

**Channel-Messung**

**Aufbau:**

Patch-Kabel A-Ende:	<b>5 m UC600 SS27 4P (Steward High-Speed-Stecker)</b>	Datum:	<b>29.07.99</b>
Komponente A-Ende:	<b>Quante Cat.6 modular (P28203AA)</b>	Prüfer:	<b>Dr. C. Pfeiler</b>
Tertiärkabel:	<b>90 m UC400 S24 4P</b>	Datei:	<b>s4quaste.xls</b>
Komponente E-Ende:	<b>Quante Cat.6 modular (P28203AA)</b>		
Patch-Kabel E-Ende:	<b>5 m UC600 SS27 4P (Steward High-Speed-Stecker)</b>		

Frequenz: 1-600 MHz (401 Meßpunkte)  
 Meßgeräte: HP8753, KRMZ 1200  
 Bewertung gegen Class: **E**

**Resultat:** Der Channel entspricht Class E nach E-ISO 11801.  
 Das ACR wird negativ bei 278 MHz.

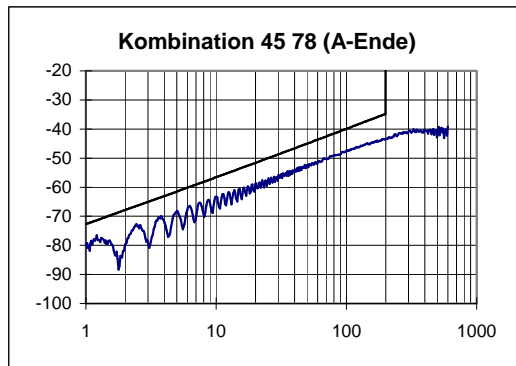
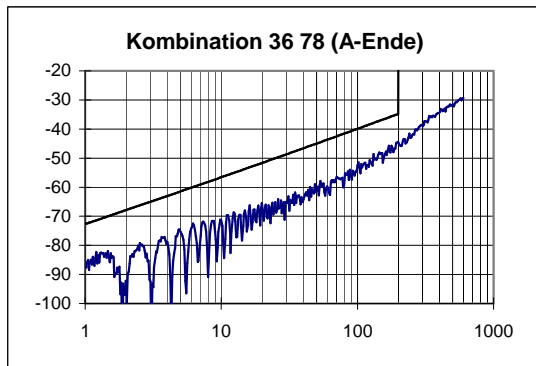
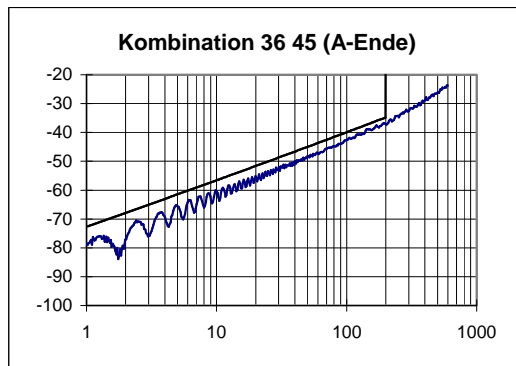
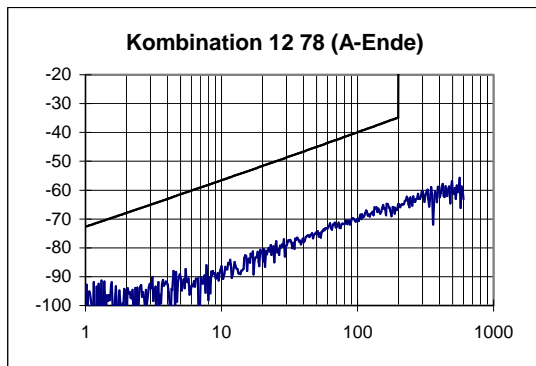
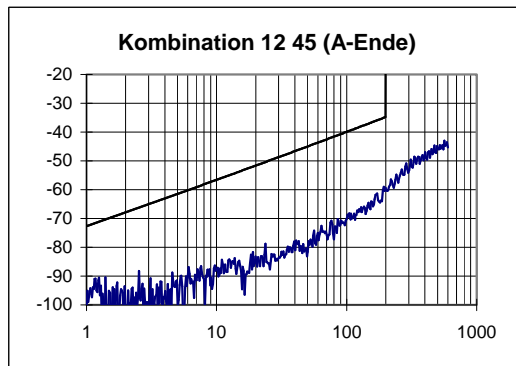
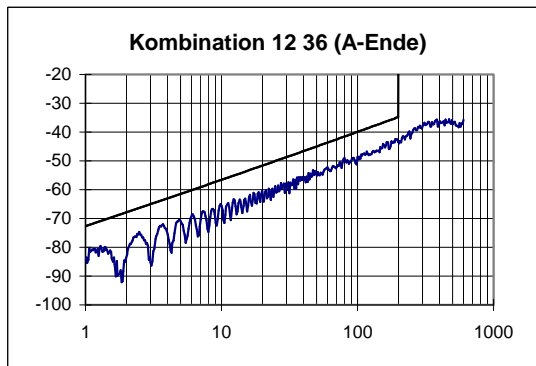
gepr.



