



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/B 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!*

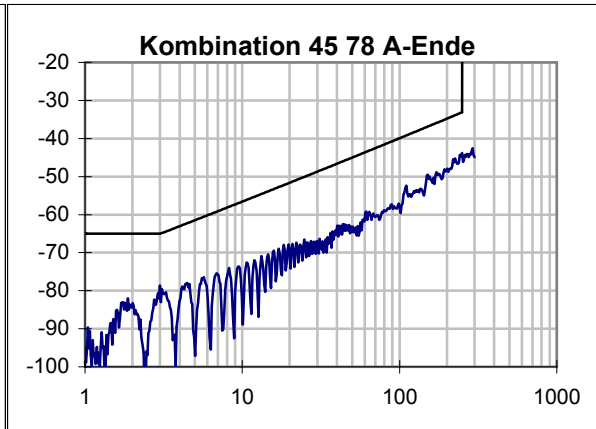
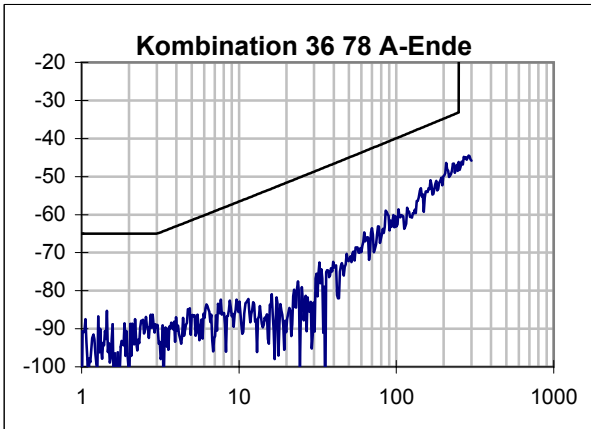
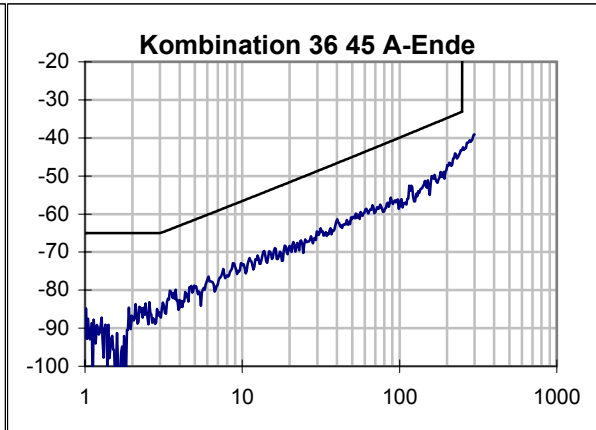
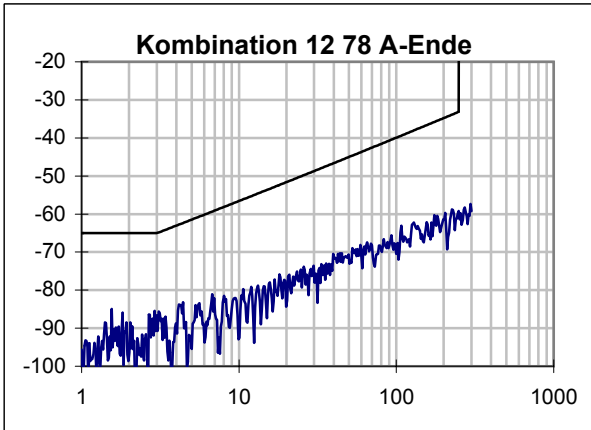
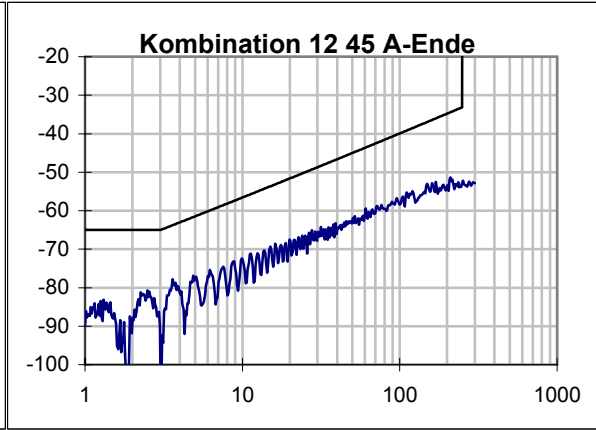
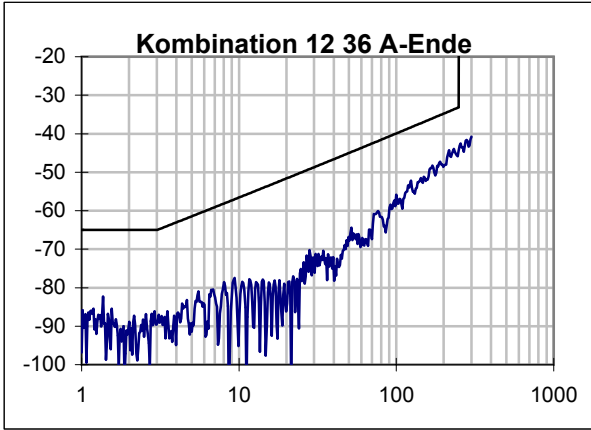
Ankerfrequenzen / MHz: 100 Datum: 30.04.2001
 250 Prüfer: Dr. C. Pfeiler
 Prüflabor: Draka Multimedia Cable
 Wohlaue Str. 15
 90475 Nürnberg

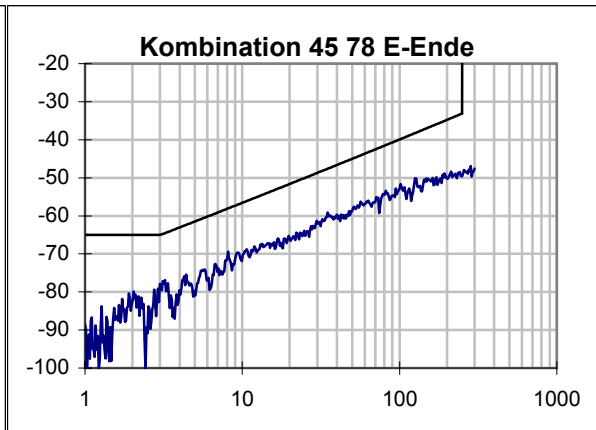
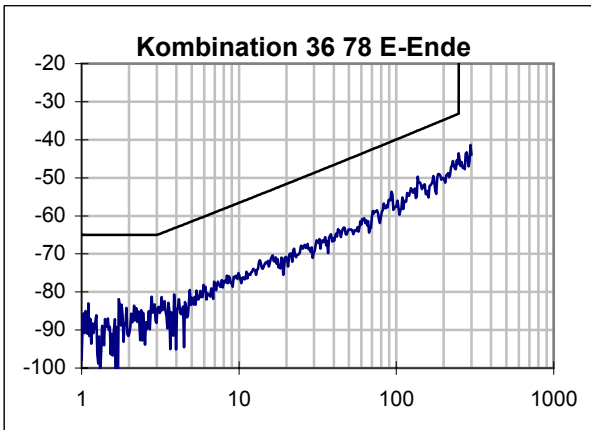
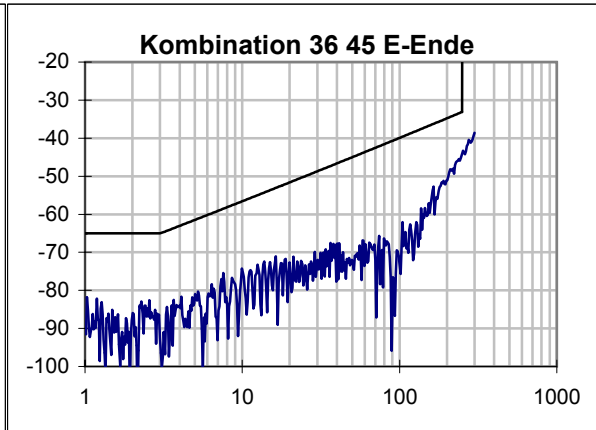
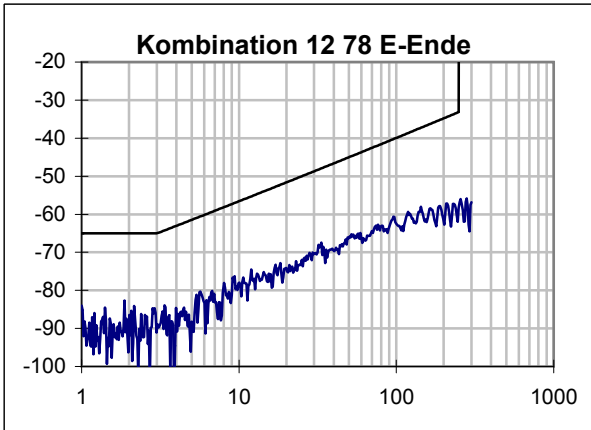
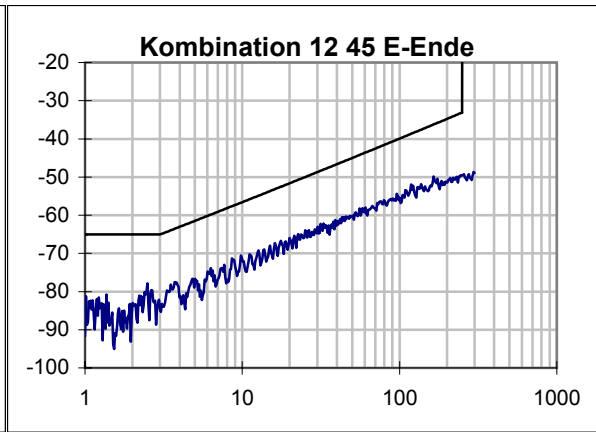
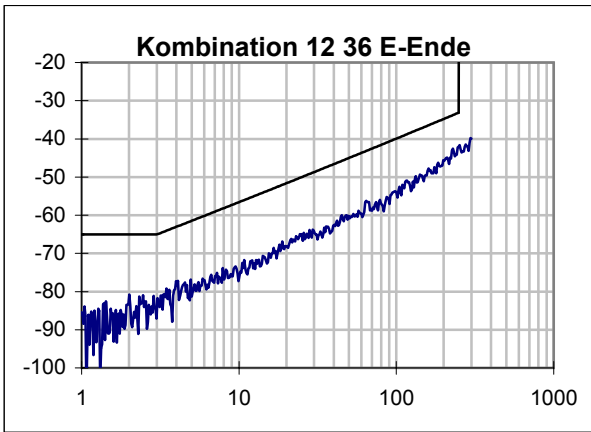
gepr.

