

Messprotokoll:
Channel-Messung



Draka Multimedia Cable


Messaufbau:

Patch-Kabel A-Ende: **5 m UC600 SS27 4P (AMP-Stecker)**
 Komponente A-Ende: **Brand-Rex Millennium Cat.6+ 24fach PP**
 Tertiärkabel: **90 m UC600 SS23/1 4P Economy**
 Komponente E-Ende: **Brand-Rex Millennium Cat.6+ Doppeldose**
 Patch-Kabel E-Ende: **5 m UC600 SS27 4P (AMP-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 negativ bei 291,56 MHz.*

Datum: 13.03.2002 Prüflabor: Draka Multimedia Cable
 Prüfer: Dr. C. Pfeiler Wohlaue Str. 15
 90475 Nürnberg

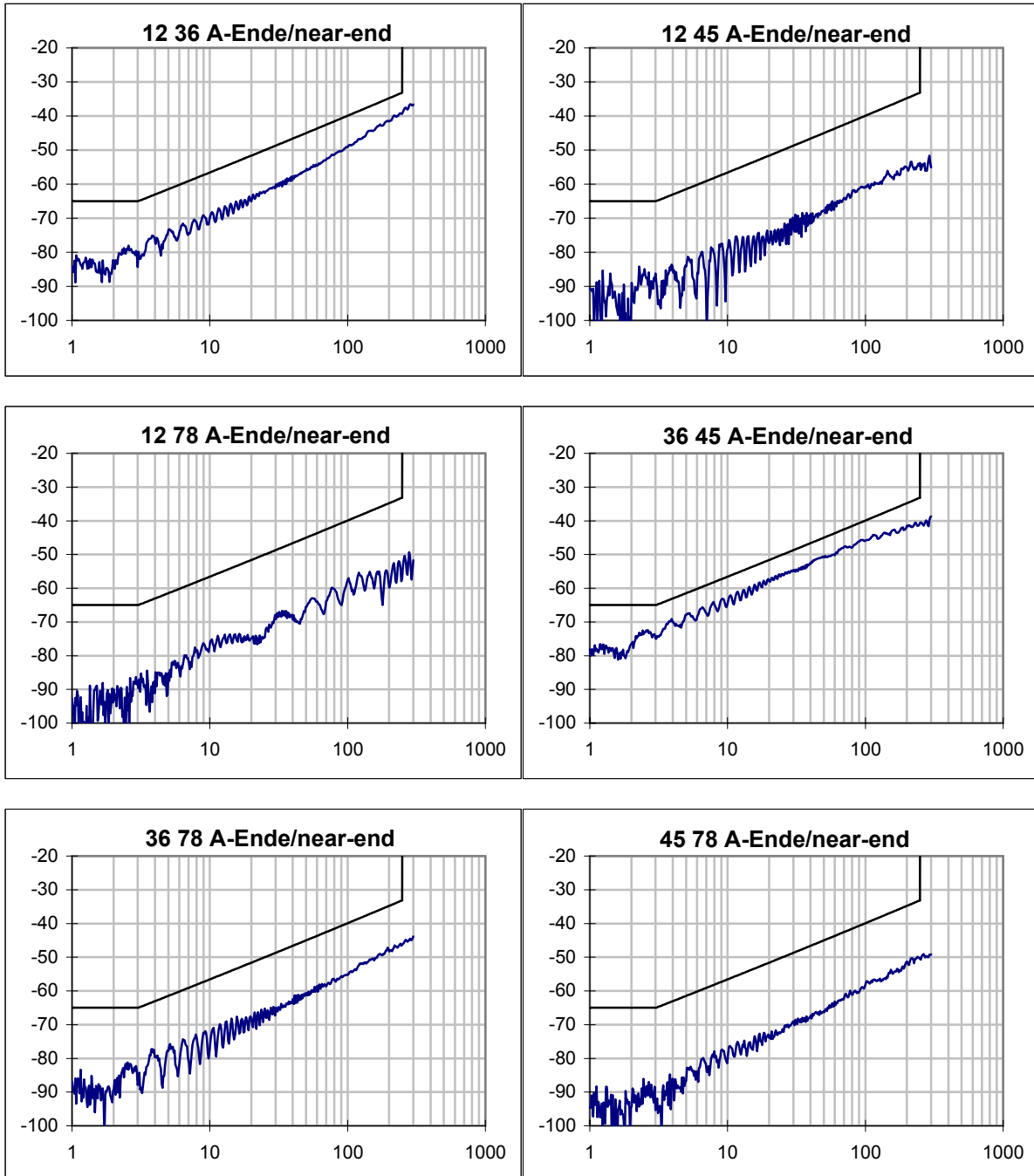
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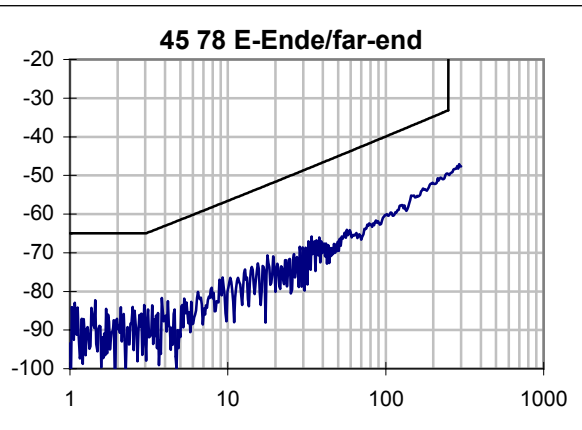
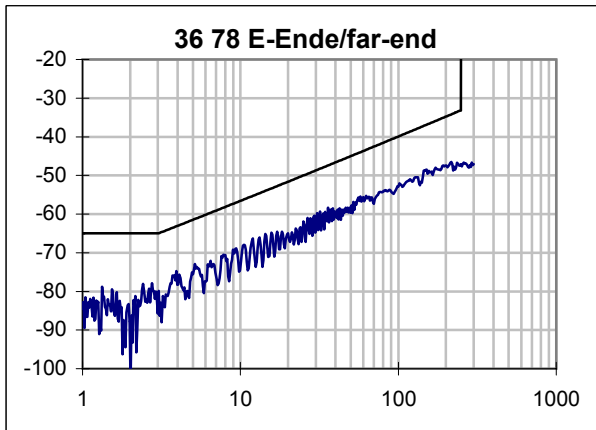
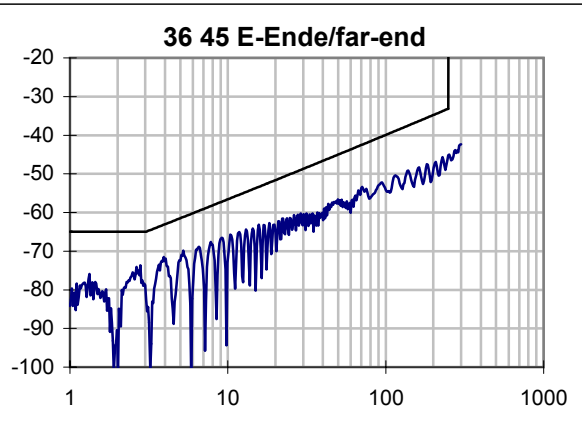
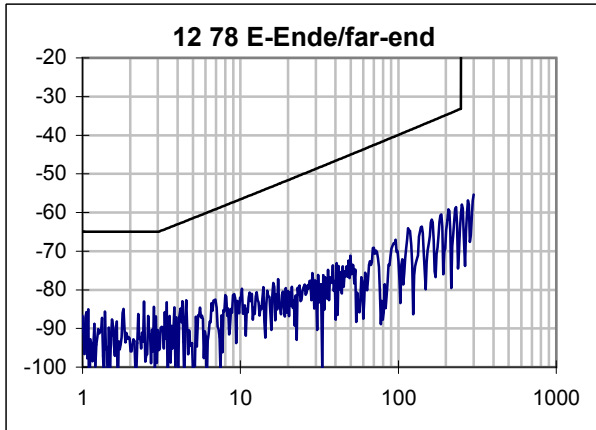
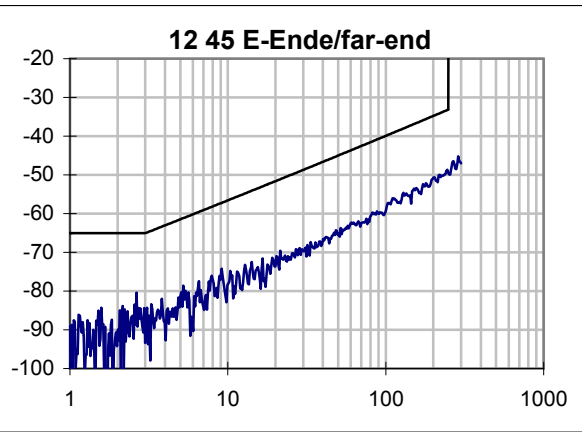
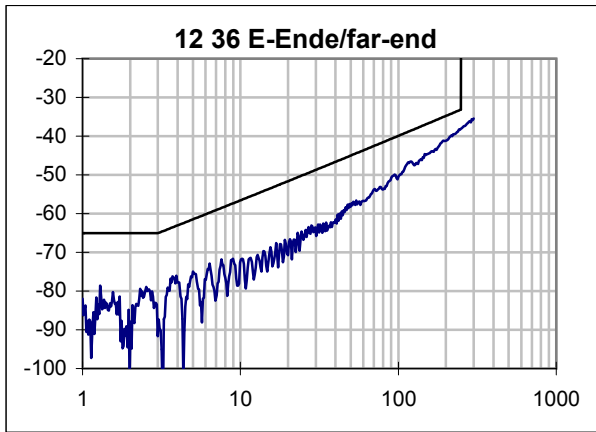
Übersicht Ergebnisse:

Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	464,3	453,2	450,9	456,4		13,5	50
Dämpfung @ 100MHz/dB	20,20	19,56	19,57	19,77	21,7		
Dämpfung @ 250MHz/dB	32,87	31,88	31,71	31,97	35,9		
min PSNEXT-Res. / dB	7,52	6,02	7,66	13,27			
@ f / MHz	242,23	216,12	71,06	11,96			
PSNEXT Gr. / dB	30,39	31,26	39,63	52,70			
PSNEXT @ 100 MHz	50,53	47,57	51,93	51,97	37,1		
PSNEXT @ 250 MHz	37,74	36,86	42,79	45,06	30,2		
min PSELFEXT-Res. / dB	17,85	15,05	14,23	16,57			
@ f / MHz	1,17	1,07	1,07	172,03			
PSELFEXT Gr. / dB	58,89	59,64	59,64	15,54			
PSELFEXT @ 100 MHz	43,53	38,90	38,86	39,82	20,3		
PSELFEXT @ 250 MHz	32,25	31,29	30,68	32,10	12,3		
min PSACR-Reserve / dB	10,5	7,2	8,4	13,7			
@ f / MHz	242,2	3,9	11,8	12,0			
PSACR Grenz. / dB	-4,9	56,5	45,7	45,5			
PSACR @ 100 MHz	30,34	27,72	32,26	32,40	15,4		
PSACR @ 250 MHz	4,88	4,22	10,72	13,21	-5,8		
min RL-Reserve / dB	6,3	6,4	7,5	5,6			
@ f / MHz	36,1	59,3	186,4	36,9			
RL Grenzwert / dB	16,2	14,3	9,3	16,2			

