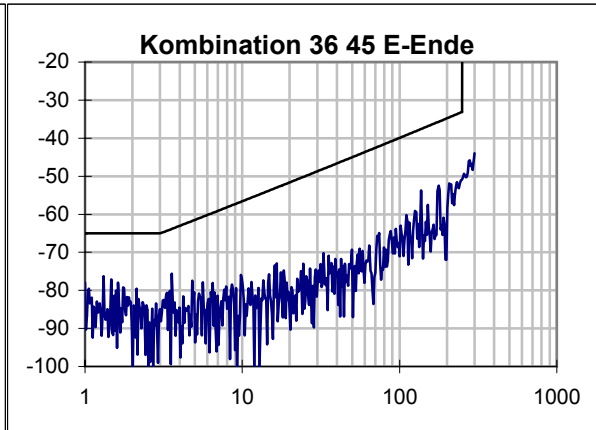
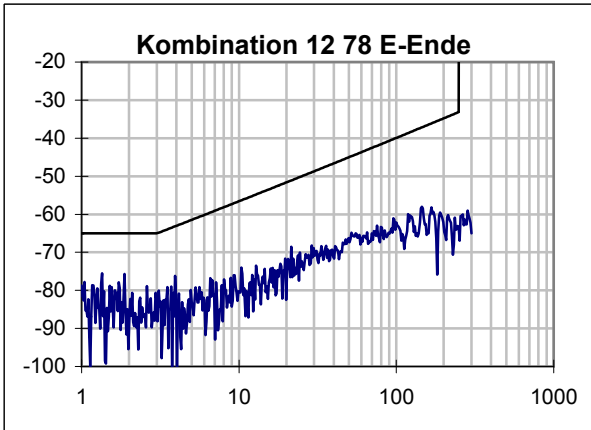
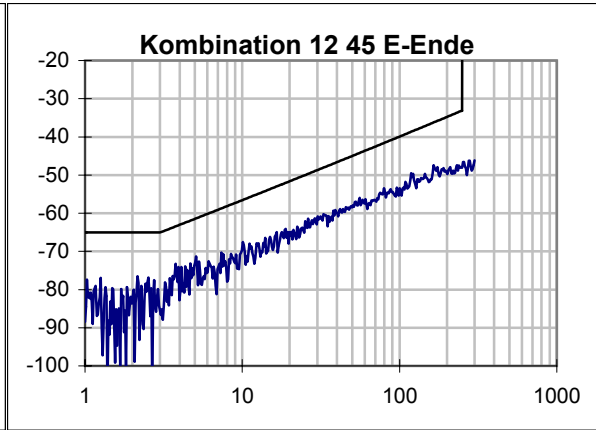
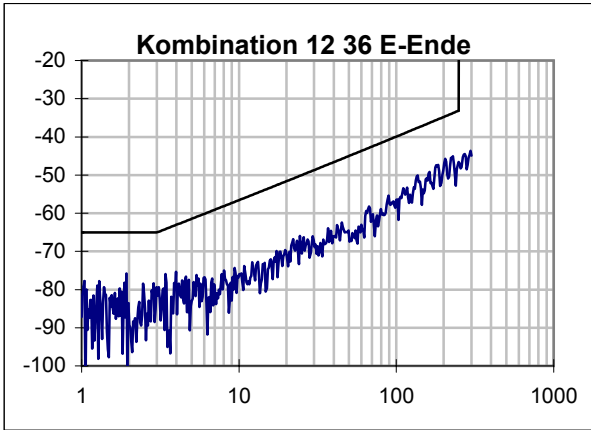
gepr.

