

Messprotokoll:
Channel-Messung



Draka Multimedia Cable

Messaufbau:

Patch-Kabel A-Ende: **5 m UC600 SS27 4P (AMP-Stecker)**
 Komponente A-Ende: **Krone KM8 Anschlussmodul Cat.6 geschirmt**
 Tertiärkabel: **90 m UC600 SS23/1 4P**
 Komponente E-Ende: **Krone KM8 Anschlussmodul Cat.6 geschirmt**
 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 bis 300 MHz nicht negativ!*

Datum: 10.07.2002 Prüflabor: Draka Multimedia Cable
 Prüfer: Dr. C. Pfeiler Wohlaue Str. 15
 90475 Nürnberg

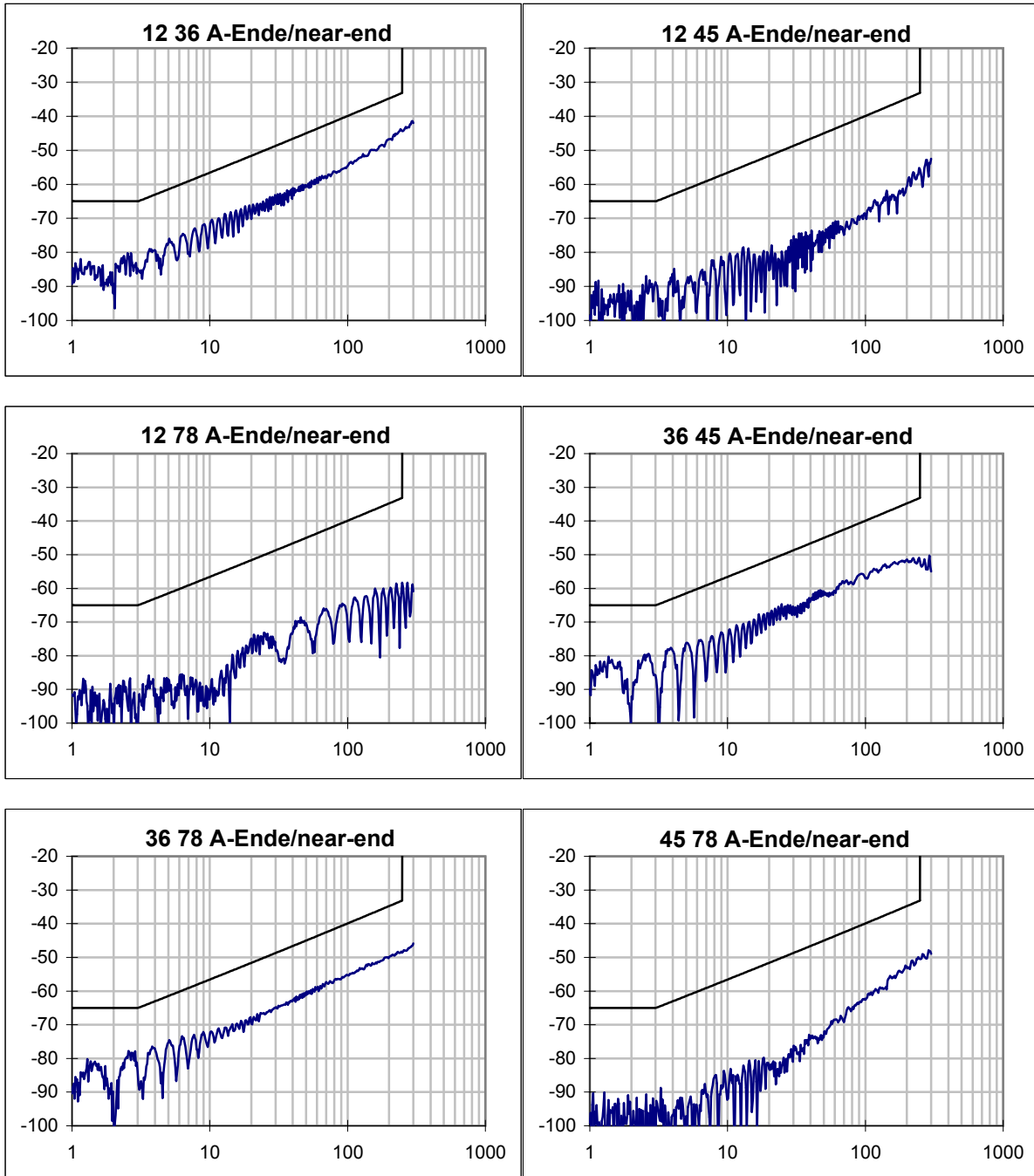
gepr. 

