

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 UC1200 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: 15.07.2002 Prüflabor: Draka Multimedia Cable
 Prüfer: Dr. C. Pfeiler Wohlaue Str. 15
 90475 Nürnberg

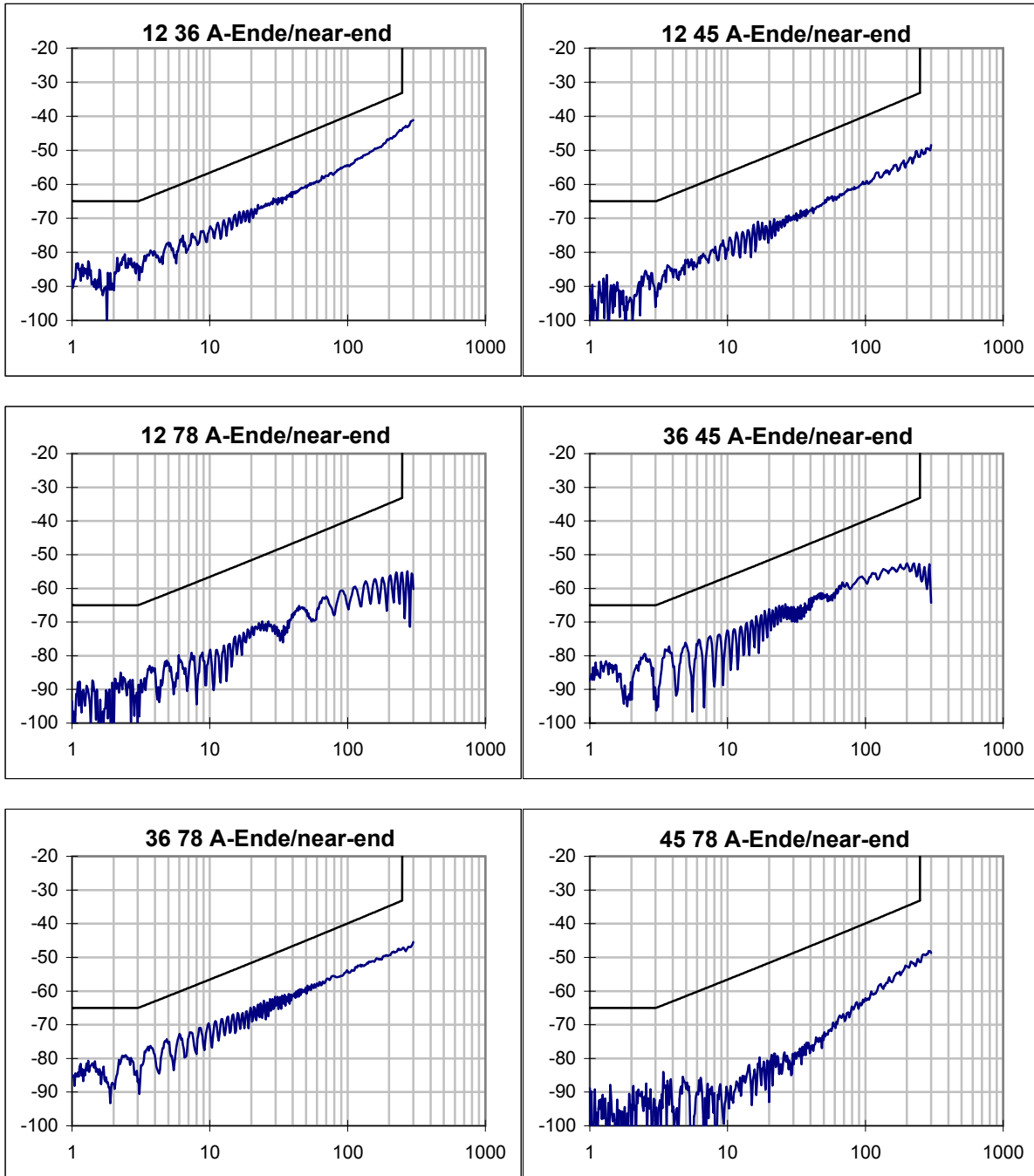