**Übersicht Ergebnis:**

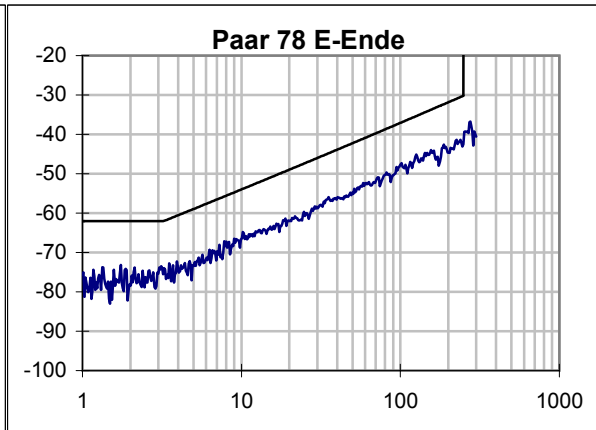
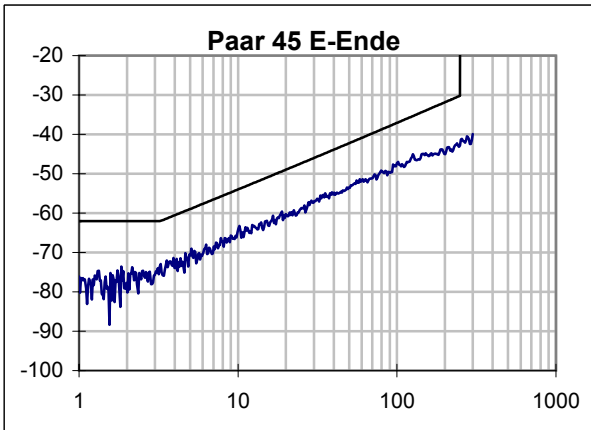
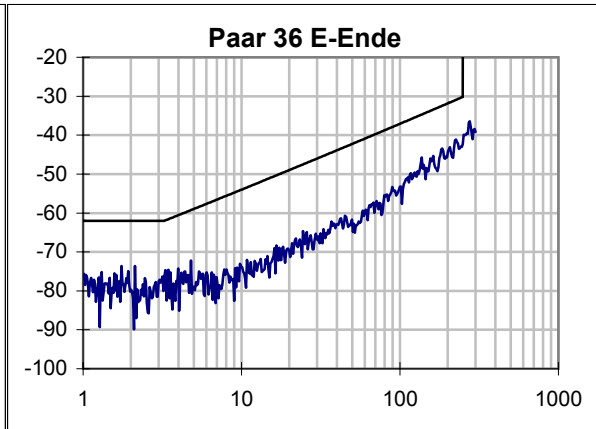
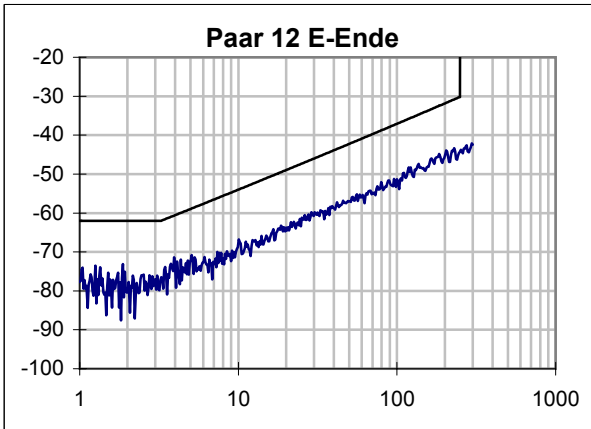
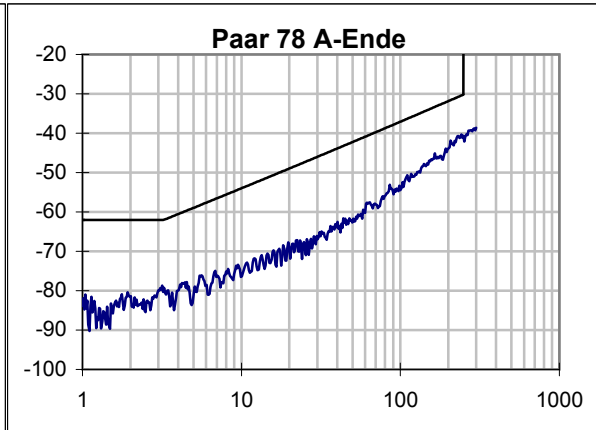
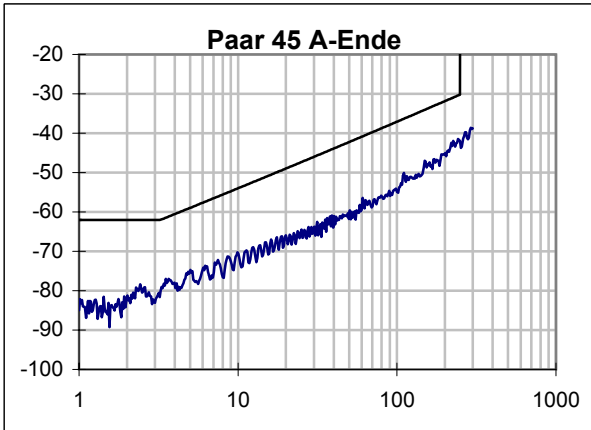
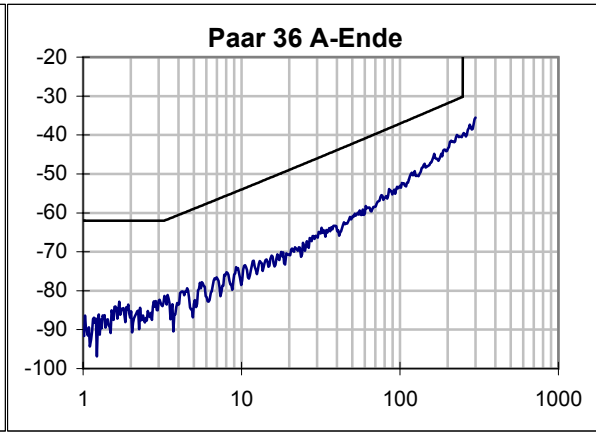
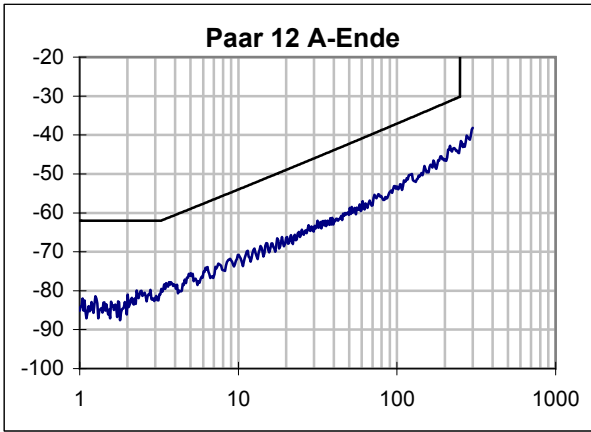
Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	449,7	453,1	446,4	446,3		10,8	50
Dämpfung @ 100MHz/dB	19,41	19,37	19,50	19,25	21,7		
Dämpfung @ 250MHz/dB	31,83	31,63	31,89	31,44	35,9		
min PSNEXT-Res. / dB	10,72	9,16	9,41	9,76			
@ f / MHz	3,93	9,16	10,22	125,71			
PSNEXT Gr. / dB	60,67	54,62	53,84	35,36			
PSNEXT @ 100 MHz	53,29	53,95	48,15	48,22	37,1		
PSNEXT @ 250 MHz	44,23	42,36	42,88	42,49	30,2		
min PSELFEXT-Res. / dB	17,47	13,58	13,22	15,52			
@ f / MHz	1,15	242,23	242,23	1,15			
PSELFEXT Gr. / dB	59,02	12,57	12,57	59,02			
PSELFEXT @ 100 MHz	50,12	36,54	36,33	41,95	20,3		
PSELFEXT @ 250 MHz	37,40	26,78	26,67	38,46	12,3		
min PSACR-Reserve / dB	11,0	11,8	9,9	11,3			
@ f / MHz	3,9	1,7	10,2	1,7			
PSACR Grenz. / dB	56,5	59,1	47,2	59,1			
PSACR @ 100 MHz	33,88	34,57	28,67	28,74	15,4		
PSACR @ 250 MHz	12,40	10,65	11,05	10,73	-5,8		
min RL-Reserve / dB	5,5	4,2	5,4	7,4			
@ f / MHz	2,5	1,7	1,7	10,7			
RL Grenzwert / dB	19,0	19,0	19,0	18,8			
<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	9,53	9,82	10,52	11,30	8,92	7,94	
@ f / MHz	216,12	3,77	1,35	1,31	207,07	125,71	
NEXT Grenzw. /dB	34,20	63,46	65,00	65,00	34,52	38,24	
NEXT @ 100 MHz	58,58	55,36	64,08	67,57	56,09	49,13	39,9
NEXT @ 250 MHz	46,60	48,11	63,40	50,87	45,53	45,55	33,1
min ELFEXT-Res. / dB	18,4	17,6	16,0	11,3	16,1	12,7	
@ f / MHz	1,2	1,2	1,0	242,2	216,1	1,2	
ELFEXT Grw. /dB	62,02	62,02	63,26	15,57	16,56	62,02	
ELFEXT @ 100 MHz	50,74	69,04	59,35	37,18	46,66	43,85	23,3
ELFEXT @ 250 MHz	41,19	40,90	46,11	27,02	44,86	40,68	15,3
min ACR-Reserve/ dB	11,0	10,1	10,6	11,4	10,3	9,0	
@ f / MHz	1,9	3,8	1,3	1,3	2,1	10,2	
ACR Grenzw. /dB	62,0	59,4	62,4	62,5	61,9	49,8	
ACR @ 100 MHz	39,17	35,95	44,67	48,20	36,72	29,63	18,2
ACR @ 250 MHz	14,77	16,28	31,57	19,24	13,90	13,66	-2,8

