



**Channel-Messung**

# Draka Multimedia Cable

**Aufbau:**

Patch-Kabel A-Ende: **5 m S-STP Patchkabel Telegärtner L00003A0049 (Telegärtner-Stecker)**  
 Komponente A-Ende **Telegärtner MPP 16/24 Cat.6 Patch Panel**  
 Tertiärkabel: **90 m UC400 S24 4P**  
 Komponente E-Ende **Telegärtner VAD Cat.6 Doppeldose**  
 Patch-Kabel E-Ende: **5 m S-STP Patchkabel Telegärtner L00003A0049 (Telegärtner-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!*

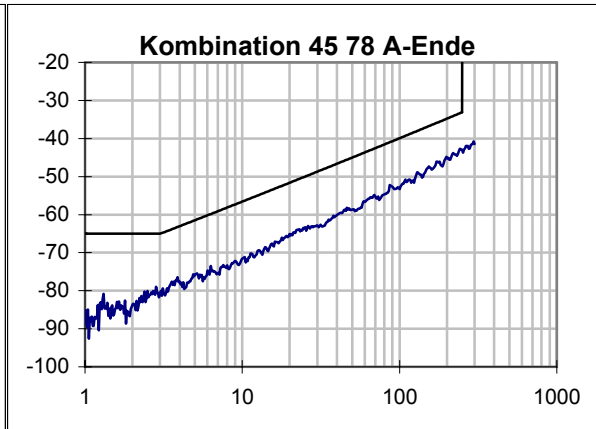
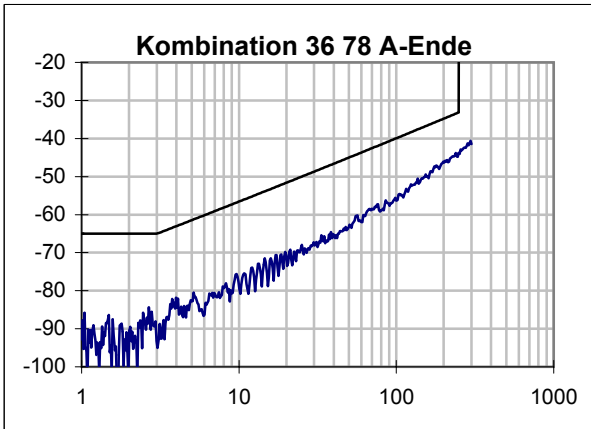
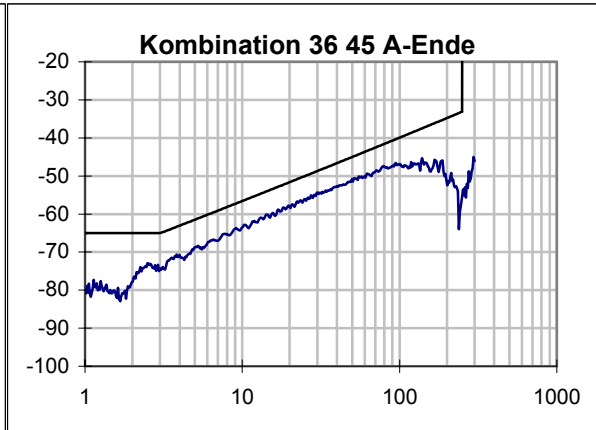
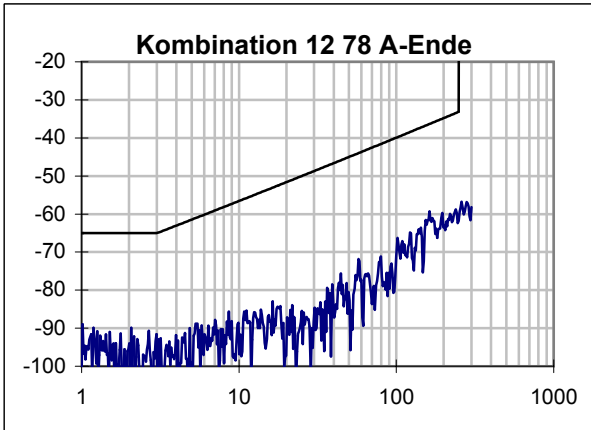
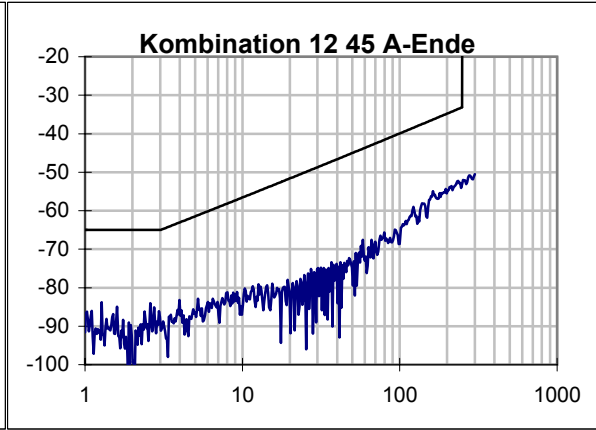
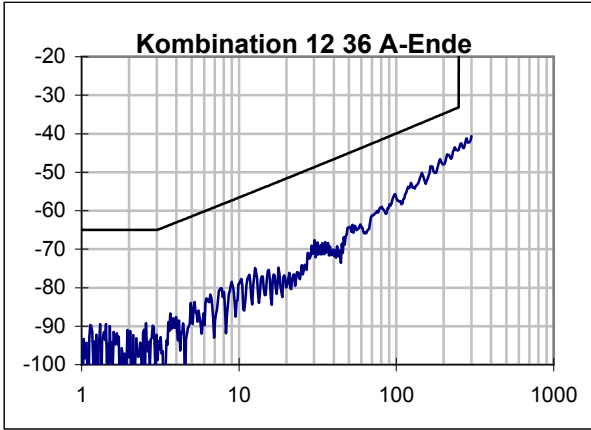
Ankerfrequenzen / MHz: 100 Datum: 30.04.2001  
 250 Prüfer: Dr. C. Pfeiler  
 Prüflabor: Draka Multimedia Cable  
 Wohlaue Str. 15  
 90475 Nürnberg

