

Messprotokoll:
Channel-Messung



Draka Multimedia Cable

Messaufbau:

Patch-Kabel A-Ende: **5 m UC600 SS27 4P (AMP-Stecker)**
Komponente A-Ende: **3M/Quante K6 Cat.6 Modul**
Tertiärkabel: **90 m UC600 SS23/1 4P**
Komponente E-Ende: **3M/Quante K6 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: Die Strecke entspricht Class E nach ISO/IEC JTC 1/SC 25/WG 3 N780.

Datum: 15.10.2002
Prüfer: Dr. C. Pfeiler

Prüflabor: Draka Multimedia Cable
Wohlauer Str. 15
90475 Nürnberg

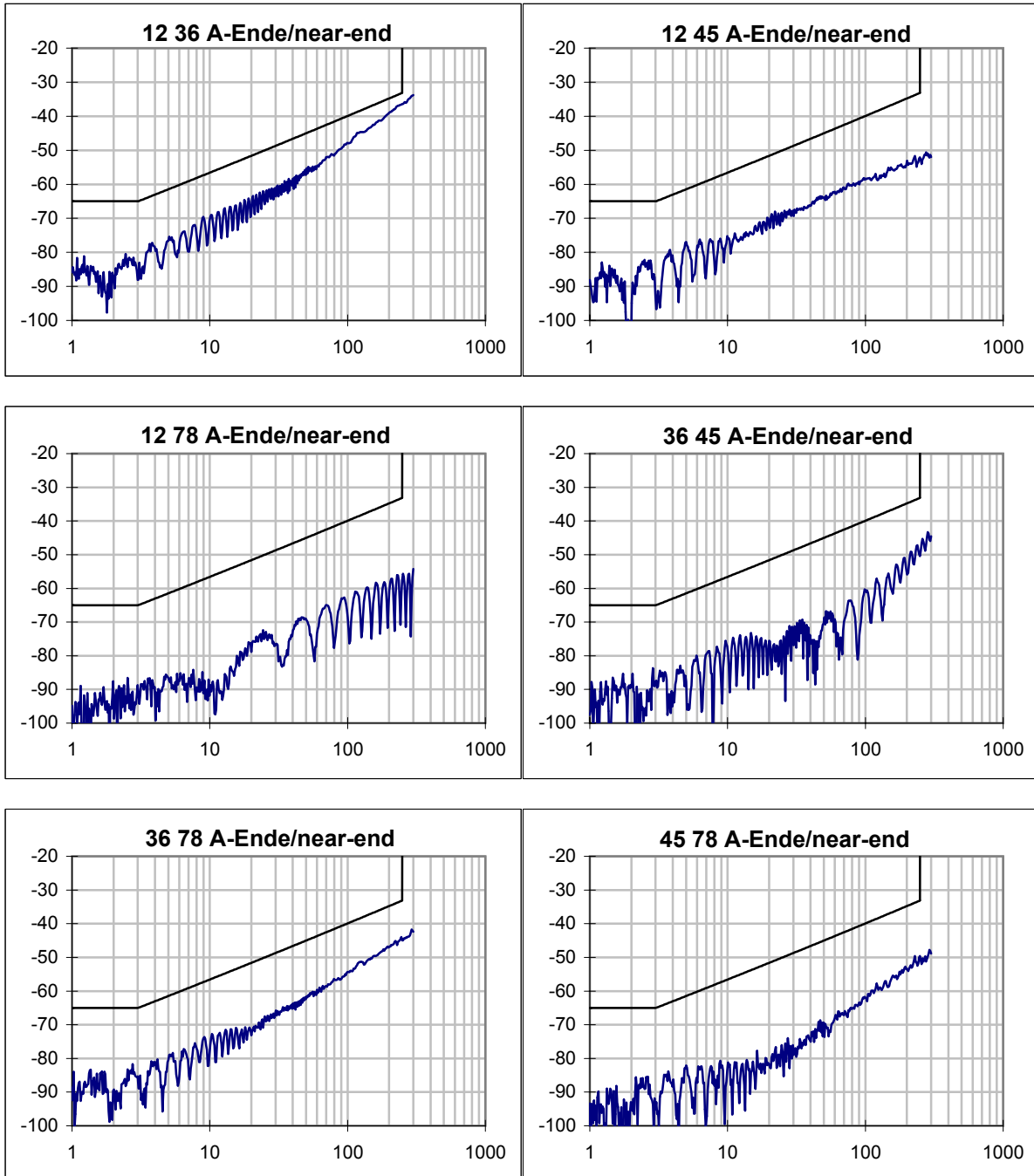
gepr. 