NEXT / dB

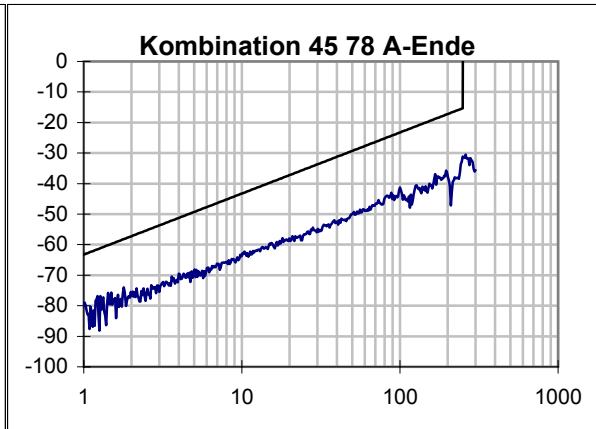
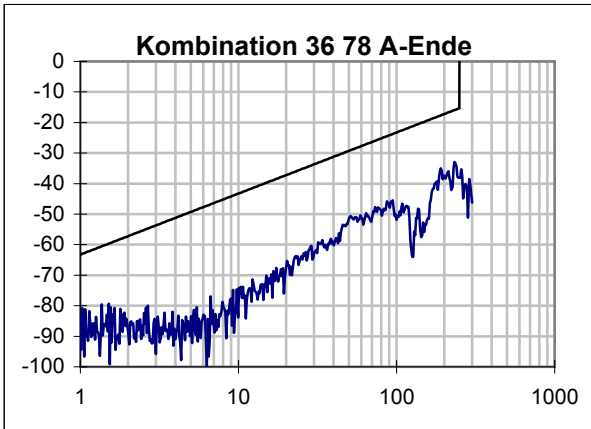
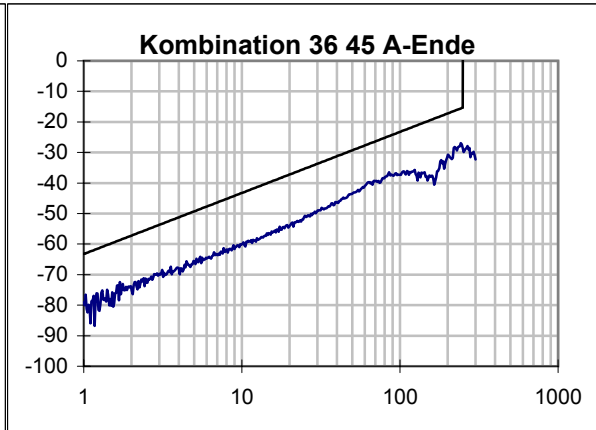
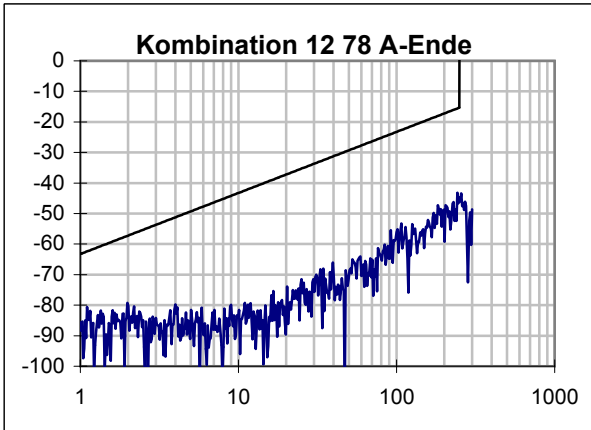
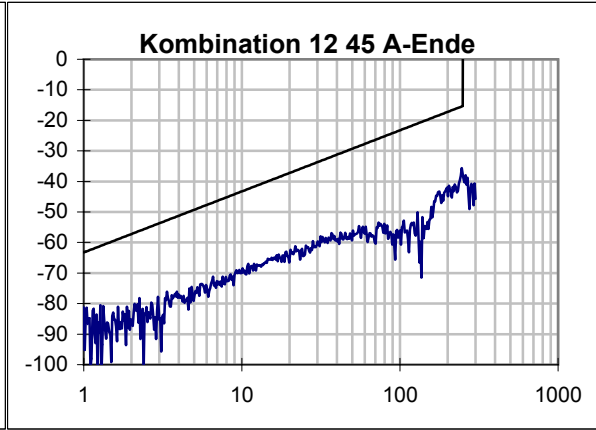
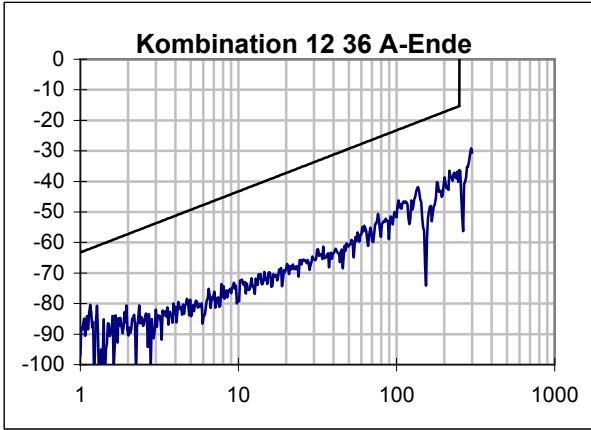


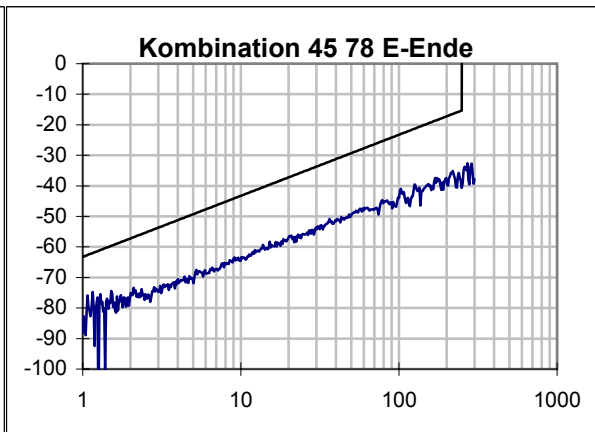
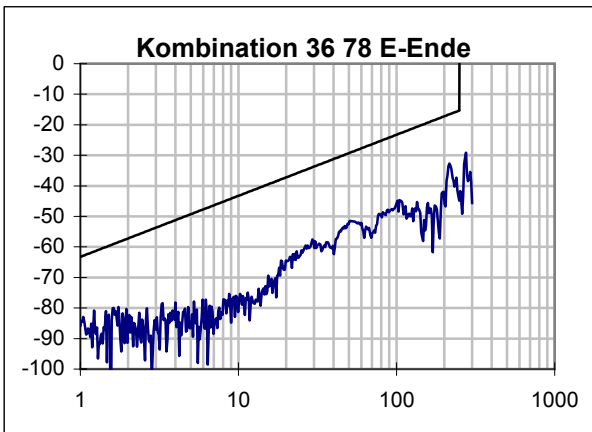
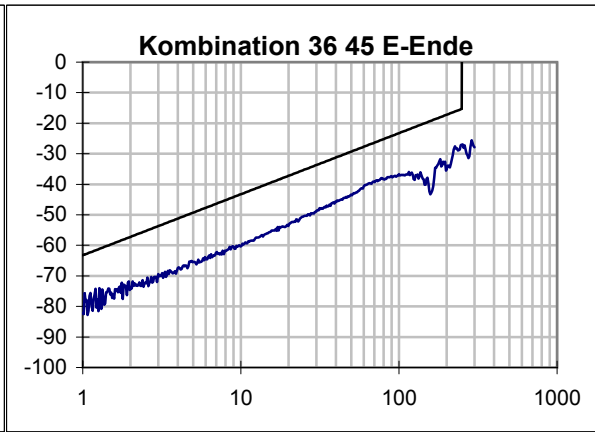
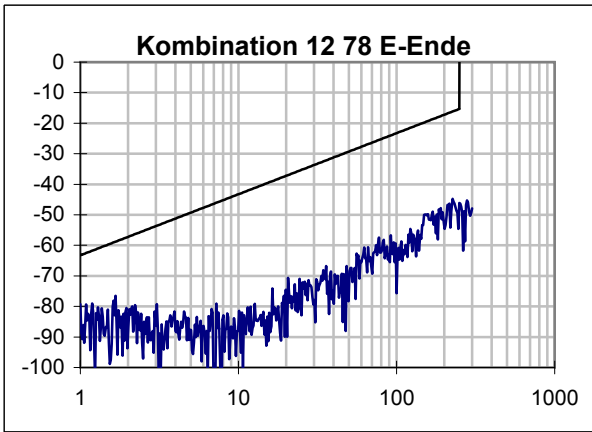
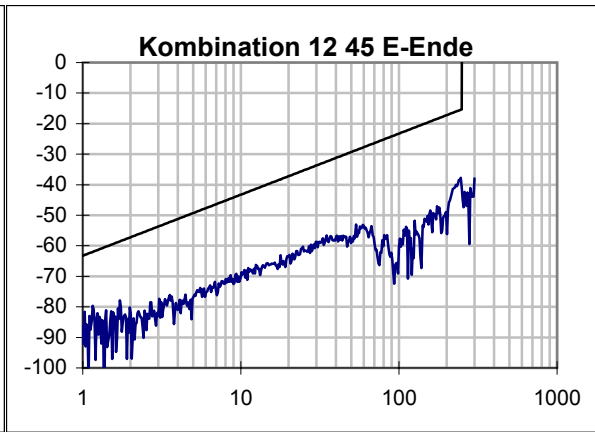
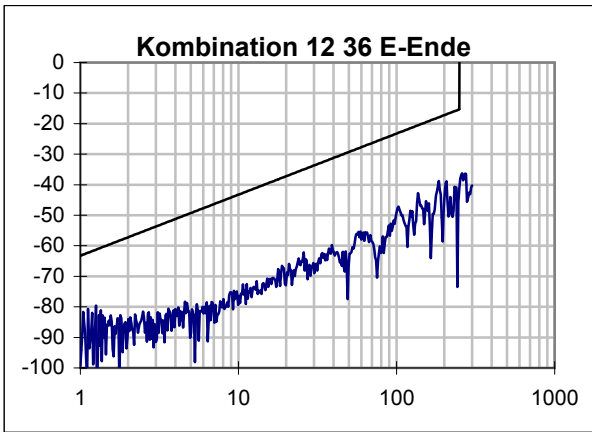