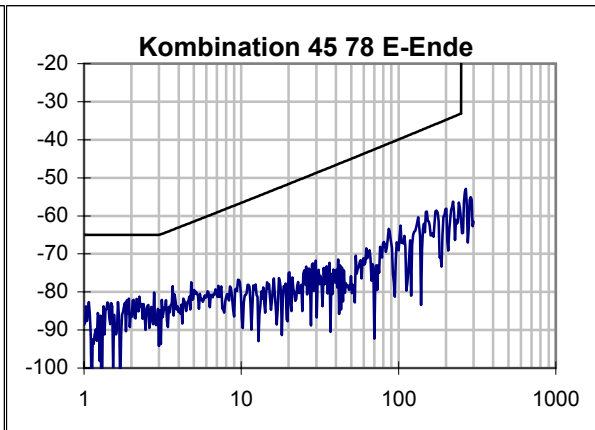
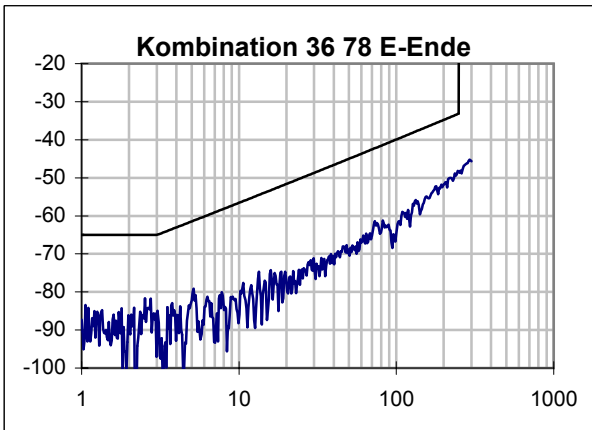
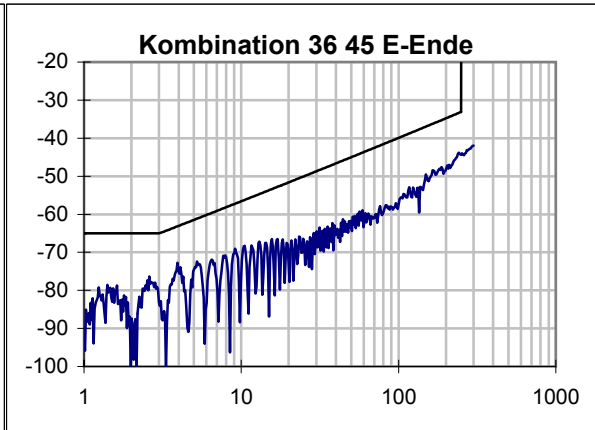
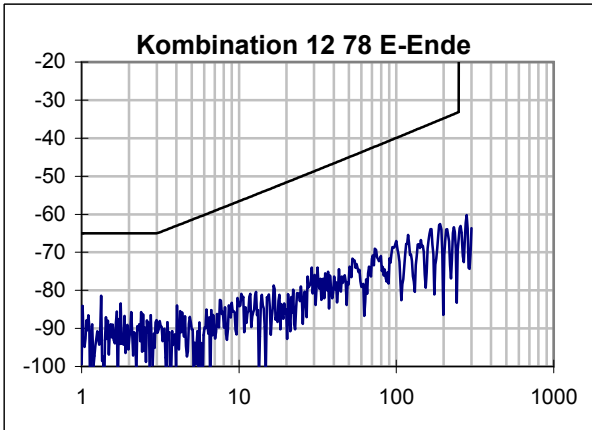
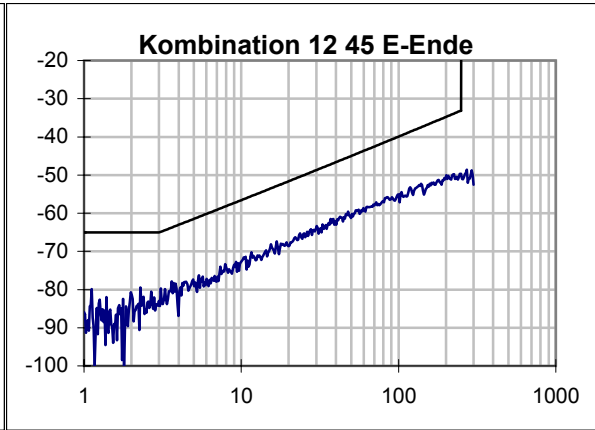
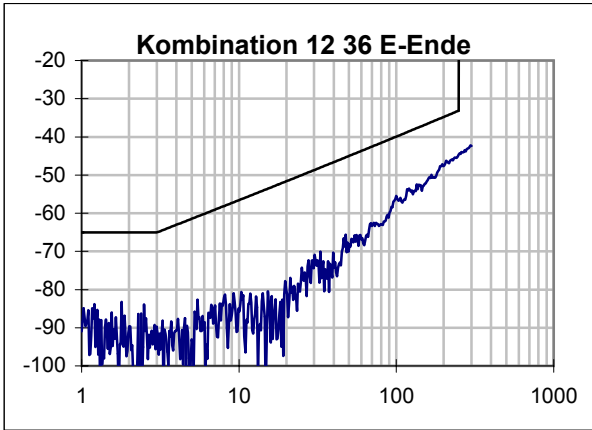
gepr.

**Übersicht Ergebnis:**

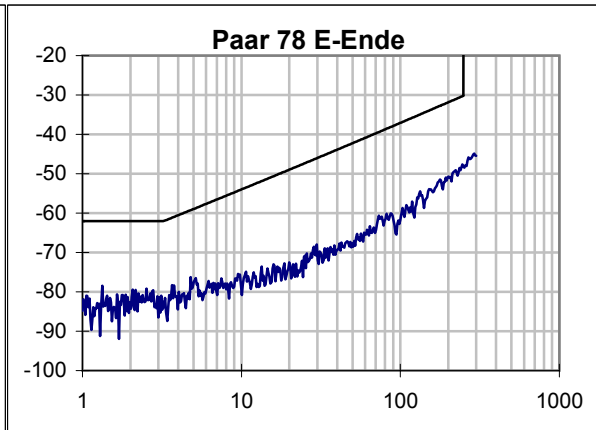
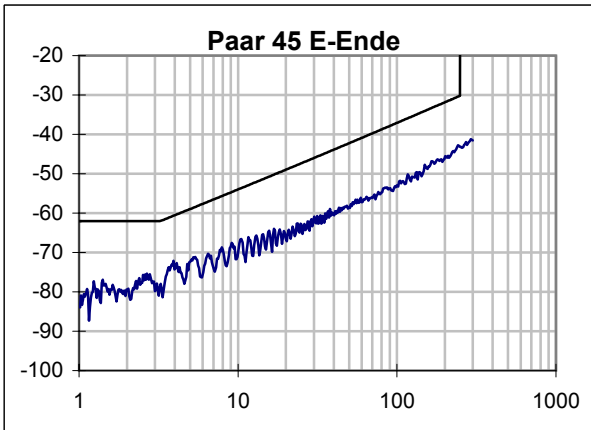
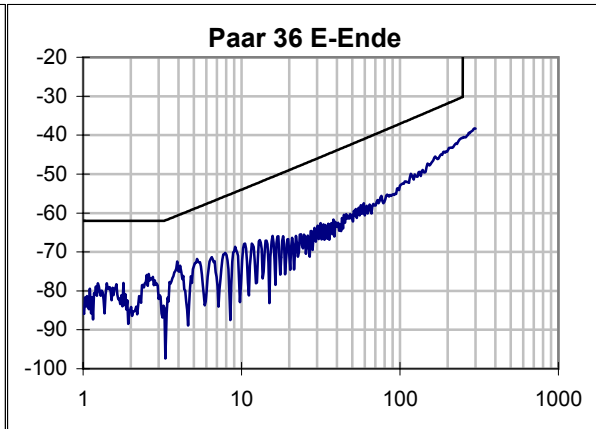
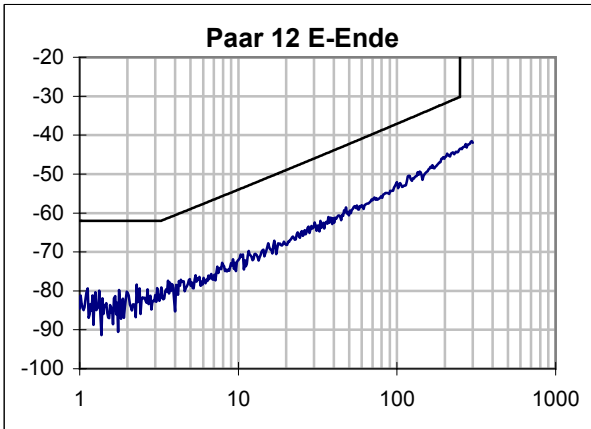
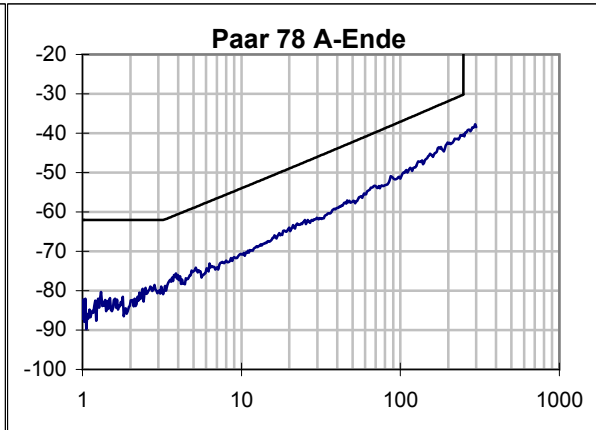
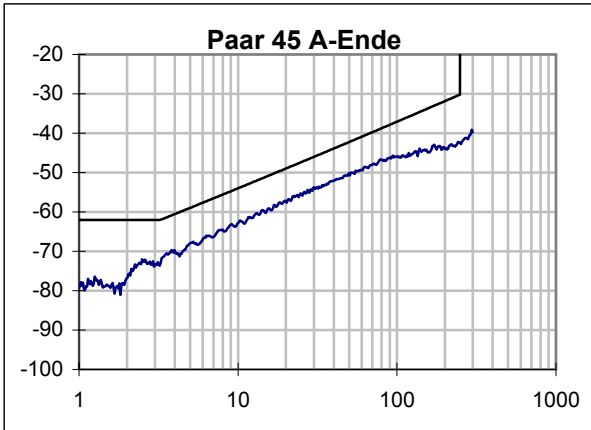
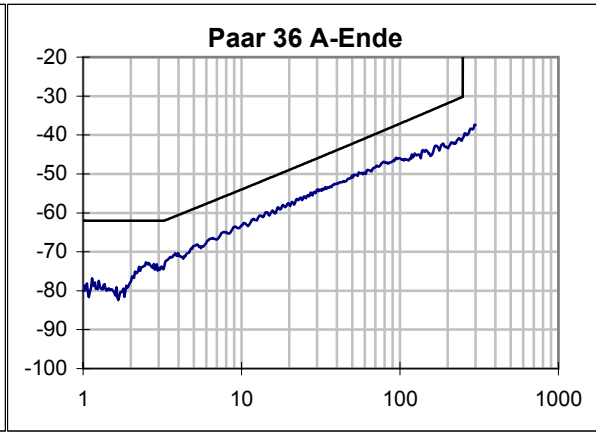
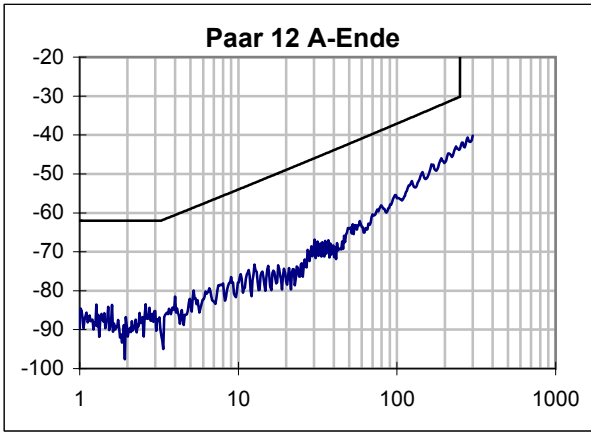
Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	430,9	438,0	429,5	433,6		11,0	50
Dämpfung @ 100MHz/dB	20,75	20,28	20,66	20,20	21,7		
Dämpfung @ 250MHz/dB	33,95	32,45	33,32	32,86	35,9		
min PSNEXT-Res. / dB	12,29	7,98	7,74	9,96			
@ f / MHz	12,29	7,98	7,74	9,96			
PSNEXT Gr. / dB	52,51	55,62	55,84	54,02			
PSNEXT @ 100 MHz	52,58	54,08	53,40	62,73	37,1		
PSNEXT @ 250 MHz	43,49	40,71	43,20	48,09	30,2		
min PSELFEXT-Res. / dB	22,06	11,16	11,08	19,62			
@ f / MHz	1,11	187,40	187,40	245,71			
PSELFEXT Gr. / dB	59,39	14,80	14,80	12,45			
PSELFEXT @ 100 MHz	56,33	36,52	36,54	44,60	20,3		
PSELFEXT @ 250 MHz	38,06	33,11	31,00	32,74	12,3		
min PSACR-Reserve / dB	14,3	8,5	8,2	12,4			
@ f / MHz	235,4	30,2	22,4	238,8			
PSACR Grenz. / dB	-4,1	34,4	38,3	-4,5			
PSACR @ 100 MHz	31,83	33,52	32,79	42,19	15,4		
PSACR @ 250 MHz	9,53	7,60	10,36	15,57	-5,8		
min RL-Reserve / dB	6,2	7,5	6,4	9,1			
@ f / MHz	1,7	135,6	1,7	10,0			
RL Grenzwert / dB	19,0	10,7	19,0	19,0			
<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	9,97	14,07	16,41	5,65	10,36	9,36	
@ f / MHz	235,42	3,61	1,33	29,78	238,80	242,23	
NEXT Grenzw. /dB	33,56	63,76	65,00	48,77	33,46	33,35	
NEXT @ 100 MHz	56,34	55,17	67,88	58,62	66,80	67,93	39,9
NEXT @ 250 MHz	44,69	49,72	66,56	44,39	48,38	61,15	33,1
min ELFEXT-Res. / dB	20,0	23,1	24,6	8,2	20,7	16,8	
@ f / MHz	1,1	1,4	1,1	187,4	169,6	245,7	
ELFEXT Grw. /dB	62,39	60,53	62,51	17,80	18,67	15,45	
ELFEXT @ 100 MHz	60,92	68,57	58,61	36,88	47,76	47,82	23,3
ELFEXT @ 250 MHz	39,48	44,85	49,58	35,12	41,67	33,44	15,3
min ACR-Reserve/ dB	11,9	14,1	16,3	6,1	13,4	11,6	
@ f / MHz	235,4	3,6	1,3	29,8	238,8	242,2	
ACR Grenzw. /dB	-1,2	59,8	62,5	37,3	-1,6	-2,0	
ACR @ 100 MHz	35,59	34,42	47,13	38,34	46,53	47,27	18,2
ACR @ 250 MHz	10,74	15,77	32,61	11,94	15,93	27,83	-2,8