Übersicht Ergebnis:

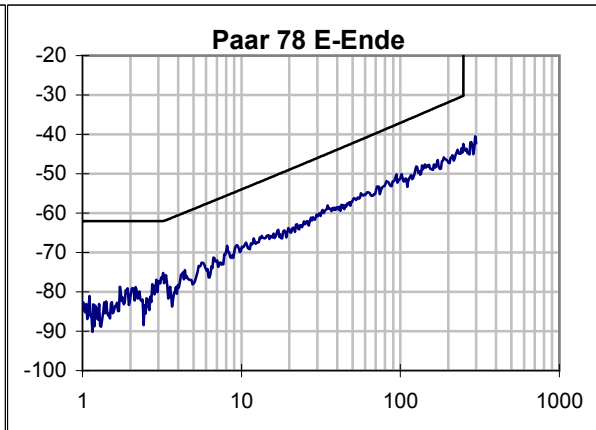
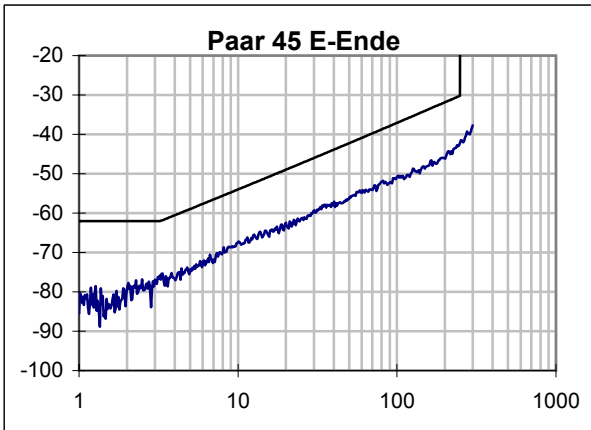
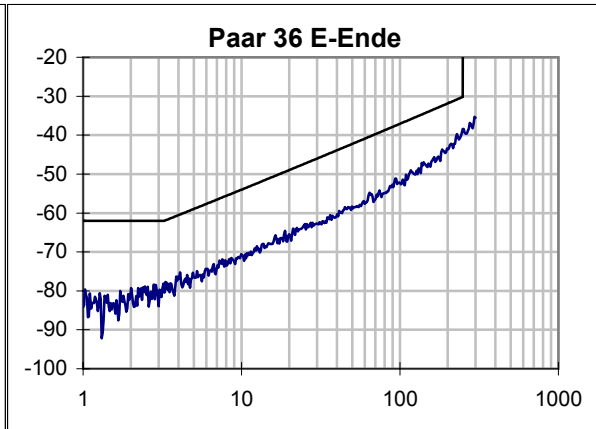
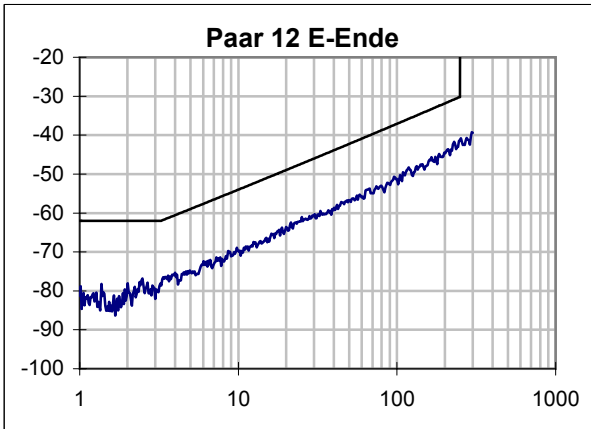
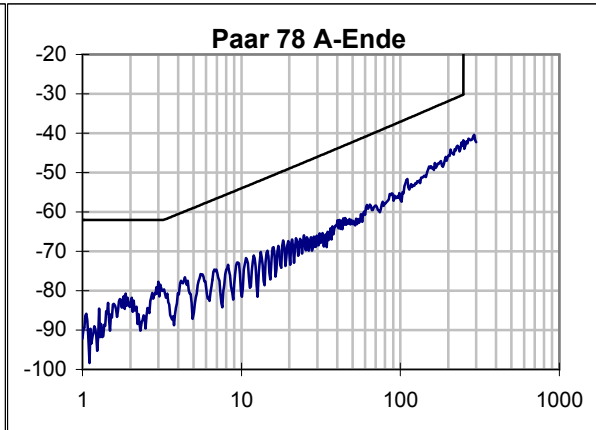
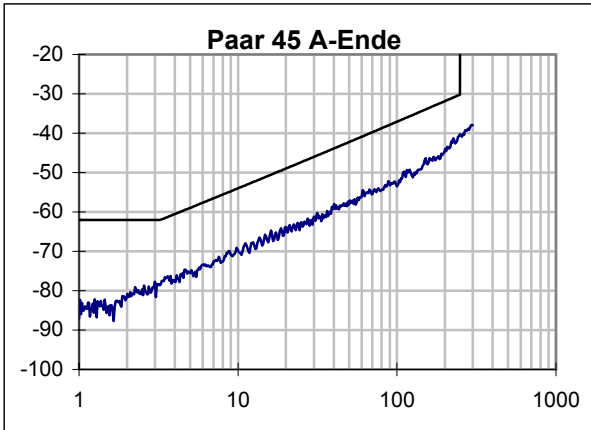
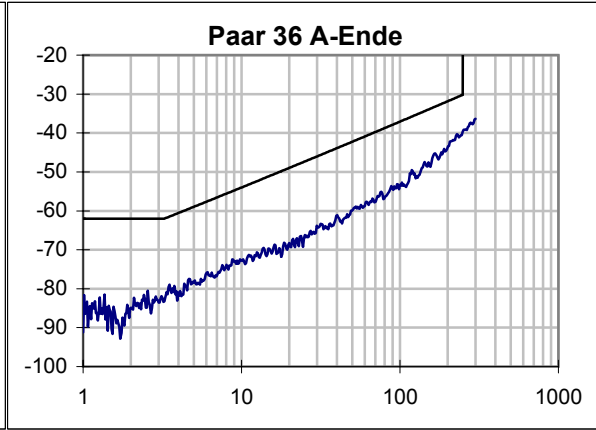
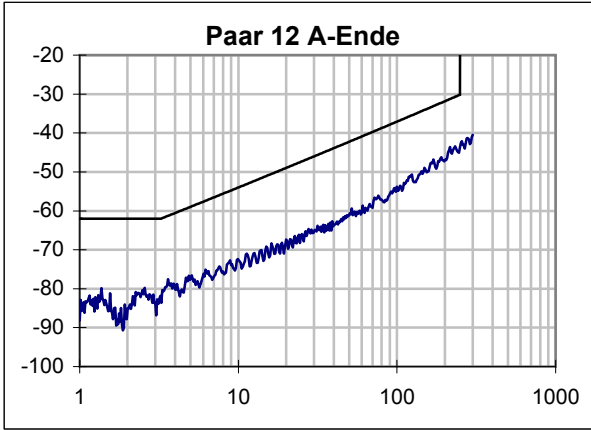
Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	450,4	453,6	447,1	446,7		10,3	50
Dämpfung @ 100MHz/dB	19,83	19,67	19,99	19,48	21,7		
Dämpfung @ 250MHz/dB	32,29	31,72	32,37	31,91	35,9		
min PSNEXT-Res. / dB	10,89	8,23	10,09	11,57			
@ f / MHz	228,80	249,24	10,09	11,57			
PSNEXT Gr. / dB	30,83	30,18	53,92	52,94			
PSNEXT @ 100 MHz	51,32	52,15	51,40	51,53	37,1		
PSNEXT @ 250 MHz	41,29	38,41	42,20	42,46	30,2		
min PSELFEXT-Res. / dB	21,01	14,64	14,57	19,10			
@ f / MHz	1,04	232,09	85,54	100,06			
PSELFEXT Gr. / dB	59,89	12,94	21,61	20,25			
PSELFEXT @ 100 MHz	54,38	37,50	37,42	44,07	20,3		
PSELFEXT @ 250 MHz	44,33	28,51	28,30	37,63	12,3		
min PSACR-Reserve / dB	14,4	12,1	13,6	13,3			
@ f / MHz	245,7	249,2	13,8	8,1			
PSACR Grenz. / dB	-5,3	-5,7	44,0	49,6			
PSACR @ 100 MHz	31,49	32,36	31,47	31,63	15,4		
PSACR @ 250 MHz	9,01	6,44	10,26	10,60	-5,8		
min RL-Reserve / dB	5,1	5,4	5,9	7,3			
@ f / MHz	1,7	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	8,76	12,83	17,70	9,98	10,40	10,68	
@ f / MHz	228,80	2,49	1,87	245,71	249,24	249,24	
NEXT Grenzw. /dB	33,78	65,00	65,00	33,24	33,14	33,14	
NEXT @ 100 MHz	53,69	56,04	62,10	71,06	57,57	53,31	39,9
NEXT @ 250 MHz	42,09	49,58	58,32	44,18	43,54	49,60	33,1
min ELFEXT-Res. / dB	21,6	20,4	25,0	12,2	18,8	17,3	
@ f / MHz	1,0	1,0	1,0	85,5	249,2	1,0	
ELFEXT Grw. /dB	62,89	63,26	63,01	24,61	15,32	63,13	
ELFEXT @ 100 MHz	56,35	58,76	87,25	38,01	47,57	46,64	23,3
ELFEXT @ 250 MHz	51,44	47,70	48,94	28,69	43,05	39,58	15,3
min ACR-Reserve/ dB	12,3	13,0	17,9	14,0	14,6	11,7	
@ f / MHz	245,7	2,5	1,9	225,6	249,2	8,1	
ACR Grenzw. /dB	-2,3	61,6	62,1	0,0	-2,7	52,1	
ACR @ 100 MHz	33,87	36,22	42,27	51,39	37,90	33,32	18,2
ACR @ 250 MHz	9,81	17,29	26,03	12,46	11,82	17,24	-2,8

