

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 Economy Cat.7**
 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

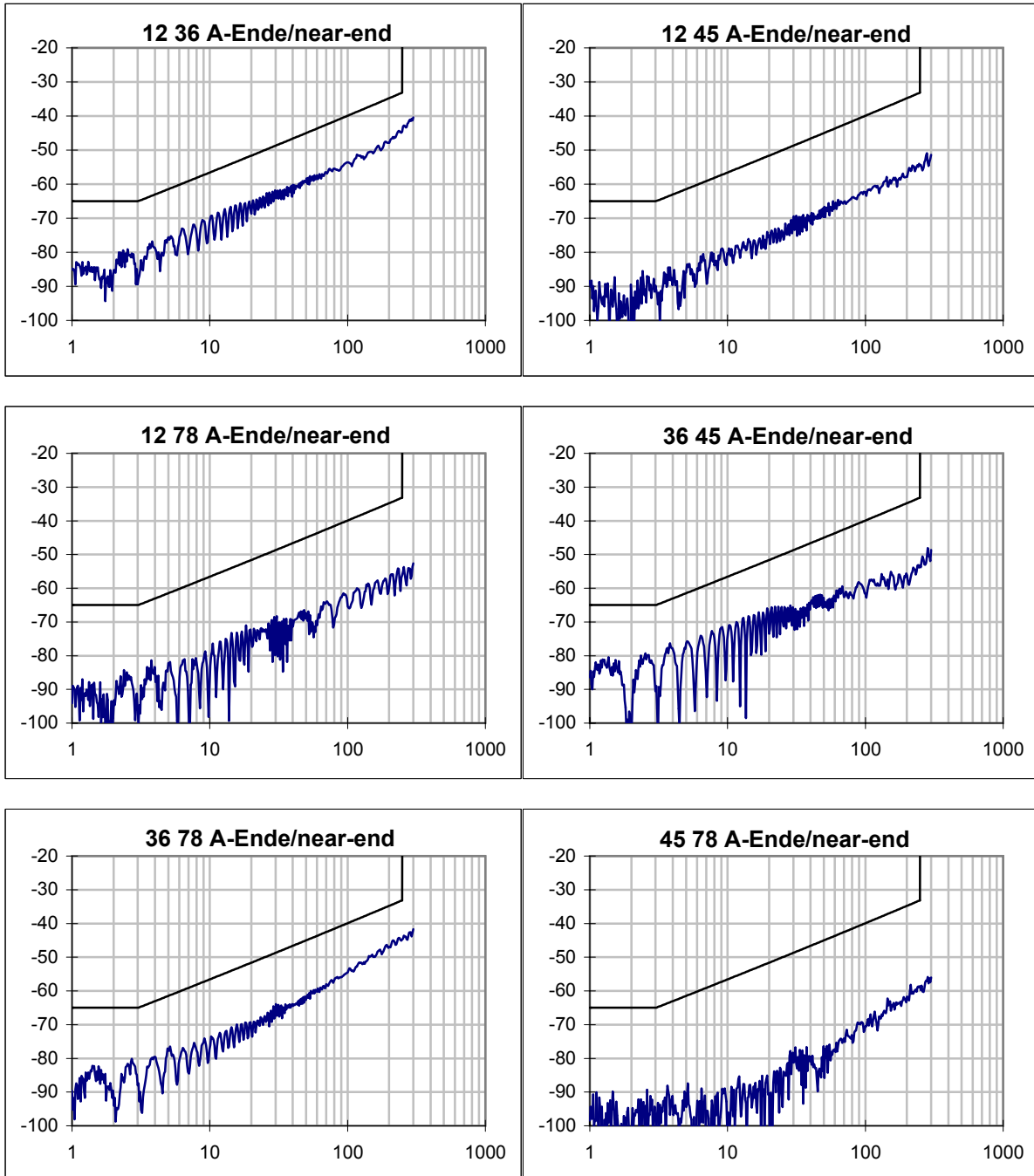
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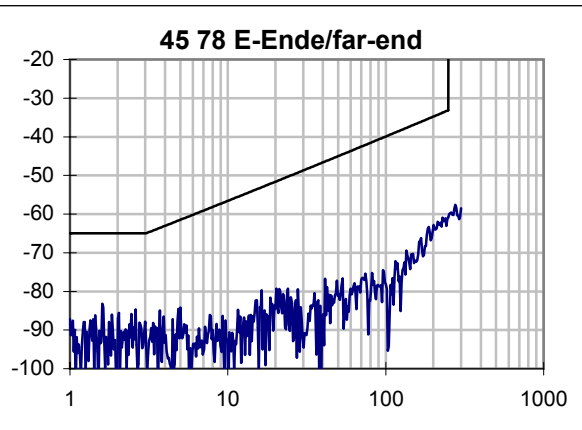
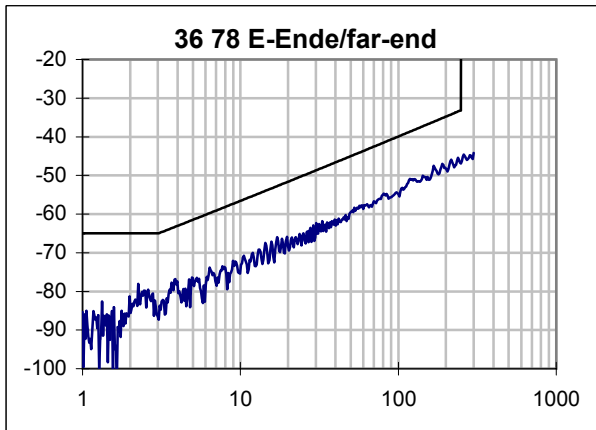
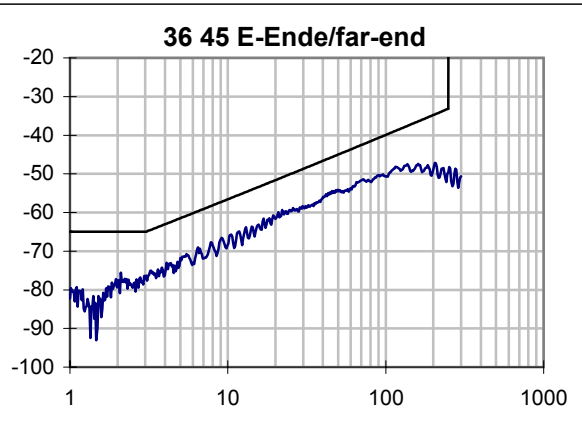
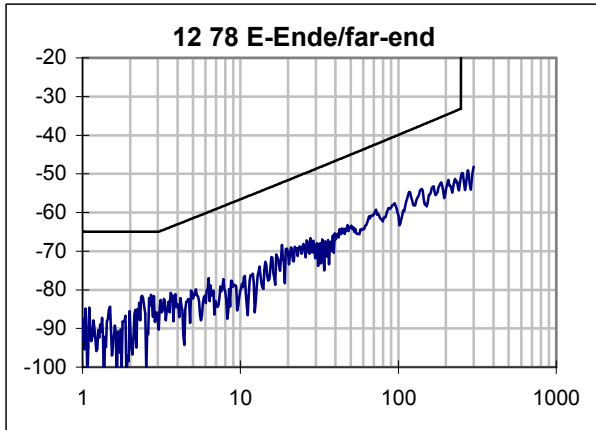
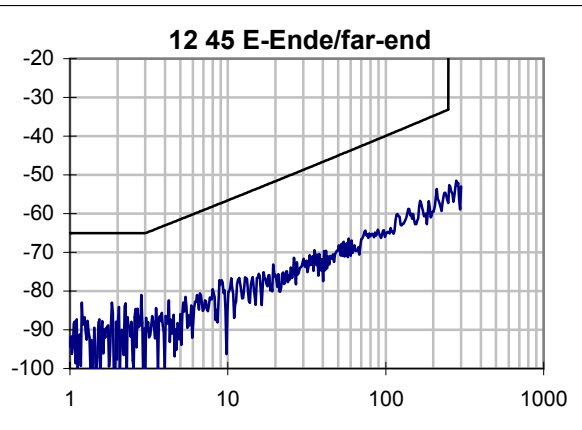
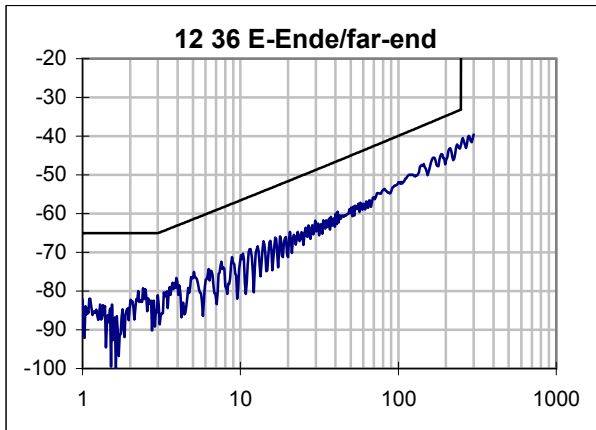
Übersicht Ergebnisse:

Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	452,4	464,0	451,2	455,4		13,2	50
Dämpfung @ 100MHz/dB	19,52	19,91	19,43	19,65	21,7		
Dämpfung @ 250MHz/dB	32,43	32,46	31,55	32,24	35,9		
min PSNEXT-Res. / dB	10,88	9,00	10,98	13,11			
@ f / MHz	235,42	117,06	22,07	213,06			
PSNEXT Gr. / dB	30,61	35,90	48,25	31,37			
PSNEXT @ 100 MHz	51,54	47,45	50,45	53,49	37,1		
PSNEXT @ 250 MHz	41,68	40,51	48,67	45,31	30,2		
min PSELFEXT-Res. / dB	18,02	13,42	13,53	19,18			
@ f / MHz	1,07	1,19	1,04	1,06			
PSELFEXT Gr. / dB	59,64	58,77	59,89	59,76			
PSELFEXT @ 100 MHz	46,18	38,63	39,53	45,83	20,3		
PSELFEXT @ 250 MHz	42,81	29,83	29,66	40,94	12,3		
min PSACR-Reserve / dB	14,1	9,7	11,4	14,6			
@ f / MHz	164,8	16,8	22,1	3,9			
PSACR Grenz. / dB	4,8	41,7	38,5	56,6			
PSACR @ 100 MHz	32,02	27,67	30,55	33,66	15,4		
PSACR @ 250 MHz	9,25	8,07	16,27	12,88	-5,8		
min RL-Reserve / dB	4,6	4,1	7,5	4,8			
@ f / MHz	36,1	37,6	37,6	36,9			
RL Grenzwert / dB	16,2	16,1	16,1	16,2			

