



Channel-Messung

Draka Multimedia Cable

Aufbau:

Patch-Kabel A-Ende: **5 m Shielded Giga Channel Patch Cord AWG28 (Panduit-Stecker)**
 Komponente A-Ende: **Panduit CJS688T3**
 Tertiärkabel: **90 m UC400 S24 4P**
 Komponente E-Ende: **Panduit CJS688T3**
 Patch-Kabel E-Ende: **5 m Shielded Giga Channel Patch Cord AWG28 (Panduit-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 N739.
 Das ACR wird bis 300 MHz nicht negativ!*

Ankerfrequenzen / MHz: 100
 250

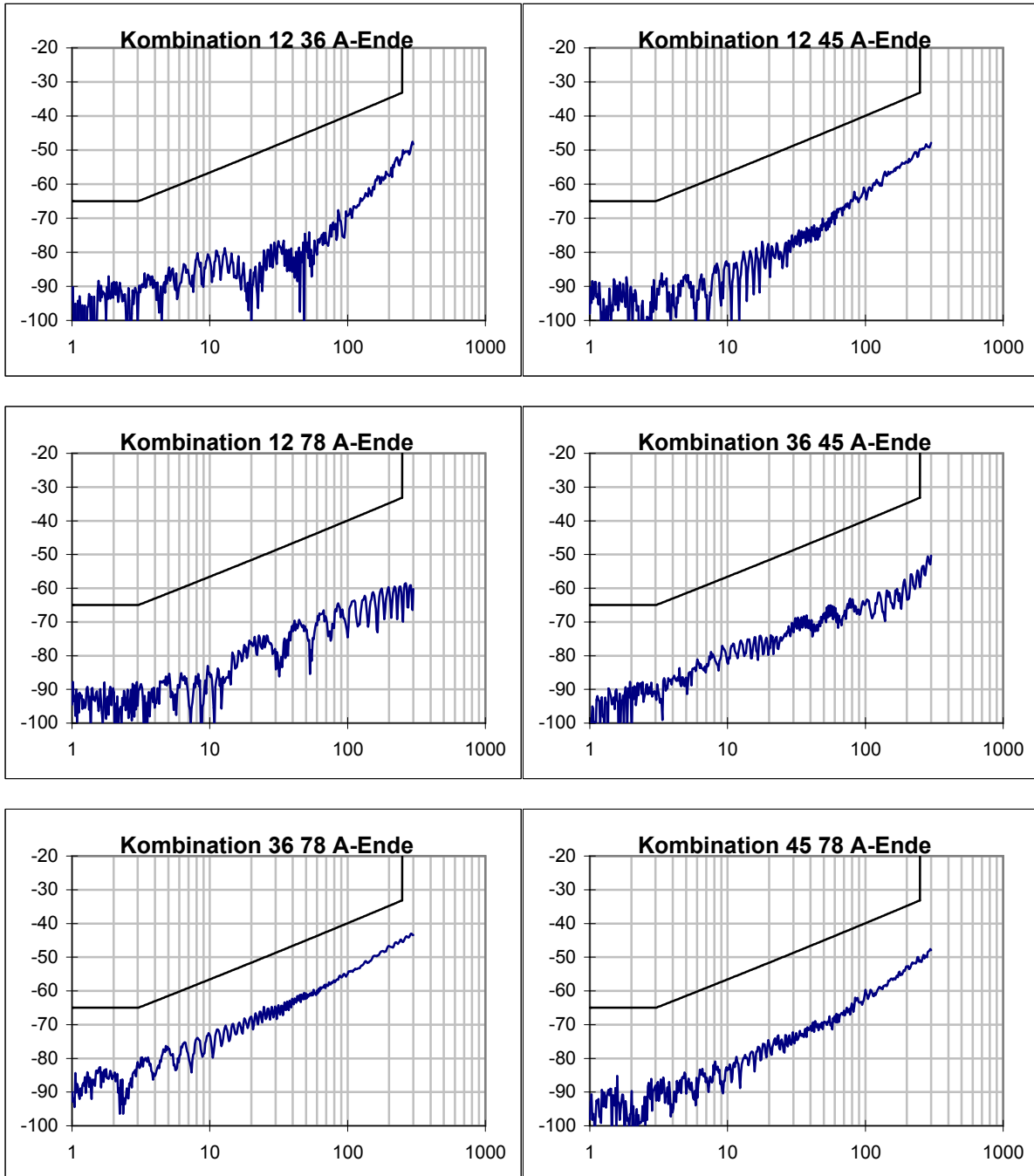
Datum: 20.02.2002
 Prüfer: Dr. C. Pfeiler
 Prüflabor: Draka Multimedia Cable
 Wohlaue Str. 15
 90475 Nürnberg

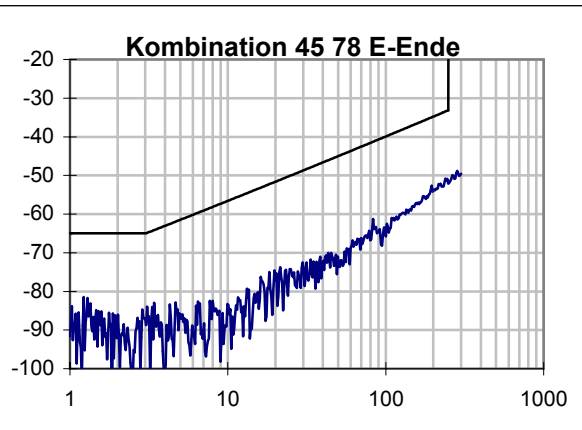
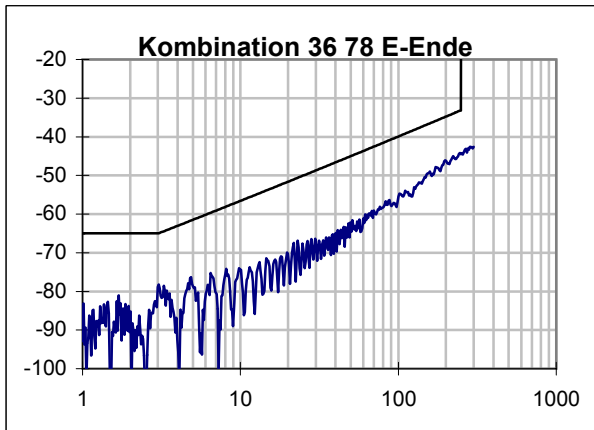
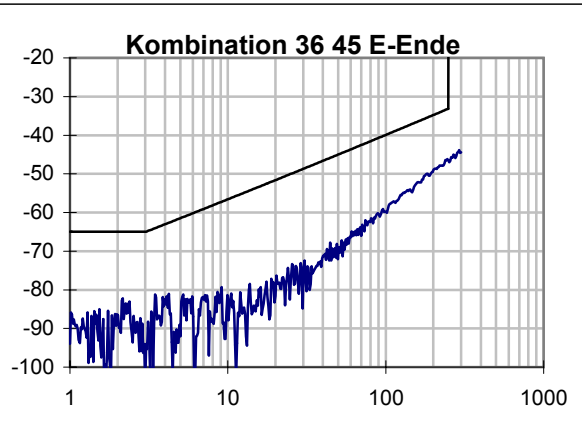
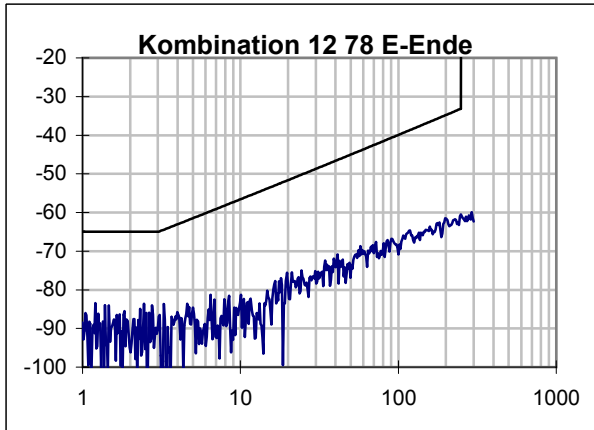
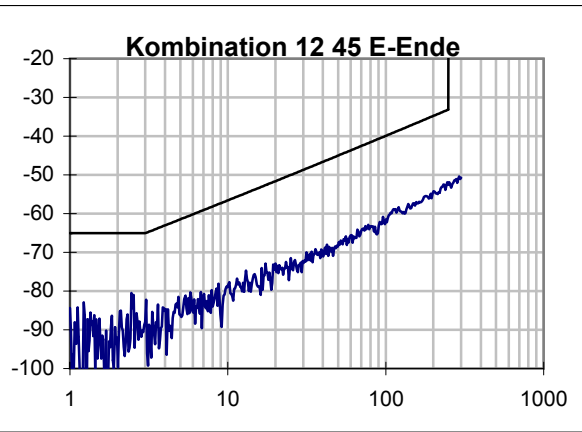
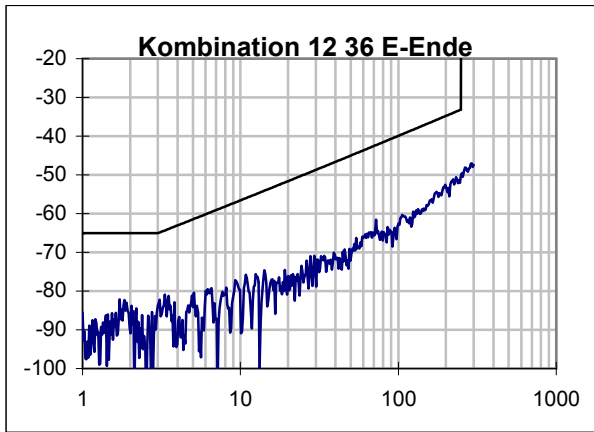
gepr.