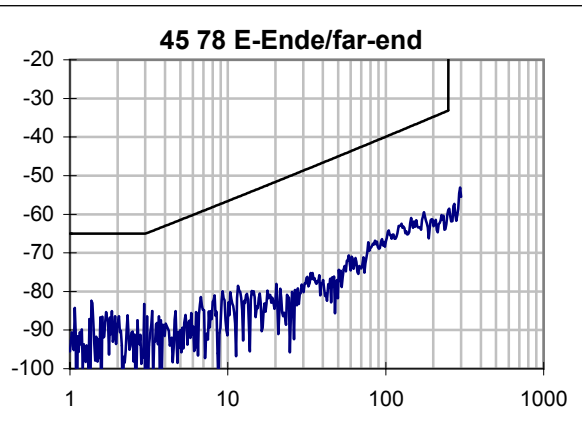
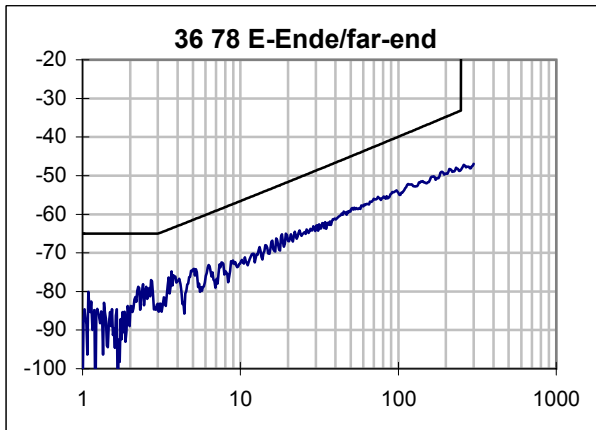
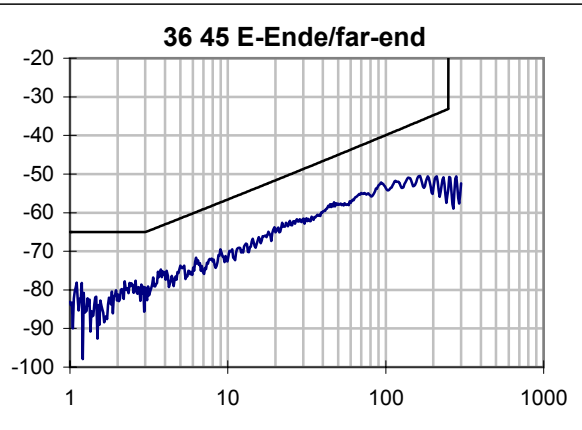
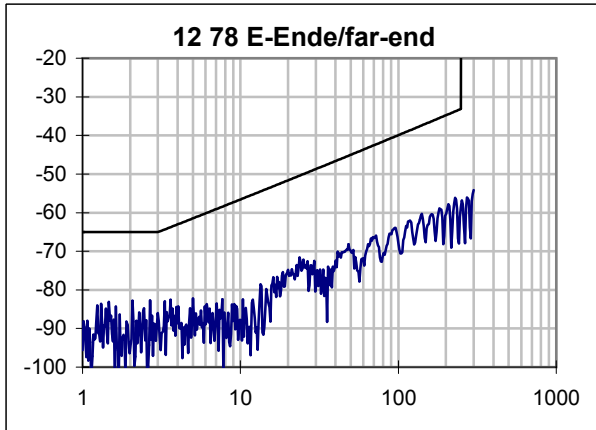
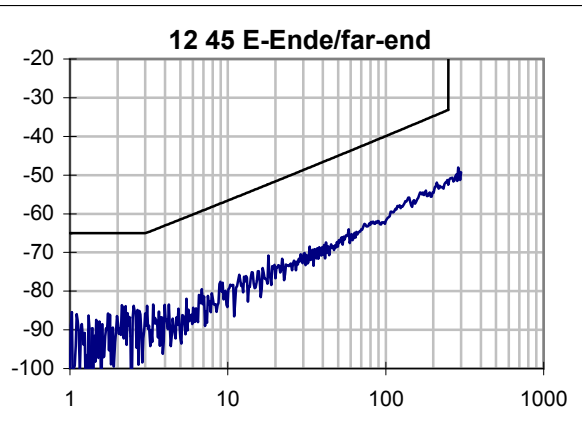
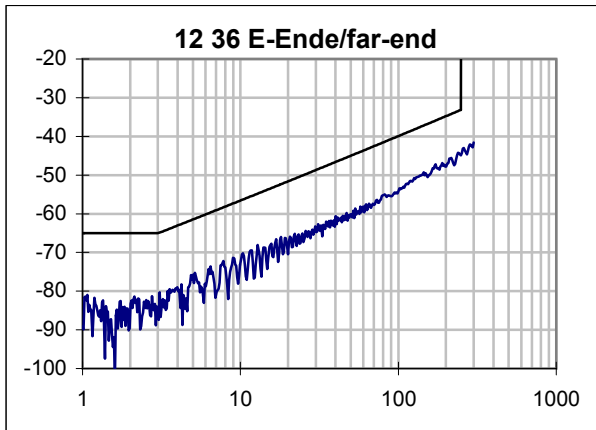
Übersicht Ergebnisse:

Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	450,1	463,9	450,6	453,6		13,9	50
Dämpfung @ 100MHz/dB	19,62	20,19	19,72	19,85	21,7		
Dämpfung @ 250MHz/dB	32,84	32,26	31,79	32,00	35,9		
min PSNEXT-Res. / dB	13,01	10,52	13,25	13,19			
@ f / MHz	238,80	3,77	3,77	3,66			
PSNEXT Gr. / dB	30,50	60,97	60,97	61,17			
PSNEXT @ 100 MHz	53,84	49,21	52,57	53,77	37,1		
PSNEXT @ 250 MHz	44,06	42,97	49,65	47,73	30,2		
min PSELFEXT-Res. / dB	17,45	15,94	16,87	17,13			
@ f / MHz	1,06	1,06	1,00	1,26			
PSELFEXT Gr. / dB	59,76	59,76	60,26	58,27			
PSELFEXT @ 100 MHz	45,27	43,49	48,85	46,90	20,3		
PSELFEXT @ 250 MHz	36,22	35,65	40,04	44,86	12,3		
min PSACR-Reserve / dB	15,4	10,5	13,2	13,2			
@ f / MHz	18,1	3,8	3,8	3,7			
PSACR Grenz. / dB	40,9	56,9	56,9	57,2			
PSACR @ 100 MHz	34,22	29,17	32,45	33,63	15,4		
PSACR @ 250 MHz	11,23	10,34	17,13	15,45	-5,8		
min RL-Reserve / dB	5,4	5,6	7,2	5,8			
@ f / MHz	37,6	35,4	33,9	38,4			
RL Grenzwert / dB	16,1	16,3	16,3	16,1			