NEXT / dB

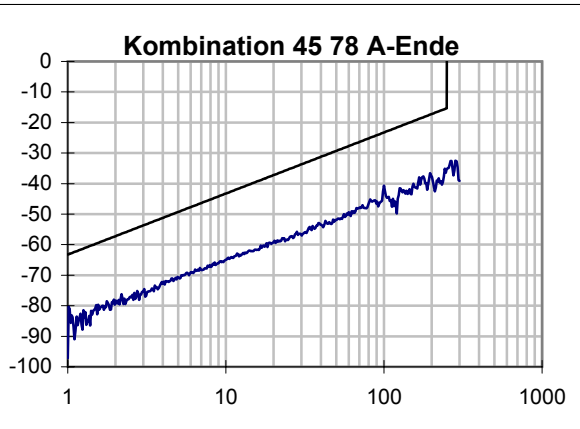
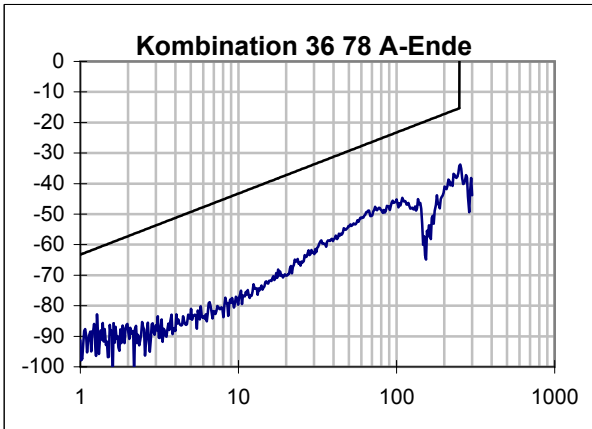
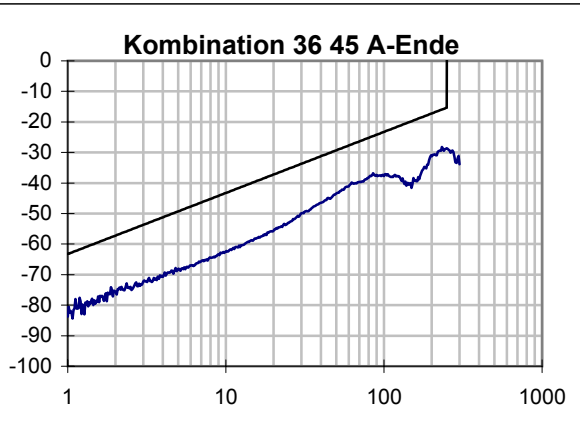
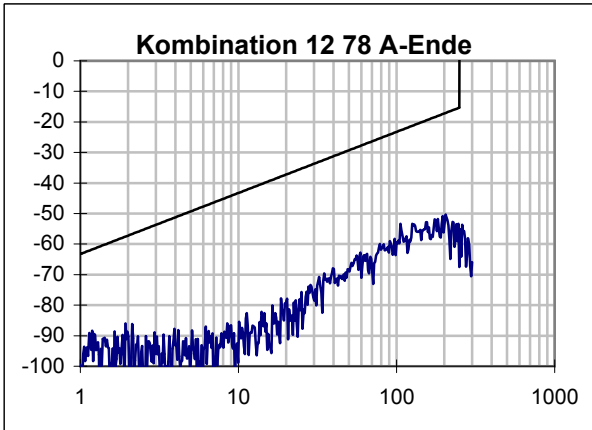
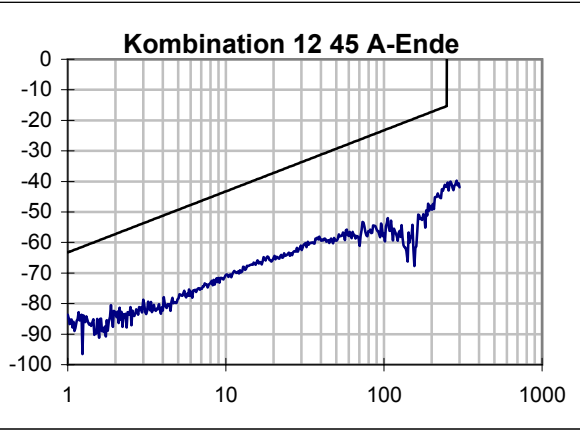
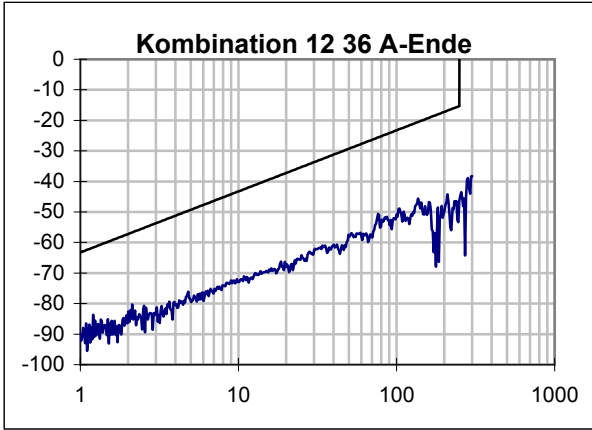


