



Channel-Messung

Draka Multimedia Cable

Aufbau:

Patch-Kabel A-Ende: **5 m UC600 SS27 4P (AMP EMT-Stecker)**
 Komponente A-Ende: **Panduit CJS688T**
 Tertiärkabel: **90 m UC600 SS23/1 4P**
 Komponente E-Ende: **Panduit CJS688T**
 Patch-Kabel E-Ende: **5 m UC600 SS27 4P (AMP EMT-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
 250

Datum: 06.04.2001
 Prüfer: Dr. C. Pfeiler
 Prüflabor: Draka Multimedia Cable
 Wohlaue Str. 15
 90475 Nürnberg

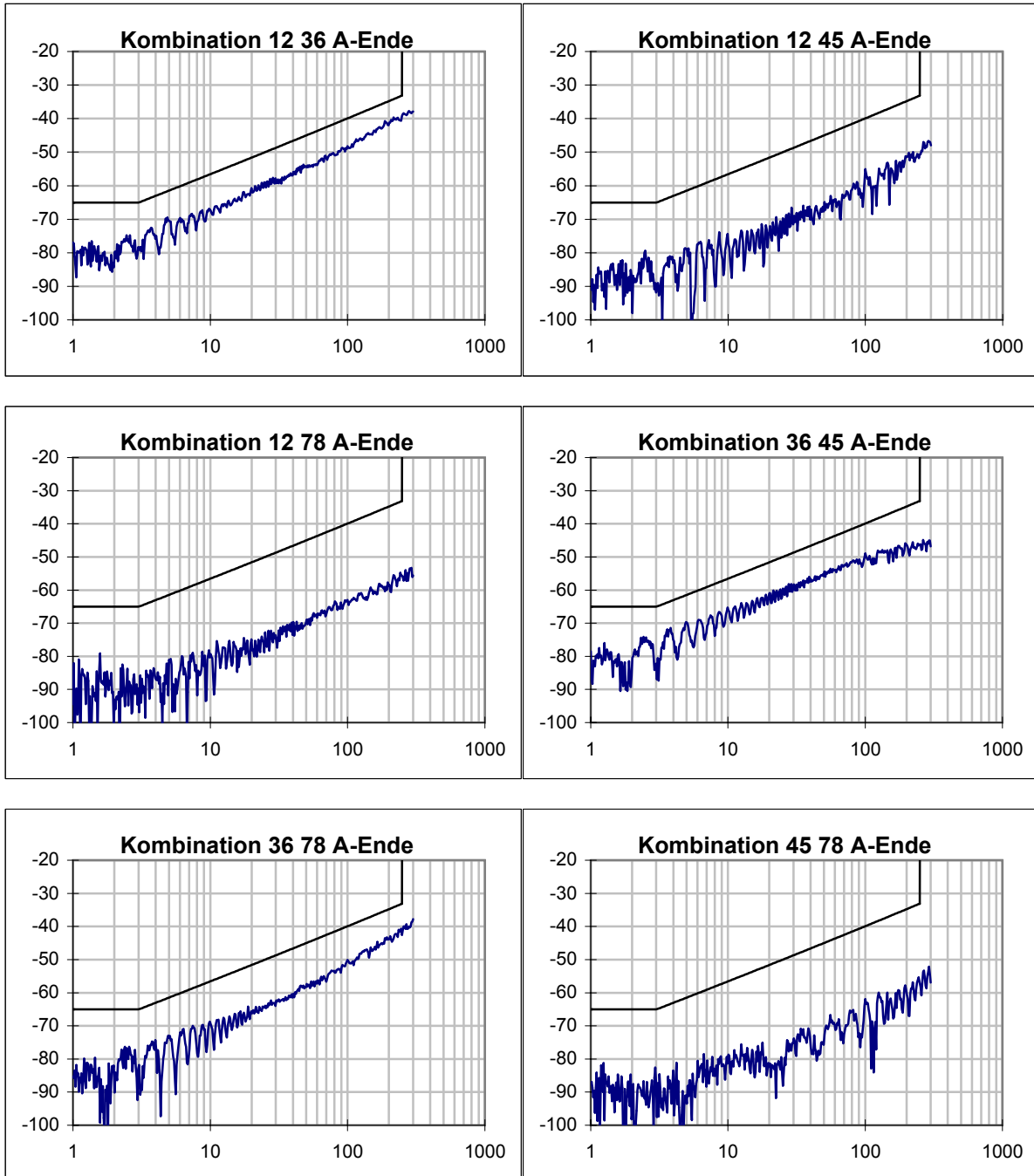
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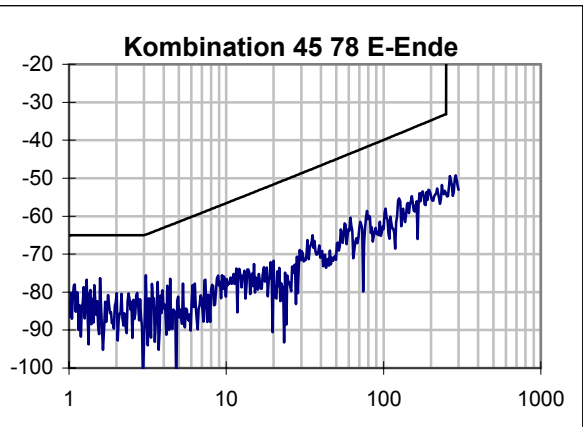
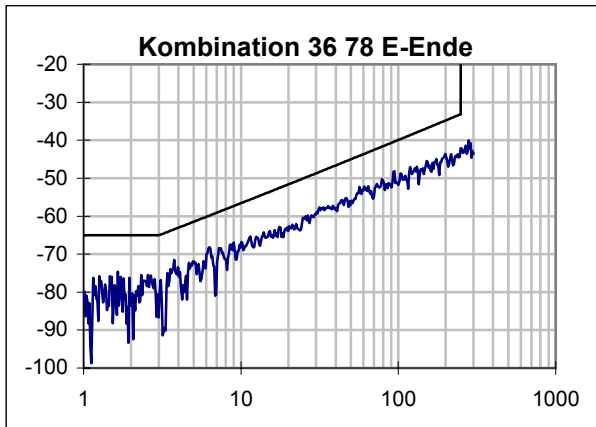
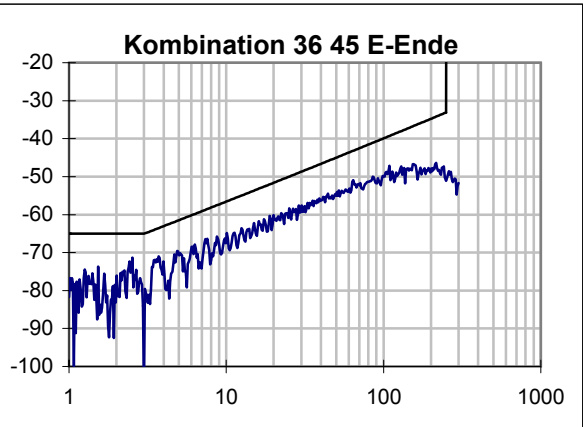
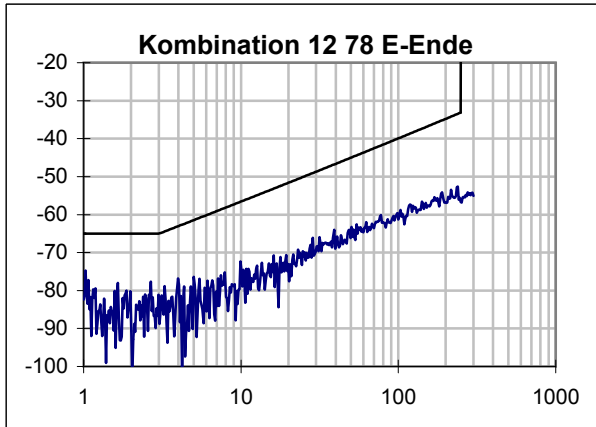
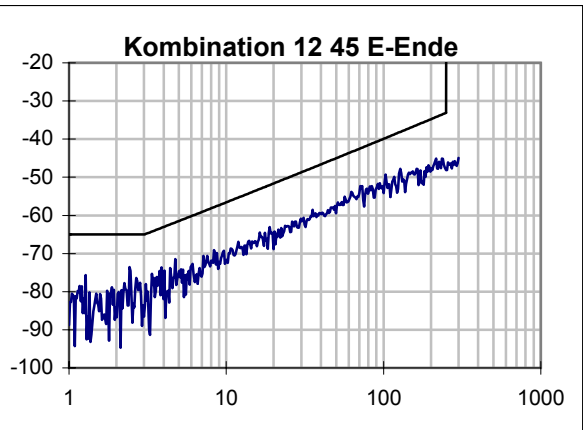
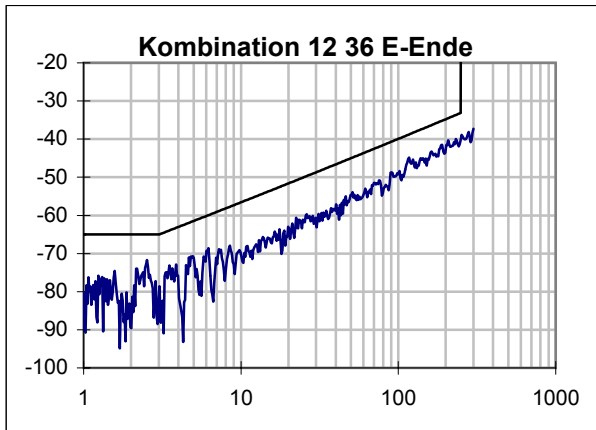
Übersicht Ergebnis:

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	7,56	6,07	7,61	10,13			
@ f / MHz	117,06	2,53	2,42	10,13			
PSNEXT Gr. / dB	35,90	62,00	62,00	53,90			
PSNEXT @ 100 MHz	47,06	45,14	47,73	50,41	37,1		
PSNEXT @ 250 MHz	39,47	37,84	45,65	41,70	30,2		
min PSELFEXT-Res. / dB	12,15	13,62	14,72	16,50			
@ f / MHz	1,06	1,29	1,06	1,06			
PSELFEXT Gr. / dB	59,76	58,03	59,76	59,76			
PSELFEXT @ 100 MHz	41,61	41,51	47,54	48,94	20,3		
PSELFEXT @ 250 MHz	33,34	32,64	36,72	35,87	12,3		
min PSACR-Reserve / dB	9,0	6,3	7,8	10,8			
@ f / MHz	2,5	2,5	2,4	3,8			
PSACR Grenz. / dB	58,7	58,6	58,7	56,9			
PSACR @ 100 MHz	27,64	25,52	28,09	30,71	15,4		
PSACR @ 250 MHz	7,58	5,99	13,82	9,93	-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			

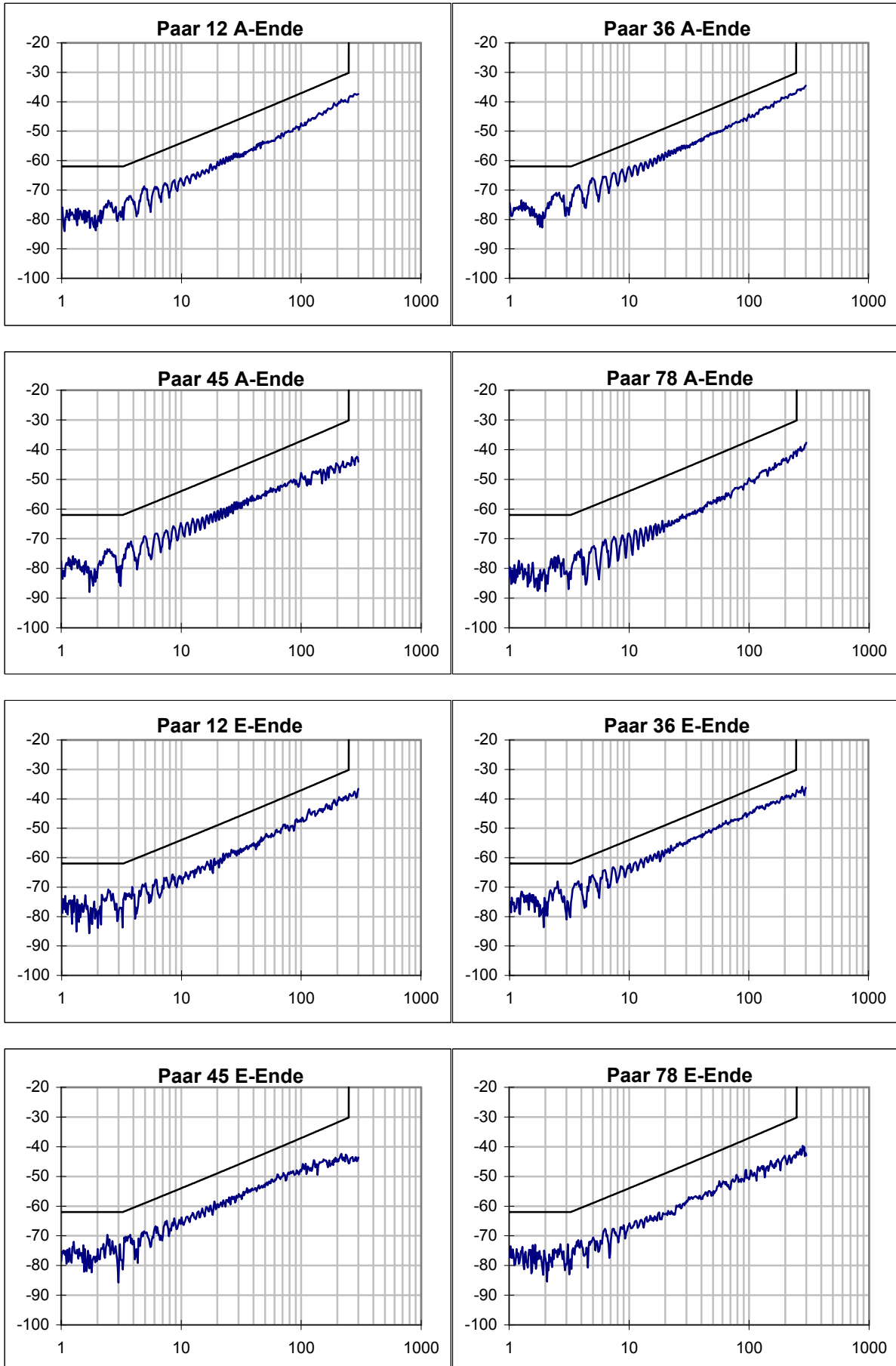
Kombination	12 36	12 45	12 78	36 45	36 78	45 78	Grenzwert
min NEXT-Reserve / dB	5,46	8,54	9,84	6,33	7,40	10,71	
@ f / MHz	216,12	2,42	1,03	2,53	235,42	3,08	
NEXT Grenzw. /dB	34,20	65,00	65,00	65,00	33,56	64,86	
NEXT @ 100 MHz	48,96	52,30	59,58	49,81	51,27	62,74	39,9
NEXT @ 250 MHz	40,21	48,10	56,67	51,11	42,11	54,02	33,1
min ELFEXT-Res. / dB	11,6	12,1	16,4	14,6	16,7	18,8	
@ f / MHz	1,3	1,1	1,1	1,2	1,1	1,2	
ELFEXT Grw. /dB	61,03	62,76	62,76	61,52	62,76	62,02	
ELFEXT @ 100 MHz	42,63	48,51	65,33	54,54	49,05	75,28	23,3
ELFEXT @ 250 MHz	35,03	38,69	48,64	45,05	37,01	43,34	15,3
min ACR-Reserve/ dB	6,9	8,8	10,0	6,6	8,4	11,0	
@ f / MHz	2,5	2,4	1,0	2,5	3,8	3,1	
ACR Grenzw. /dB	61,6	61,7	62,7	61,6	59,4	61,2	
ACR @ 100 MHz	29,54	32,88	40,16	30,06	31,52	43,17	18,2
ACR @ 250 MHz	8,32	16,20	24,78	19,34	10,34	22,28	-2,8