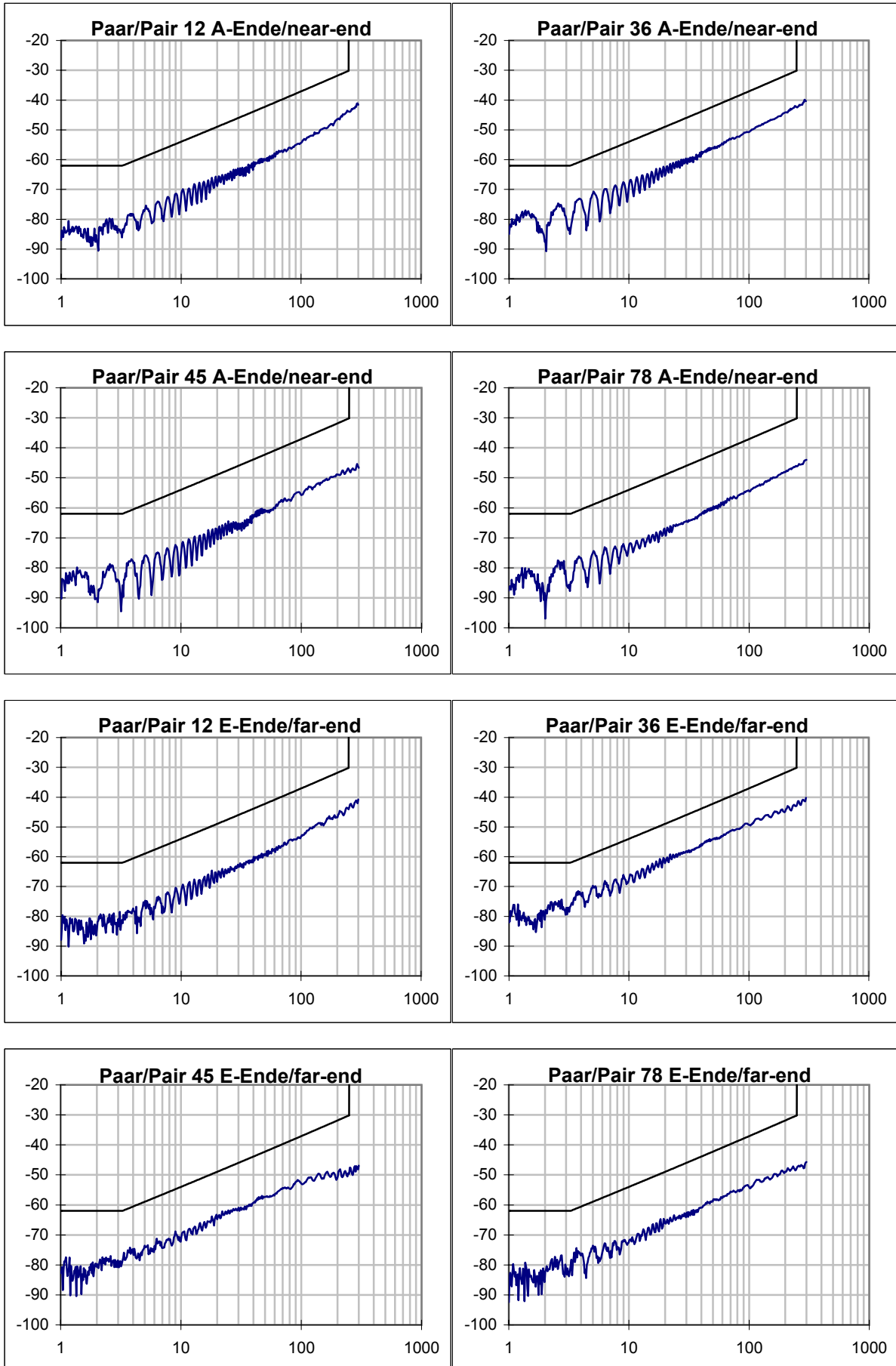
Kombination	12 36	12 45	12 78	36 45	36 78	45 78	Grenzwert
min NEXT-Reserve / dB	10,41	17,55	17,67	11,23	11,13	16,62	
@ f / MHz	242,23	210,04	2,67	3,77	3,66	242,23	
NEXT Grenzw. /dB	33,35	34,42	65,00	63,46	63,66	33,35	
NEXT @ 100 MHz	54,75	62,64	66,25	53,15	54,19	68,39	39,9
NEXT @ 250 MHz	44,91	52,53	58,57	54,01	48,48	58,89	33,1
min ELFEXT-Res. / dB	14,7	21,7	22,8	18,7	17,4	15,3	
@ f / MHz	1,1	3,9	1,1	1,0	1,0	1,3	
ELFEXT Grw. /dB	62,76	51,37	62,27	63,13	63,13	61,15	
ELFEXT @ 100 MHz	45,49	58,29	83,93	54,19	48,96	51,12	23,3
ELFEXT @ 250 MHz	37,17	45,86	46,80	41,50	50,26	56,39	15,3
min ACR-Reserve/ dB	13,6	18,7	17,7	11,2	11,1	17,3	
@ f / MHz	242,2	2,1	2,7	3,8	3,7	1,4	
ACR Grenzw. /dB	-2,0	61,9	61,5	59,4	59,6	62,4	
ACR @ 100 MHz	35,14	43,02	46,63	32,96	34,00	48,68	18,2
ACR @ 250 MHz	12,08	19,70	25,73	21,75	16,22	27,11	-2,8