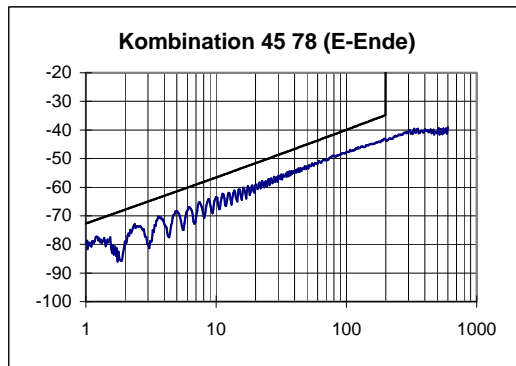
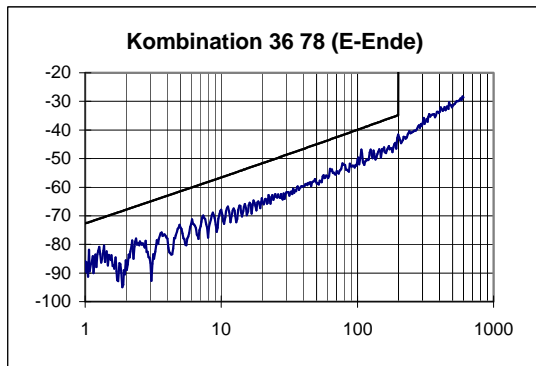
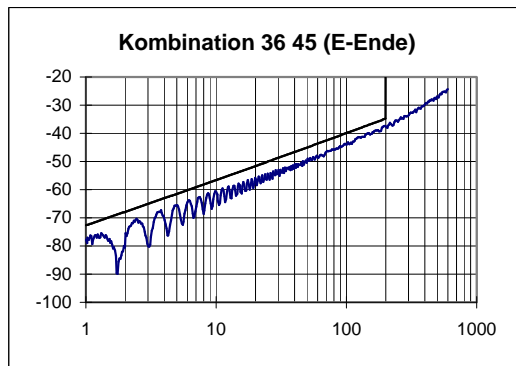
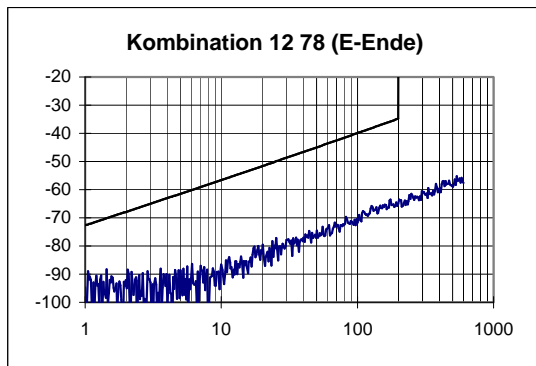
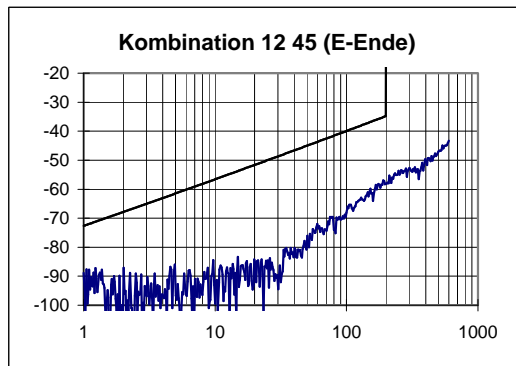
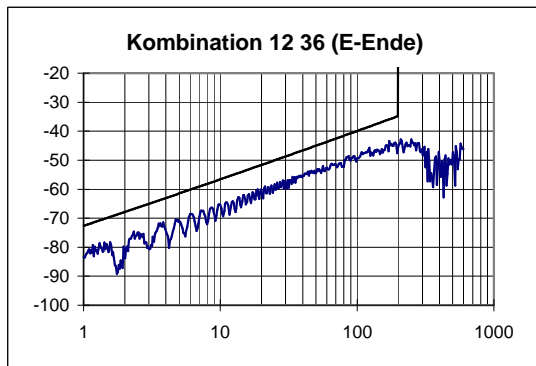
**Übersicht Ergebnis:**

Paar	12	36	45	78	Grenzwert	max. skew/ns	Grenzw.
max. Laufzeit / ns	448,0	457,0	443,0	448,0	544	16,0	50
Dämpfung @ 100MHz/dB	19,50	19,20	19,20	18,70	21,7		
Dämpfung @ 200MHz/dB	28,40	28,40	28,00	27,10	31,7		
min PSNEXT-Res. / dB	9,60	3,08	3,52	6,54			
@ f / MHz	1,31	193,00	142,00	1,21			
PSNEXT Gr. / dB	68,40	32,12	34,44	68,96			
PSNEXT @ 100 MHz	48,6	41,3	41,4	45,8	37,1		
PSNEXT @ 200 MHz	43,3	35,6	36,2	39,3	31,9		
min PSELFEXT-Res. / dB	15,62	12,73	13,52	18,51			
@ f / MHz	1,07	1,08	1,14	131,00			
PSELFEXT Gr. / dB	59,63	59,55	59,08	17,88			
PSELFEXT @ 100 MHz	39,0	36,1	39,4	45,8	20,2		
PSELFEXT @ 200 MHz	41,8	36,6	36,5	39,3	14,2		
min PSACR-Reserve / dB	9,8	4,9	4,5	6,7			
@ f / MHz	1,3	6,1	1,2	1,2			
PSACR Grenz. / dB	65,9	52,4	66,6	66,6			
PSACR @ 100 MHz	30,1	23,1	23,5	27,5	15,4		
PSACR @ 200 MHz	17,2	7,7	8,5	13,9	0,1		
min RL-Reserve / dB	5,5	4,7	4,7	3,5			
@ f / MHz	4,0	10,0	4,0	4,0			
RL Grenzwert / dB	19,0	19,0	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	7,23	15,27	16,67	1,51	6,78	5,25	
@ f / MHz	190,00	1,05	1,05	170,00	199,00	1,21	
NEXT @ 100 MHz	48,7	68,1	70,7	42,6	50,4	47,4	39,9
NEXT @ 200 MHz	43,4	58,1	64,8	37,1	41,6	43,3	34,8
min ELFEXT-Res. / dB	13,5	20,3	21,7	10,6	15,6	20,3	
@ f / MHz	1,1	1,4	1,0	157,0	131,0	1,1	
ELFEXT @ 100 MHz	39,2	55,1	57,1	39,4	46,2	60,2	23,2
ELFEXT @ 200 MHz	42,1	56,5	52,4	38,3	44,5	41,2	17,2
min ACR / dB	14,8	29,9	37,7	9,1	14,5	16,2	
@ f / MHz	196,0	190,0	199,0	196,0	199,0	199,0	
ACR @ 100 MHz	29,5	48,9	52,0	23,4	31,7	28,7	18,2
ACR @ 200 MHz	15,0	30,1	37,7	9,1	14,5	16,2	3,0