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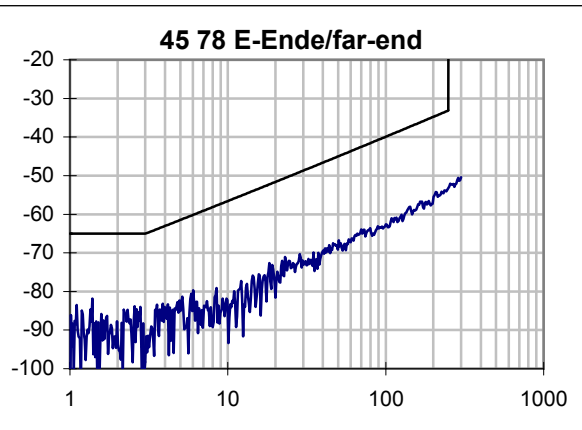
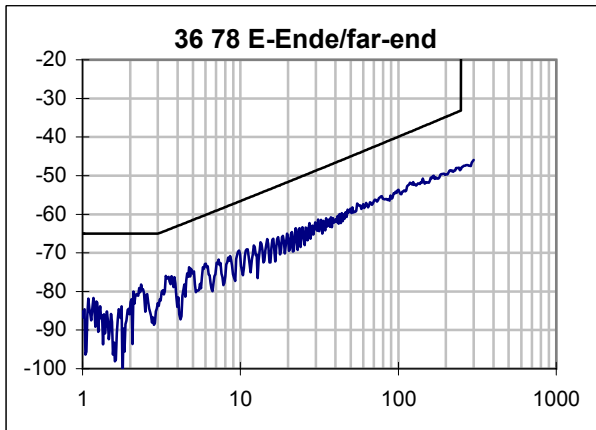
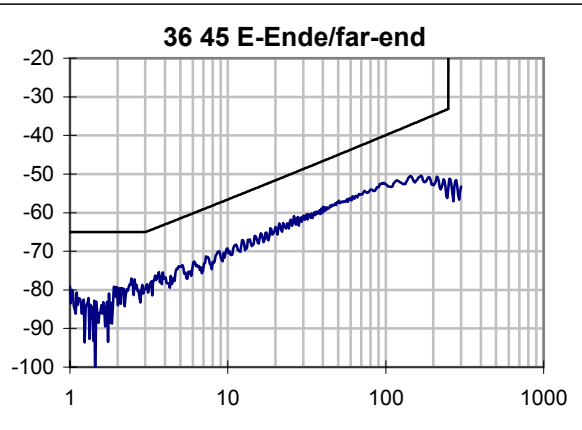
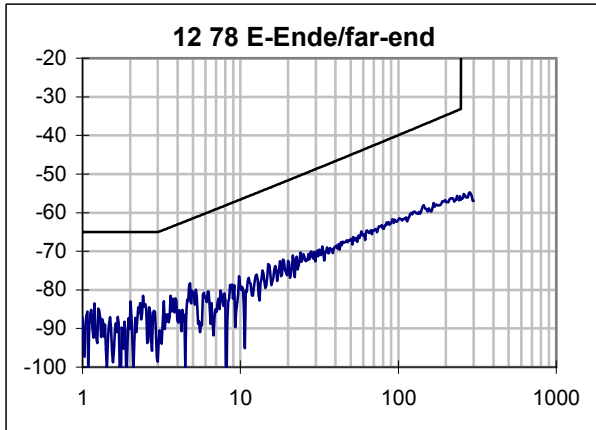
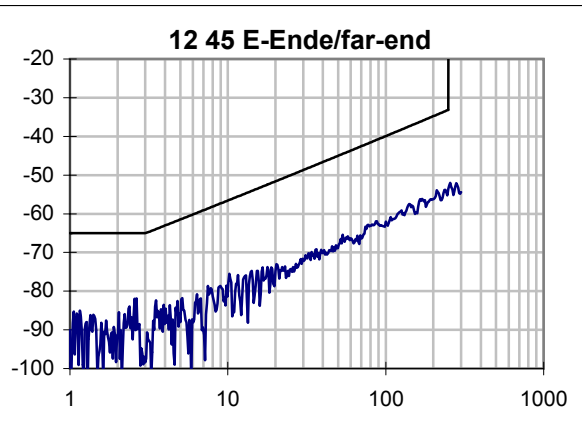
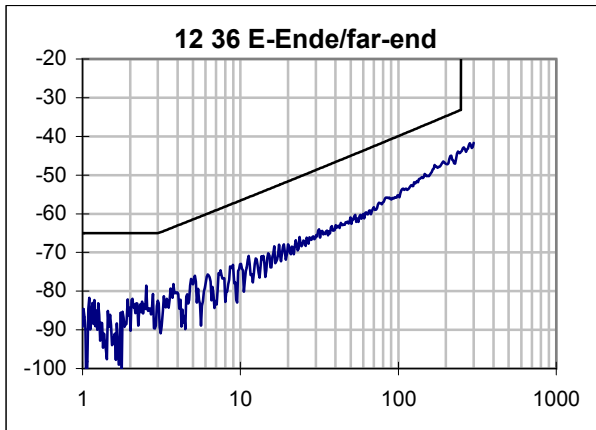
Übersicht Ergebnisse:

Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	465,0	477,5	462,9	469,4		14,6	50
Dämpfung @ 100MHz/dB	19,88	19,77	19,81	19,84	21,7		
Dämpfung @ 250MHz/dB	32,24	31,55	31,89	32,11	35,9		
min PSNEXT-Res. / dB	12,72	10,85	13,35	12,88			
@ f / MHz	238,80	3,66	2,56	4,73			
PSNEXT Gr. / dB	30,50	61,17	62,00	59,35			
PSNEXT @ 100 MHz	53,95	48,94	51,79	52,84	37,1		
PSNEXT @ 250 MHz	43,34	42,32	48,73	46,64	30,2		
min PSELFEXT-Res. / dB	18,46	16,69	17,51	17,31			
@ f / MHz	1,03	1,14	1,24	1,24			
PSELFEXT Gr. / dB	60,01	59,14	58,40	58,40			
PSELFEXT @ 100 MHz	48,12	47,75	45,68	45,78	20,3		
PSELFEXT @ 250 MHz	32,72	32,80	34,90	34,90	12,3		
min PSACR-Reserve / dB	15,2	10,9	13,3	13,0			
@ f / MHz	2,5	3,7	2,6	4,7			
PSACR Grenz. / dB	58,6	57,2	58,6	54,8			
PSACR @ 100 MHz	34,07	29,15	32,01	33,05	15,4		
PSACR @ 250 MHz	11,10	10,28	16,82	14,94	-5,8		
min RL-Reserve / dB	4,6	4,5	8,5	5,5			
@ f / MHz	36,1	33,9	79,5	34,6			
RL Grenzwert / dB	16,2	16,3	13,0	16,3			

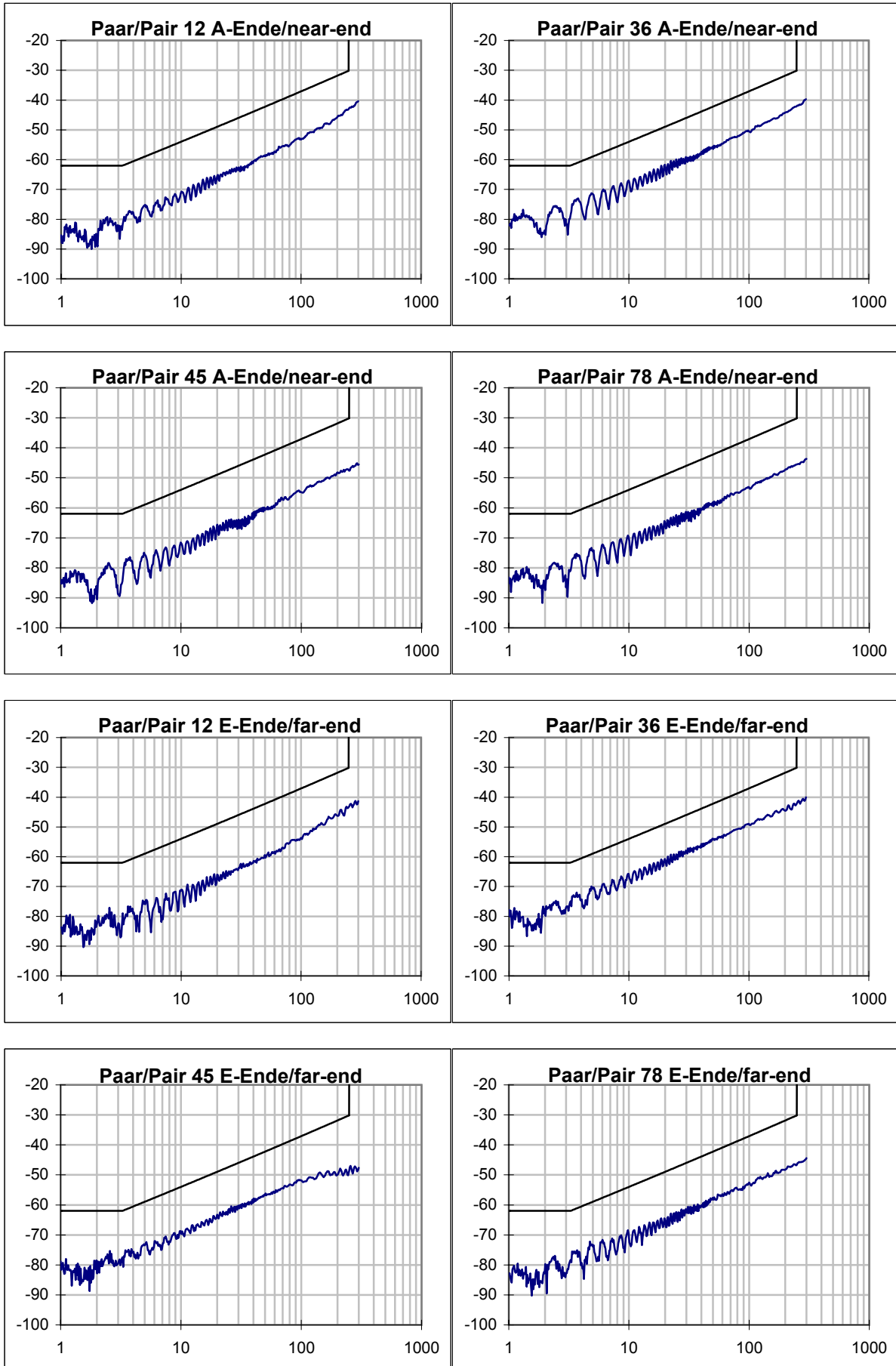
Kombination	12 36	12 45	12 78	36 45	36 78	45 78	Grenzwert
min NEXT-Reserve / dB	10,41	16,67	16,51	11,17	11,69	16,86	
@ f / MHz	238,80	235,42	2,42	26,19	3,36	1,39	
NEXT Grenzw. /dB	33,46	33,56	65,00	49,69	64,26	65,00	
NEXT @ 100 MHz	55,28	63,34	62,21	52,46	53,85	63,15	39,9
NEXT @ 250 MHz	44,01	53,55	56,61	53,77	48,32	53,21	33,1
min ELFEXT-Res. / dB	16,6	21,0	23,4	18,8	18,5	15,7	
@ f / MHz	1,0	1,0	1,1	1,1	1,1	1,2	
ELFEXT Grw. /dB	63,01	63,26	62,39	62,27	62,14	61,40	
ELFEXT @ 100 MHz	49,53	53,91	66,82	59,19	53,53	46,62	23,3
ELFEXT @ 250 MHz	34,27	39,02	44,57	45,26	39,19	37,74	15,3
min ACR-Reserve/ dB	13,6	16,9	16,5	11,7	11,7	16,9	
@ f / MHz	2,5	2,6	2,4	3,7	3,4	1,4	
ACR Grenzw. /dB	61,6	61,6	61,7	59,6	60,4	62,4	
ACR @ 100 MHz	35,40	43,46	42,33	32,69	34,08	43,34	18,2
ACR @ 250 MHz	11,76	21,31	24,36	22,22	16,77	21,32	-2,8