NEXT / dB

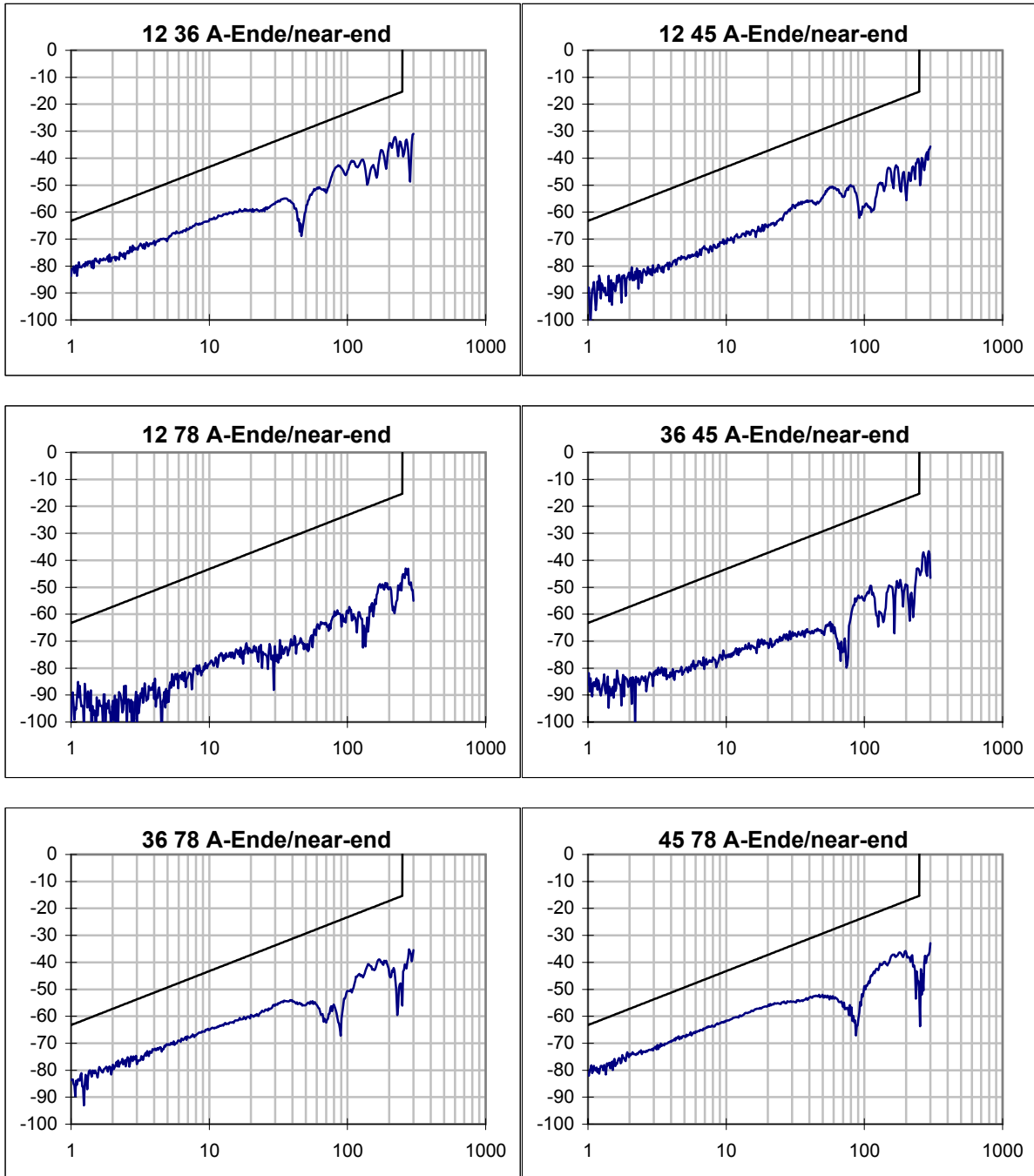


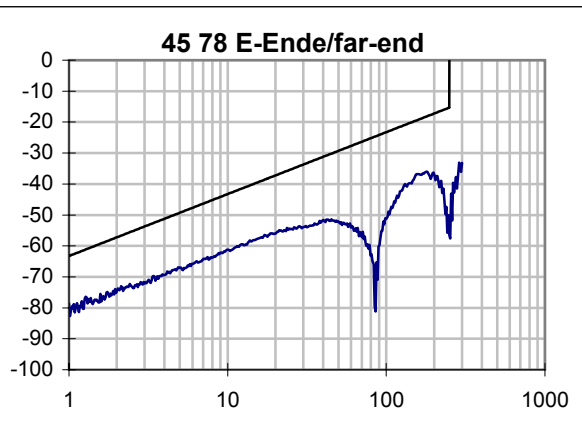
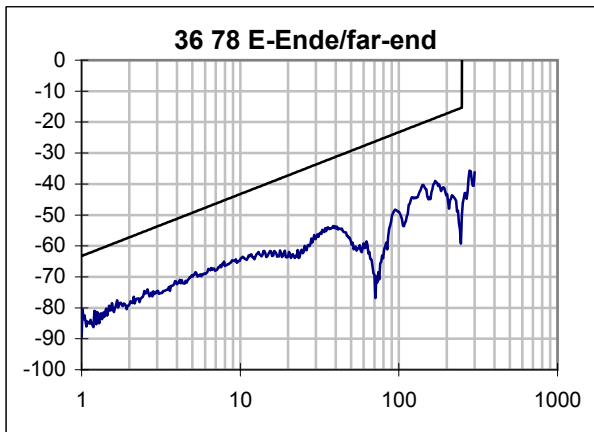
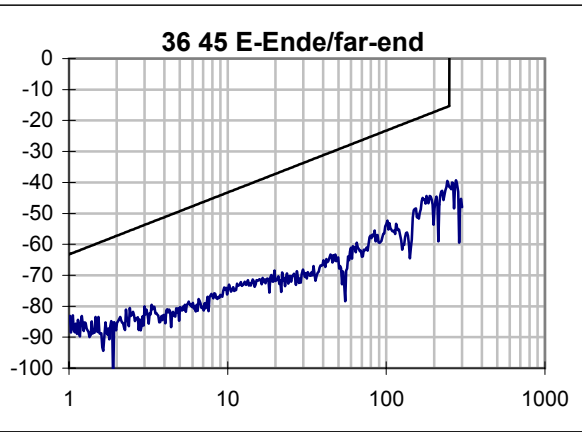
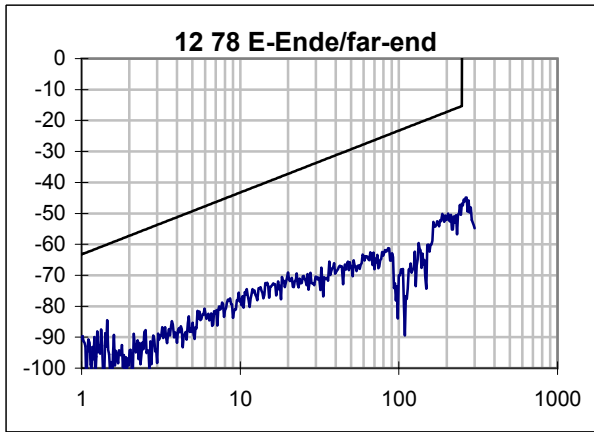
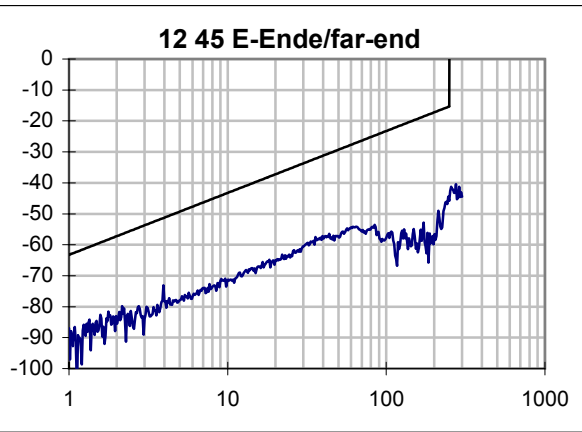
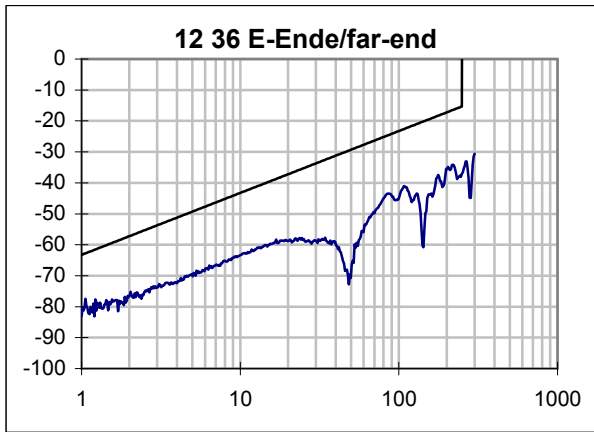


