



**Channel-Messung**

# Draka Multimedia Cable

**Aufbau:**

Patch-Kabel A-Ende: **5 m UC600 SS27 4P (Stewart HighSpeed-Stecker)**  
 Komponente A-Ende: **AMP ACO+ ISO Cat.6**  
 Tertiärkabel: **90 m UC1200 SS23/1 4P**  
 Komponente E-Ende: **AMP ACO+ ISO Cat.6**  
 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 N696.  
 Das ACR wird bis 300 MHz nicht negativ!*

Ankerfrequenzen / MHz: 100  
 250

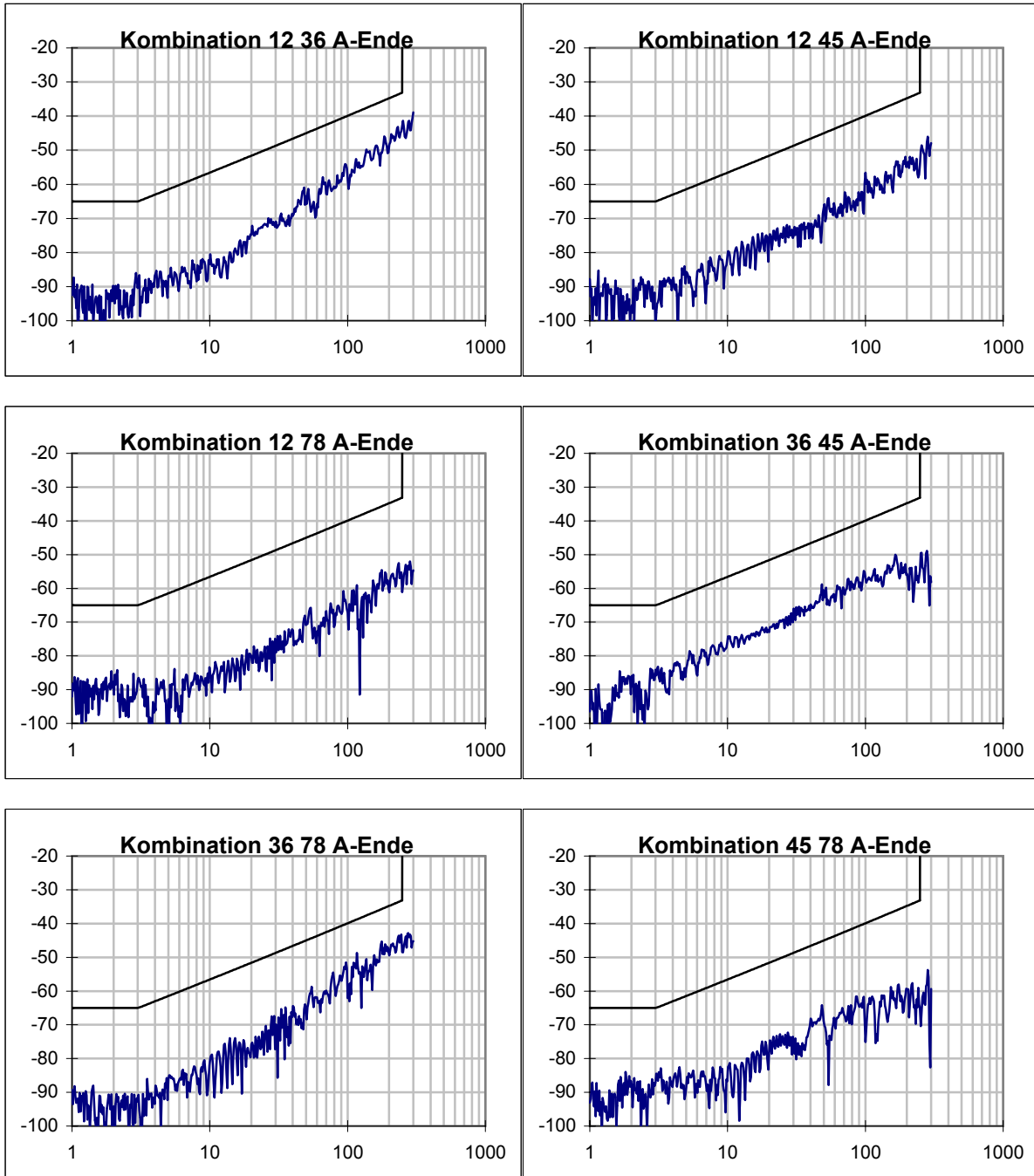
Datum: 13.08.2001  
 Prüfer: Dr. C. Pfeiler  
 Prüflabor: Draka Multimedia Cable  
 Wohlaue Str. 15  
 90475 Nürnberg

