

**Channel-Messung****Draka Multimedia Cable****Aufbau:**

Patch-Kabel A-Ende: **5 m UC600 SS27 4P (Stewart HighSpeed-Stecker)**
 Komponente A-Ende: **AMP ACO+ ISO Cat.6 (Adaptoreinsatz 2x 100BaseT)**
 Tertiärkabel: **90 m UC1200 SS22 4P**
 Komponente E-Ende: **AMP ACO+ ISO Cat.6 (Adaptoreinsatz 2x 100BaseT)**
 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 N696.
 Das ACR wird bis 300 MHz nicht negativ!*

Ankerfrequenzen / MHz: 100
 250

Datum: 02.08.2001
 Prüfer: Dr. C. Pfeiler
 Prüflabor: Draka Multimedia Cable
 Wohlaue Str. 15
 90475 Nürnberg

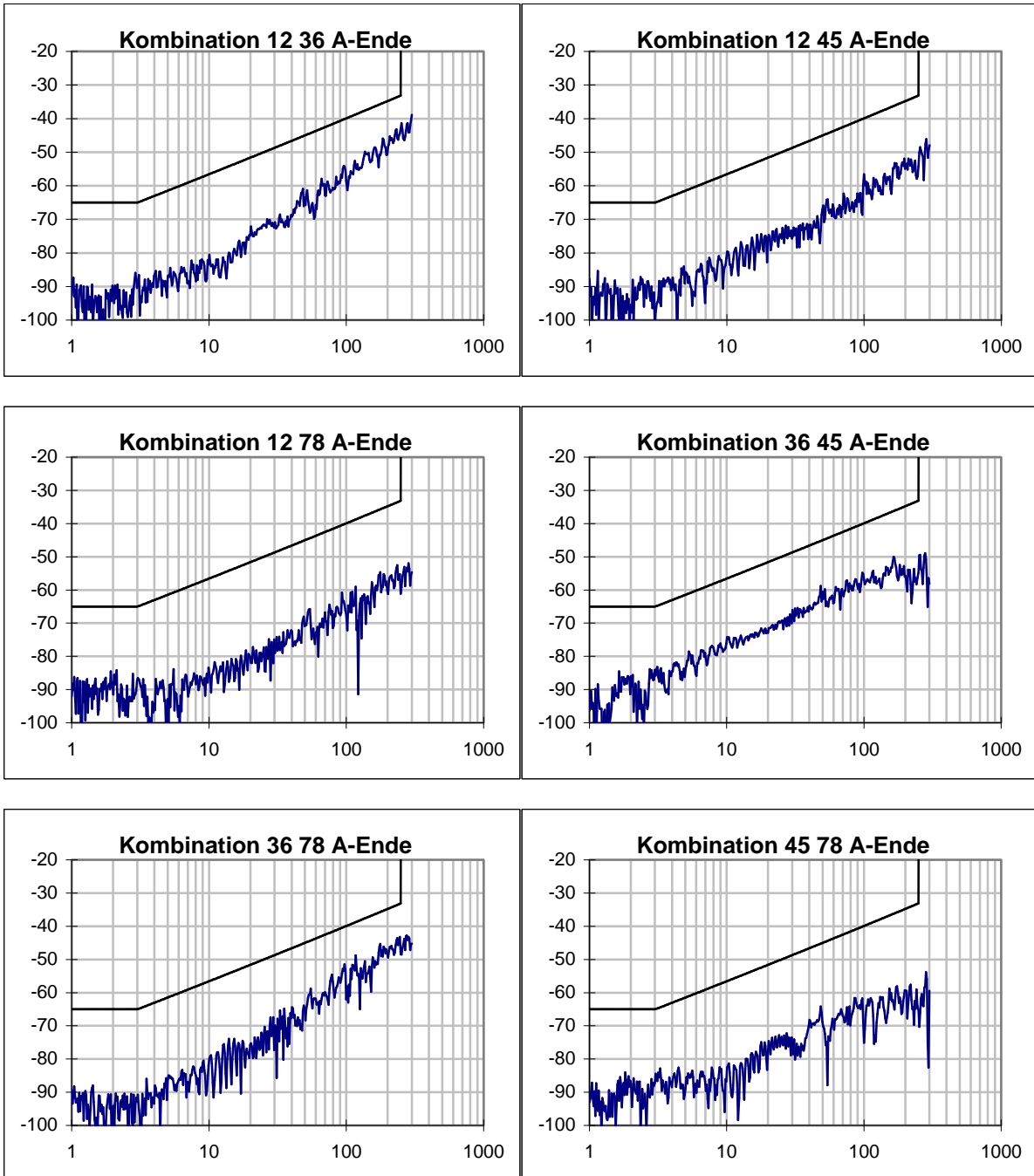
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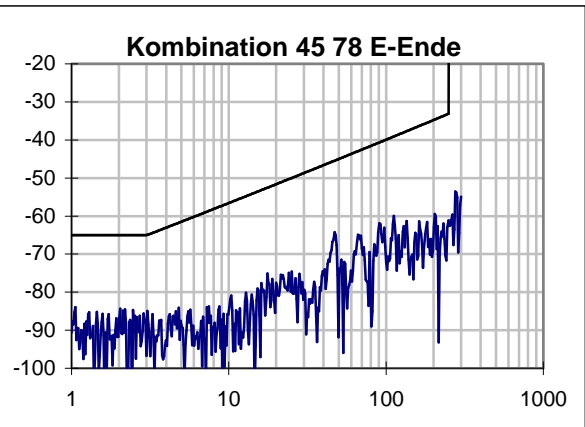
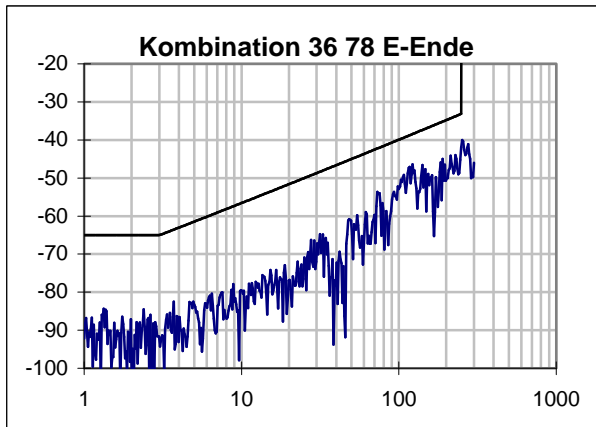
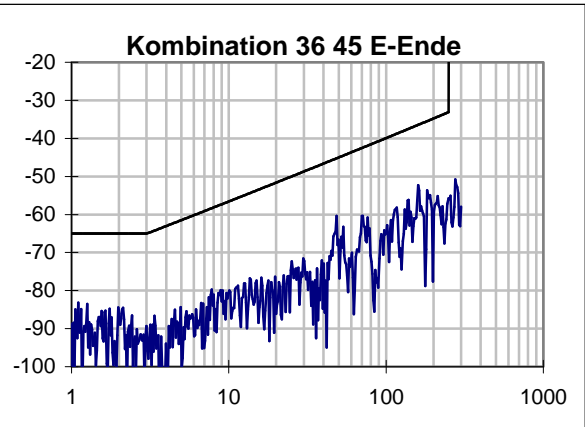
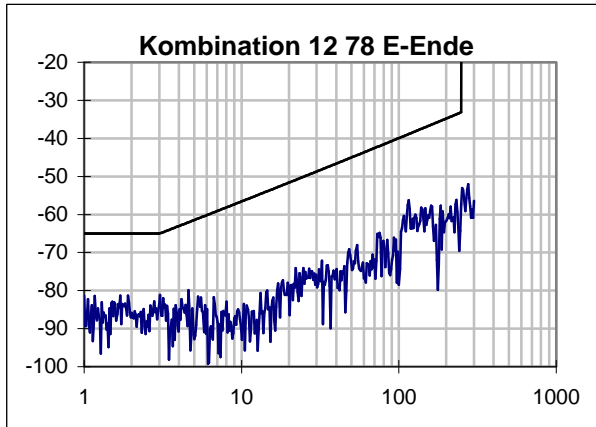
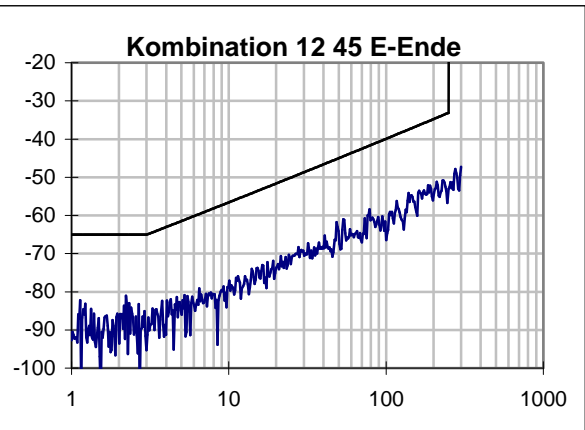
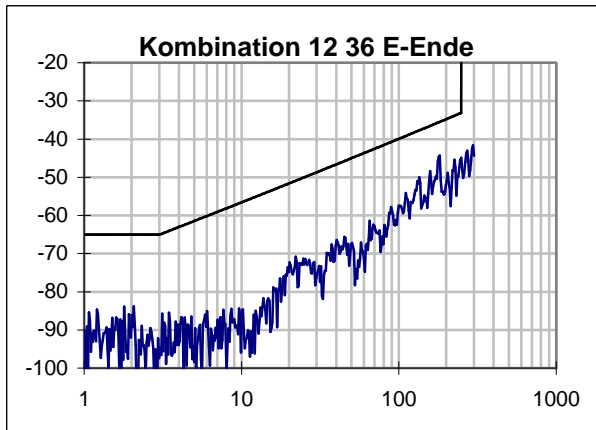
Übersicht Ergebnis:

Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	444,3	458,6	442,1	450,0		17,6	50
Dämpfung @ 100MHz/dB	18,36	18,84	18,67	18,66	21,7		
Dämpfung @ 250MHz/dB	30,10	30,38	30,18	30,24	35,9		
min PSNEXT-Res. / dB	11,28	9,74	15,06	10,71			
@ f / MHz	182,13	232,09	48,36	122,17			
PSNEXT Gr. / dB	32,56	30,72	42,49	35,57			
PSNEXT @ 100 MHz	57,08	51,26	59,41	52,01	37,1		
PSNEXT @ 250 MHz	44,05	40,05	50,77	41,78	30,2		
min PSELFEXT-Res. / dB	18,49	12,86	13,27	17,67			
@ f / MHz	1,00	195,59	1,03	1,00			
PSELFEXT Gr. / dB	60,26	14,43	60,01	60,26			
PSELFEXT @ 100 MHz	53,06	48,06	43,20	44,06	20,3		
PSELFEXT @ 250 MHz	34,57	28,67	29,27	32,66	12,3		
min PSACR-Reserve / dB	16,2	13,8	16,7	13,9			
@ f / MHz	182,1	122,2	48,4	115,4			
PSACR Grenz. / dB	2,4	11,4	27,7	12,5			
PSACR @ 100 MHz	38,72	32,49	40,88	33,19	15,4		
PSACR @ 250 MHz	13,95	9,76	20,58	11,42	-5,8		
min RL-Reserve / dB	6,7	8,0	7,3	9,6			
@ f / MHz	2,5	36,1	2,5	10,7			
RL Grenzwert / dB	19,0	16,2	19,0	18,8			