NEXT / dB

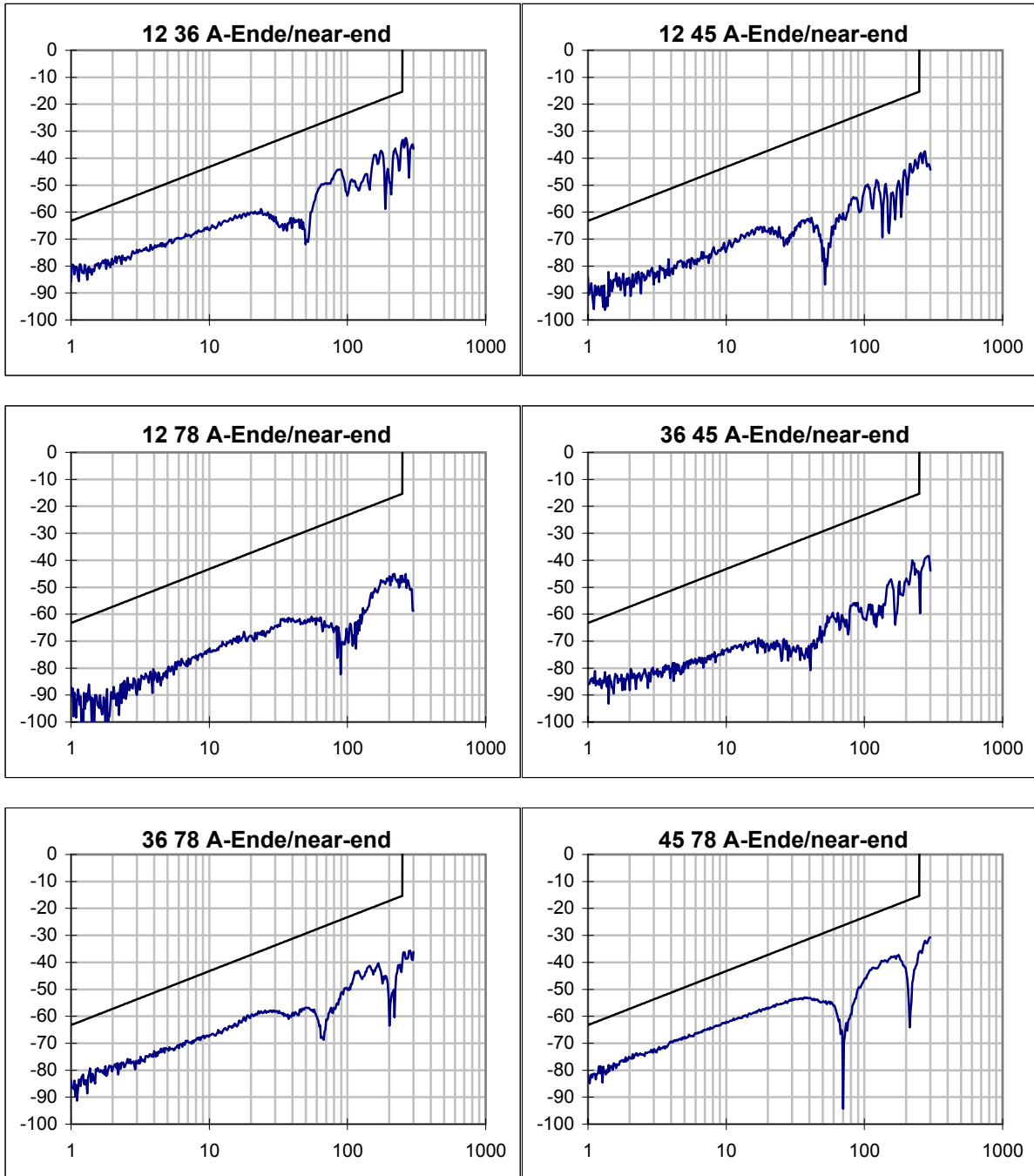


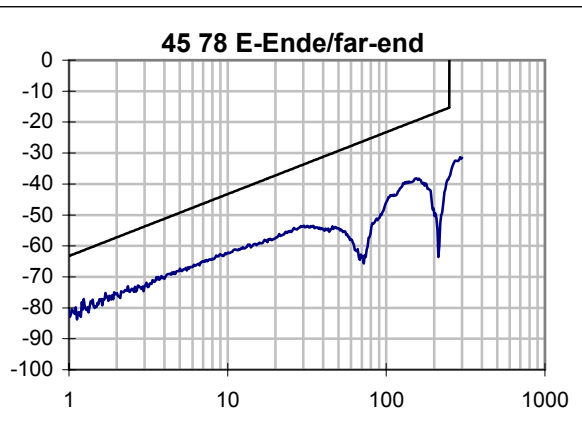
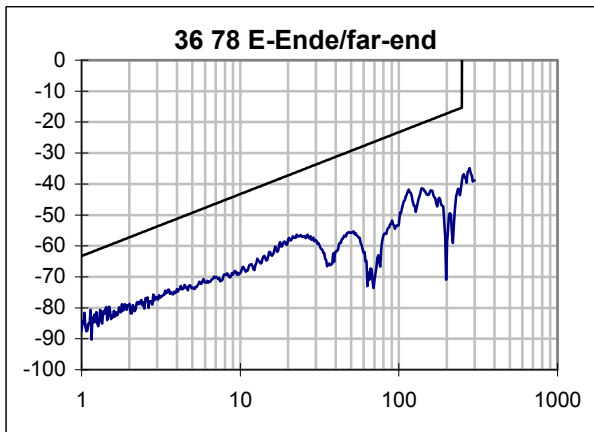
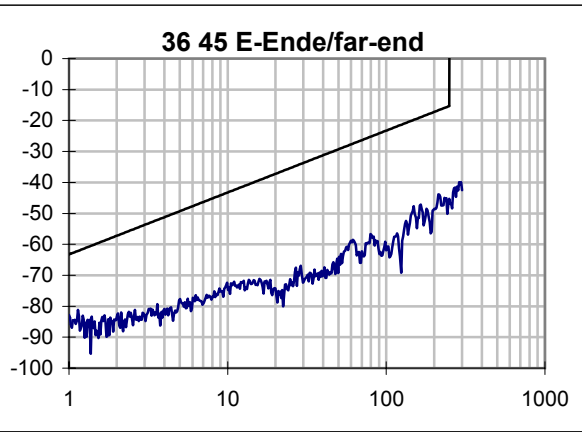
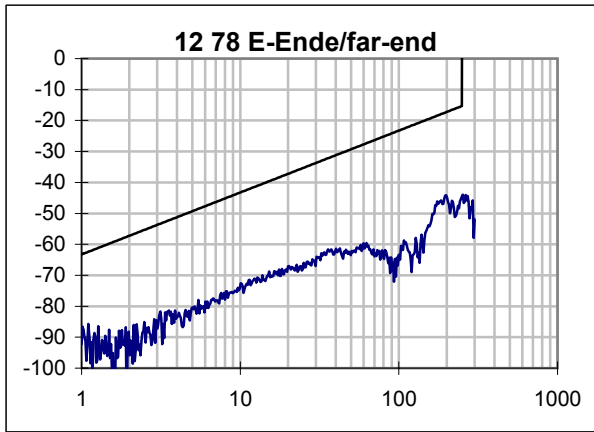
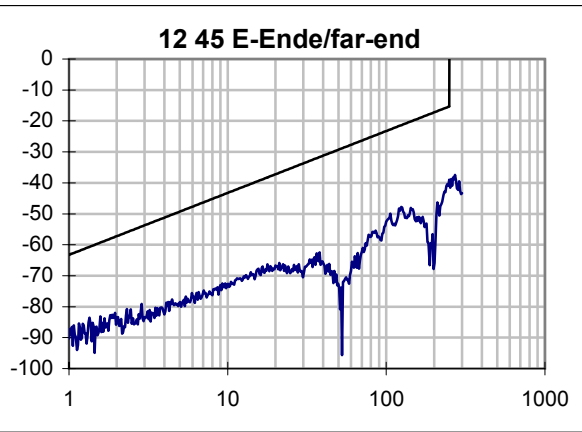
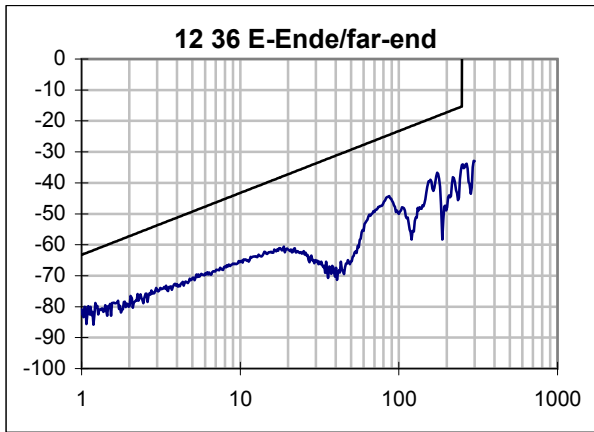


