

Messprotokoll:
Channel-Messung



Draka Multimedia Cable

Messaufbau:

Patch-Kabel A-Ende: **5 m Krone S-STP Systempatchkabel AWG27 (Krone-Stecker)**
 Komponente A-Ende: **Krone KM8 Anschlussmodul Cat.6 geschirmt**
 Tertiärkabel: **90 m UC400 HS23/1 4P**
 Komponente E-Ende: **Krone KM8 Anschlussmodul Cat.6 geschirmt**
 Patch-Kabel E-Ende: **5 m Krone S-STP Systempatchkabel AWG27 (Krone-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 N780.
 Das ACR wird bis 300 MHz nicht negativ!*

Datum: 11.09.2002
 Prüfer: Dr. C. Pfeiler

Prüflabor: Draka Multimedia Cable
 Wohlaue Str. 15
 90475 Nürnberg

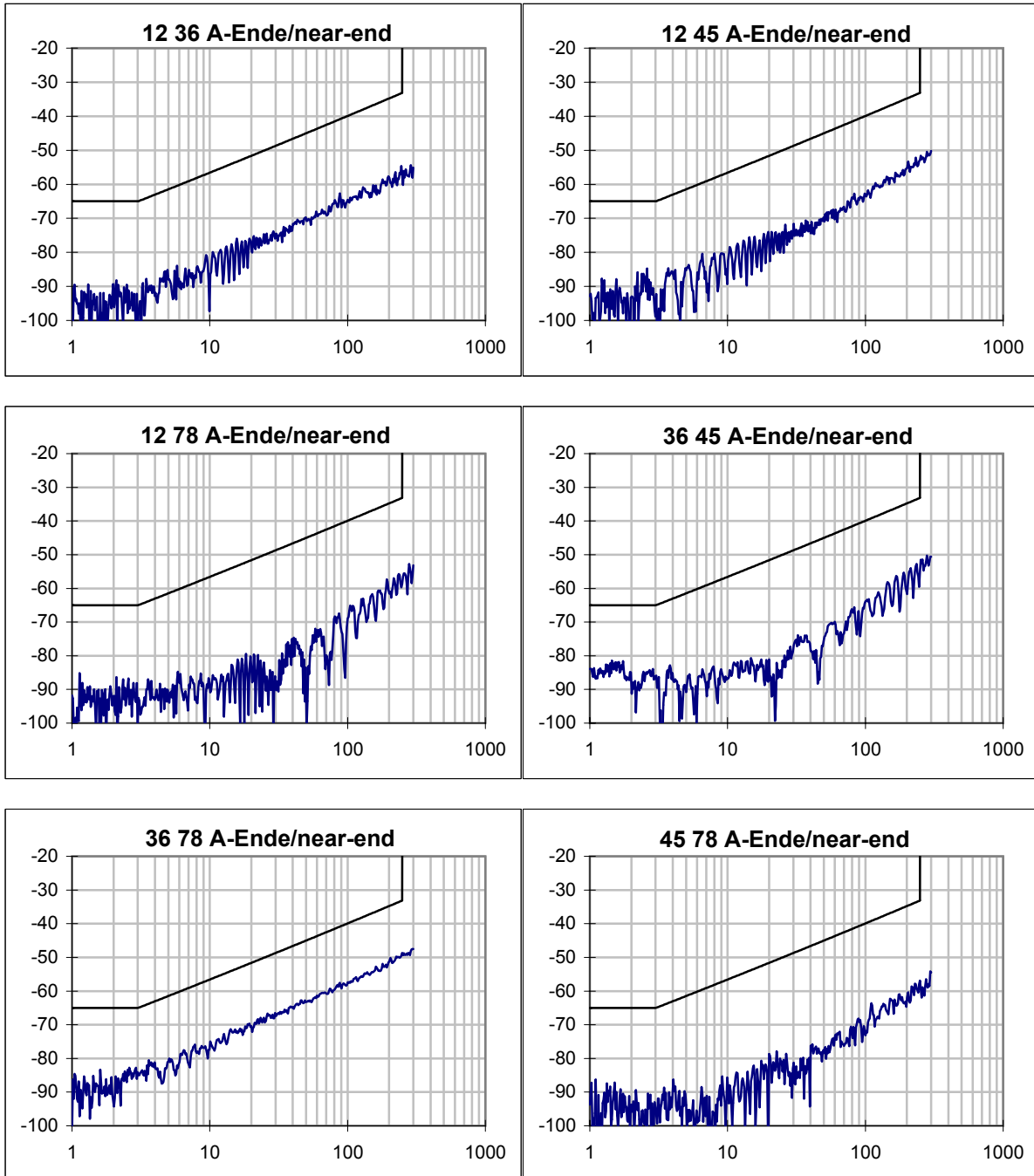
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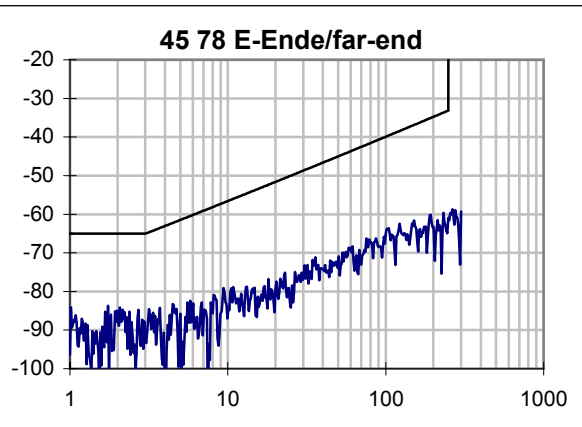
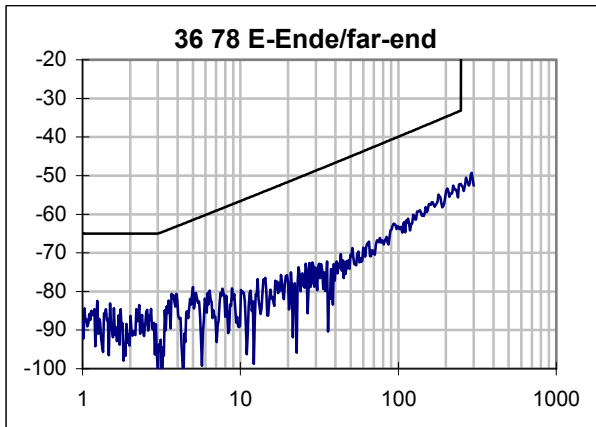
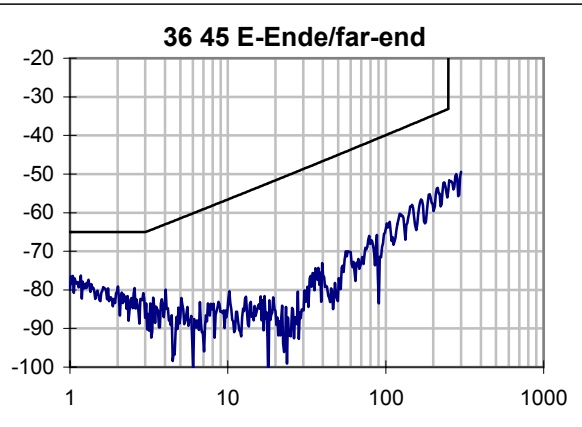
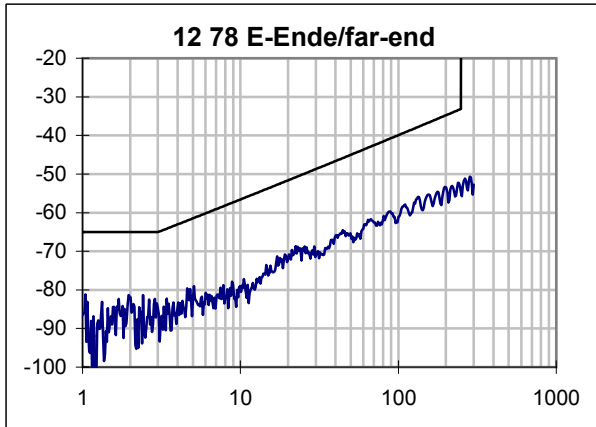
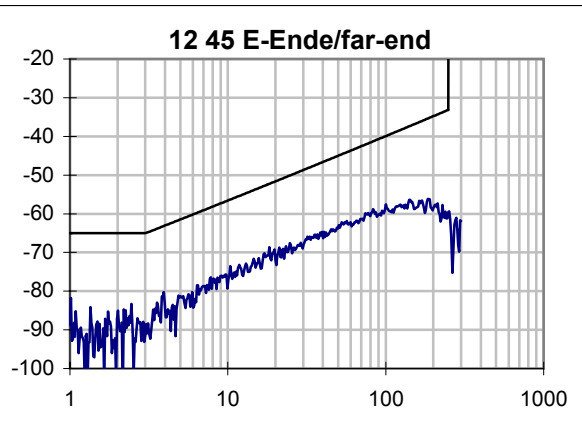
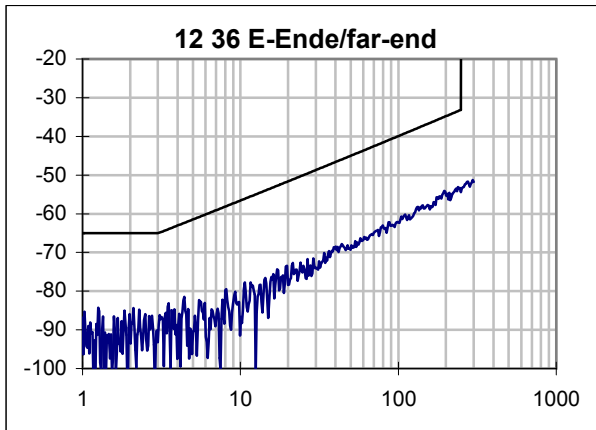
Übersicht Ergebnisse:

Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	452,1	459,1	451,0	453,1		8,0	50
Dämpfung @ 100MHz/dB	19,02	19,51	19,29	18,81	21,7		
Dämpfung @ 250MHz/dB	30,80	31,33	31,38	30,58	35,9		
min PSNEXT-Res. / dB	16,73	13,79	12,89	17,37			
@ f / MHz	17,08	1,17	1,01	2,01			
PSNEXT Gr. / dB	50,12	62,00	62,00	62,00			
PSNEXT @ 100 MHz	56,14	58,54	57,61	59,12	37,1		
PSNEXT @ 250 MHz	50,90	48,75	52,53	49,87	30,2		
min PSELFEXT-Res. / dB	17,70	15,21	15,83	16,89			
@ f / MHz	1,09	1,00	1,03	1,03			
PSELFEXT Gr. / dB	59,51	60,26	60,01	60,01			
PSELFEXT @ 100 MHz	45,25	47,00	44,38	45,16	20,3		
PSELFEXT @ 250 MHz	40,25	37,34	34,52	33,74	12,3		
min PSACR-Reserve / dB	17,6	13,8	12,9	17,5			
@ f / MHz	17,1	1,2	1,0	2,0			
PSACR Grenz. / dB	41,5	59,6	59,7	59,0			
PSACR @ 100 MHz	37,12	39,24	38,48	39,86	15,4		
PSACR @ 250 MHz	20,10	17,55	21,29	18,71	-5,8		
min RL-Reserve / dB	11,2	11,2	11,6	11,8			
@ f / MHz	49,6	57,1	163,2	158,7			
RL Grenzwert / dB	15,0	14,4	9,9	10,0			