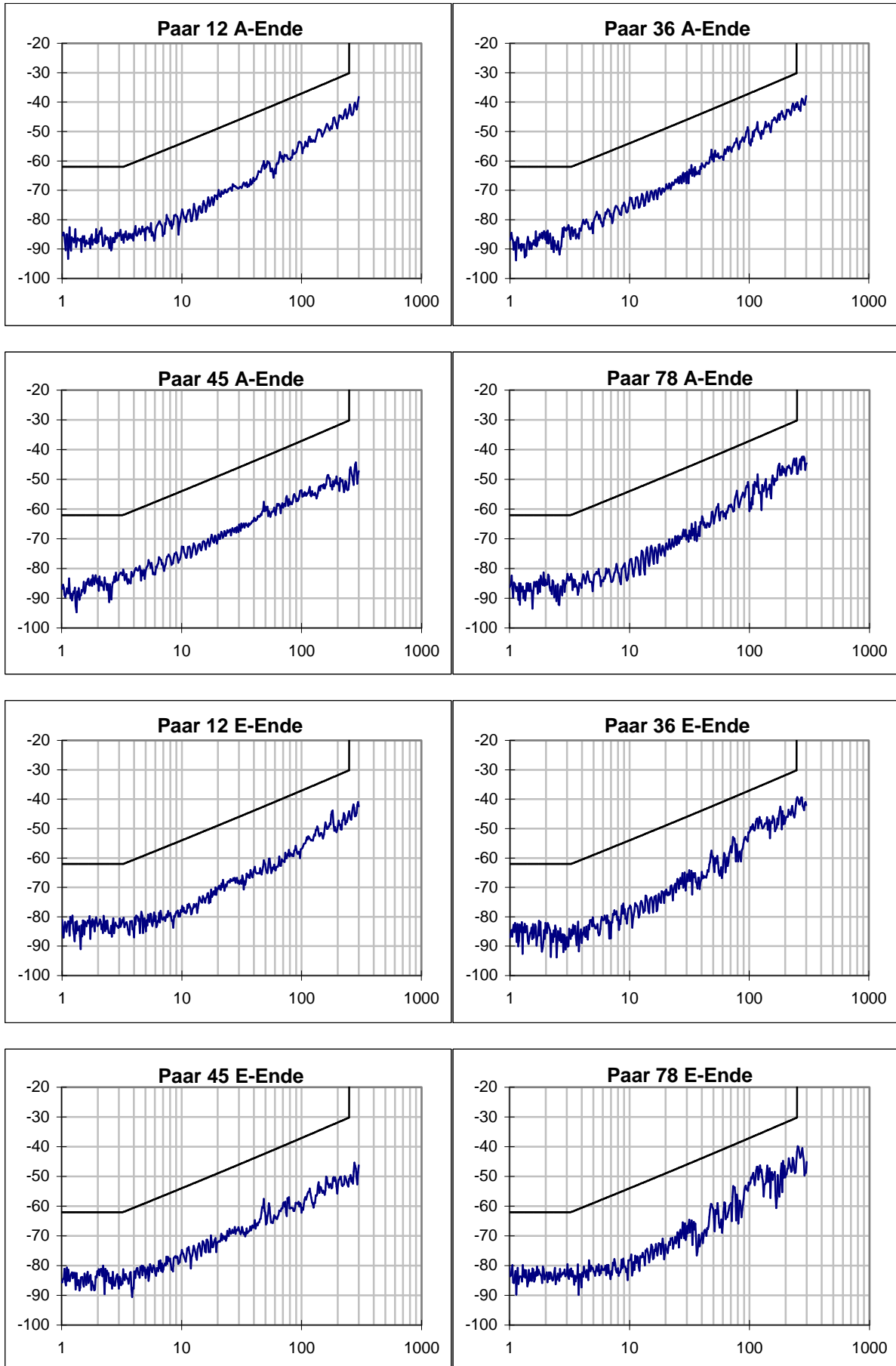
Kombination	12 36	12 45	12 78	36 45	36 78	45 78	Grenzwert
min NEXT-Reserve / dB	8,85	16,07	16,22	13,52	7,99	18,38	
@ f / MHz	182,13	2,22	3,04	48,36	122,17	3,27	
NEXT Grenzw. /dB	35,48	65,00	64,96	45,25	38,45	64,46	
NEXT @ 100 MHz	59,34	61,60	69,81	65,28	52,20	68,03	39,9
NEXT @ 250 MHz	44,88	53,06	57,31	55,77	41,96	61,14	33,1
min ELFEXT-Res. / dB	16,1	20,6	20,8	10,7	18,8	15,8	
@ f / MHz	232,1	1,2	1,1	195,6	142,9	1,2	
ELFEXT Grw. /dB	15,94	61,40	62,76	17,43	20,15	61,77	
ELFEXT @ 100 MHz	58,82	56,89	58,02	49,50	55,07	44,61	23,3
ELFEXT @ 250 MHz	35,91	41,60	46,31	30,71	35,96	35,77	15,3
min ACR-Reserve/ dB	13,8	16,3	16,5	15,1	11,3	18,7	
@ f / MHz	182,1	2,2	3,0	48,4	122,2	3,3	
ACR Grenzw. /dB	5,4	61,8	61,3	30,5	14,2	60,7	
ACR @ 100 MHz	40,99	43,25	51,45	46,44	33,36	49,36	18,2
ACR @ 250 MHz	14,77	22,95	27,21	25,40	11,58	30,95	-2,8