PSNEXT / dB

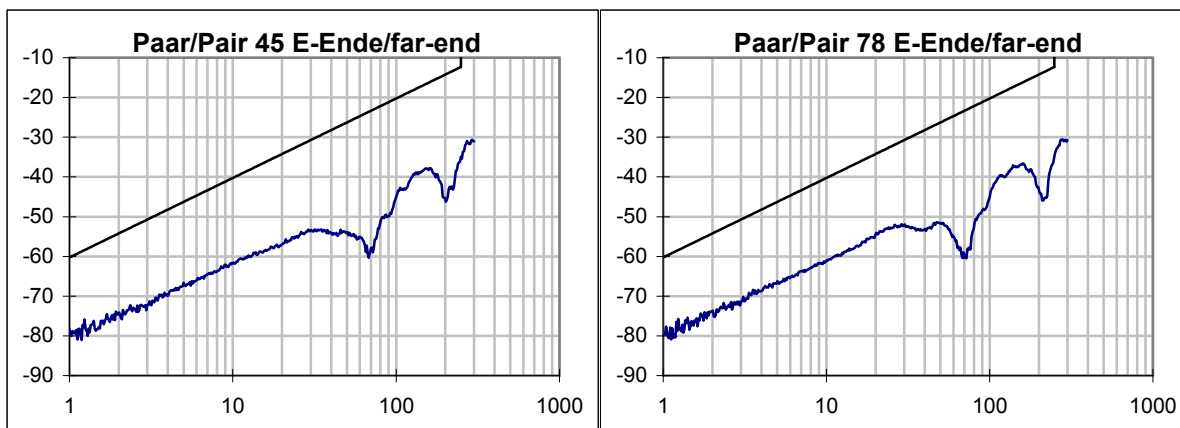
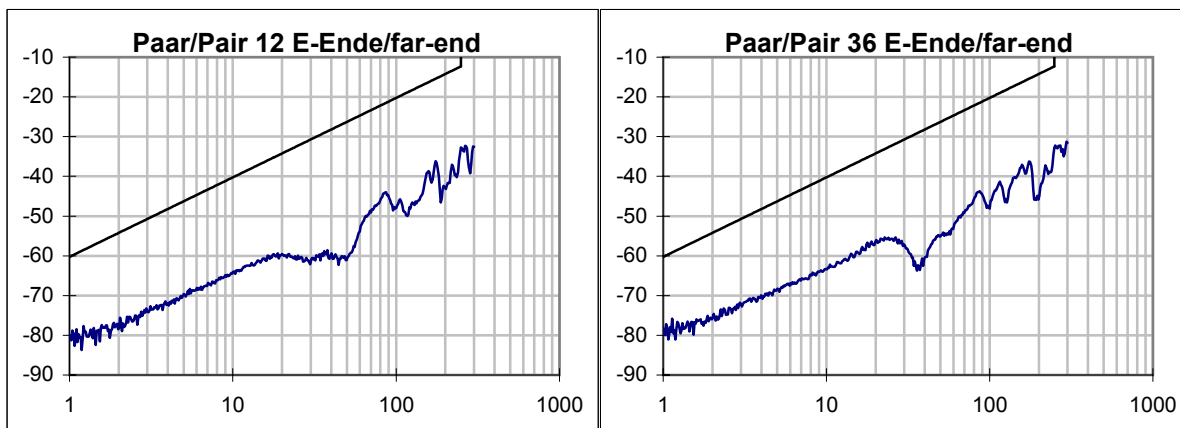
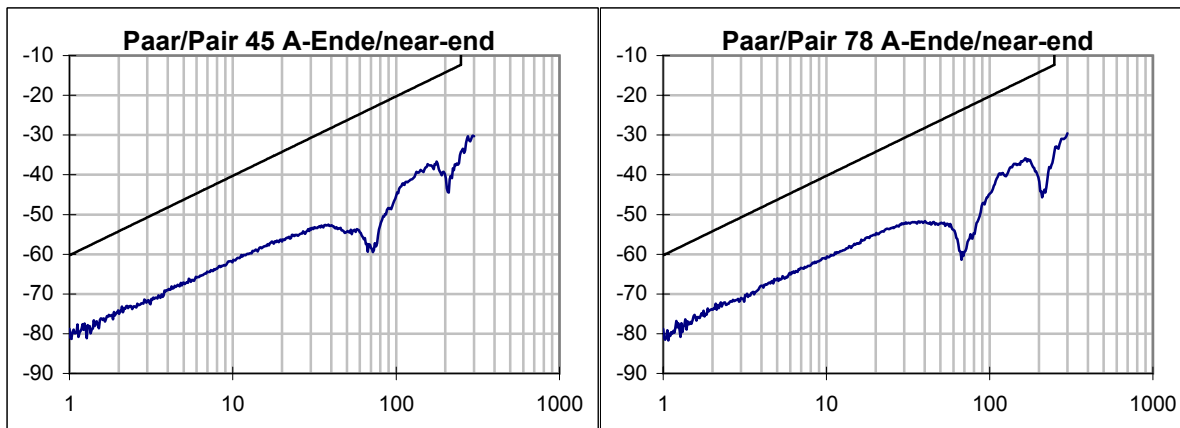
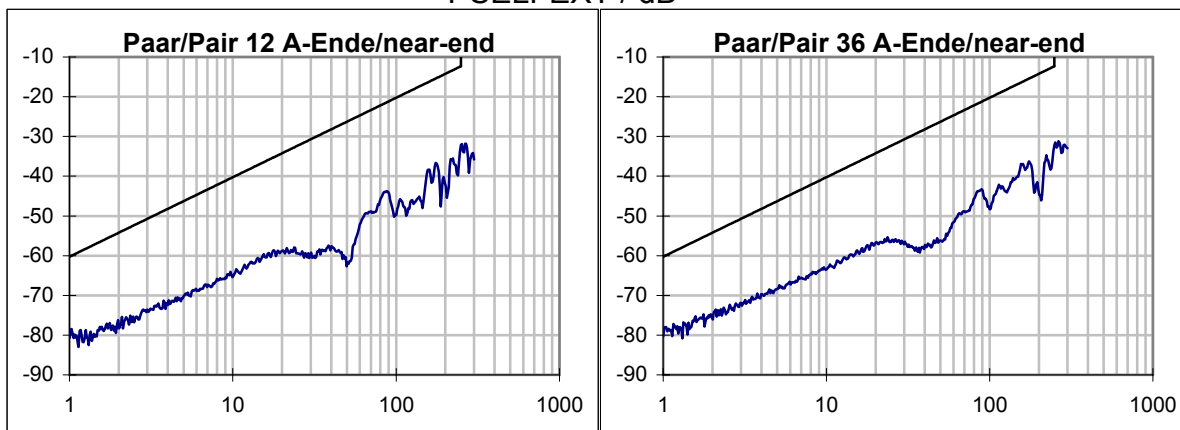