PSNEXT / dB

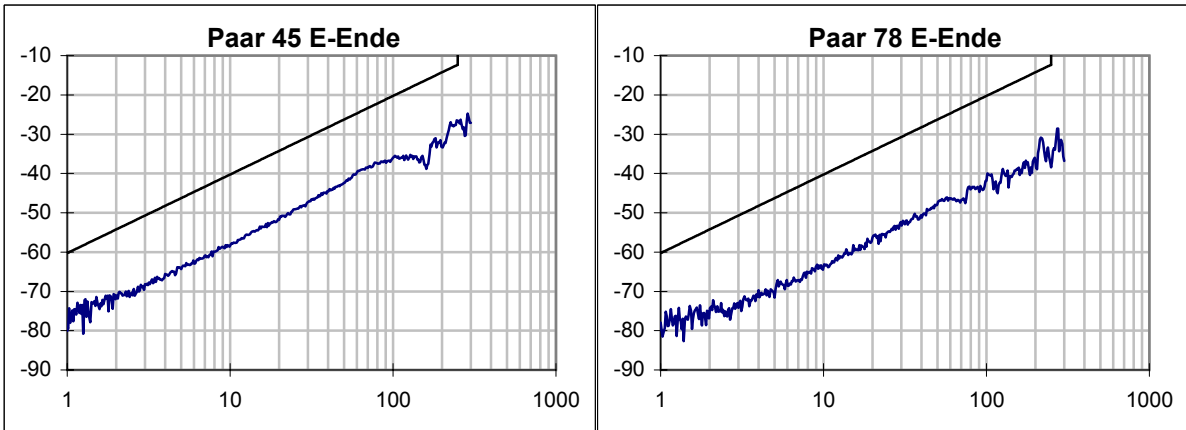
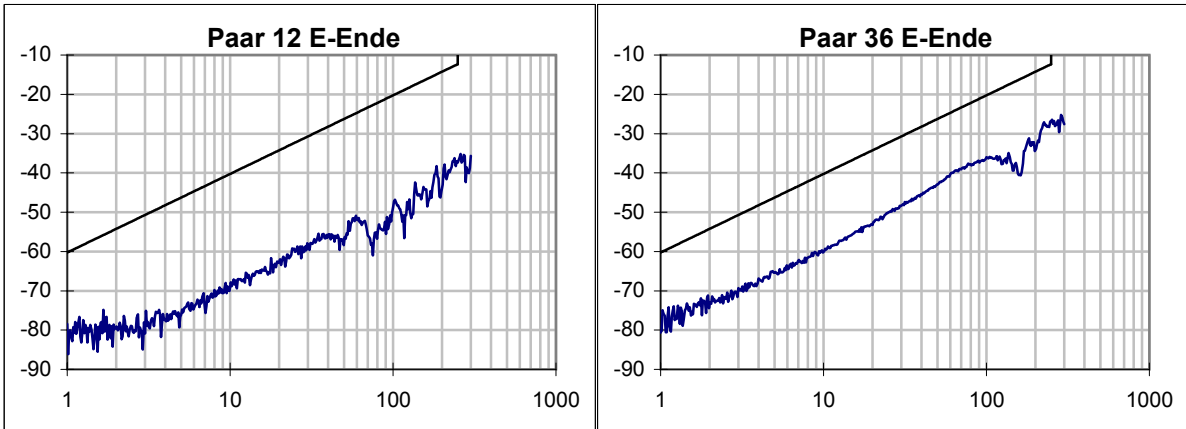
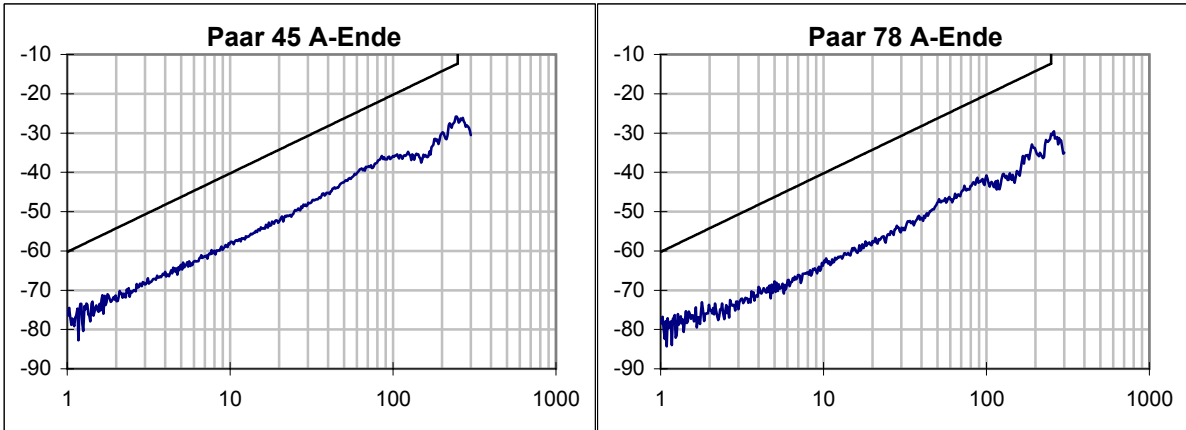
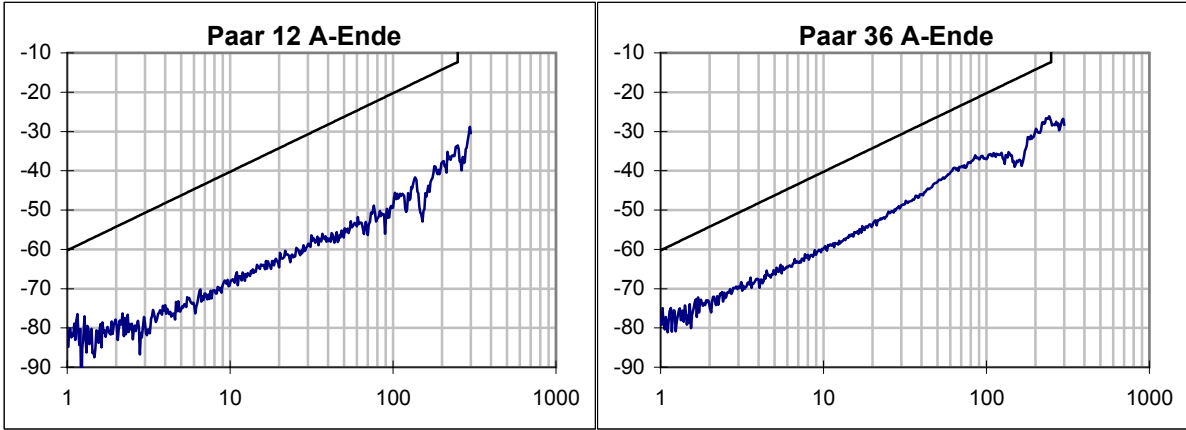