PSNEXT / dB

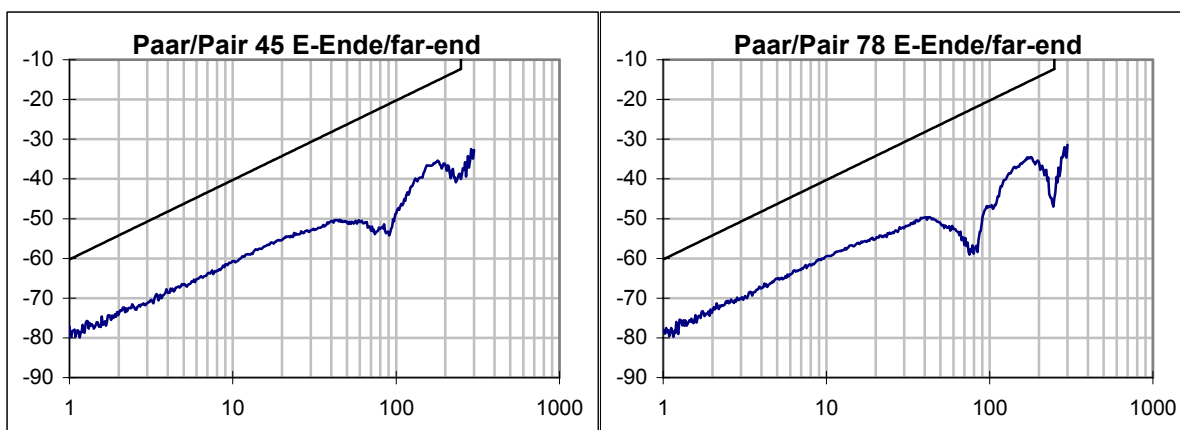
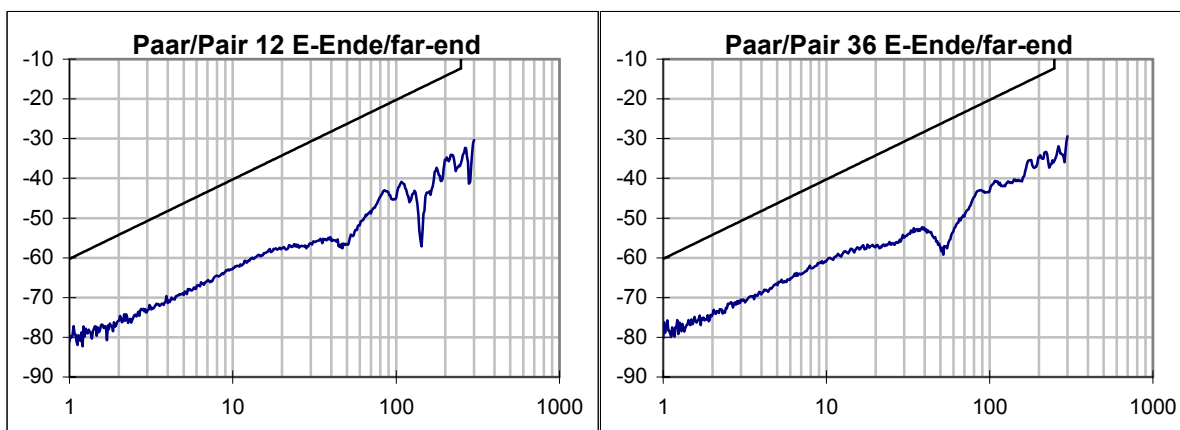
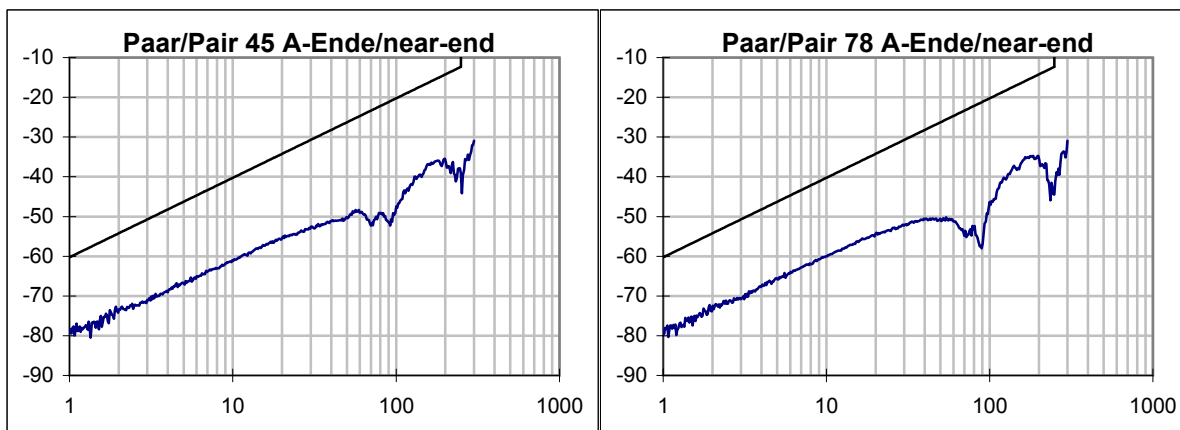
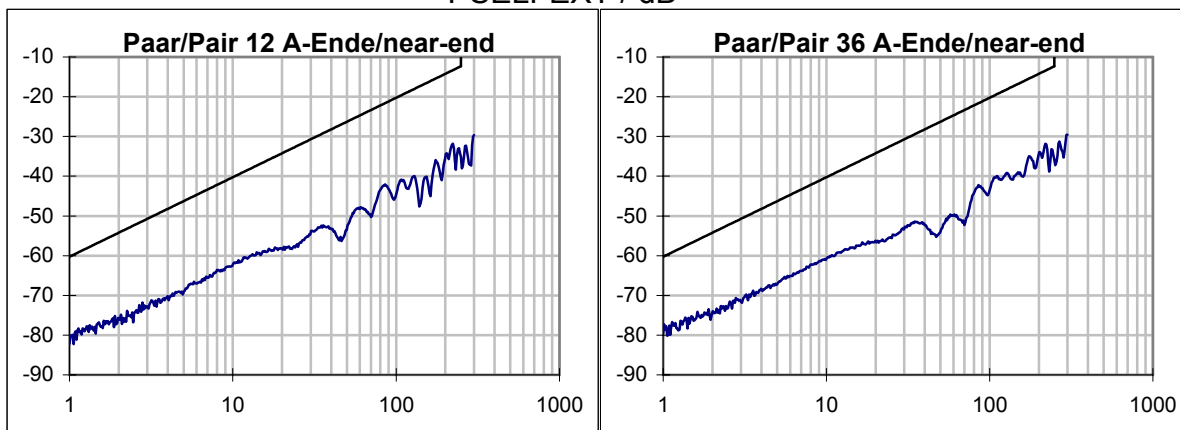