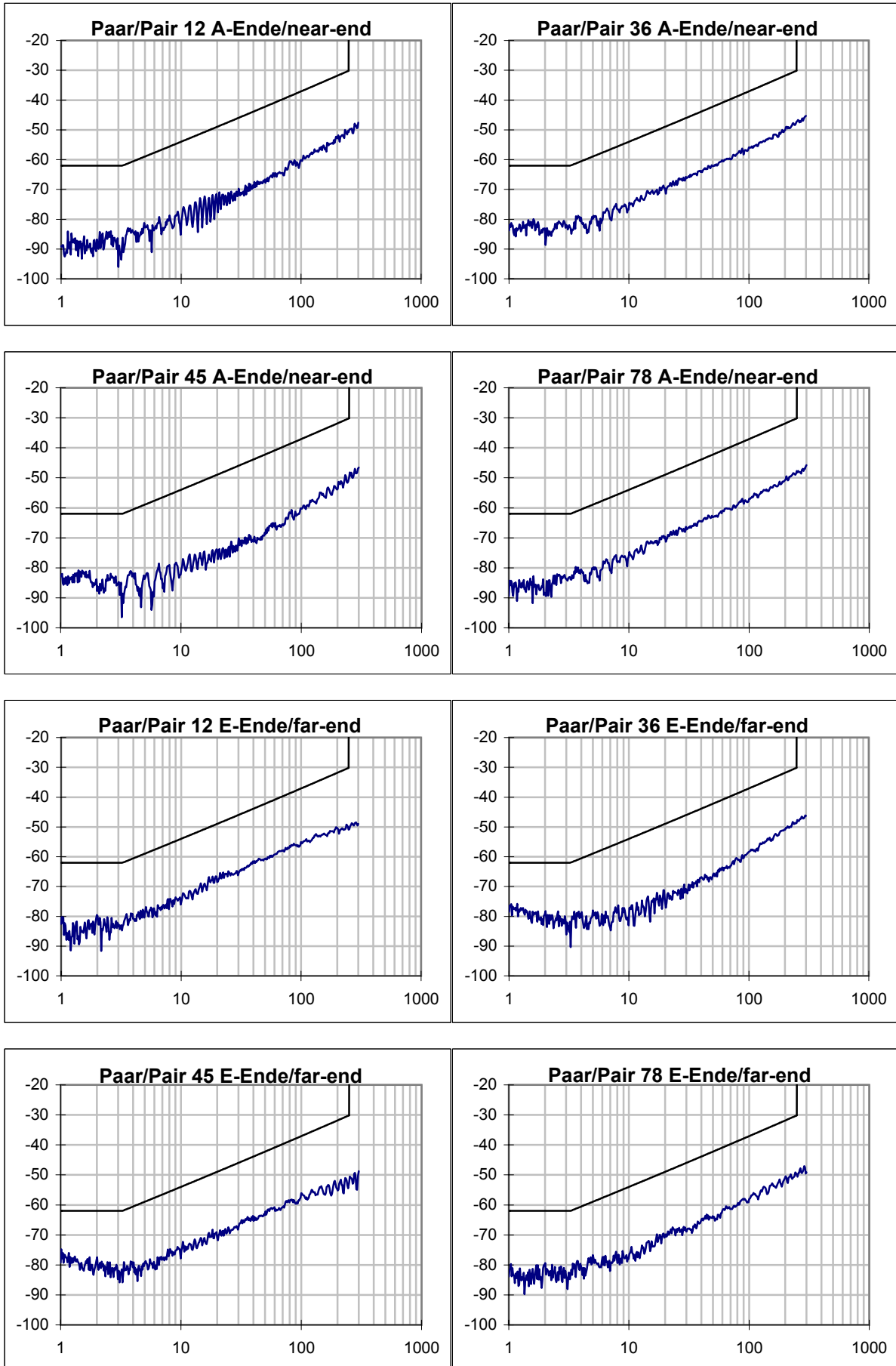
Kombination	12 36	12 45	12 78	36 45	36 78	45 78	Grenzwert
min NEXT-Reserve / dB	19,10	16,43	16,15	11,30	15,52	18,72	
@ f / MHz	4,41	18,34	1,04	1,17	249,24	1,74	
NEXT Grenzw. /dB	62,36	52,25	65,00	65,00	33,14	65,00	
NEXT @ 100 MHz	62,14	58,99	62,52	65,28	63,07	67,62	39,9
NEXT @ 250 MHz	54,44	59,56	54,66	54,34	52,17	60,95	33,1
min ELFEXT-Res. / dB	15,3	23,4	19,5	14,7	20,4	15,2	
@ f / MHz	1,1	192,8	1,0	1,0	222,4	1,0	
ELFEXT Grw. /dB	62,51	17,55	62,89	63,26	16,32	63,01	
ELFEXT @ 100 MHz	47,40	50,17	56,87	69,52	57,83	45,72	23,3
ELFEXT @ 250 MHz	40,45	68,73	54,06	48,36	40,98	34,71	15,3
min ACR-Reserve/ dB	19,4	16,9	16,3	11,3	17,0	18,8	
@ f / MHz	1,3	1,0	1,0	1,2	3,6	1,7	
ACR Grenzw. /dB	62,5	62,7	62,7	62,6	59,8	62,1	
ACR @ 100 MHz	43,12	39,97	43,50	45,77	43,57	48,32	18,2
ACR @ 250 MHz	23,64	28,76	23,86	23,01	20,83	29,57	-2,8