ELFEXT / dB

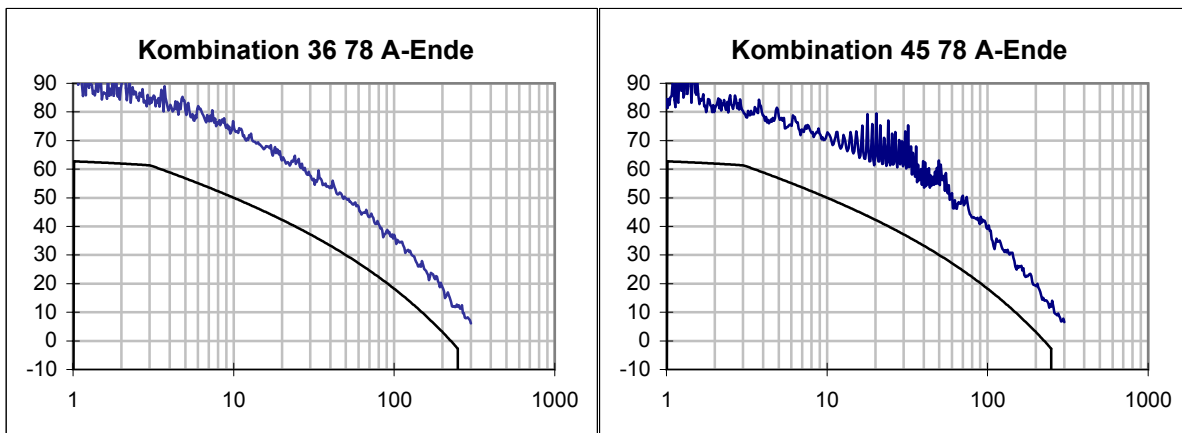
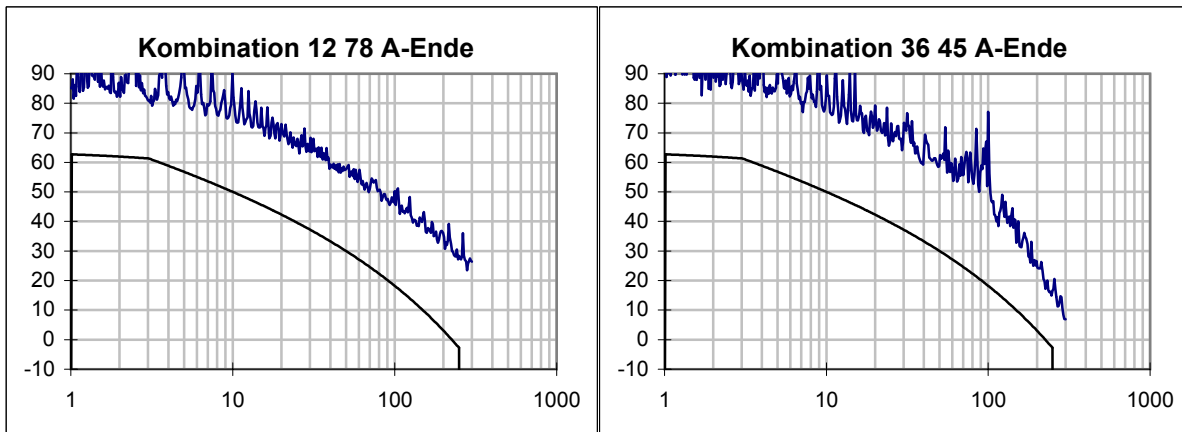
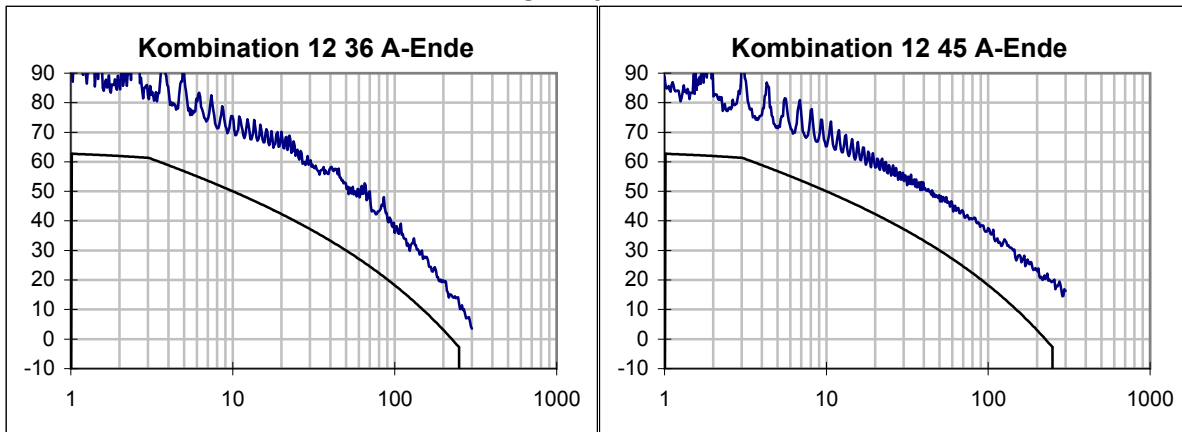