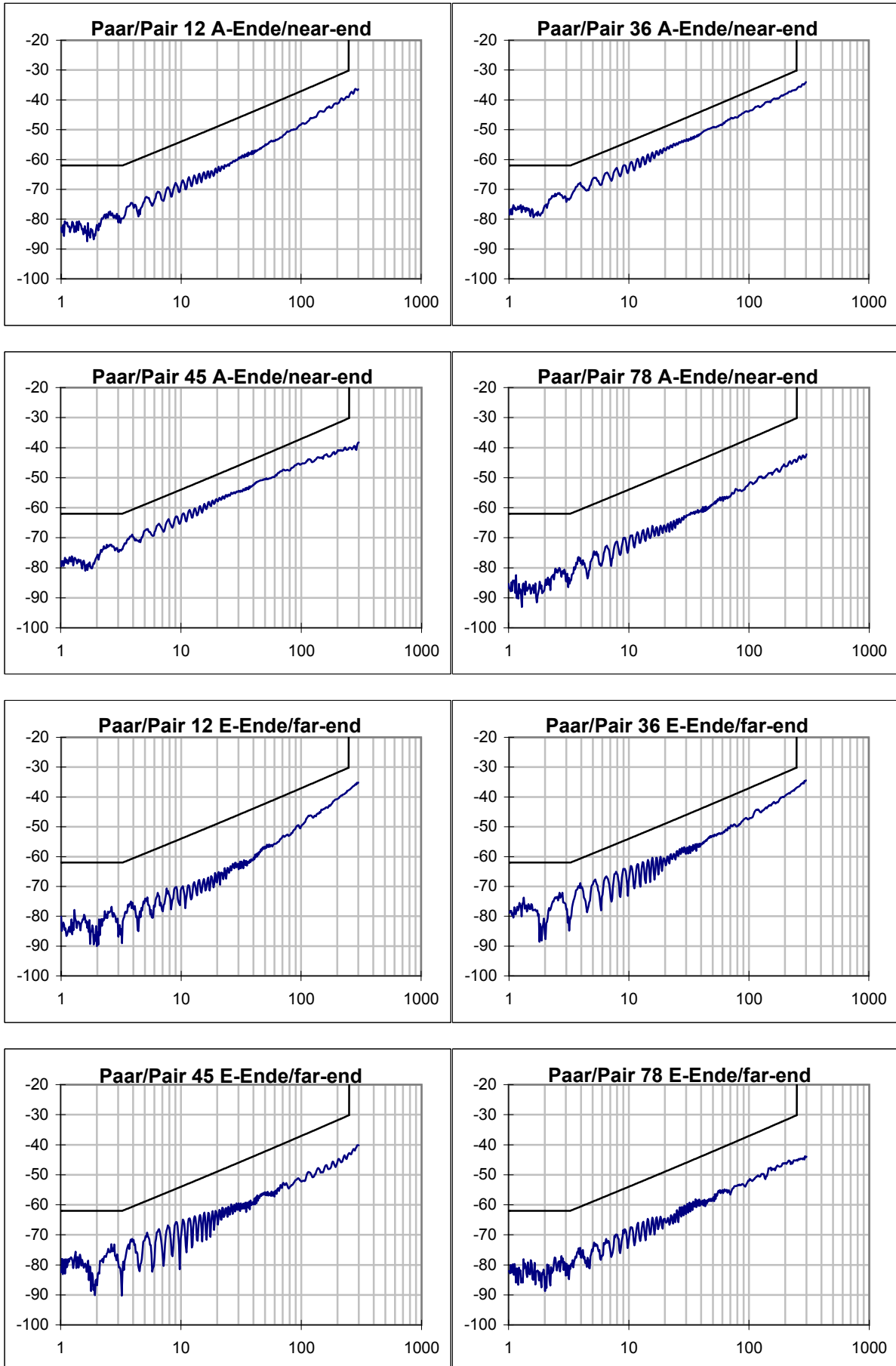
Kombination	12 36	12 45	12 78	36 45	36 78	45 78	Grenzwert
min NEXT-Reserve / dB	4,92	15,41	16,84	5,12	10,95	16,07	
@ f / MHz	242,23	2,64	120,44	71,06	35,84	216,12	
NEXT Grenzw. /dB	33,35	65,00	38,55	42,44	47,42	34,20	
NEXT @ 100 MHz	51,12	59,94	69,91	53,51	52,75	60,24	39,9
NEXT @ 250 MHz	38,07	49,49	60,53	45,15	47,10	49,67	33,1
min ELFEXT-Res. / dB	19,6	16,5	18,6	13,0	15,2	18,0	
@ f / MHz	216,1	1,2	1,0	1,1	157,9	1,2	
ELFEXT Grw. /dB	16,56	61,89	63,26	62,64	19,29	62,02	
ELFEXT @ 100 MHz	50,39	46,22	49,47	41,78	42,73	44,02	23,3
ELFEXT @ 250 MHz	44,45	33,10	41,60	35,81	33,52	39,88	15,3
min ACR-Reserve/ dB	7,9	15,4	18,0	6,0	11,4	17,4	
@ f / MHz	242,2	2,6	2,5	18,3	12,0	1,4	
ACR Grenzw. /dB	-2,0	61,6	61,7	43,3	48,1	62,4	
ACR @ 100 MHz	30,92	39,74	49,71	33,95	33,19	40,67	18,2
ACR @ 250 MHz	5,21	16,63	27,67	13,27	15,22	17,96	-2,8