NEXT / dB

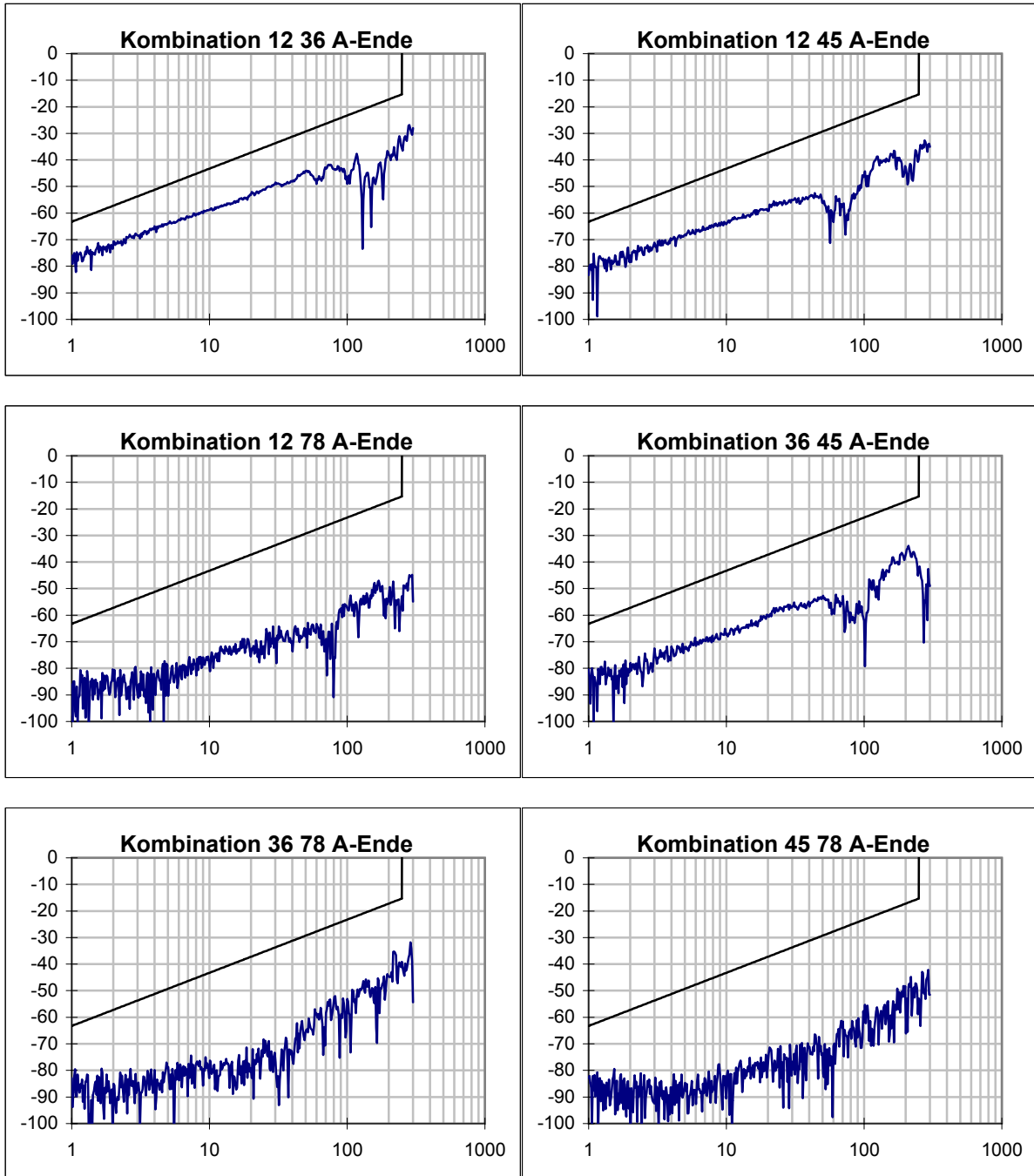


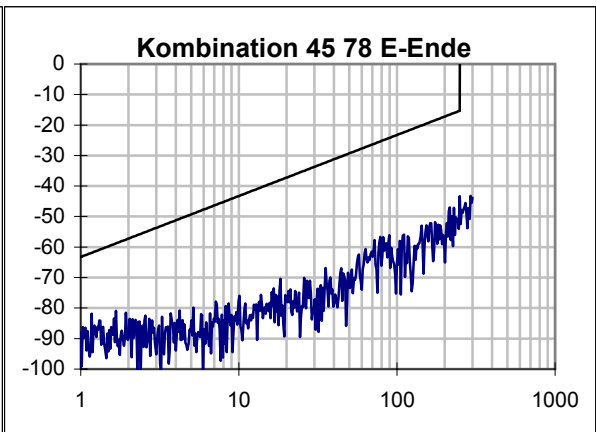
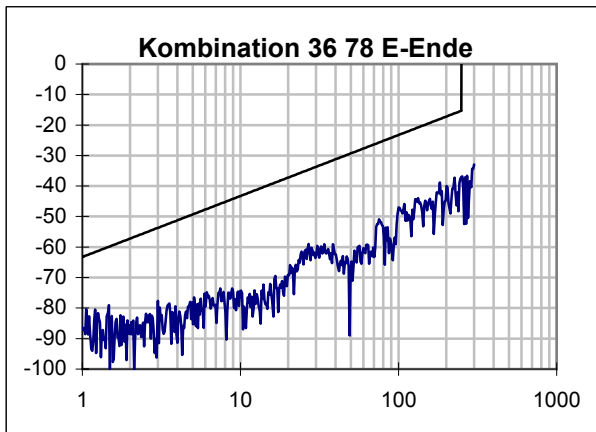
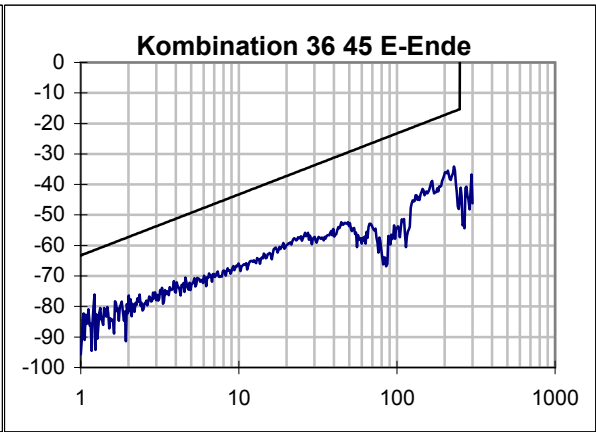
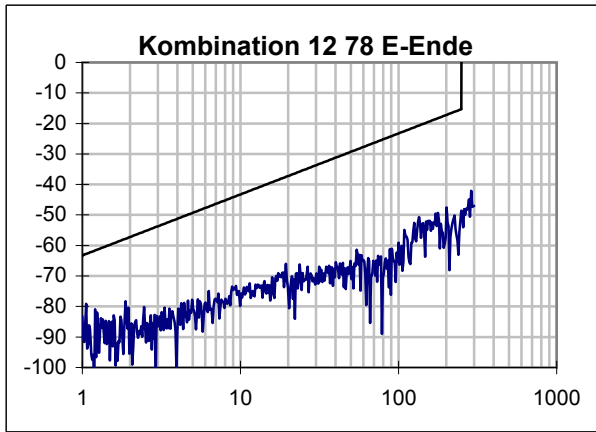
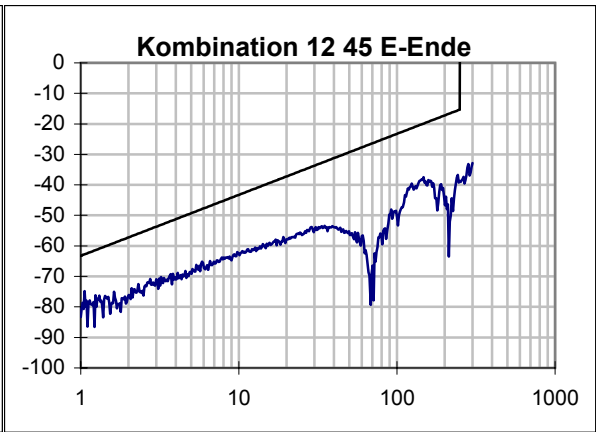
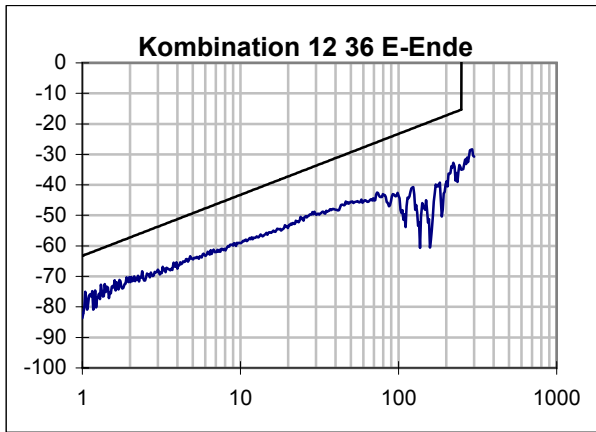