NEXT / dB

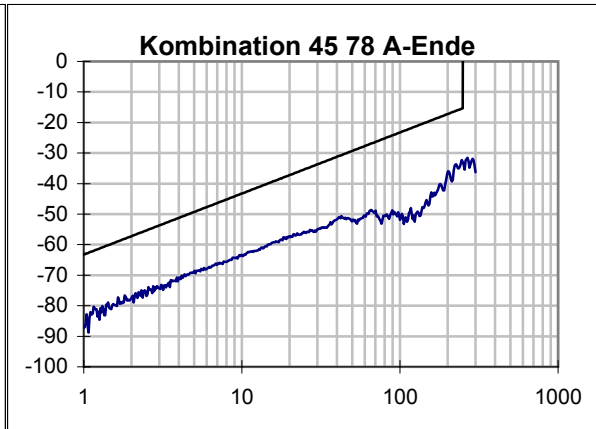
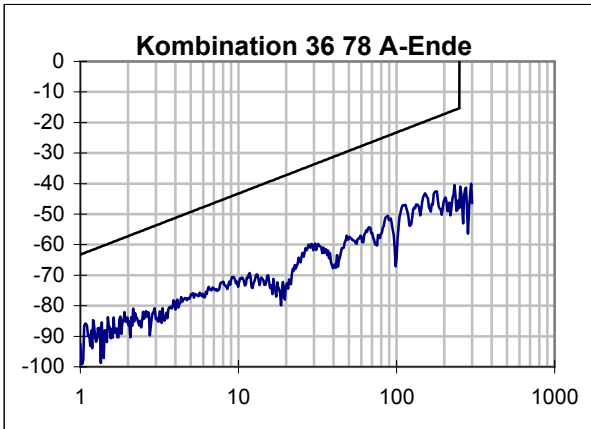
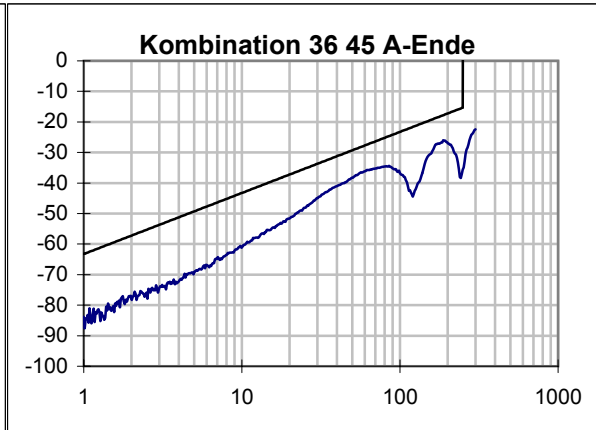
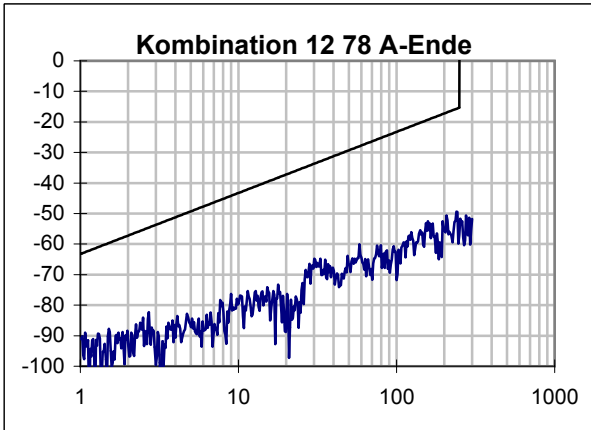
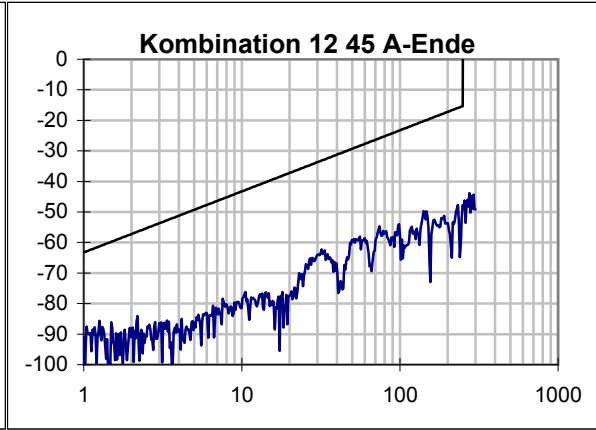
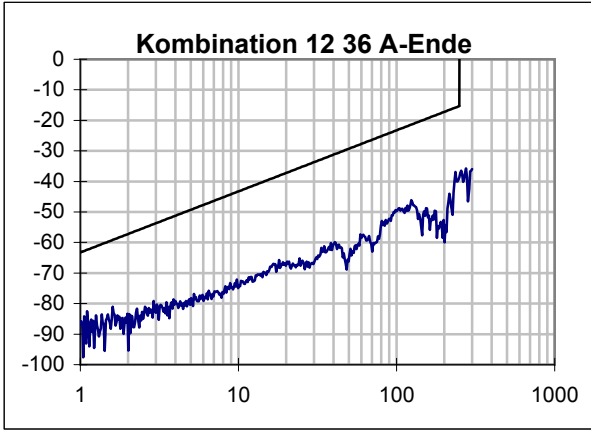