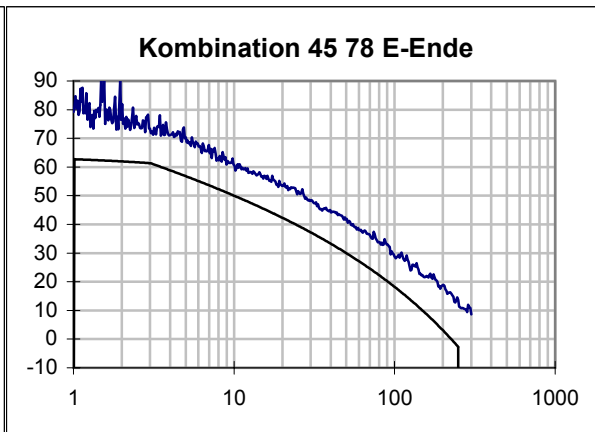
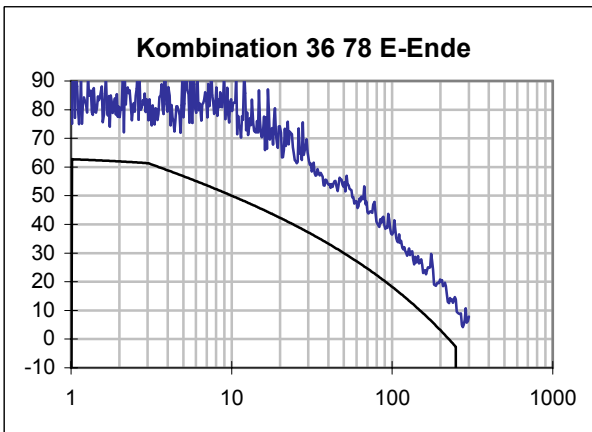
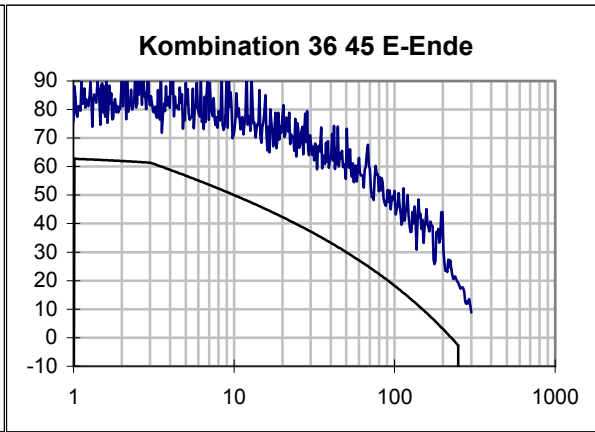
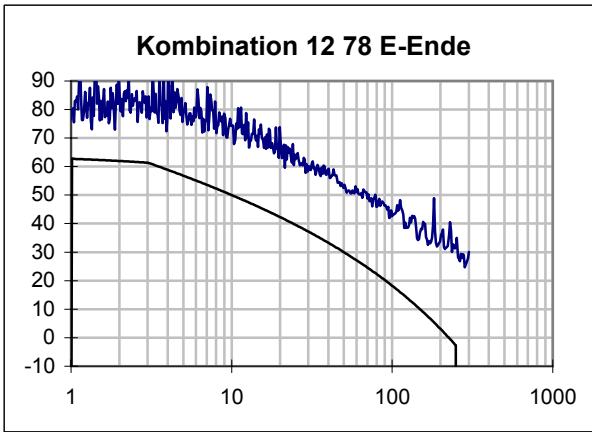
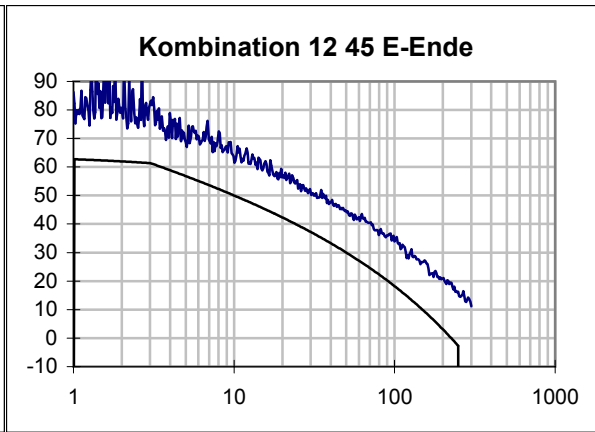
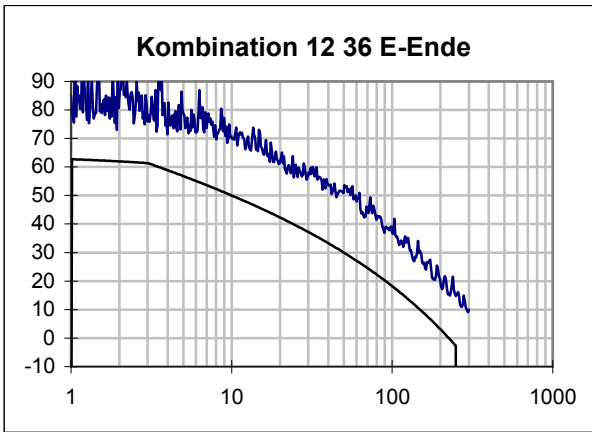
PSELFEXT / dB