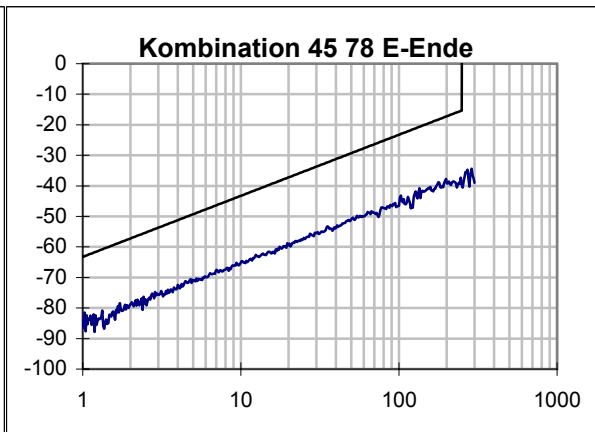
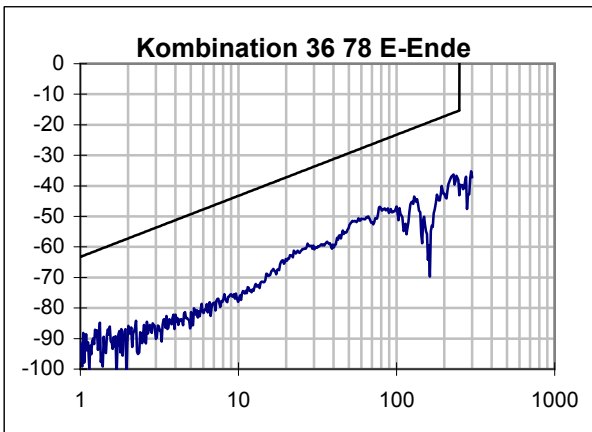
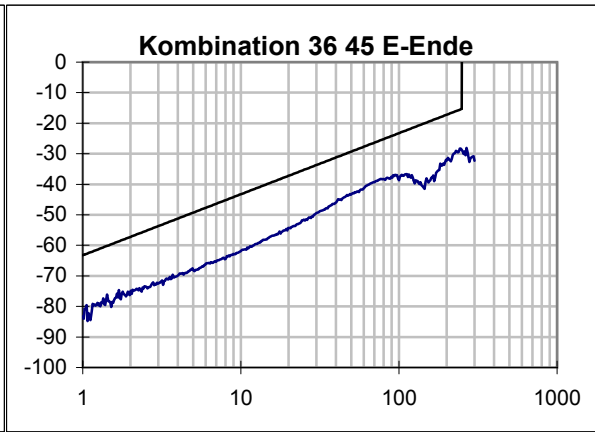
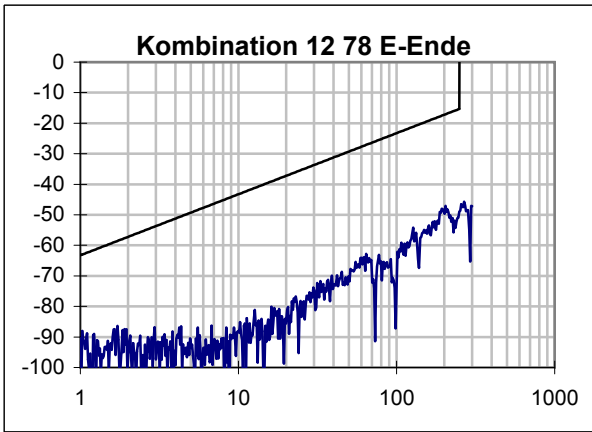
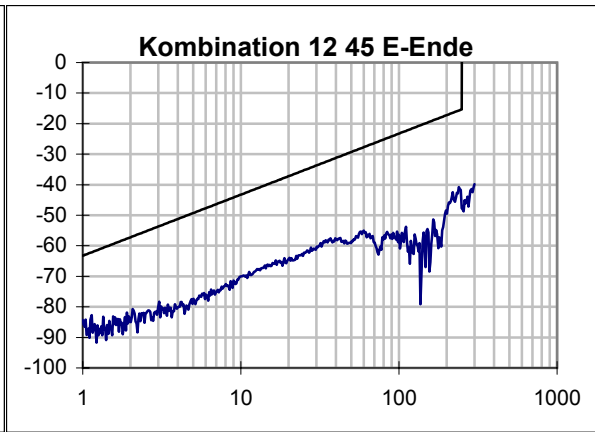
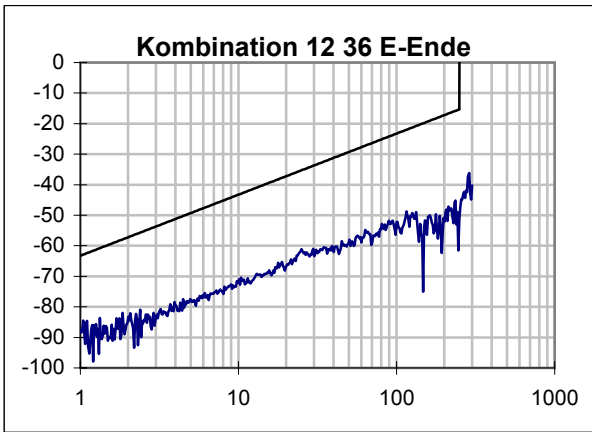