ELFEXT / dB

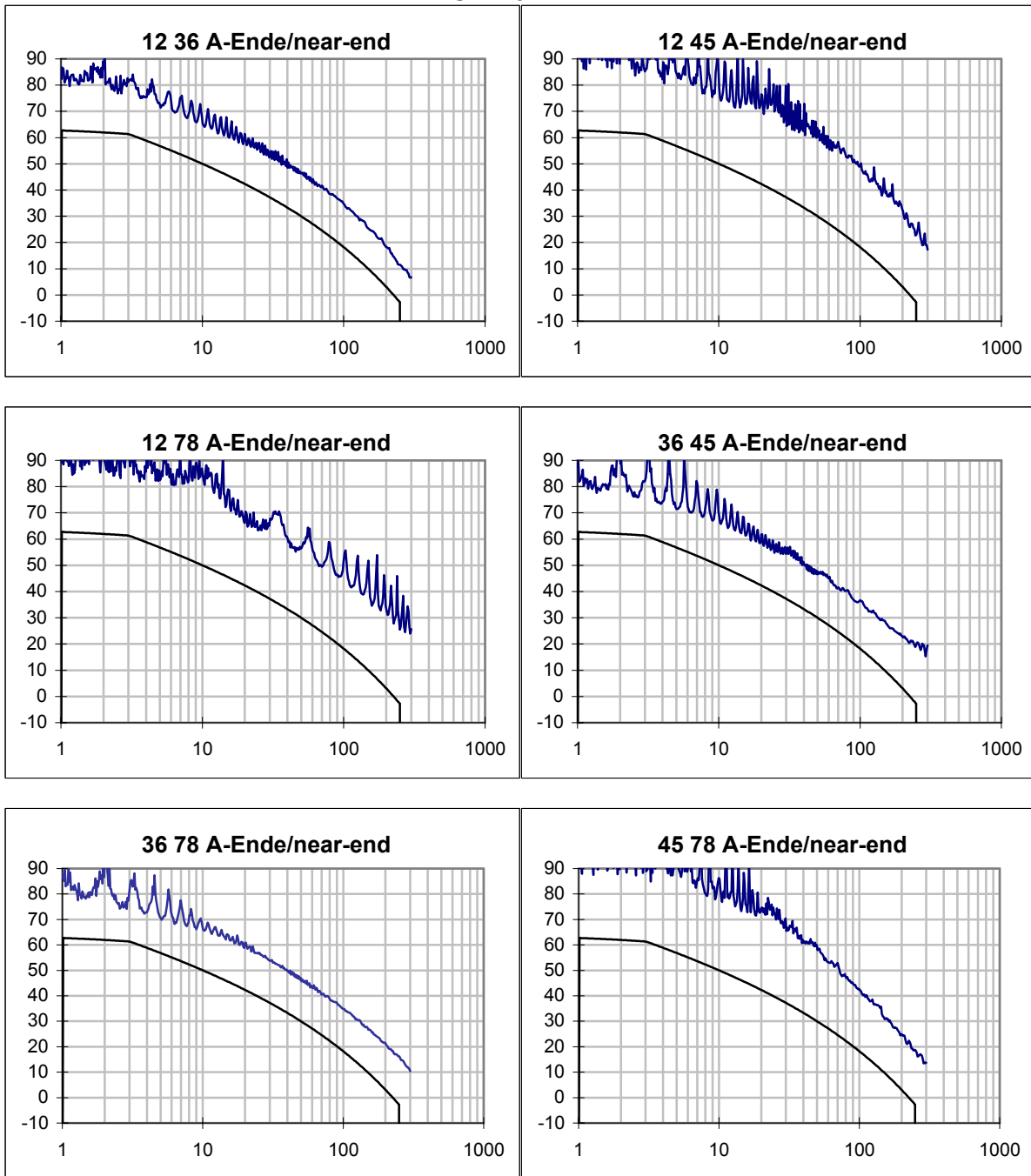


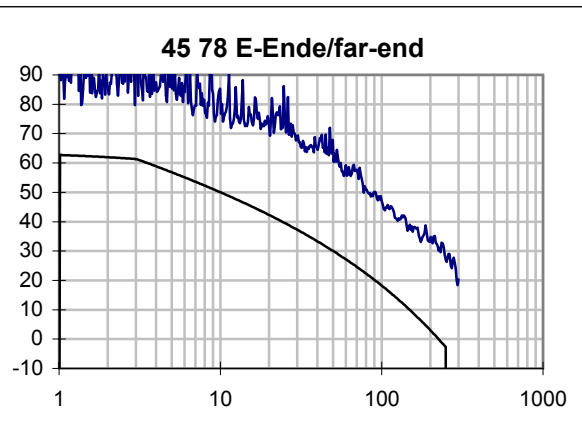
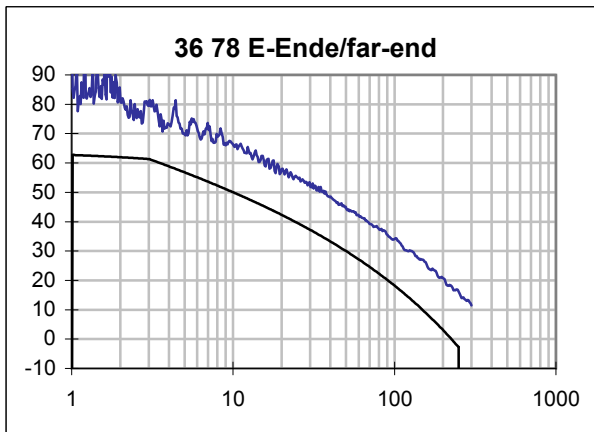
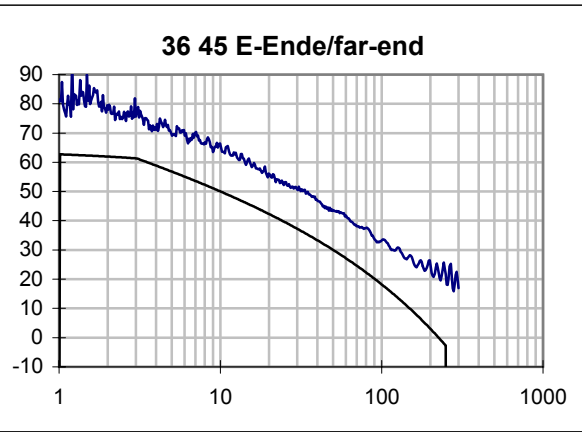
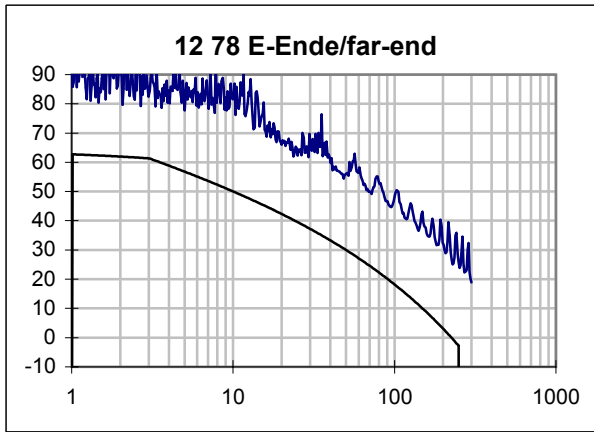
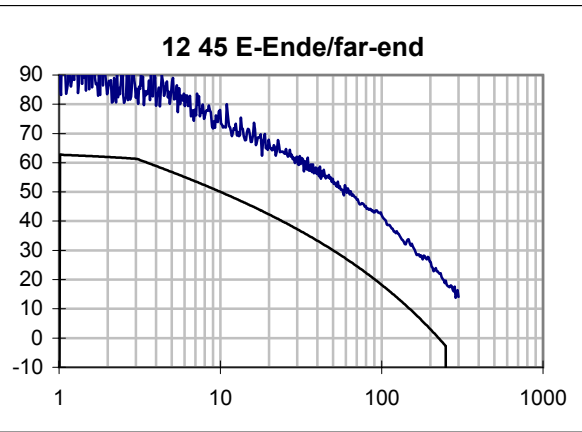
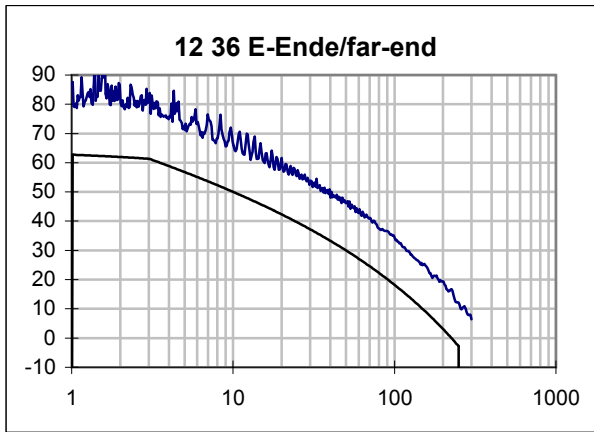