NEXT / dB

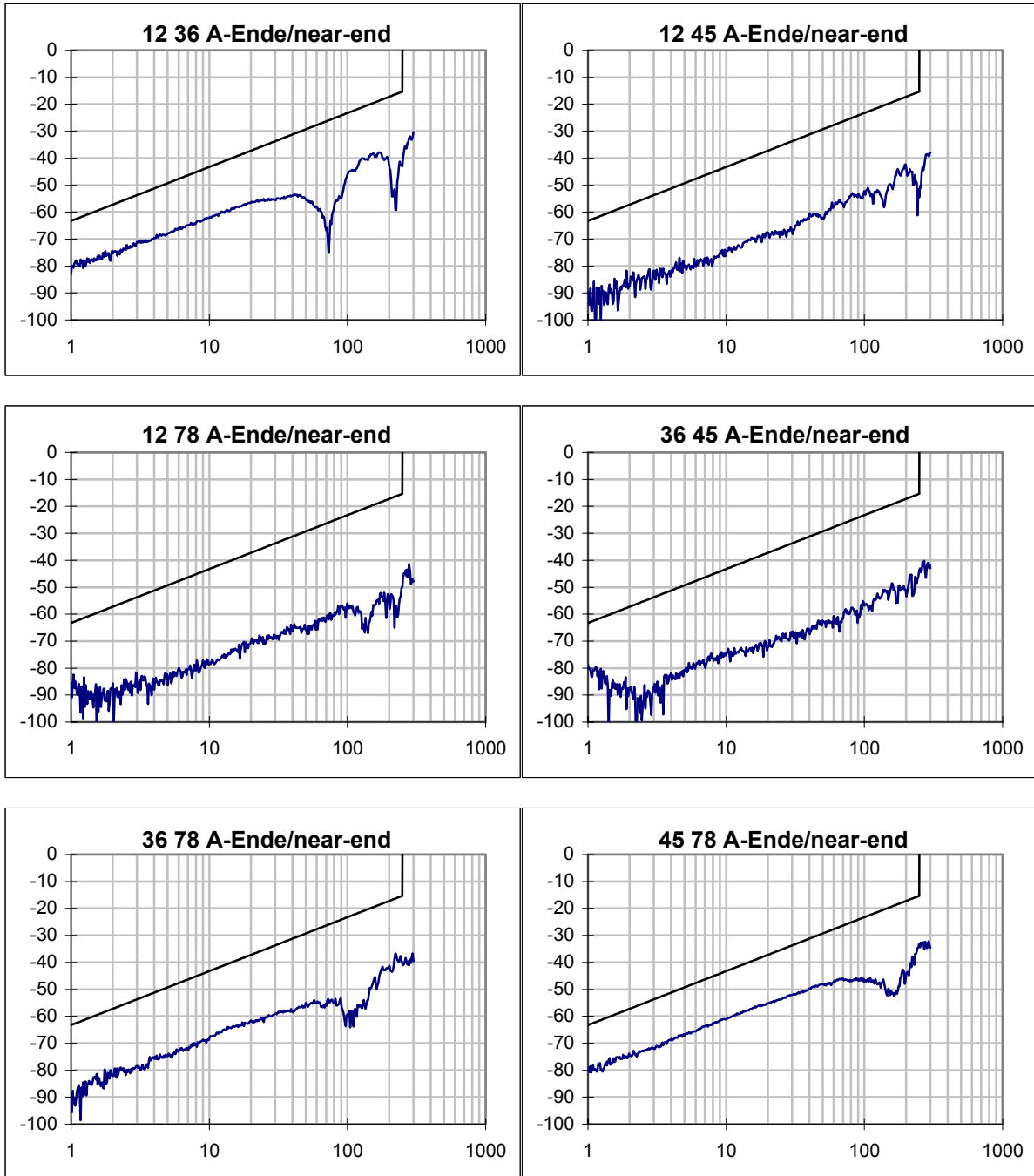


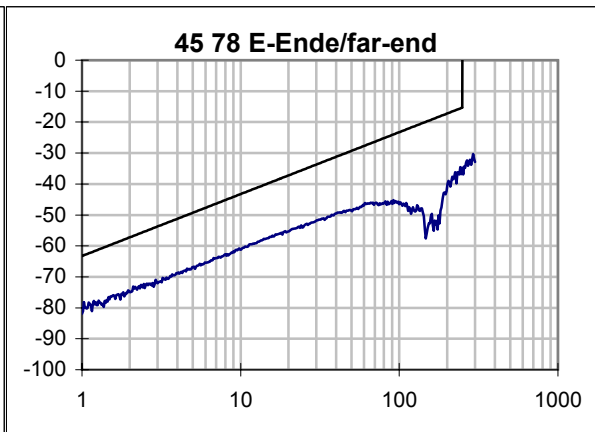
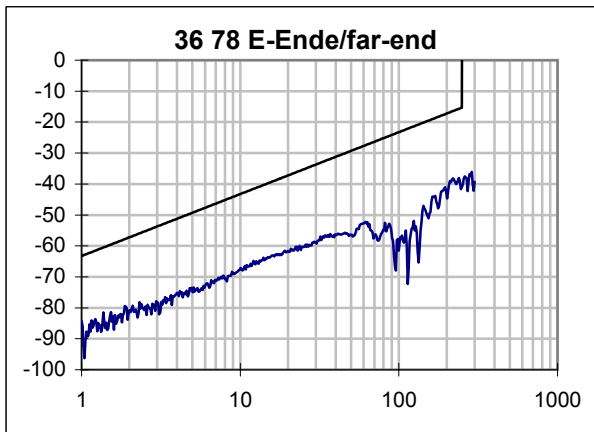
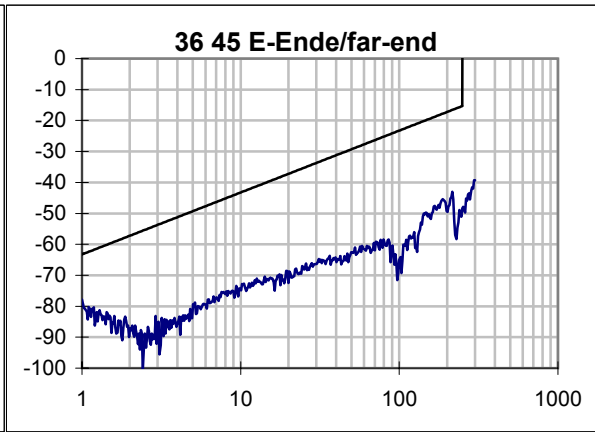
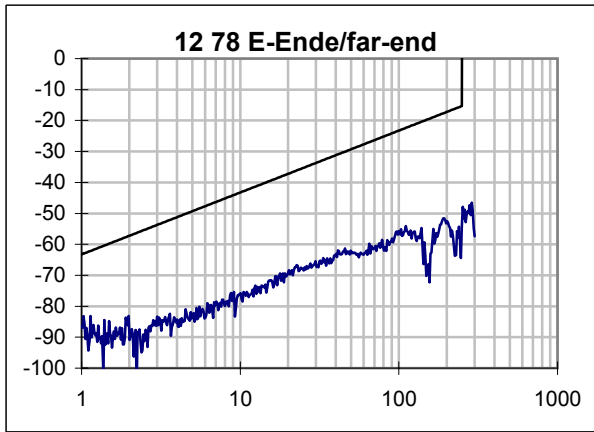
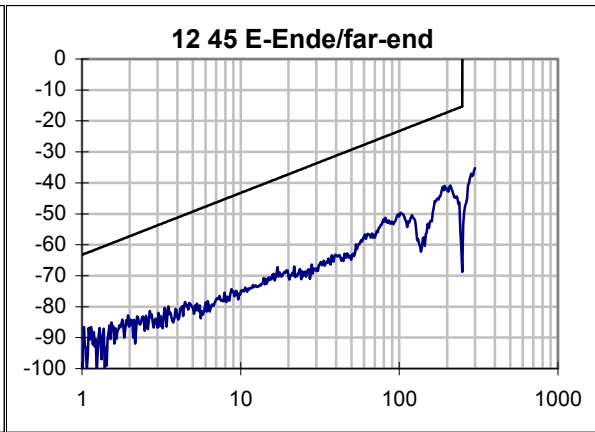
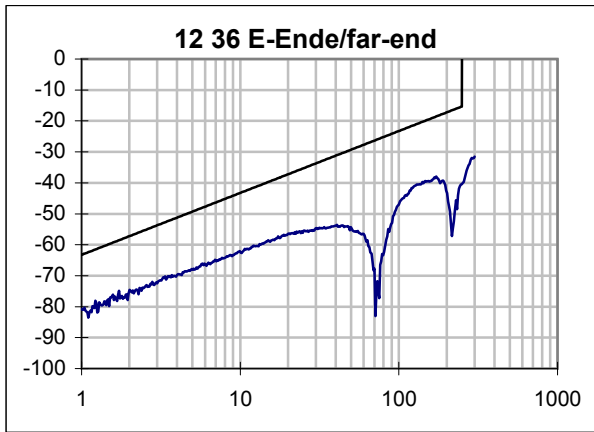