NEXT / dB

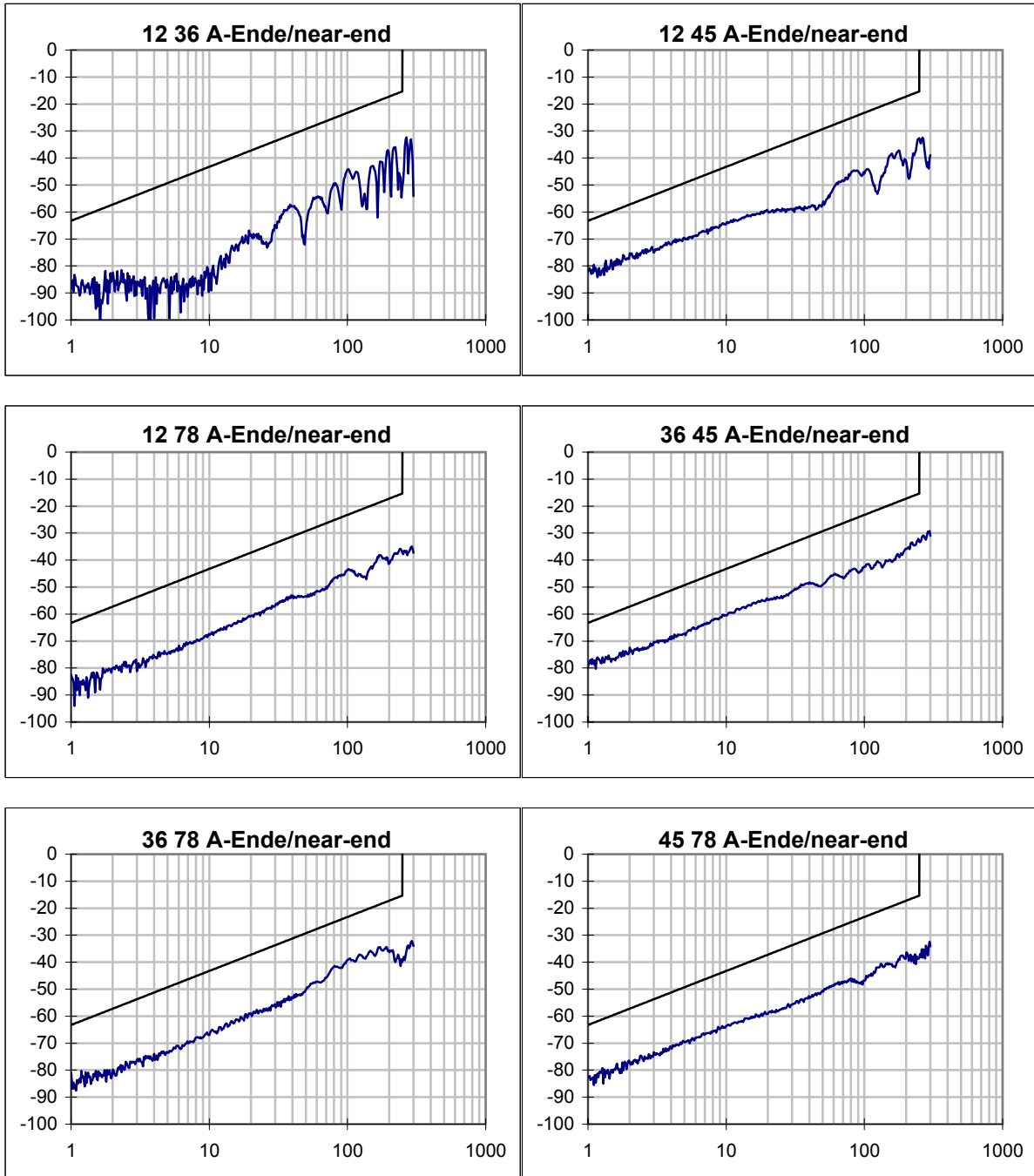


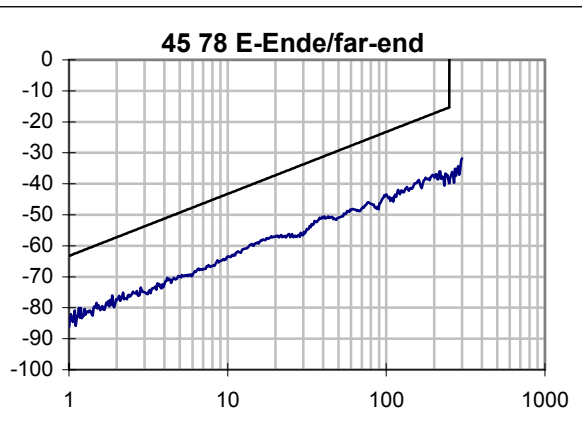
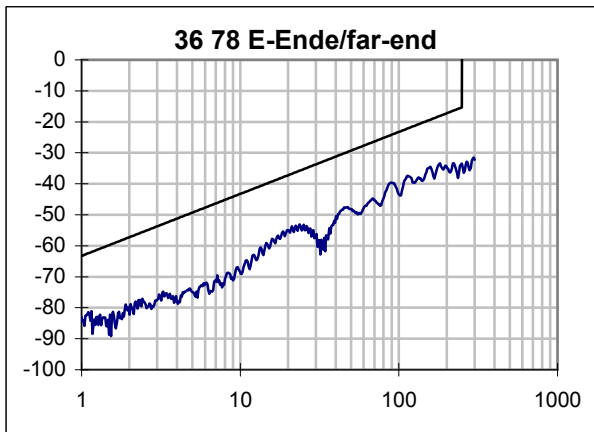
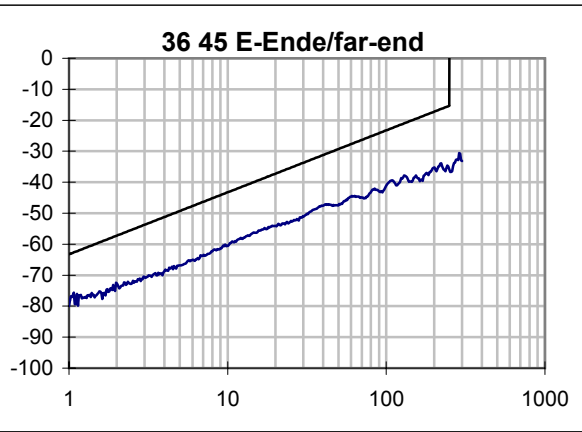
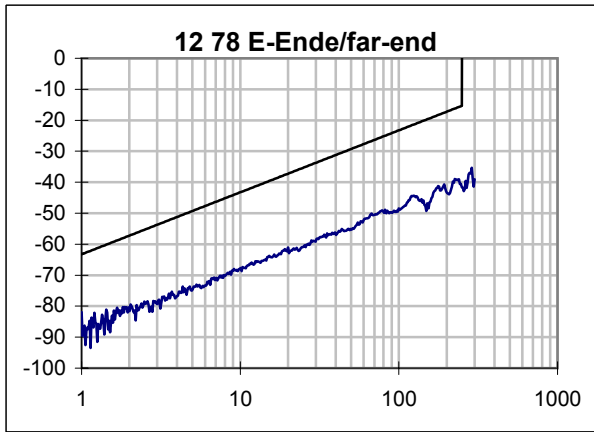
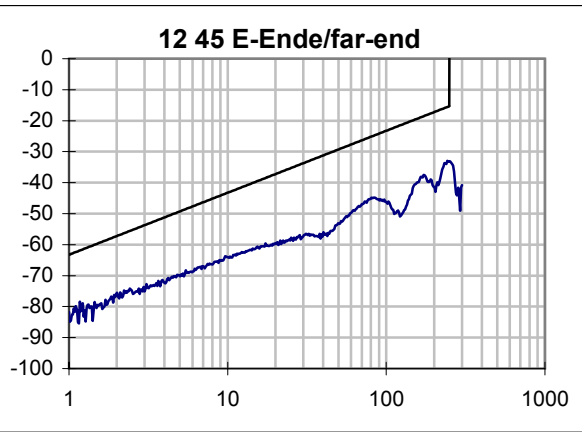
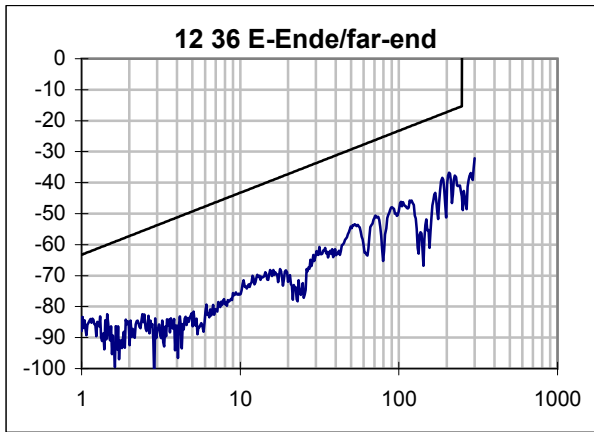