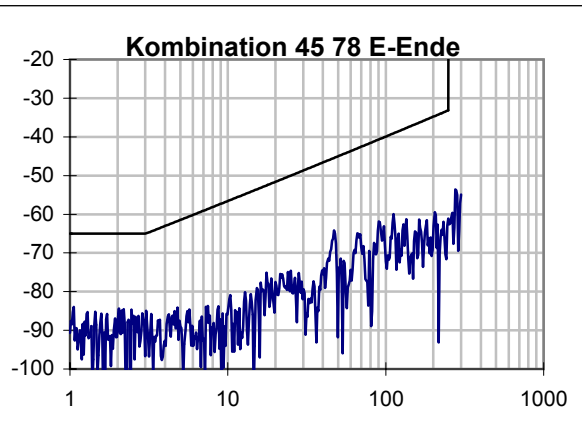
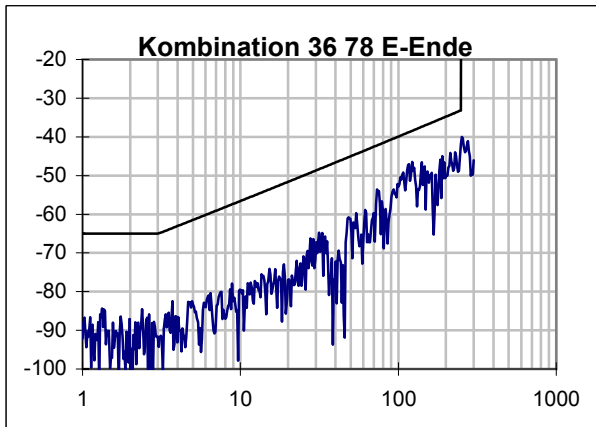
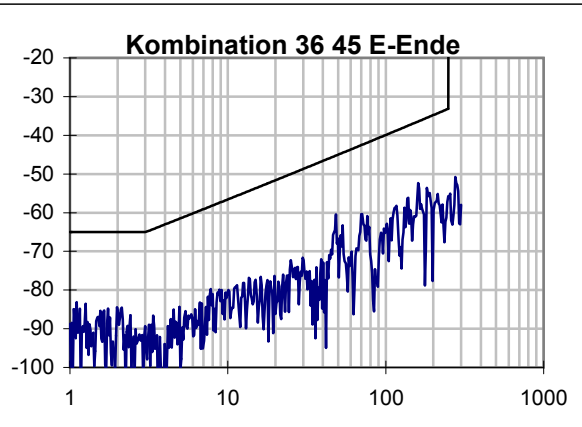
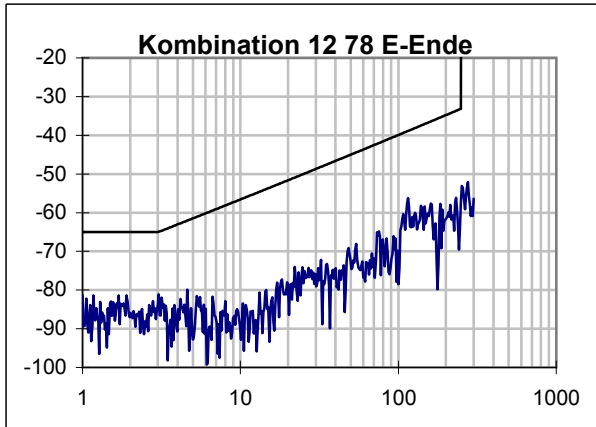
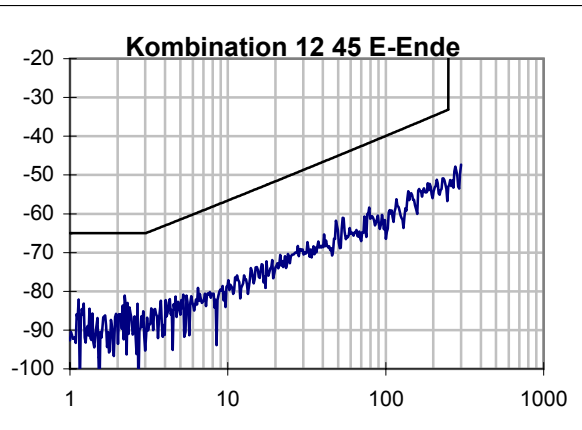
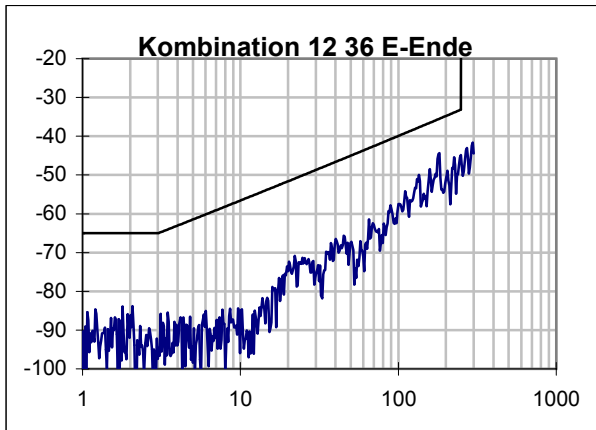
gepr.

**Übersicht Ergebnis:**

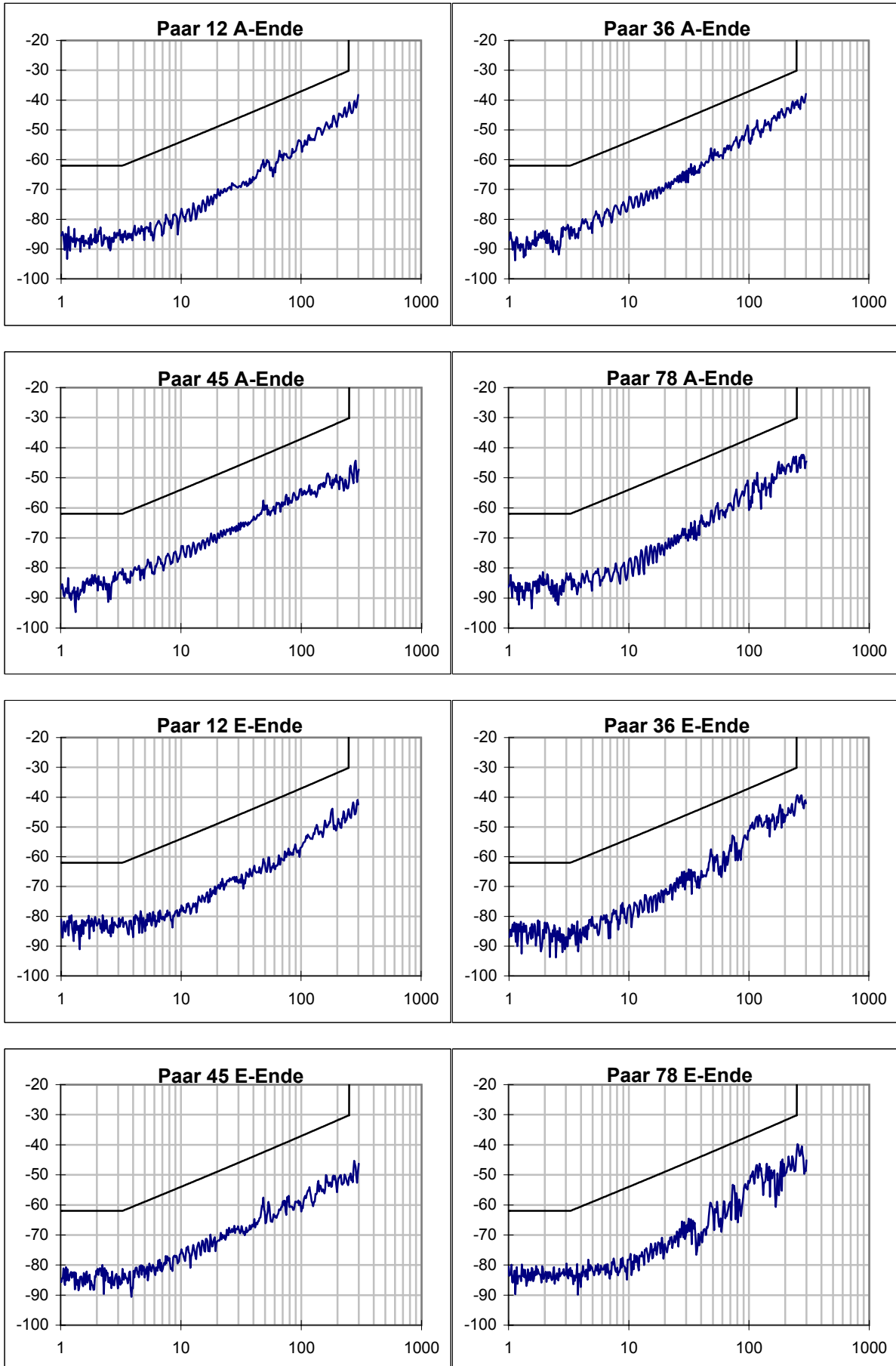
Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	452,9	450,6	446,4	446,5		9,9	50
Dämpfung @ 100MHz/dB	19,42	19,76	19,57	19,22	21,7		
Dämpfung @ 250MHz/dB	31,90	31,77	31,74	31,59	35,9		
min PSNEXT-Res. / dB	11,73	9,74	15,06	11,94			
@ f / MHz	232,09	232,09	48,36	177,01			
PSNEXT Gr. / dB	30,72	30,72	42,49	32,78			
PSNEXT @ 100 MHz	57,08	51,26	59,41	52,01	37,1		
PSNEXT @ 250 MHz	44,05	40,05	50,77	41,78	30,2		
min PSELFEXT-Res. / dB	16,85	11,68	12,58	17,76			
@ f / MHz	232,09	192,82	192,82	1,00			
PSELFEXT Gr. / dB	12,94	14,55	14,55	60,26			
PSELFEXT @ 100 MHz	52,00	47,13	42,29	43,15	20,3		
PSELFEXT @ 250 MHz	32,78	27,19	27,81	31,17	12,3		
min PSACR-Reserve / dB	14,5	12,7	16,2	12,9			
@ f / MHz	182,1	122,2	48,4	122,2			