PSNEXT / dB

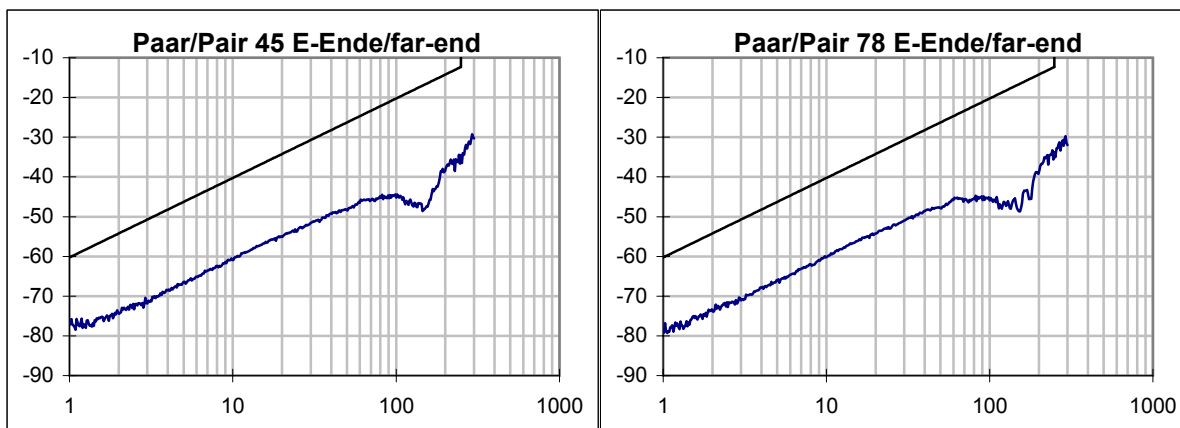
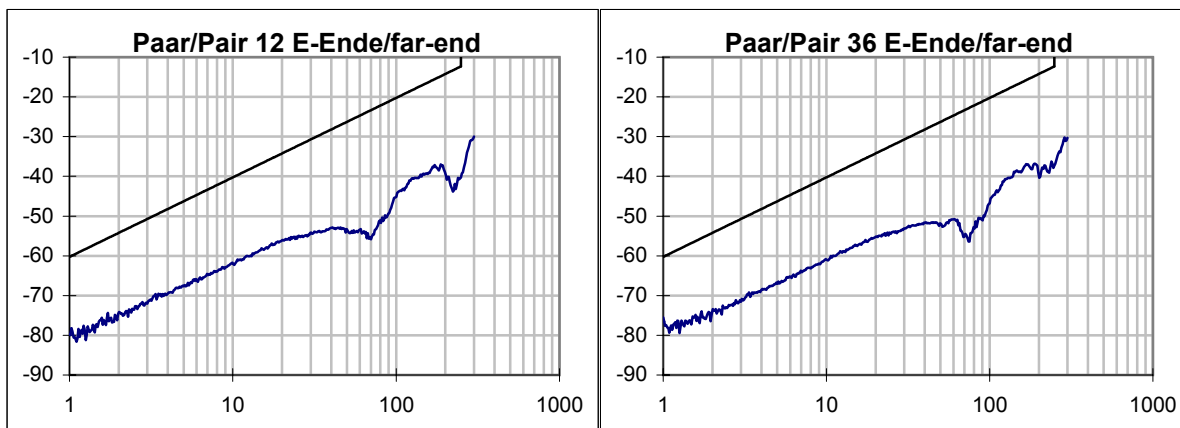
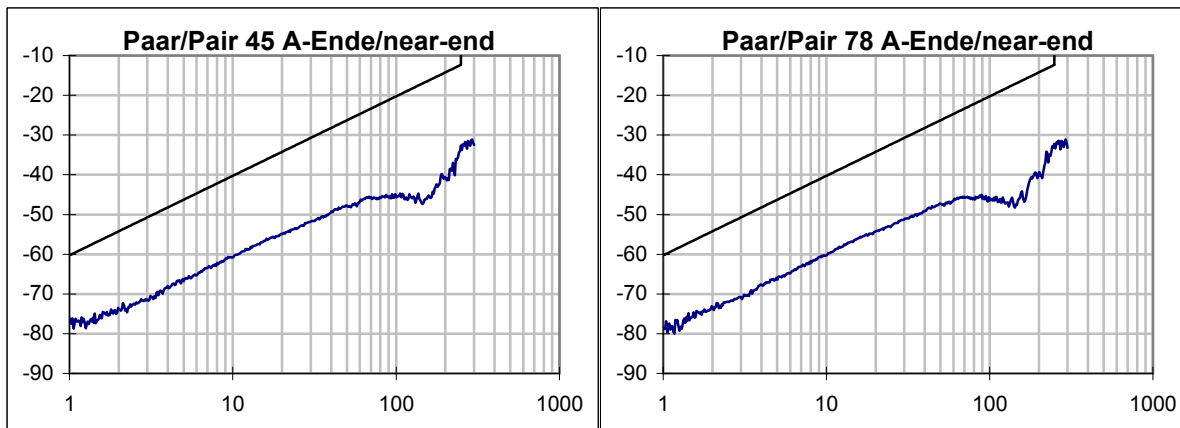
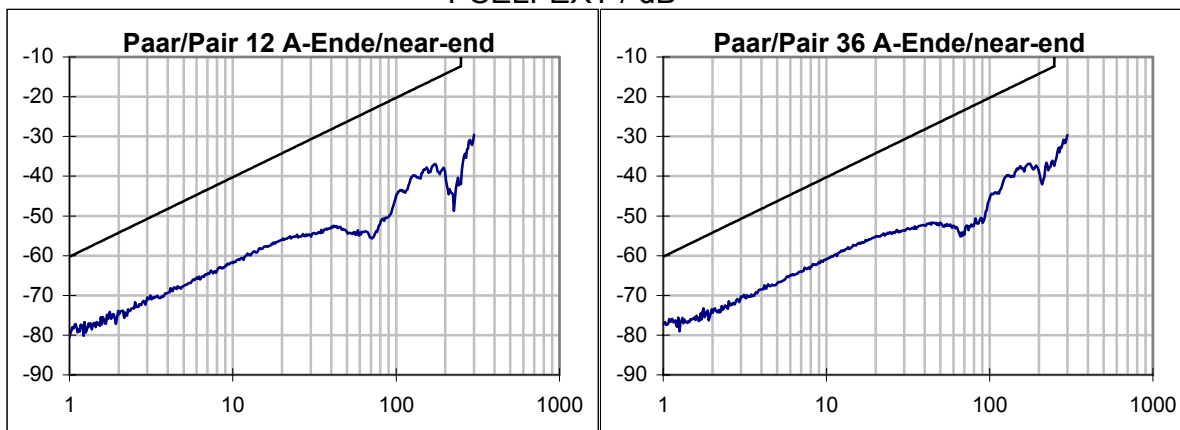


