



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 SS23/1 4P**
 Komponente E-Ende **Telegärtner VAD 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!*

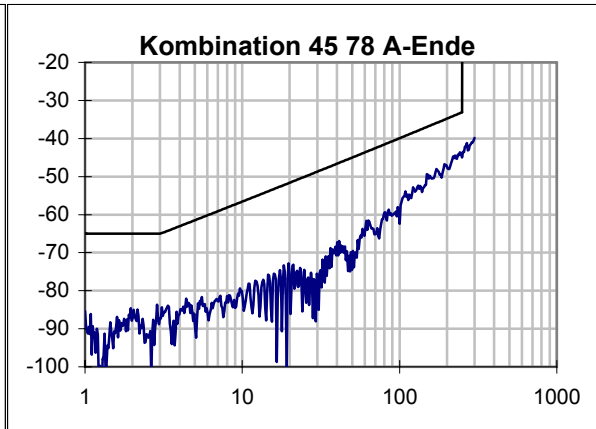
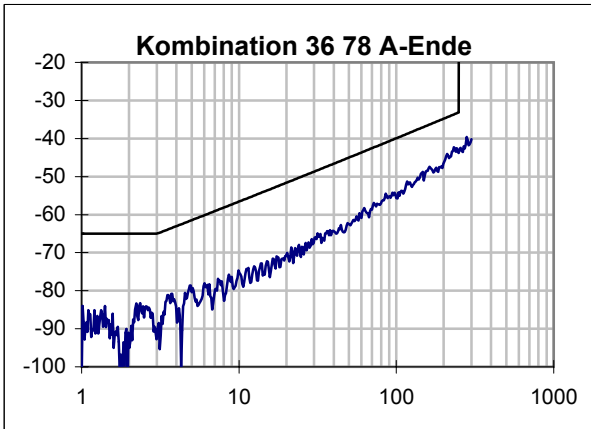
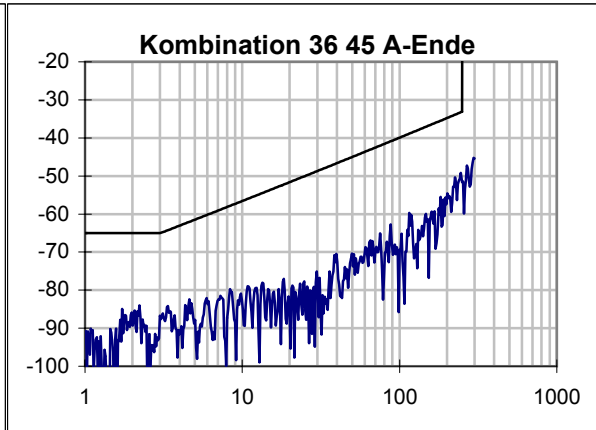
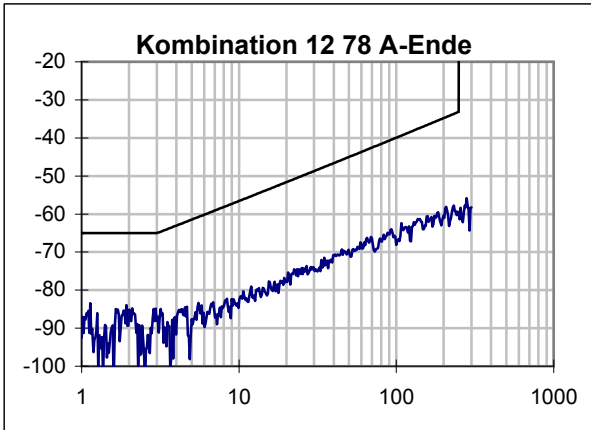
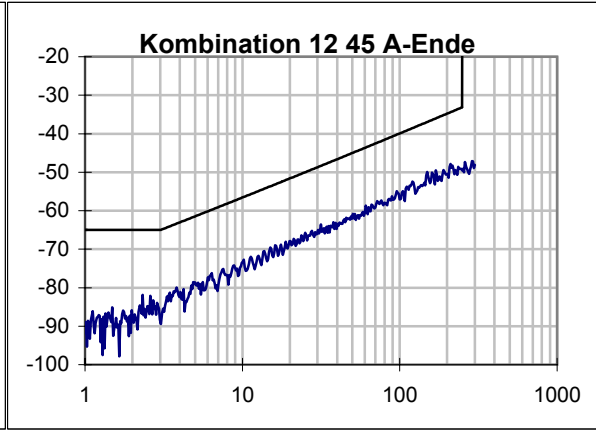
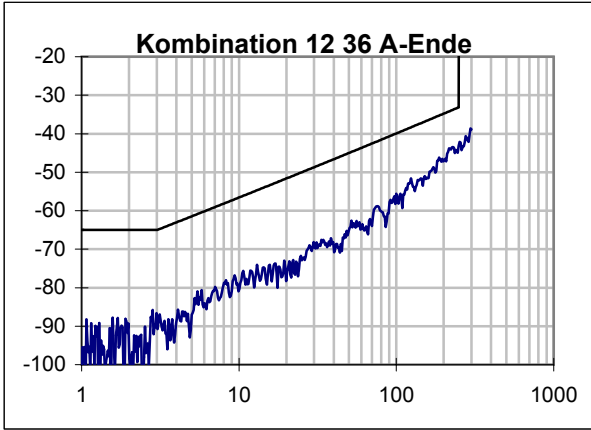
Ankerfrequenzen / MHz: 100 Datum: 20.06.2001
 250 Prüfer: Dr. C. Pfeiler
 Prüflabor: Draka Multimedia Cable
 Wohlaue Str. 15
 90475 Nürnberg

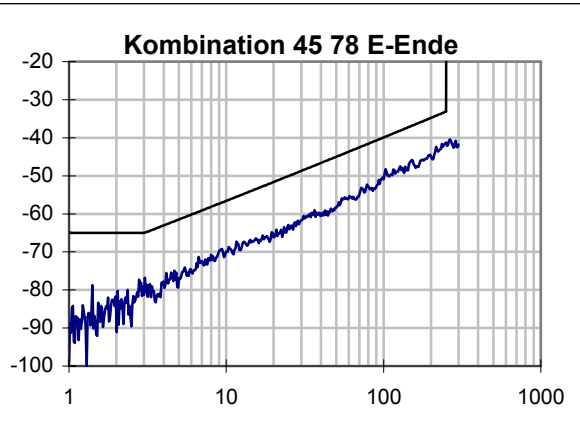
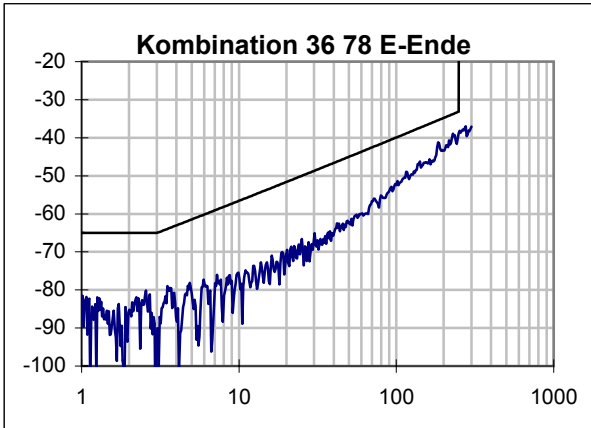
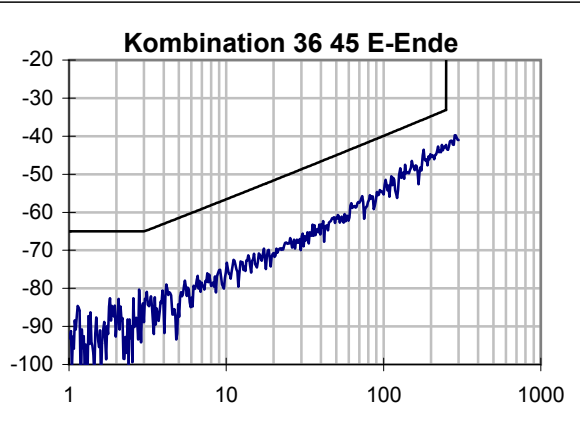
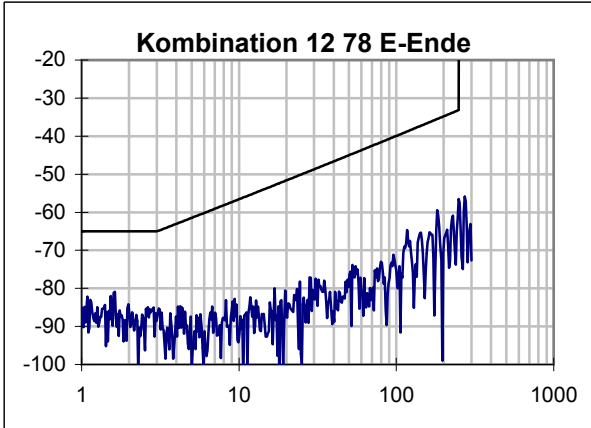
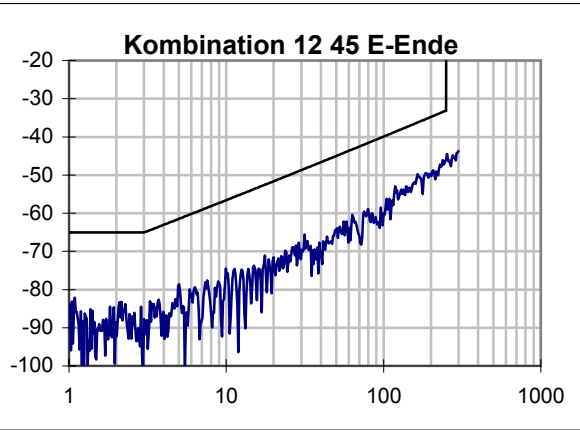
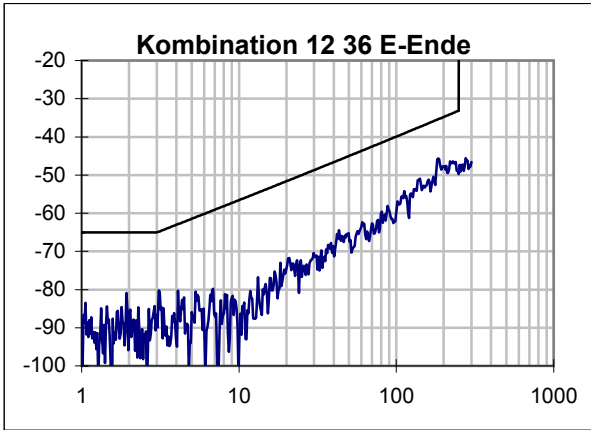
gepr.