Übersicht Ergebnis:

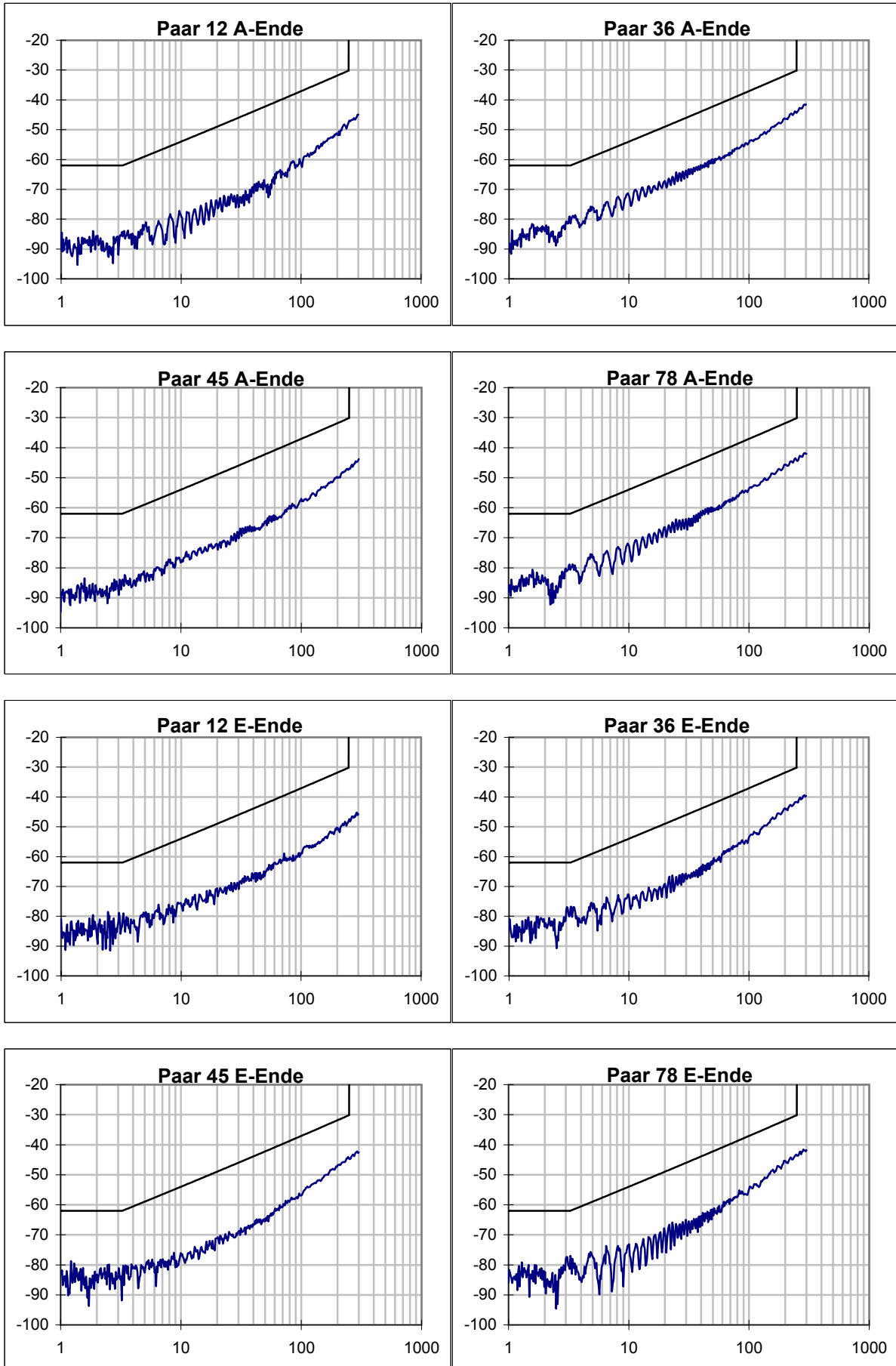
Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	437,5	430,5	429,9	434,0		9,4	50
Dämpfung @ 100MHz/dB	19,72	19,27	19,46	19,03	21,7		
Dämpfung @ 250MHz/dB	31,92	31,37	31,66	30,85	35,9		
min PSNEXT-Res. / dB	16,56	11,35	13,81	12,99			
@ f / MHz	2,46	245,71	245,71	245,71			
PSNEXT Gr. / dB	62,00	30,29	30,29	30,29			
PSNEXT @ 100 MHz	59,51	54,53	56,96	55,84	37,1		
PSNEXT @ 250 MHz	47,99	41,71	44,68	43,69	30,2		
min PSELFEXT-Res. / dB	14,30	13,12	18,59	19,53			
@ f / MHz	210,04	210,04	228,80	249,24			
PSELFEXT Gr. / dB	13,81	13,81	13,07	12,32			
PSELFEXT @ 100 MHz	56,81	40,16	41,00	46,10	20,3		
PSELFEXT @ 250 MHz	32,76	27,95	31,77	31,85	12,3		
min PSACR-Reserve / dB	16,7	15,1	16,9	15,3			
@ f / MHz	2,5	3,3	1,2	3,3			
PSACR Grenz. / dB	58,7	58,2	59,5	58,2			
PSACR @ 100 MHz	39,80	35,19	37,52	36,52	15,4		
PSACR @ 250 MHz	16,08	10,26	13,17	12,27	-5,8		
min RL-Reserve / dB	13,6	6,6	9,8	10,5			
@ f / MHz	168,4	146,8	249,9	146,8			
RL Grenzwert / dB	9,7	10,3	8,0	10,3			
Kombination	12 36	12 45	12 78	36 45	36 78	45 78	Grenzwert
min NEXT-Reserve / dB	16,58	15,50	18,48	12,90	10,94	16,45	
@ f / MHz	3,31	2,46	1,20	245,71	245,71	1,22	
NEXT Grenzw. /dB	64,36	65,00	65,00	33,24	33,24	65,00	
NEXT @ 100 MHz	63,37	62,71	69,16	59,87	56,92	63,49	39,9
NEXT @ 250 MHz	50,25	52,57	60,53	46,50	44,48	52,12	33,1
min ELFEXT-Res. / dB	11,5	19,4	22,3	16,4	17,2	22,4	
@ f / MHz	210,0	1,2	1,0	225,6	249,2	1,2	
ELFEXT Grw. /dB	16,81	61,77	63,26	16,19	15,32	61,52	
ELFEXT @ 100 MHz	71,31	61,64	58,77	41,20	46,91	55,45	23,3
ELFEXT @ 250 MHz	33,44	46,19	42,75	32,25	32,56	43,45	15,3
min ACR-Reserve/ dB	16,8	15,7	18,6	17,3	13,5	16,6	
@ f / MHz	3,3	2,5	1,2	2,2	3,0	1,2	
ACR Grenzw. /dB	60,5	61,7	62,6	61,9	61,3	62,5	
ACR @ 100 MHz	43,65	42,99	49,44	40,60	37,64	44,02	18,2
ACR @ 250 MHz	18,33	20,65	28,61	15,14	13,11	20,46	-2,8