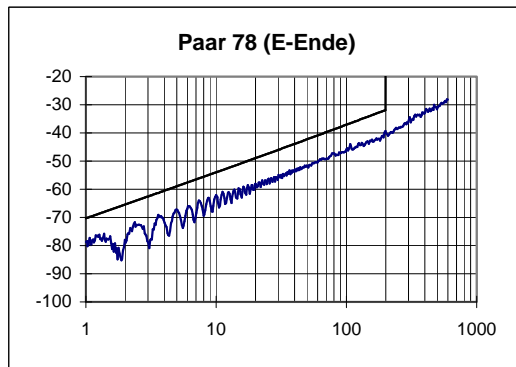
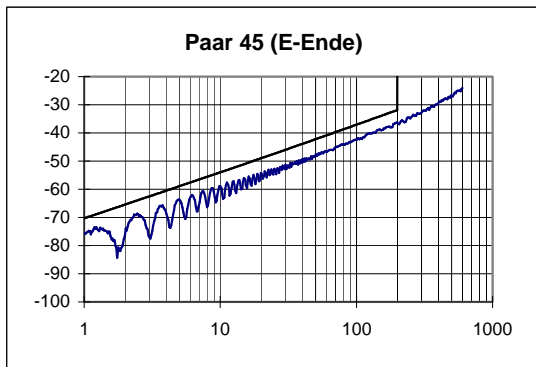
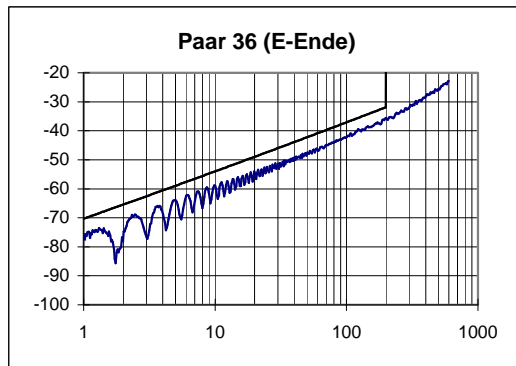
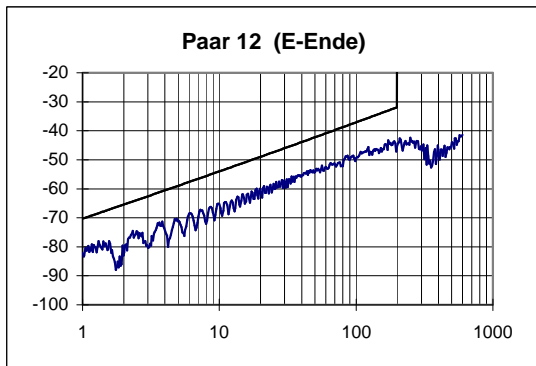
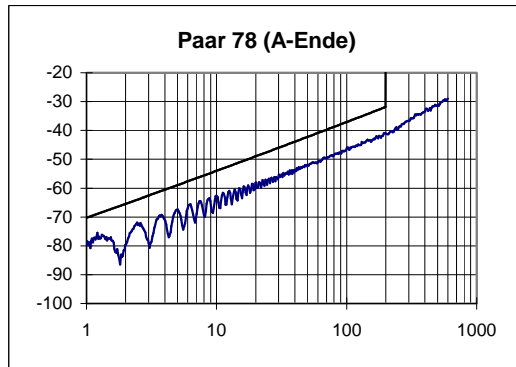
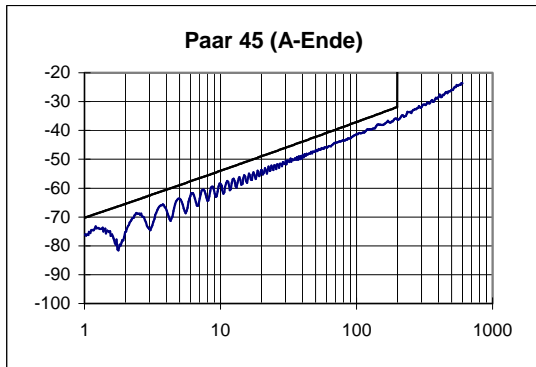
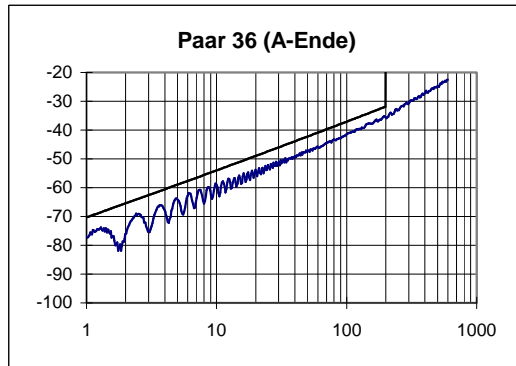
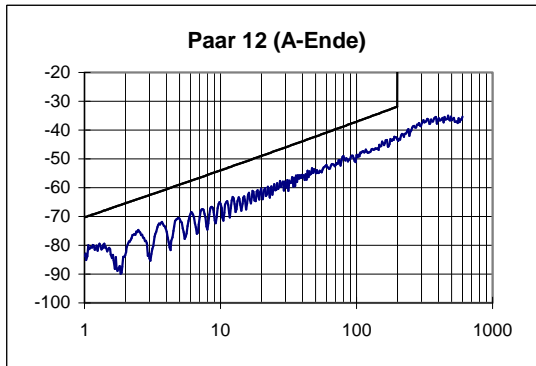
# NEXT / dB

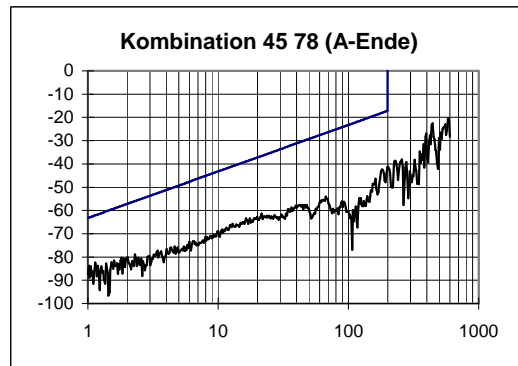
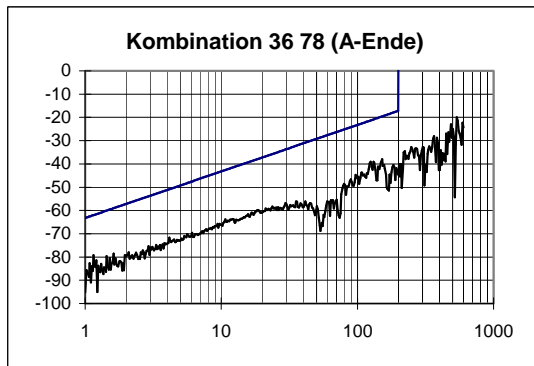
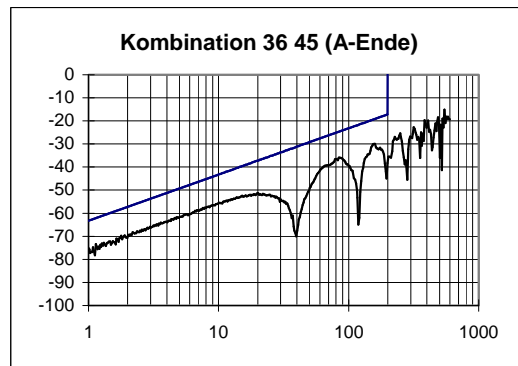
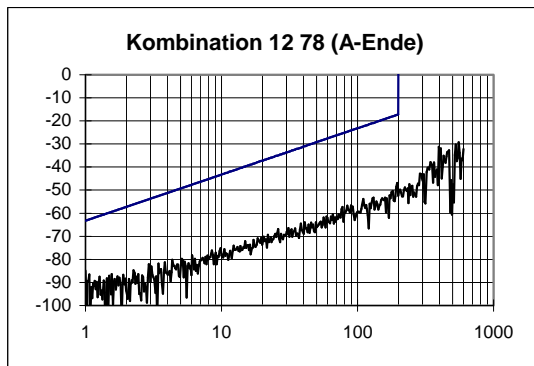
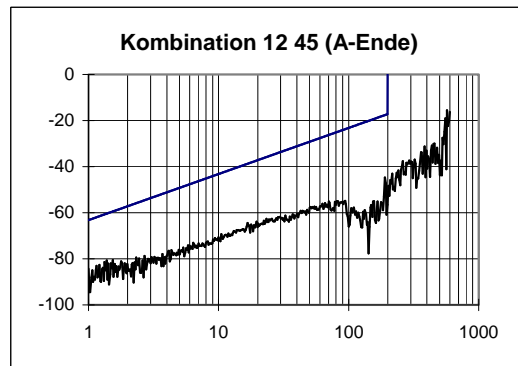
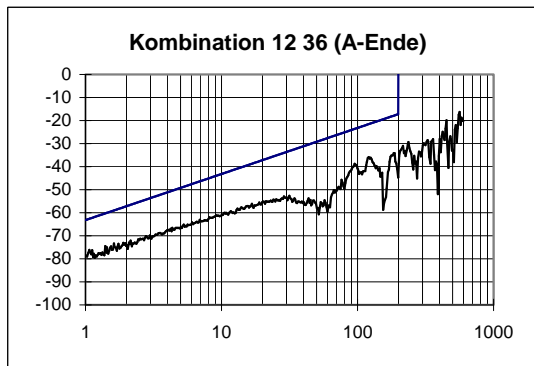