PSACR Grenz. / dB	2,4	11,4	27,7	11,4			
PSACR @ 100 MHz	37,66	31,55	39,88	32,27	15,4		
PSACR @ 250 MHz	12,15	8,24	18,93	10,01	-5,8		
min RL-Reserve / dB	1,7	1,7	4,1	1,8			
@ f / MHz	9,2	10,7	10,7	10,7			
RL Grenzwert / dB	19,0	18,8	18,8	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	8,85	16,07	16,22	13,52	7,99	18,38	
@ f / MHz	182,13	2,22	3,04	48,36	122,17	3,27	
NEXT Grenzw. /dB	35,48	65,00	64,96	45,25	38,45	64,46	
NEXT @ 100 MHz	59,34	61,60	69,81	65,28	52,20	68,03	39,9
NEXT @ 250 MHz	44,88	53,06	57,31	55,77	41,96	61,14	33,1
min ELFEXT-Res. / dB	14,0	20,6	20,8	9,7	17,9	15,8	
@ f / MHz	232,1	1,2	1,1	192,8	142,9	1,2	
ELFEXT Grw. /dB	15,94	61,40	62,76	17,55	20,15	61,77	
ELFEXT @ 100 MHz	57,76	55,83	56,95	48,58	54,15	43,71	23,3
ELFEXT @ 250 MHz	34,12	39,81	44,52	29,31	34,57	34,21	15,3
min ACR-Reserve/ dB	12,1	16,3	16,5	14,7	10,2	18,7	
@ f / MHz	182,1	2,2	3,0	48,4	122,2	3,3	
ACR Grenzw. /dB	5,4	61,8	61,3	30,5	14,2	60,7	
ACR @ 100 MHz	39,92	42,18	50,39	45,52	32,44	48,46	18,2
ACR @ 250 MHz	12,98	21,16	25,42	24,00	10,19	29,39	-2,8