NEXT / dB

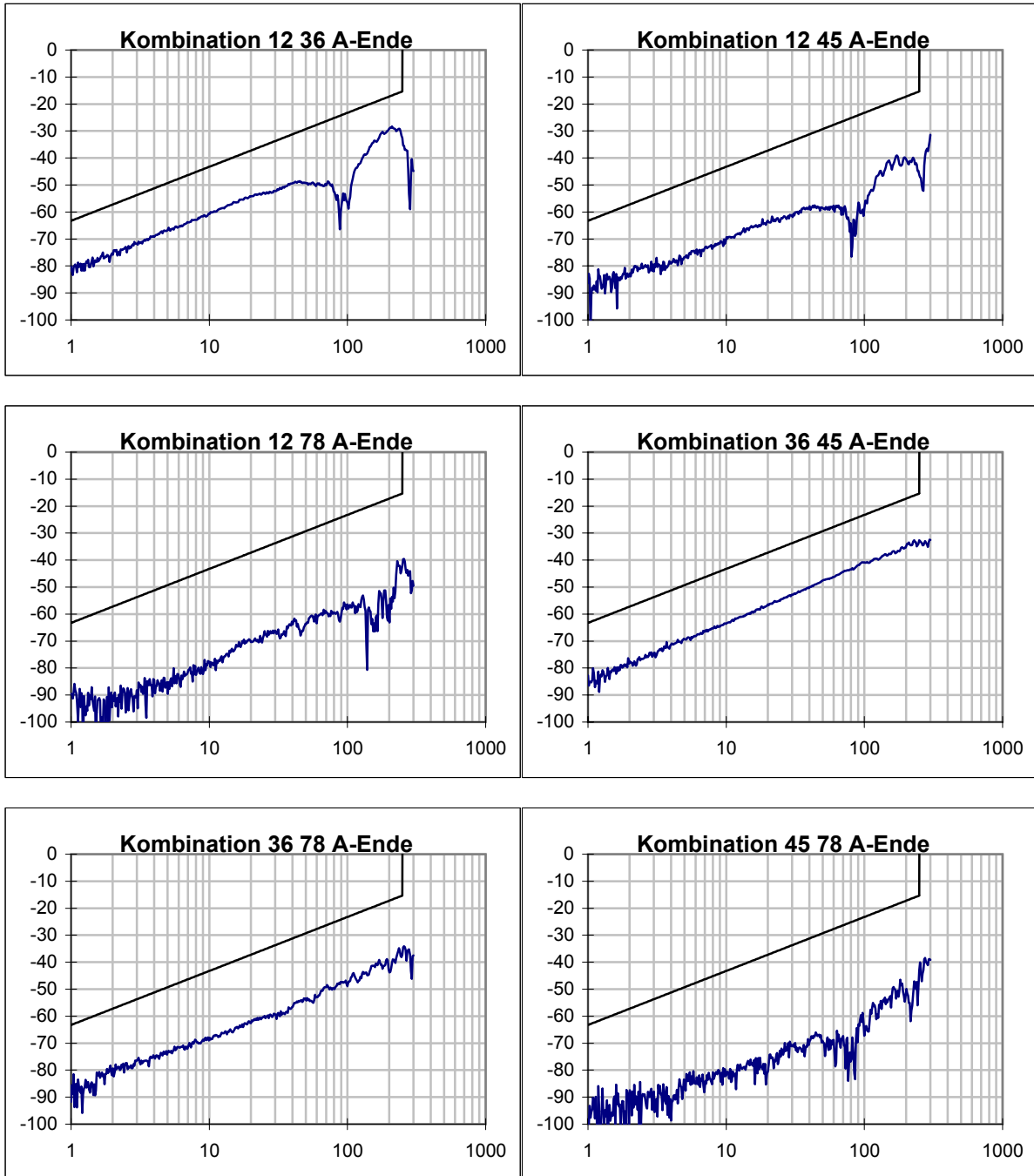


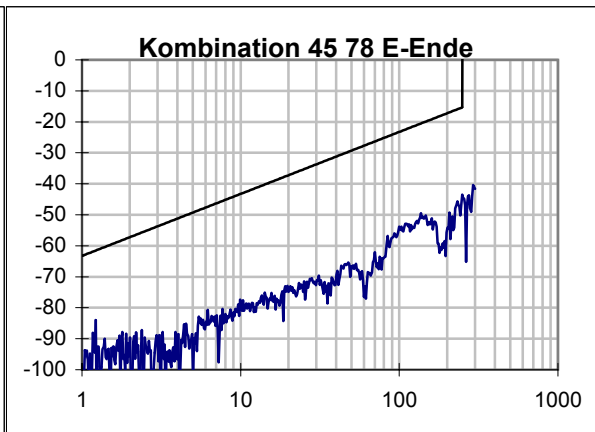
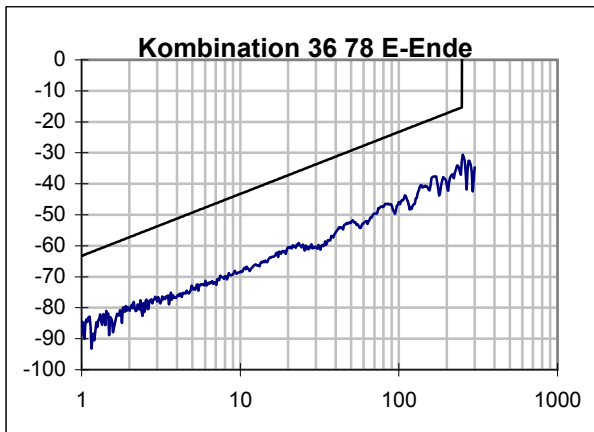
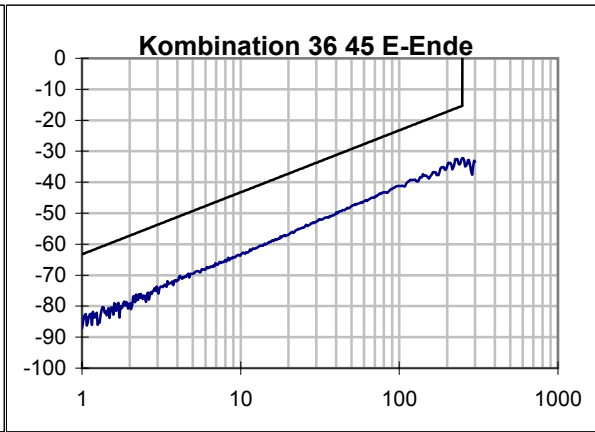
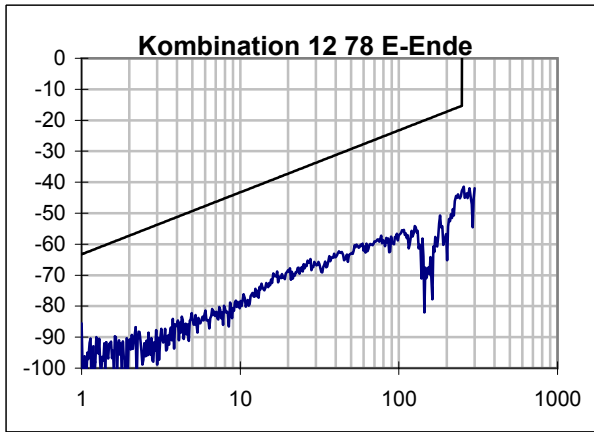
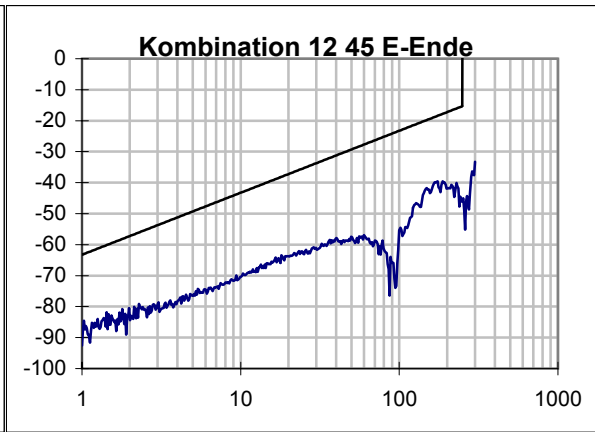