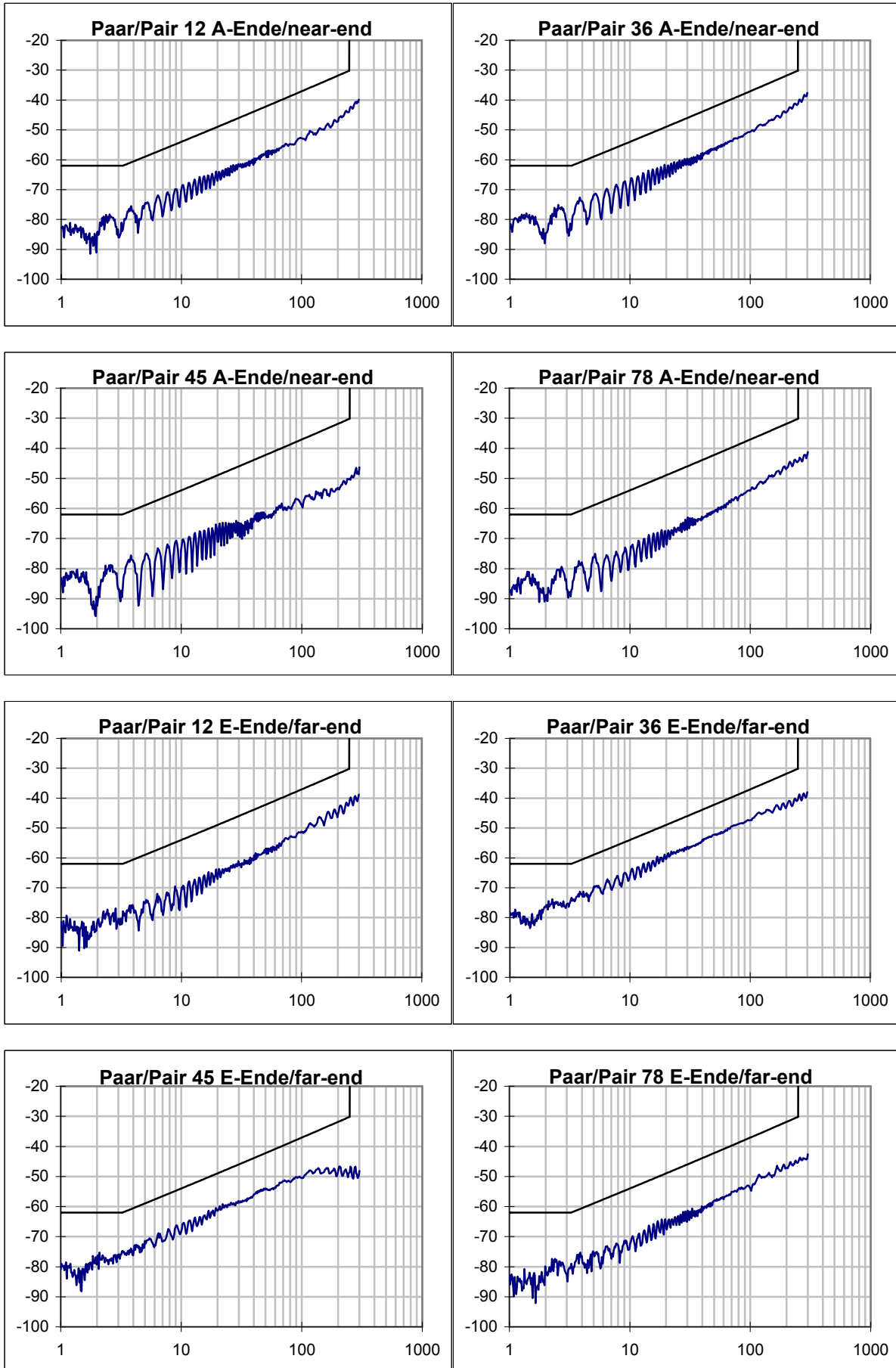
Kombination	12 36	12 45	12 78	36 45	36 78	45 78	Grenzwert
min NEXT-Reserve / dB	8,57	15,97	15,96	8,43	10,68	18,22	
@ f / MHz	235,42	2,83	117,06	22,07	235,42	1,60	
NEXT Grenzw. /dB	33,56	65,00	38,76	50,92	33,56	65,00	
NEXT @ 100 MHz	52,40	66,02	60,00	50,58	54,61	77,65	39,9
NEXT @ 250 MHz	42,38	57,29	50,79	49,64	46,93	60,81	33,1
min ELFEXT-Res. / dB	16,5	17,9	22,8	11,0	22,4	17,2	
@ f / MHz	1,0	1,1	1,0	1,0	151,3	1,1	
ELFEXT Grw. /dB	63,13	62,64	63,26	62,89	19,66	62,76	
ELFEXT @ 100 MHz	48,27	52,21	54,93	39,90	47,02	55,13	23,3
ELFEXT @ 250 MHz	60,65	46,70	45,21	29,90	48,38	44,44	15,3
min ACR-Reserve/ dB	12,1	16,0	16,2	8,8	13,0	18,3	
@ f / MHz	164,8	2,8	2,7	22,1	2,3	1,6	
ACR Grenzw. /dB	7,7	61,4	61,5	41,1	61,8	62,2	
ACR @ 100 MHz	32,88	46,50	40,48	30,67	34,70	58,23	18,2
ACR @ 250 MHz	9,96	24,87	18,36	17,18	14,47	29,26	-2,8