ELFEXT / dB

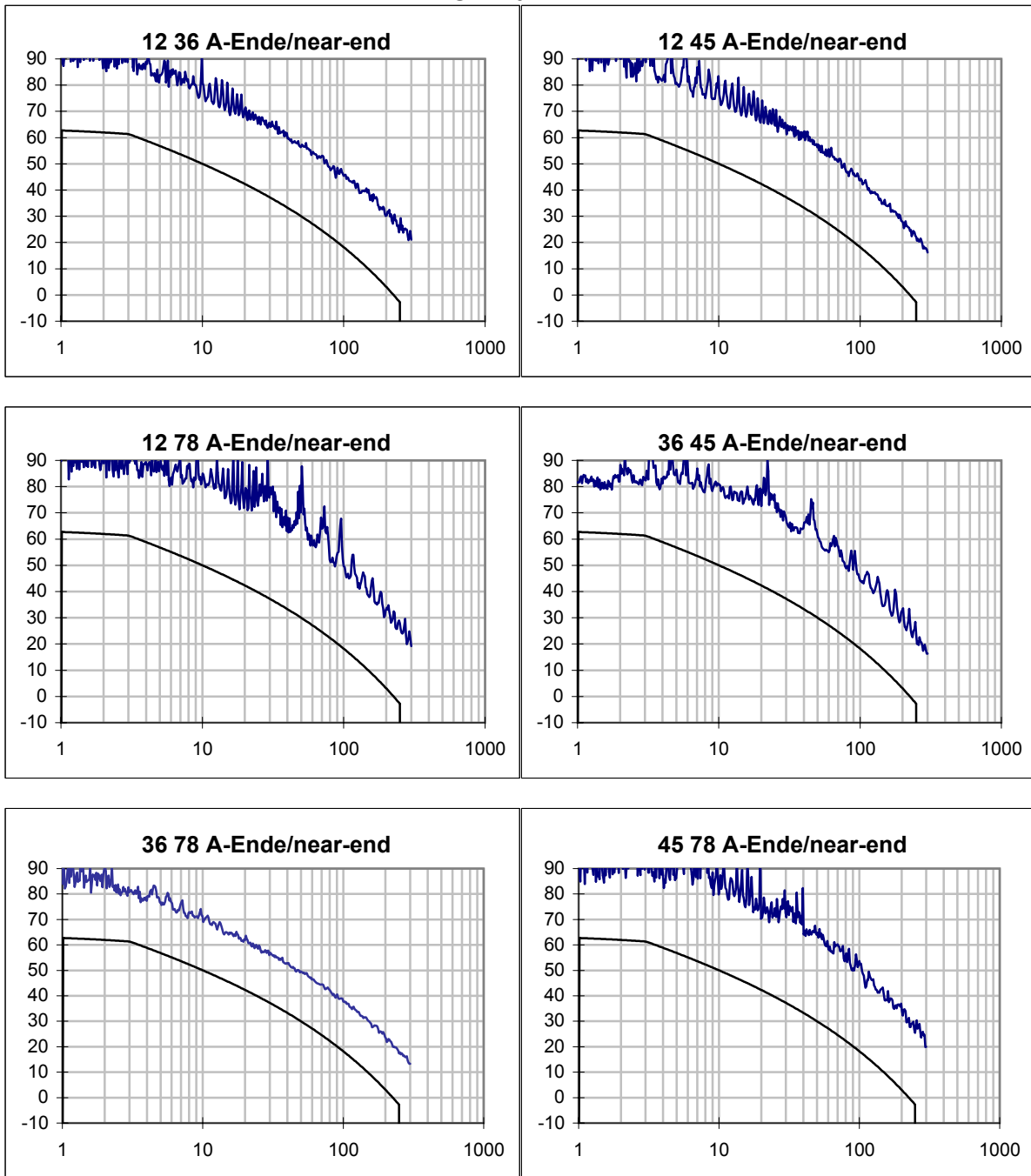


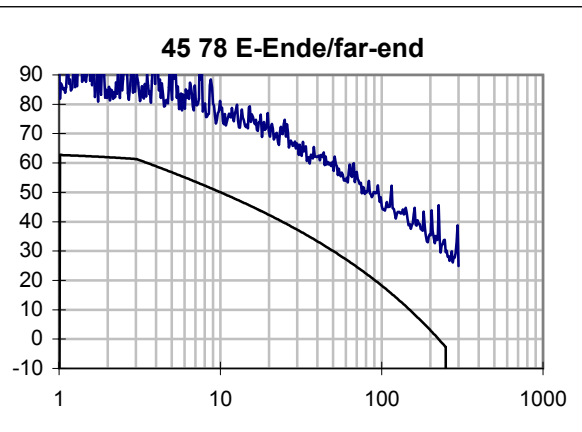
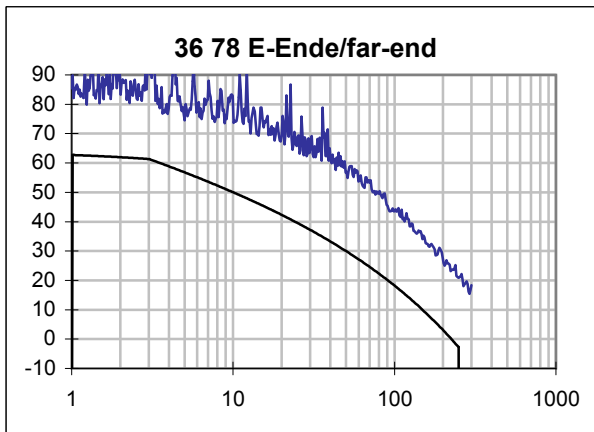
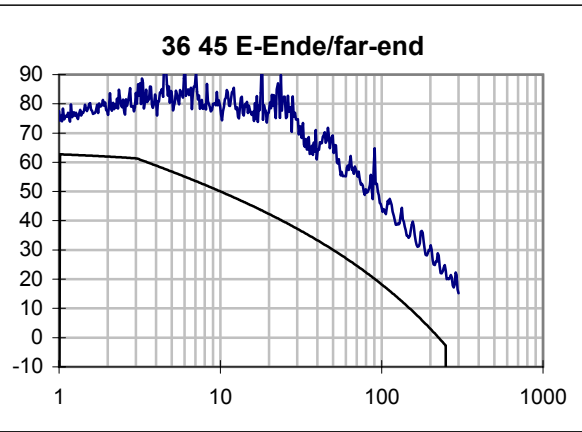
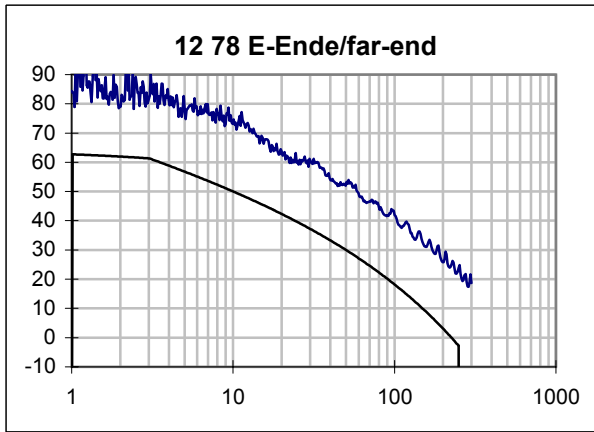
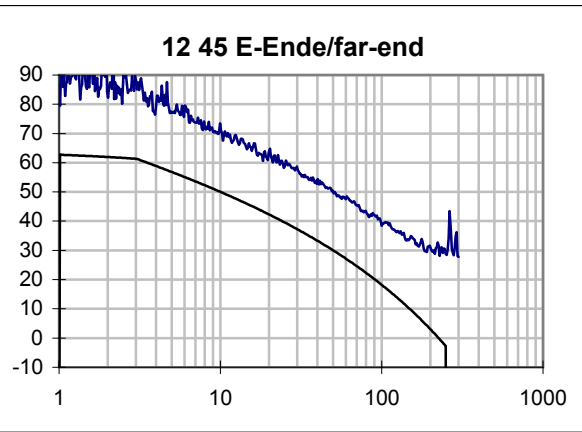
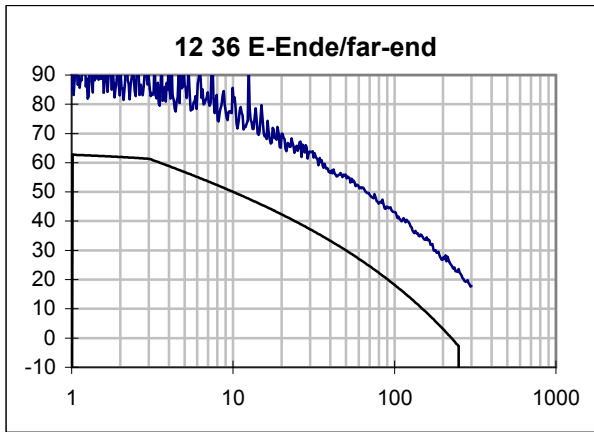