PSNEXT / dB

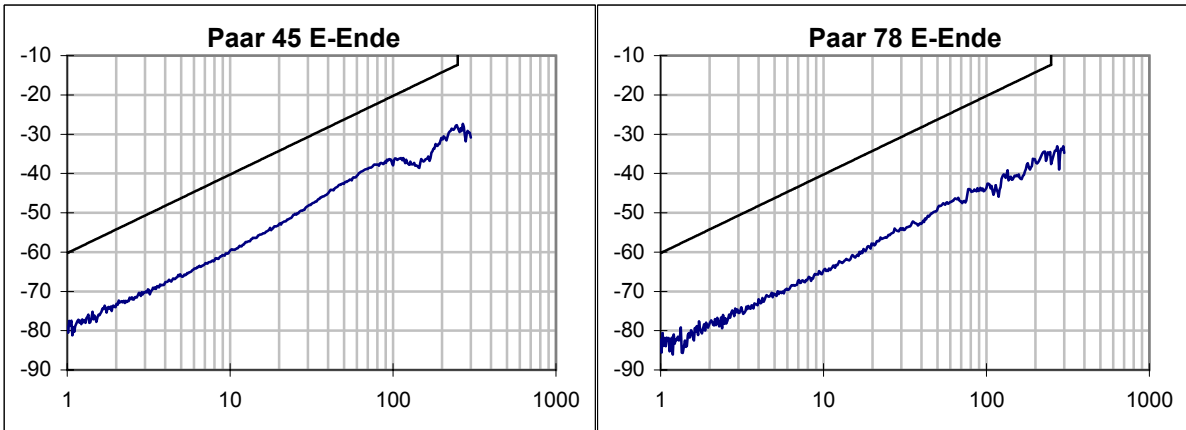
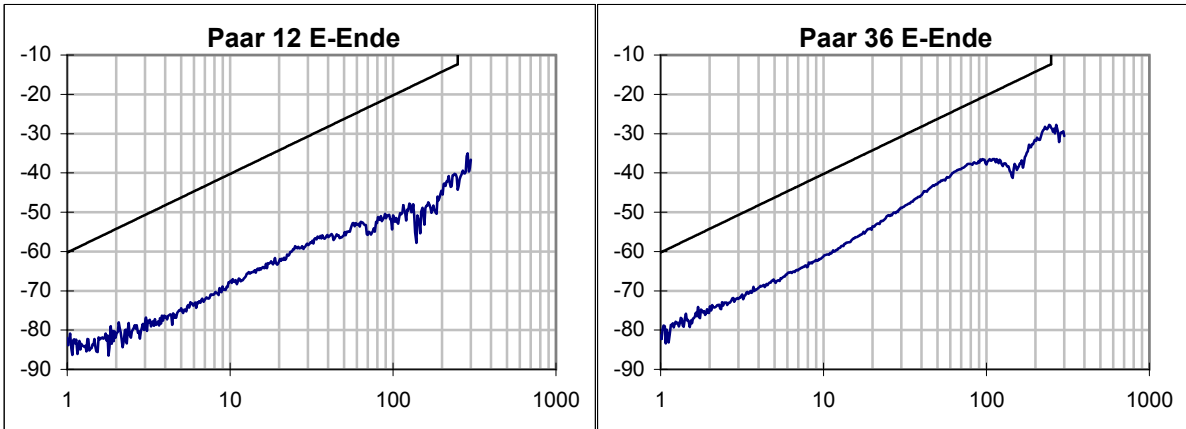
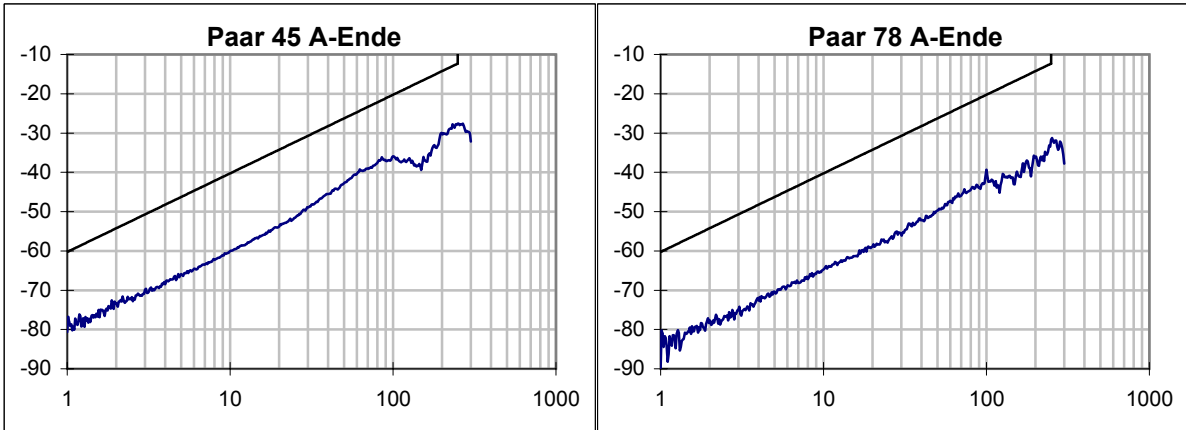
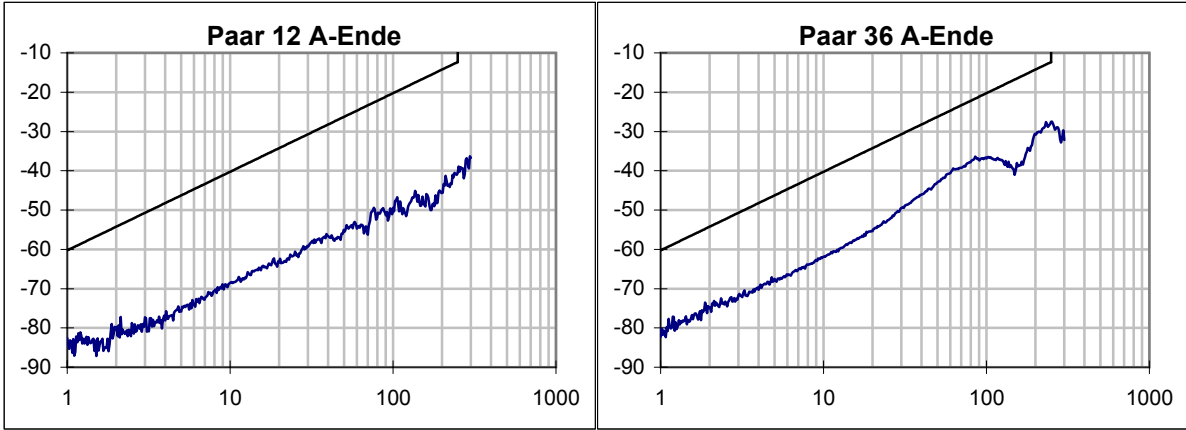


ELFEXT / dB

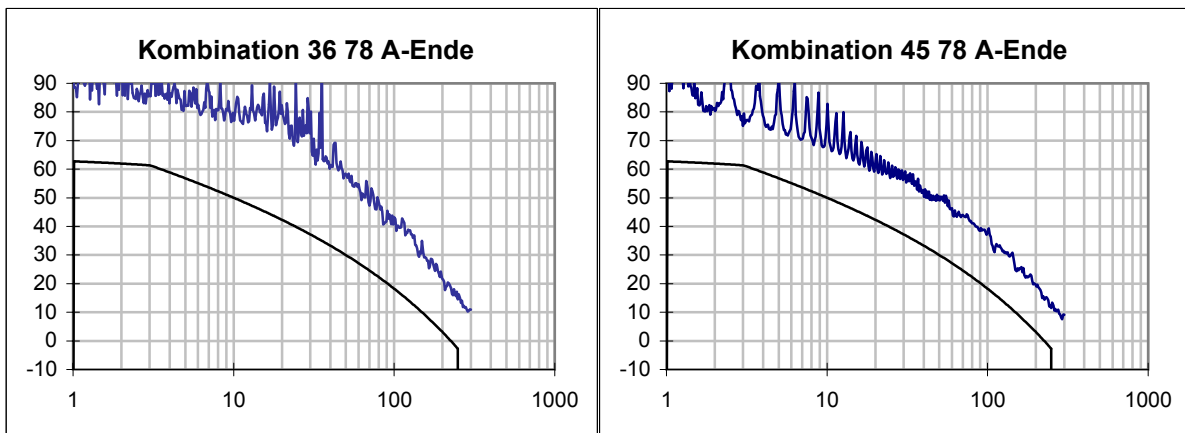
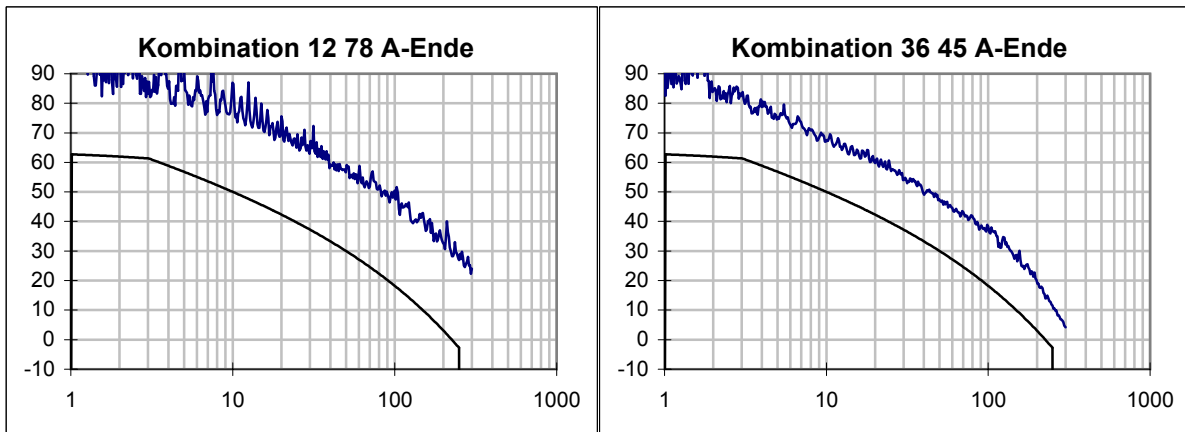
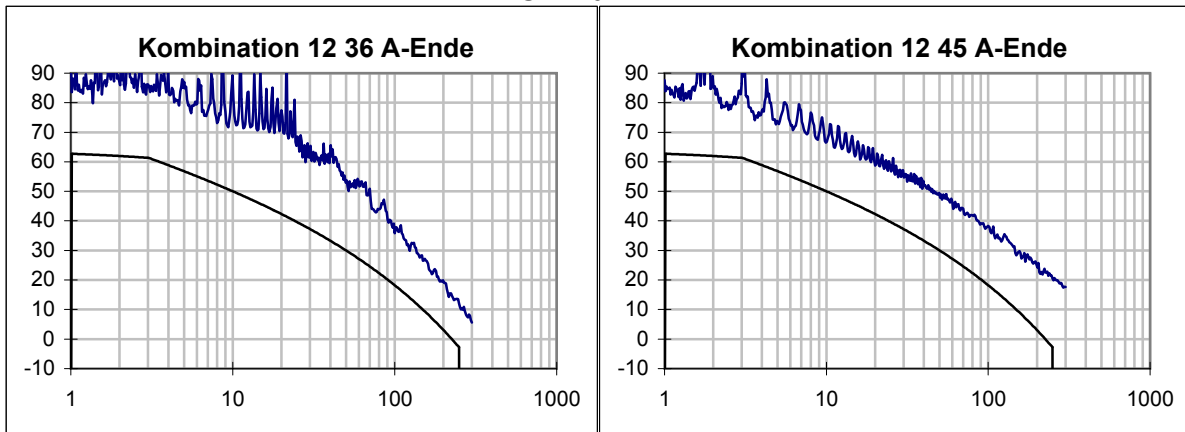