NEXT / dB

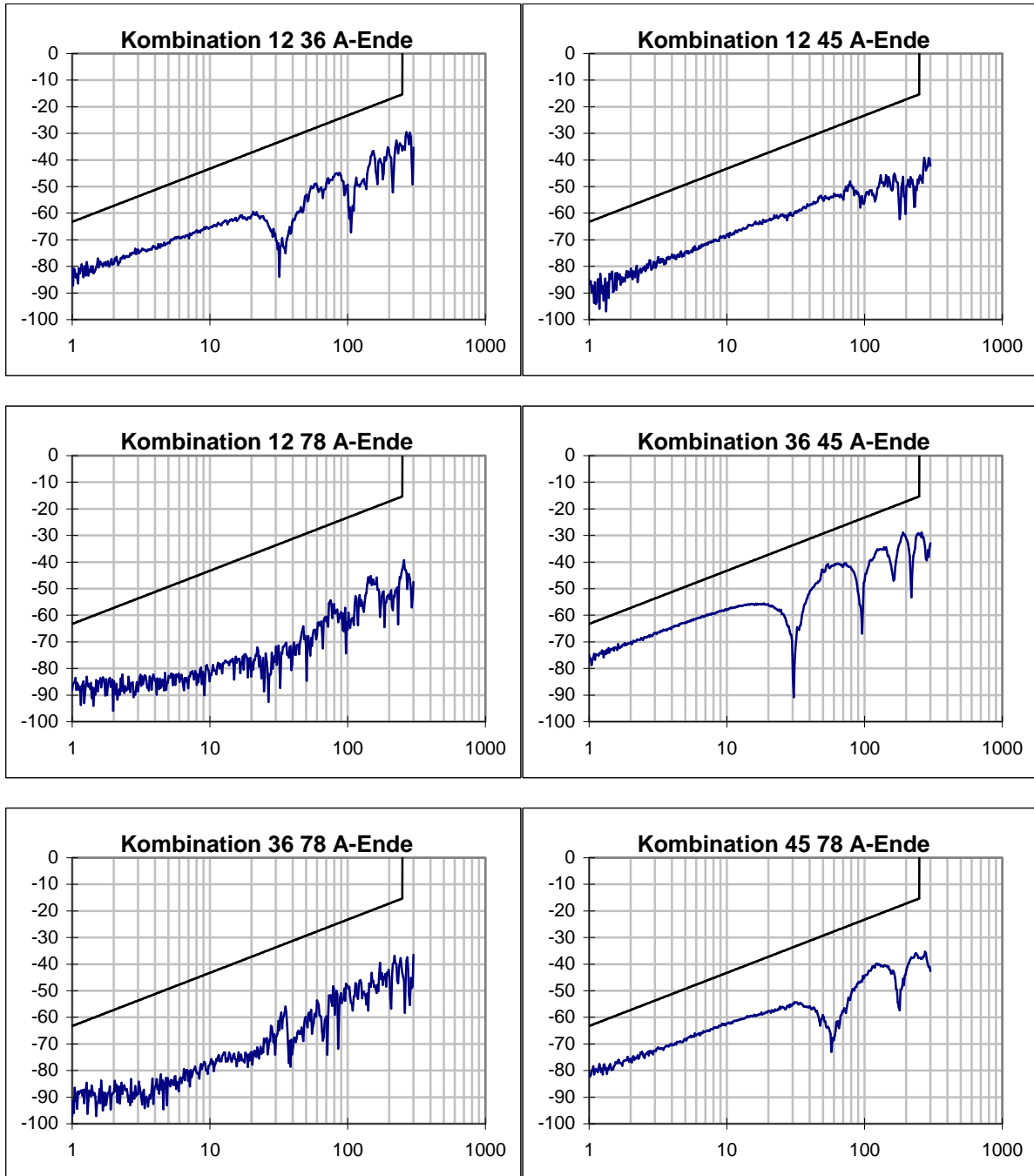


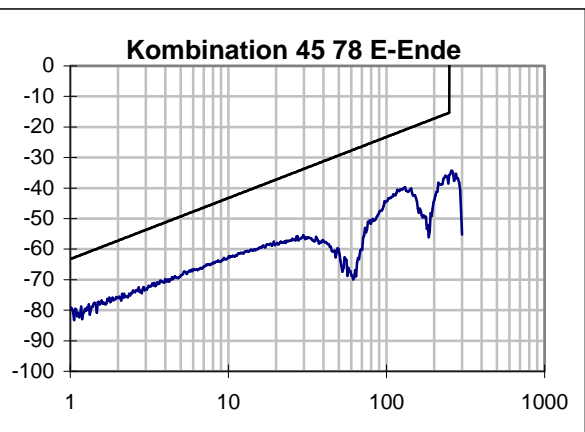
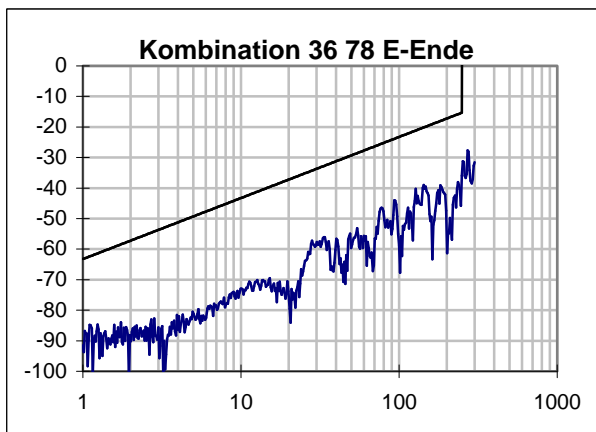
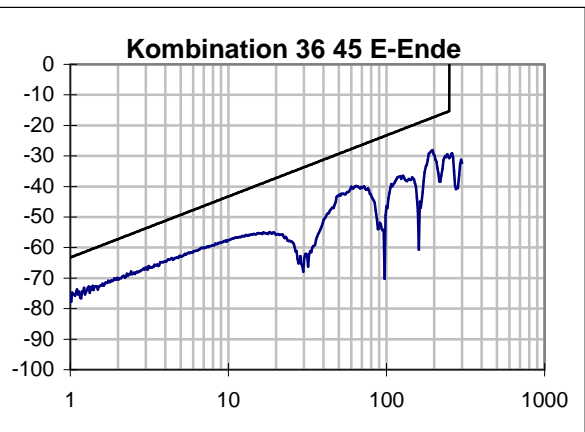
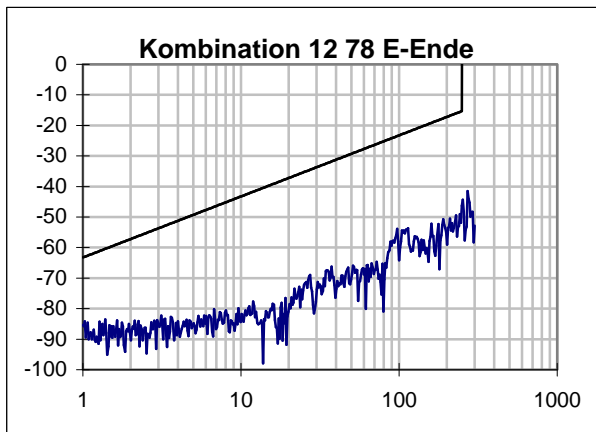
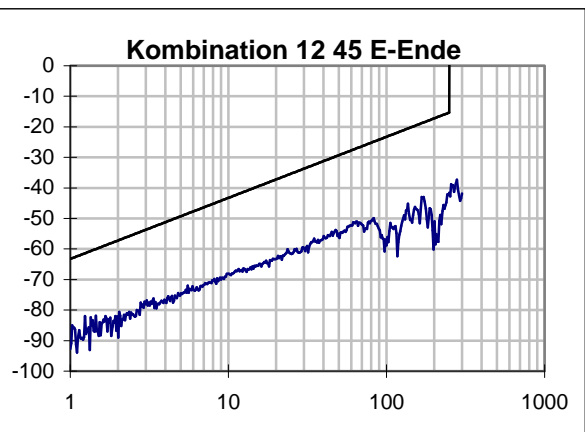
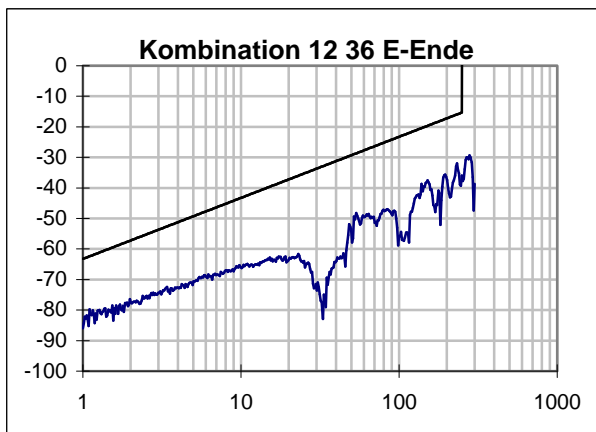