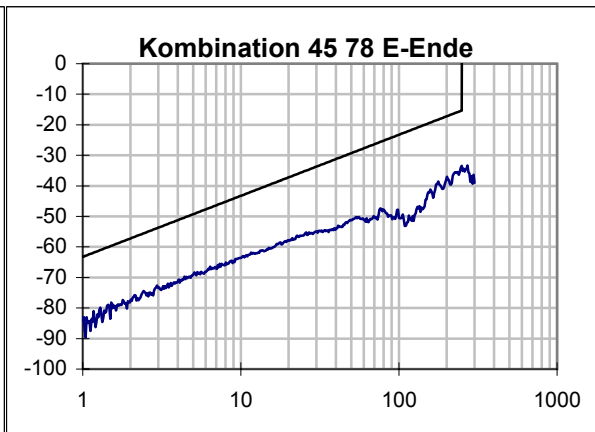
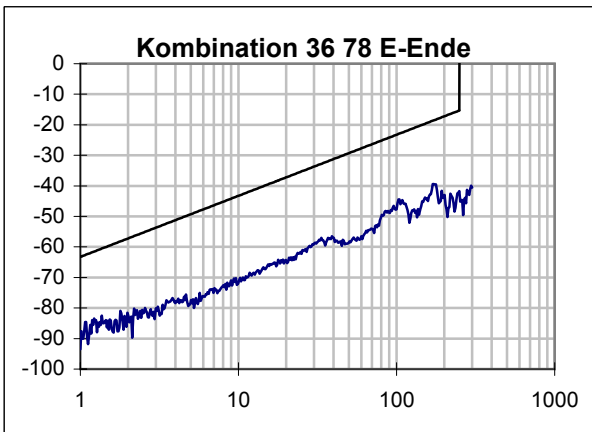
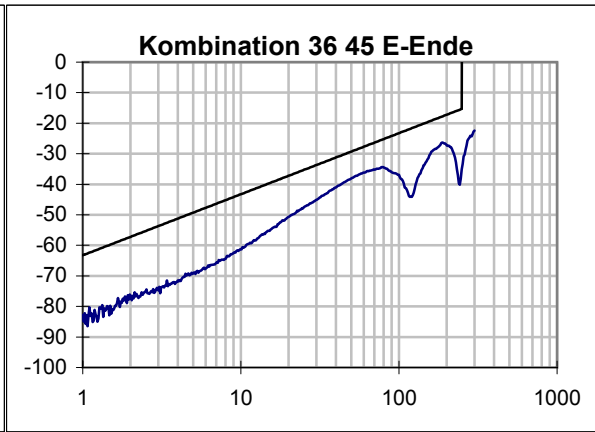
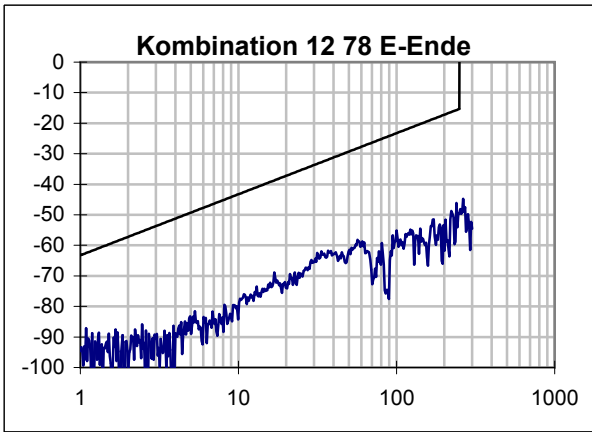
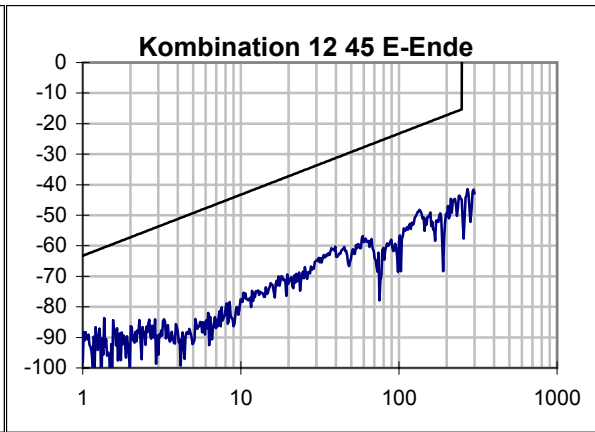
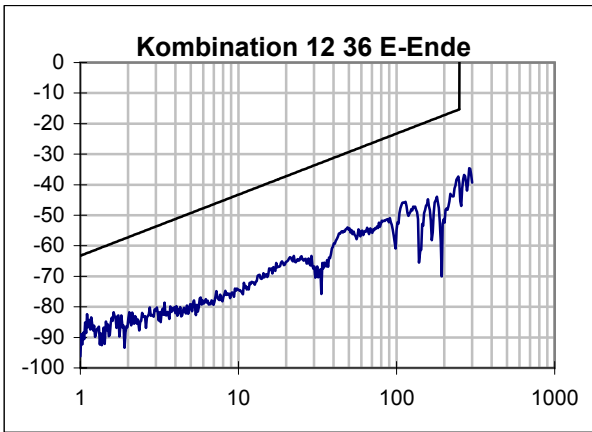