Übersicht Ergebnis:

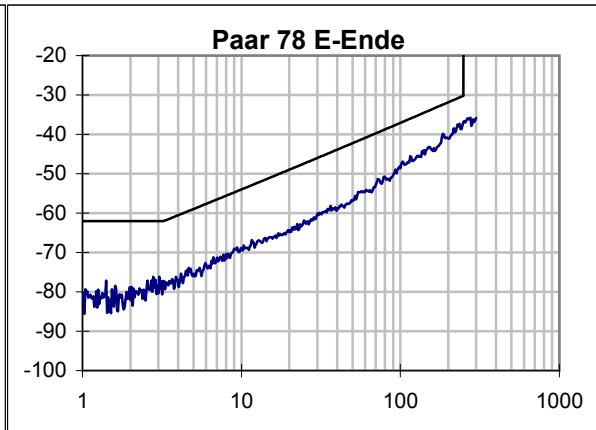
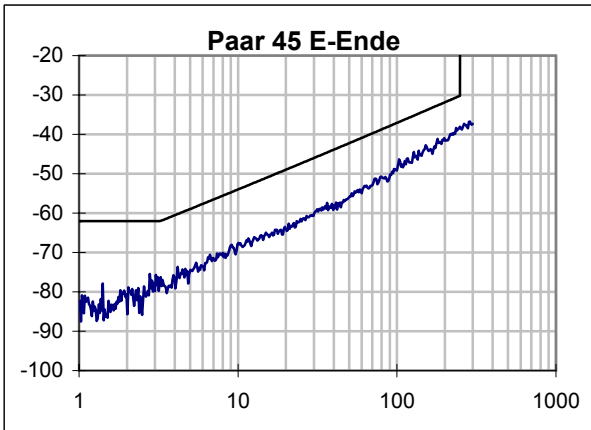
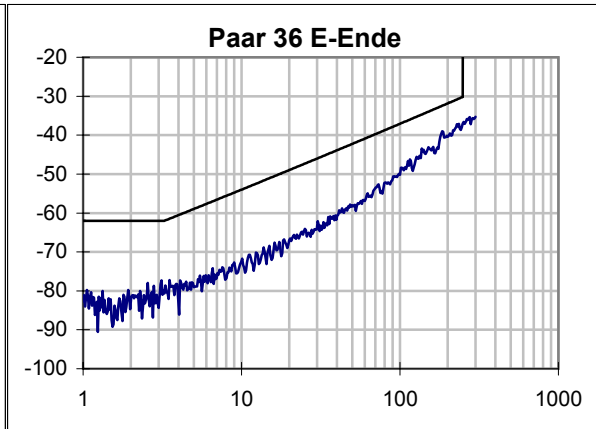
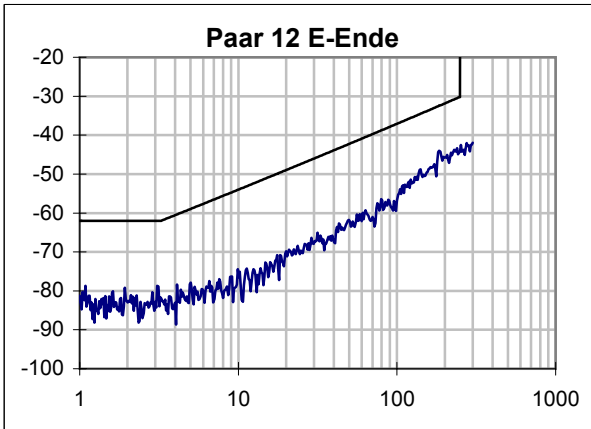
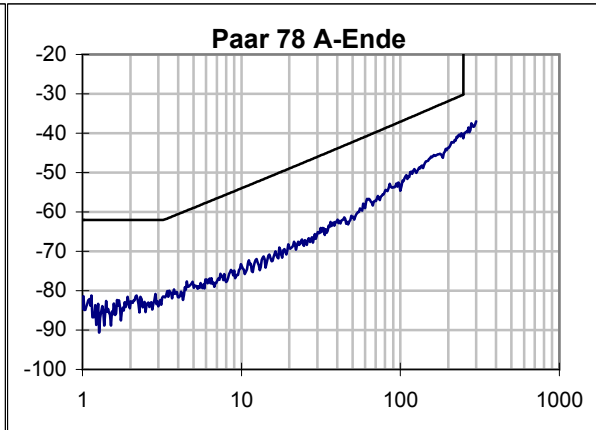
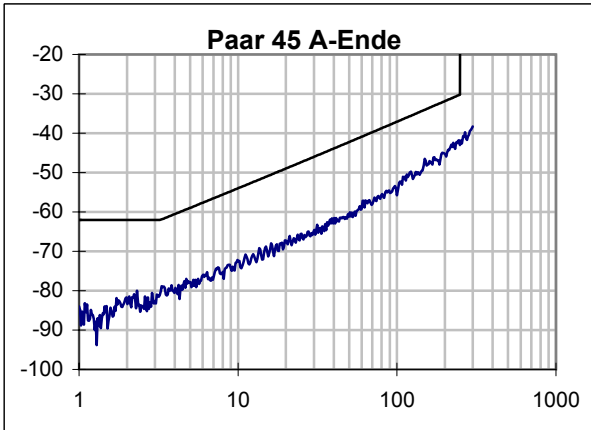
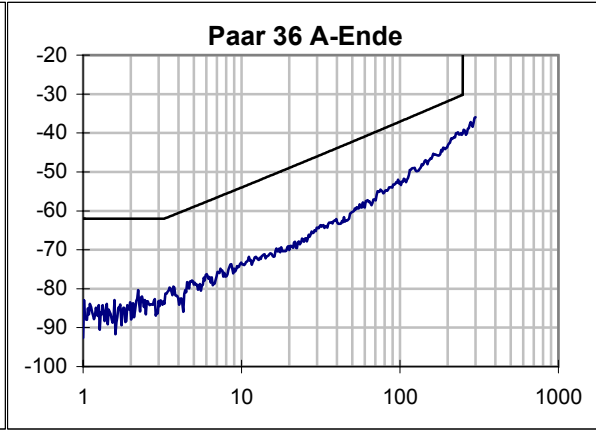
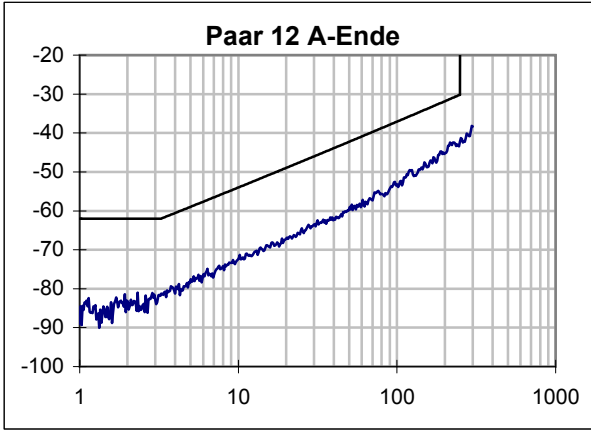
Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	449,6	452,3	446,4	446,3		10,8	50
Dämpfung @ 100MHz/dB	19,53	19,42	19,63	19,31	21,7		
Dämpfung @ 250MHz/dB	31,86	31,43	32,18	31,66	35,9		
min PSNEXT-Res. / dB	11,15	6,34	7,74	6,66			
@ f / MHz	216,12	228,80	235,42	249,24			
PSNEXT Gr. / dB	31,26	30,83	30,61	30,18			
PSNEXT @ 100 MHz	59,47	49,92	48,88	48,20	37,1		
PSNEXT @ 250 MHz	44,22	36,99	38,02	36,84	30,2		
min PSELFEXT-Res. / dB	16,75	11,35	11,52	20,35			
@ f / MHz	216,12	232,09	232,09	1,06			
PSELFEXT Gr. / dB	13,56	12,94	12,94	59,76			
PSELFEXT @ 100 MHz	42,98	34,15	34,35	48,55	20,3		
PSELFEXT @ 250 MHz	32,72	25,98	25,41	36,51	12,3		
min PSACR-Reserve / dB	14,6	9,9	11,2	10,1			
@ f / MHz	216,1	228,8	235,4	235,4			
PSACR Grenz. / dB	-1,9	-3,4	-4,1	-4,1			
PSACR @ 100 MHz	39,94	30,49	29,31	28,66	15,4		
PSACR @ 250 MHz	12,37	5,54	6,16	5,12	-5,8		
min RL-Reserve / dB	5,3	4,0	5,7	6,4			
@ f / MHz	2,5	1,7	1,7	1,7			
RL Grenzwert / dB	19,0	19,0	19,0	19,0			
Kombination	12 36	12 45	12 78	36 45	36 78	45 78	Grenzwert
min NEXT-Reserve / dB	9,55	12,63	15,90	8,00	5,17	8,04	
@ f / MHz	216,12	238,80	1,62	179,55	228,80	235,42	
NEXT Grenzw. /dB	34,20	33,46	65,00	35,59	33,78	33,56	
NEXT @ 100 MHz	62,16	63,18	73,85	54,59	52,14	50,47	39,9
NEXT @ 250 MHz	49,76	46,02	56,49	42,32	38,84	41,31	33,1
min ELFEXT-Res. / dB	14,7	16,1	20,5	9,1	18,9	20,4	
@ f / MHz	216,1	249,2	1,1	232,1	162,5	1,0	
ELFEXT Grw. /dB	16,56	15,32	62,76	15,94	19,04	63,26	
ELFEXT @ 100 MHz	44,26	48,99	66,53	34,64	55,26	49,69	23,3
ELFEXT @ 250 MHz	39,25	33,96	48,49	26,32	41,55	38,56	15,3
min ACR-Reserve/ dB	13,0	15,7	16,0	11,3	8,6	10,5	
@ f / MHz	216,1	149,2	1,6	179,6	228,8	103,0	
ACR Grenzw. /dB	1,1	10,0	62,2	5,7	-0,4	17,7	
ACR @ 100 MHz	42,63	43,65	54,33	35,18	32,72	30,84	18,2
ACR @ 250 MHz	17,90	14,17	24,63	10,89	7,41	9,12	-2,8