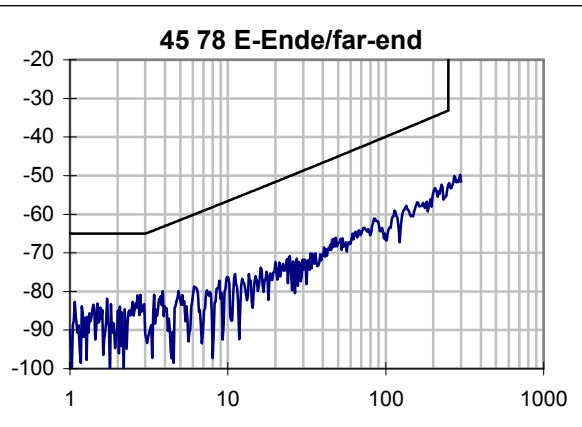
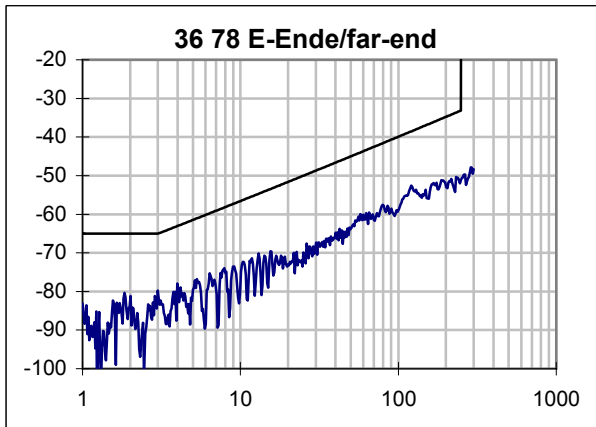
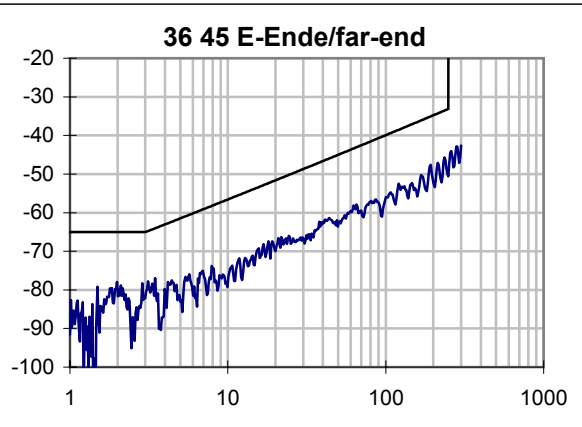
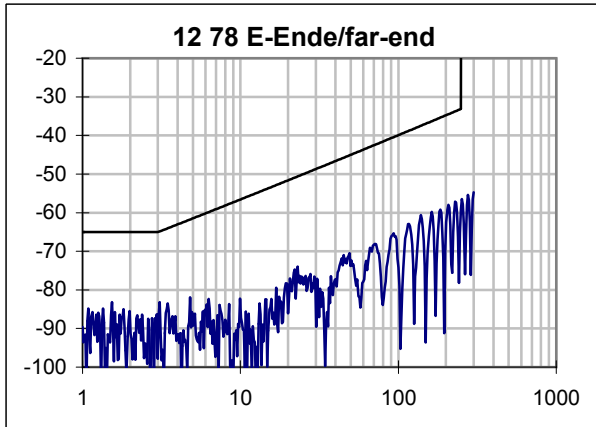
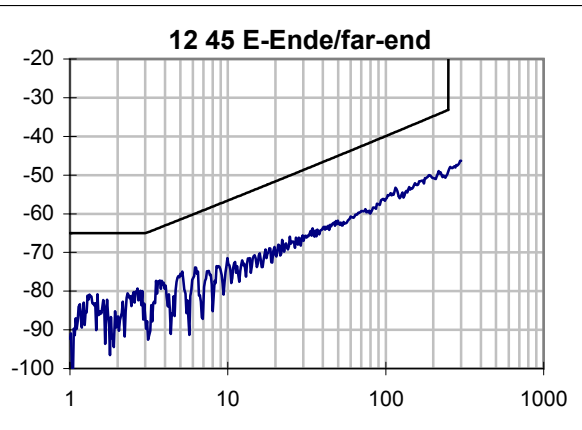
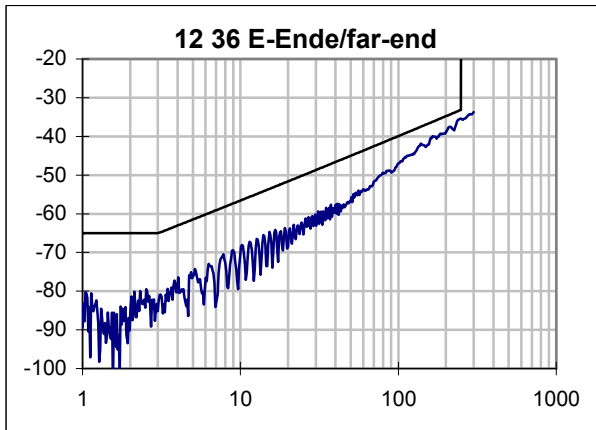
Übersicht Ergebnisse:

Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	461,2	455,0	454,1	457,1		11,7	50
Dämpfung @ 100MHz/dB	19,8	19,3	19,4	19,6	21,7		
Dämpfung @ 250MHz/dB	32,1	31,5	31,2	31,5	35,9		
min PSNEXT-Res. / dB	4,97	4,72	13,18	12,68			
@ f / MHz	249,24	238,80	192,82	245,71			
PSNEXT Gr. / dB	30,18	30,50	32,13	30,29			
PSNEXT @ 100 MHz	46,75	46,56	53,47	58,14	37,1		
PSNEXT @ 250 MHz	35,15	35,11	45,65	48,37	30,2		
min PSELFEXT-Res. / dB	11,74	10,42	10,53	12,49			
@ f / MHz	1,14	1,07	1,20	1,17			
PSELFEXT Gr. / dB	59,14	59,64	58,65	58,89			
PSELFEXT @ 100 MHz	38,46	38,03	35,53	42,13	20,3		
PSELFEXT @ 250 MHz	30,59	29,52	26,36	28,08	12,3		
min PSACR-Reserve / dB	8,3	8,0	13,5	15,9			
@ f / MHz	238,8	238,8	2,9	3,9			
PSACR Grenz. / dB	-4,5	-4,5	58,4	56,6			
PSACR @ 100 MHz	26,98	26,86	33,92	38,77	15,4		
PSACR @ 250 MHz	3,07	3,07	13,95	16,96	-5,8		
min RL-Reserve / dB	6,0	3,5	8,1	5,6			
@ f / MHz	35,4	34,6	36,1	33,1			
RL Grenzwert / dB	16,3	16,3	16,2	16,4			