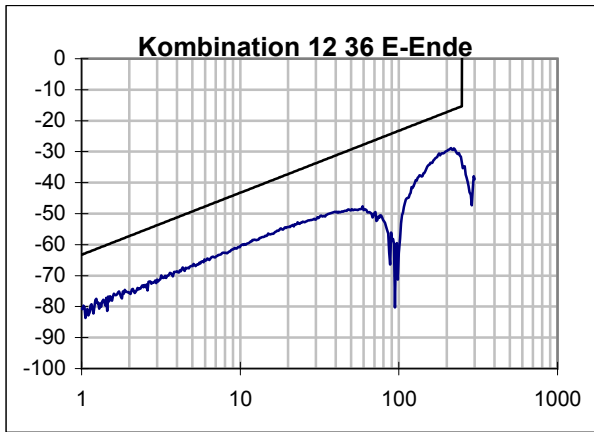


PSNEXT / dB

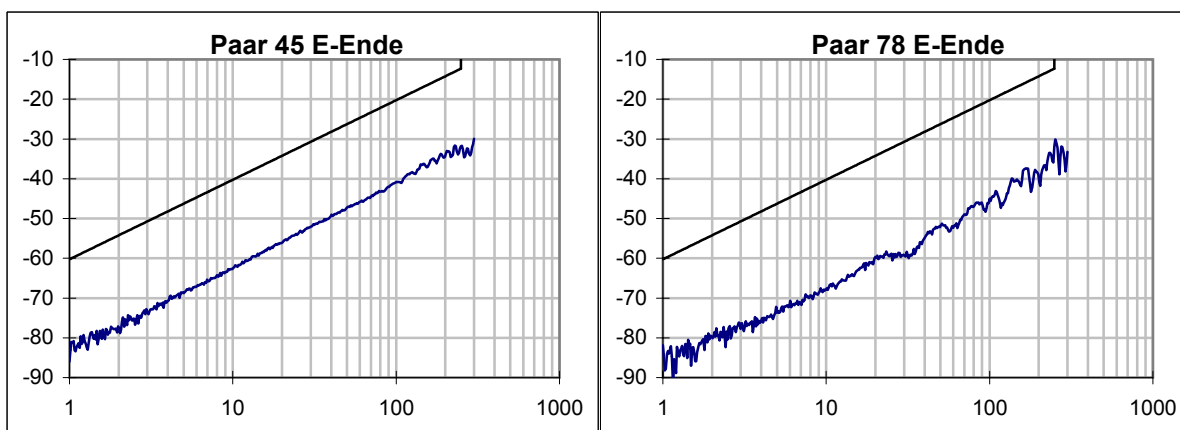
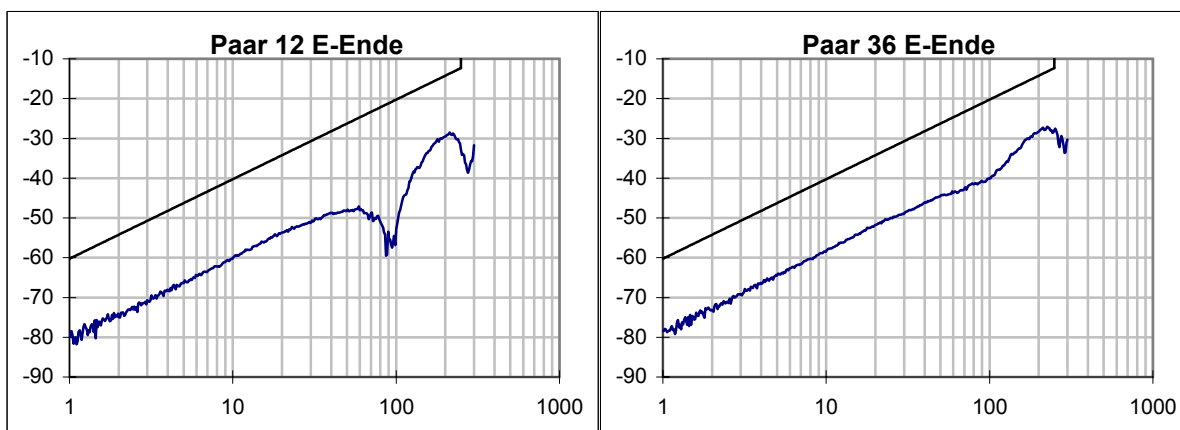
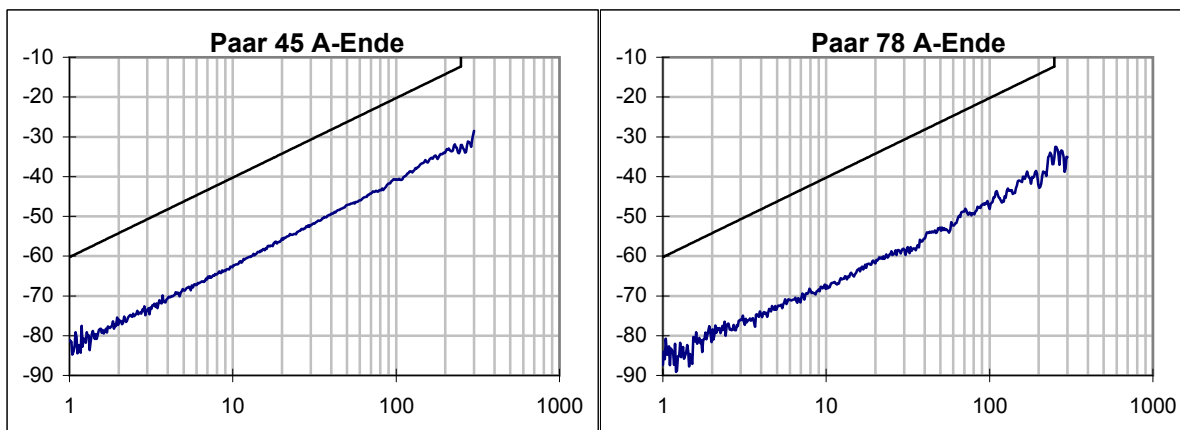
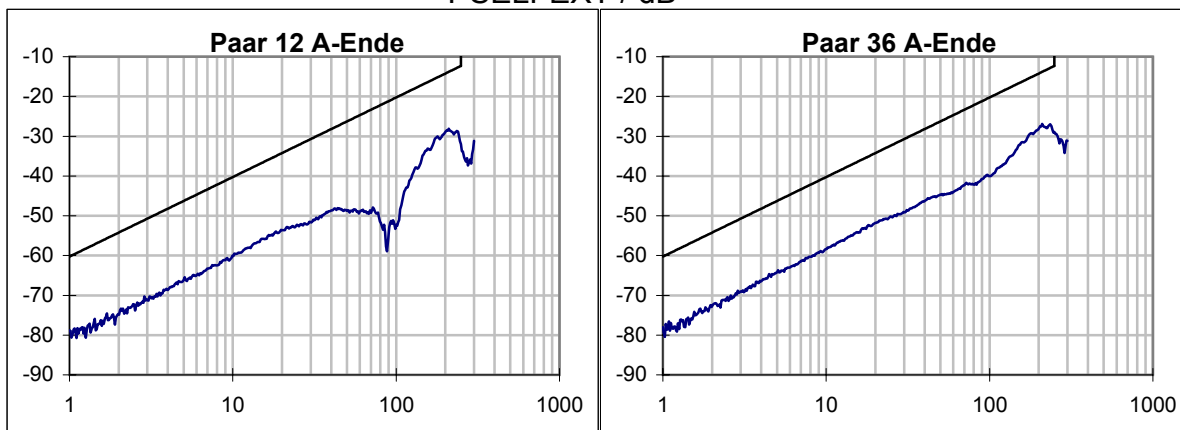