PSNEXT / dB

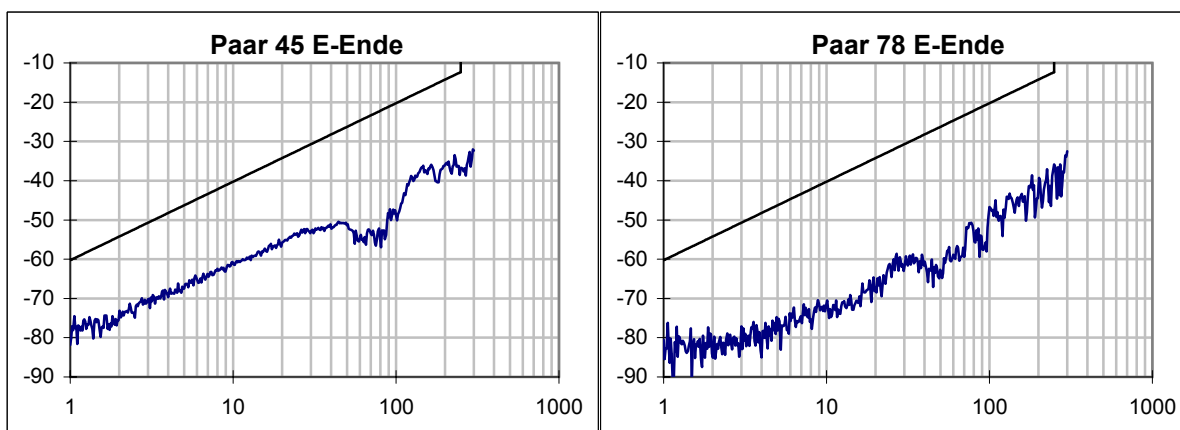
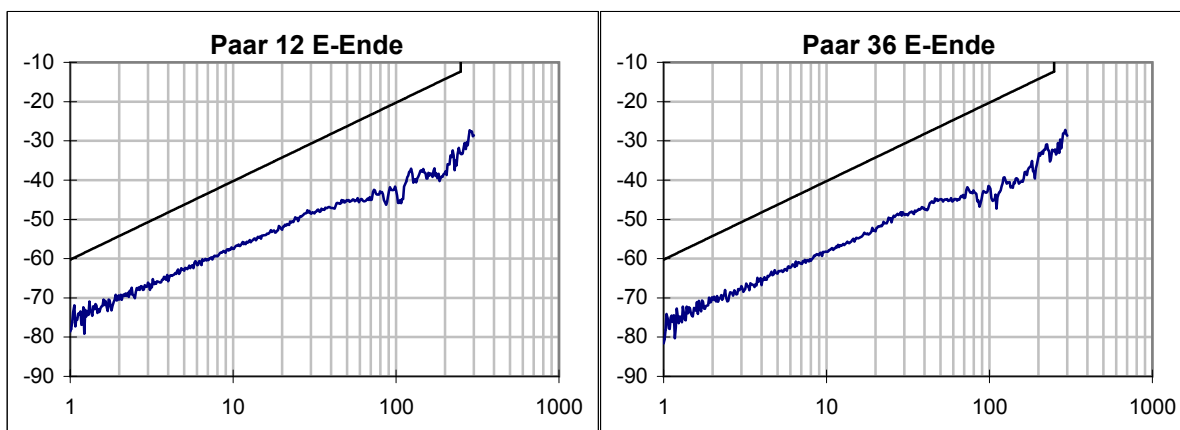
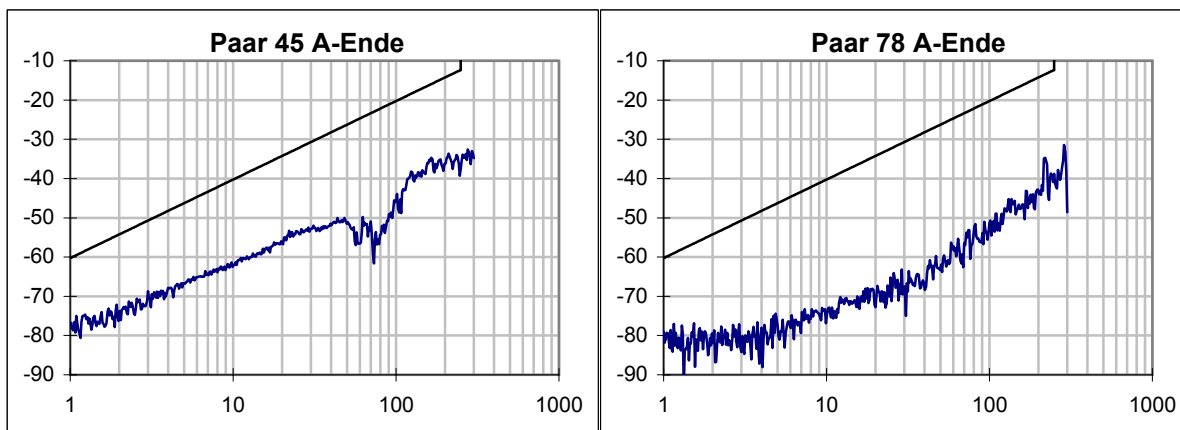
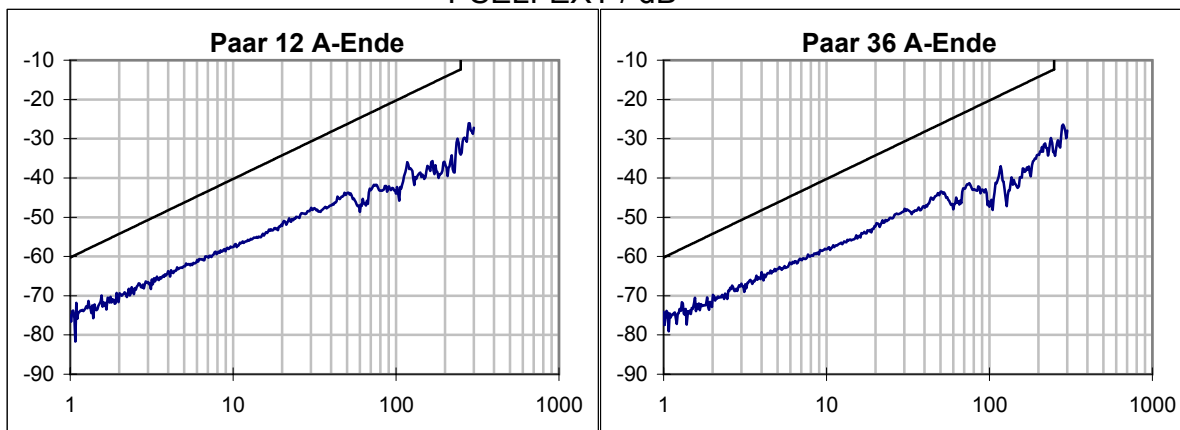