# NEXT / dB

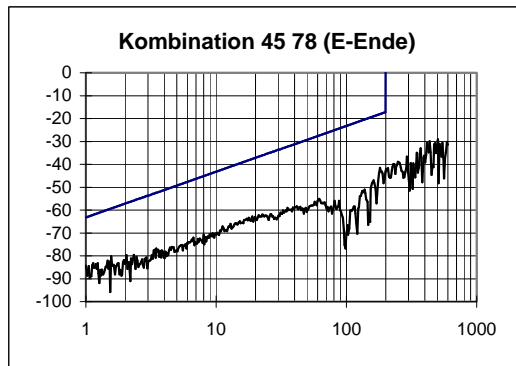
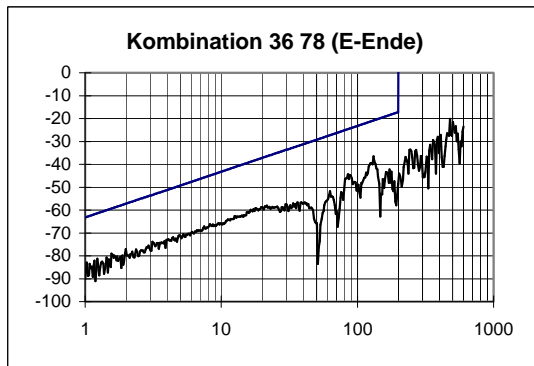
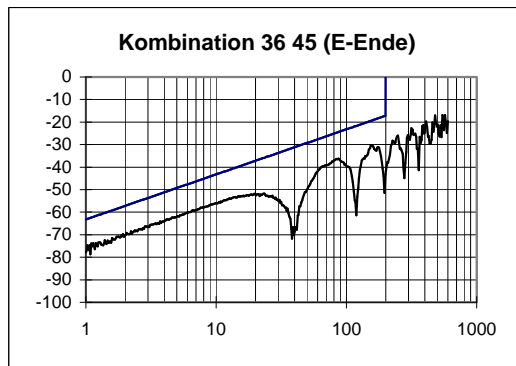
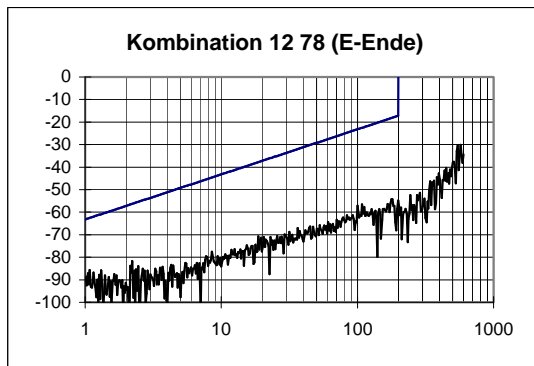
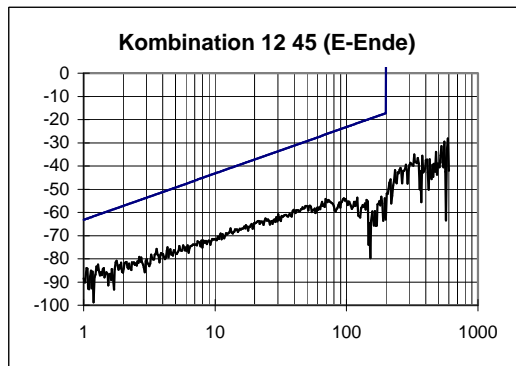
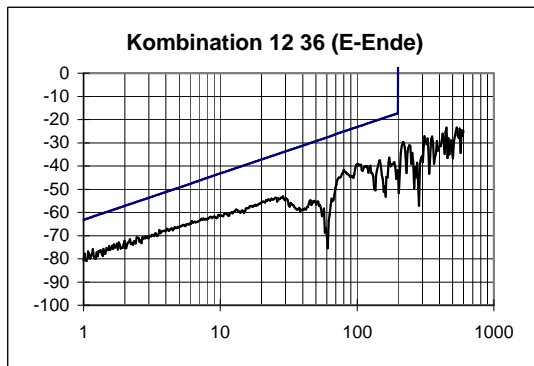