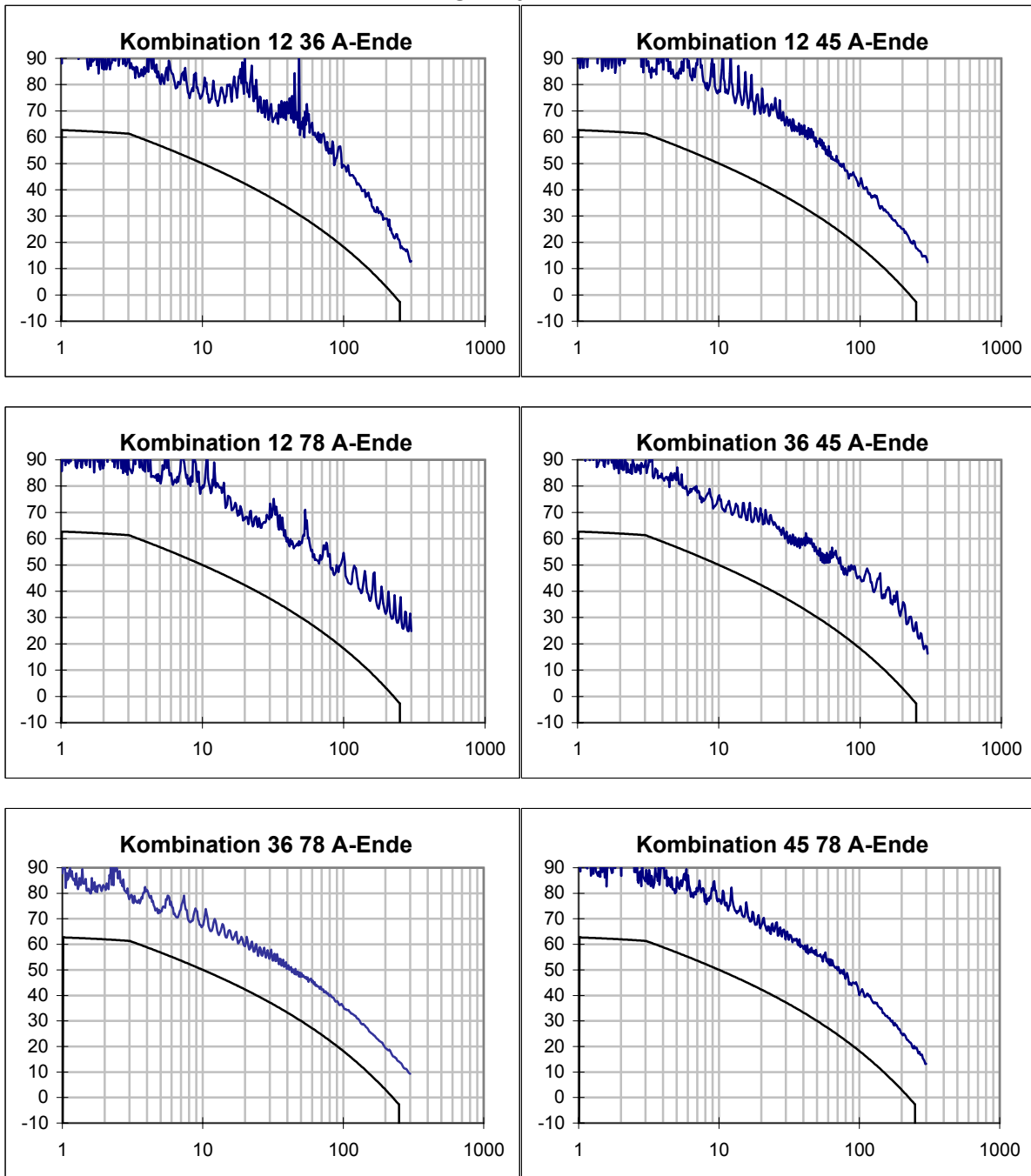
ELFEXT / dB

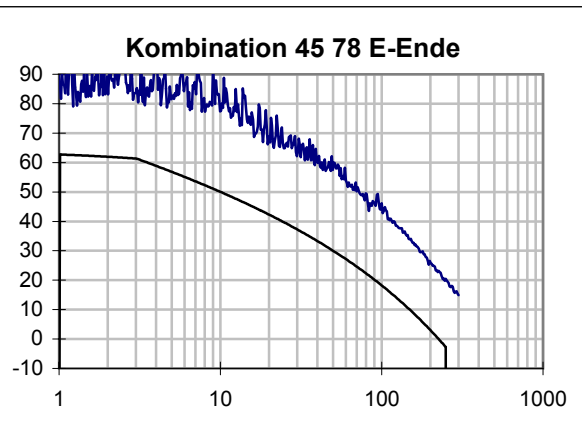
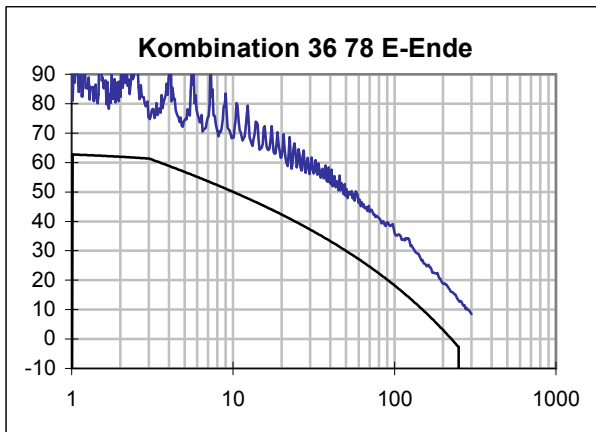
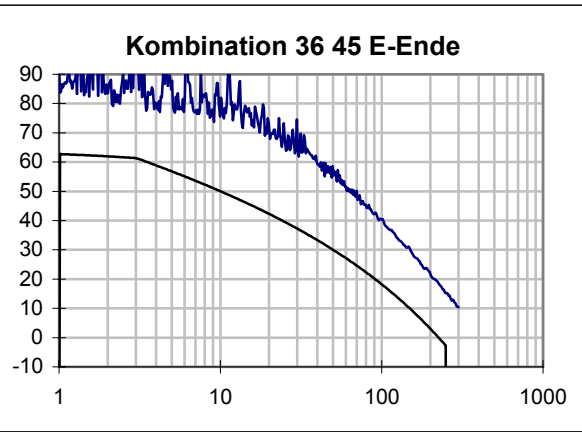
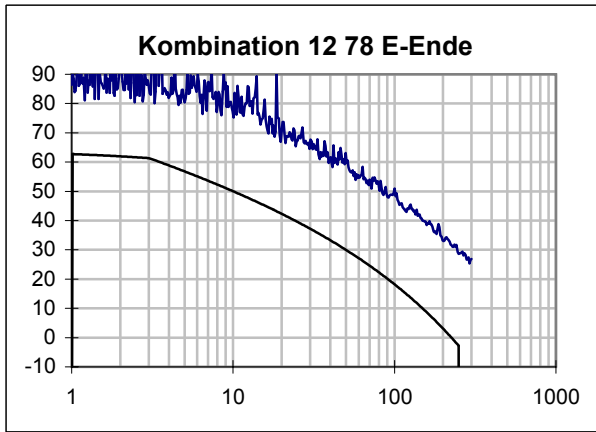
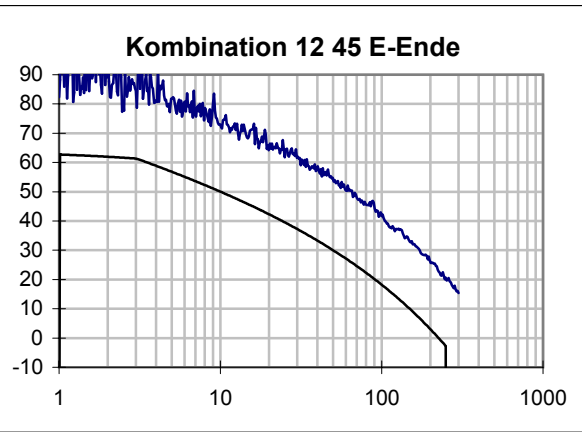
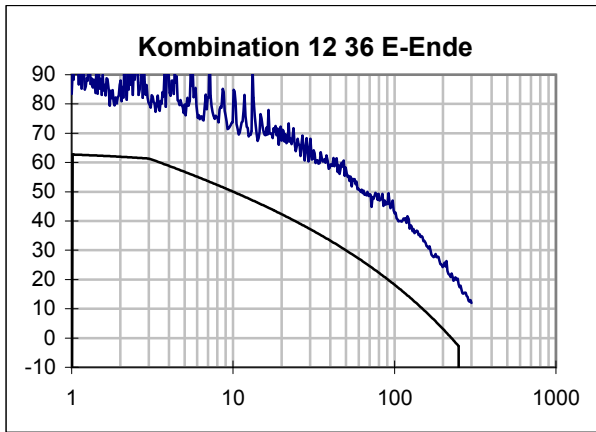