NEXT / dB

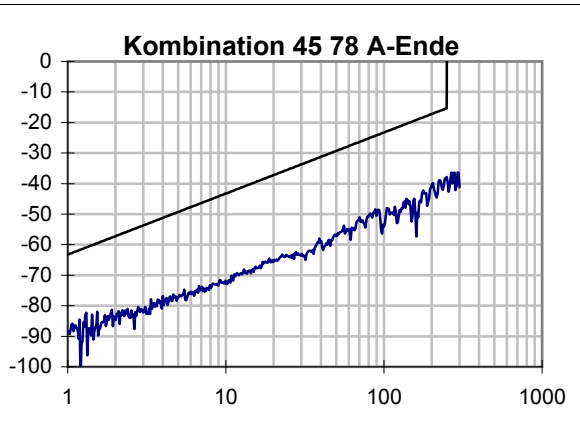
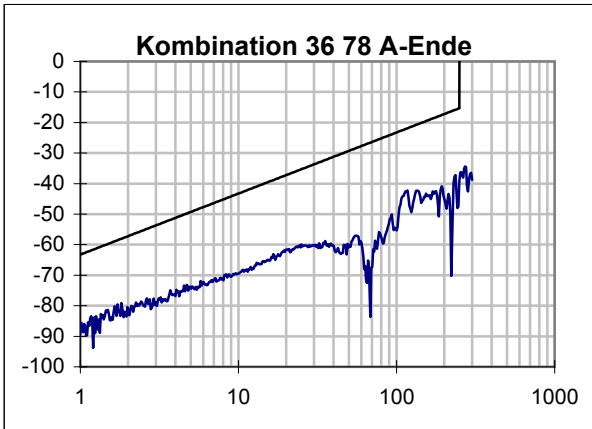
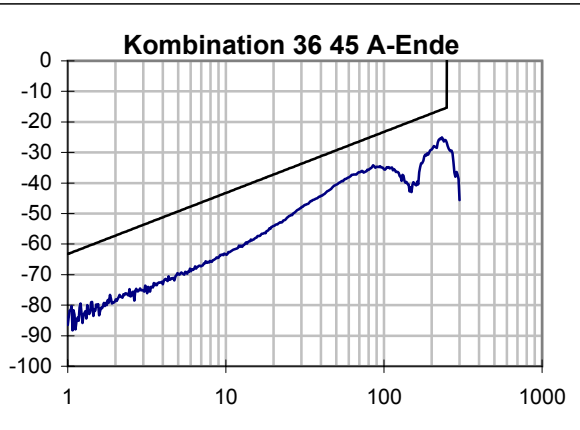
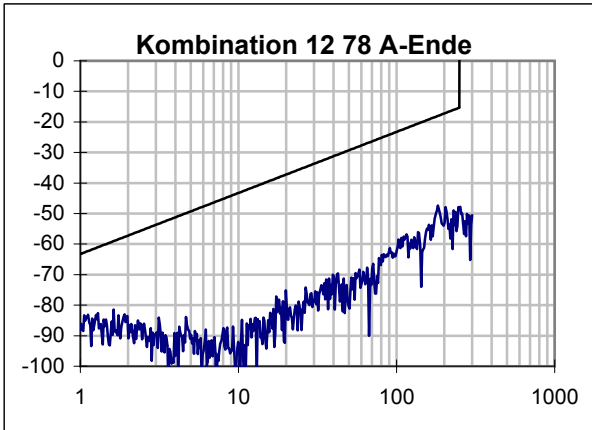
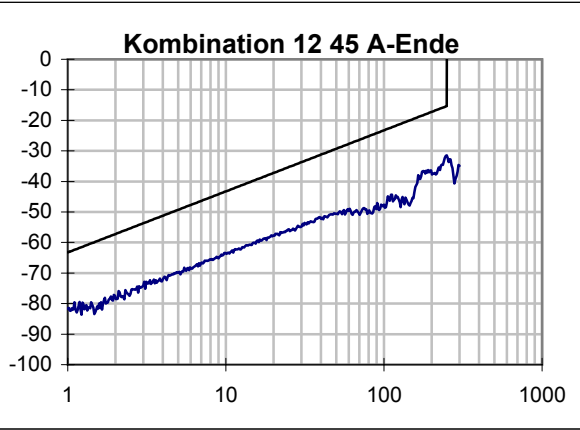
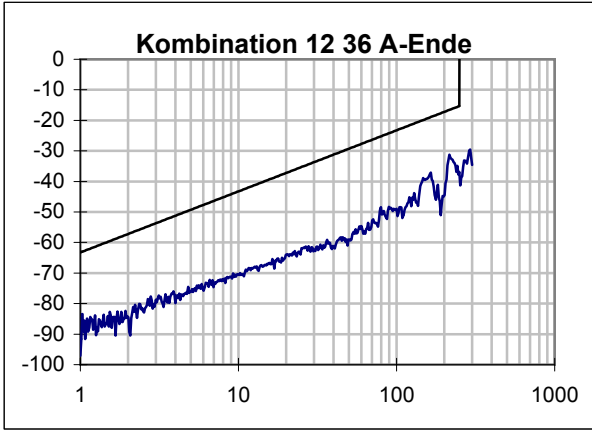


