

Messprotokoll:
Channel-Messung



Draka Multimedia Cable

Messaufbau:


Patch-Kabel A-Ende: **5 m UC600 SS27 4P (AMP-Stecker)**
 Komponente A-Ende: **AMP ACO+ ISO-Cat.6 Modul**
 Tertiärkabel: **90 m UC400 SS23/1 4P**
 Komponente E-Ende: **AMP ACO+ ISO-Cat.6 Modul**
 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: 14.05.2002
 Prüfer: Dr. C. Pfeiler

Prüflabor: Draka Multimedia Cable
 Wohlaue Str. 15
 90475 Nürnberg

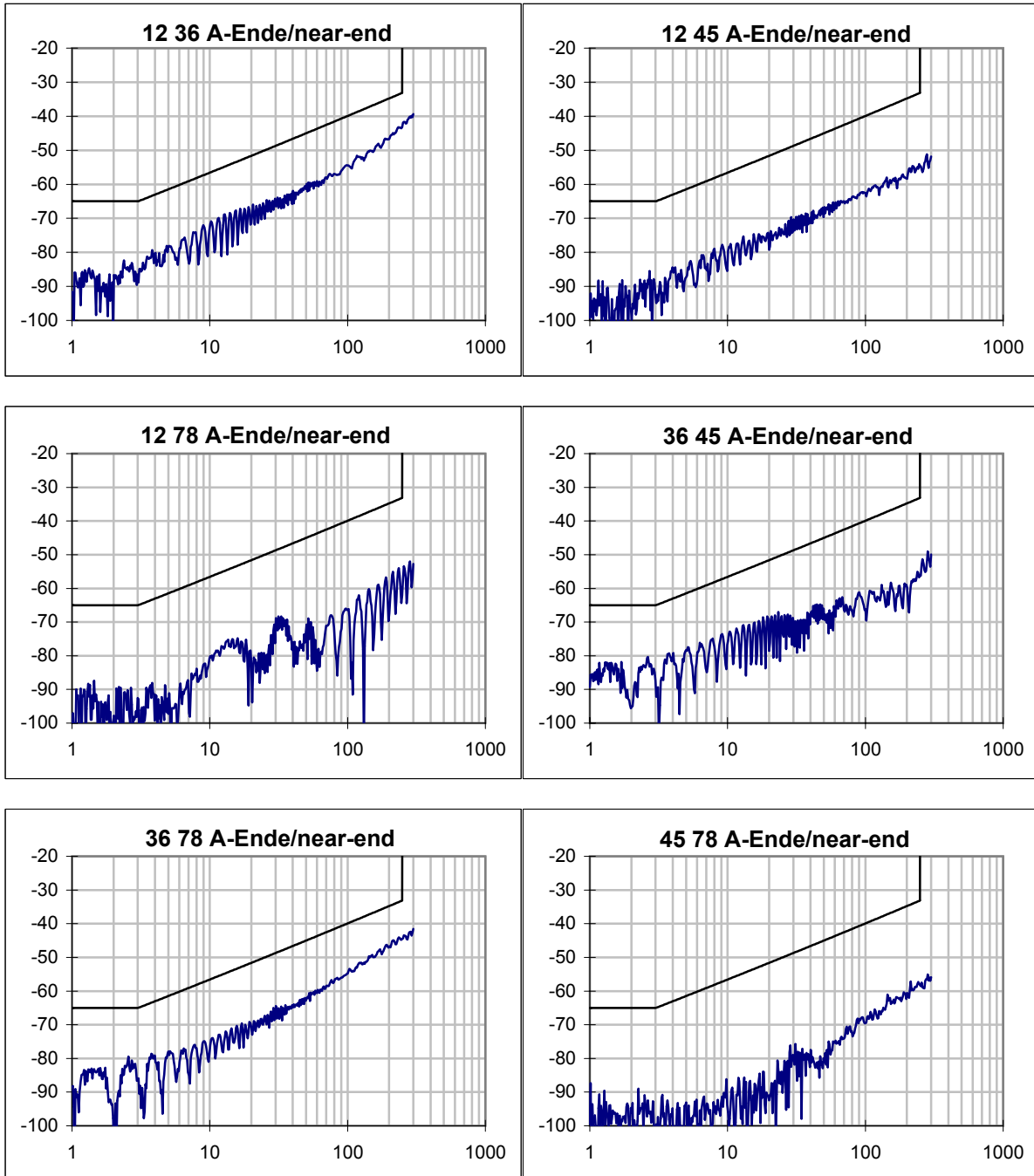
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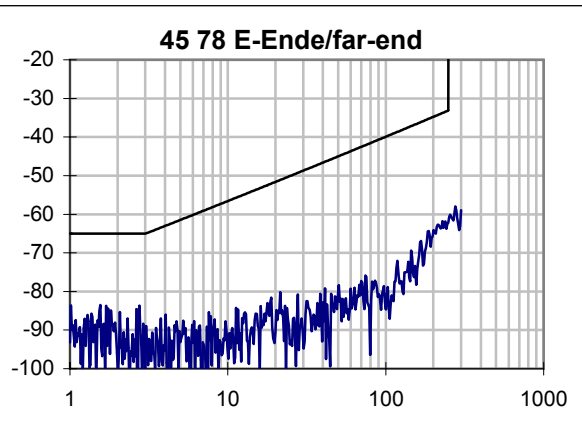
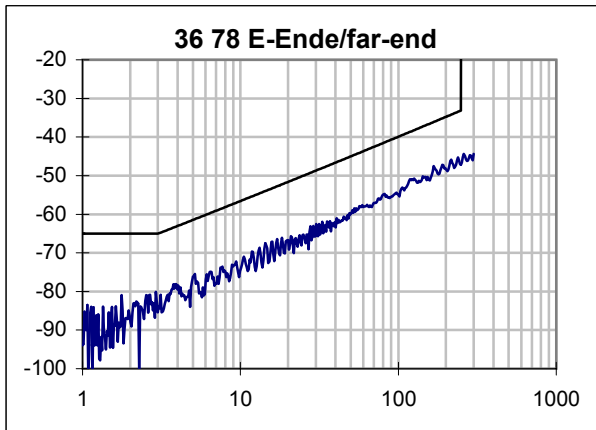
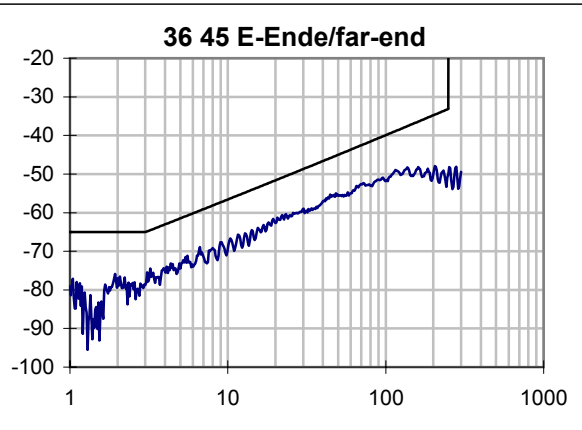
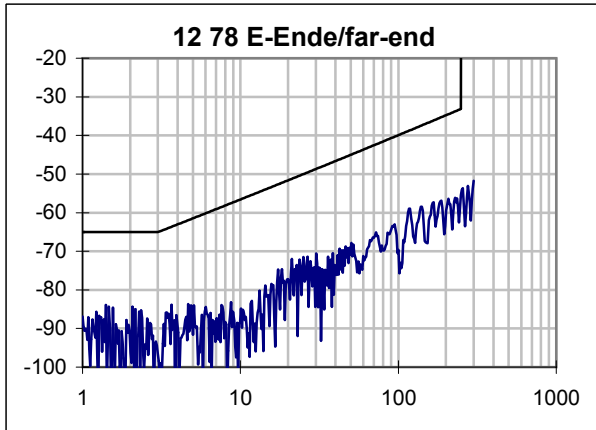
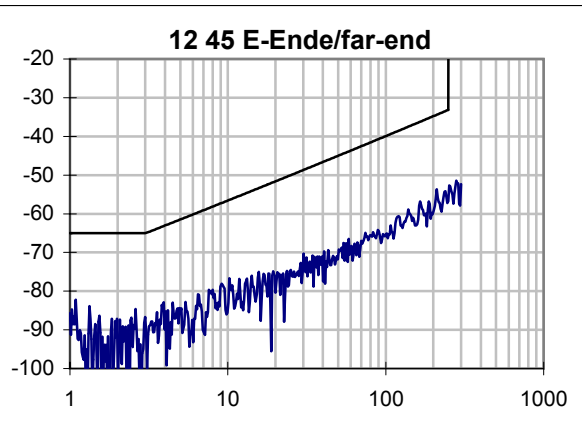
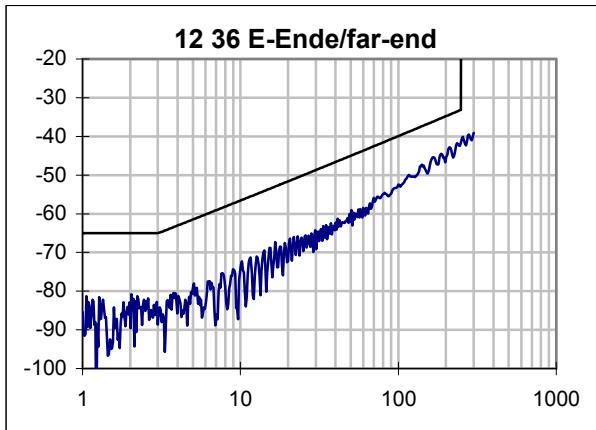
Übersicht Ergebnisse:

Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	451,1	464,1	451,1	454,2		13,2	50
Dämpfung @ 100MHz/dB	19,54	19,90	19,42	19,71	21,7		
Dämpfung @ 250MHz/dB	32,40	32,40	31,53	32,22	35,9		
min PSNEXT-Res. / dB	10,76	9,27	11,85	12,94			
@ f / MHz	235,42	164,82	6,66	213,06			
PSNEXT Gr. / dB	30,61	33,32	56,91	31,37			
PSNEXT @ 100 MHz	52,75	48,24	51,55	54,70	37,1		
PSNEXT @ 250 MHz	41,30	40,08	49,02	46,46	30,2		
min PSELFEXT-Res. / dB	18,53	13,78	13,35	20,28			
@ f / MHz	1,12	1,09	1,19	1,07			
PSELFEXT Gr. / dB	59,27	59,51	58,77	59,64			
PSELFEXT @ 100 MHz	45,36	38,18	39,15	45,59	20,3		
PSELFEXT @ 250 MHz	45,18	29,37	29,15	41,02	12,3		
min PSACR-Reserve / dB	14,3	11,1	12,0	16,1			
@ f / MHz	164,8	20,6	6,7	14,4			
PSACR Grenz. / dB	4,8	39,3	51,5	43,5			
PSACR @ 100 MHz	33,21	28,46	31,66	34,81	15,4		
PSACR @ 250 MHz	8,90	7,68	16,65	14,08	-5,8		
min RL-Reserve / dB	4,4	4,2	7,4	5,0			
@ f / MHz	36,1	37,6	37,6	36,9			
RL Grenzwert / dB	16,2	16,1	16,1	16,2			

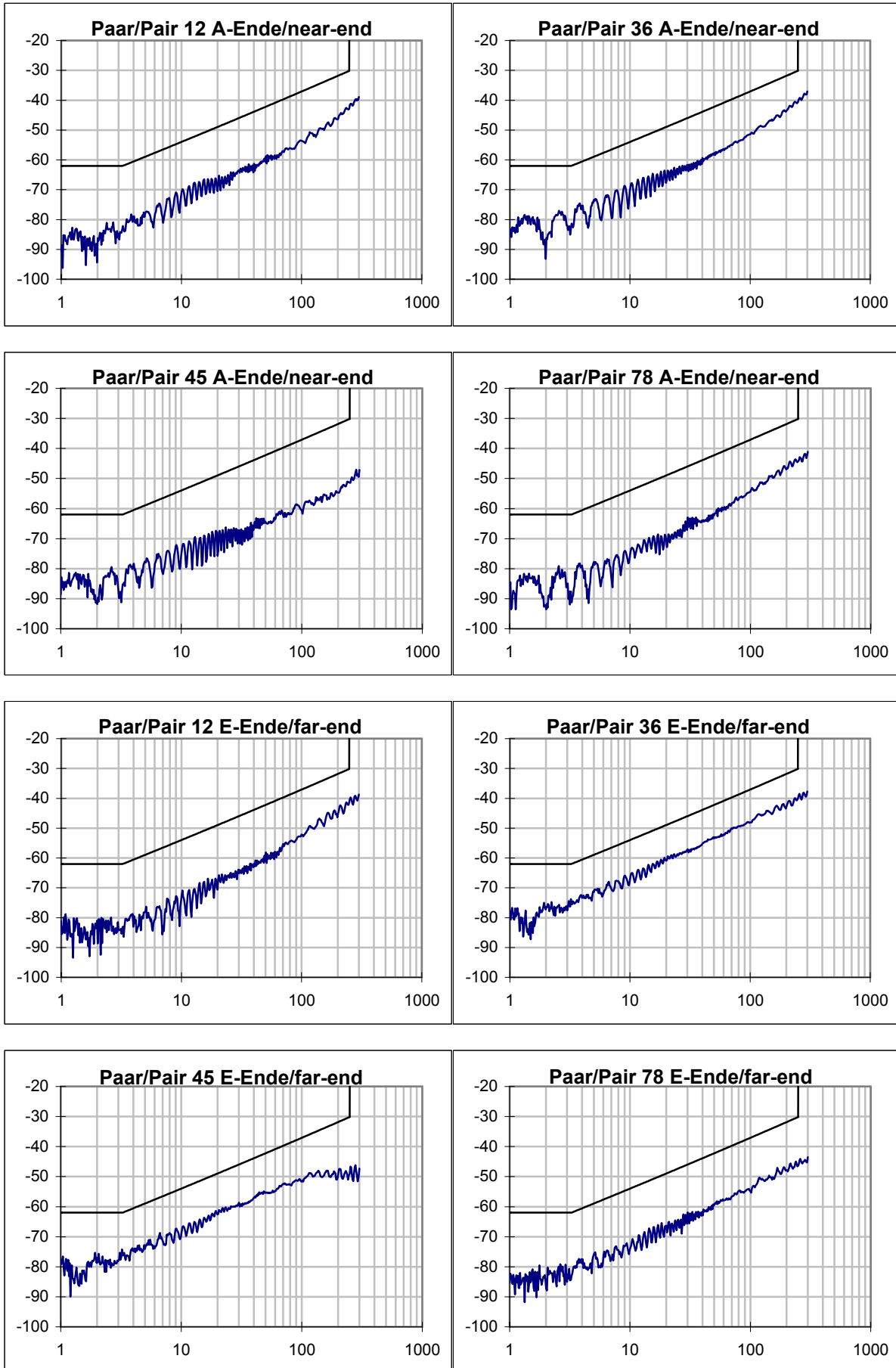
Kombination	12 36	12 45	12 78	36 45	36 78	45 78	Grenzwert
min NEXT-Reserve / dB	8,18	17,23	18,94	9,42	10,58	18,52	
@ f / MHz	235,42	1,09	1,41	44,39	235,42	1,56	
NEXT Grenzw. /dB	33,56	65,00	65,00	45,87	33,56	65,00	
NEXT @ 100 MHz	53,05	65,80	70,52	51,72	54,83	82,56	39,9
NEXT @ 250 MHz	41,60	56,74	55,49	50,08	47,18	62,16	33,1
min ELFEXT-Res. / dB	16,2	19,0	21,9	11,2	22,8	17,8	
@ f / MHz	1,1	1,1	1,0	1,2	147,1	1,3	
ELFEXT Grw. /dB	62,27	62,64	63,01	61,77	19,91	60,90	
ELFEXT @ 100 MHz	47,12	51,25	56,60	39,56	46,59	54,56	23,3
ELFEXT @ 250 MHz	63,80	47,99	48,51	29,41	49,87	42,62	15,3
min ACR-Reserve/ dB	11,9	17,2	18,9	9,7	13,8	18,6	
@ f / MHz	164,8	1,1	1,4	6,7	14,4	1,6	
ACR Grenzw. /dB	7,7	62,7	62,4	54,1	46,1	62,3	
ACR @ 100 MHz	33,51	46,26	50,98	31,82	34,93	63,15	18,2
ACR @ 250 MHz	9,20	24,34	23,09	17,68	14,77	30,64	-2,8