# NEXT / dB

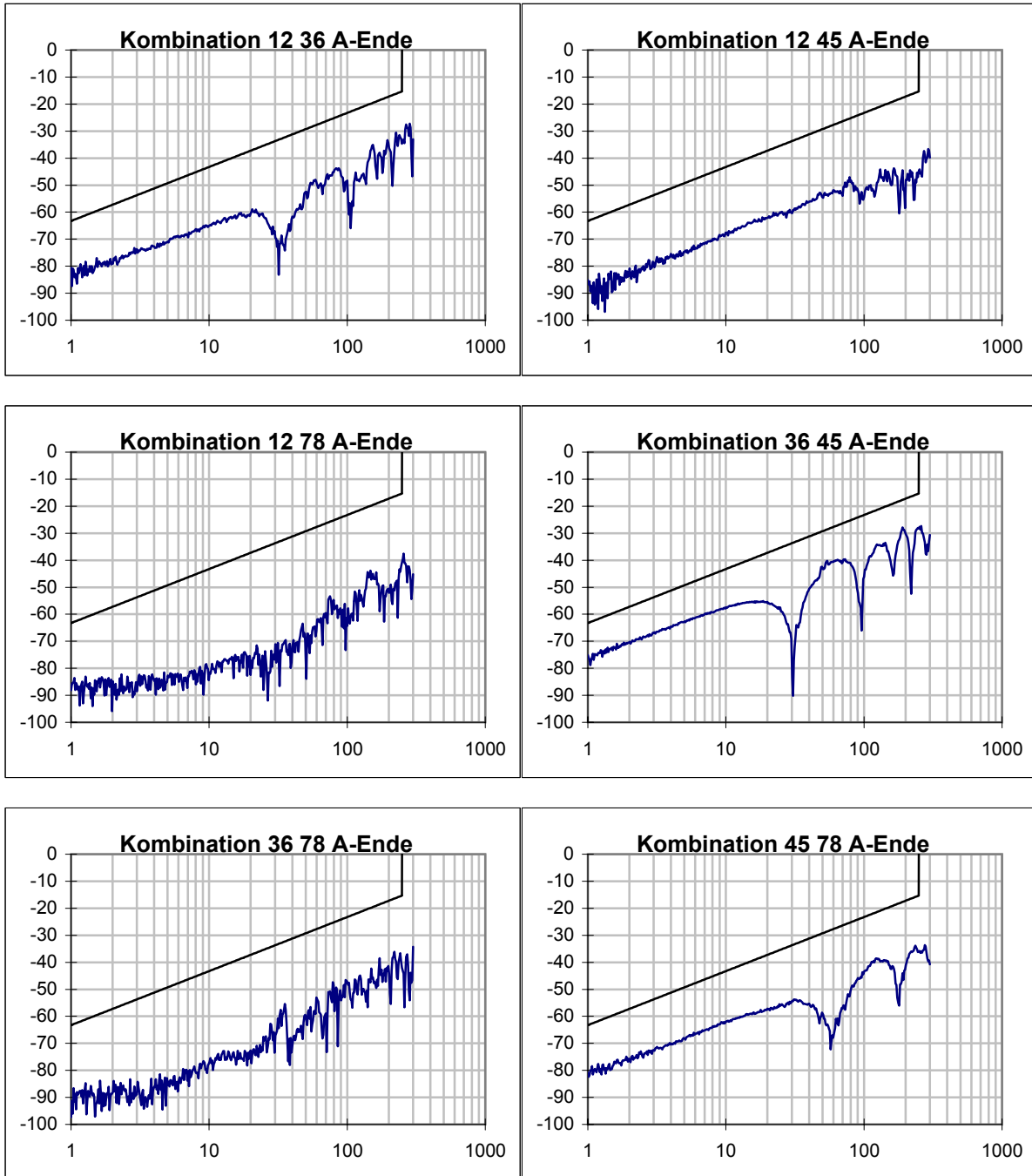


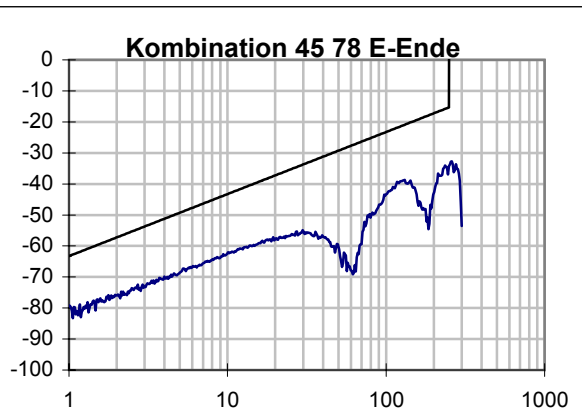
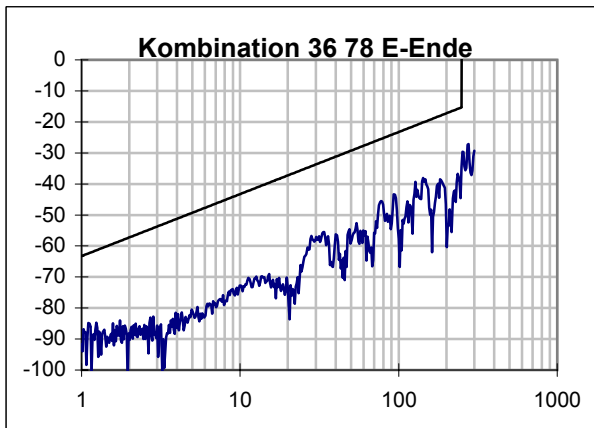
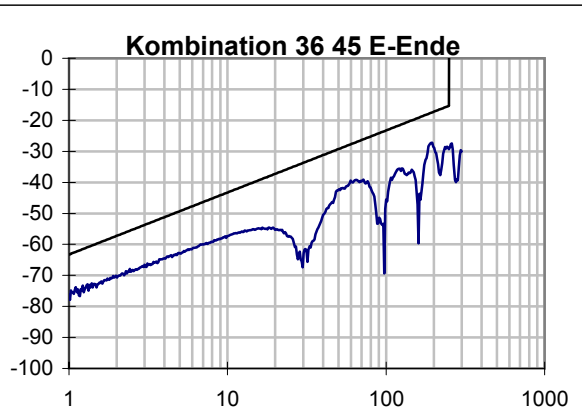
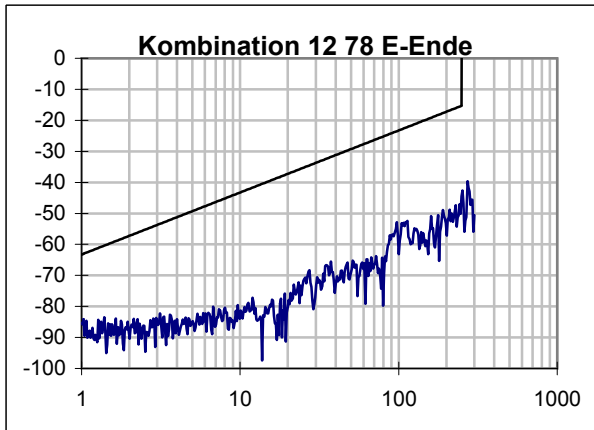
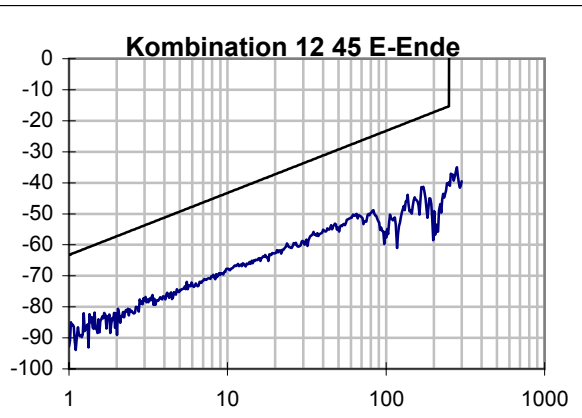
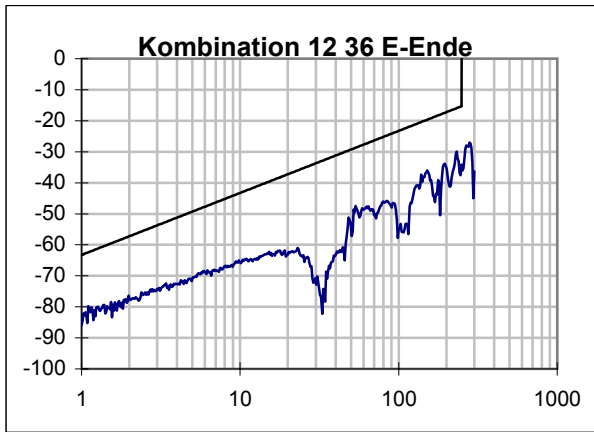