PSNEXT / dB

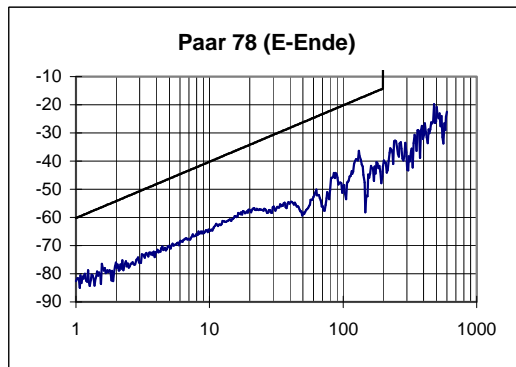
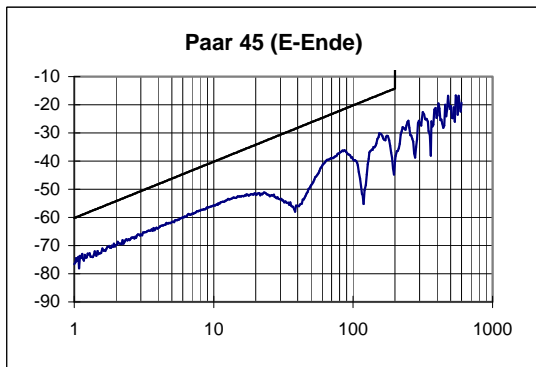
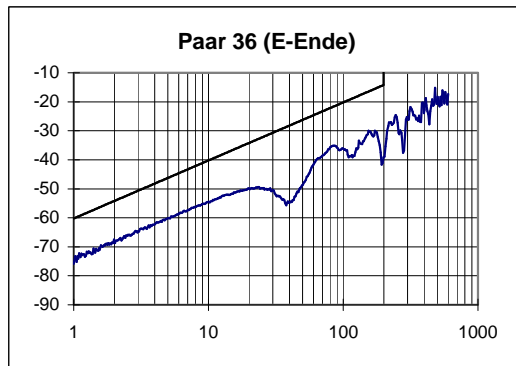
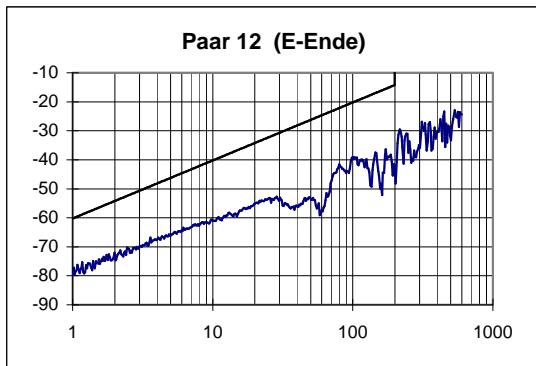
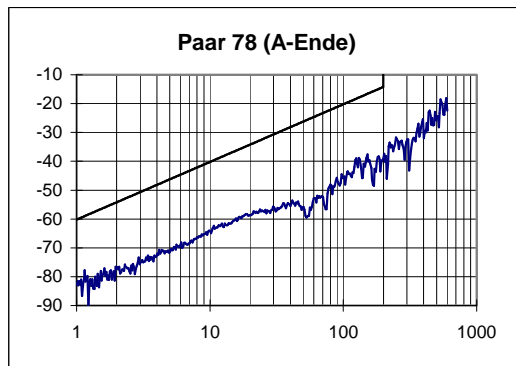
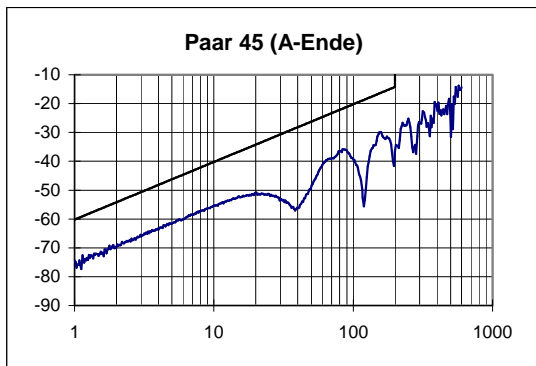
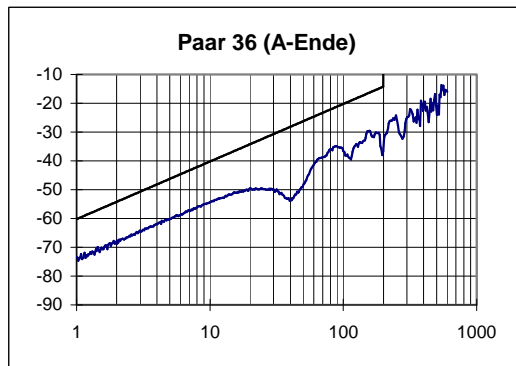
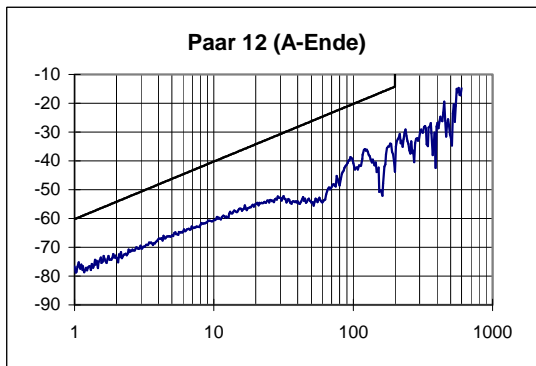