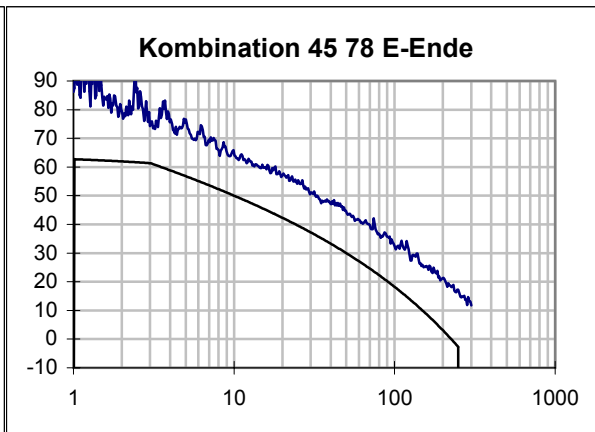
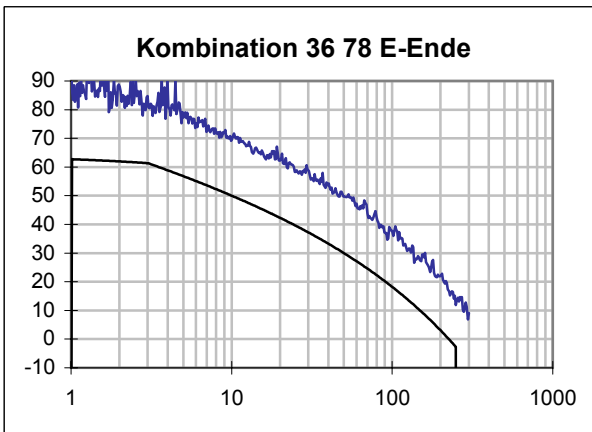
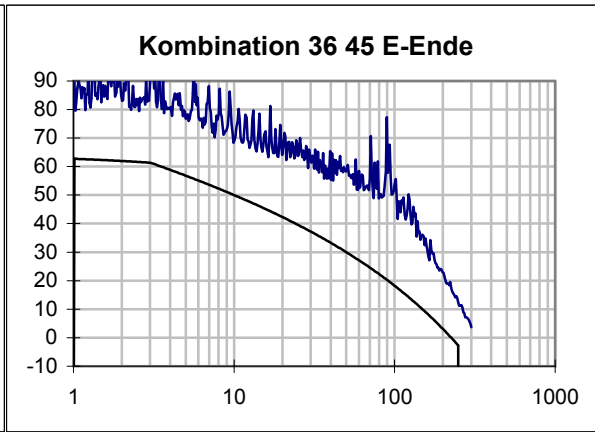
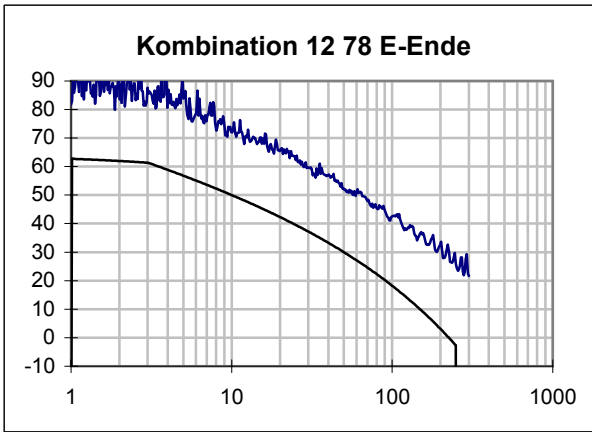
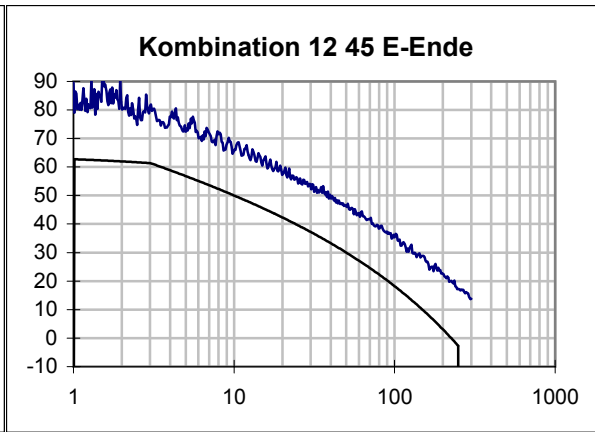
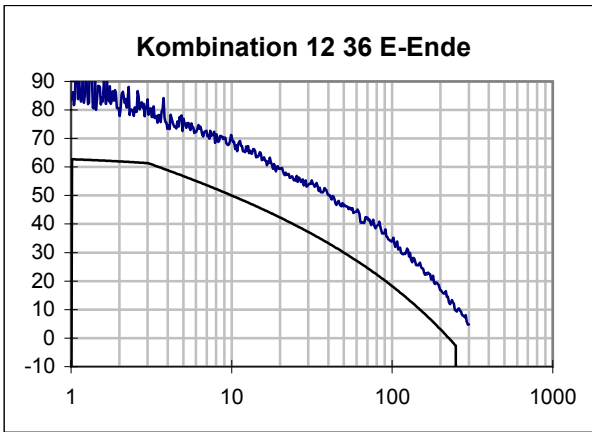