# PSNEXT / dB

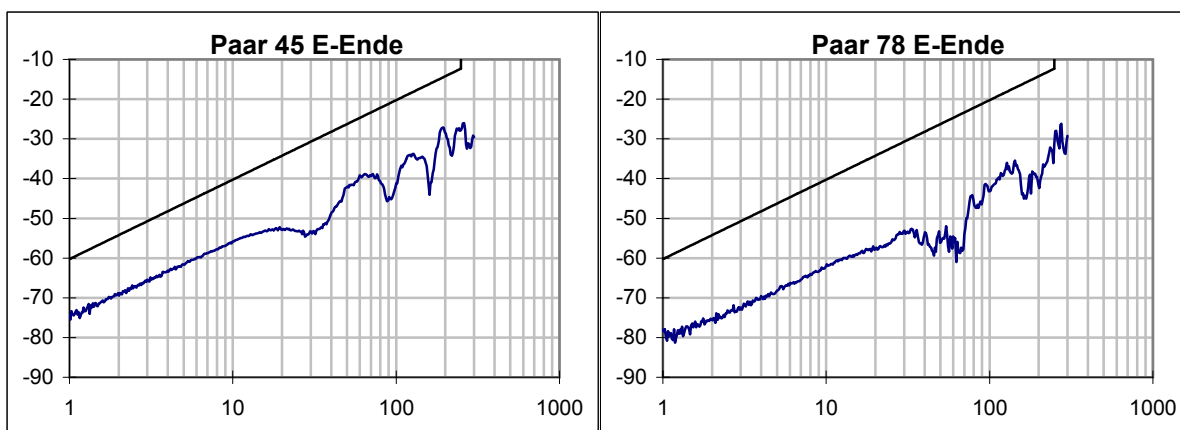
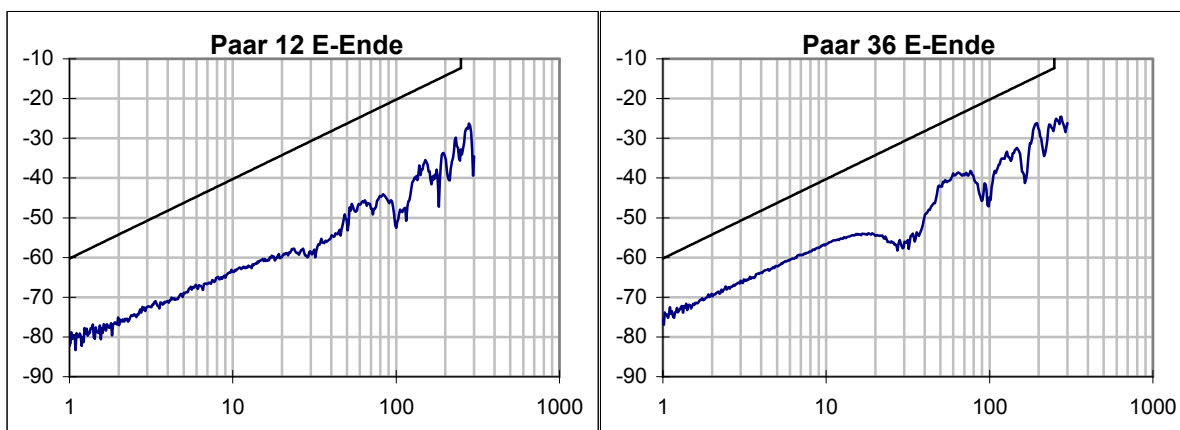
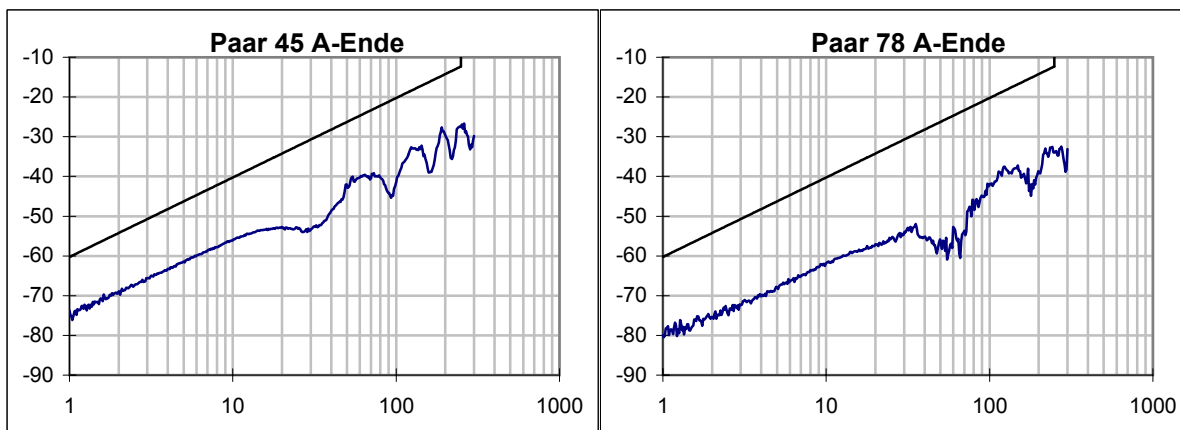
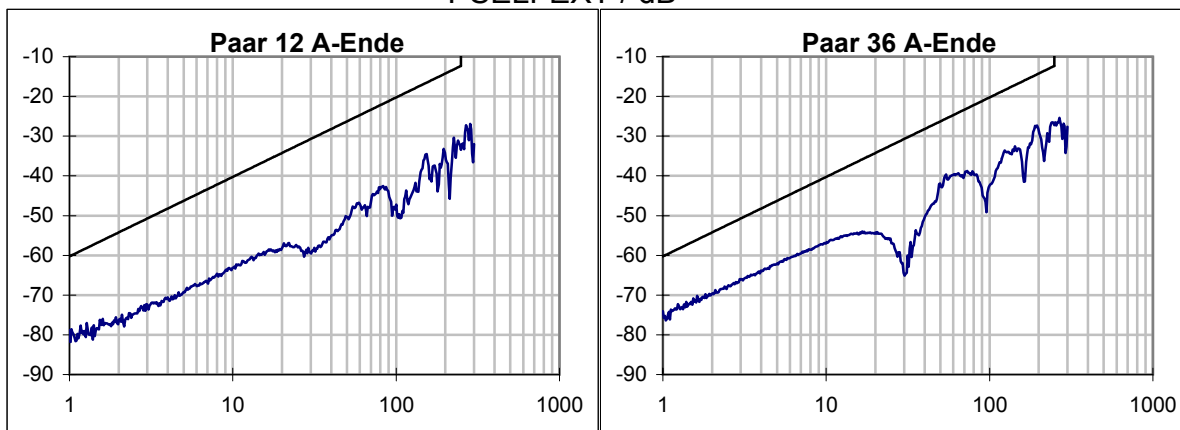