NEXT / dB

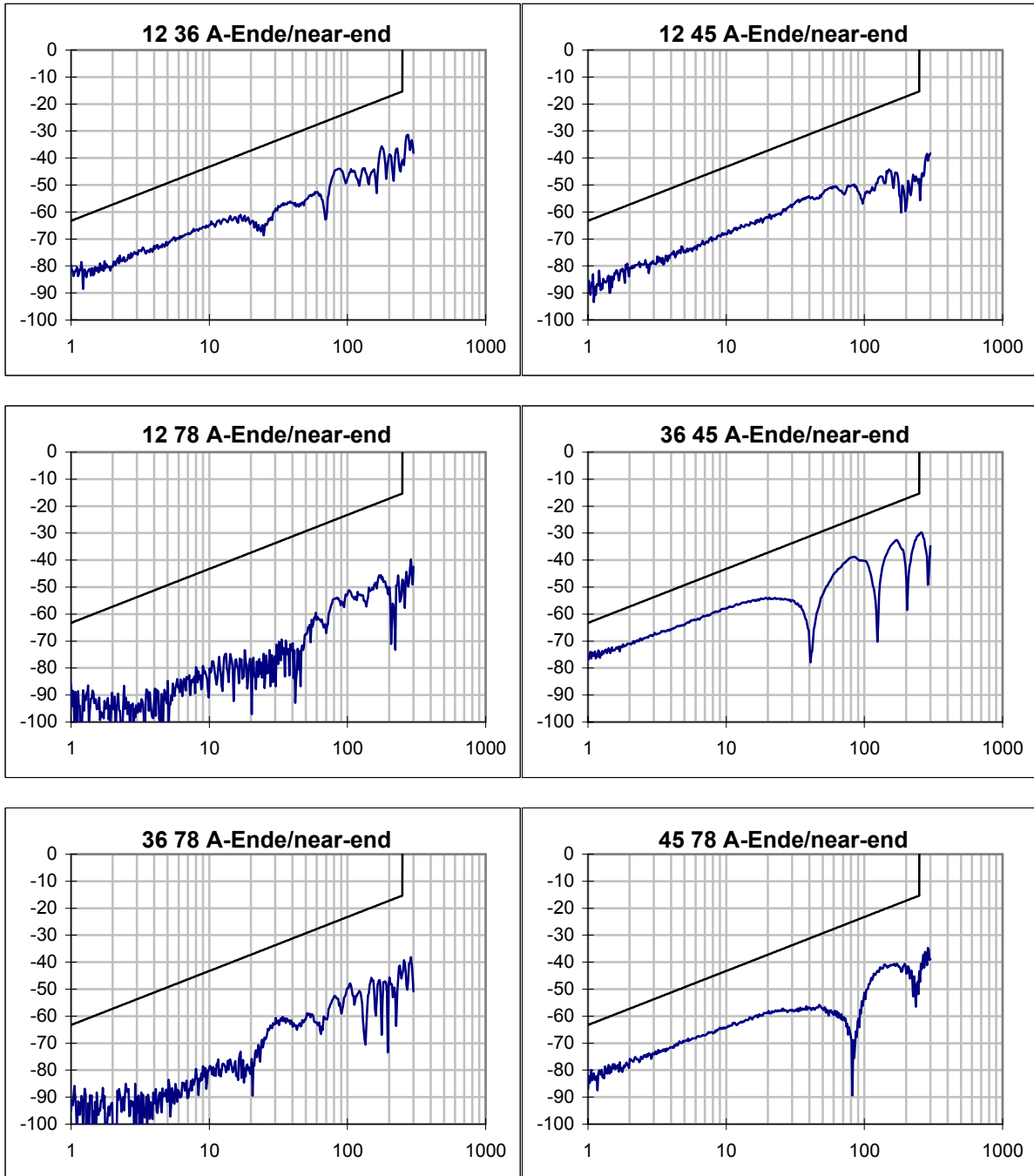


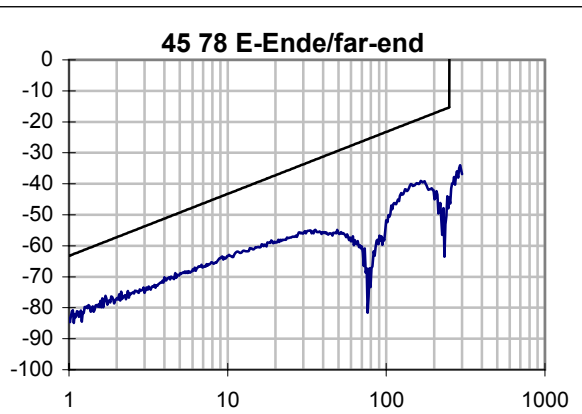
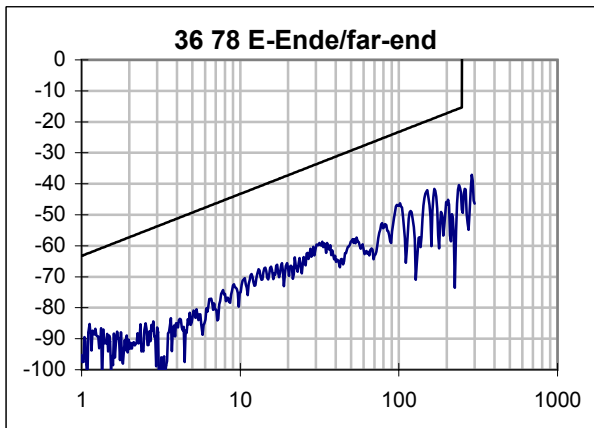
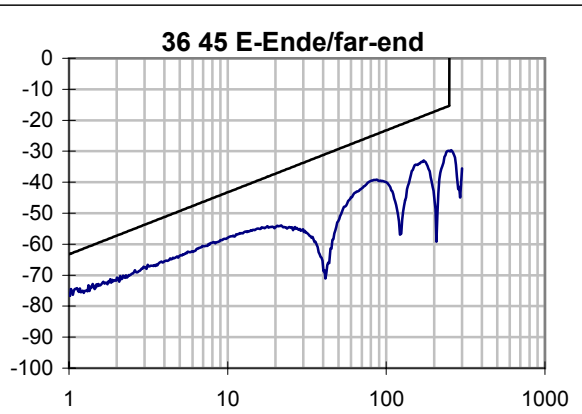
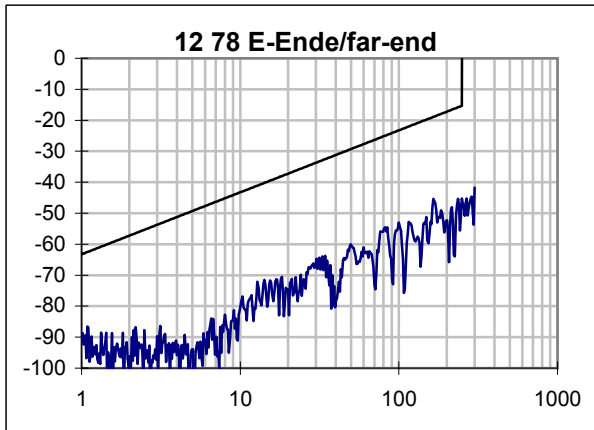
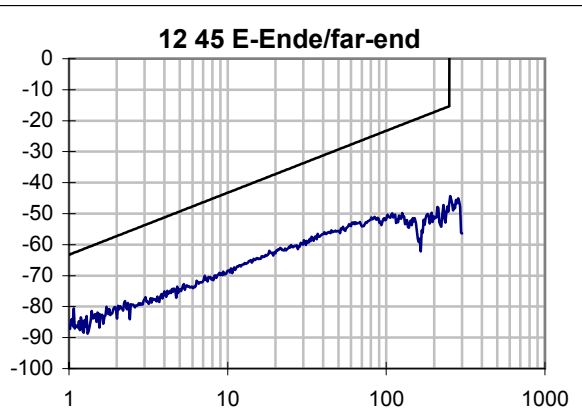
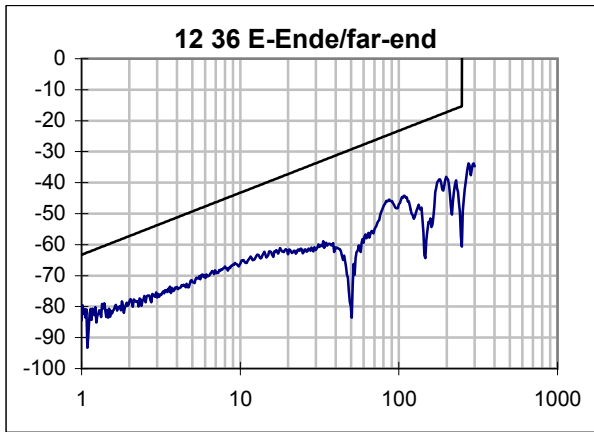