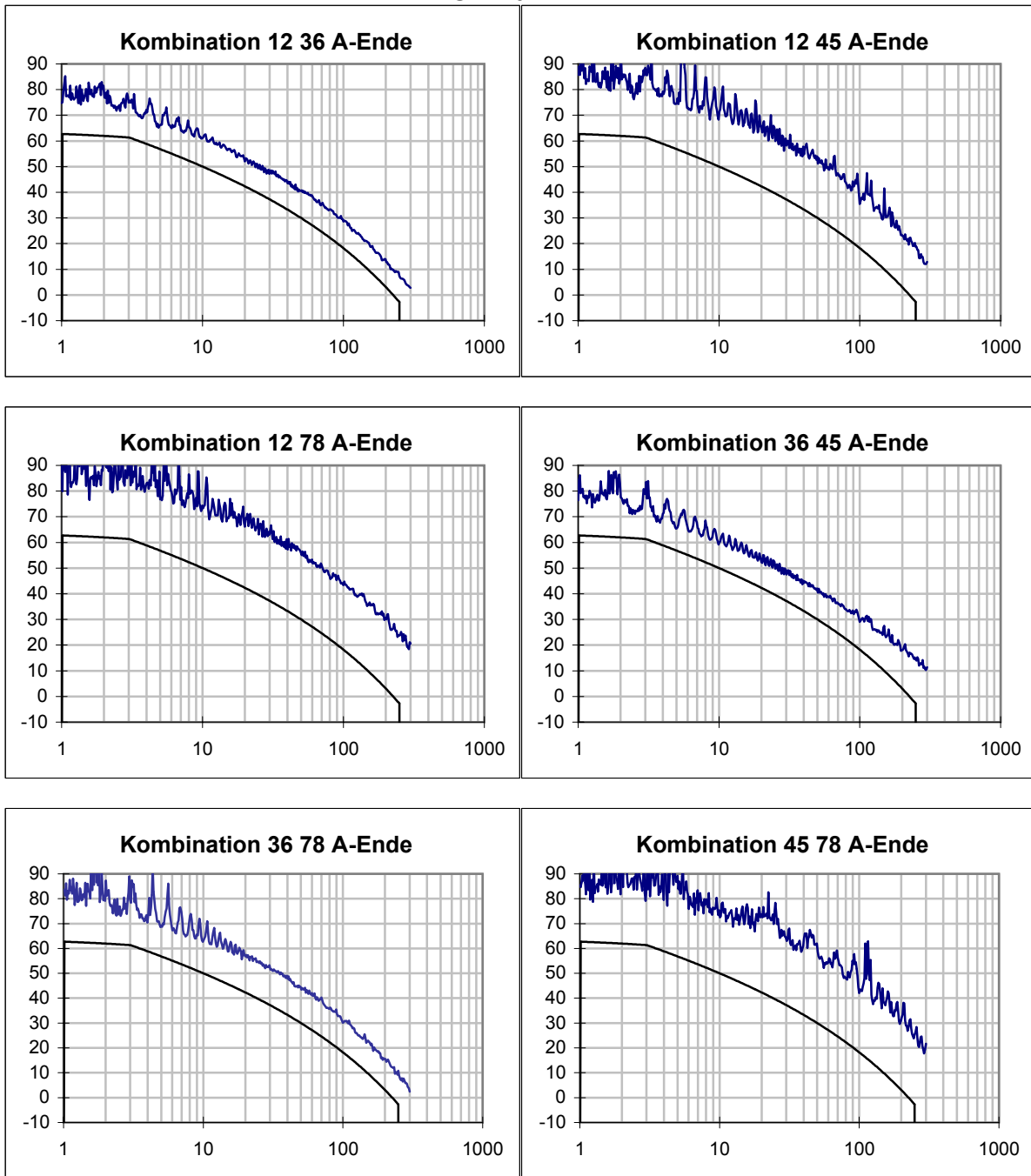
ELFEXT / dB



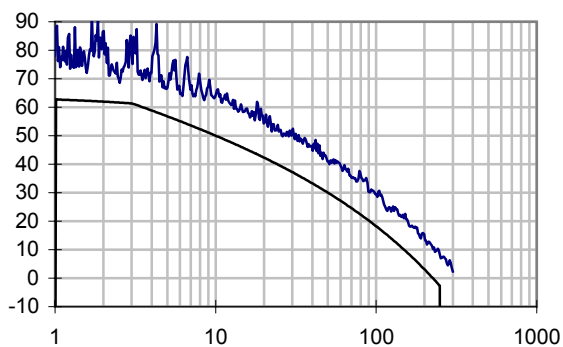


PSELFEXT / dB

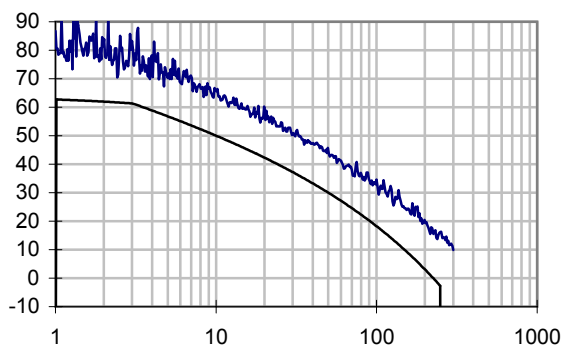




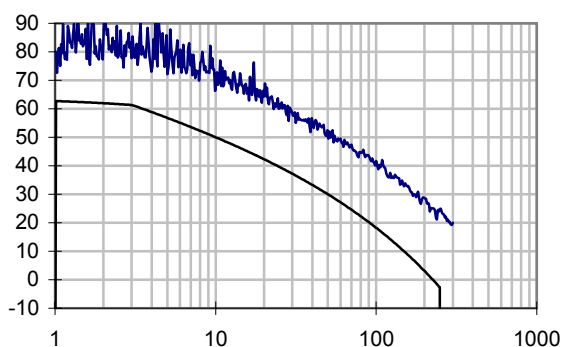
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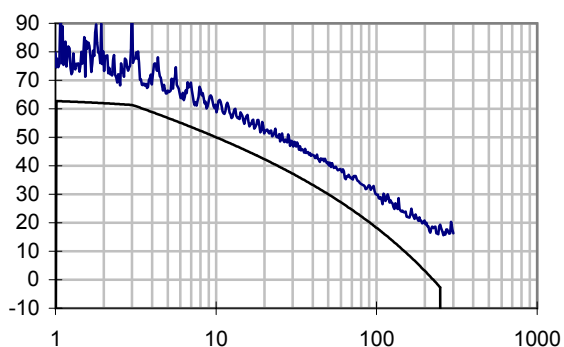