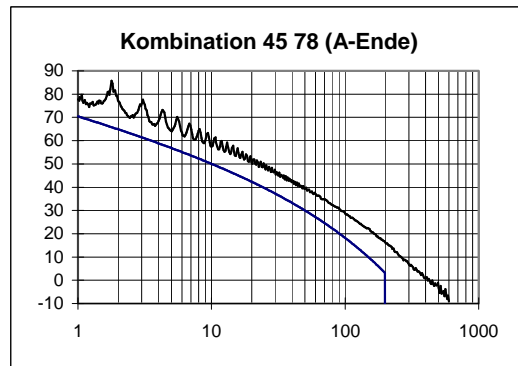
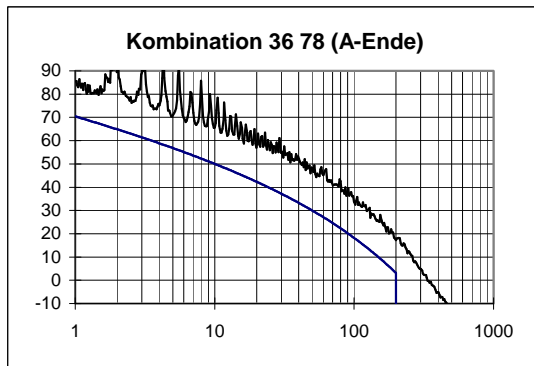
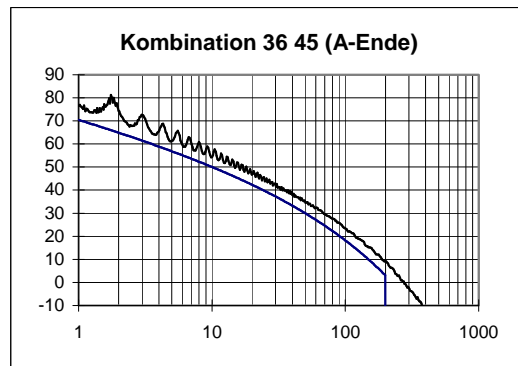
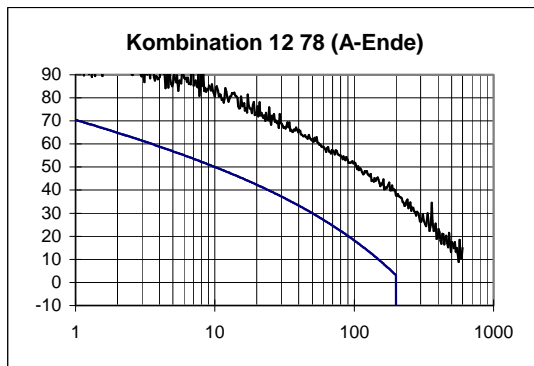
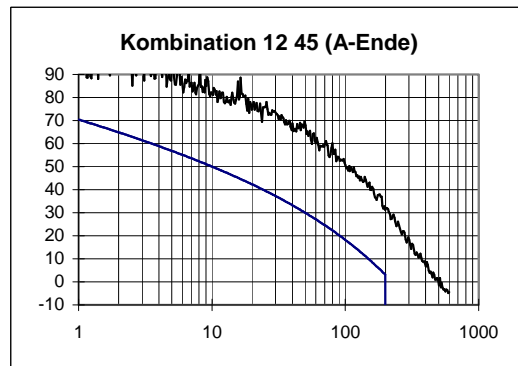
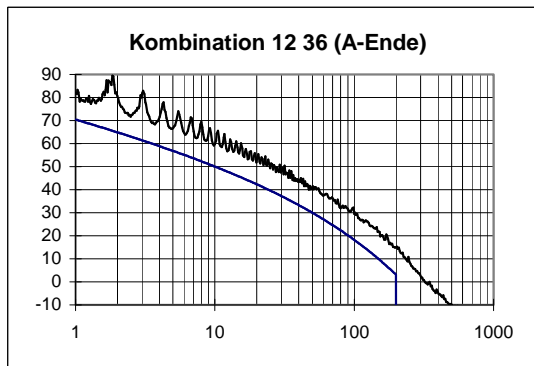
# ELFEXT / dB



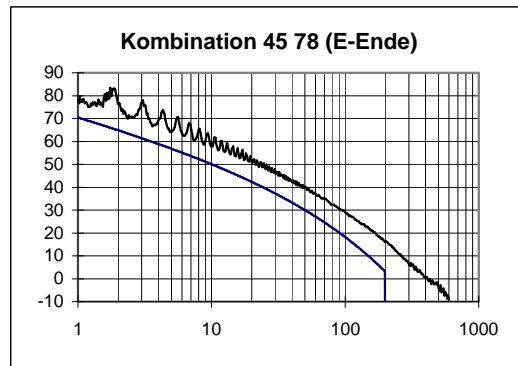
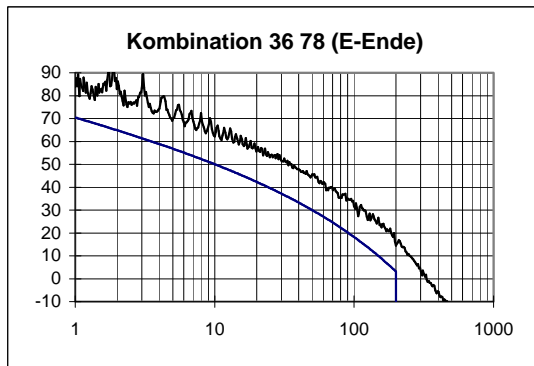
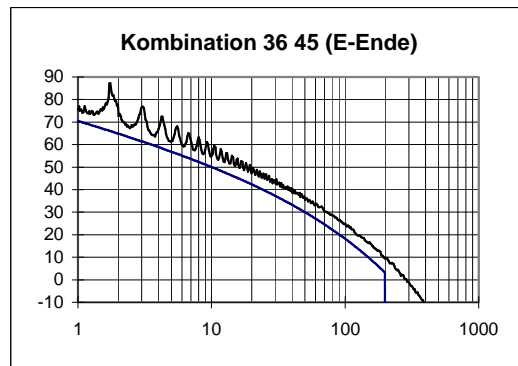
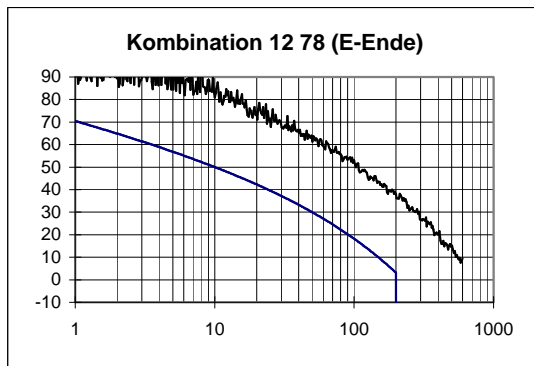
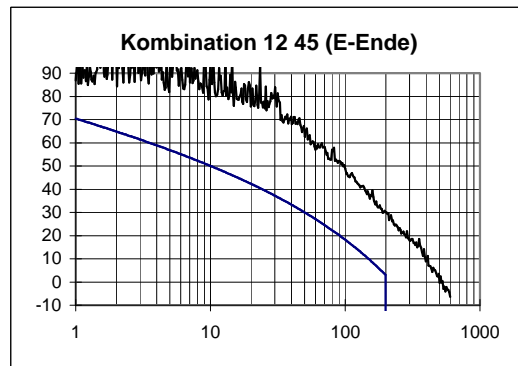
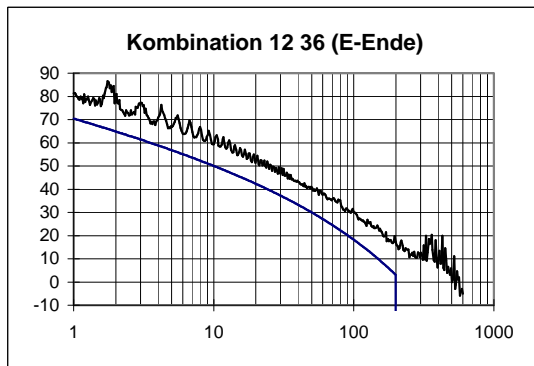
PSELFEXT / dB