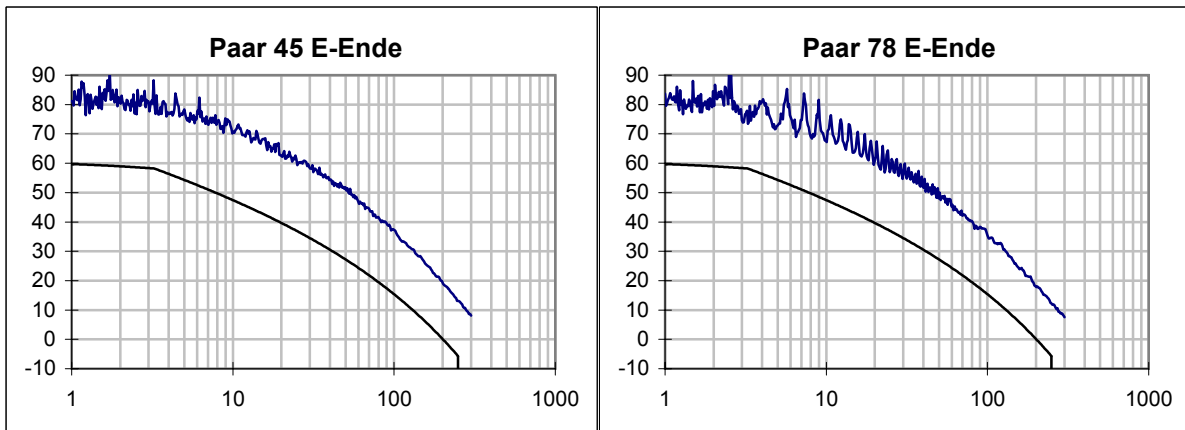
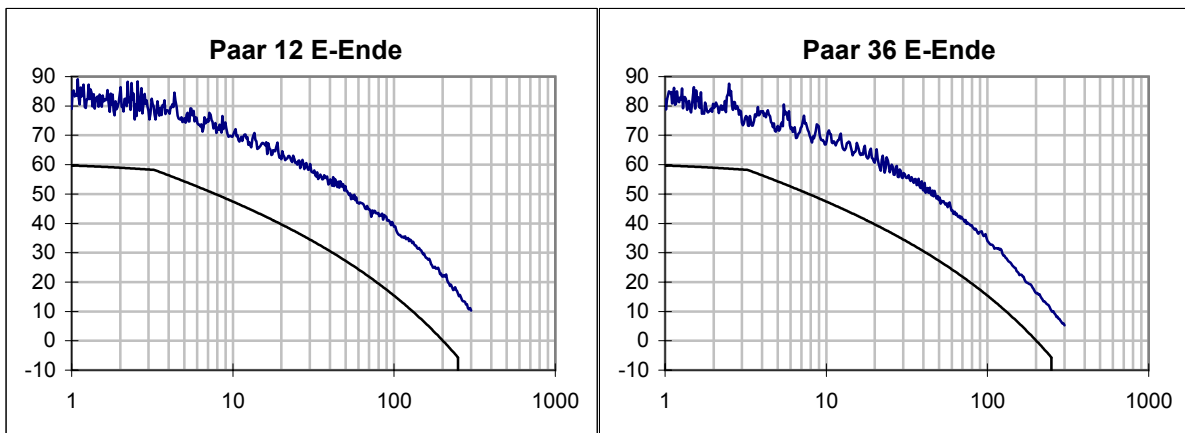
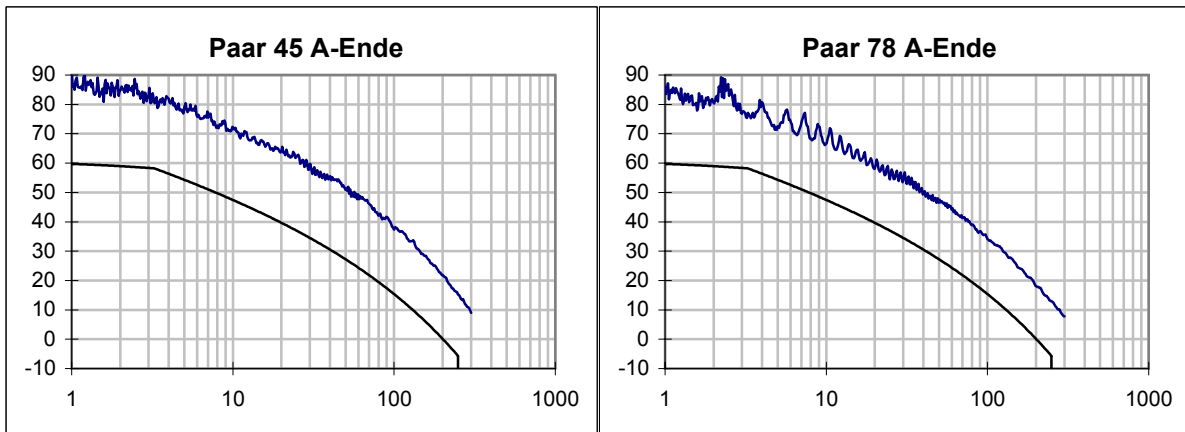
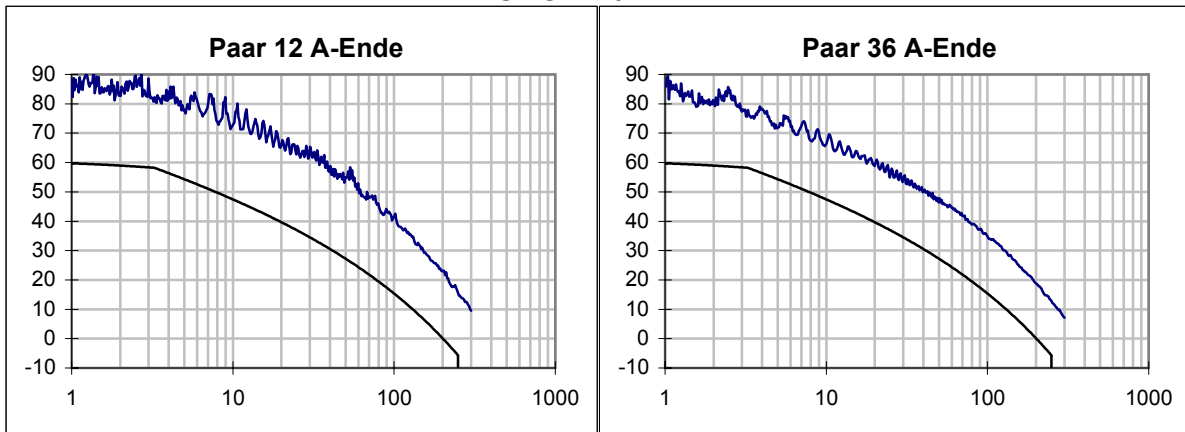
PSELFEXT / dB