PSNEXT / dB

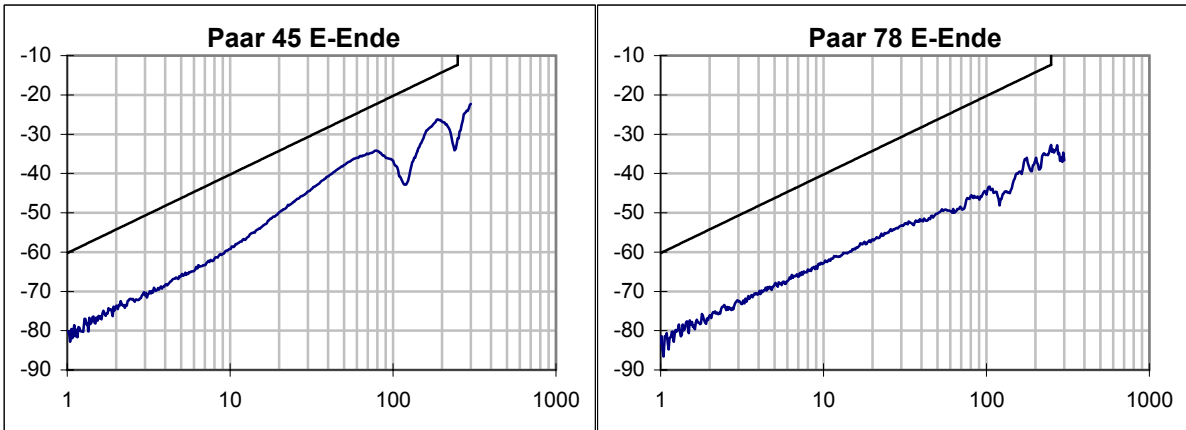
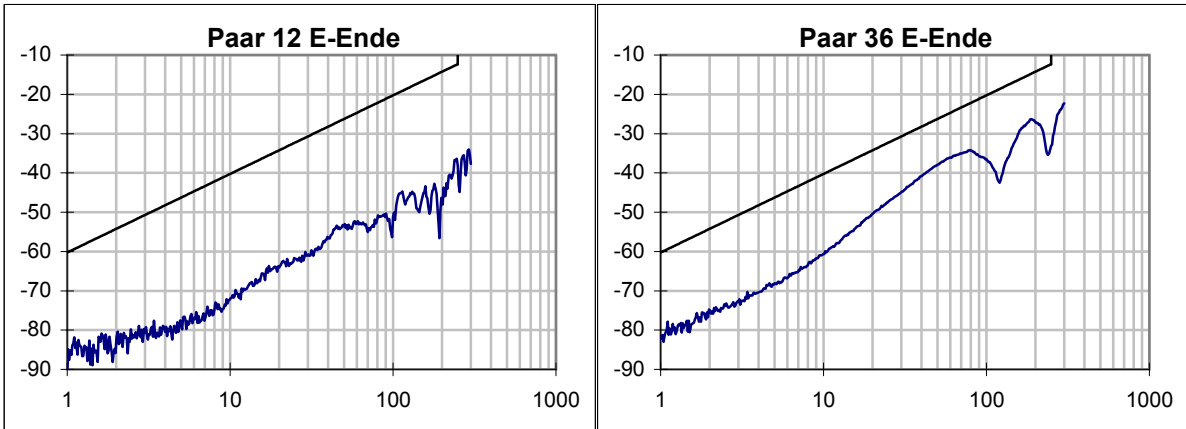
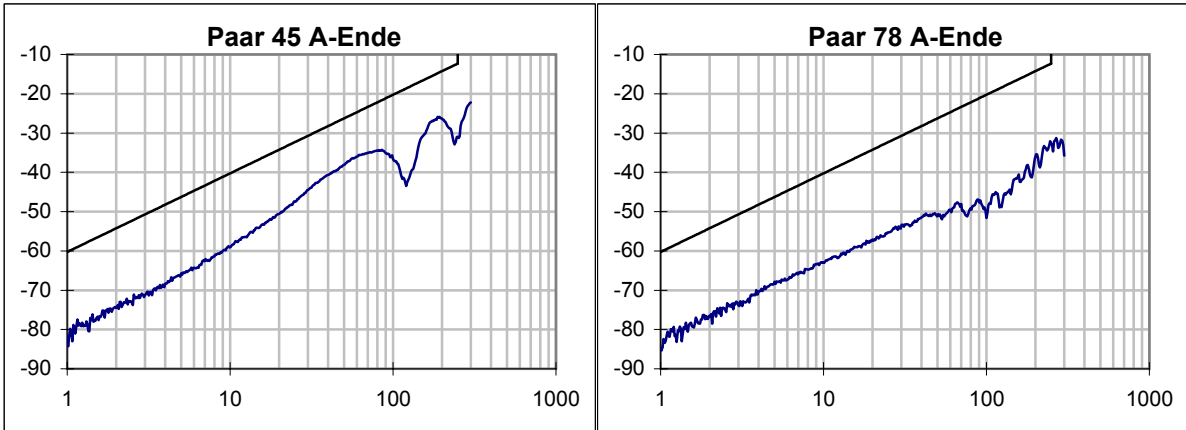
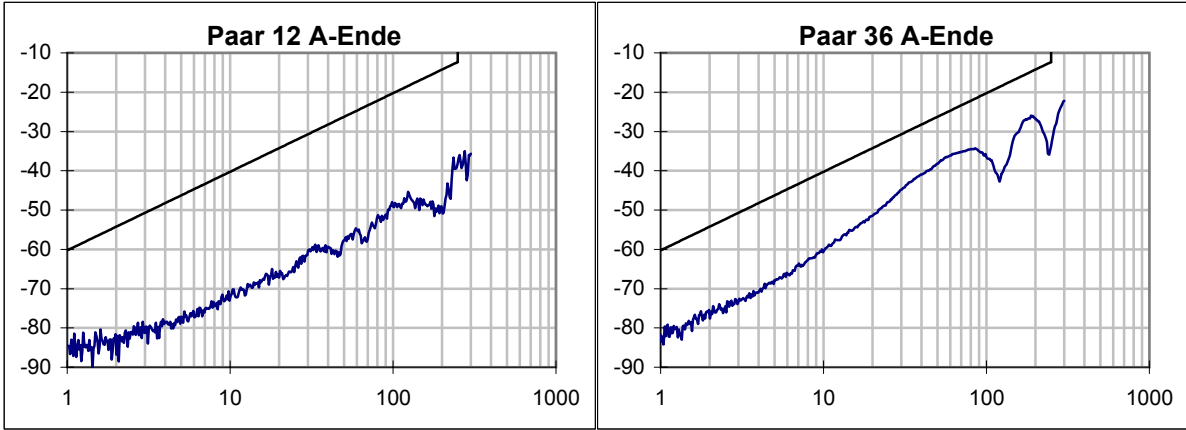


ELFEXT / dB

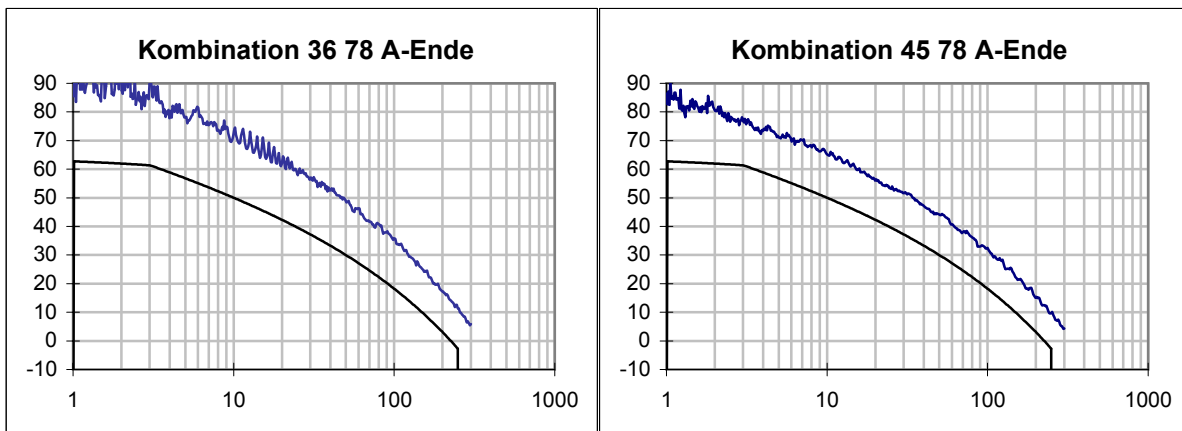
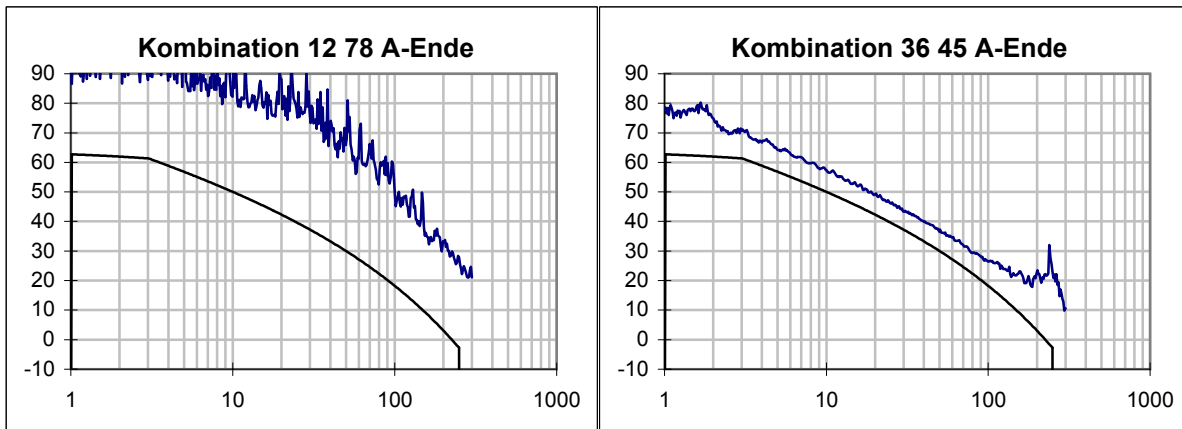
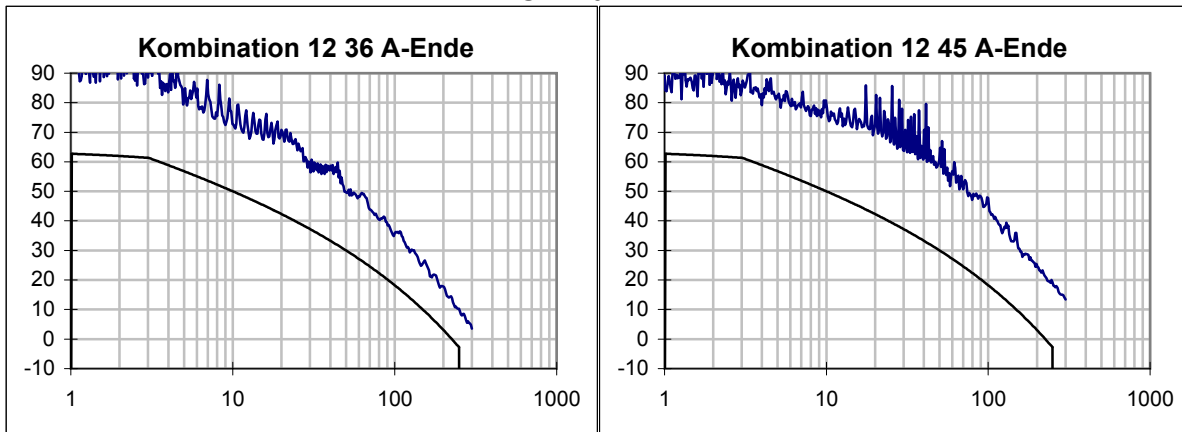