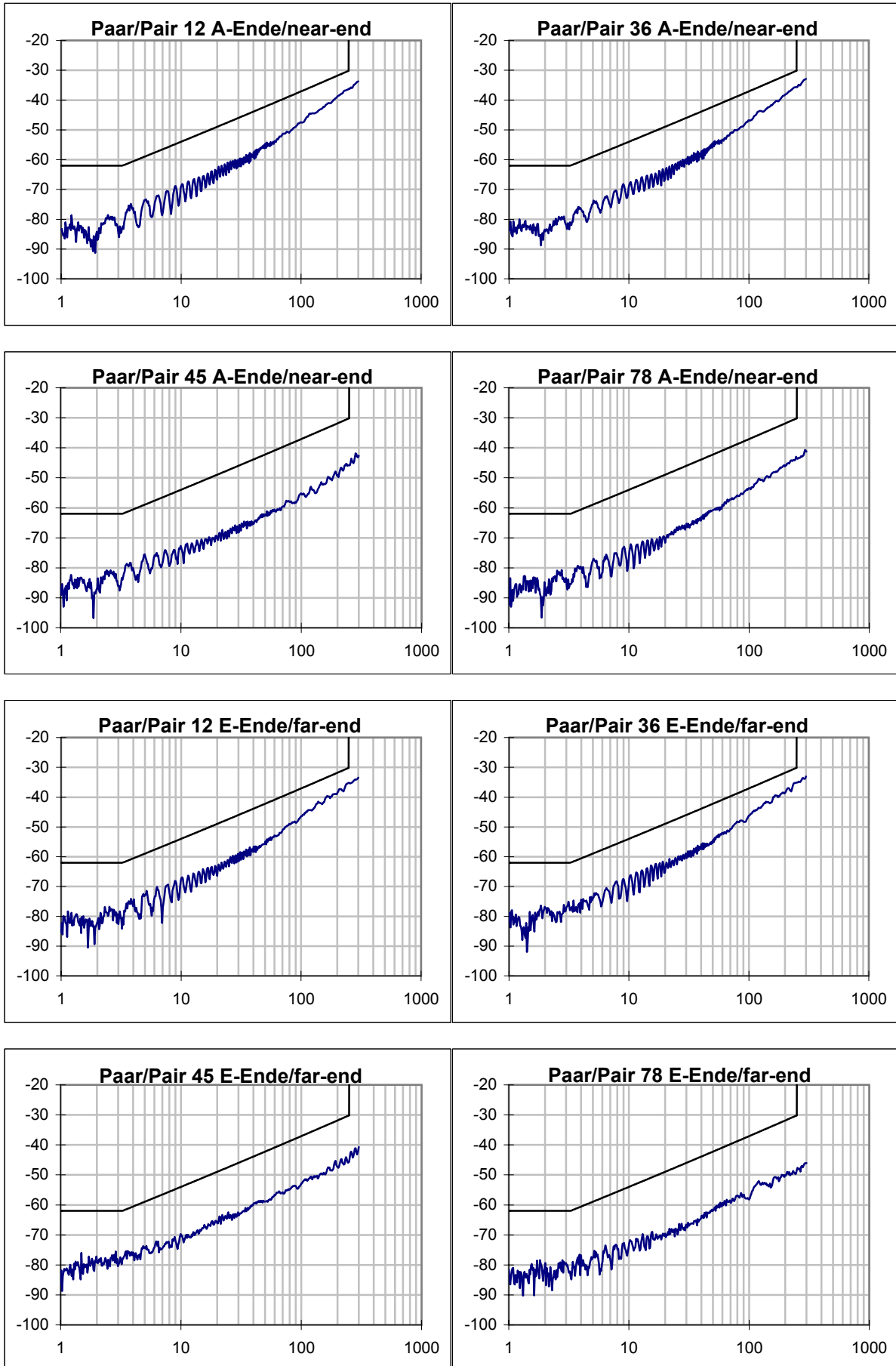
Kombination	12 36	12 45	12 78	36 45	36 78	45 78	Grenzwert
min NEXT-Reserve / dB	2,21	13,34	18,14	12,10	10,73	15,86	
@ f / MHz	249,24	3,51	1,53	235,42	245,71	228,80	
NEXT Grenzw. /dB	33,14	63,96	65,00	33,56	33,24	33,78	
NEXT @ 100 MHz	47,23	56,62	71,96	56,98	59,37	65,04	39,9
NEXT @ 250 MHz	35,35	49,01	59,35	50,56	51,21	52,35	33,1
min ELFEXT-Res. / dB	10,4	10,7	23,2	12,1	12,2	11,6	
@ f / MHz	177,0	1,1	1,1	1,1	1,1	1,2	
ELFEXT Grw. /dB	18,30	62,76	62,14	62,64	62,76	61,65	
ELFEXT @ 100 MHz	56,03	38,56	62,27	39,31	44,25	46,38	23,3
ELFEXT @ 250 MHz	44,57	30,82	50,43	32,94	32,42	30,11	15,3
min ACR-Reserve/ dB	5,4	13,4	18,1	12,8	14,7	15,9	
@ f / MHz	238,8	3,5	1,5	2,0	3,0	2,8	
ACR Grenzw. /dB	-1,6	60,0	62,3	62,0	61,3	61,5	
ACR @ 100 MHz	27,47	36,86	52,20	37,64	40,03	45,62	18,2
ACR @ 250 MHz	3,27	16,93	27,27	19,10	19,76	21,14	-2,8