NEXT / dB

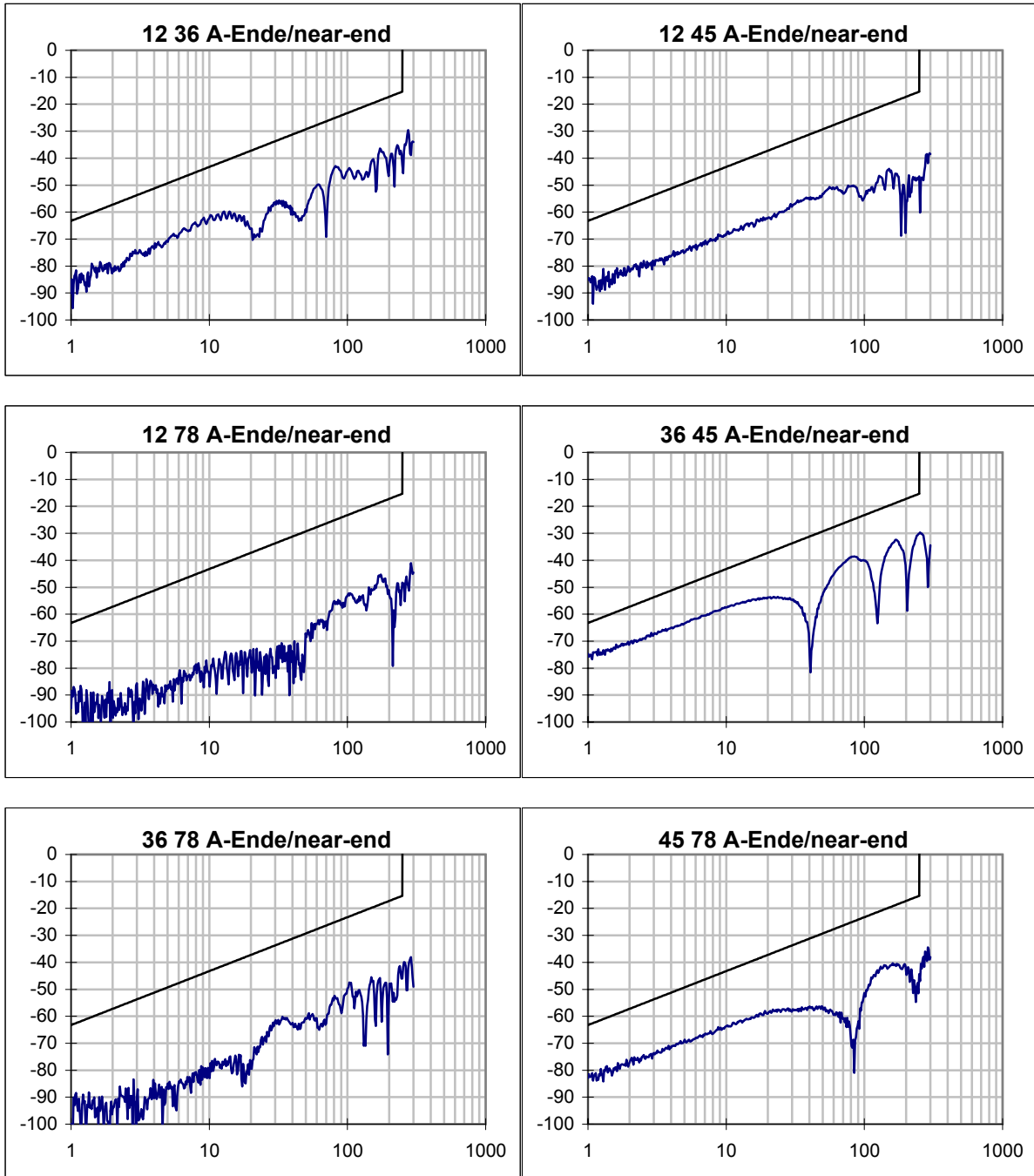


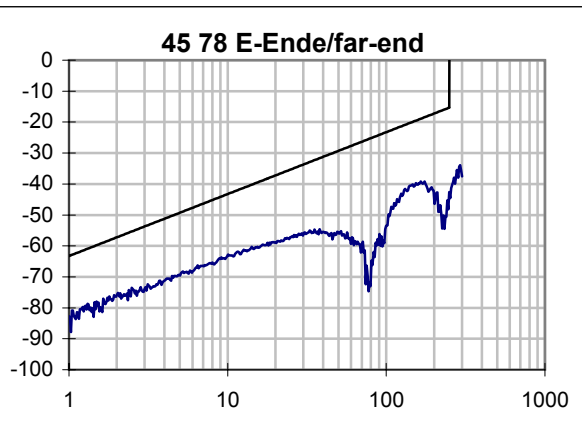
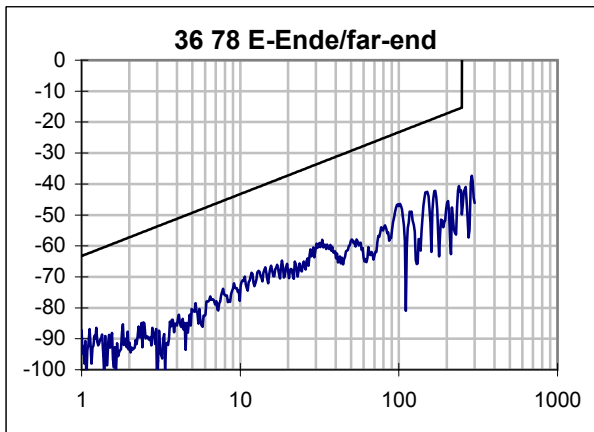
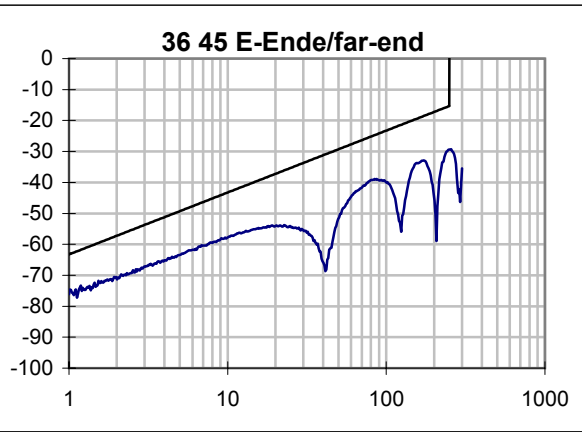
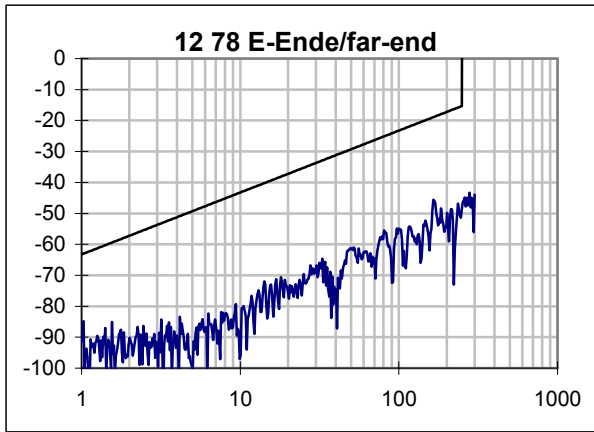
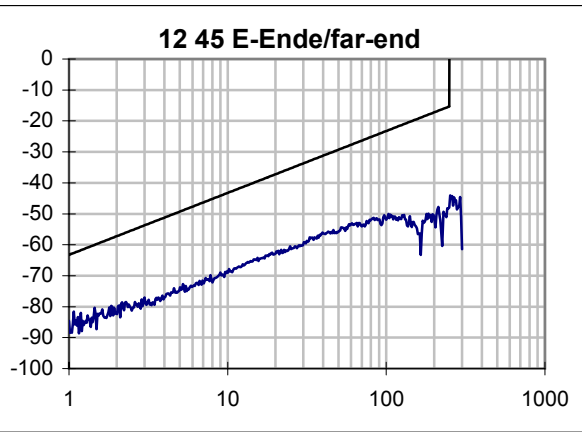
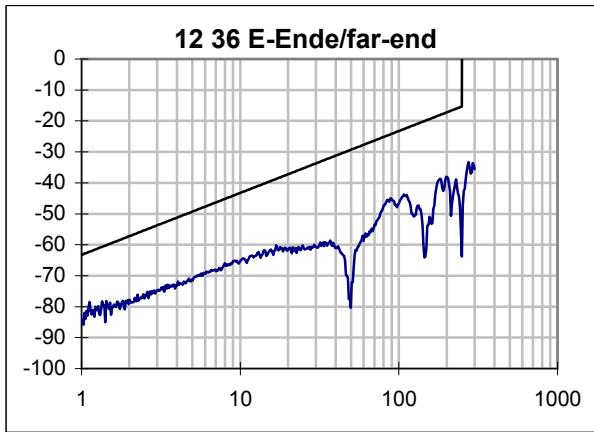