PSELFEXT / dB

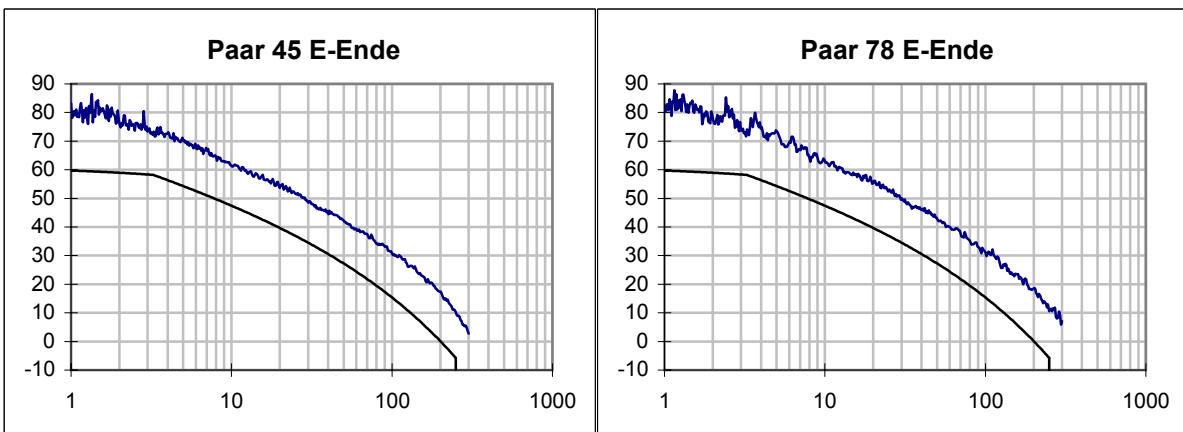
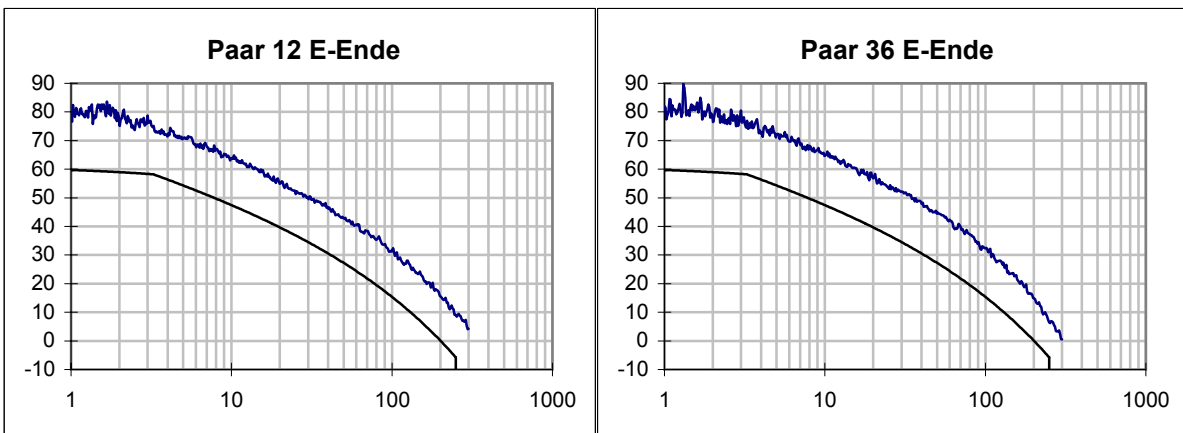
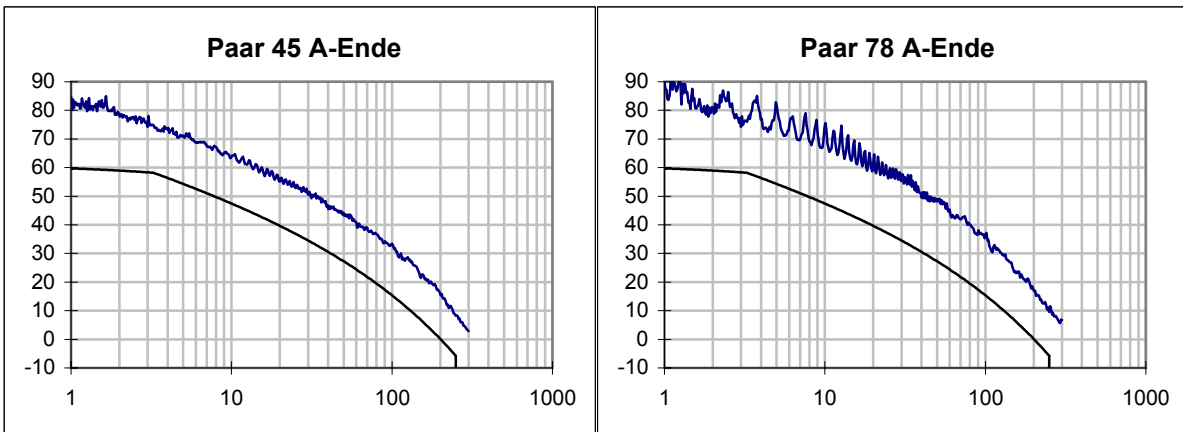
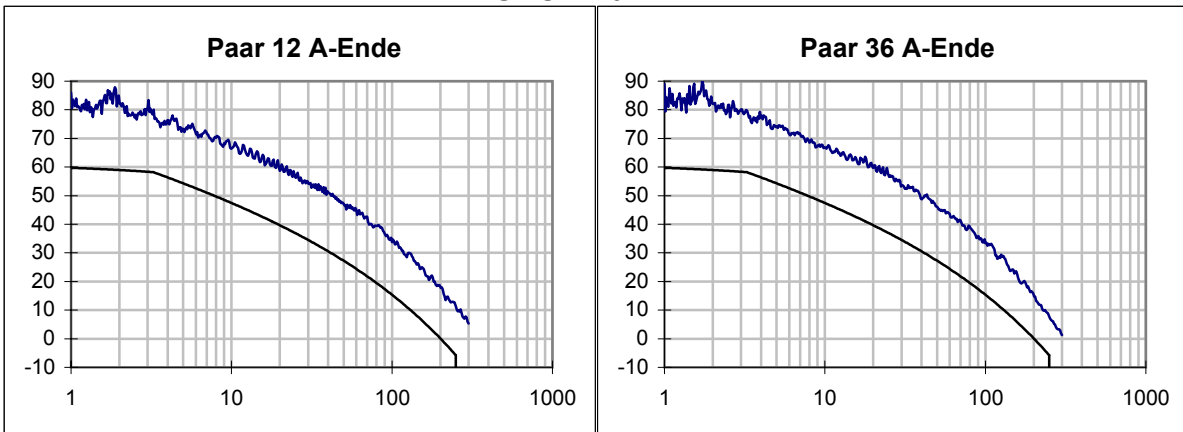