NEXT / dB

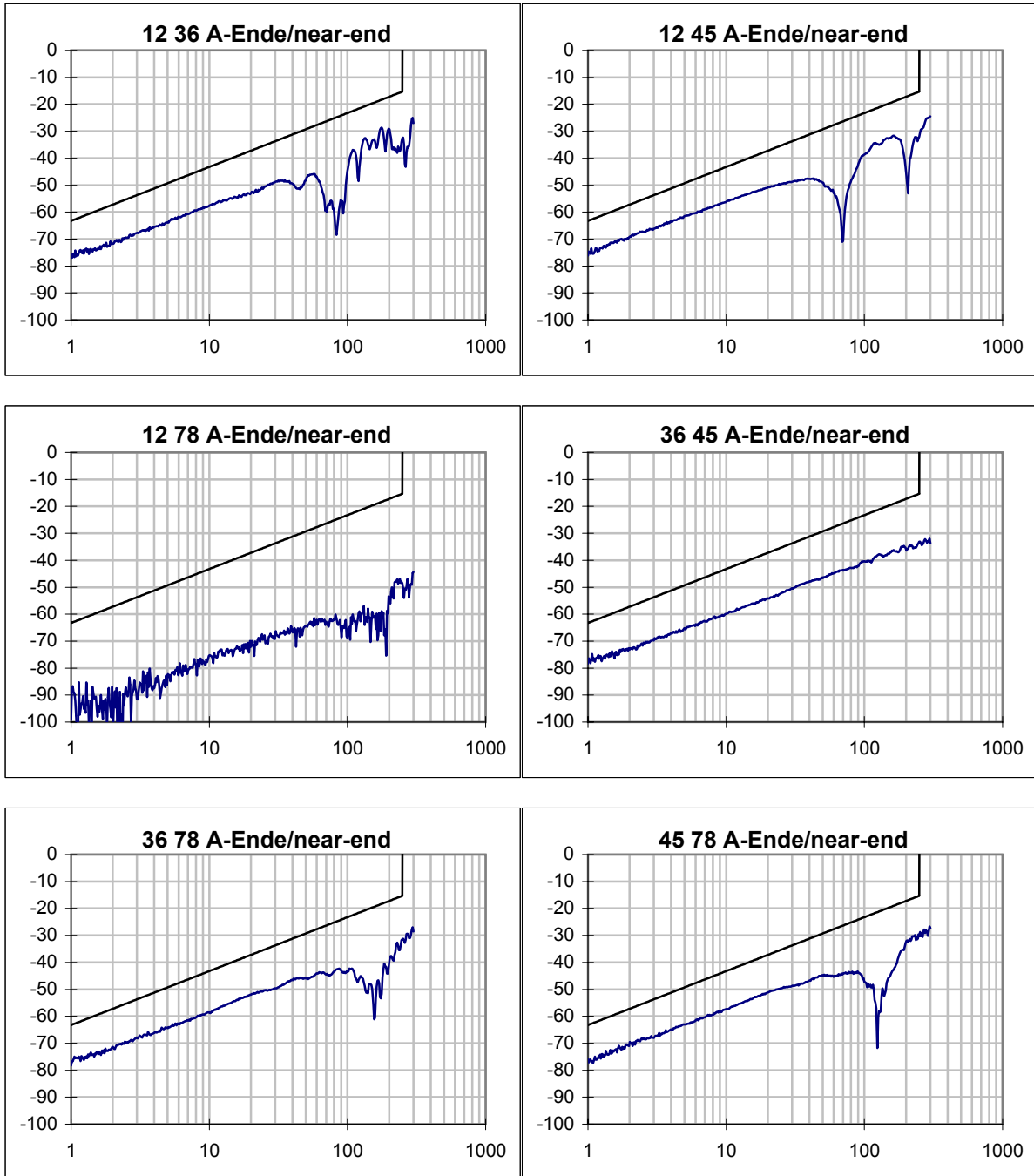


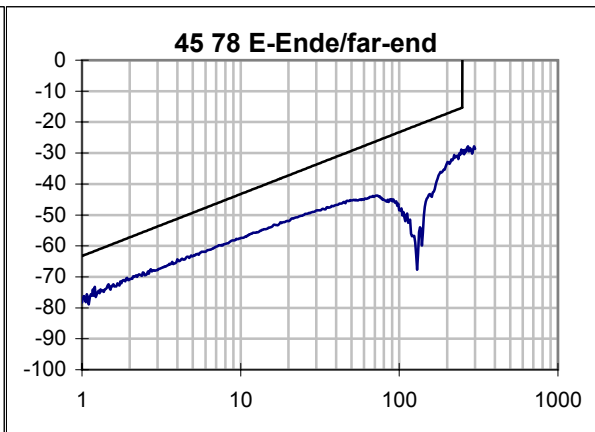
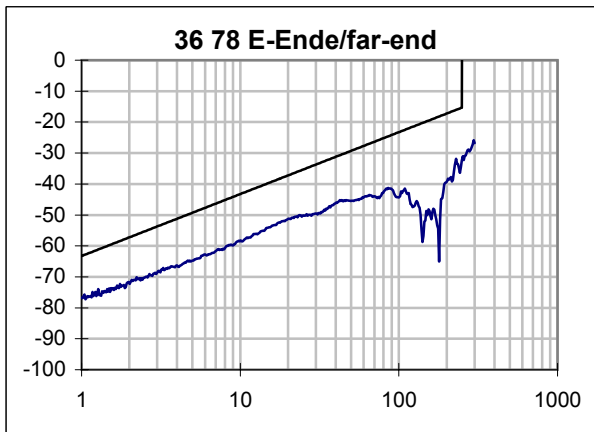