PSNEXT / dB

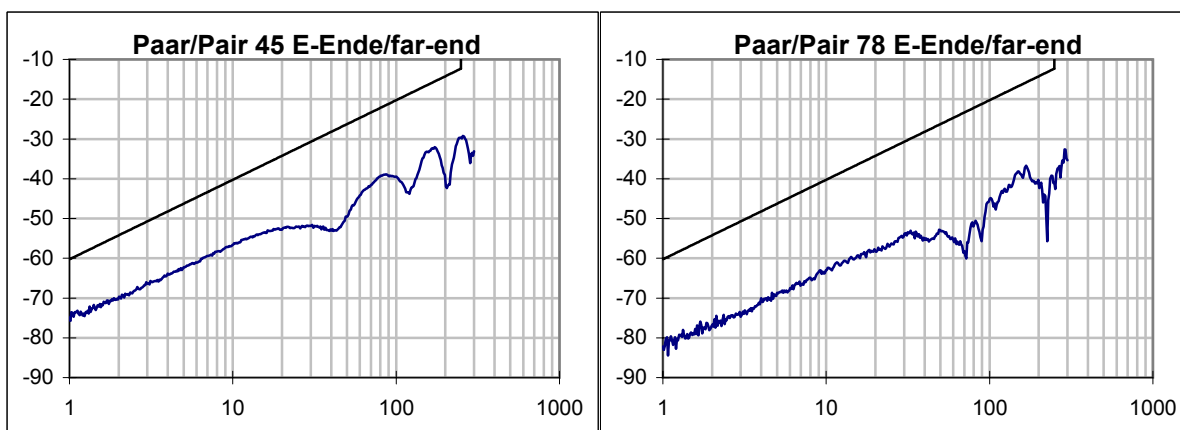
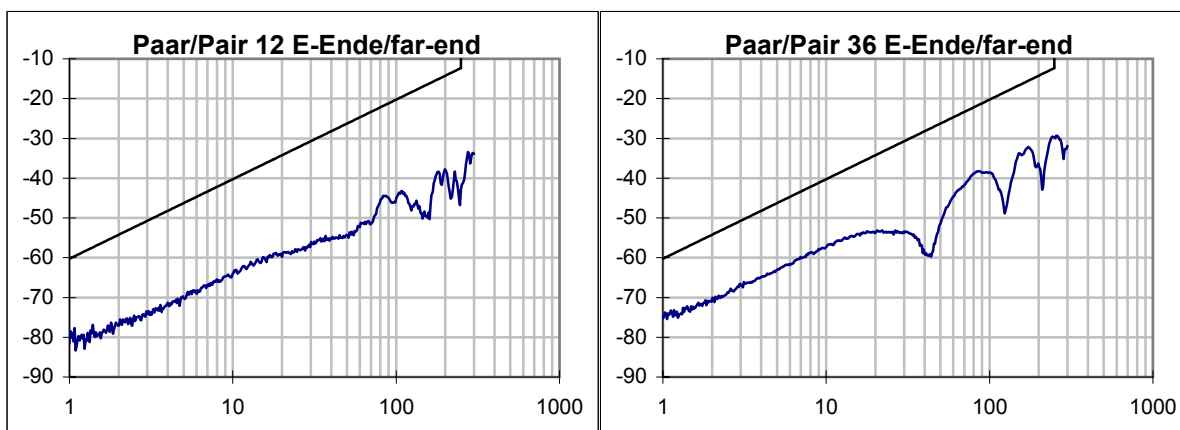
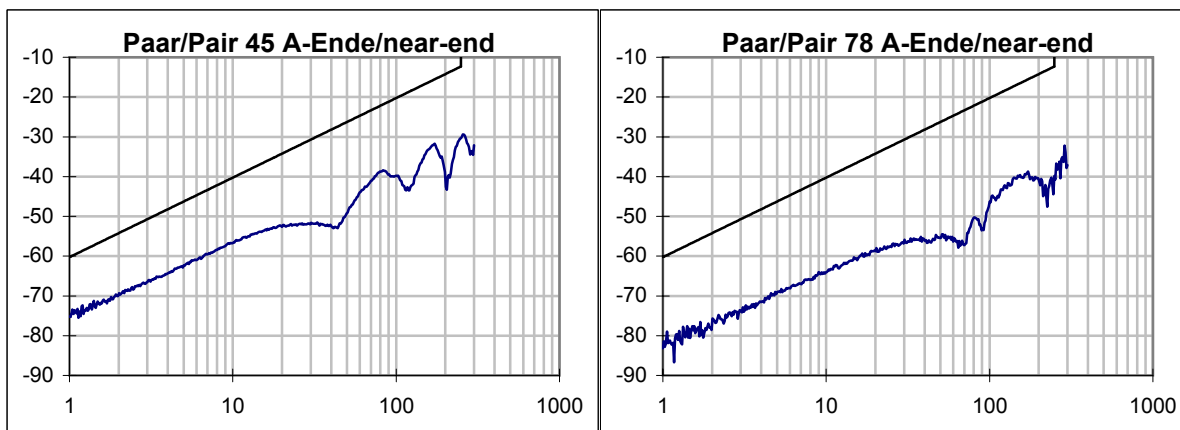
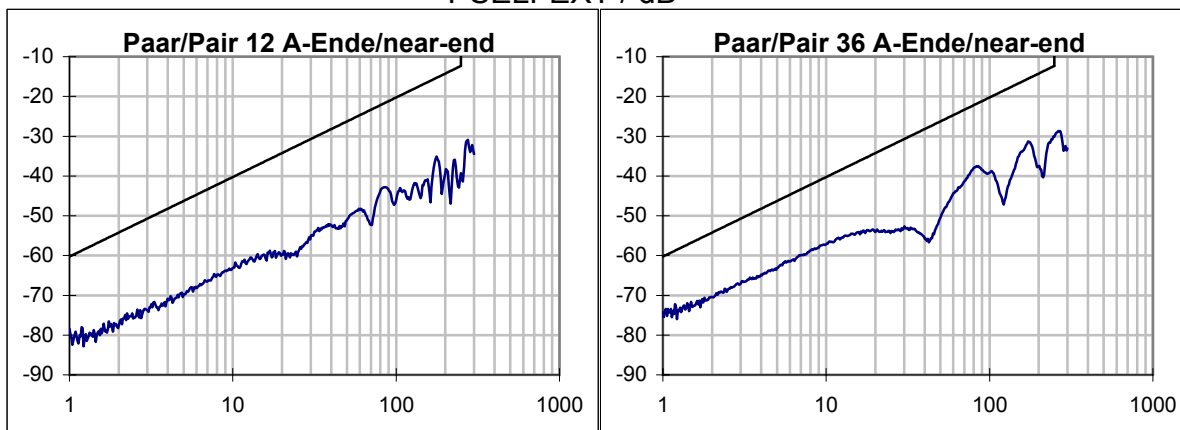