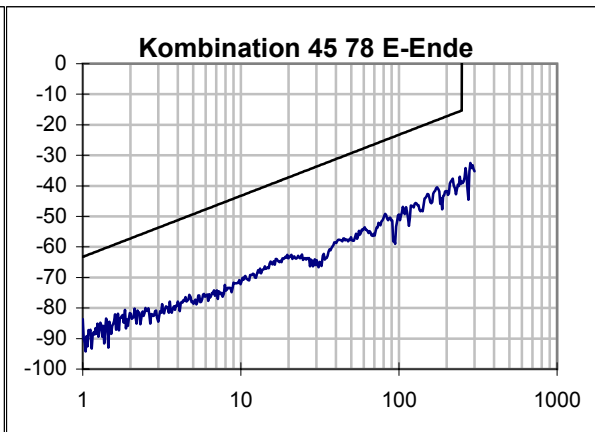
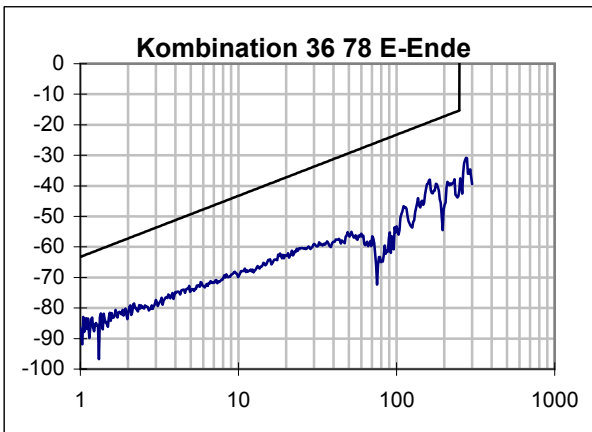
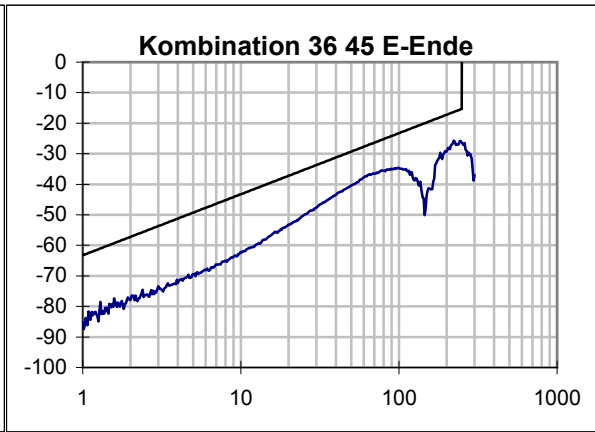
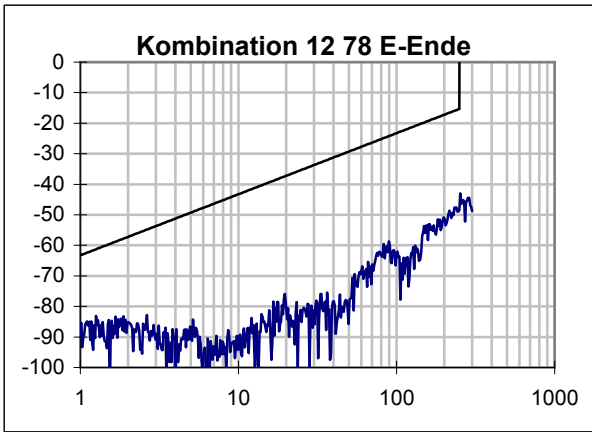
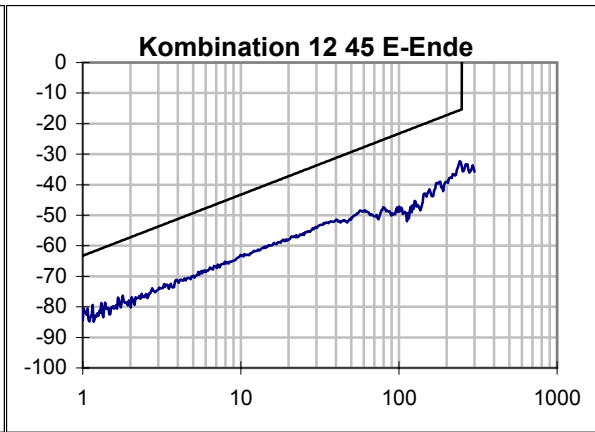
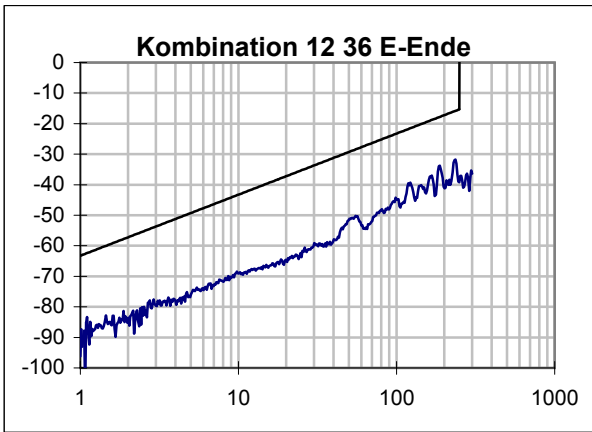