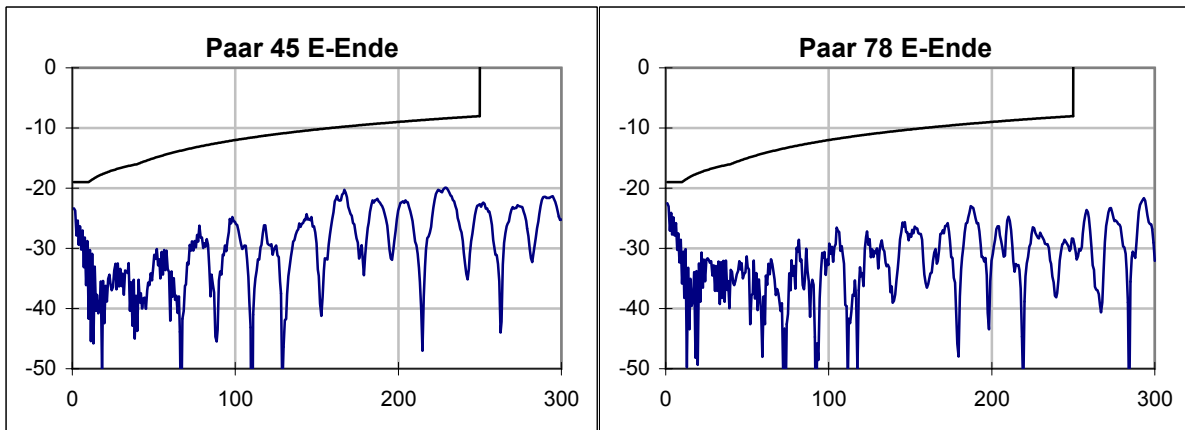
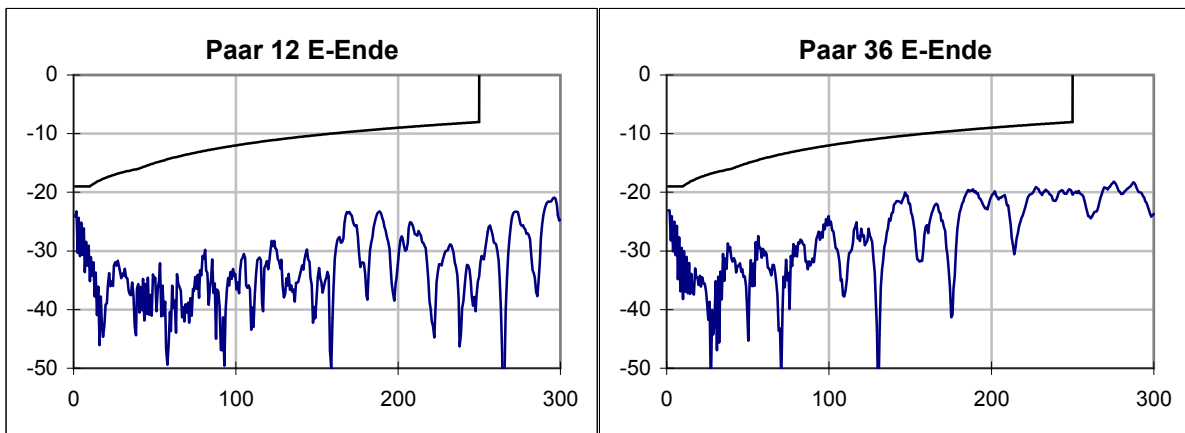
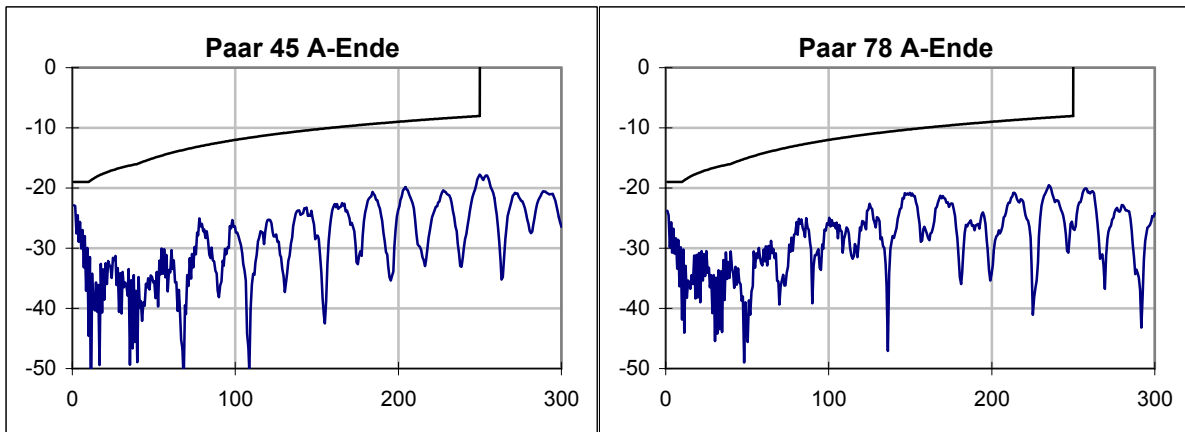
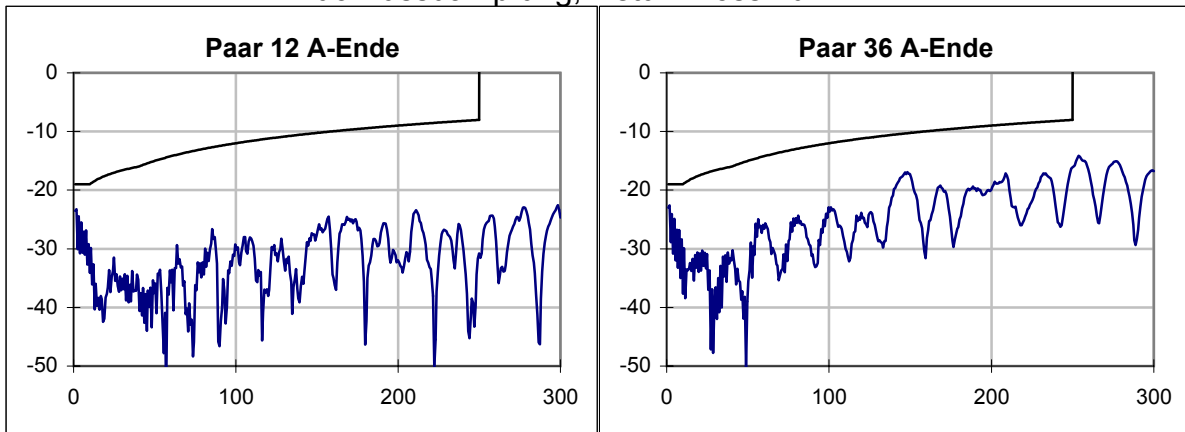