PSELFEXT / dB

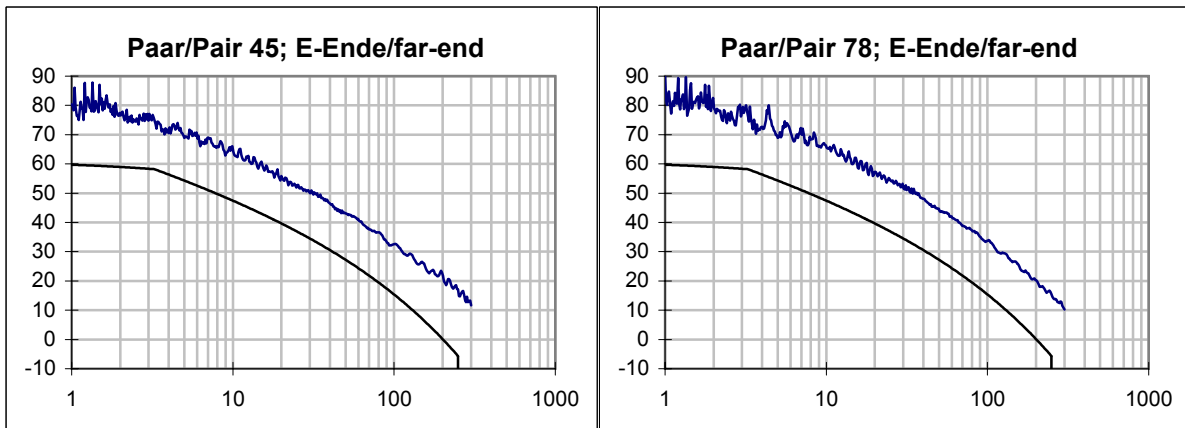
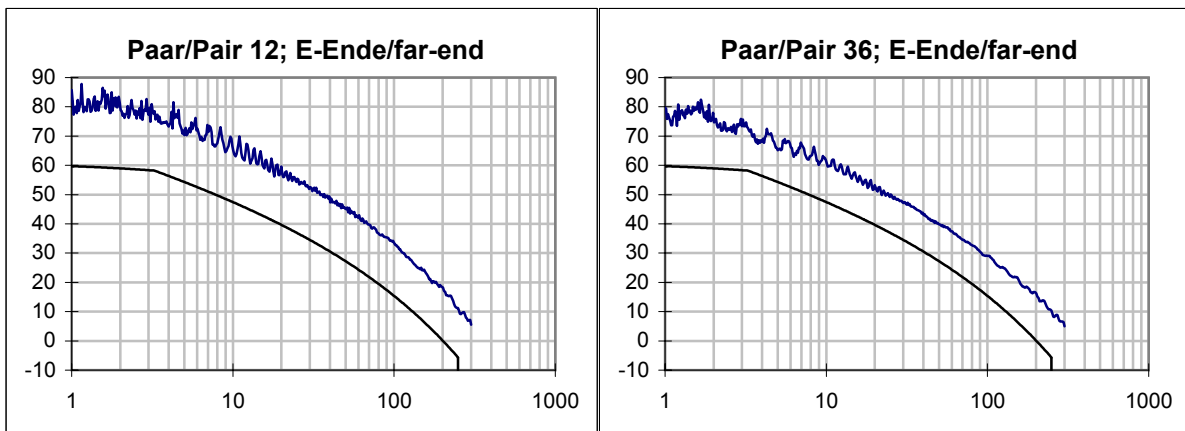
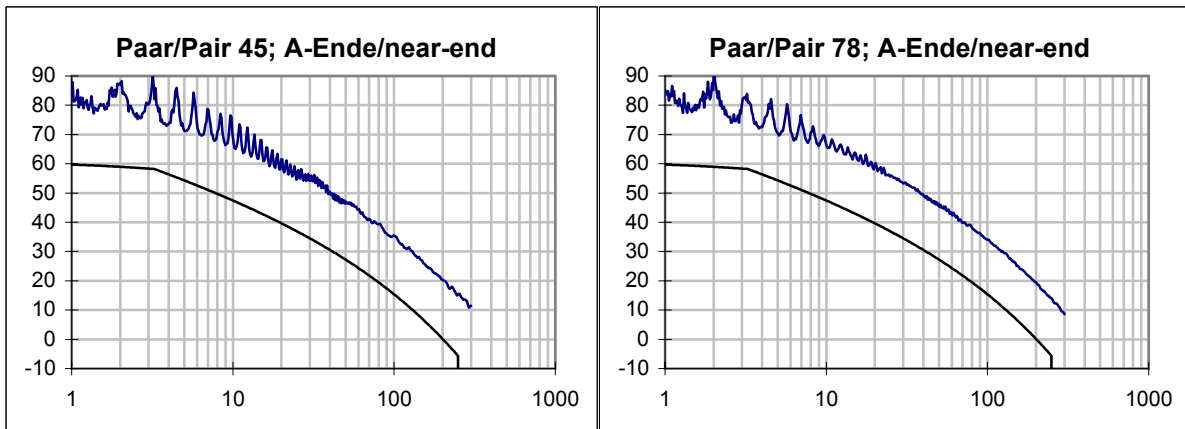
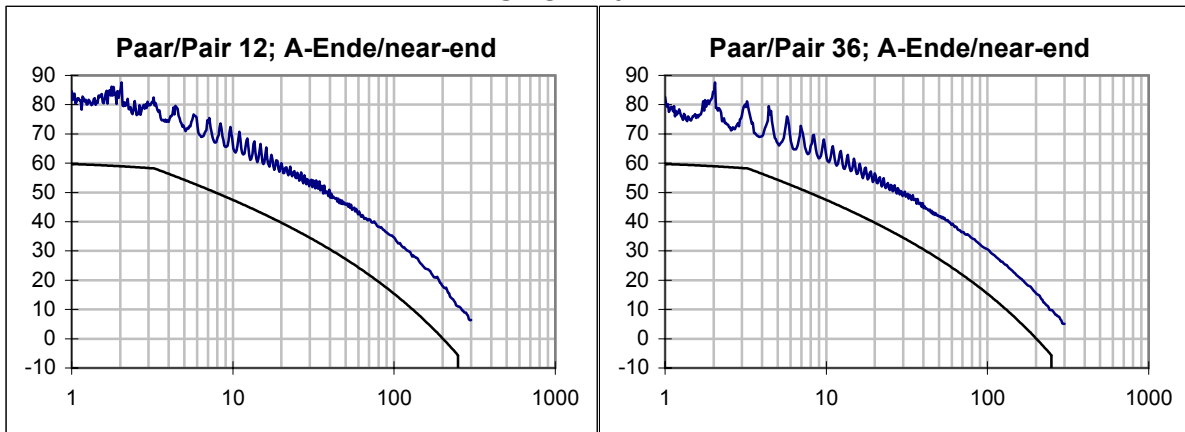