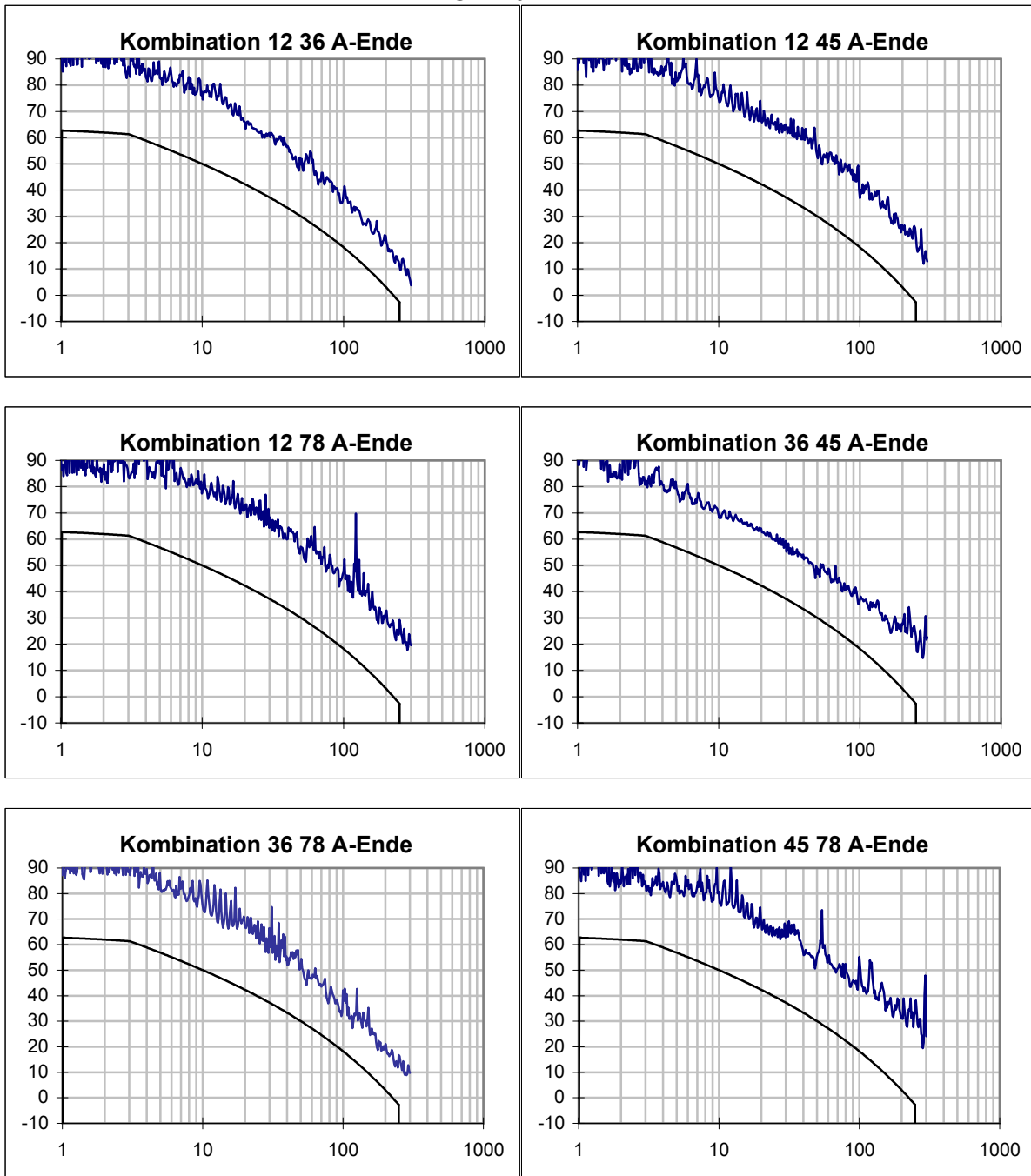
# ELFEXT / dB



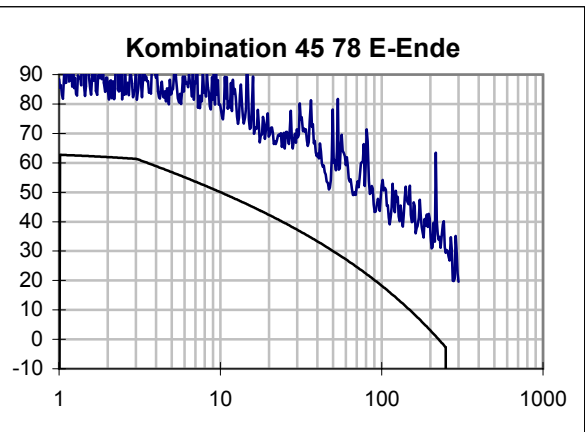
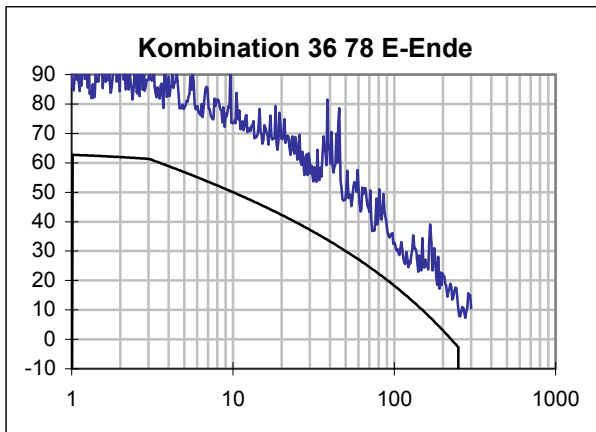
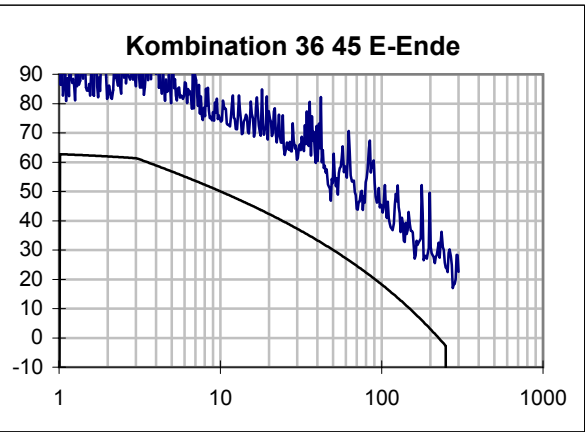
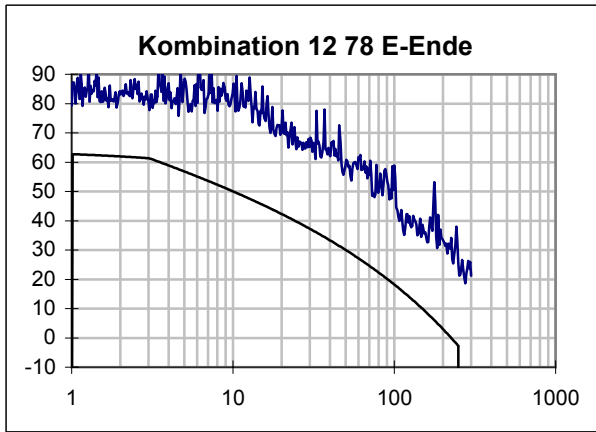
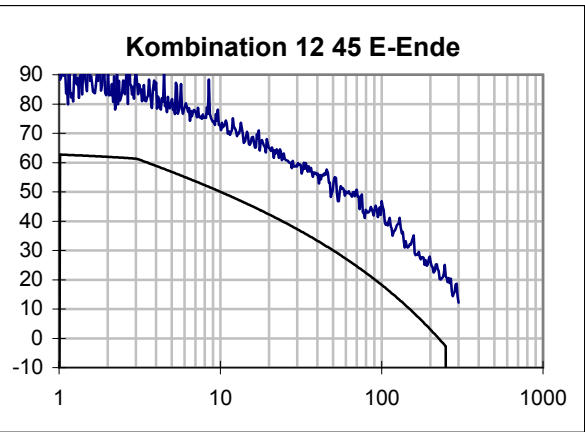
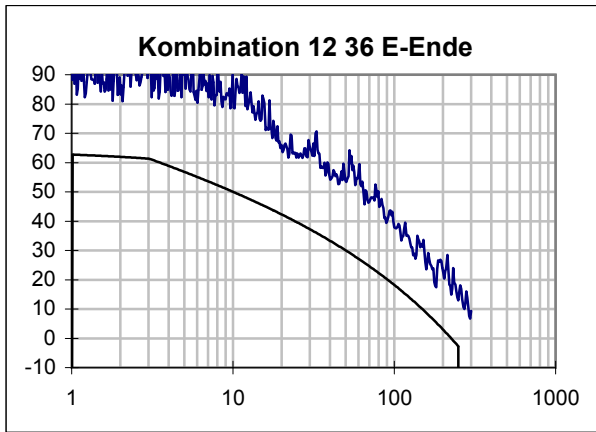