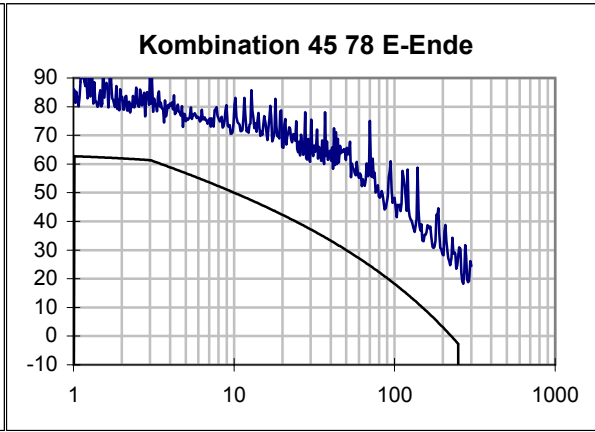
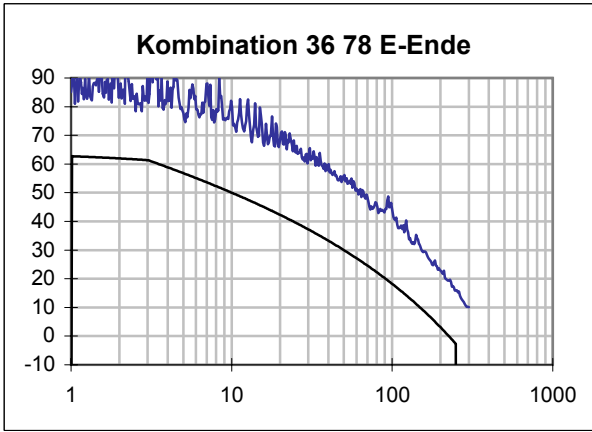
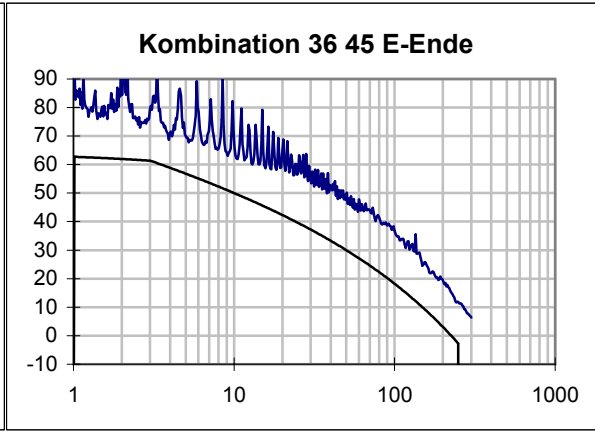
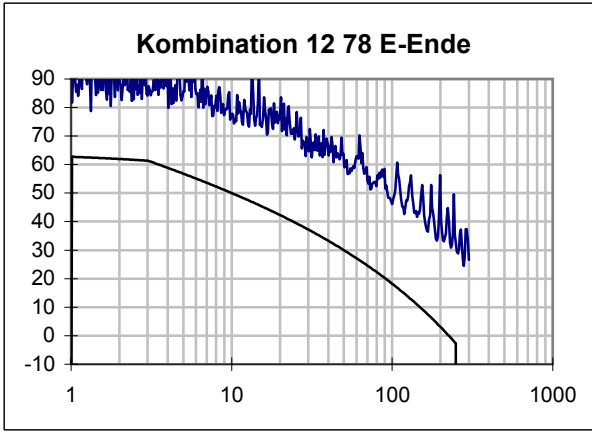
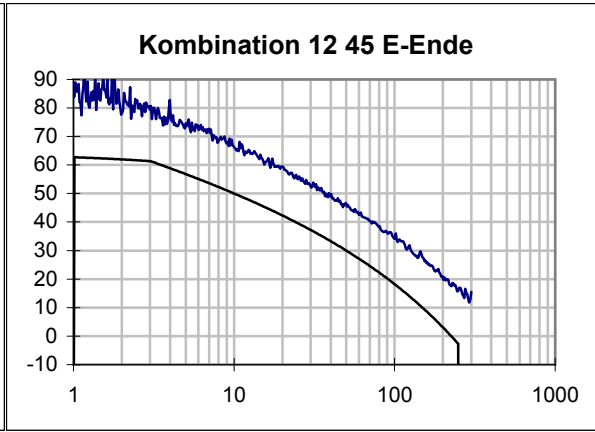
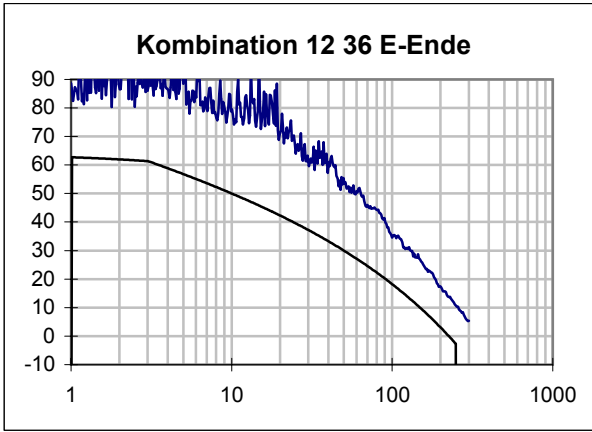
PSELFEXT / dB