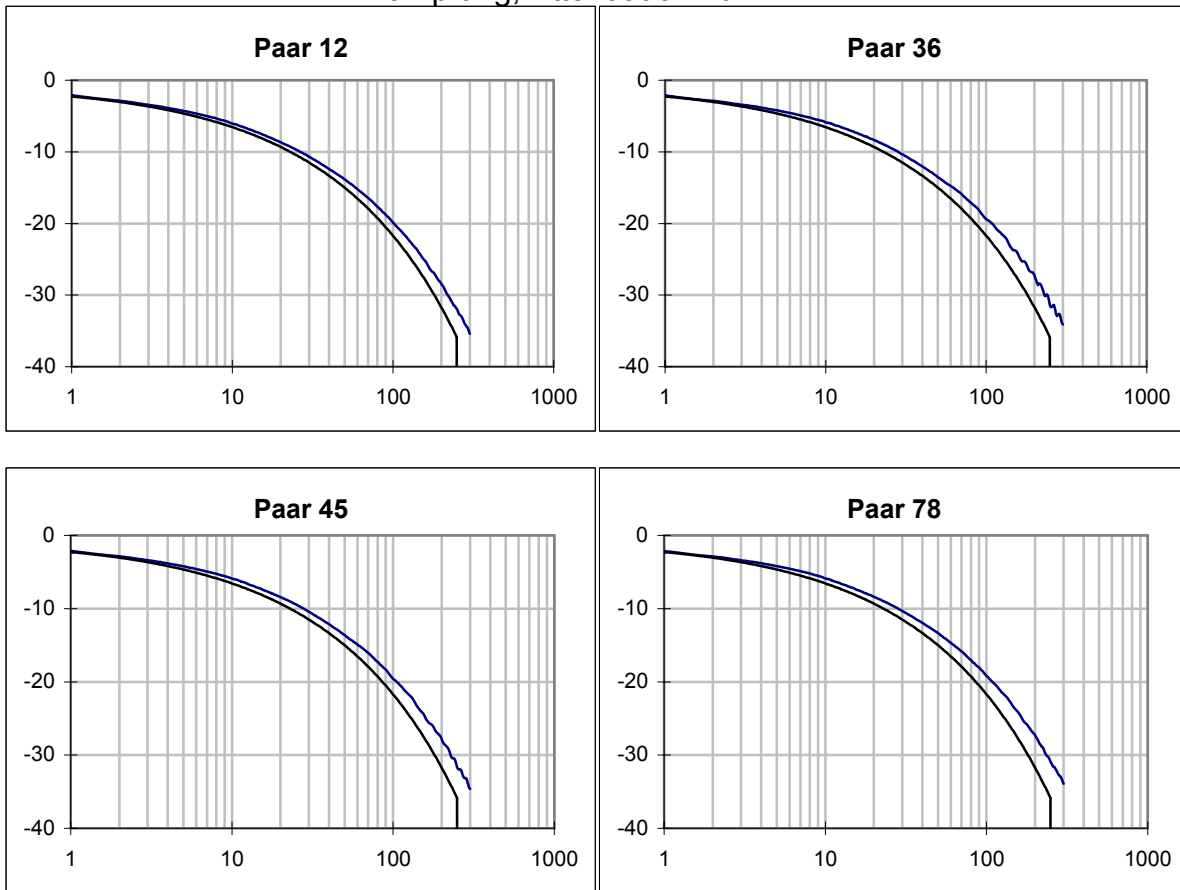
PSACR / dB



Rückflusdämpfung, Return Loss / dB



Dämpfung, Attenuation / dB



Laufzeit, Delay / ns