PSNEXT / dB

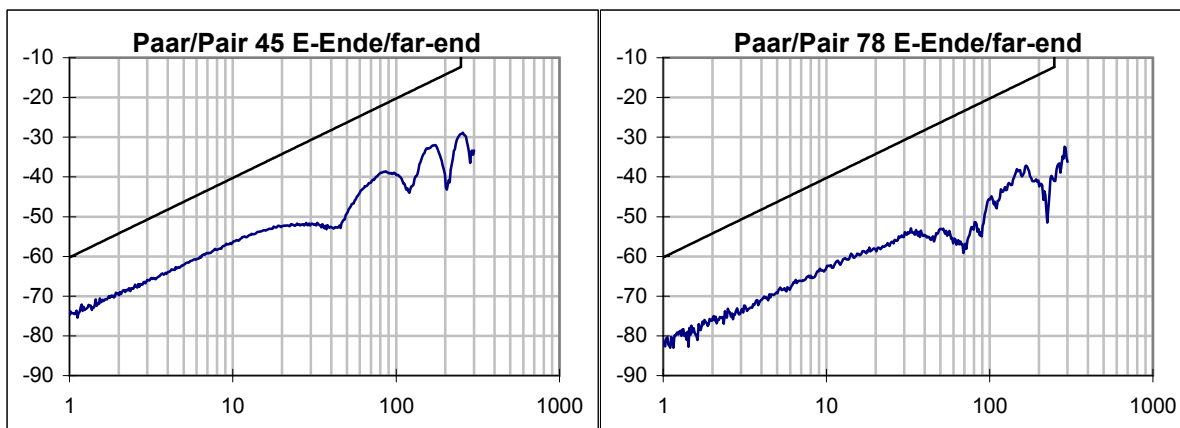
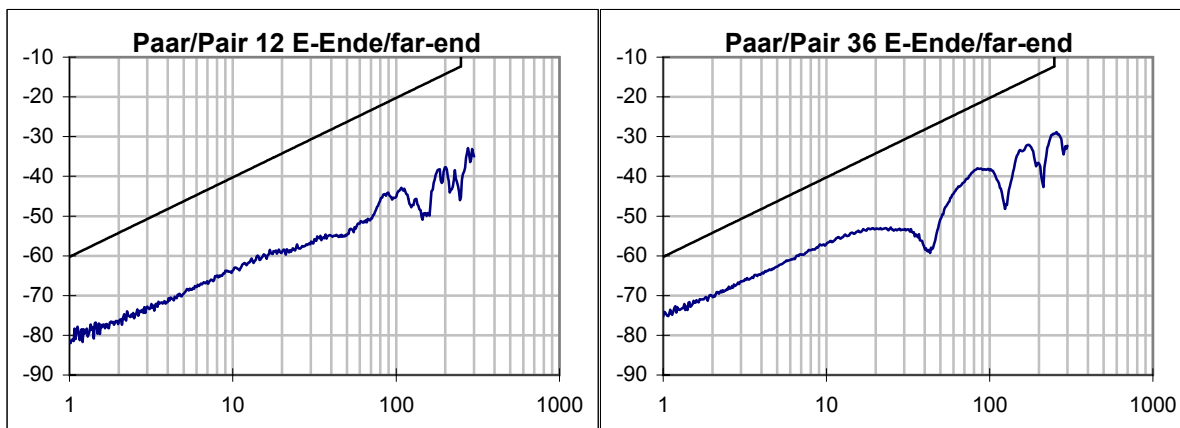
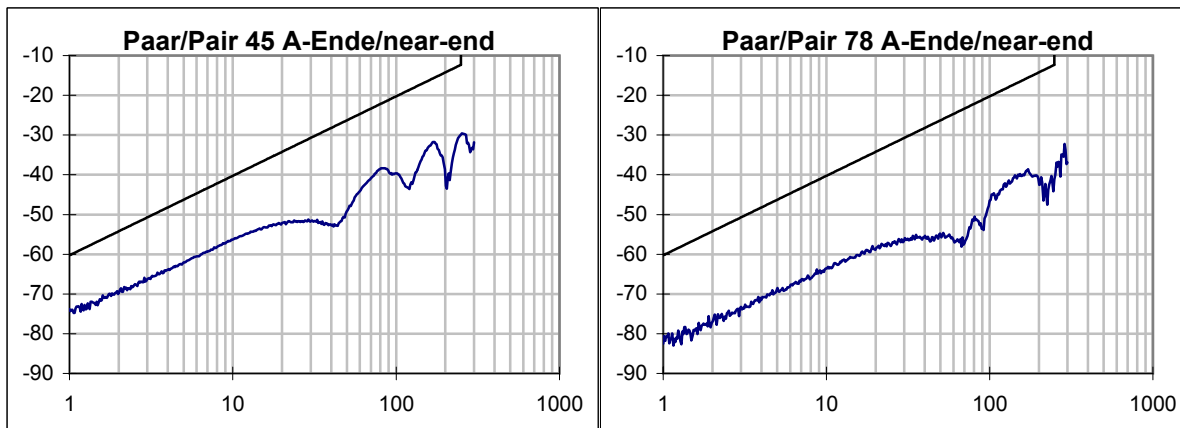
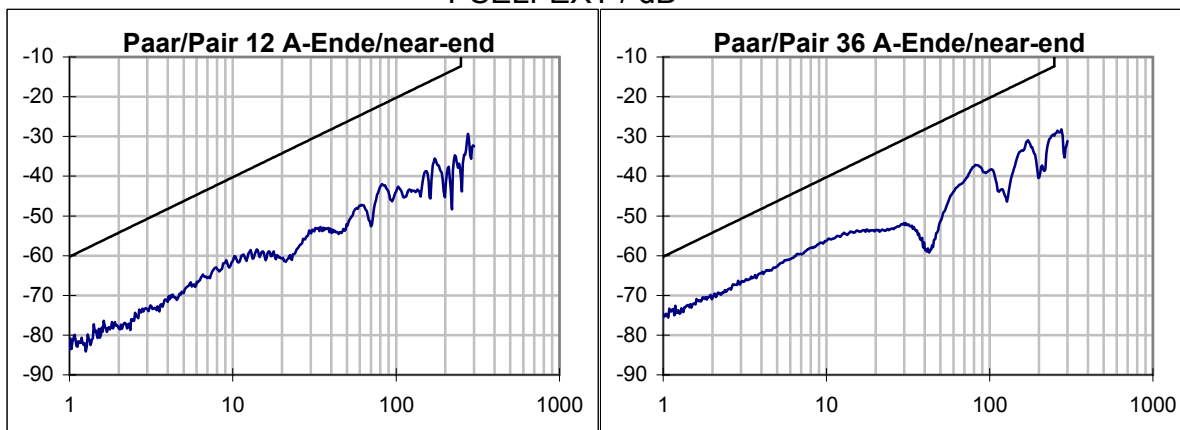