ELFEXT / dB

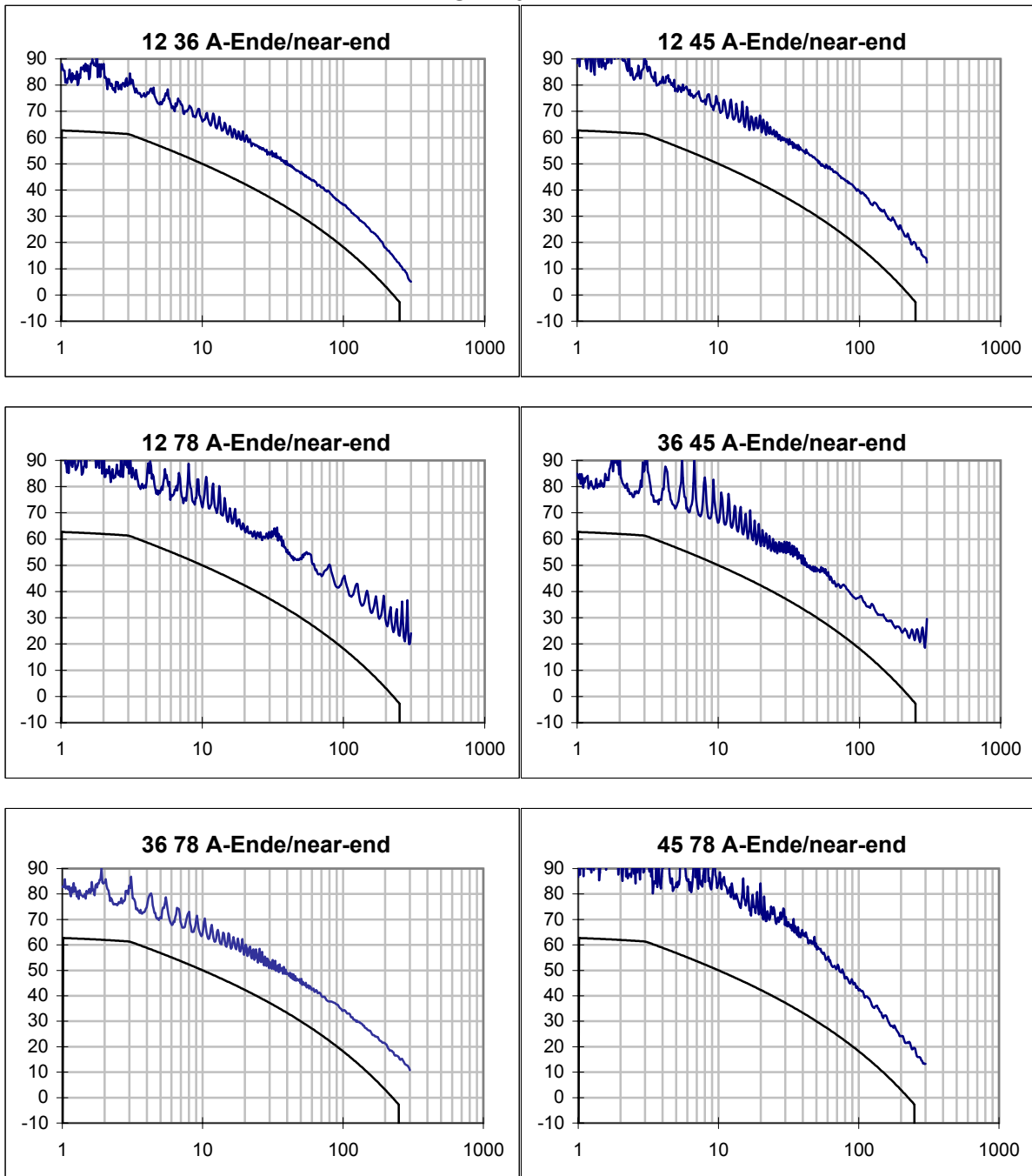


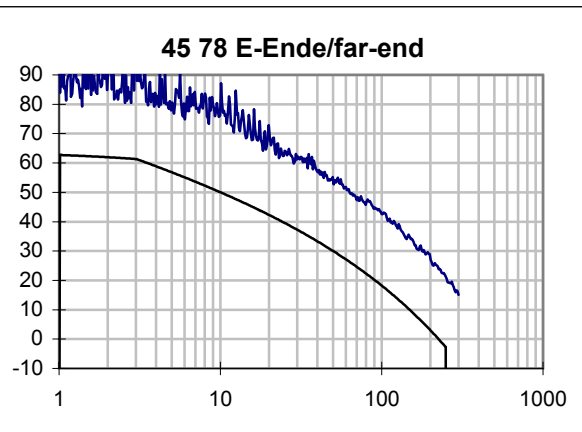
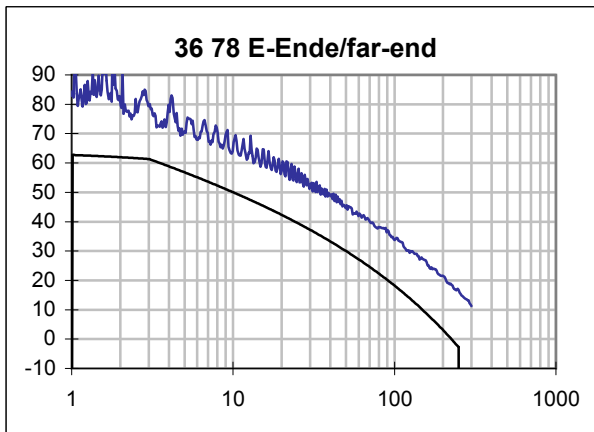
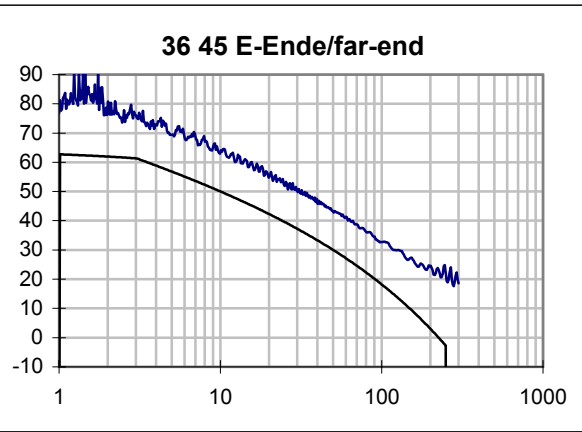
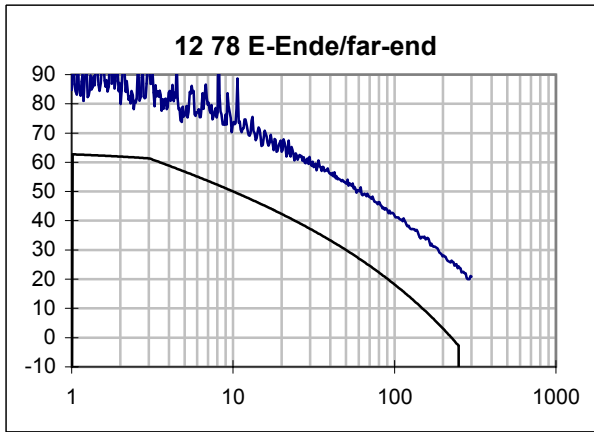
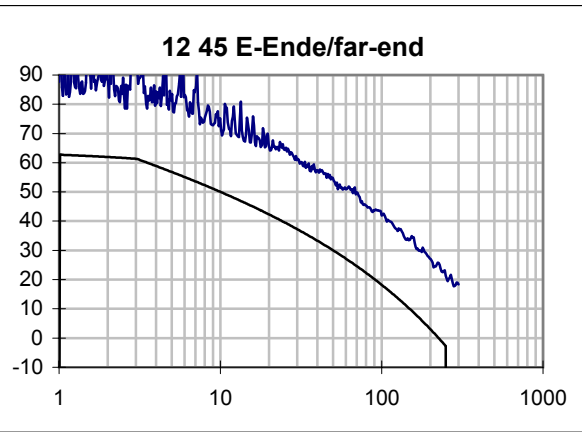
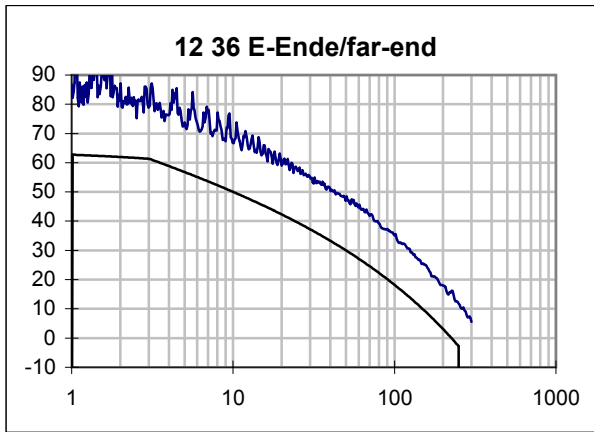