PSNEXT / dB

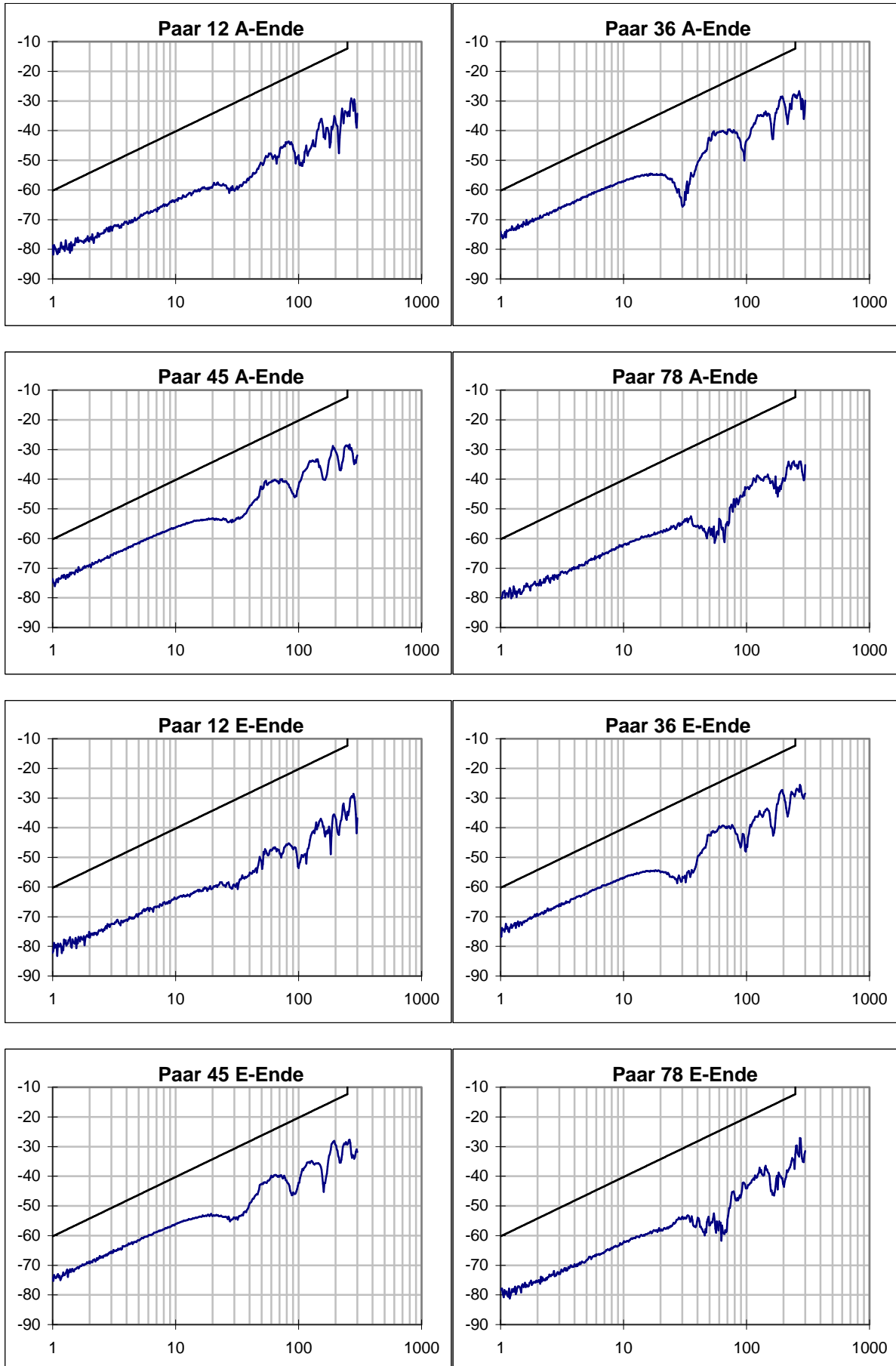


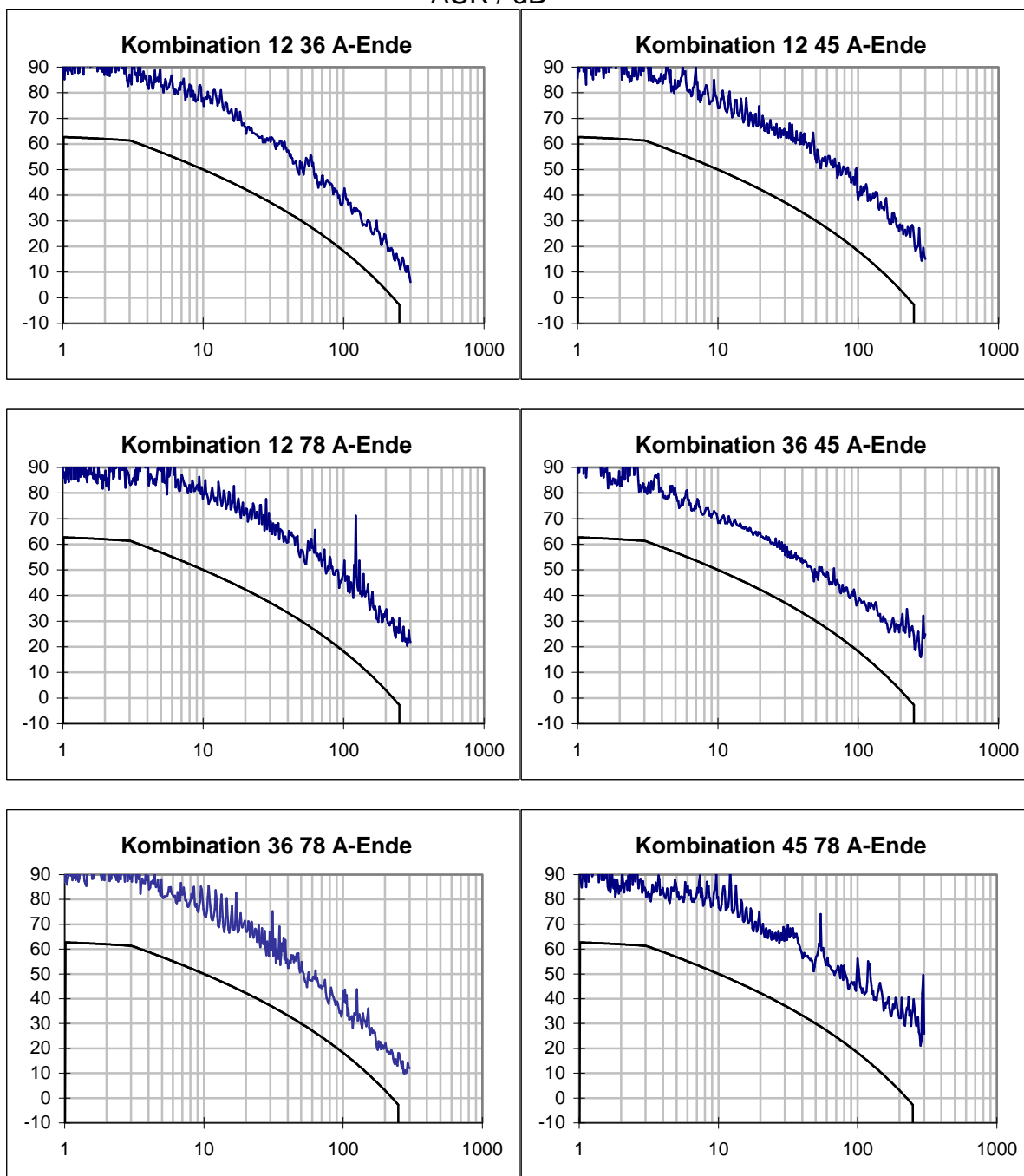
ELFEXT / dB



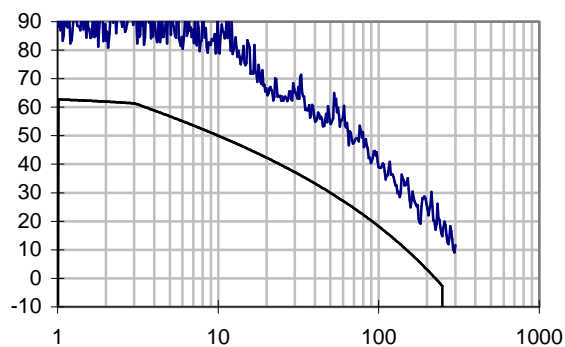


PSELFEXT / dB

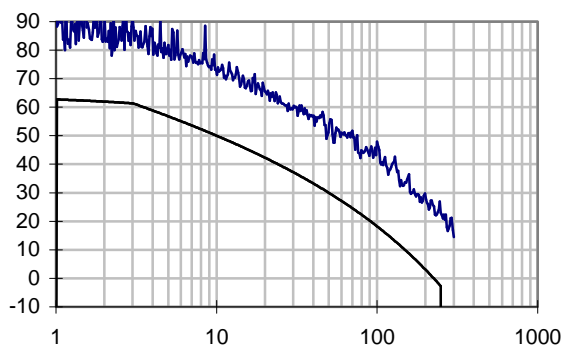