PSNEXT / dB

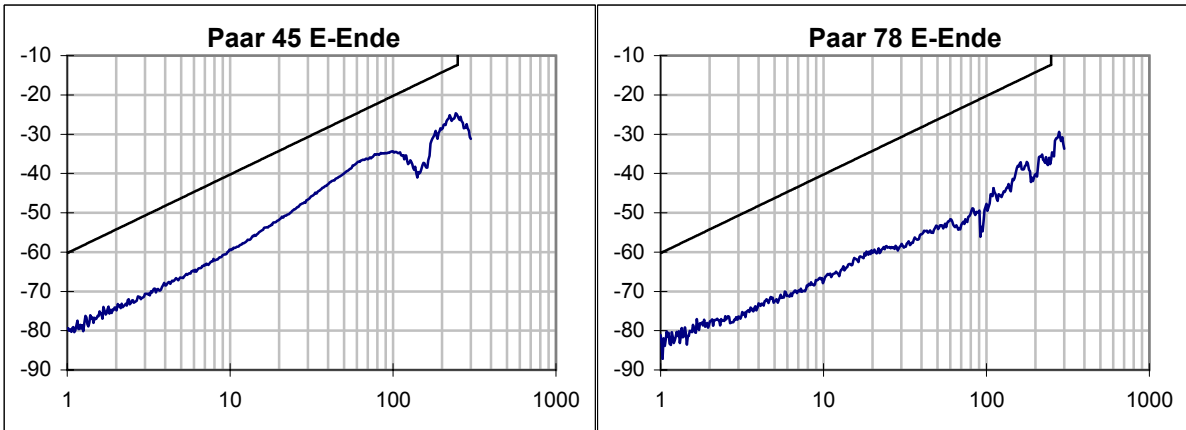
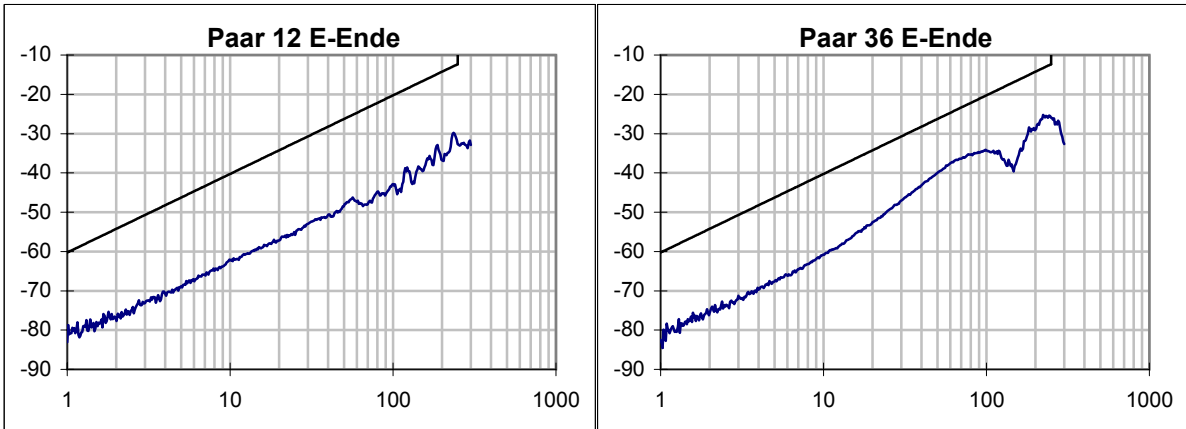
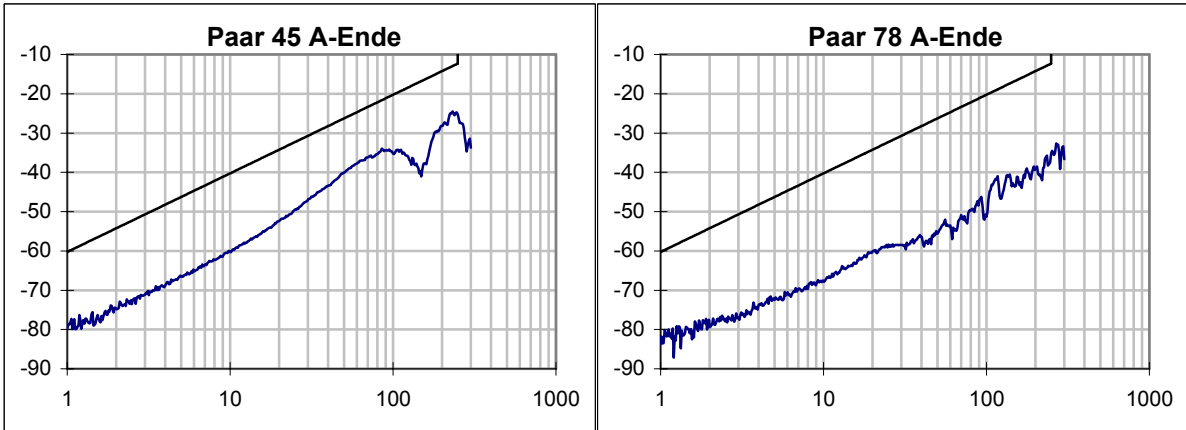
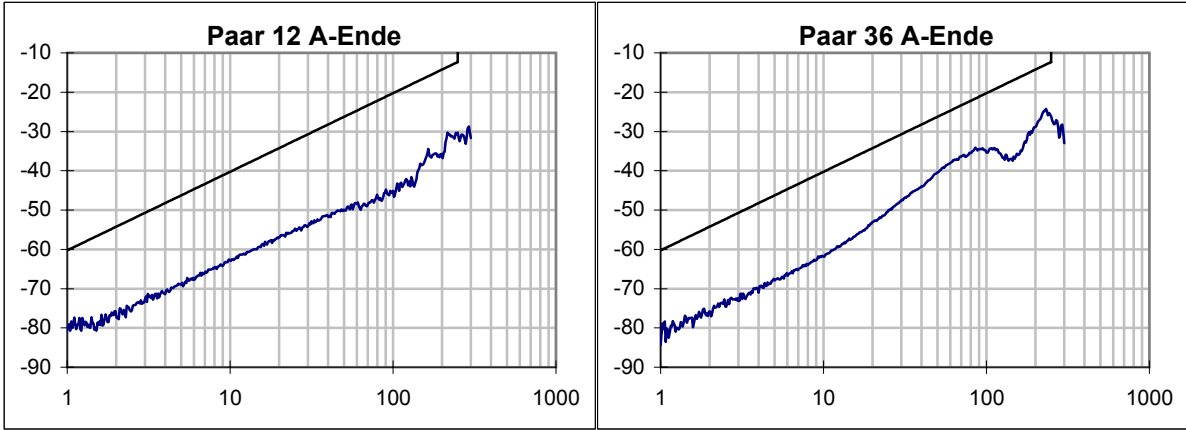


ELFEXT / dB

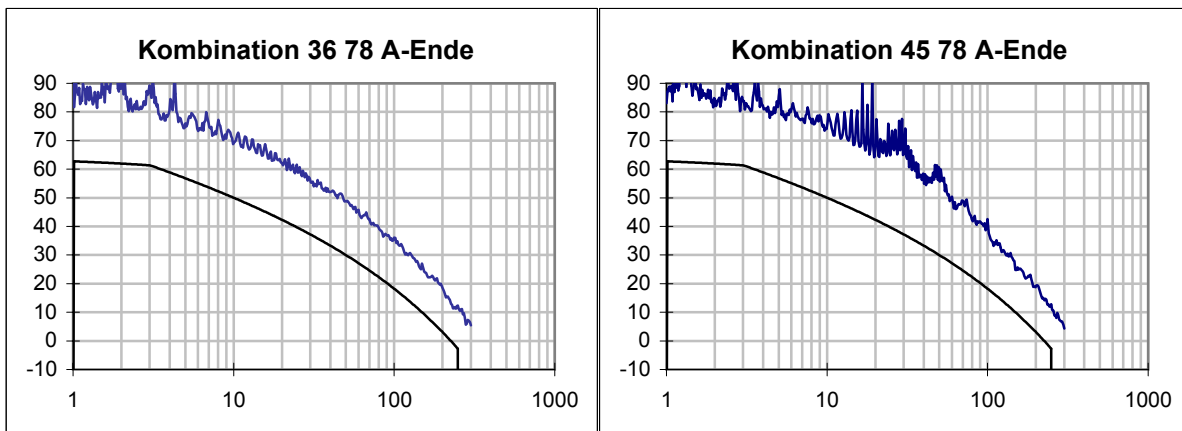
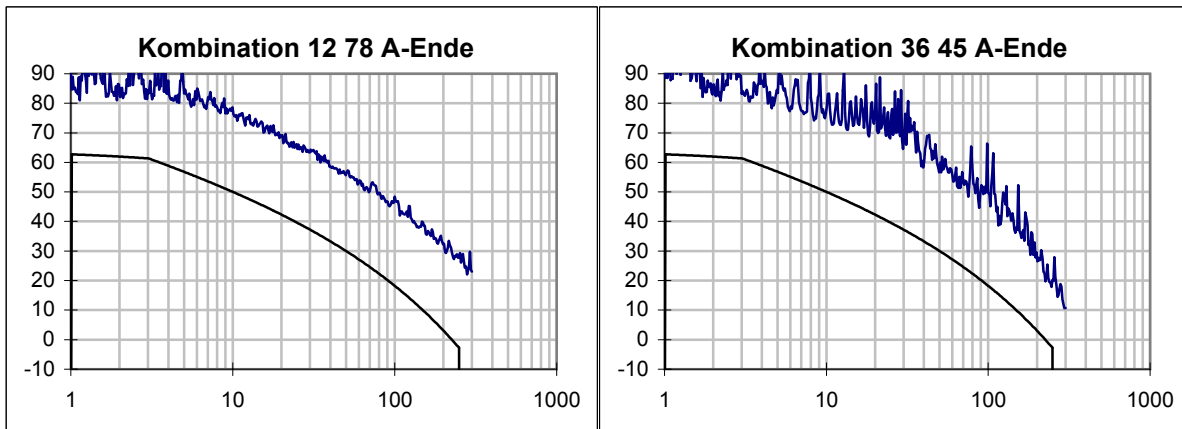
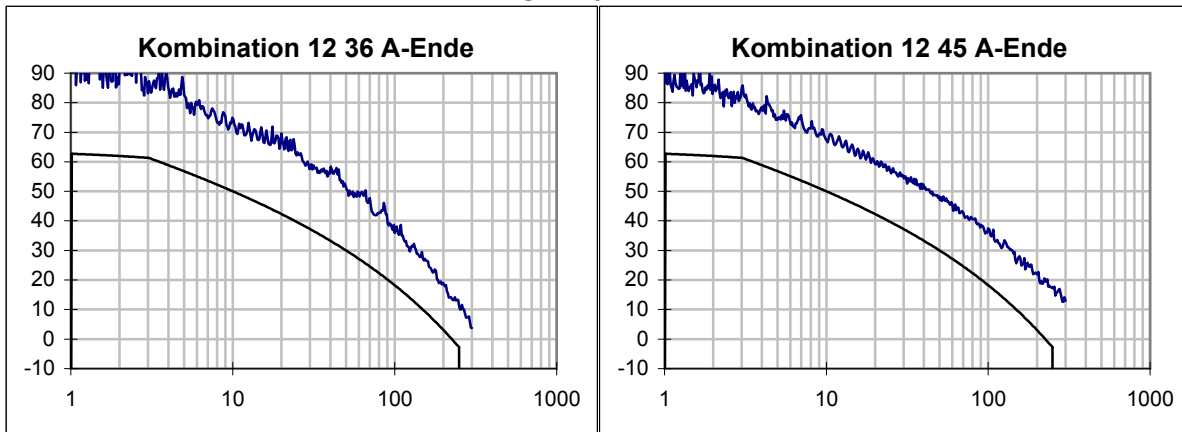