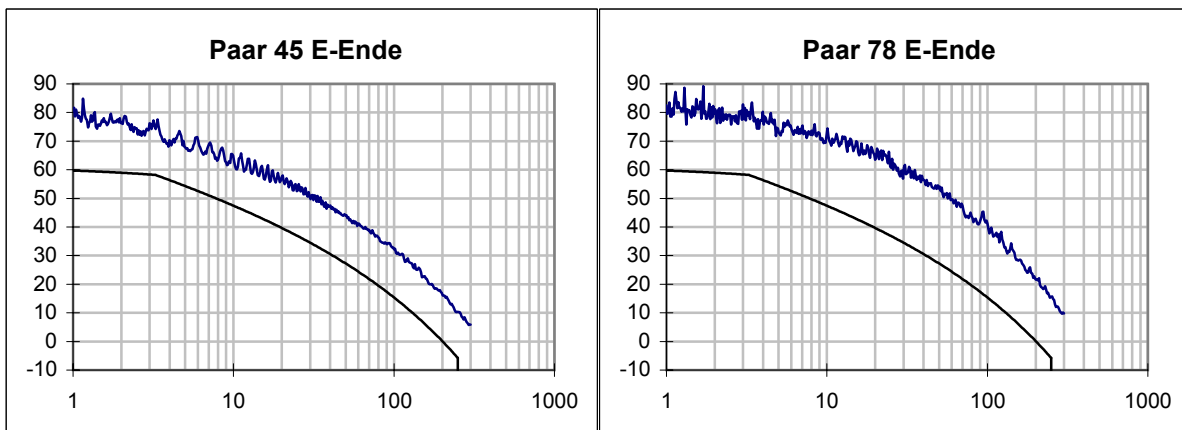
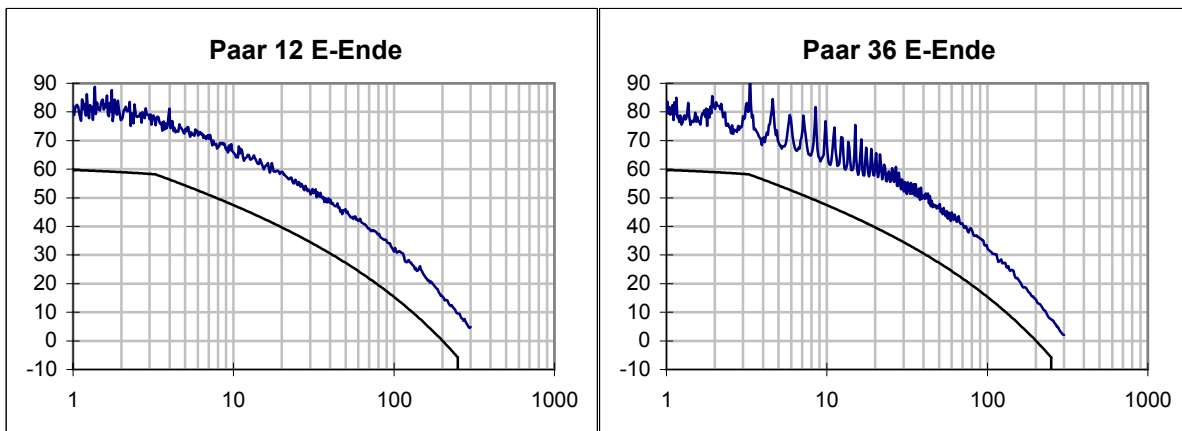
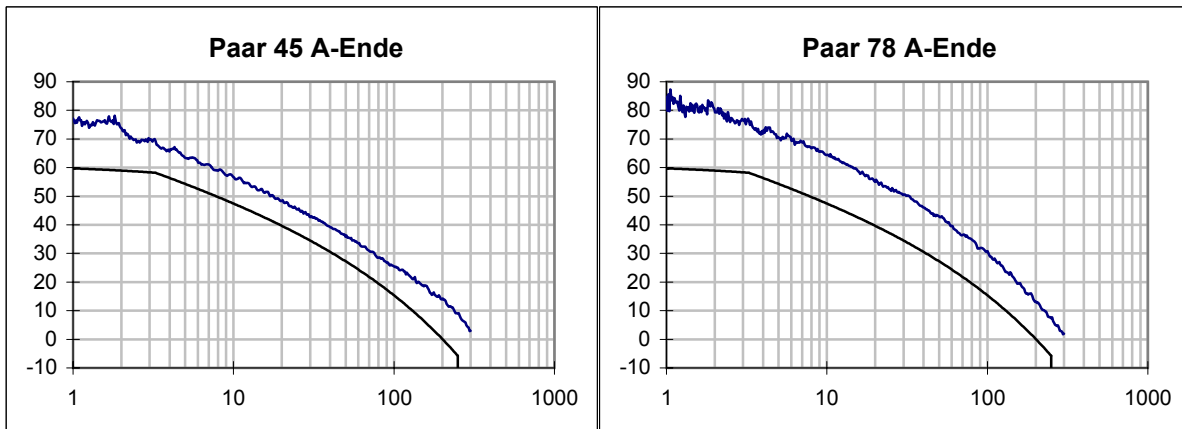
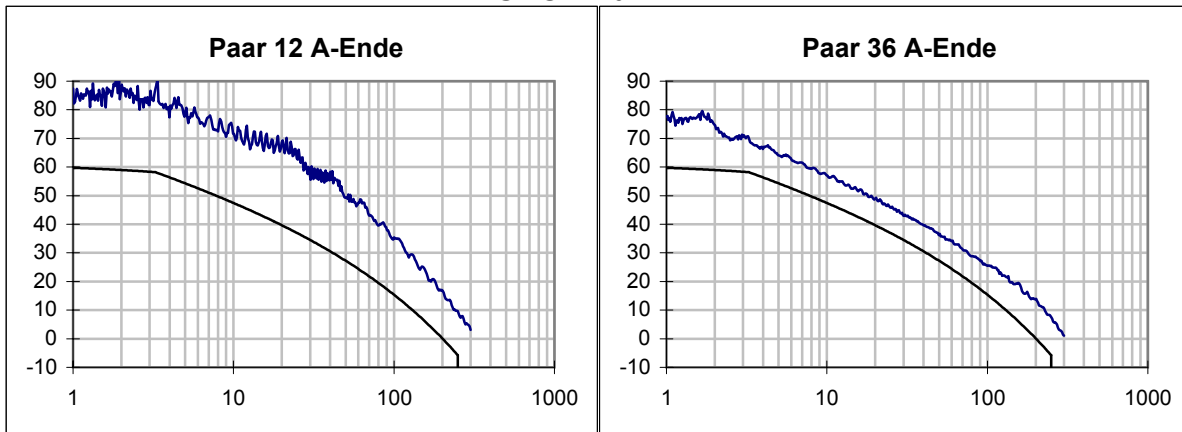
ACR / dB