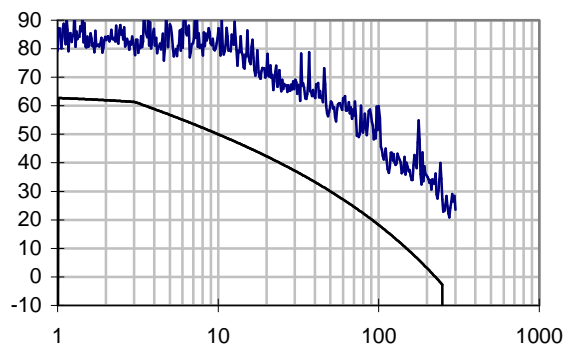
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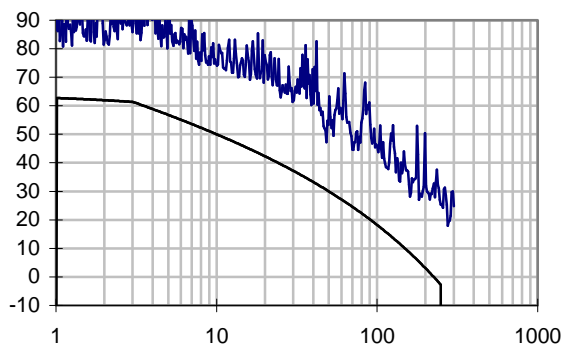
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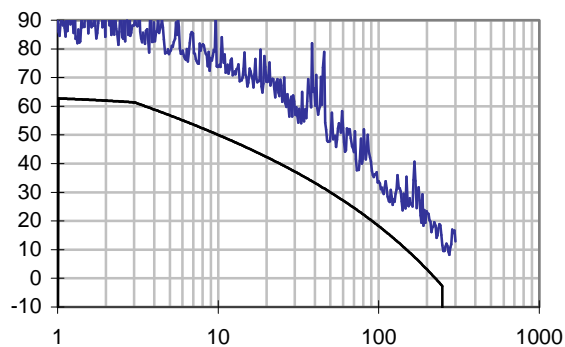