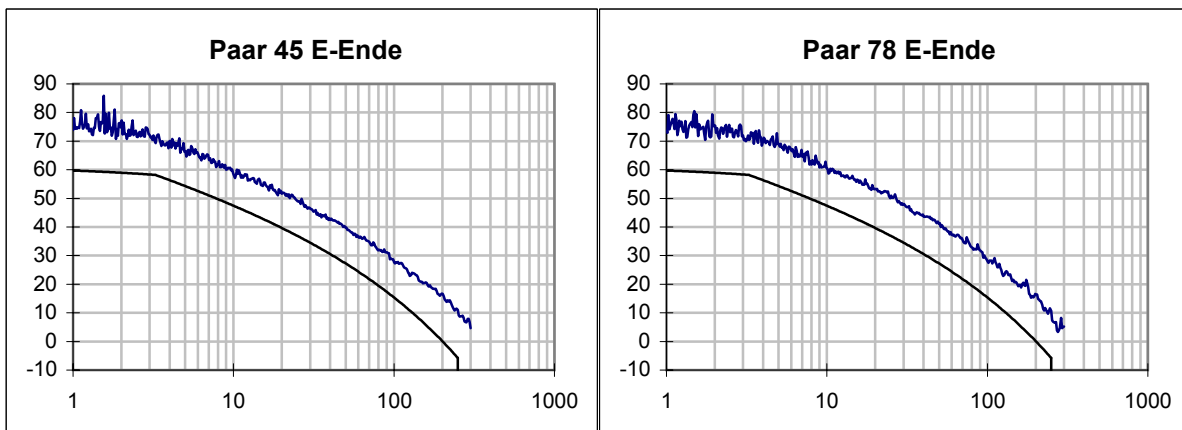
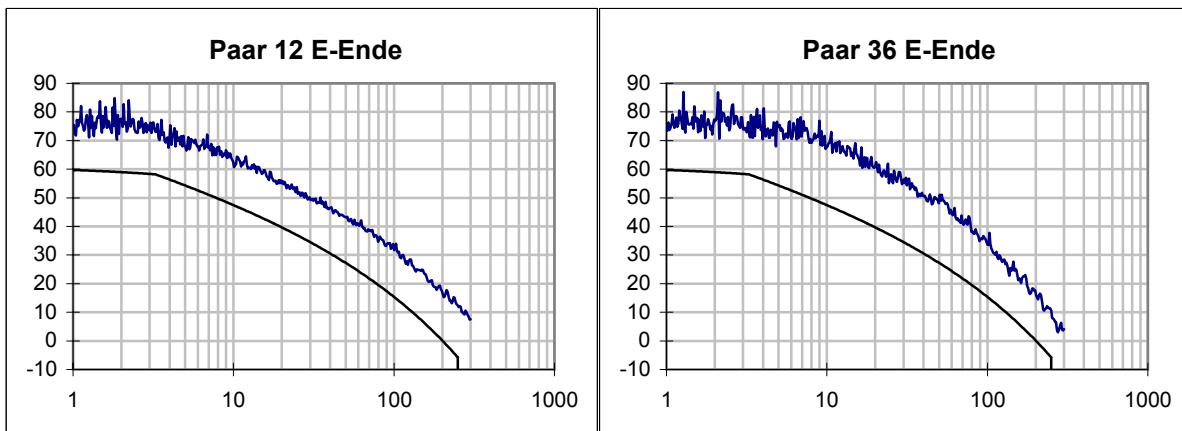
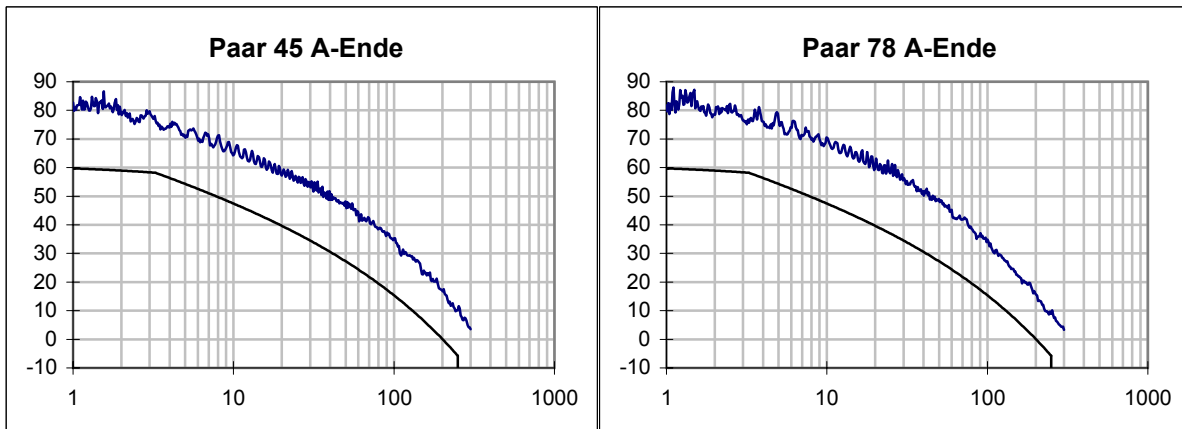
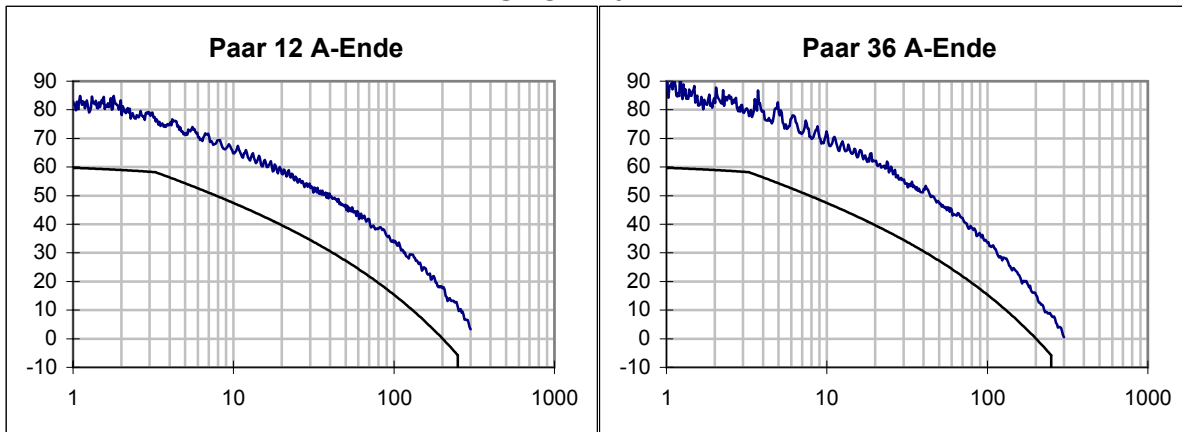
ACR / dB