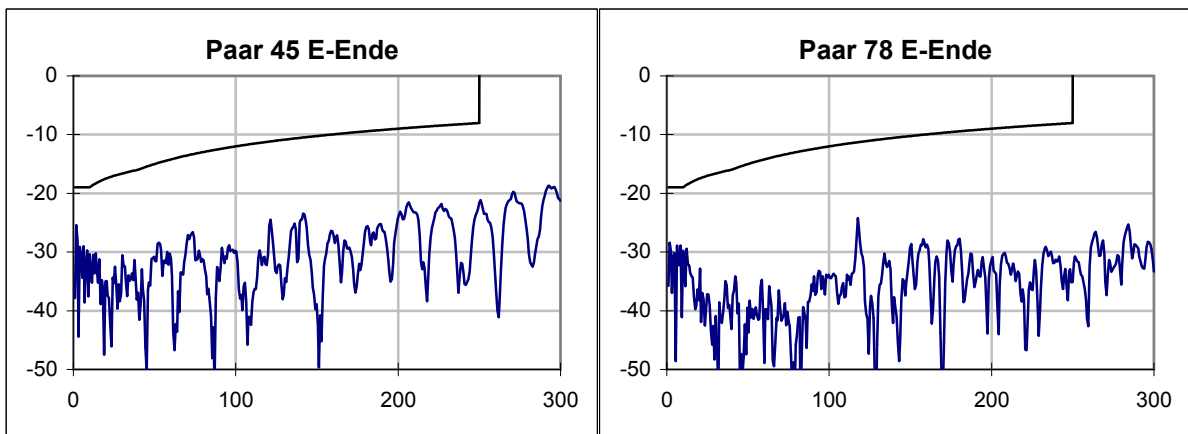
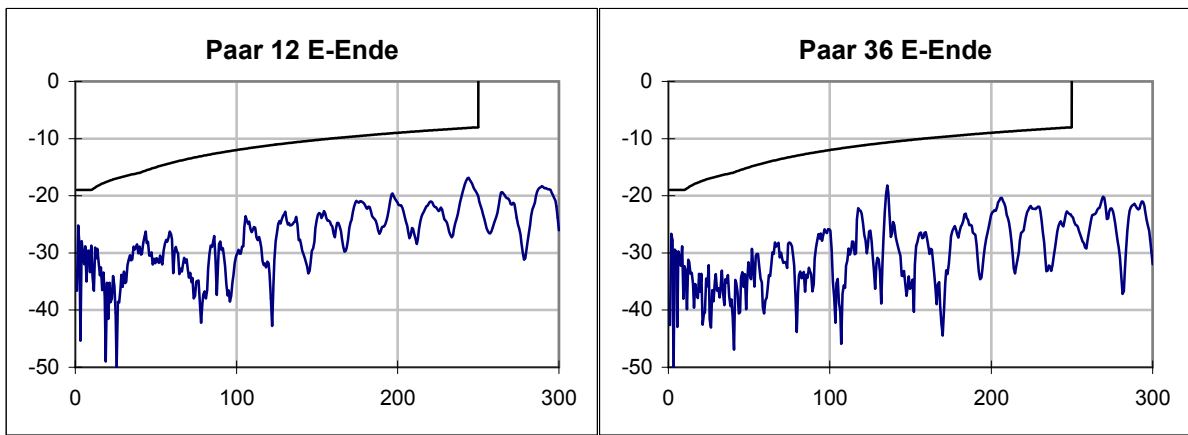
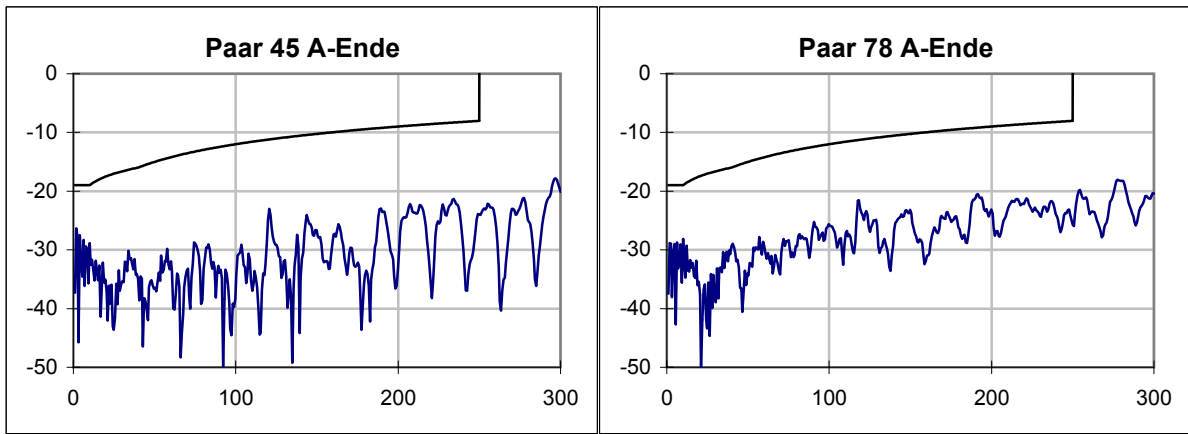
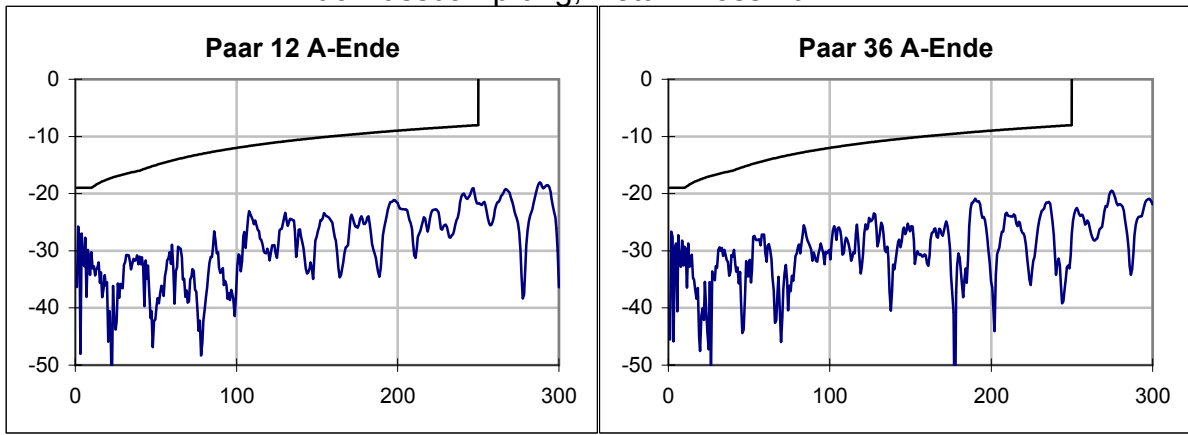




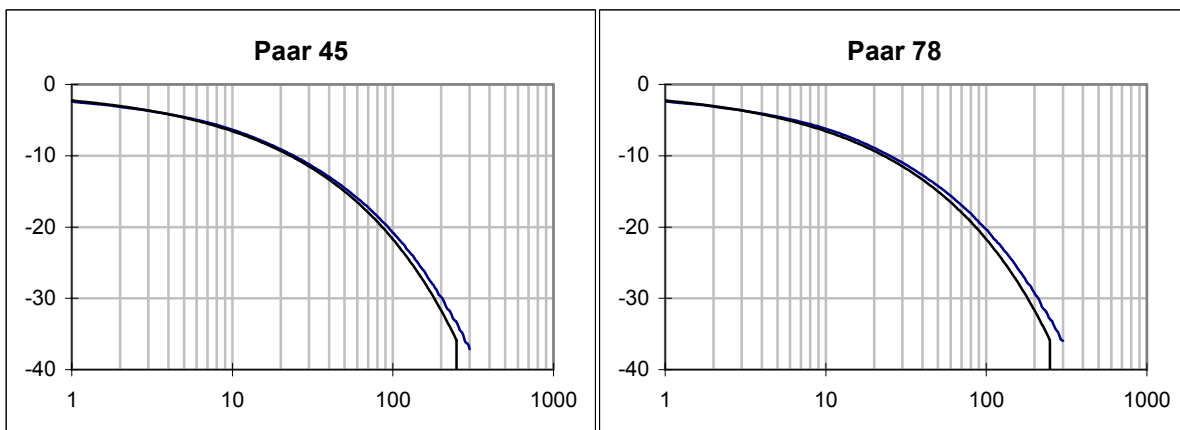
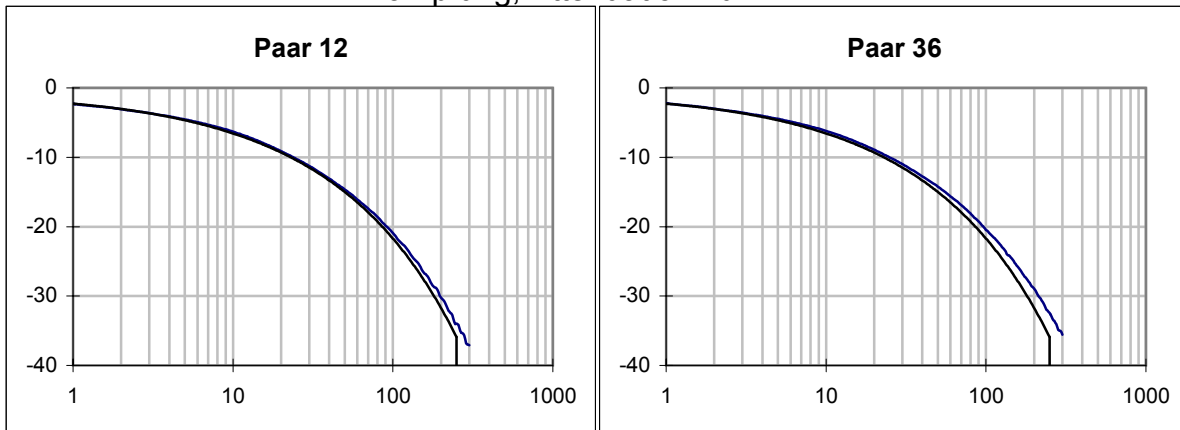
PSACR / dB



Rückflussdämpfung, Return Loss / dB



### Dämpfung, Attenuation / dB



### Laufzeit, Delay / ns