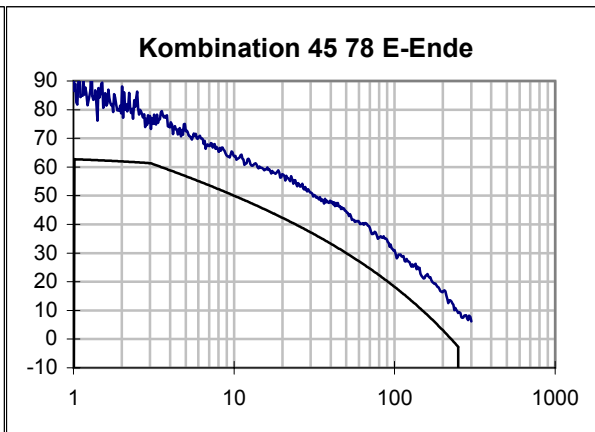
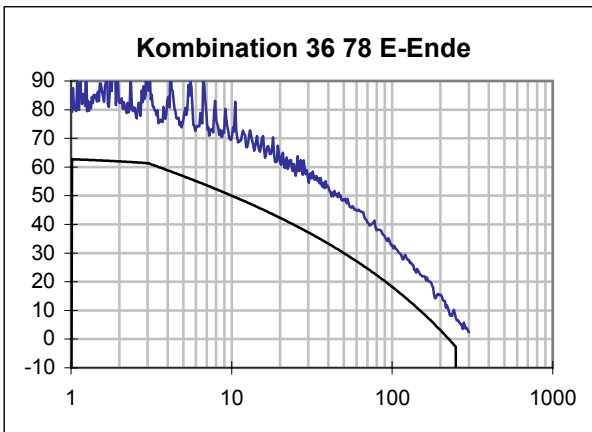
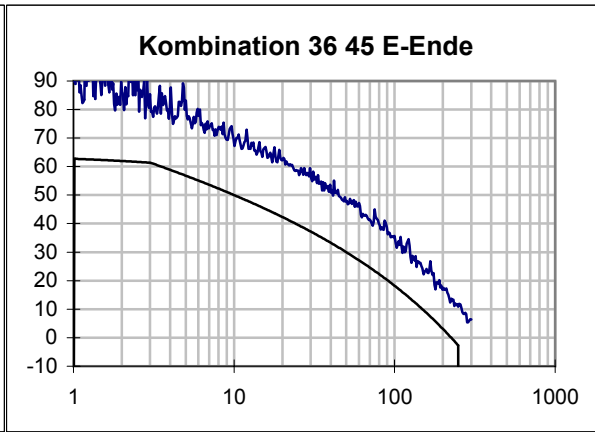
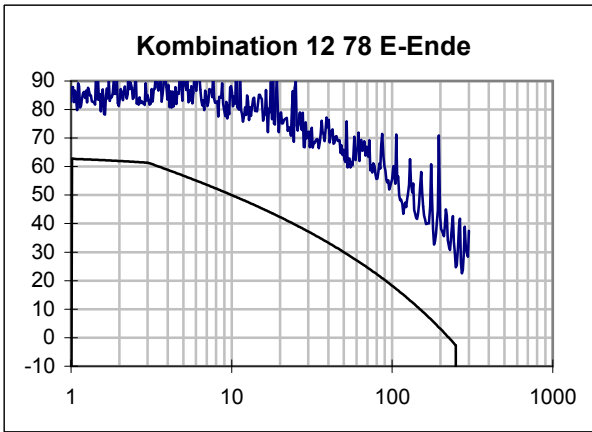
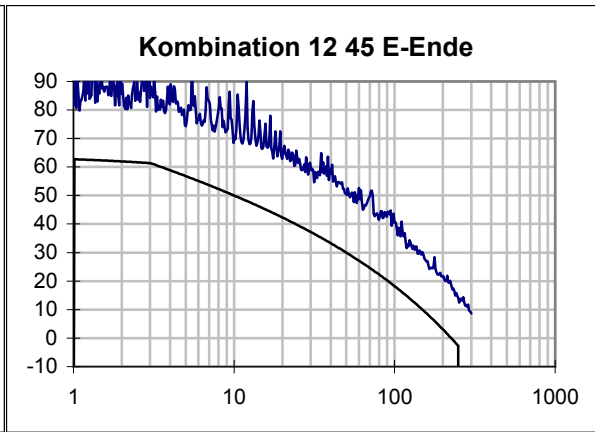
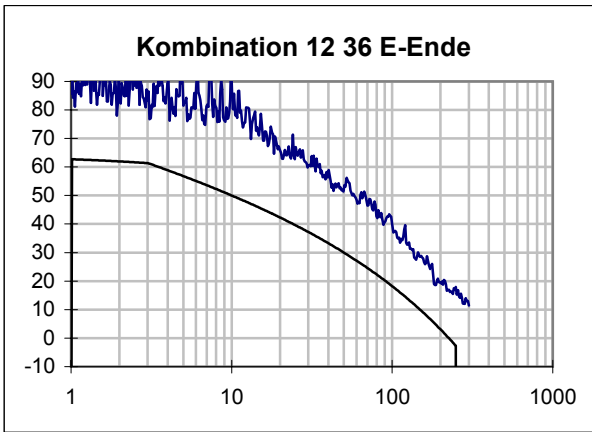