PSNEXT / dB

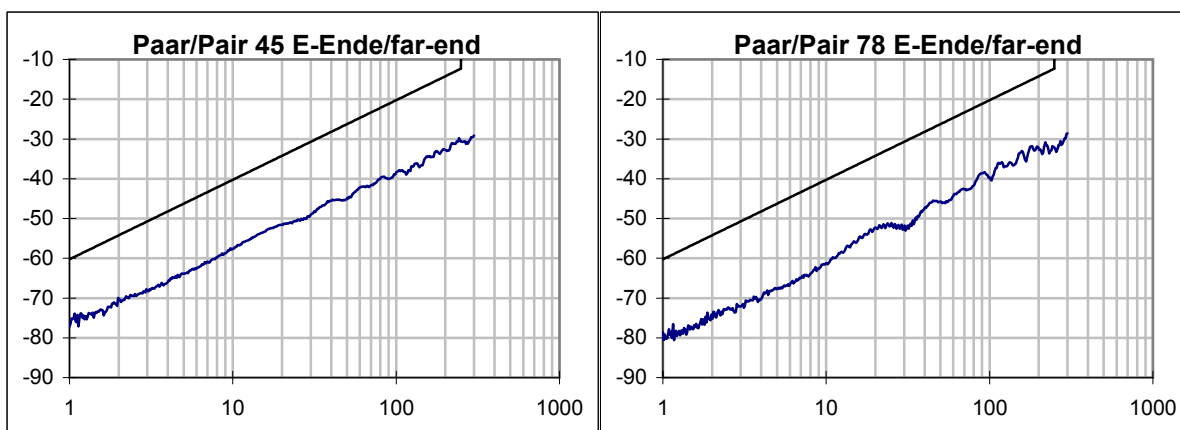
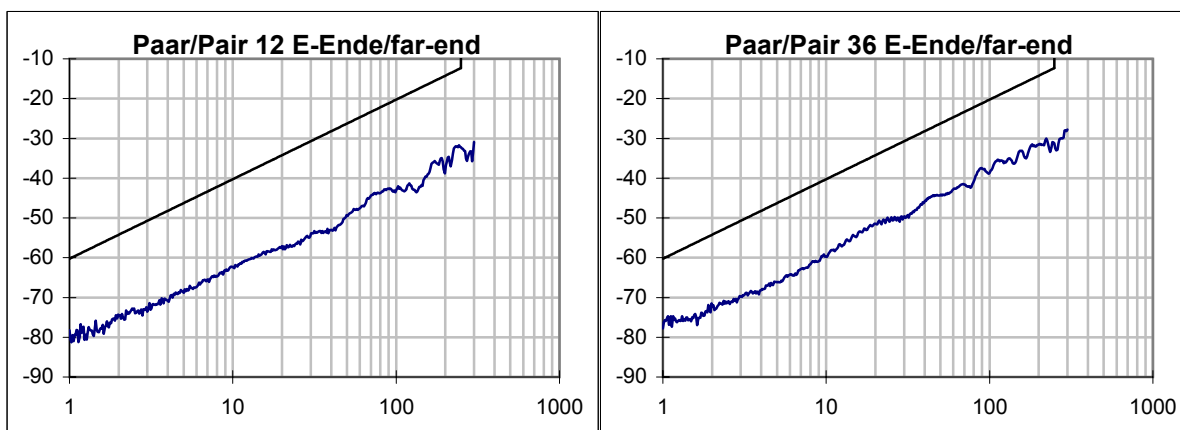
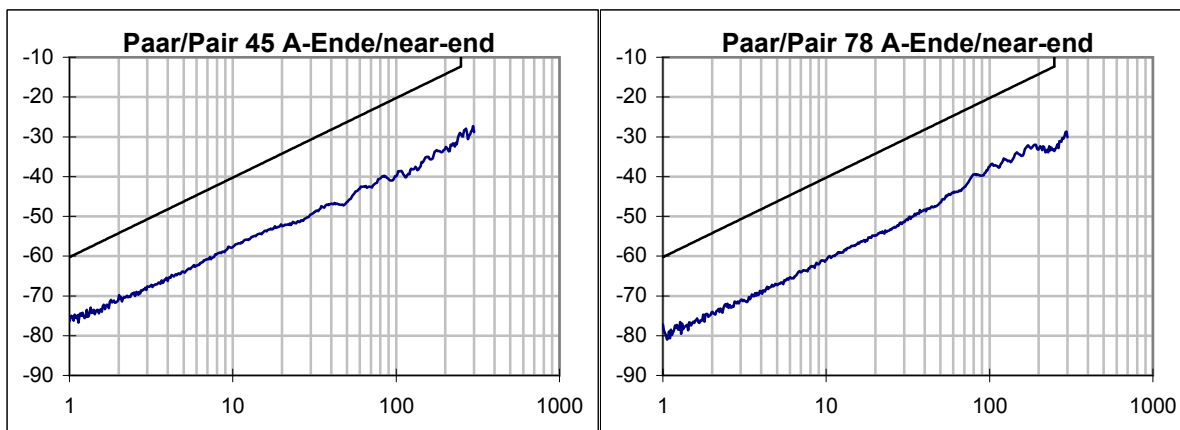
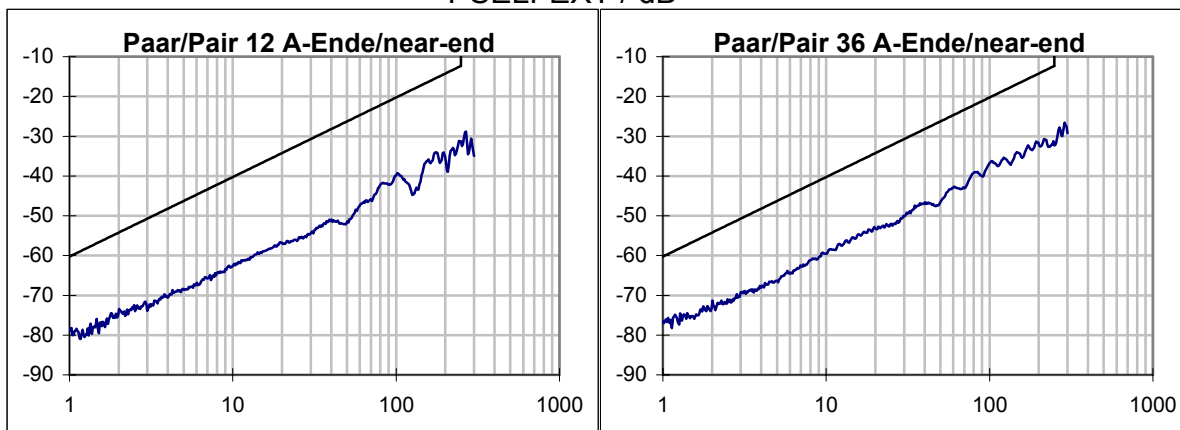