PSELFEXT / dB

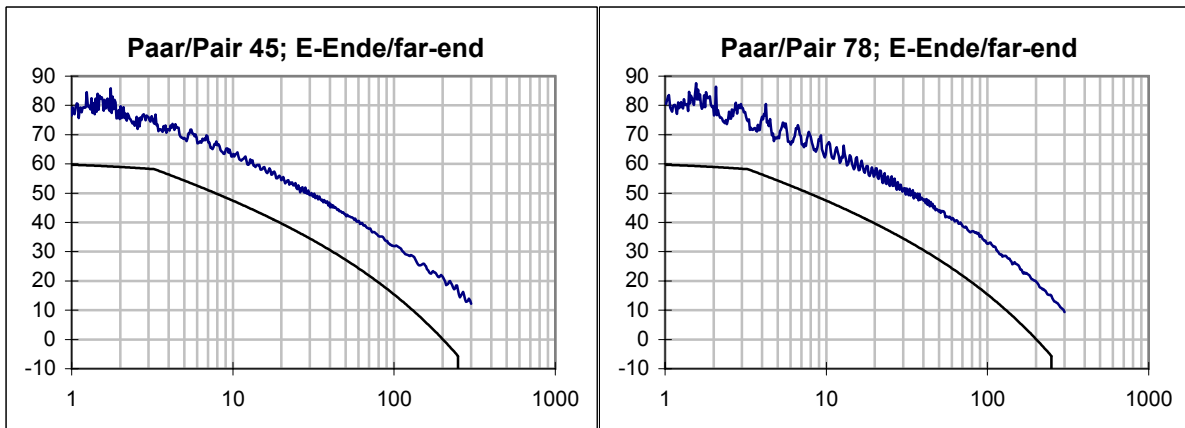
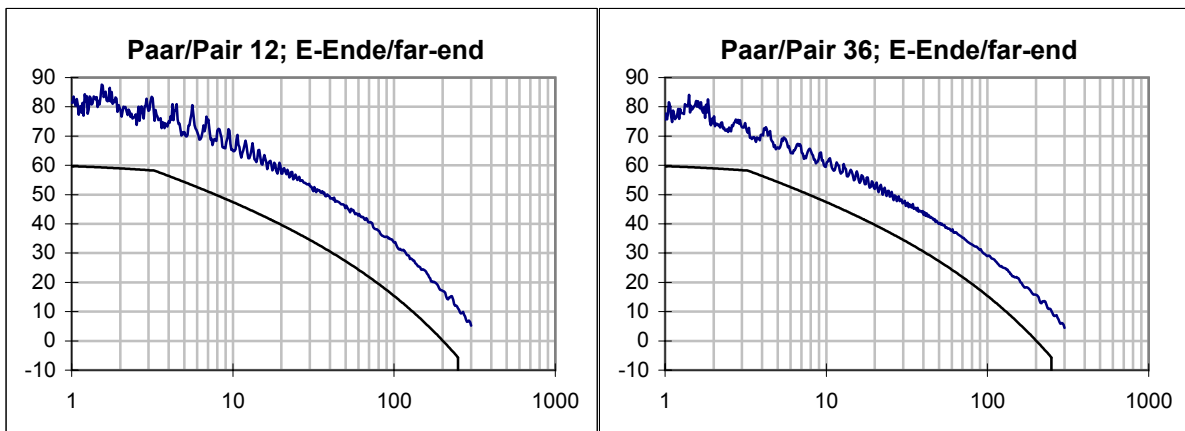
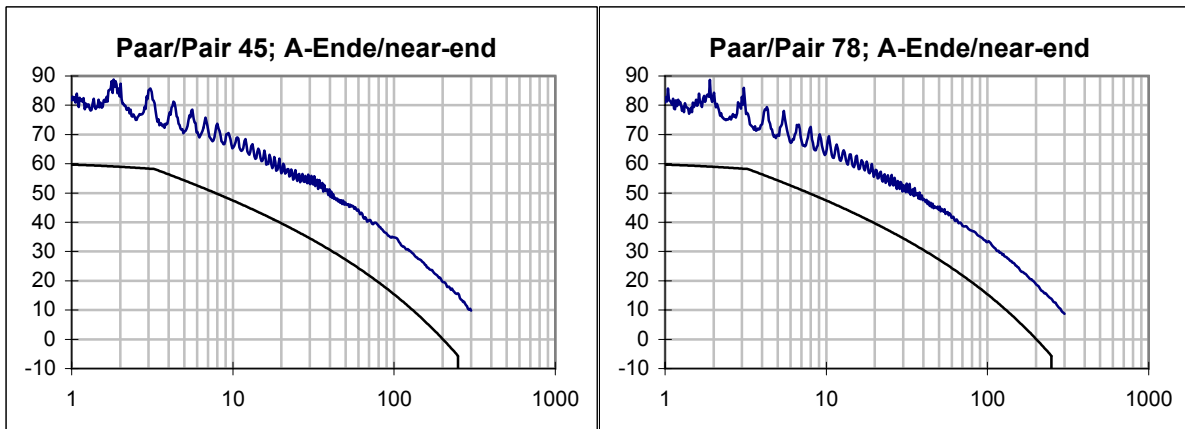
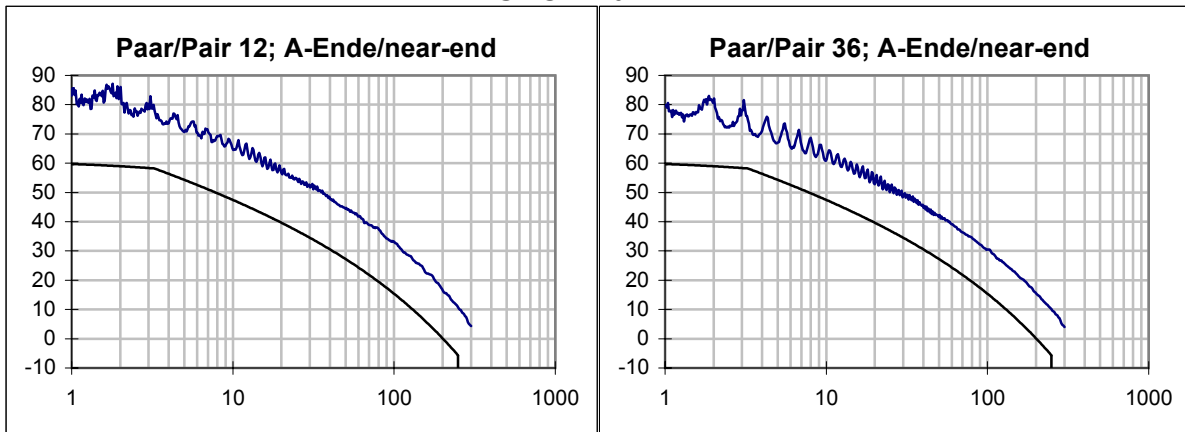