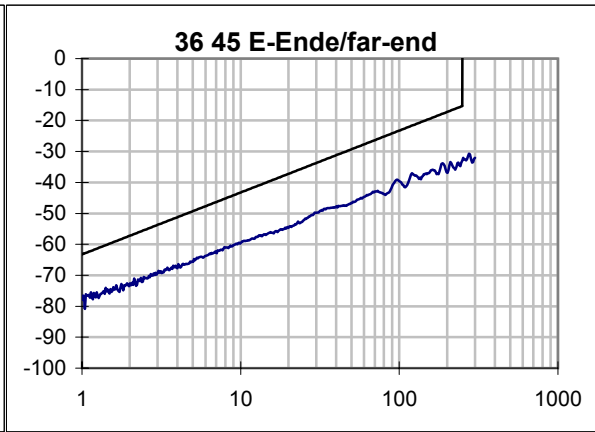
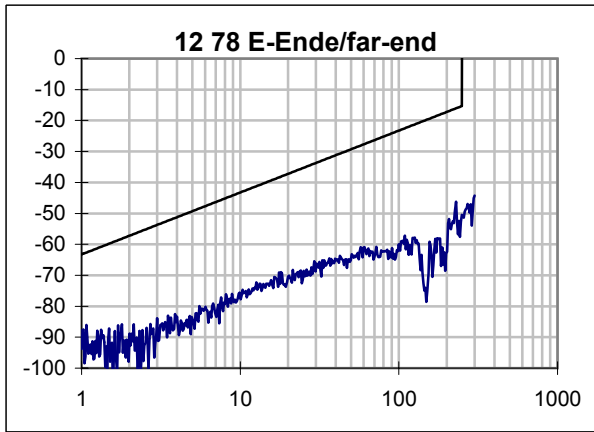
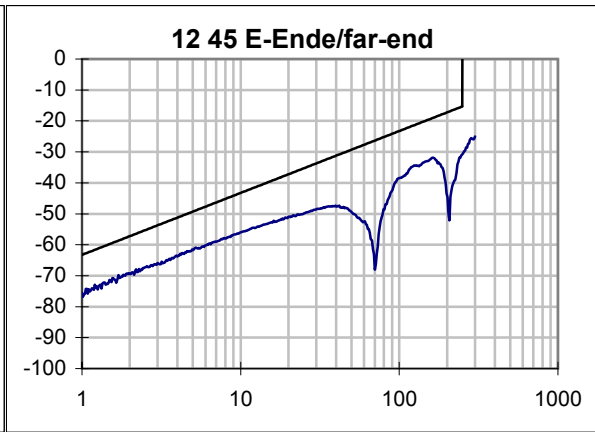
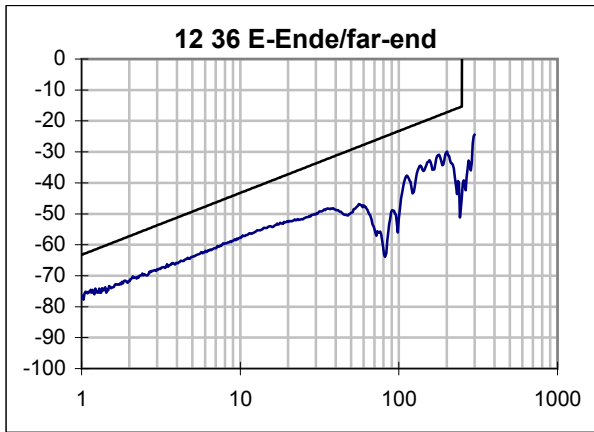