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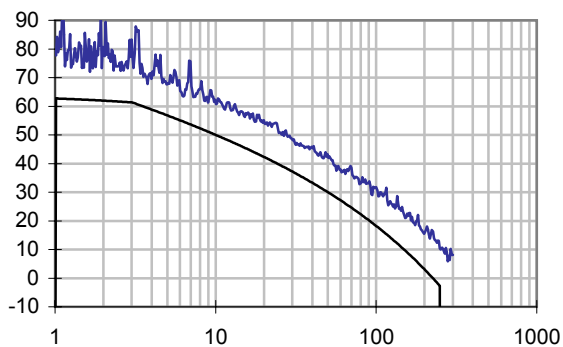
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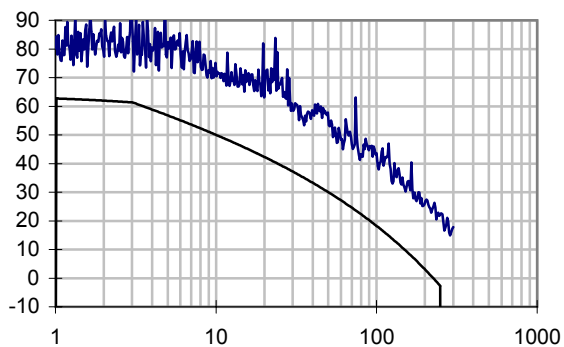
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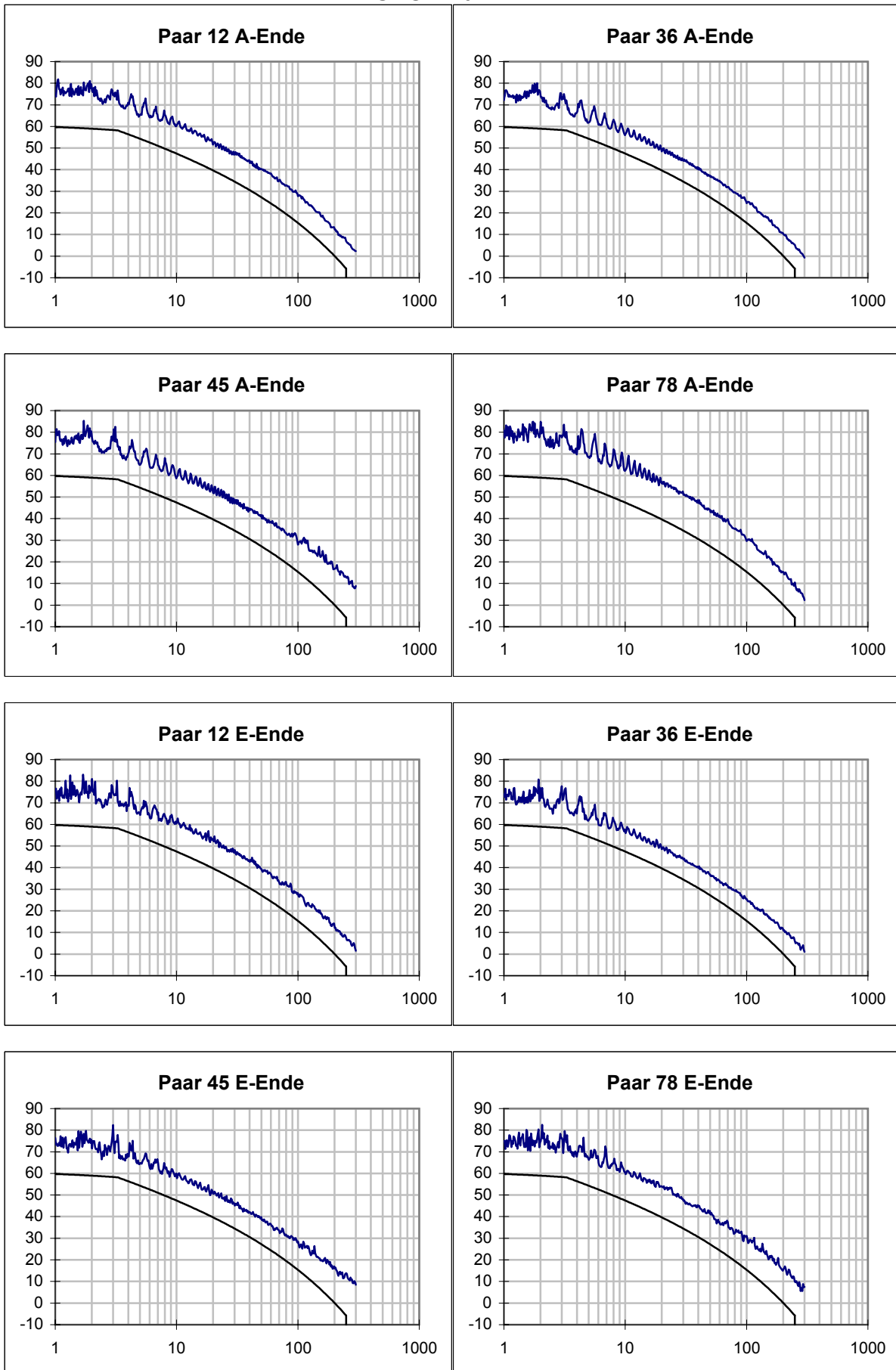
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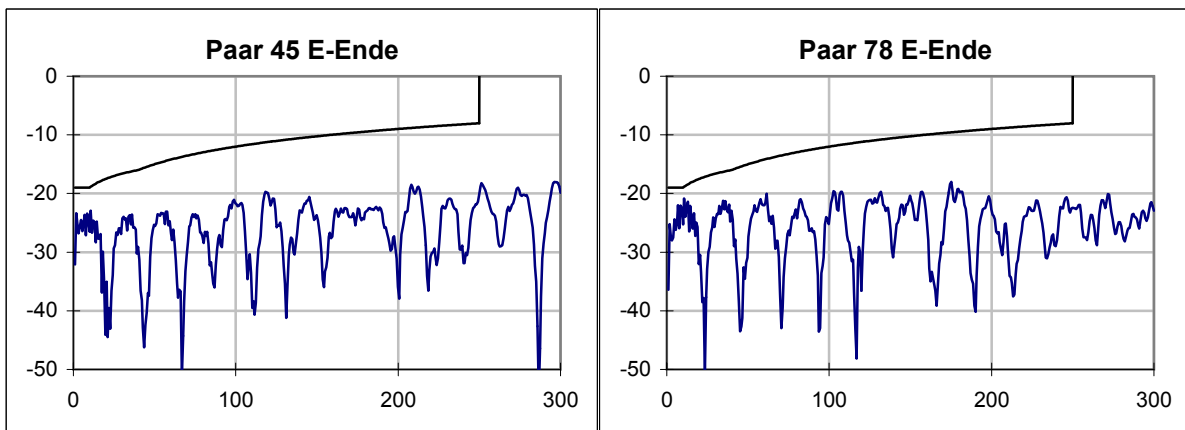