ELFEXT / dB

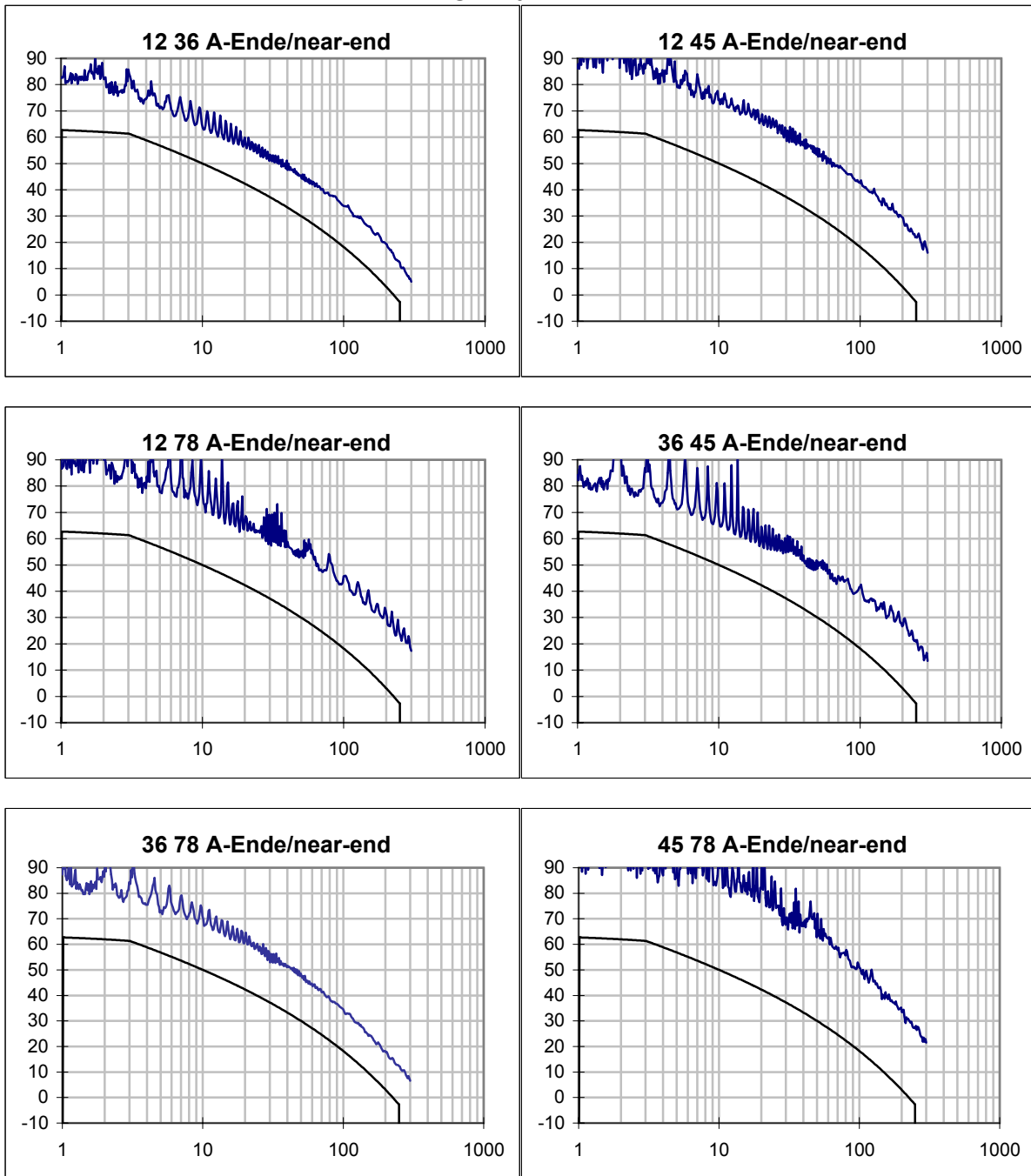


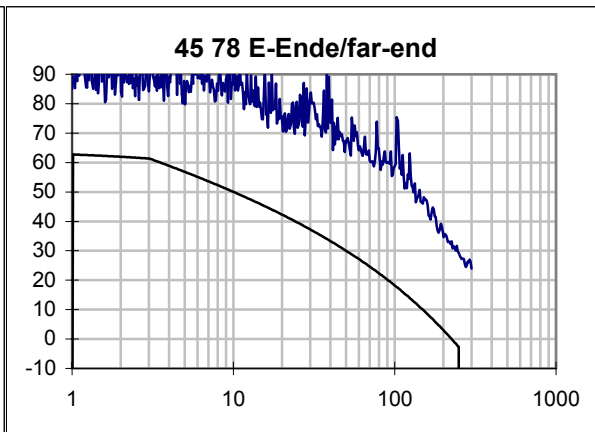
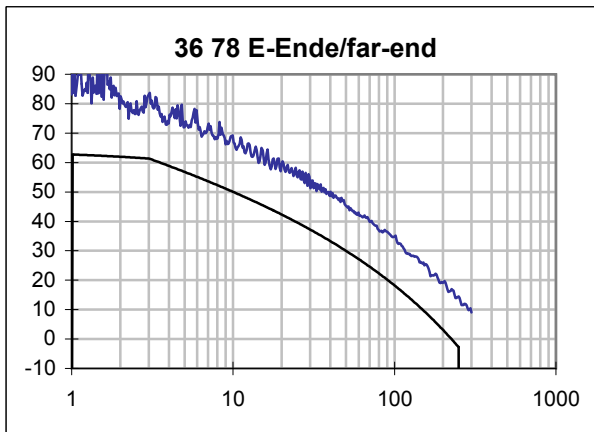
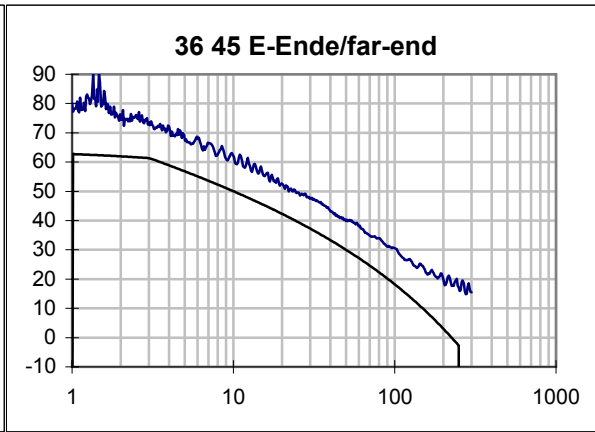
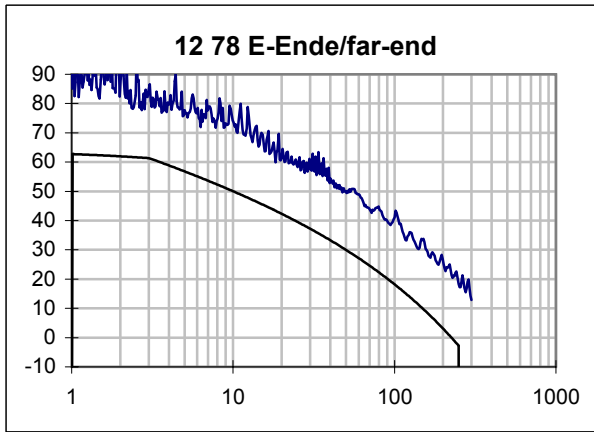
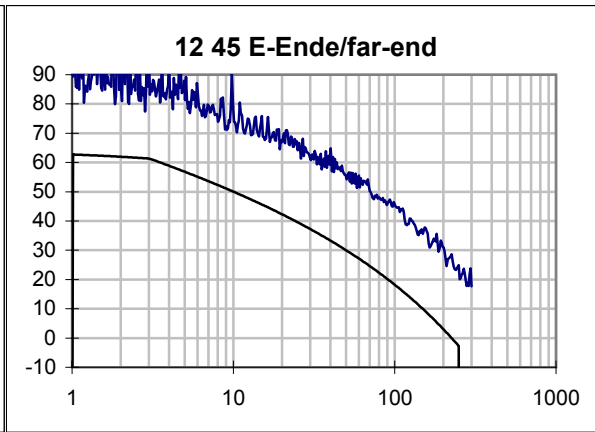
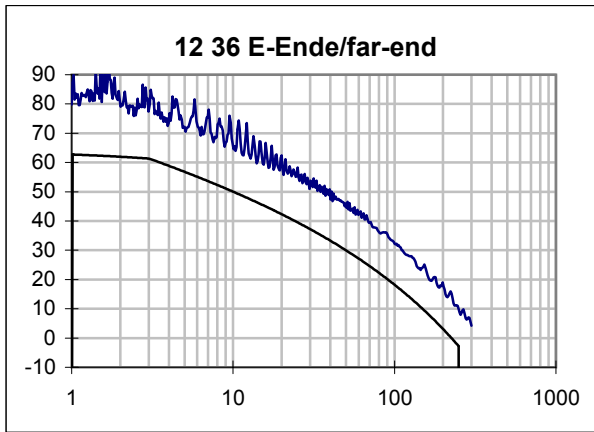