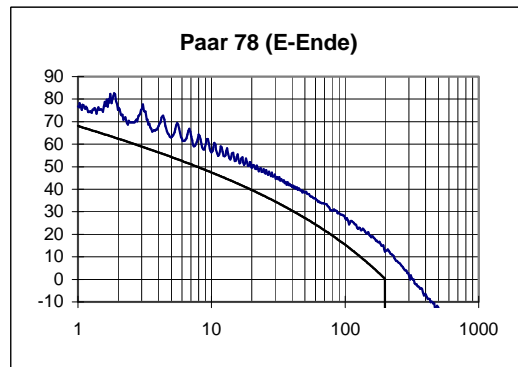
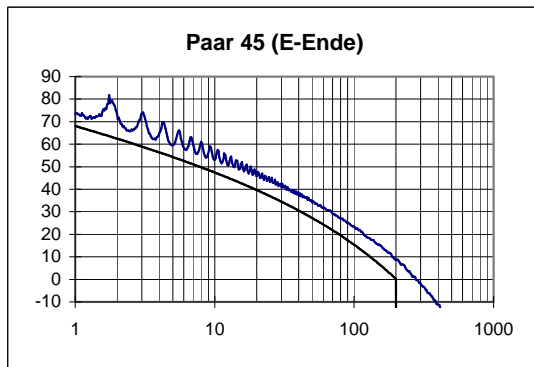
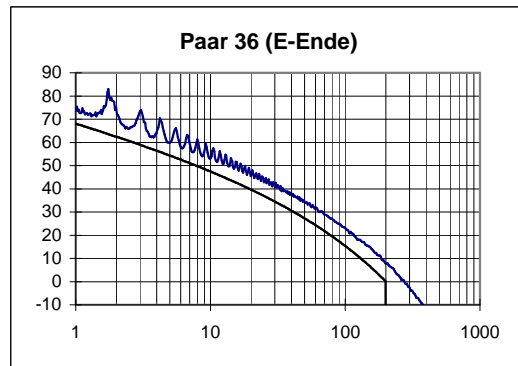
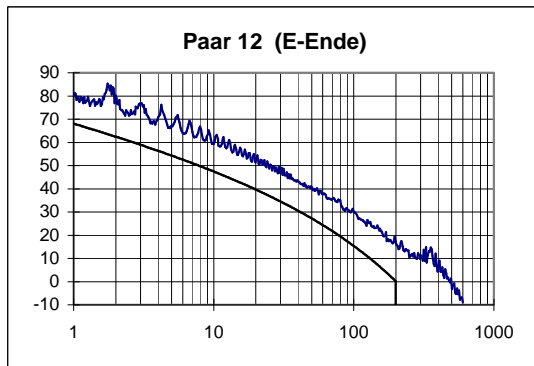
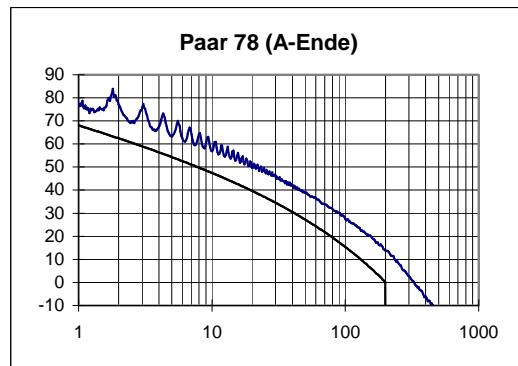
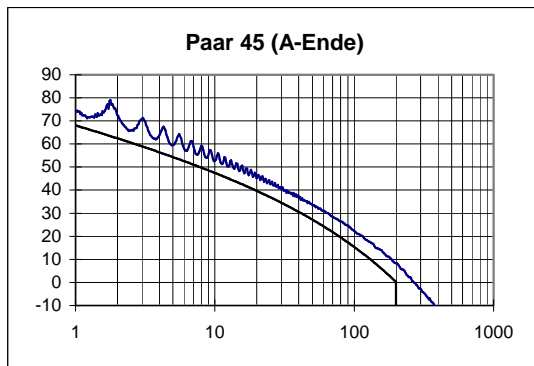
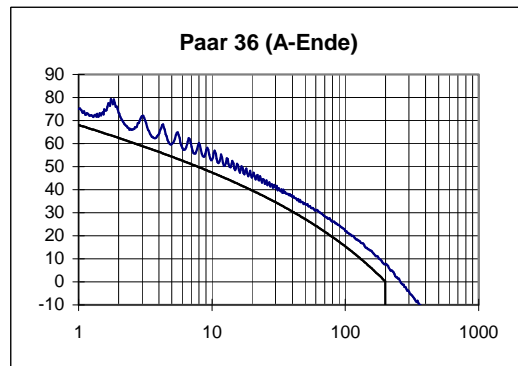
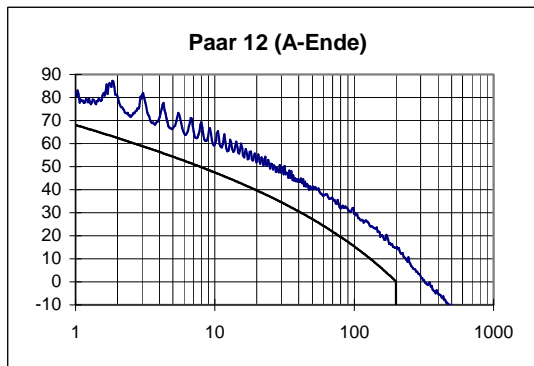
# ACR / dB