PSNEXT / dB

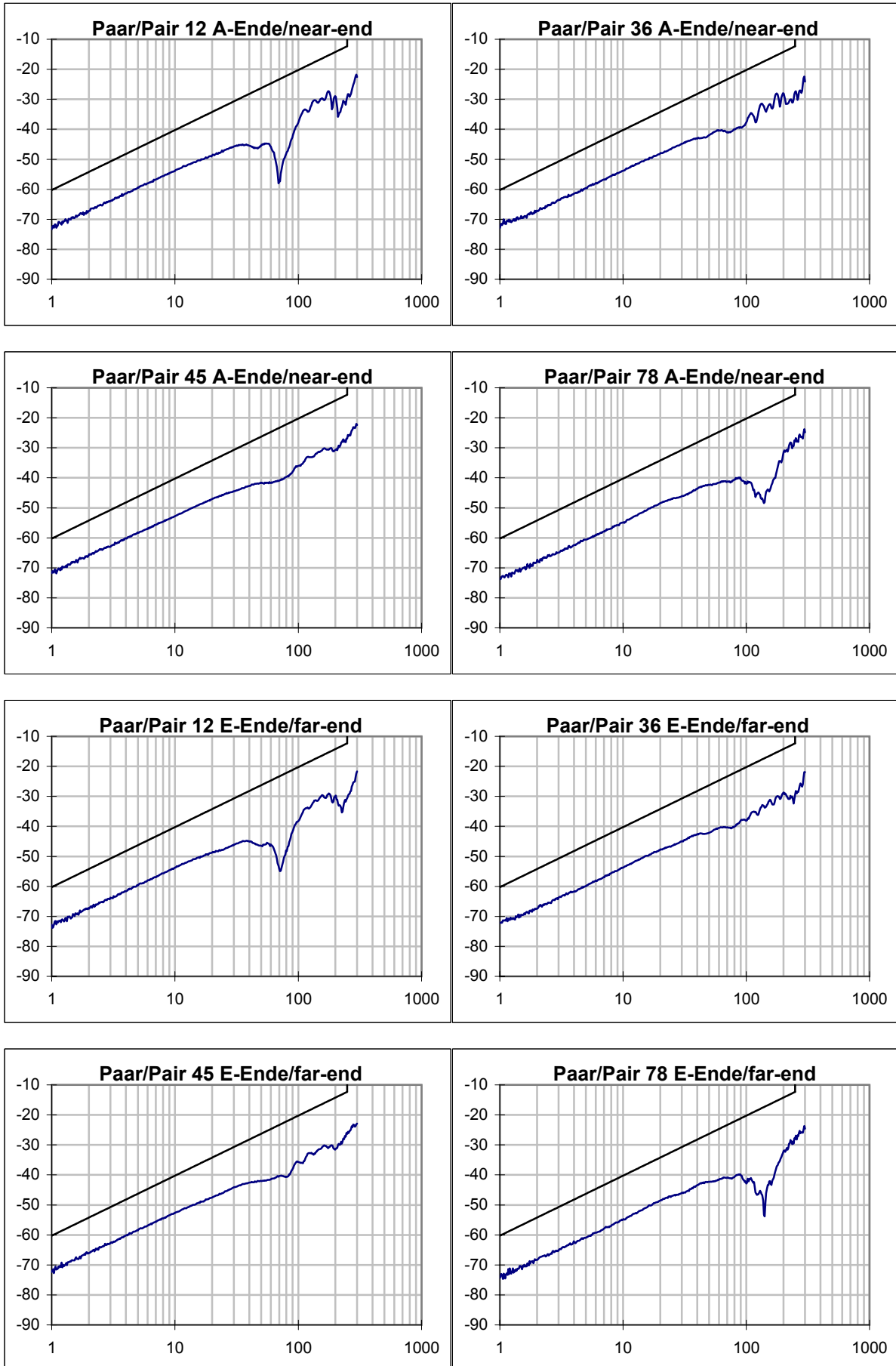