# PSELFEXT / dB

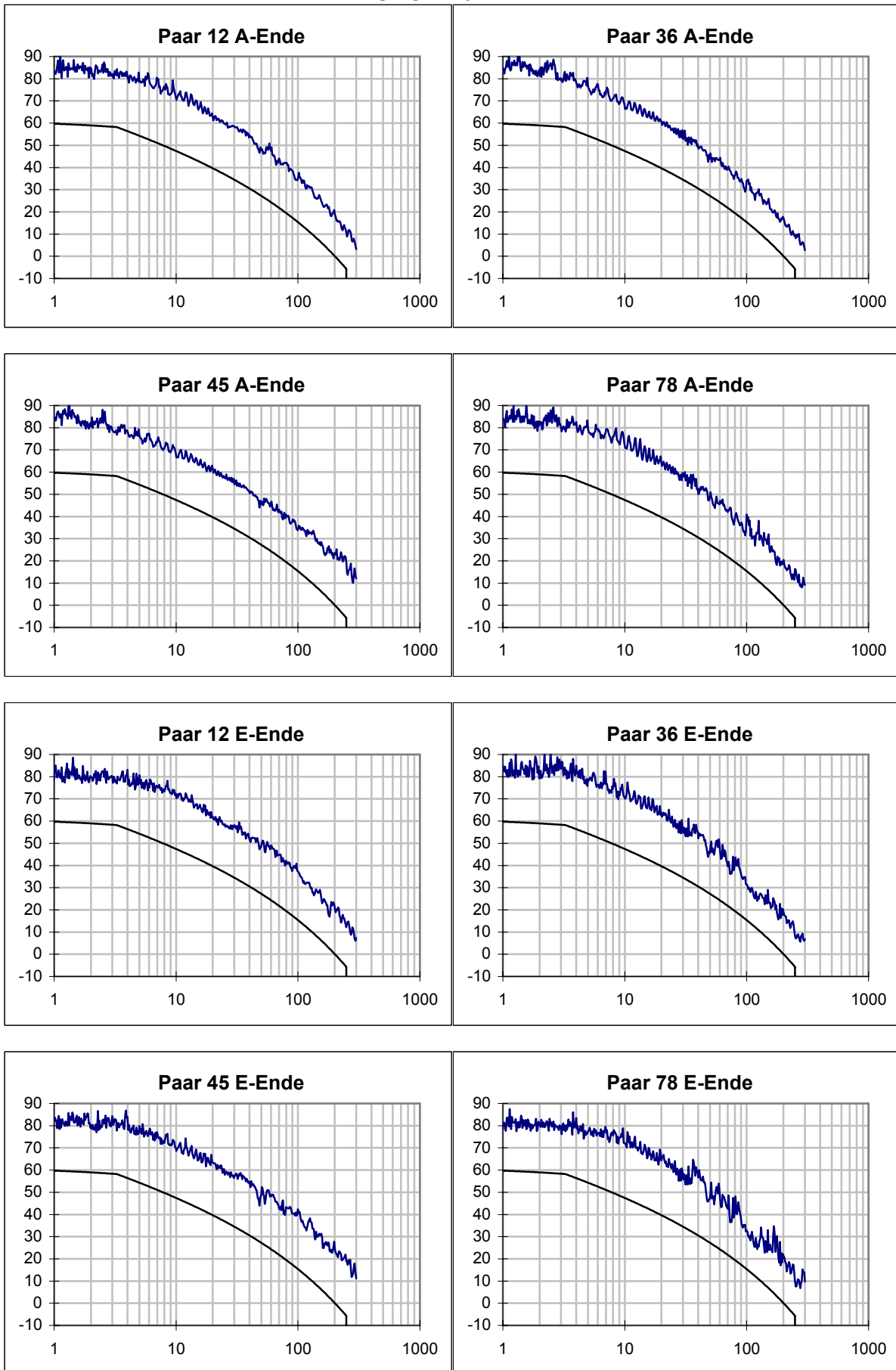




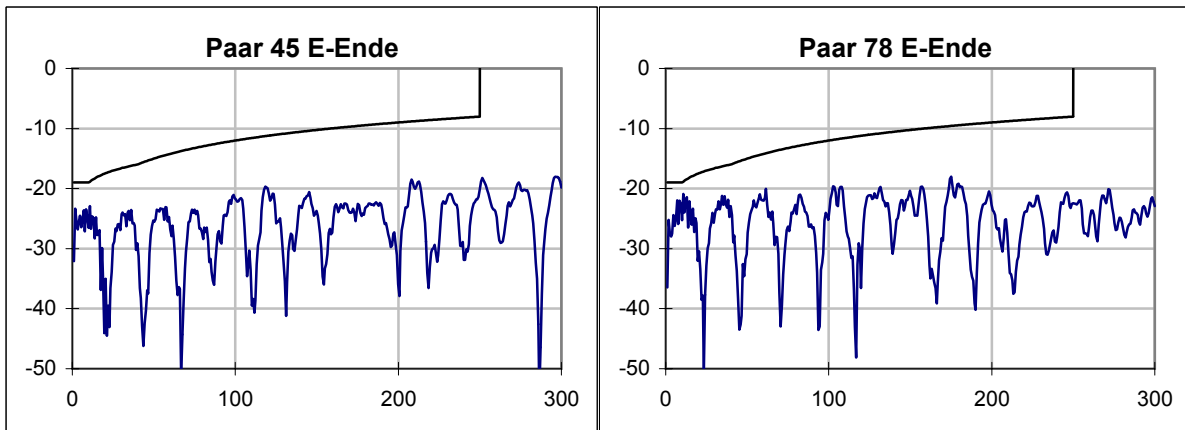
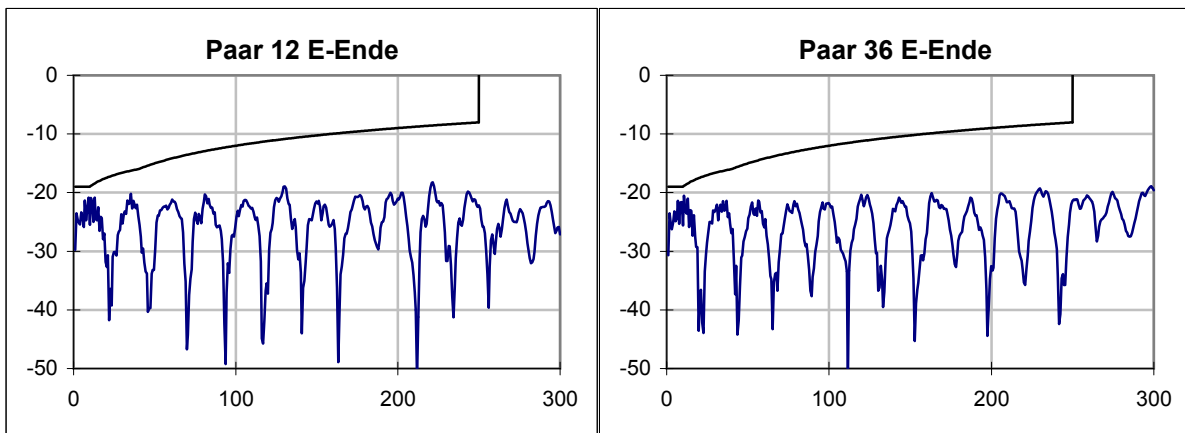
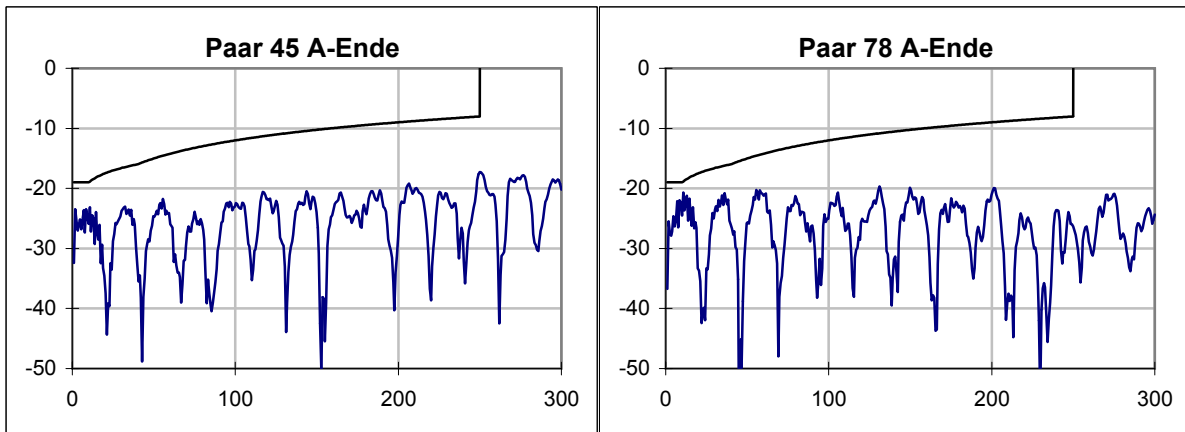
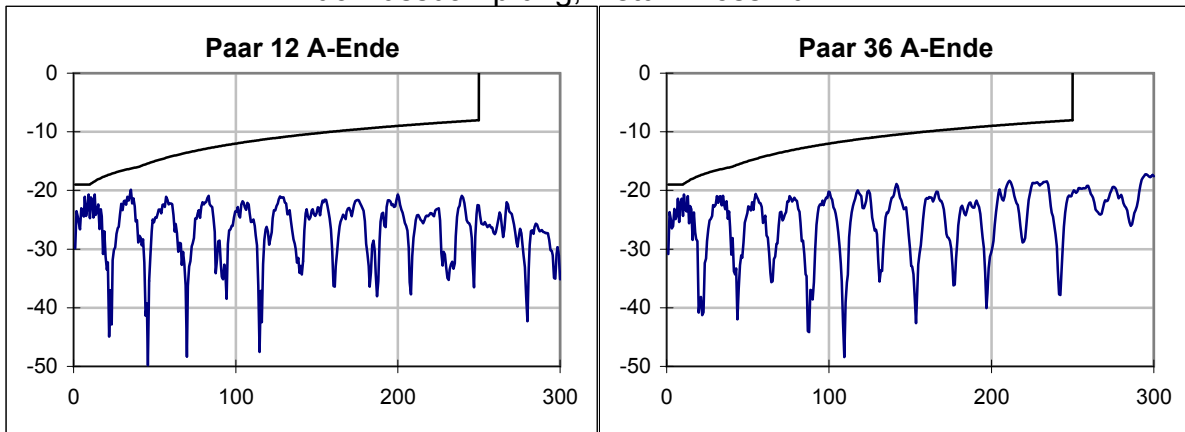