ACR / dB

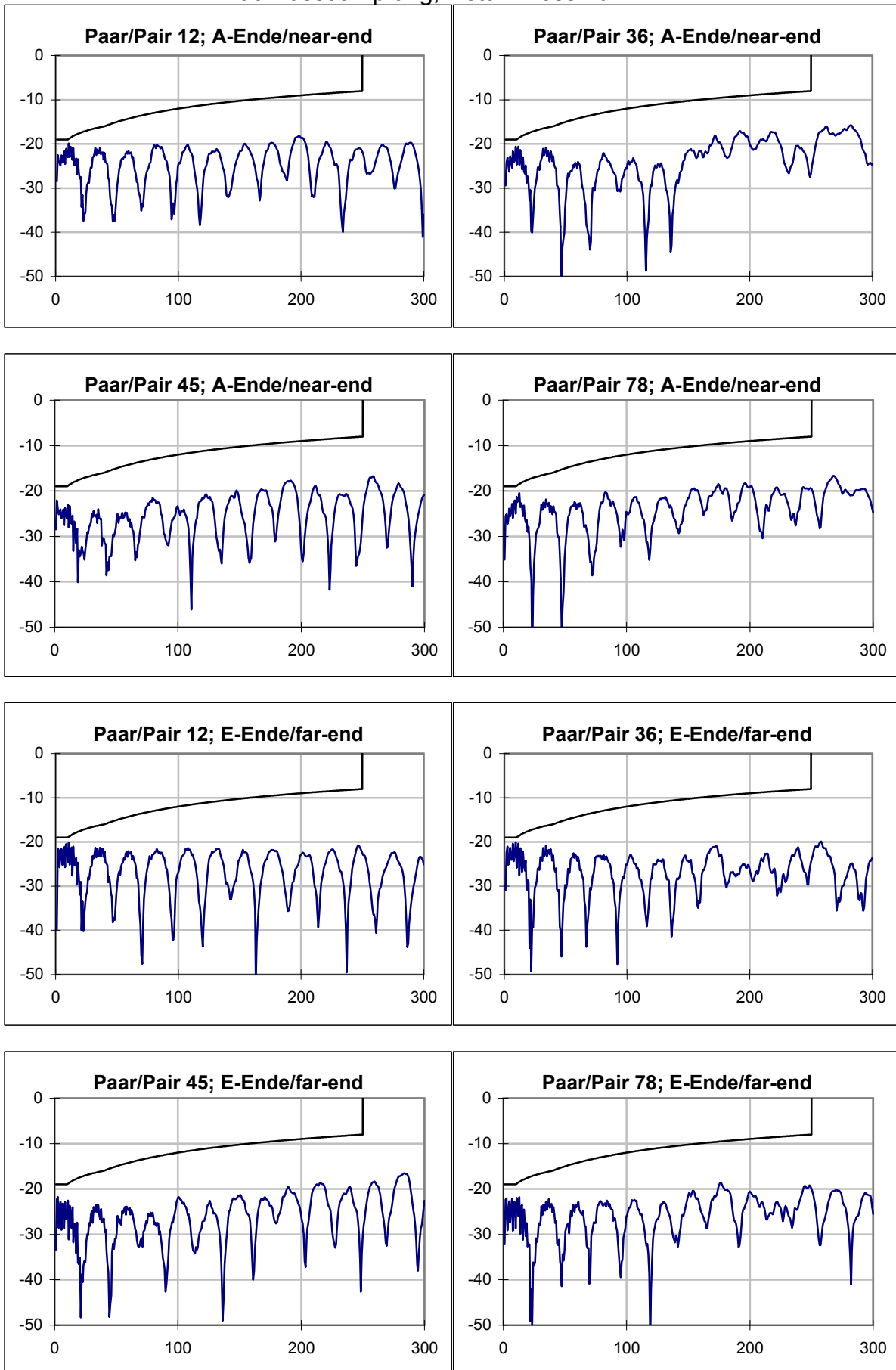




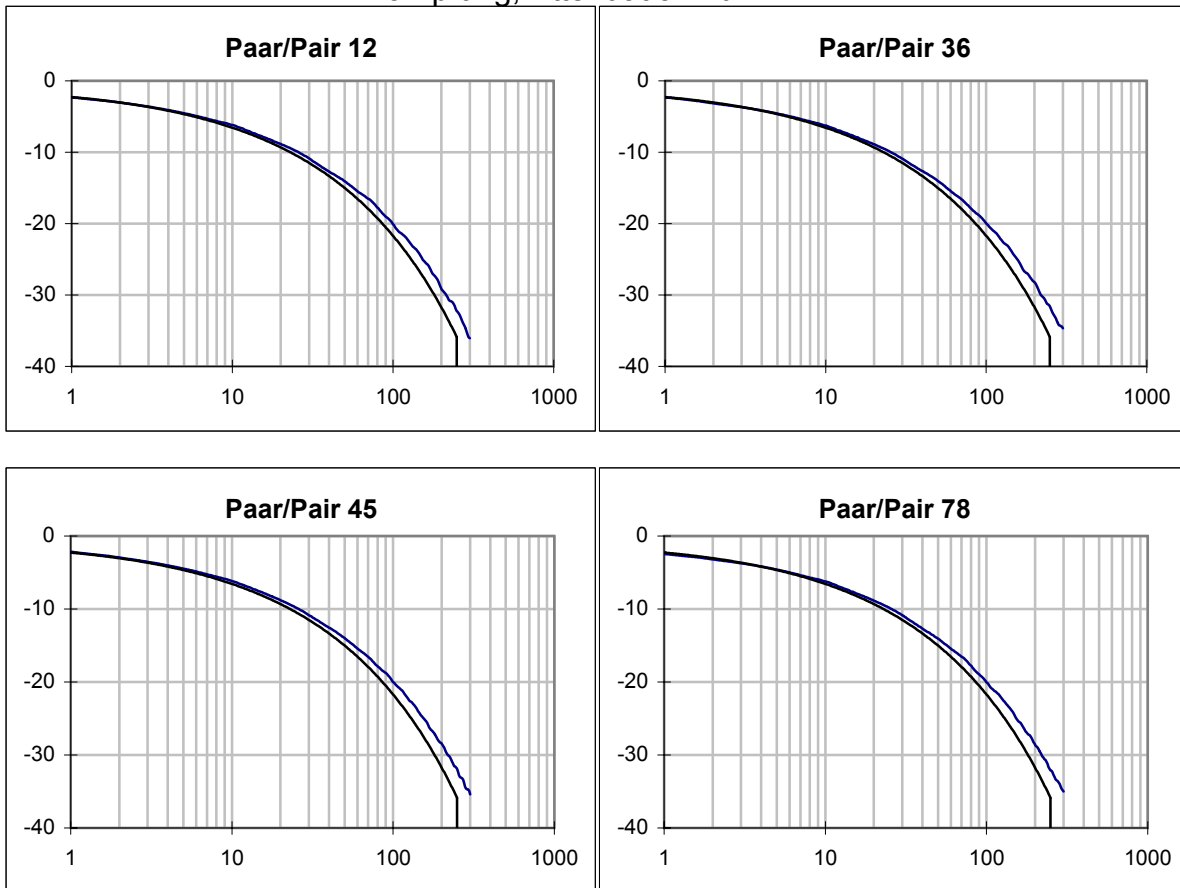
PSACR / dB



Rückflusdämpfung, Return Loss / dB



Dämpfung, Attenuation / dB



Phasen-Laufzeit, Phase-Delay / ns