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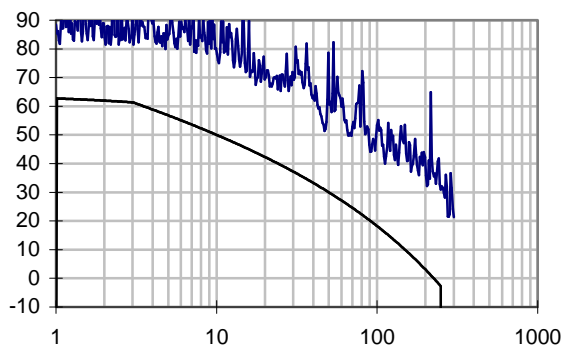
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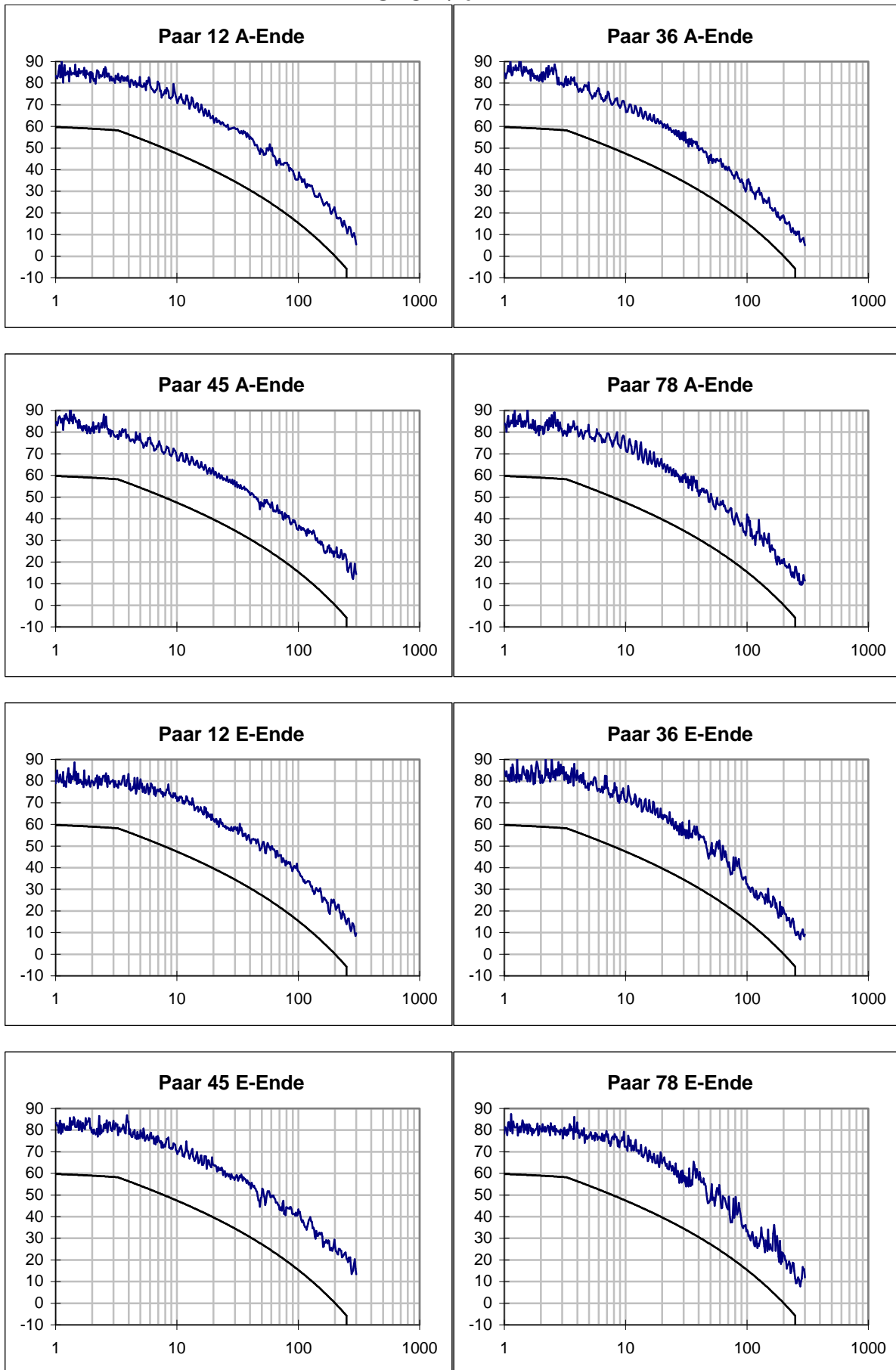
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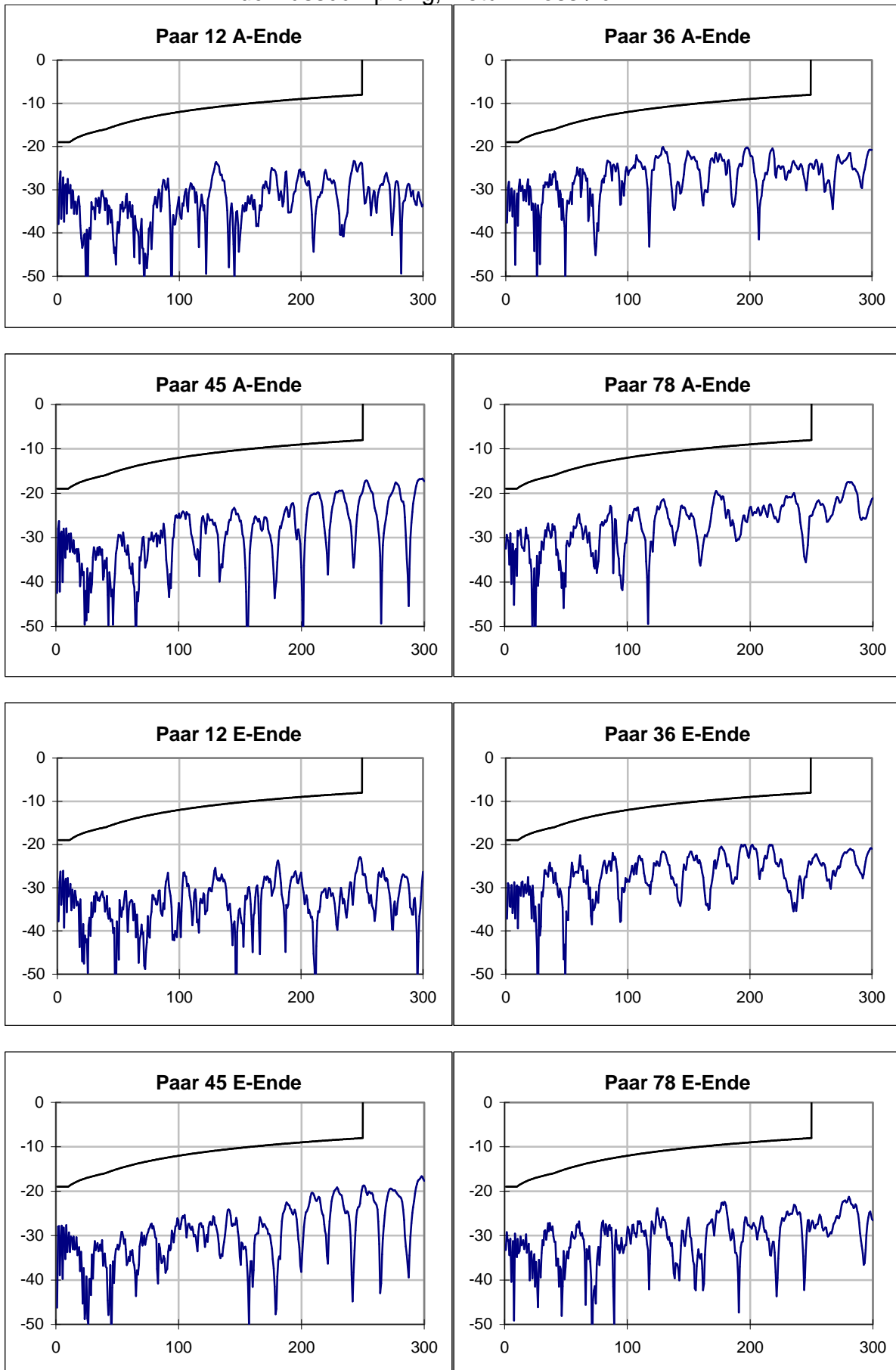