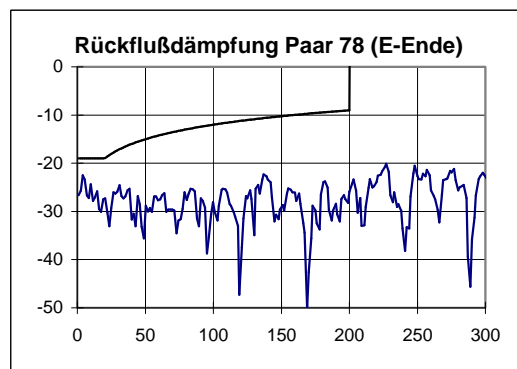
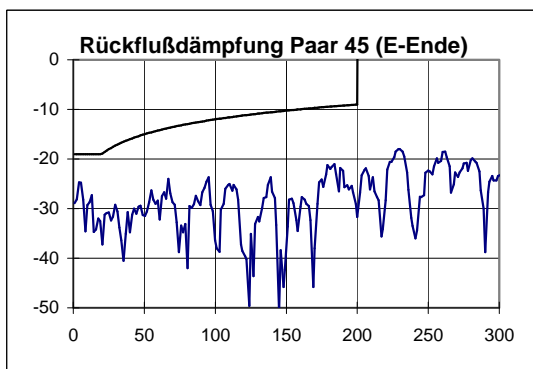
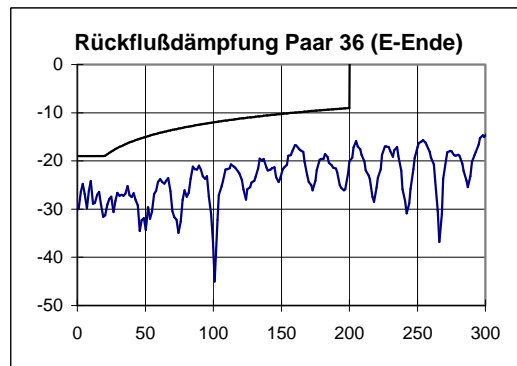
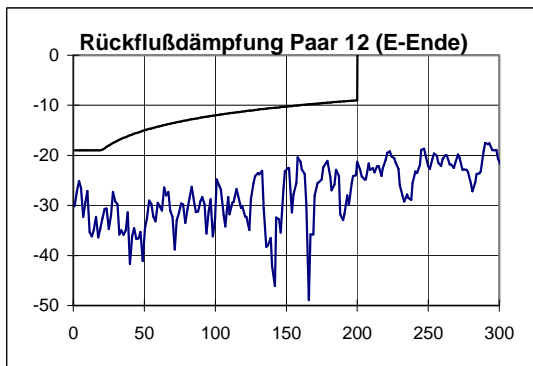
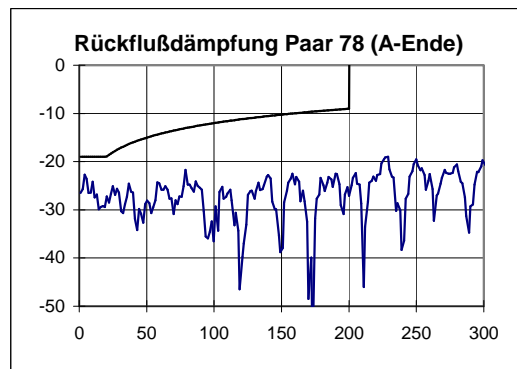
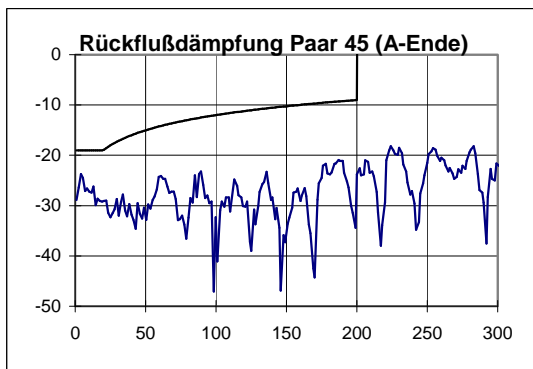
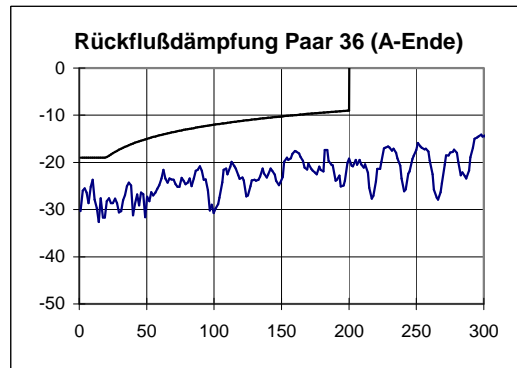
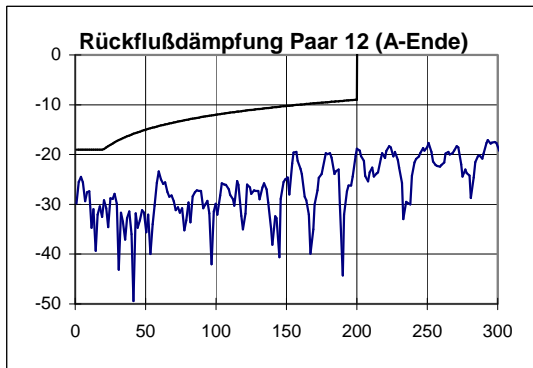
# ACR / dB



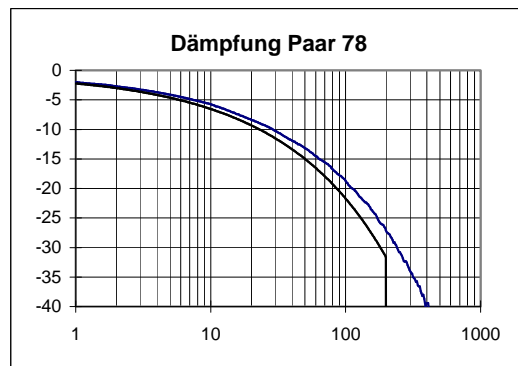
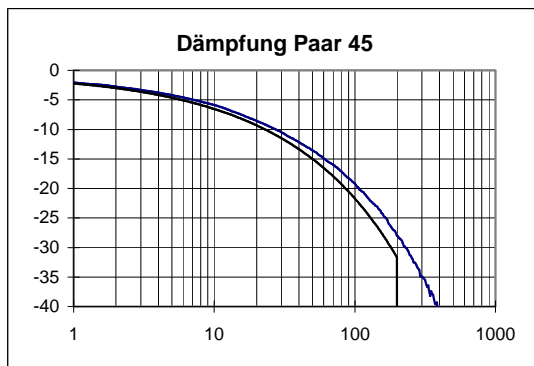
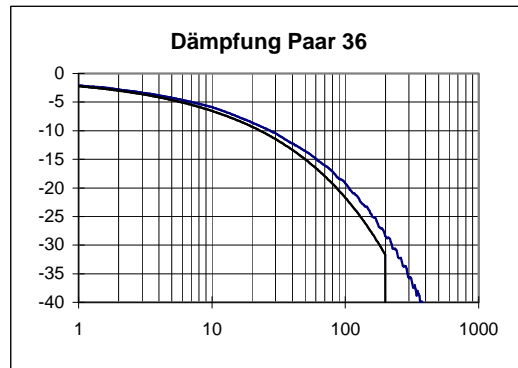
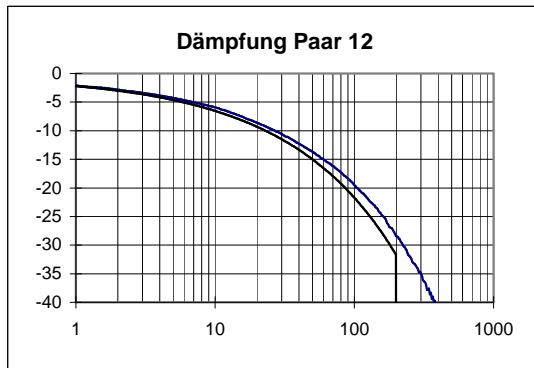
PSACR / dB



# Return Loss / dB



## Dämpfung / dB



## Laufzeit / ns