ELFEXT / dB

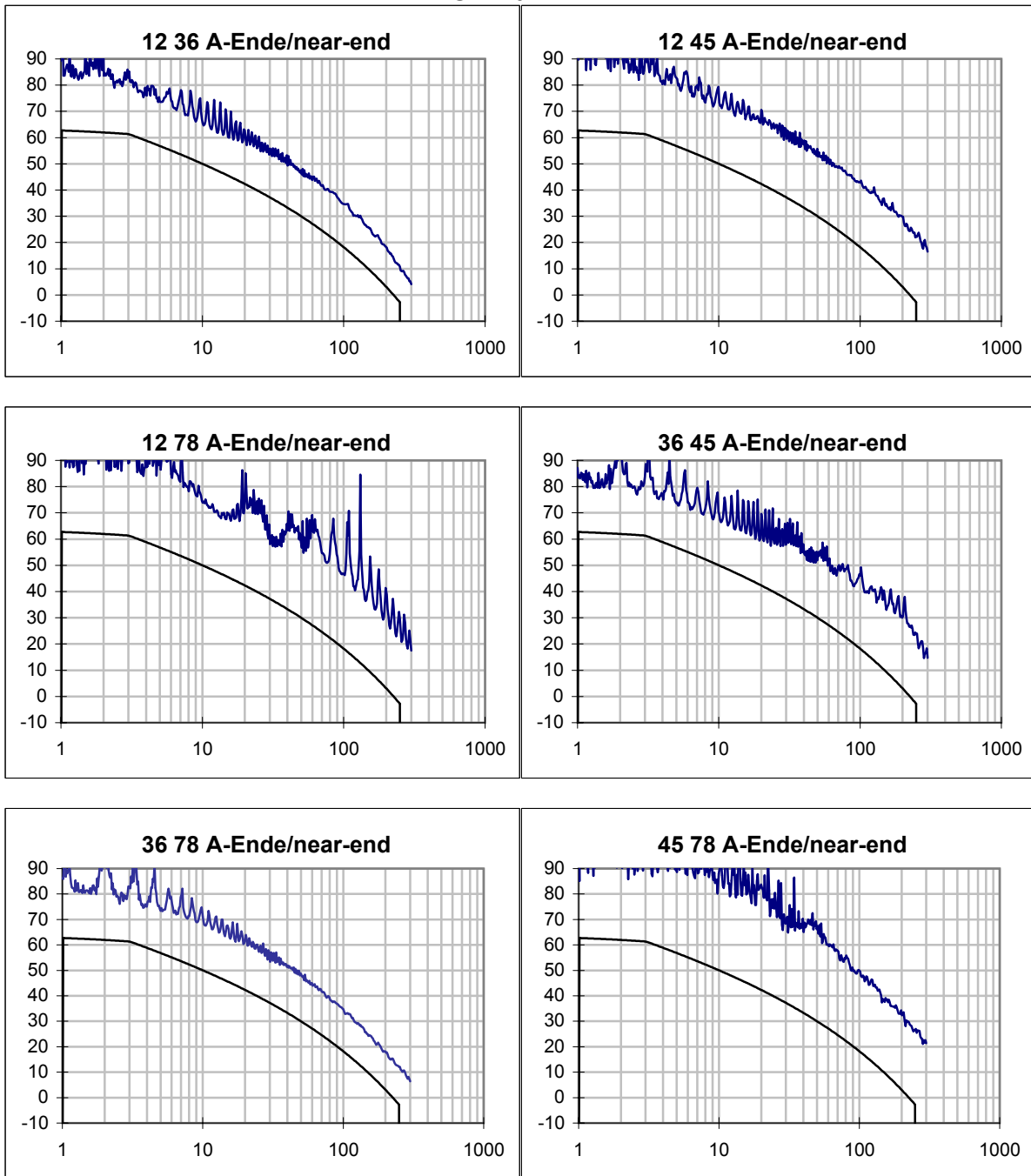


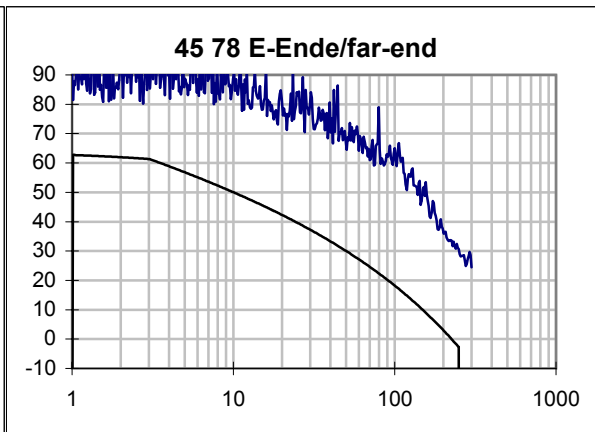
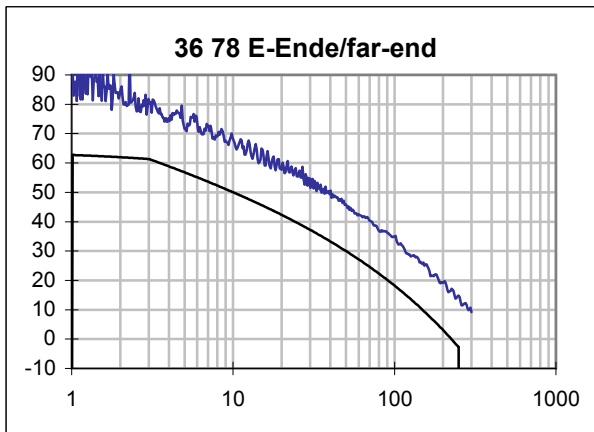
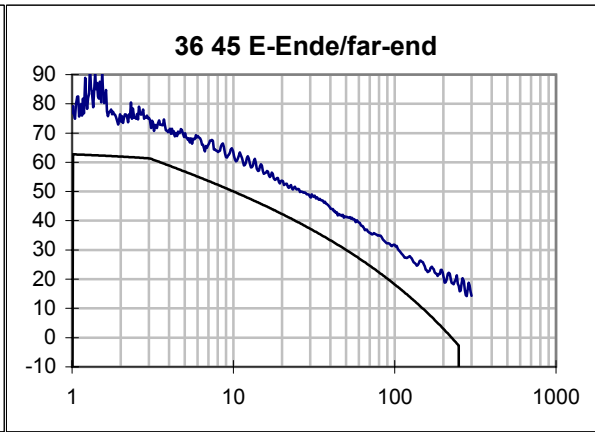
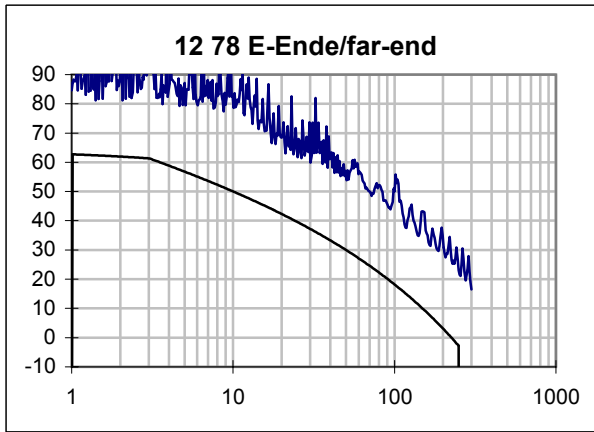
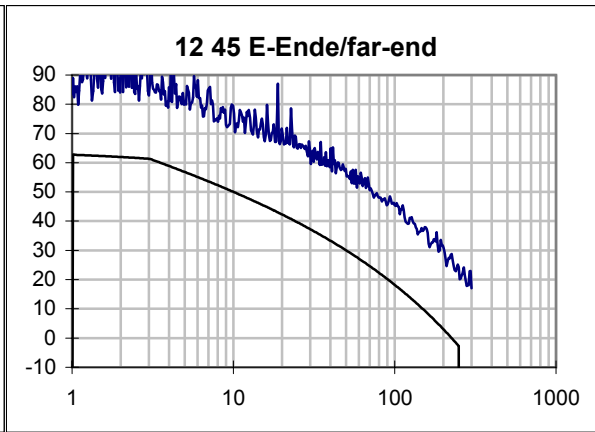
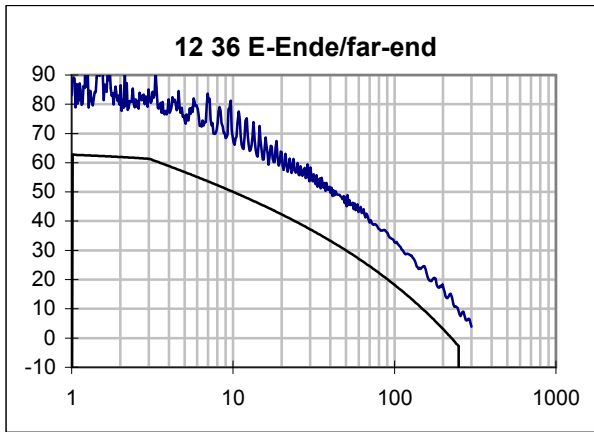