ELFEXT / dB

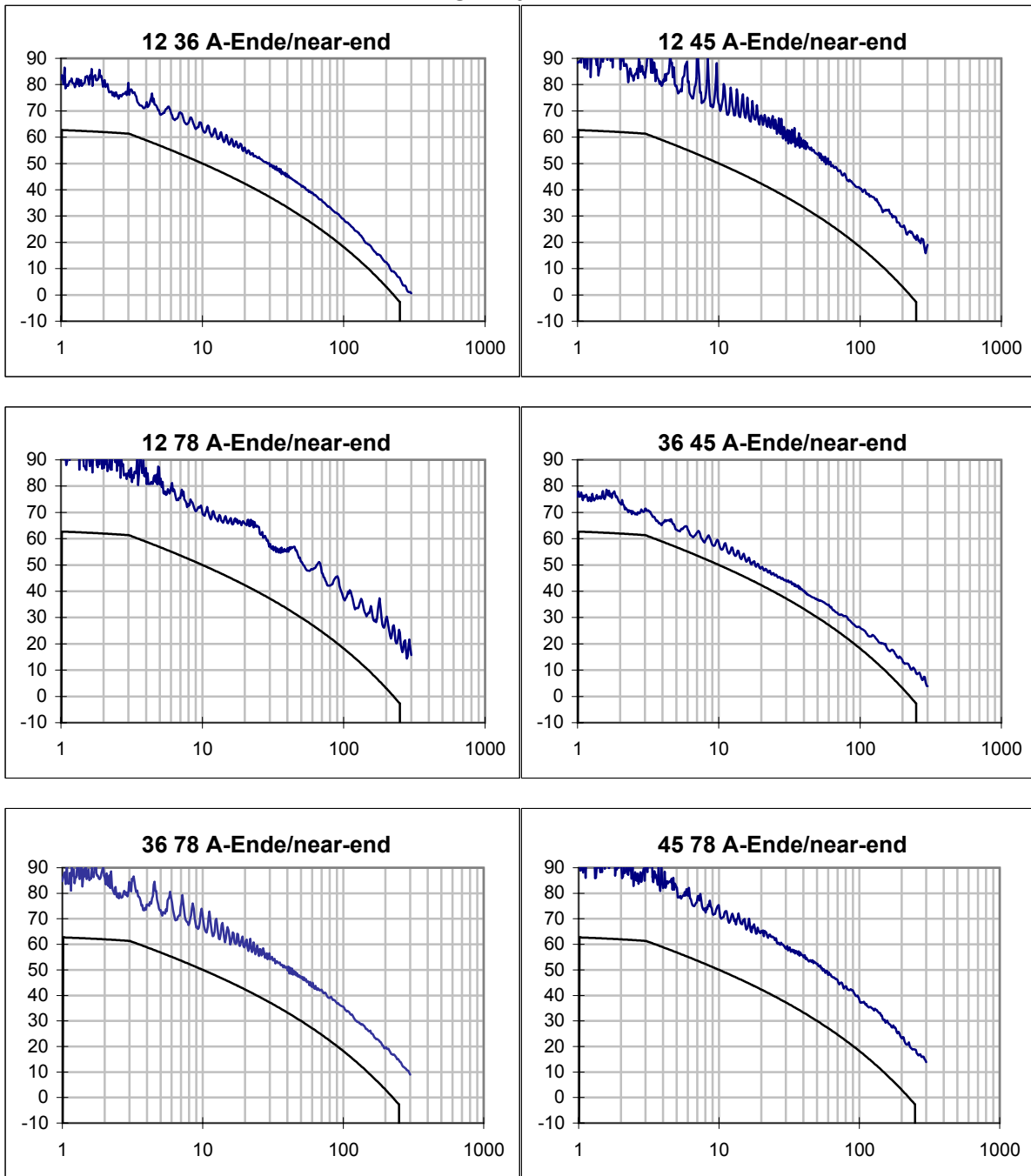


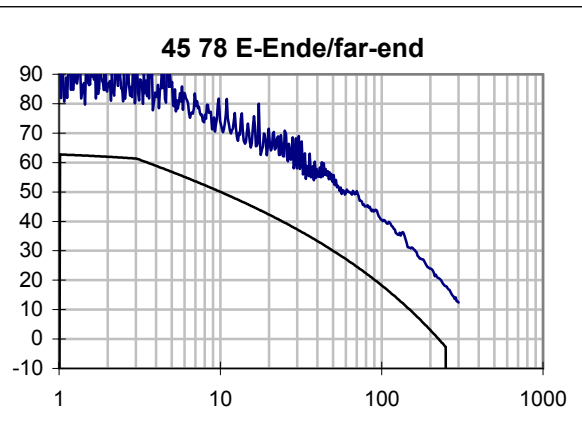
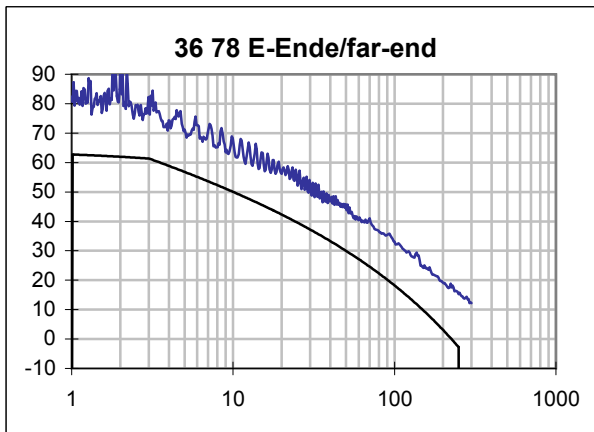
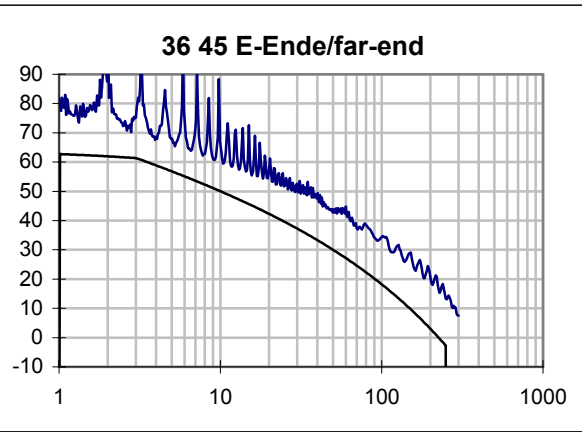
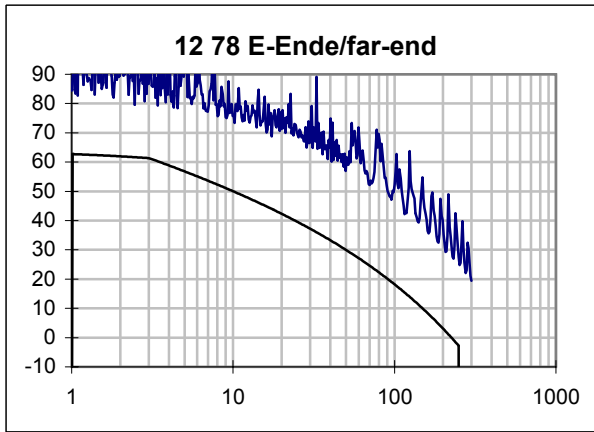
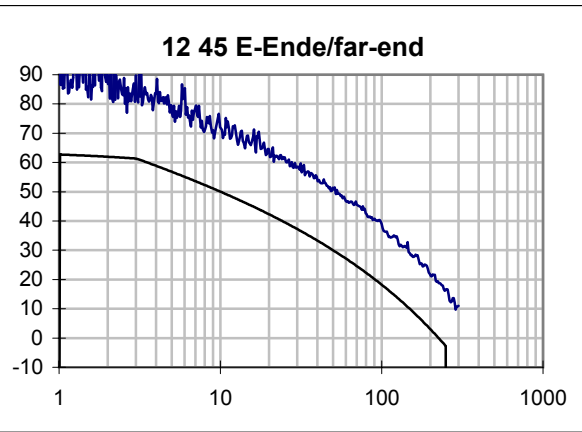
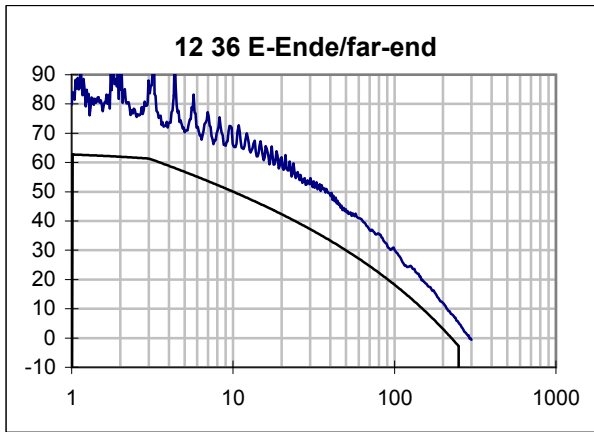