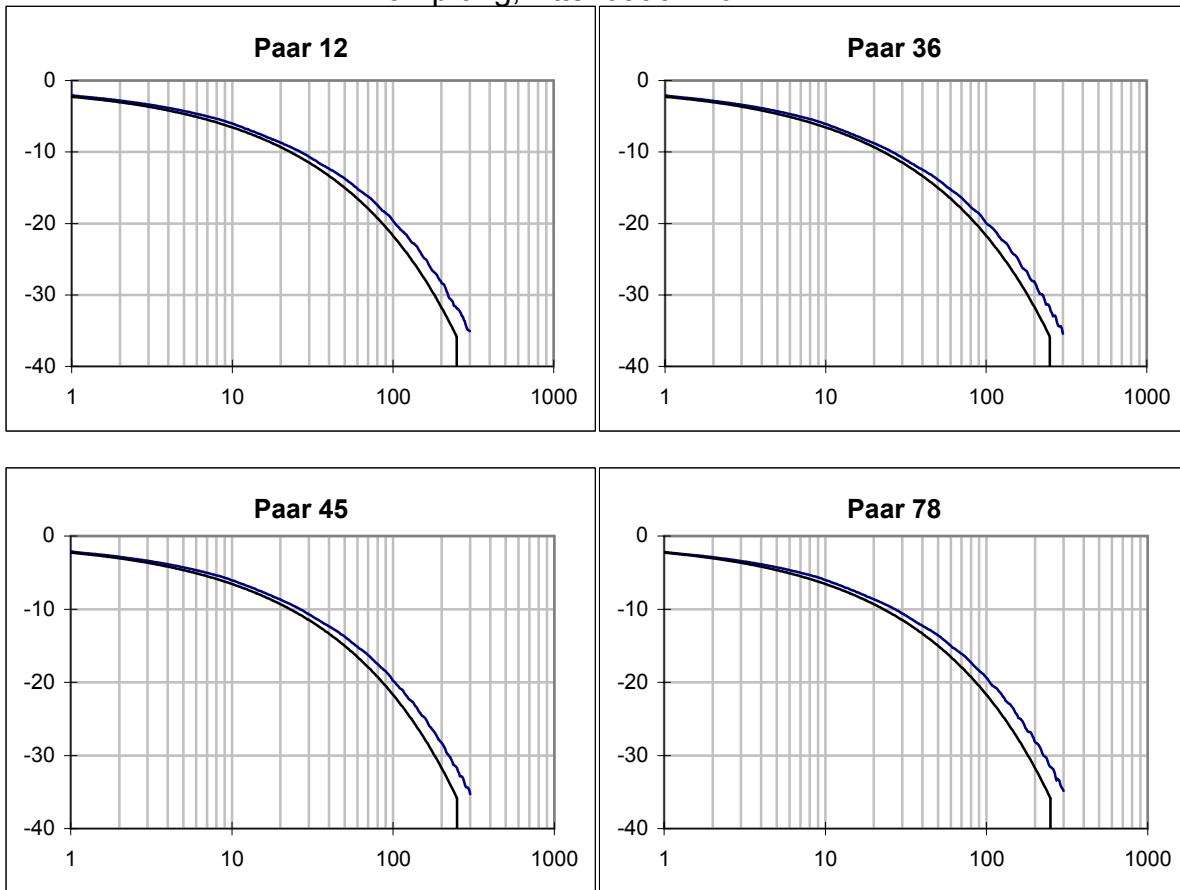
# PSACR / dB



# Rückflusdämpfung, Return Loss / dB



## Dämpfung, Attenuation / dB



## Laufzeit, Delay / ns