PSELFEXT / dB

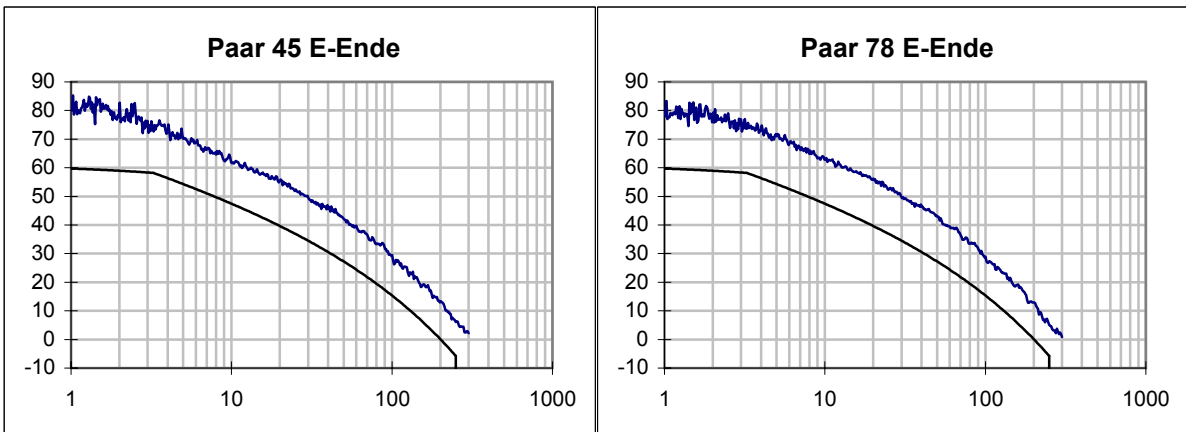
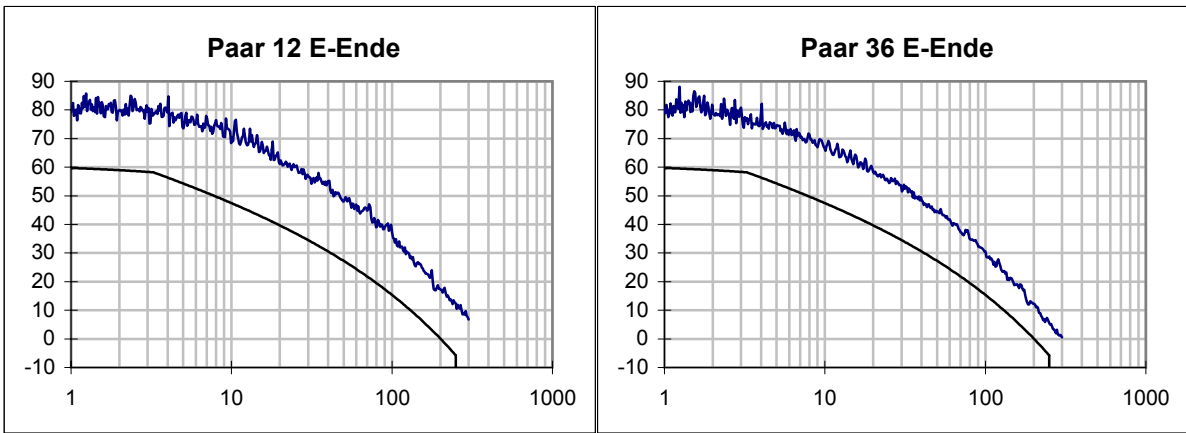
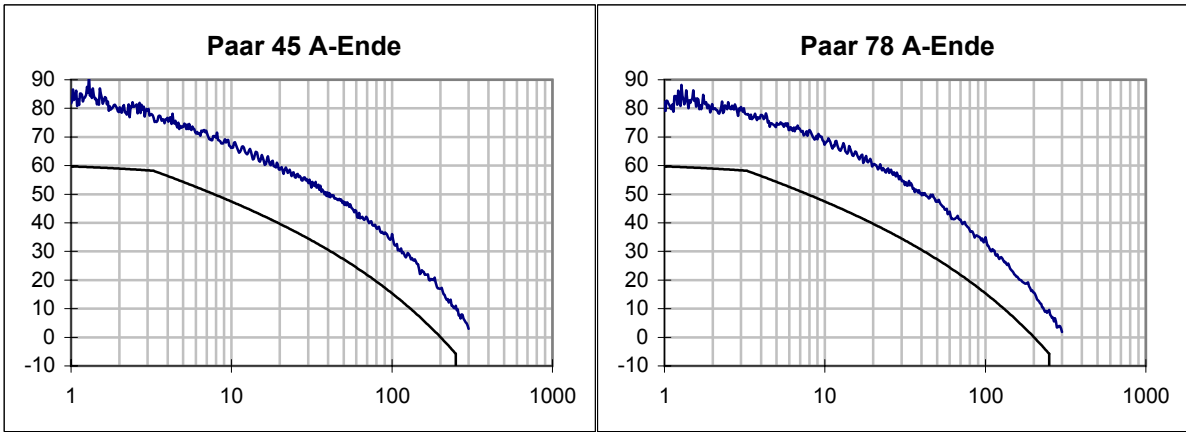
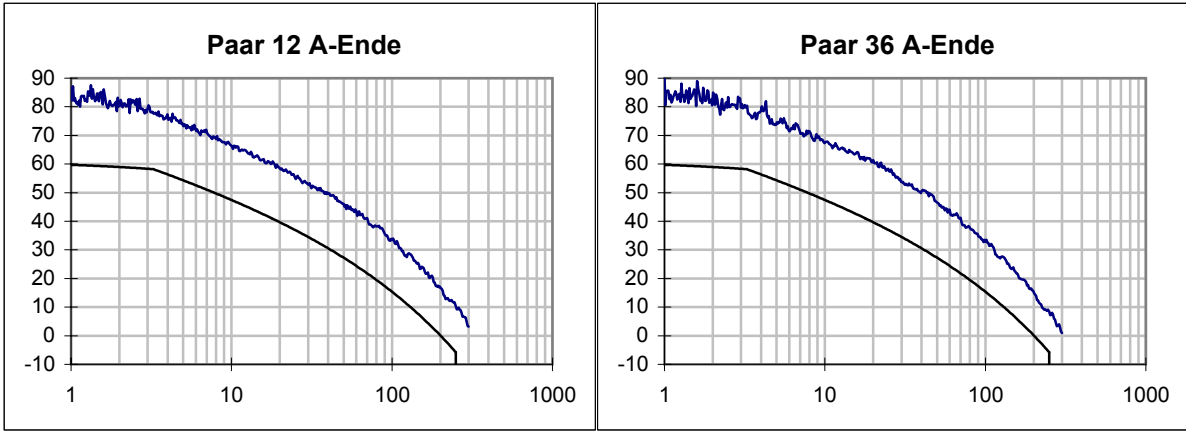