PSELFEXT / dB

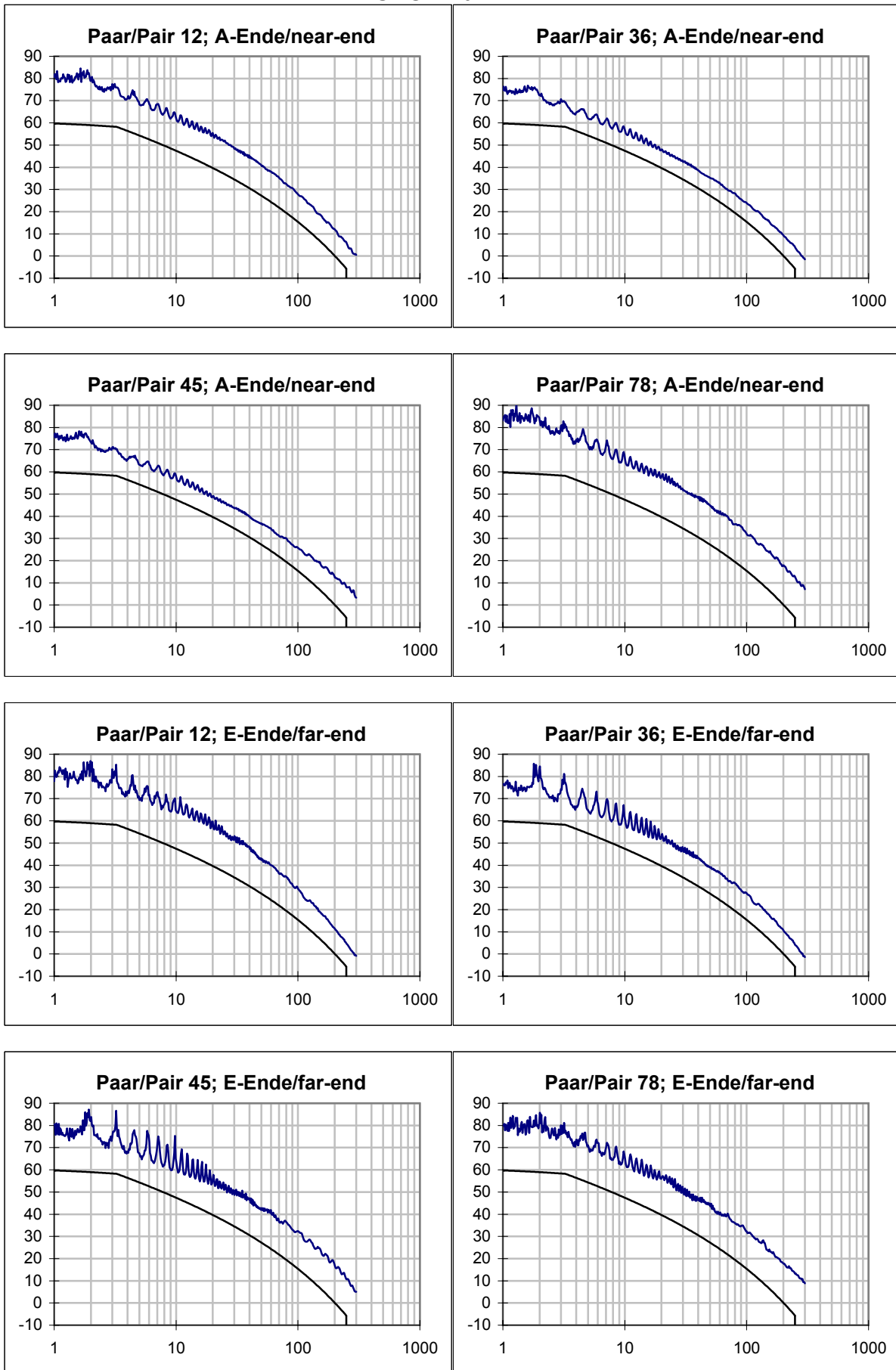


ACR / dB

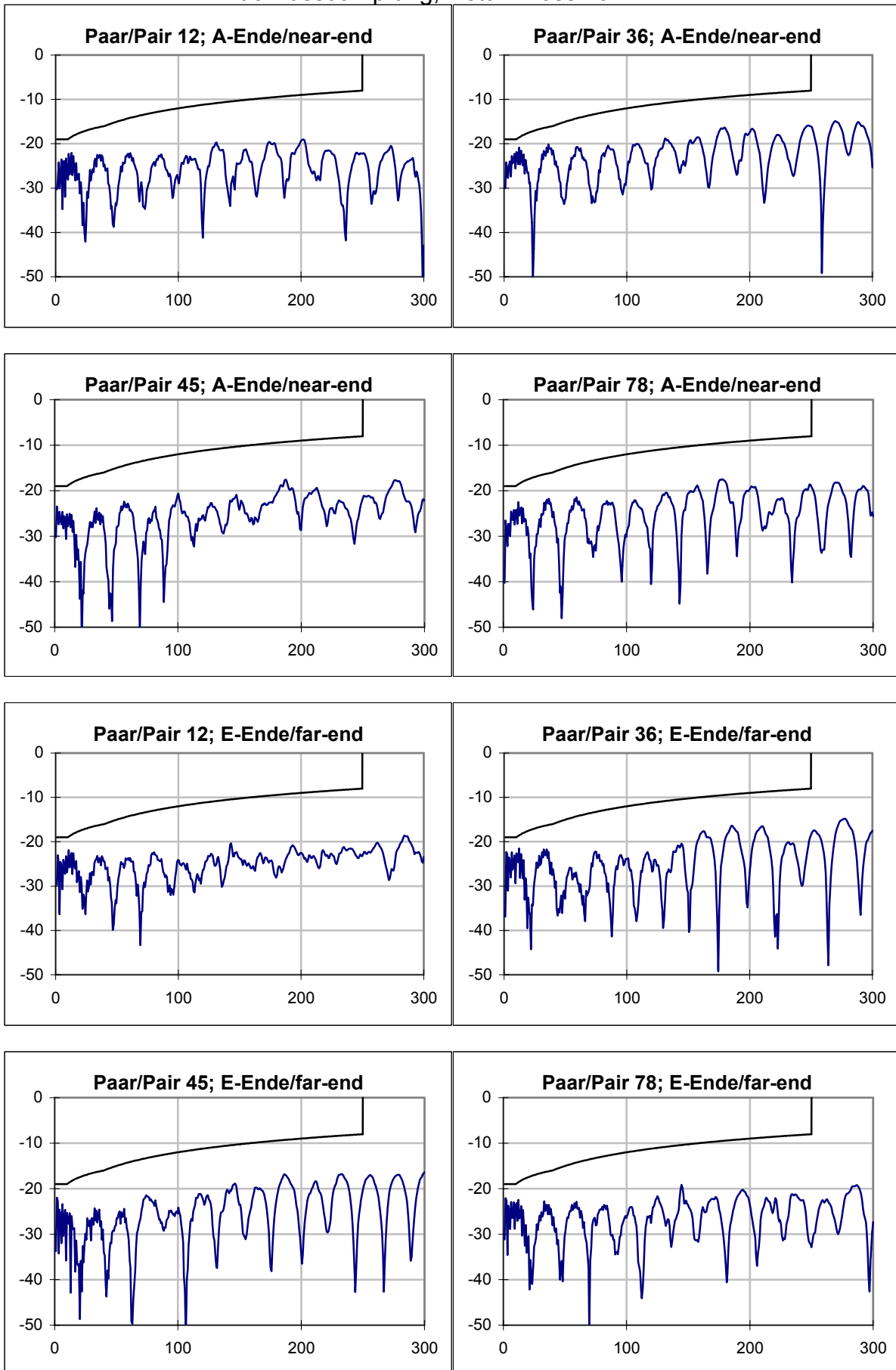




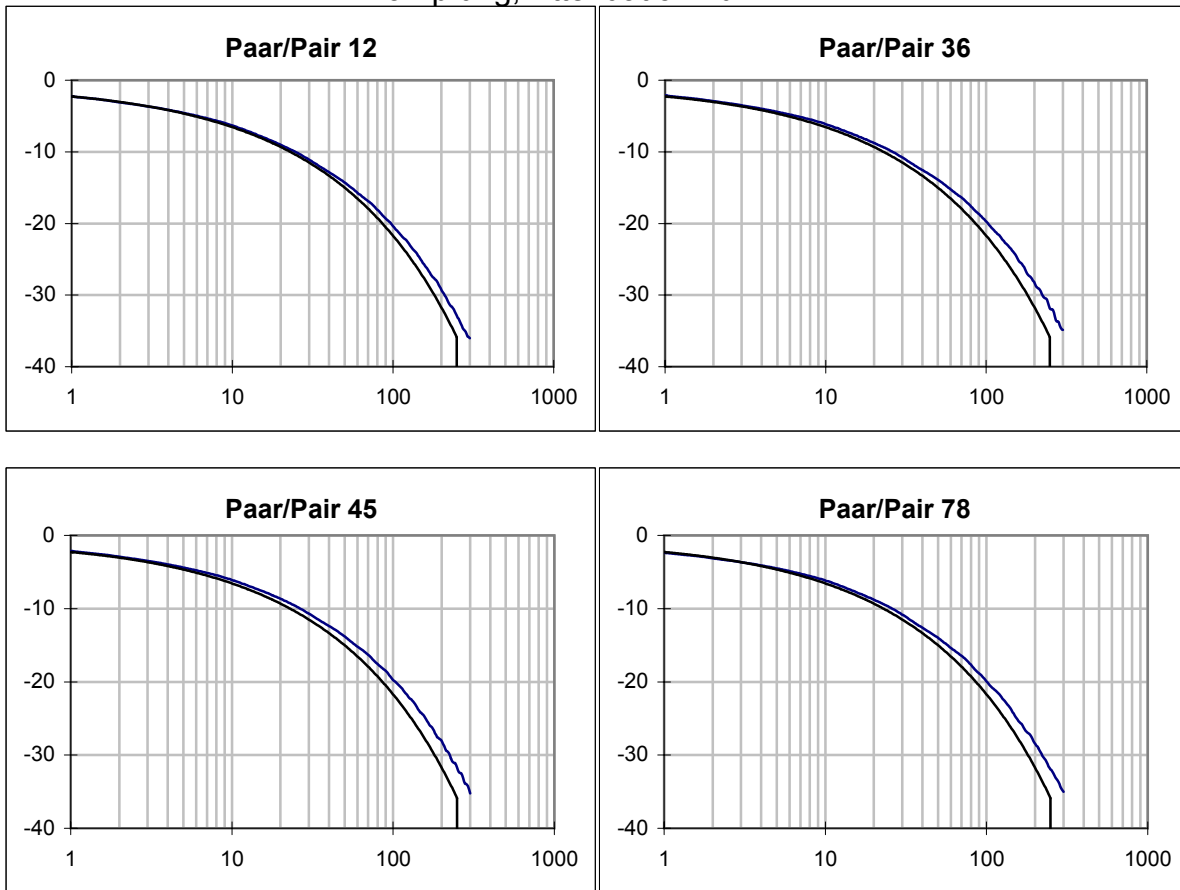
PSACR / dB



Rückflusdämpfung, Return Loss / dB



Dämpfung, Attenuation / dB



Phasen-Laufzeit, Phase-Delay / ns