ACR / dB

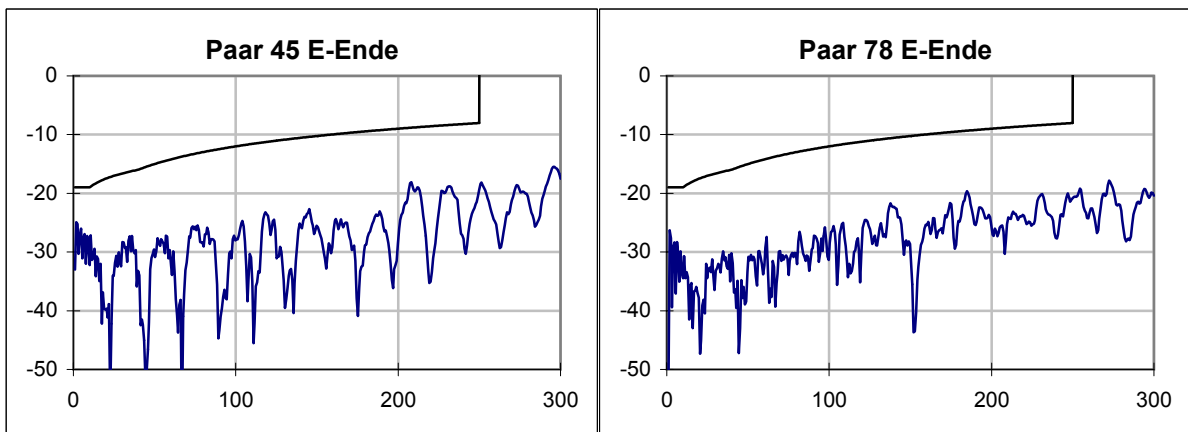
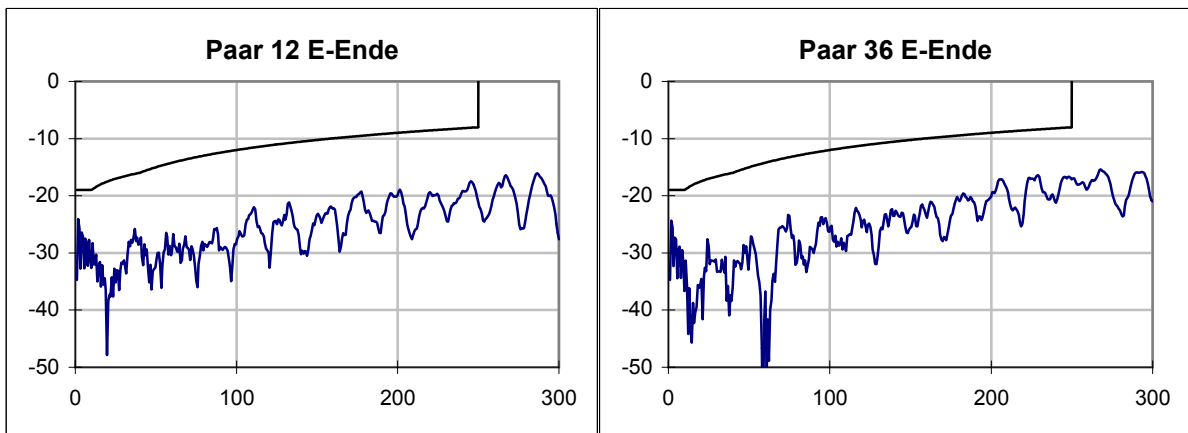
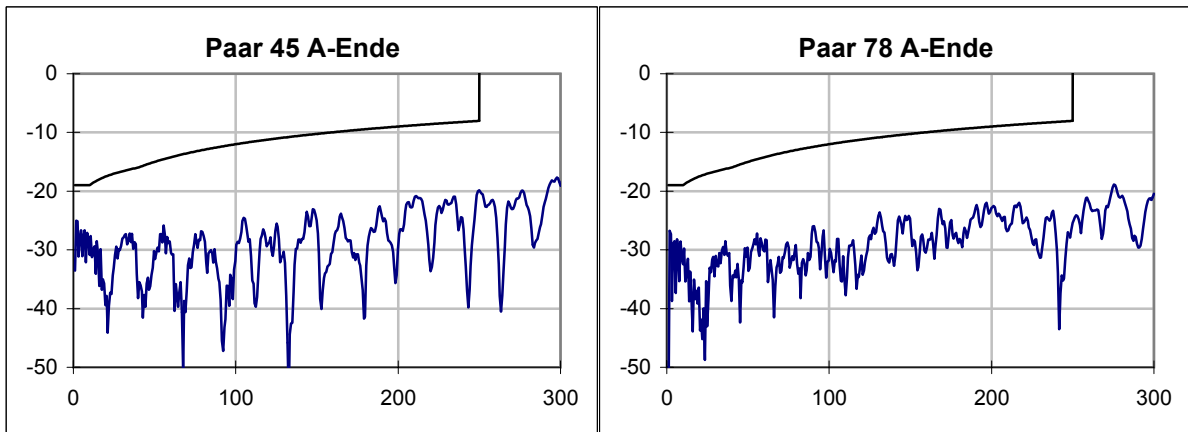
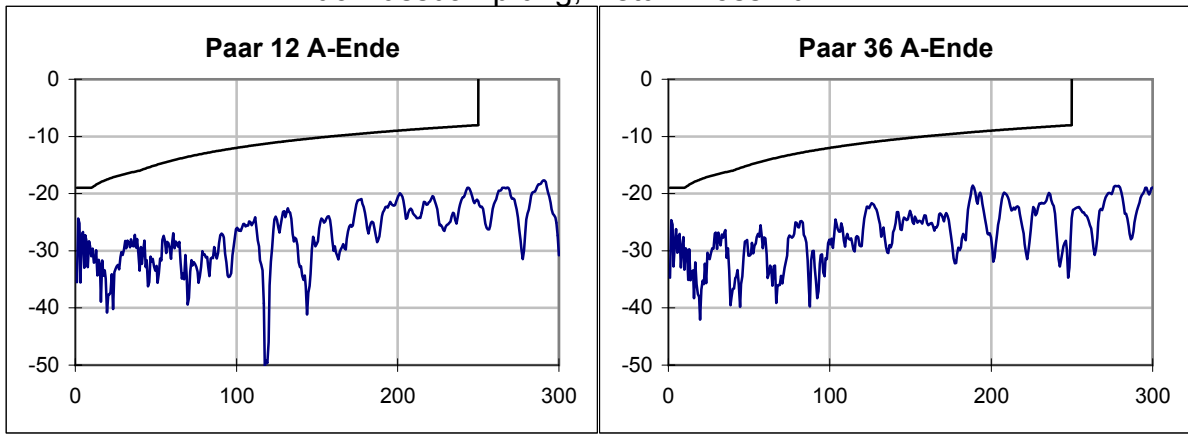




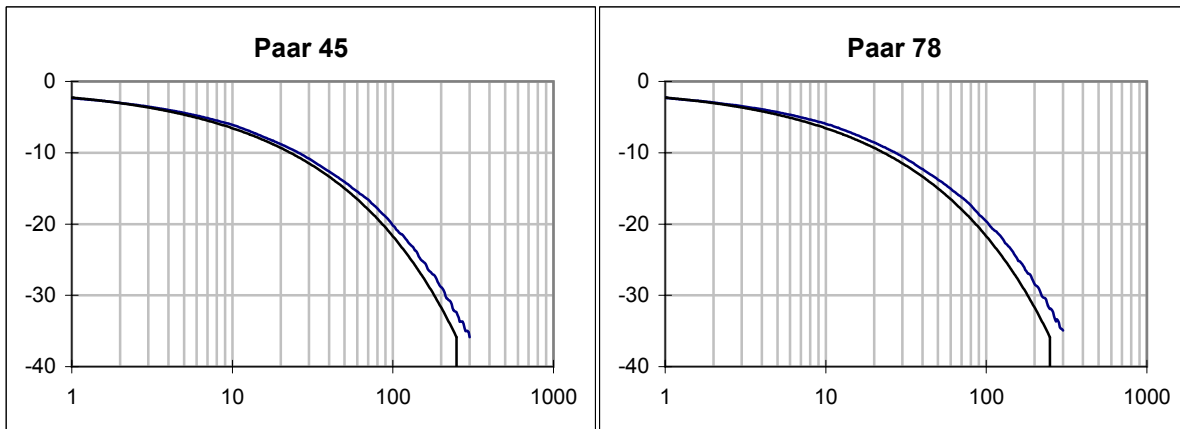
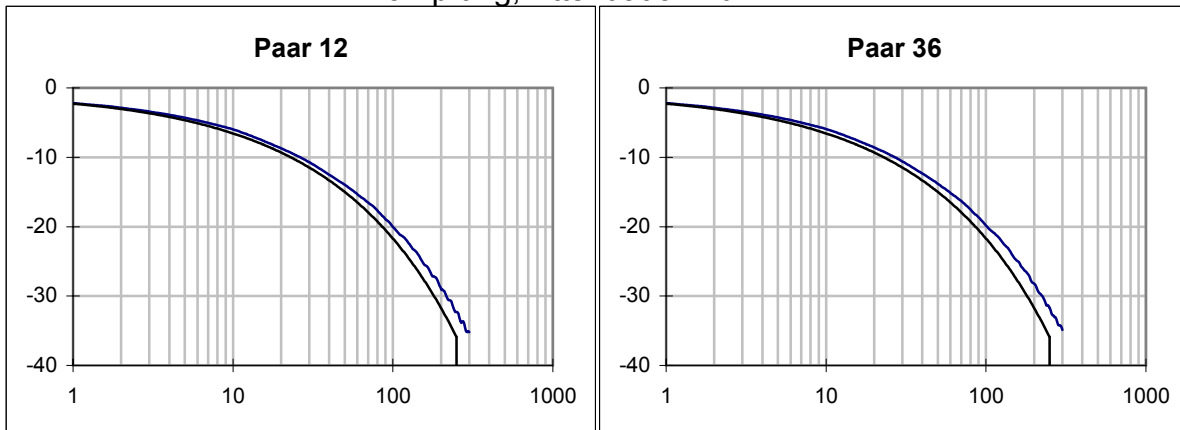
PSACR / dB



Rückflussdämpfung, Return Loss / dB



Dämpfung, Attenuation / dB



Laufzeit, Delay / ns