ACR / dB

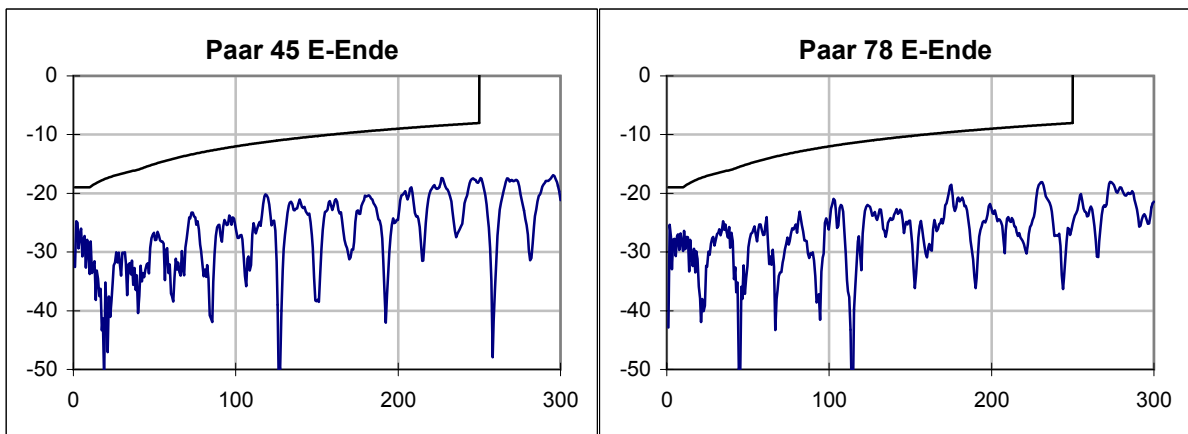
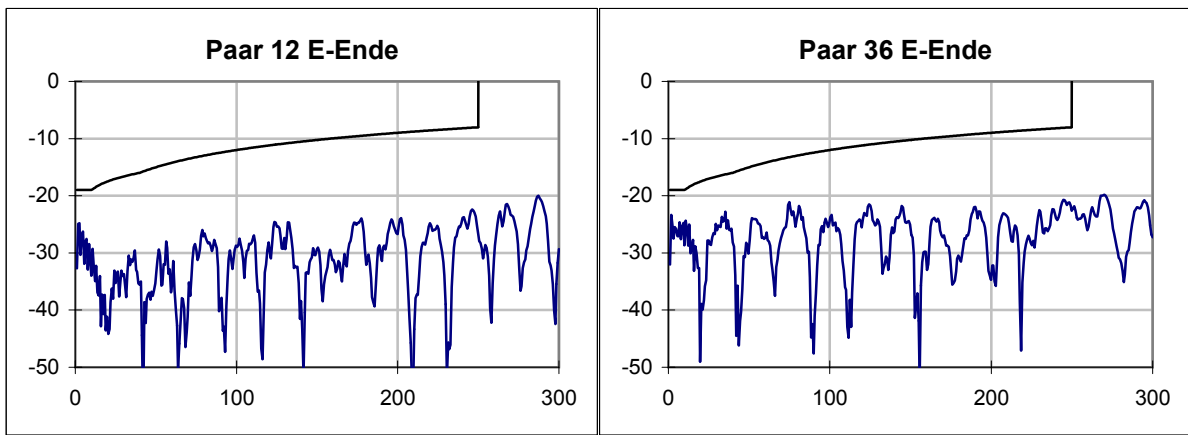
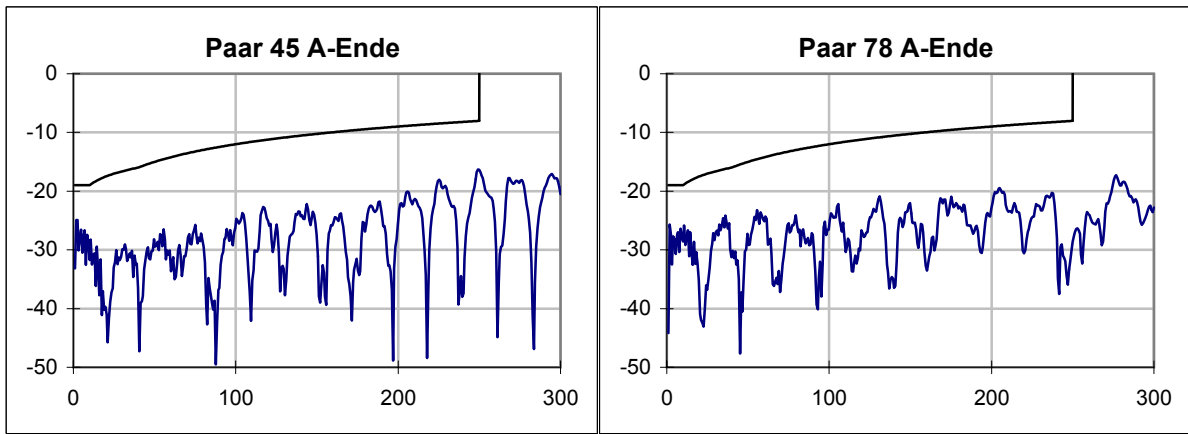
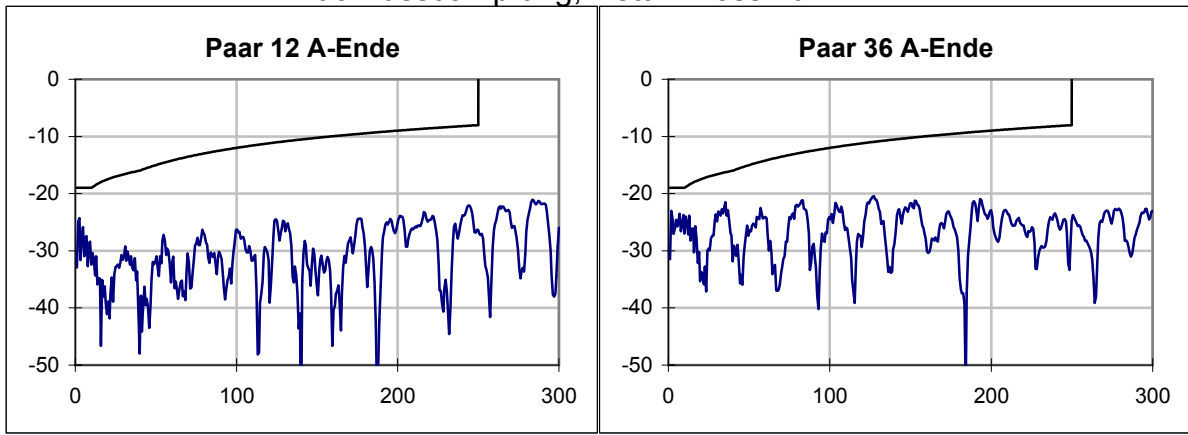




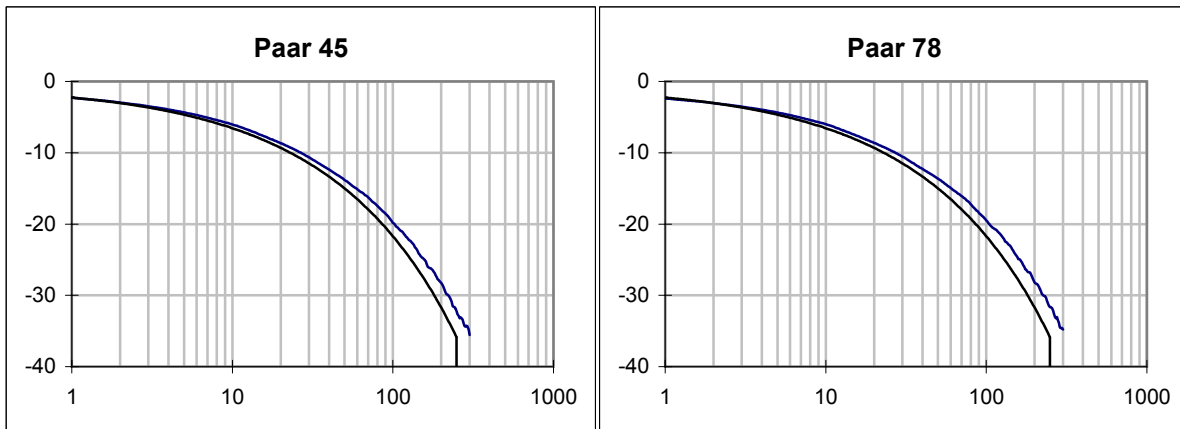
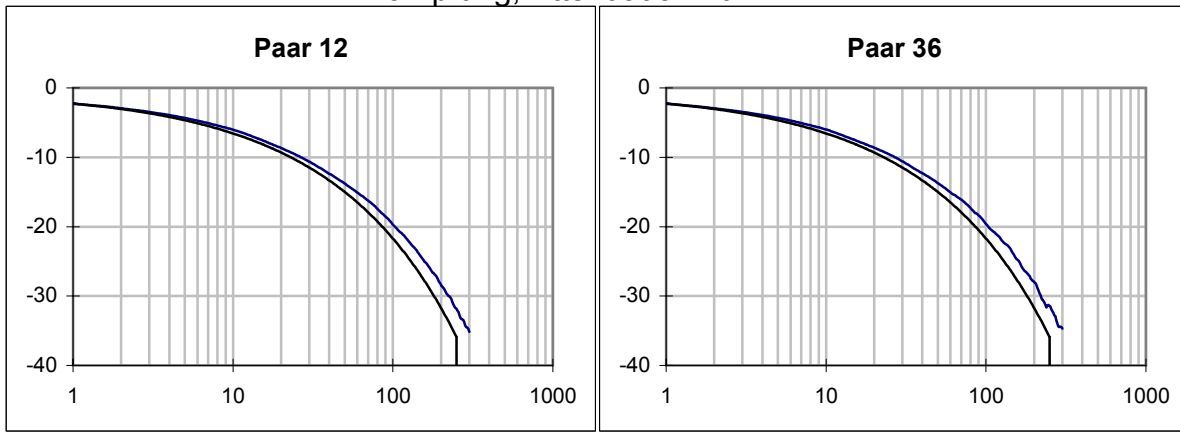
PSACR / dB



Rückflussdämpfung, Return Loss / dB



Dämpfung, Attenuation / dB



Laufzeit, Delay / ns