PSELFEXT / dB

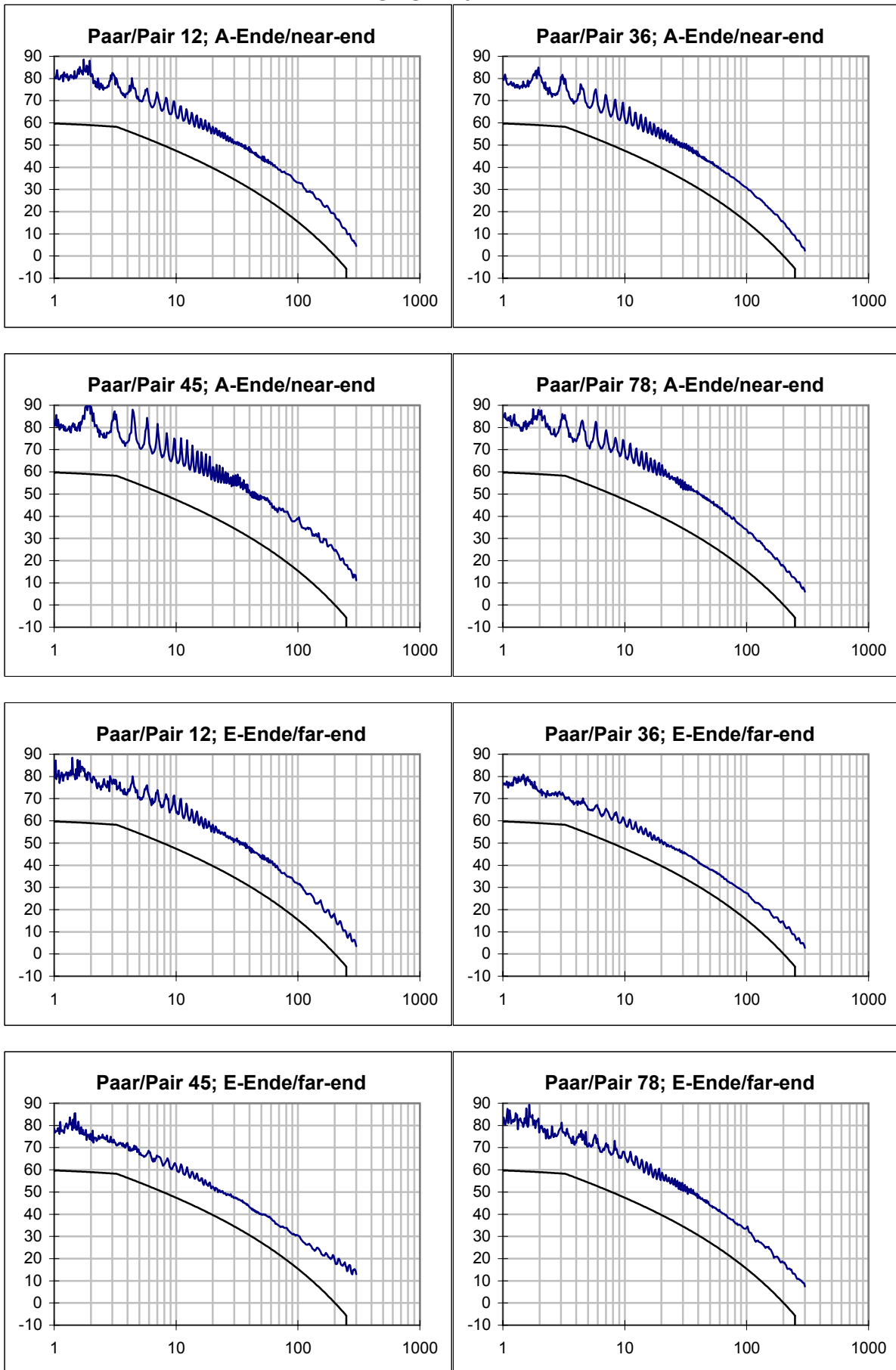


ACR / dB

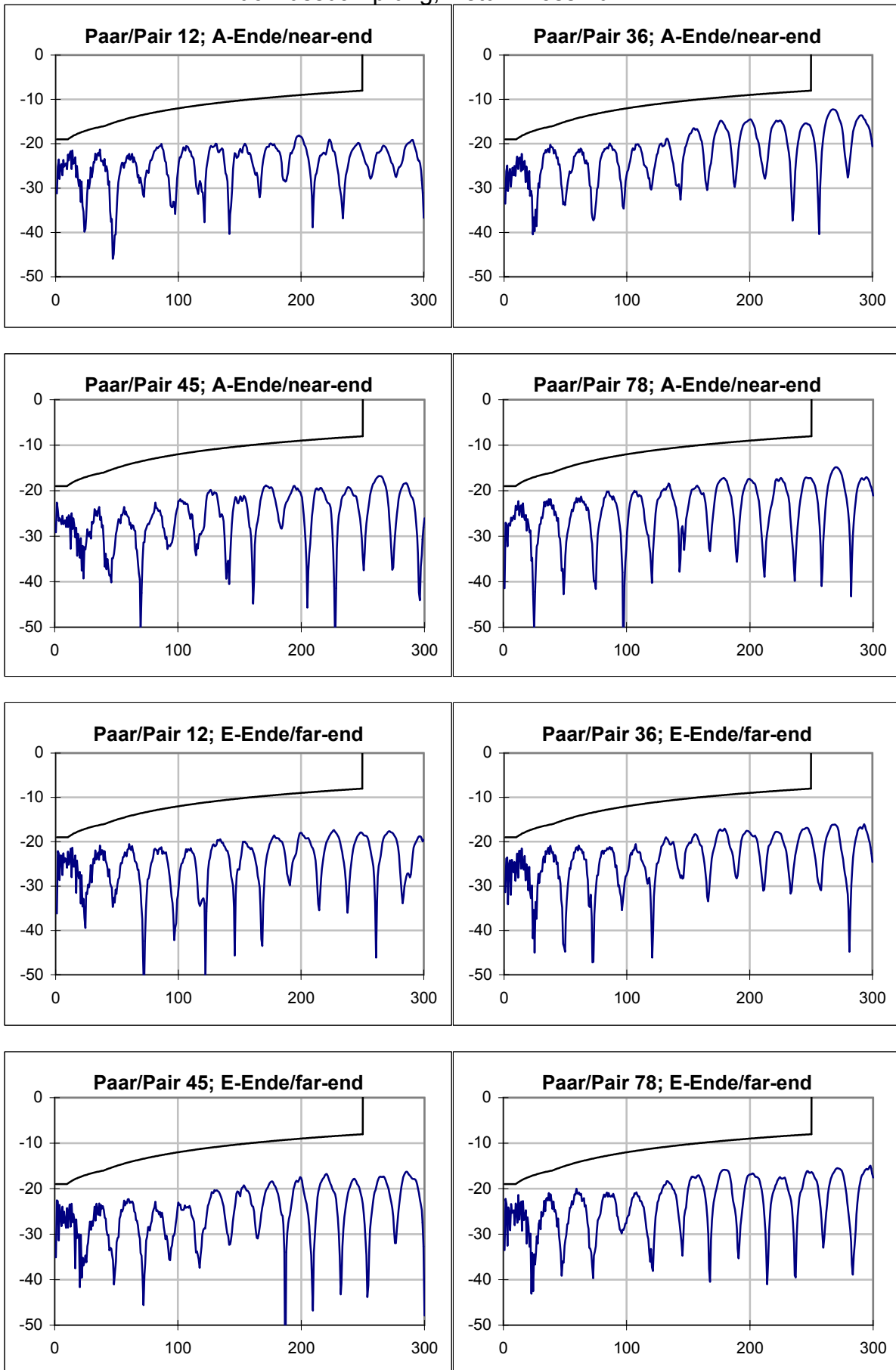




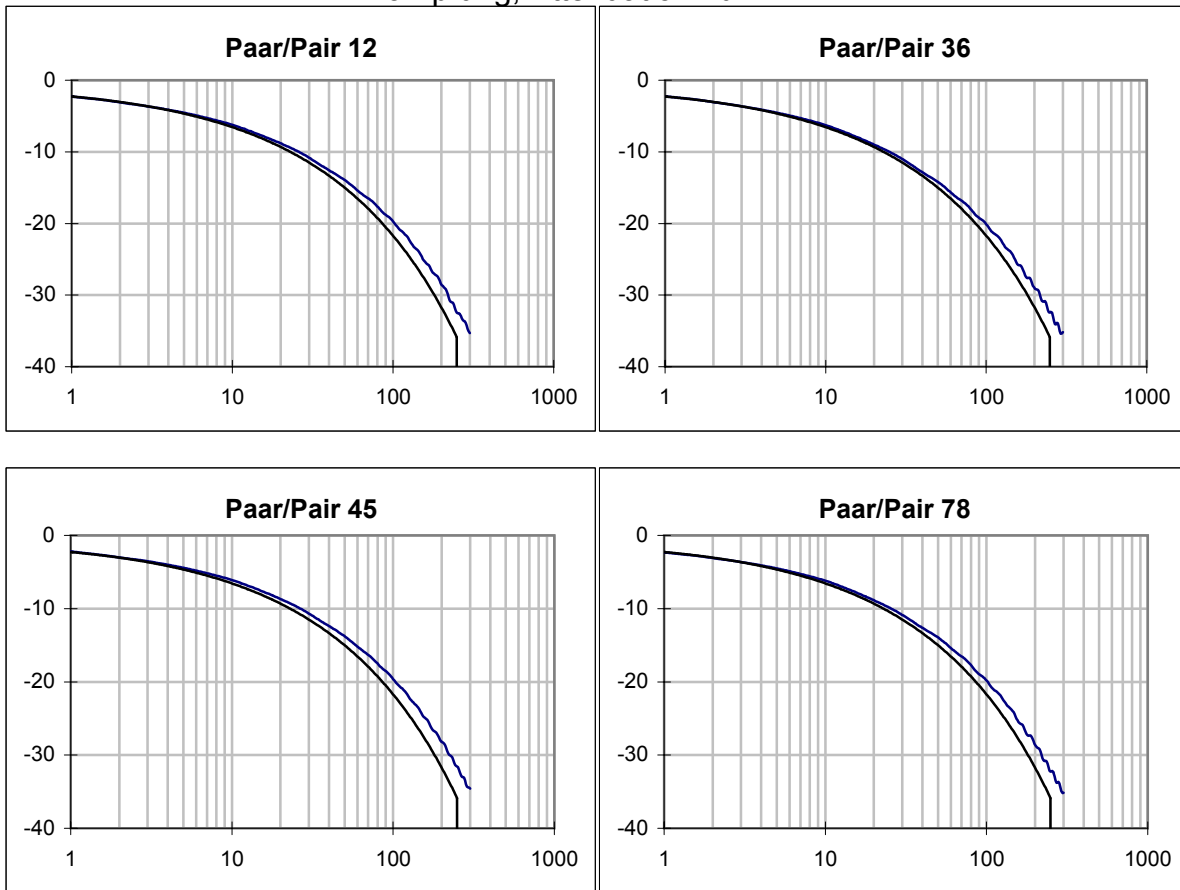
PSACR / dB



Rückflusdämpfung, Return Loss / dB



Dämpfung, Attenuation / dB



Phasen-Laufzeit, Phase-Delay / ns