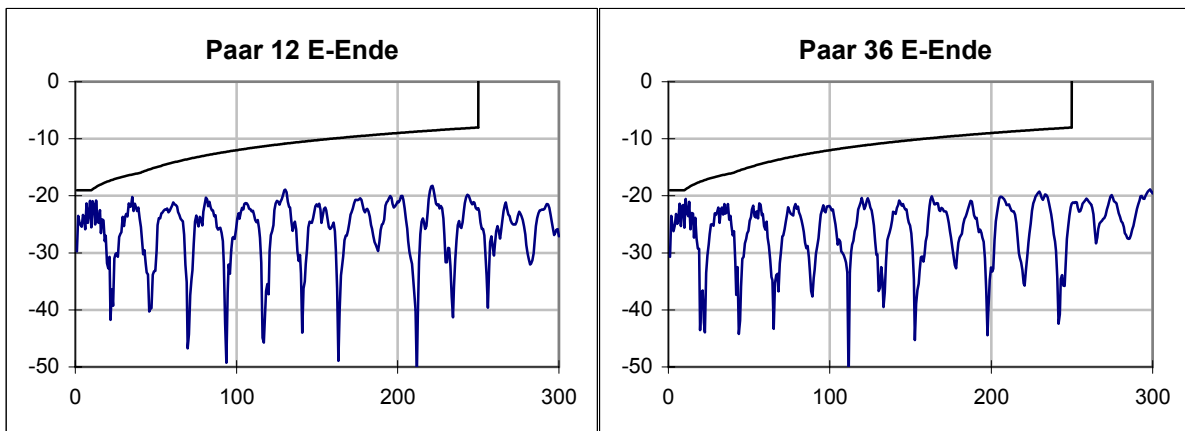
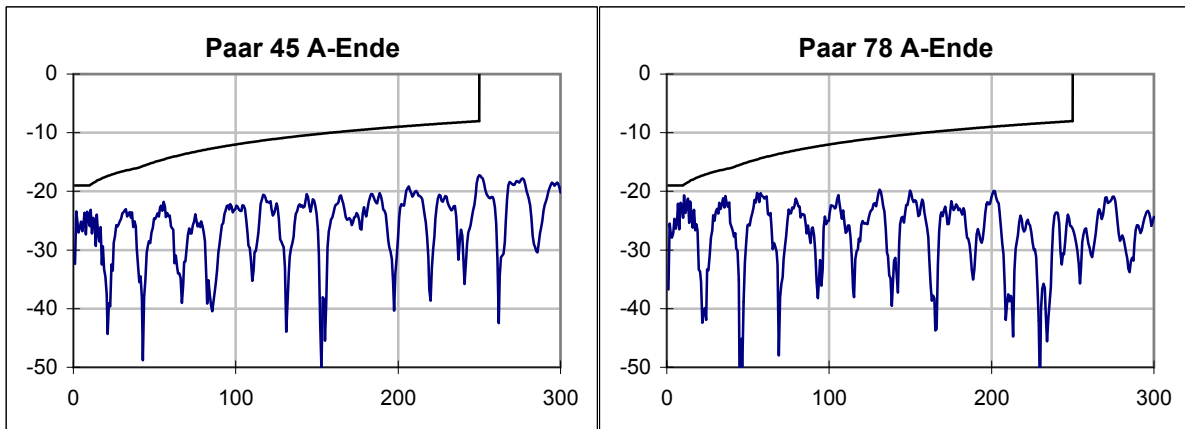
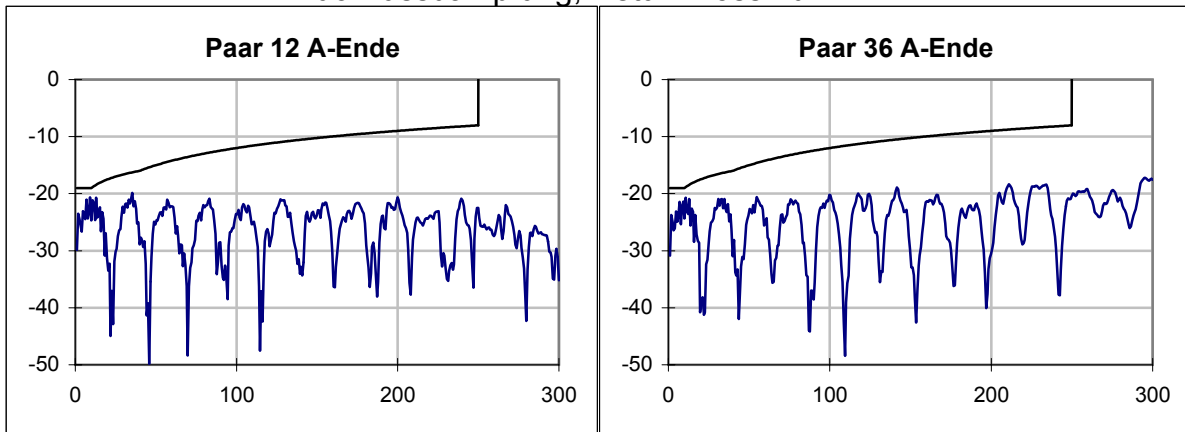
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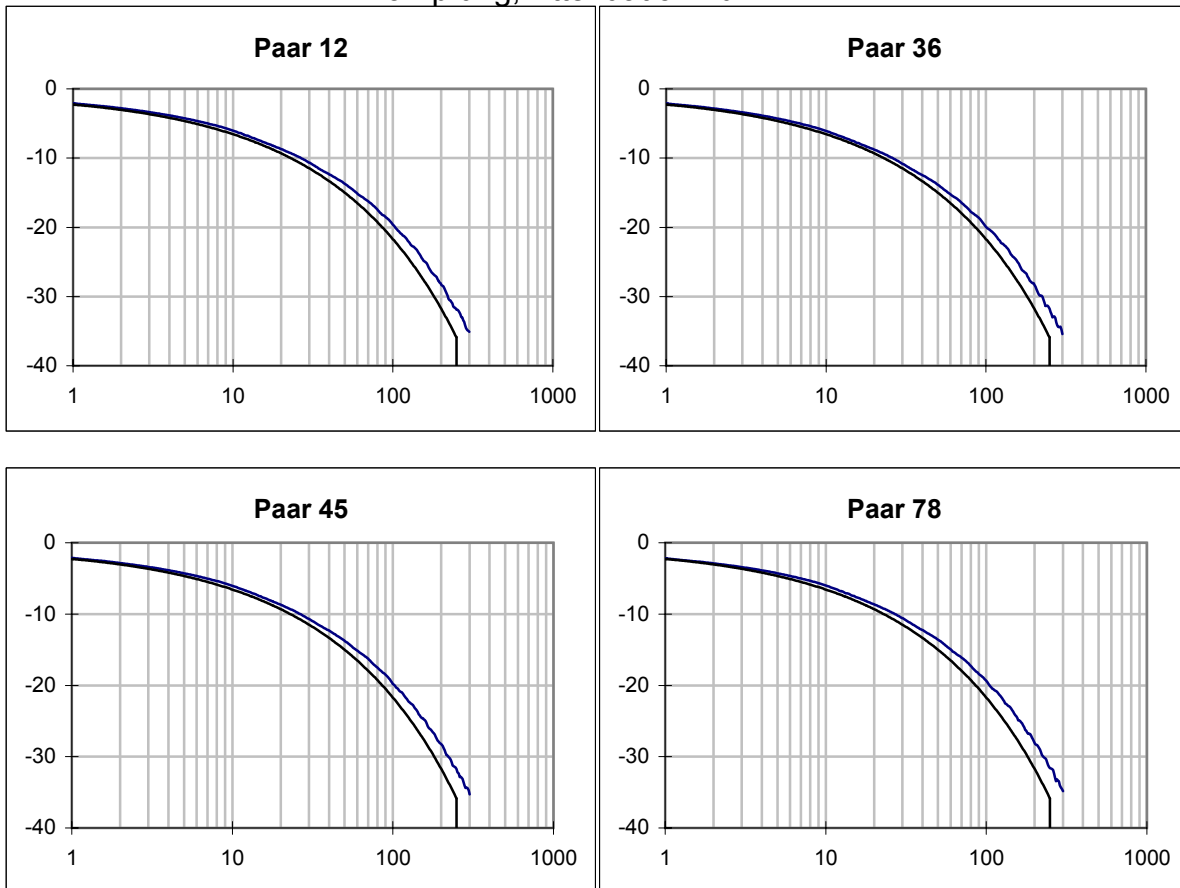
PSACR / dB



Rückflusdämpfung, Return Loss / dB



Dämpfung, Attenuation / dB



Laufzeit, Delay / ns