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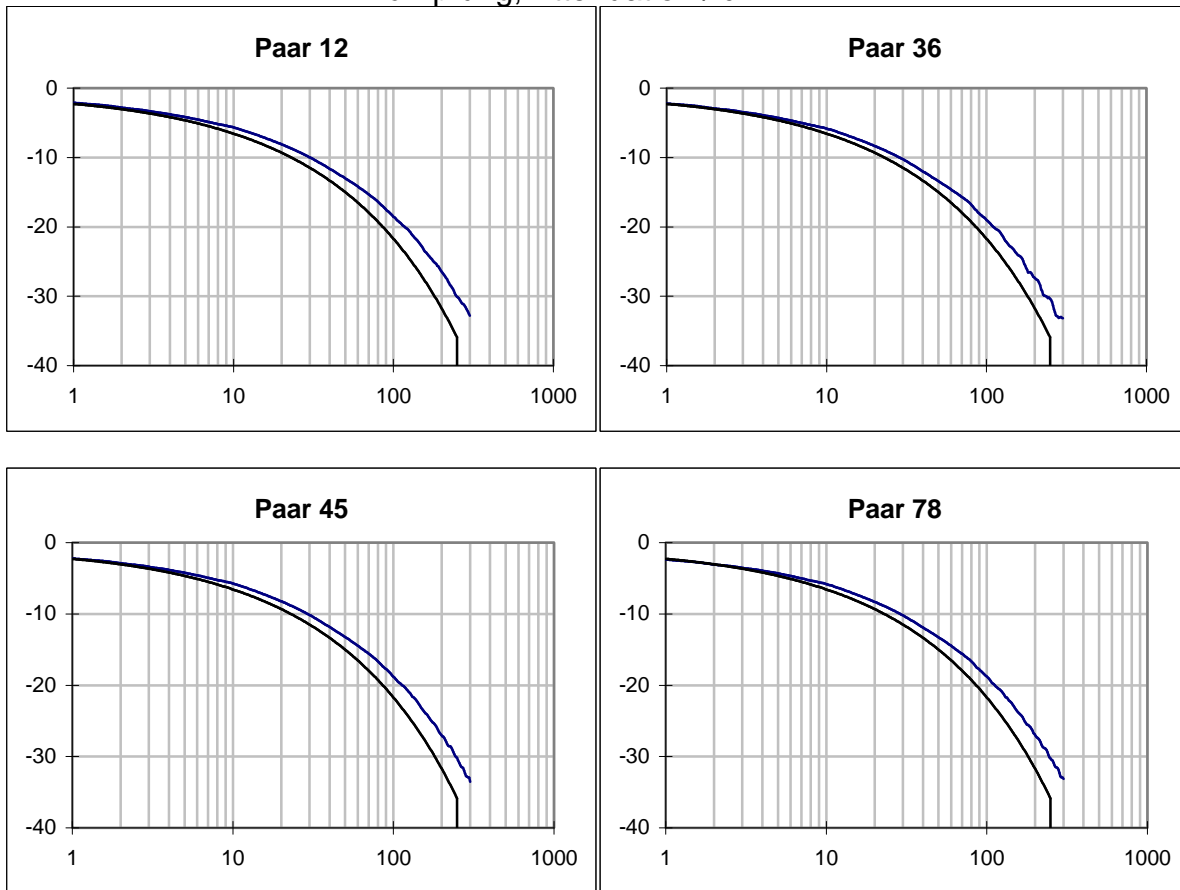
PSACR / dB



Rückflusdämpfung, Return Loss / dB



Dämpfung, Attenuation / dB



Laufzeit, Delay / ns