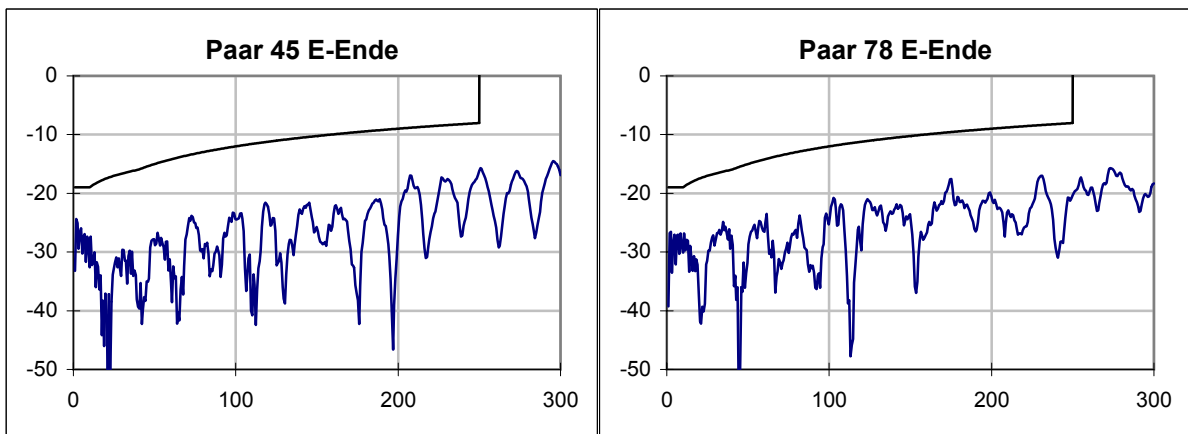
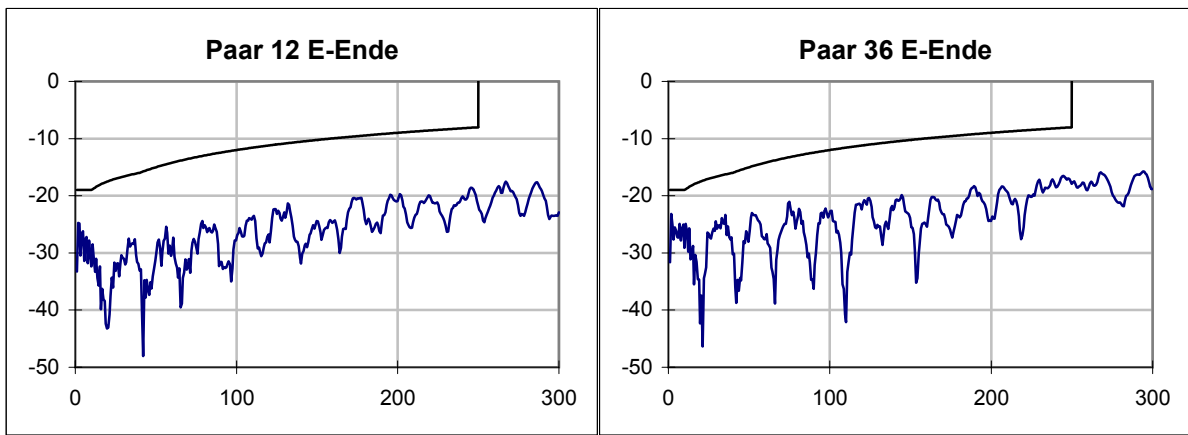
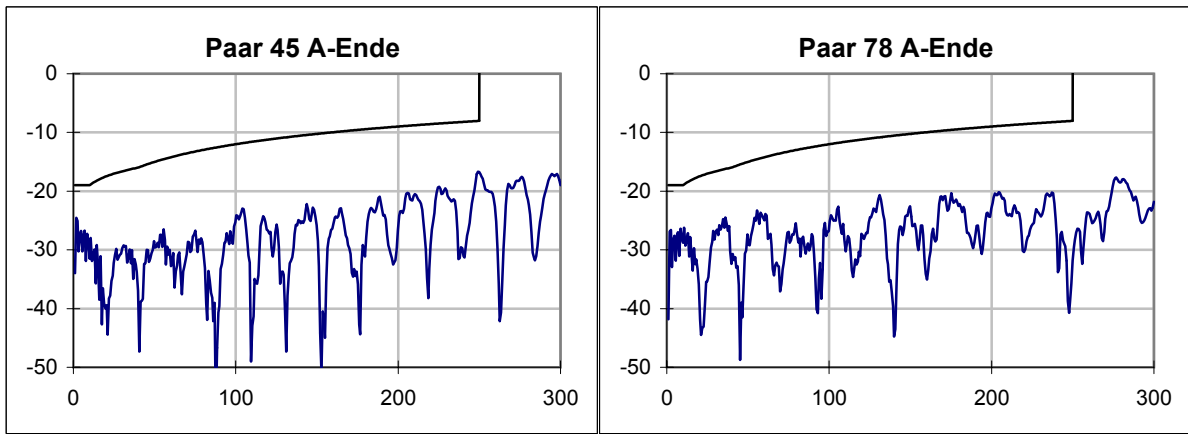
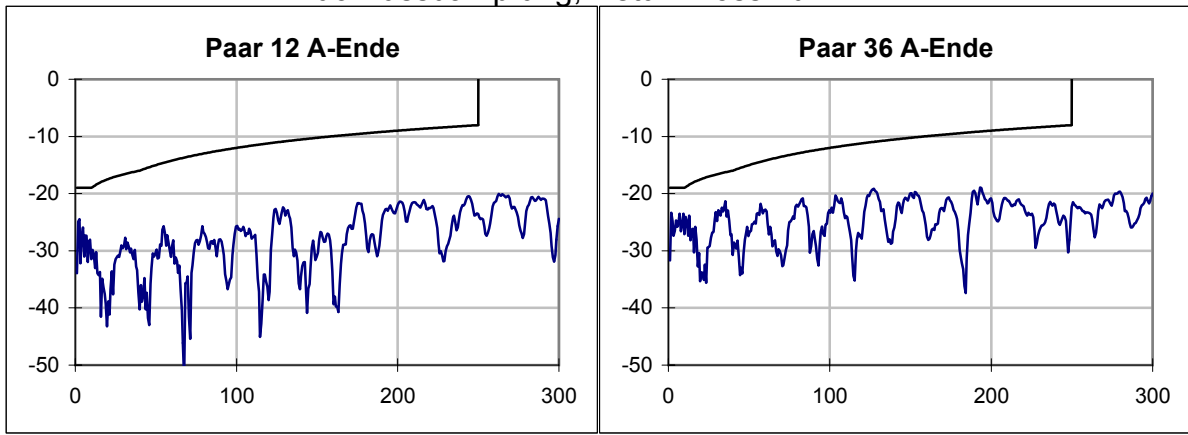




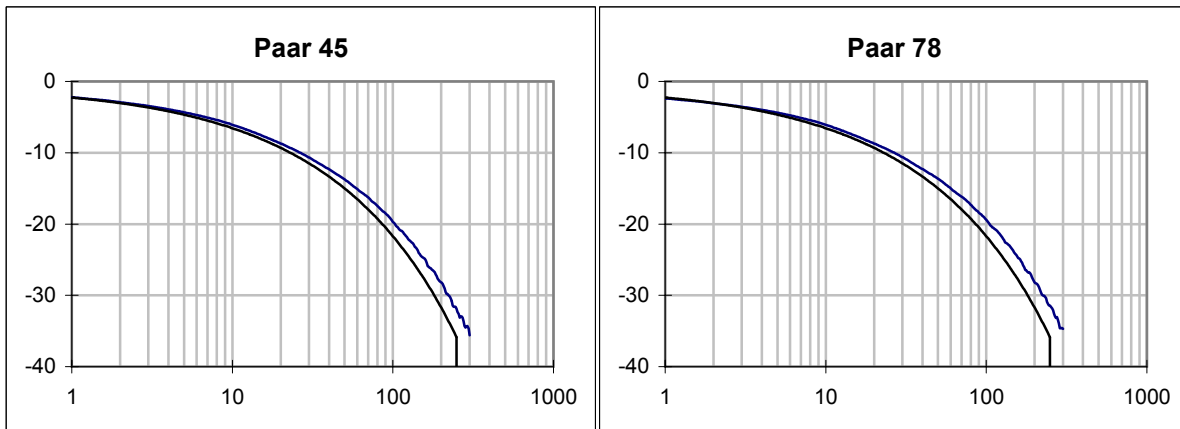
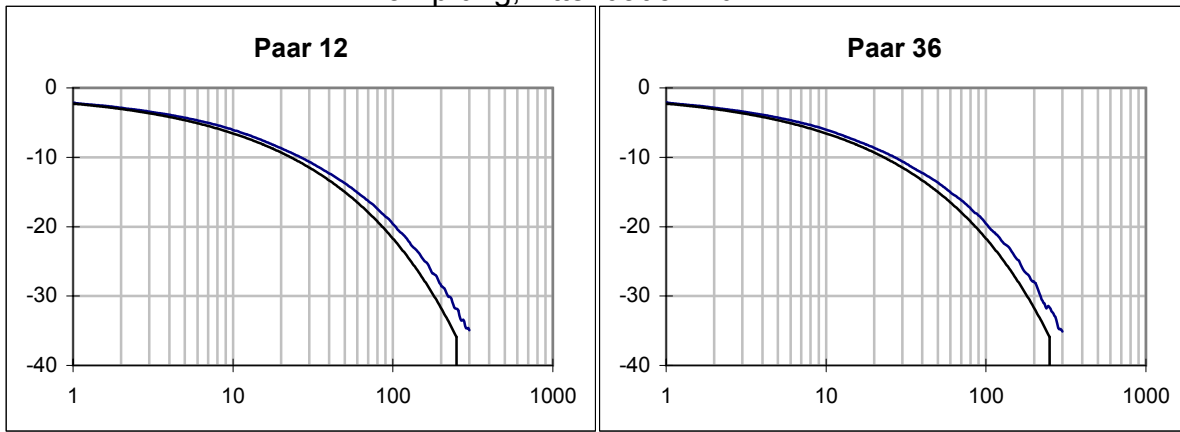
PSACR / dB



# Rückflussdämpfung, Return Loss / dB



### Dämpfung, Attenuation / dB



### Laufzeit, Delay / ns