ACR / dB

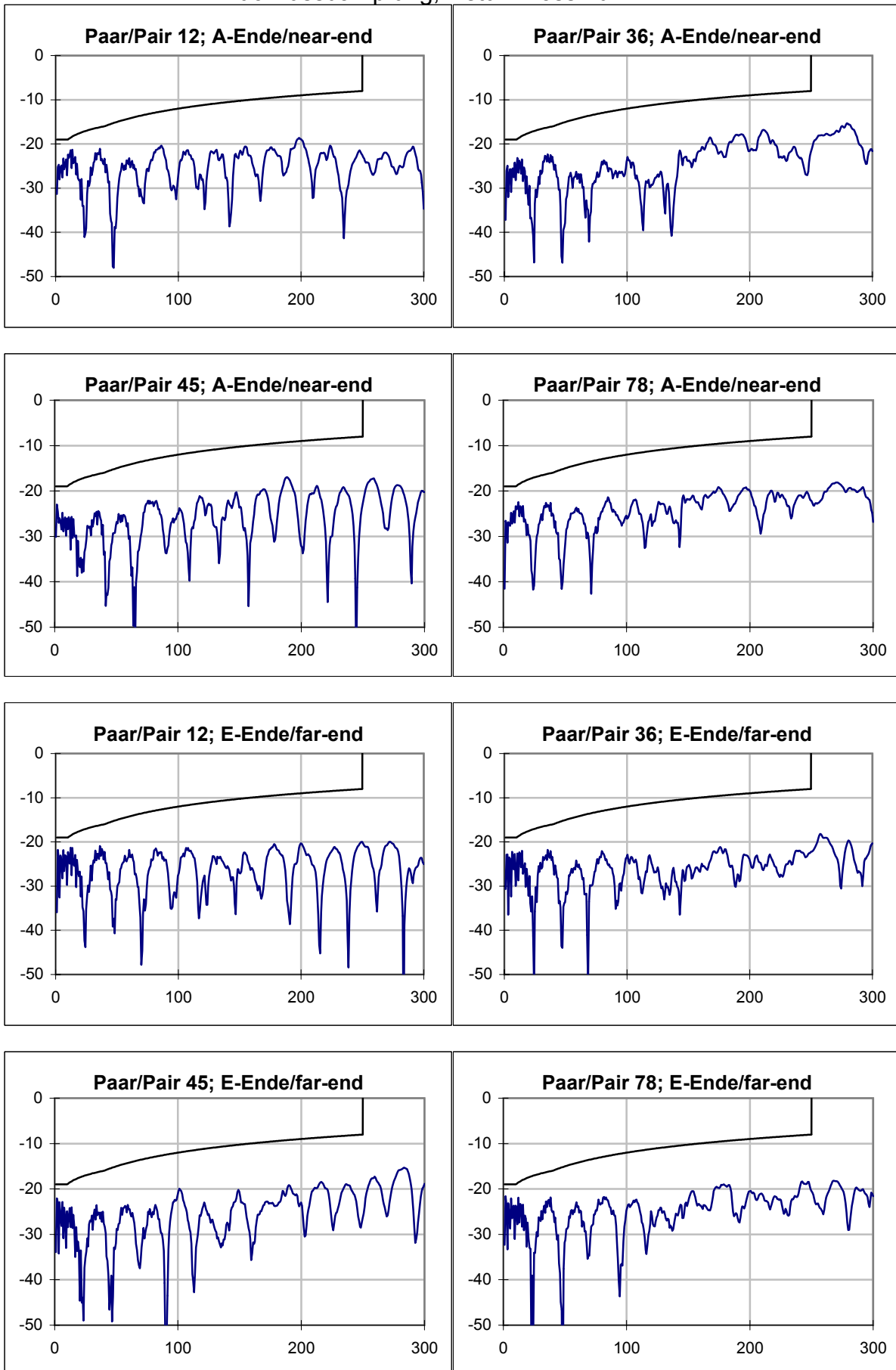




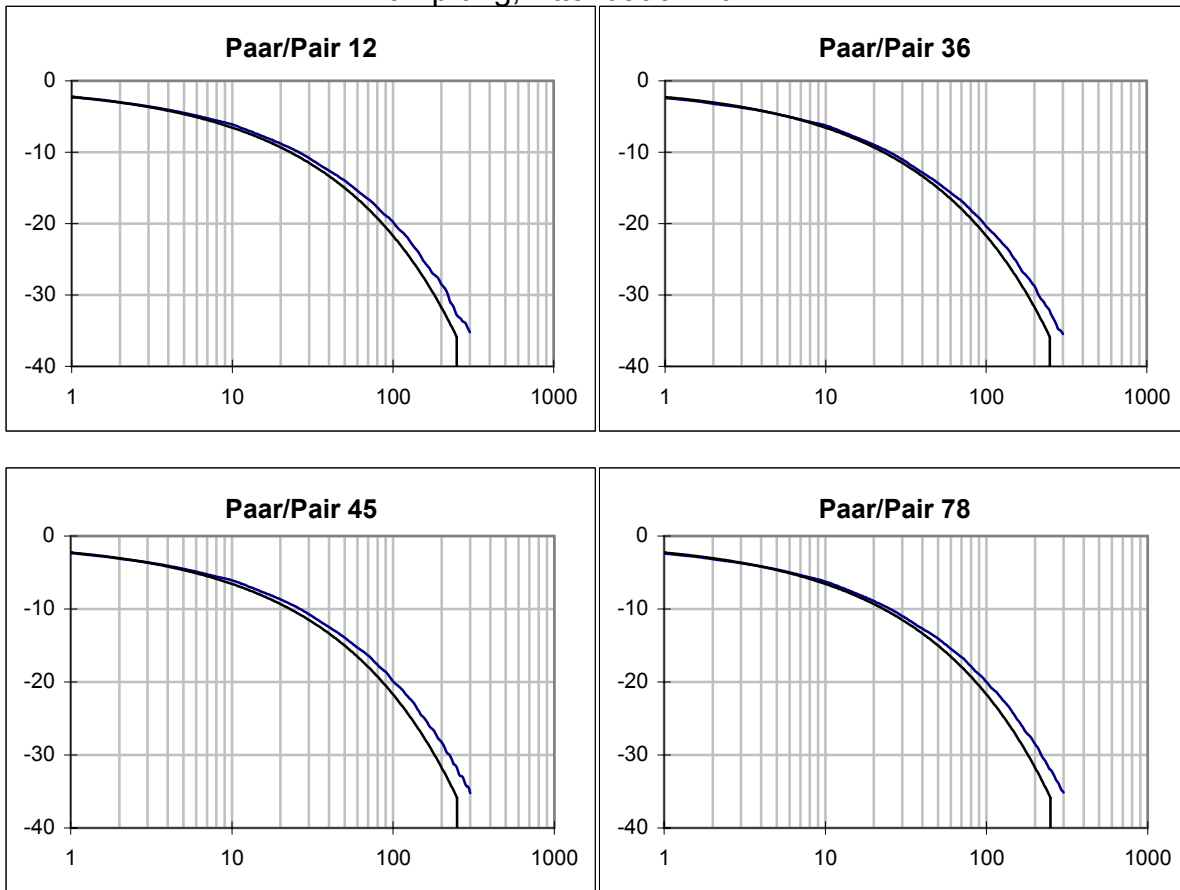
PSACR / dB



Rückflusdämpfung, Return Loss / dB



Dämpfung, Attenuation / dB



Phasen-Laufzeit, Phase-Delay / ns