PSELFEXT / dB

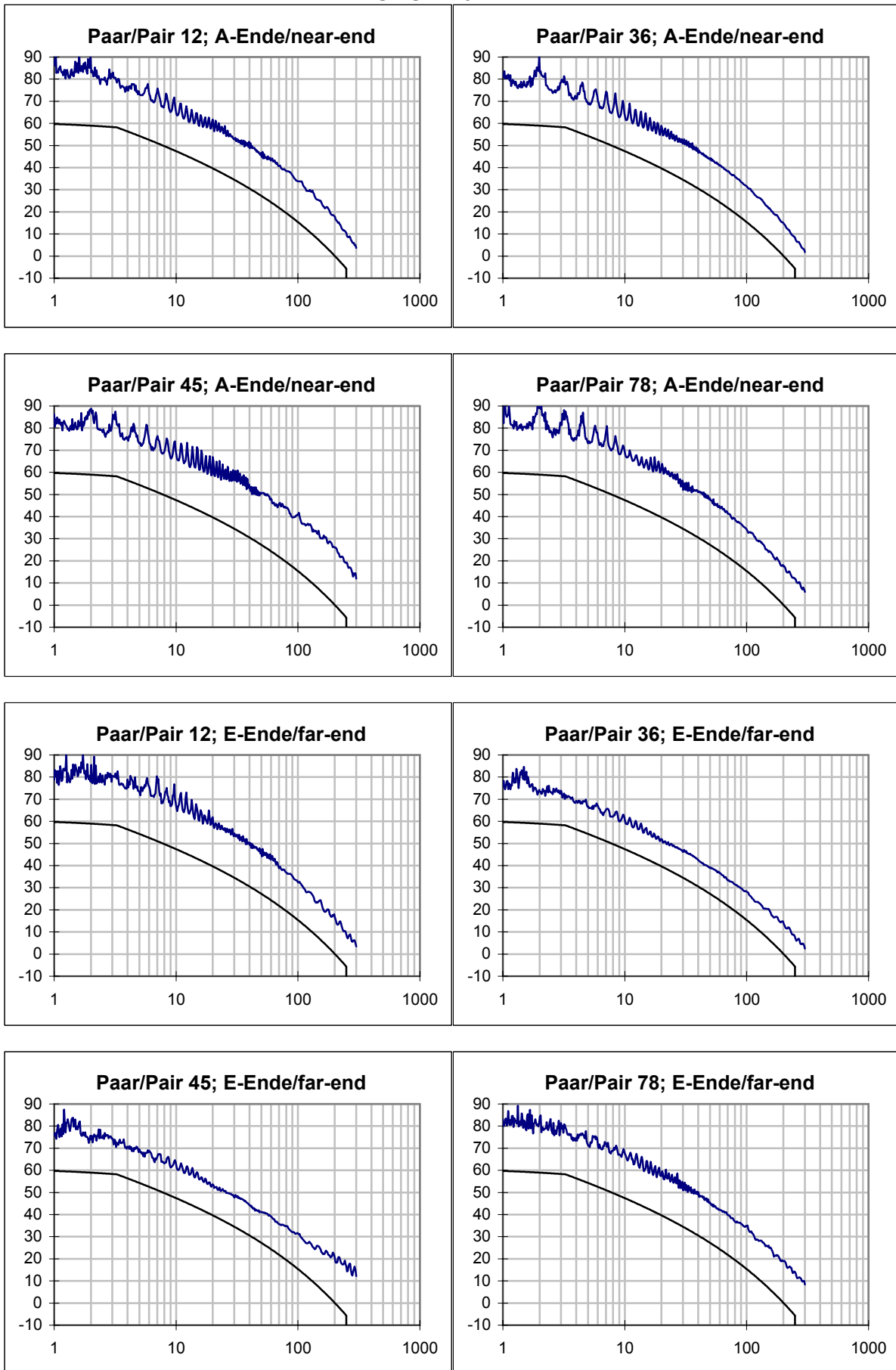


ACR / dB

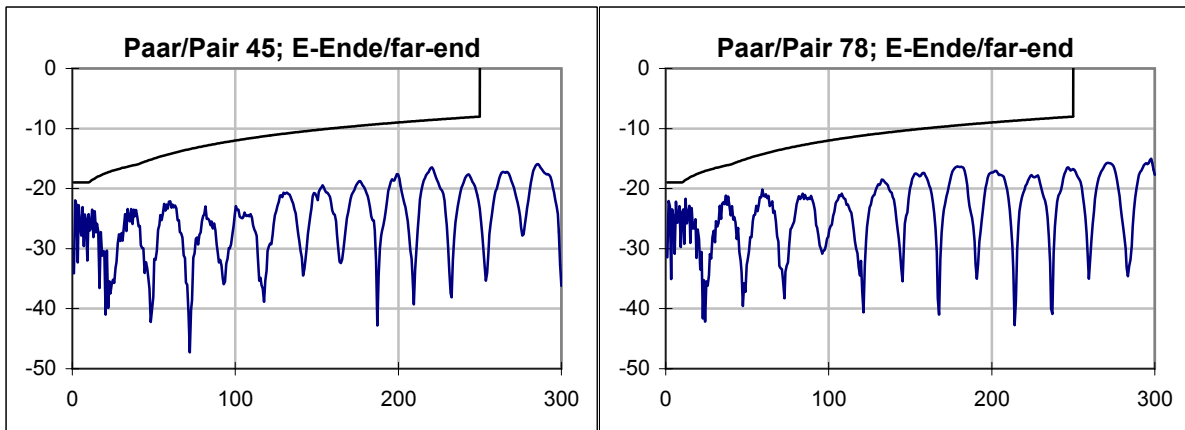
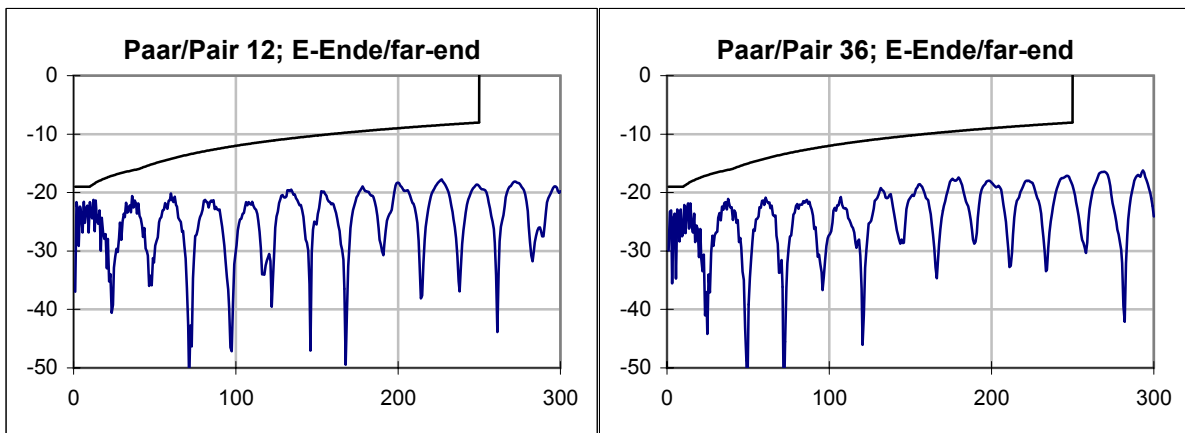
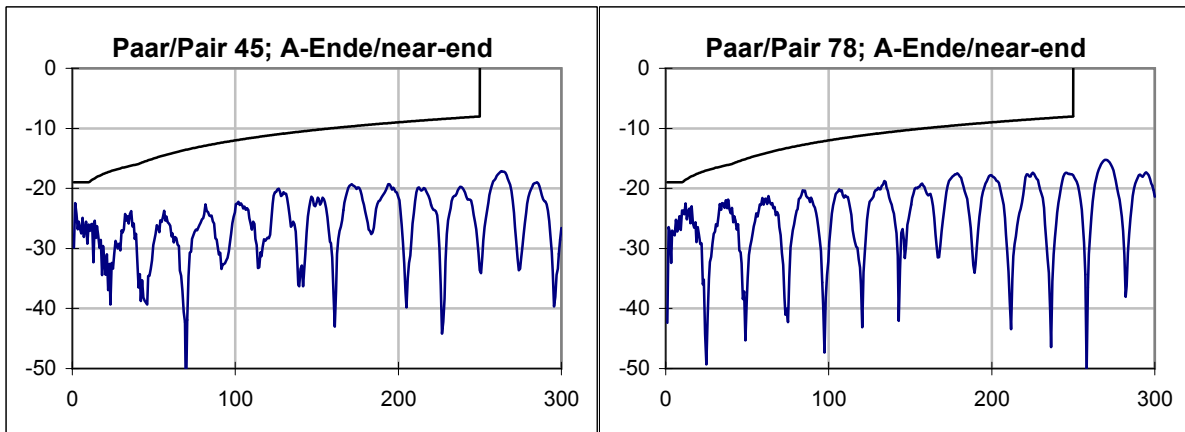