PSELFEXT / dB

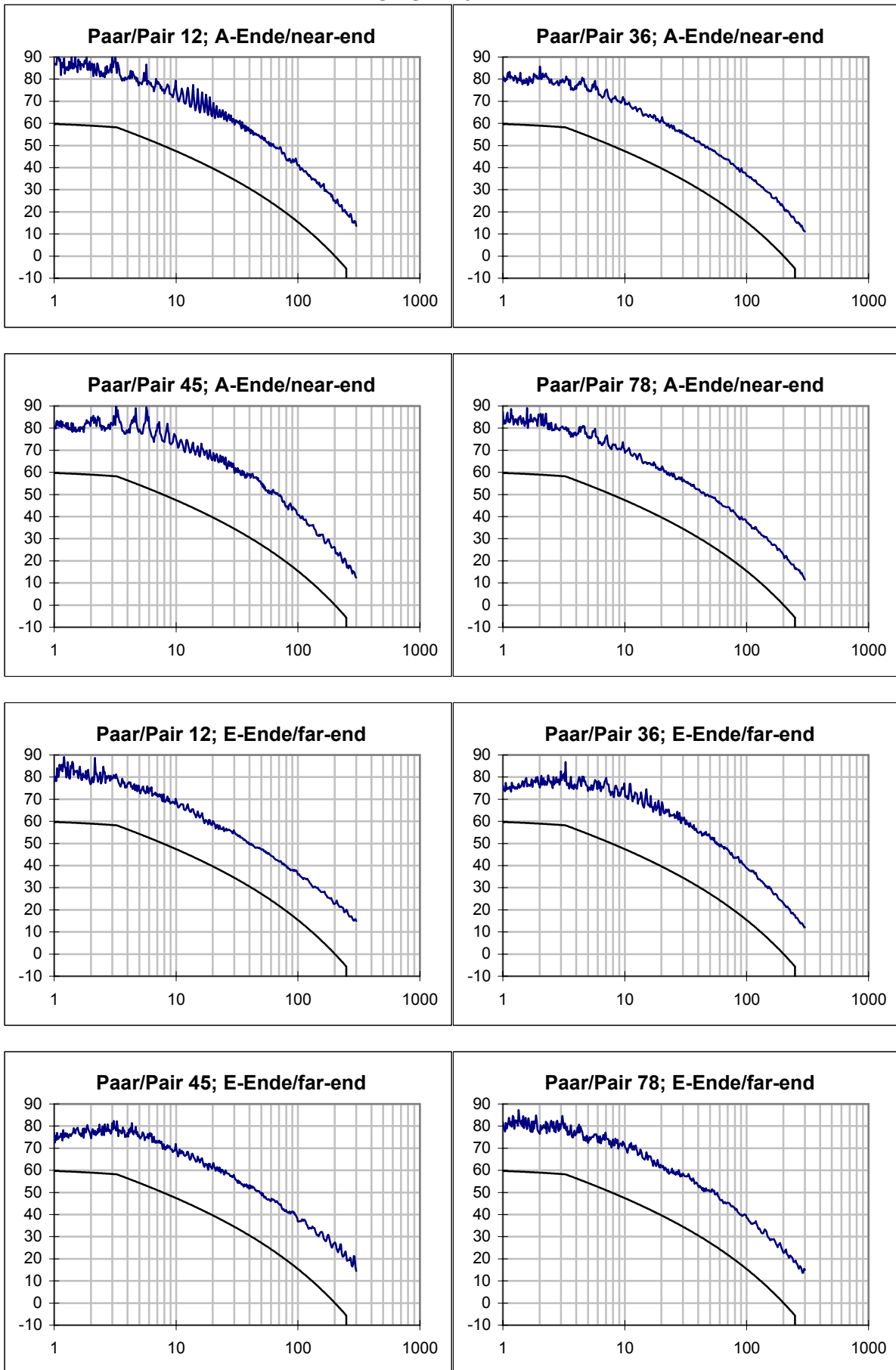


ACR / dB

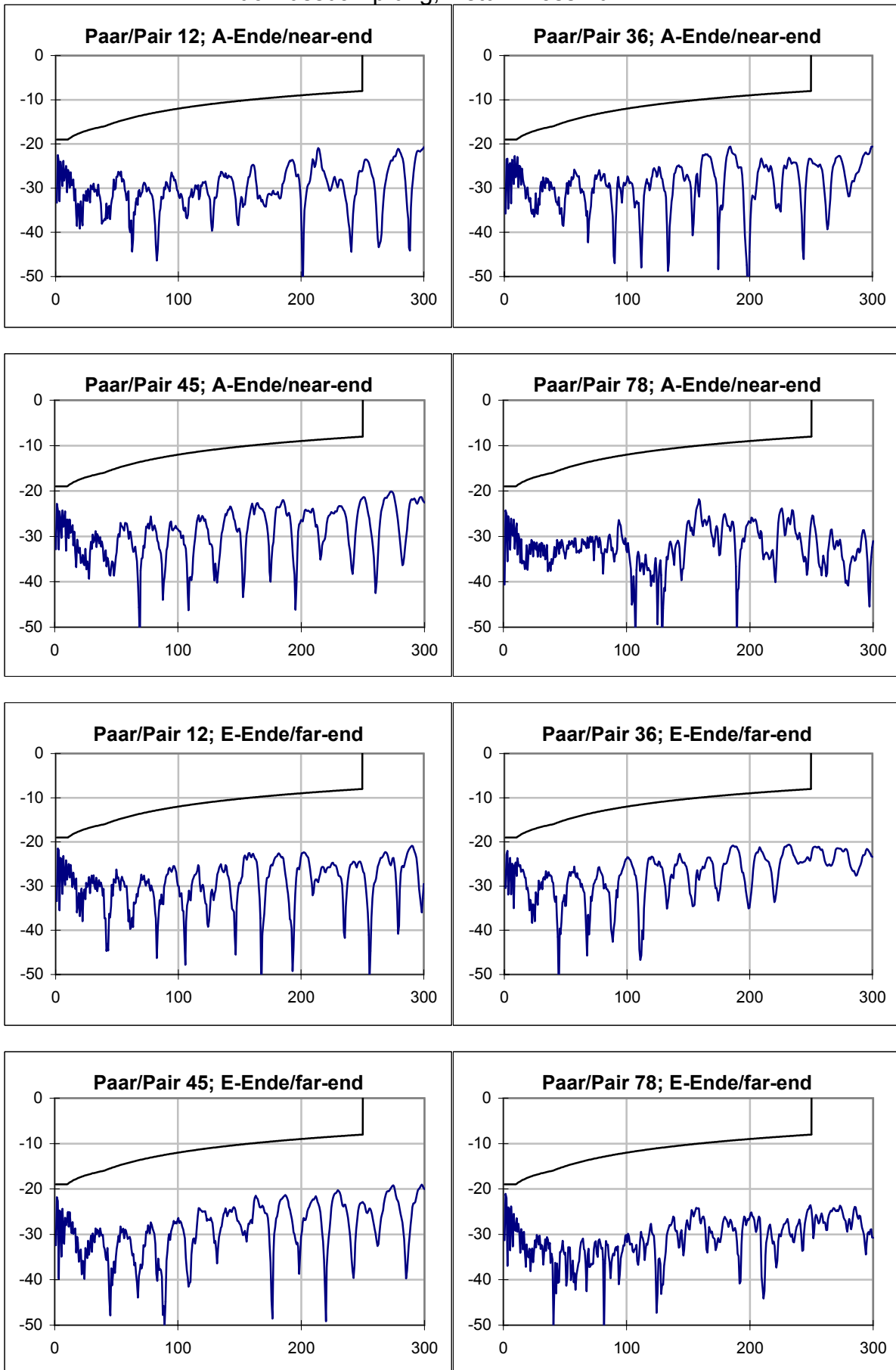




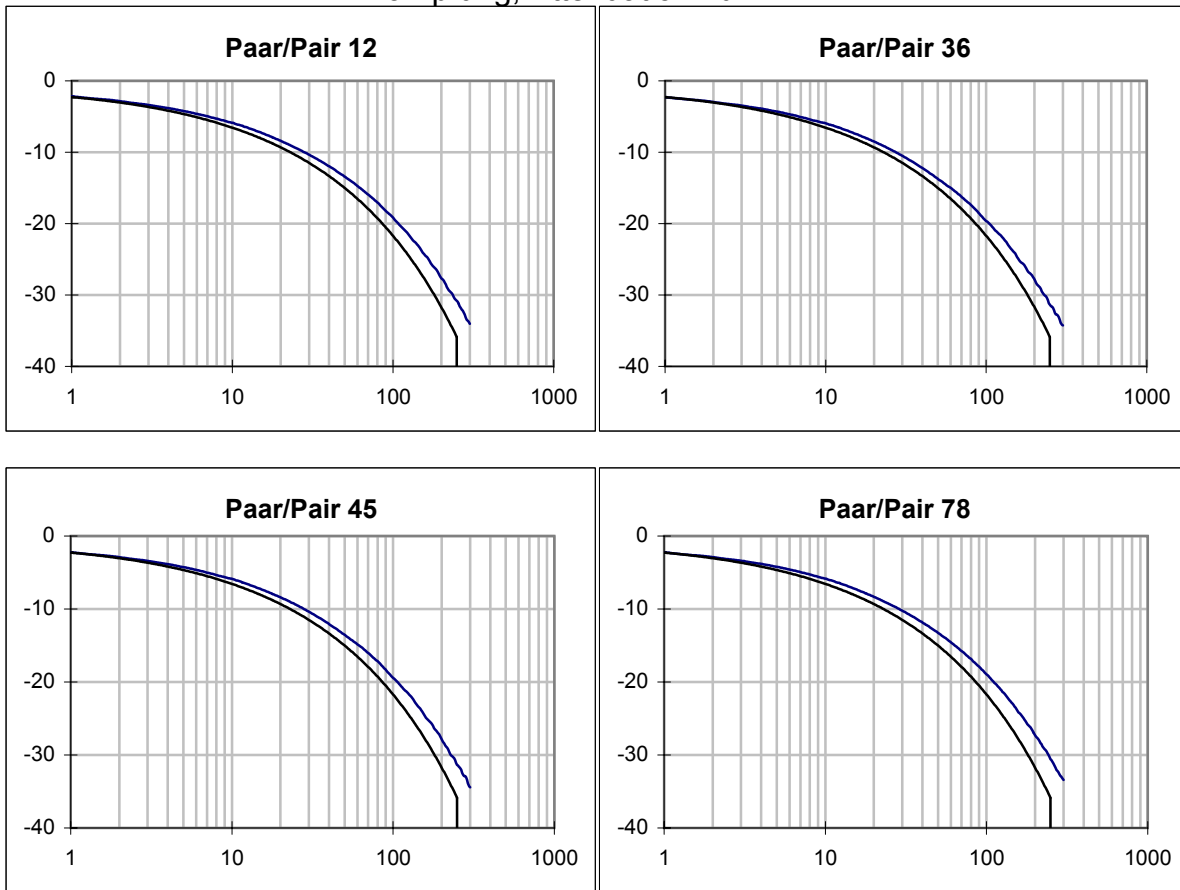
PSACR / dB



Rückflusdämpfung, Return Loss / dB



Dämpfung, Attenuation / dB



Phasen-Laufzeit, Phase-Delay / ns