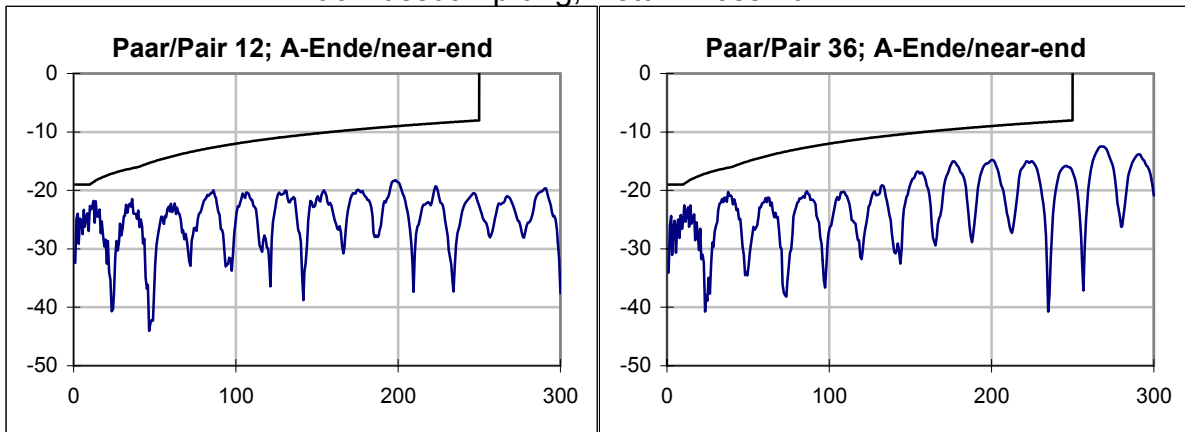




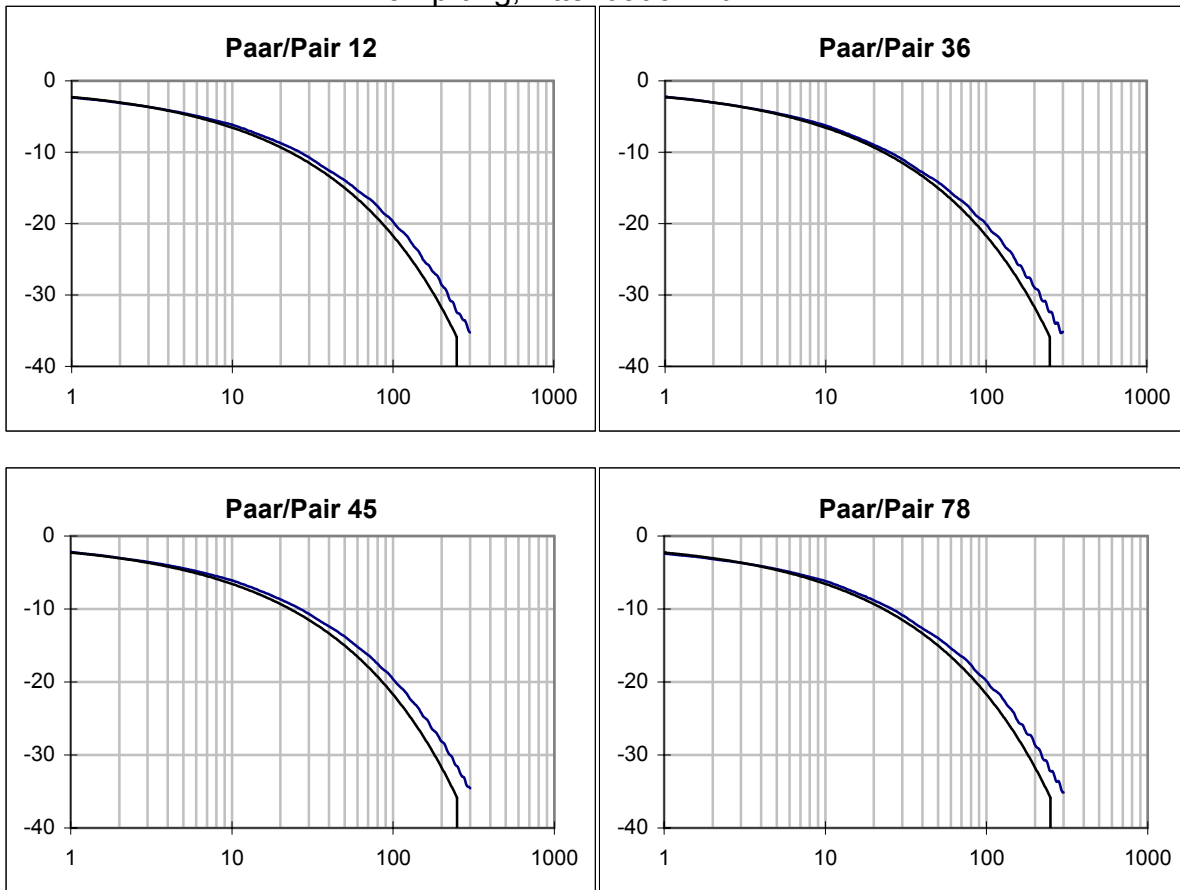
PSACR / dB



Rückflusssdämpfung, Return Loss / dB



Dämpfung, Attenuation / dB



Phasen-Laufzeit, Phase-Delay / ns