ELFEXT / dB

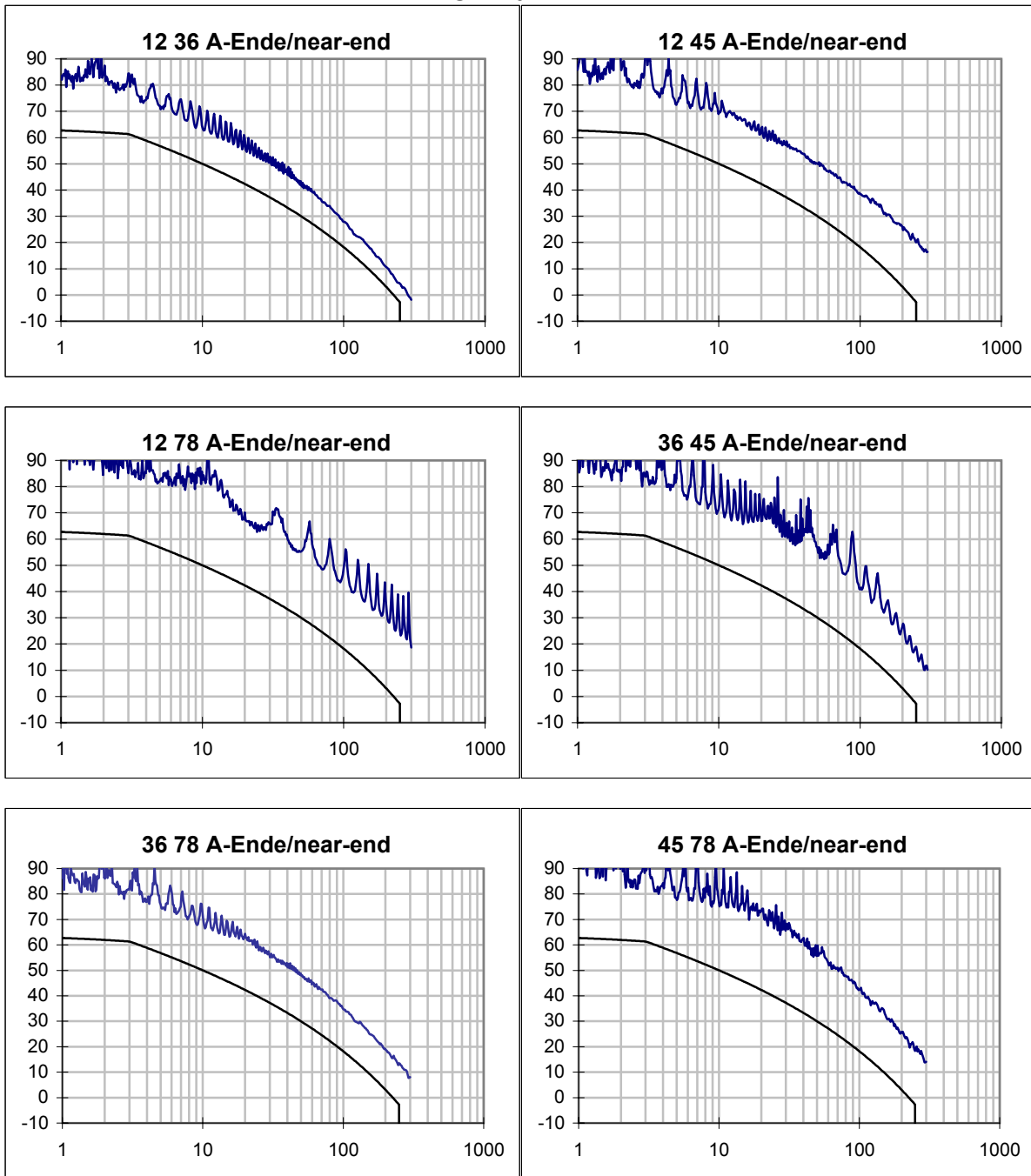


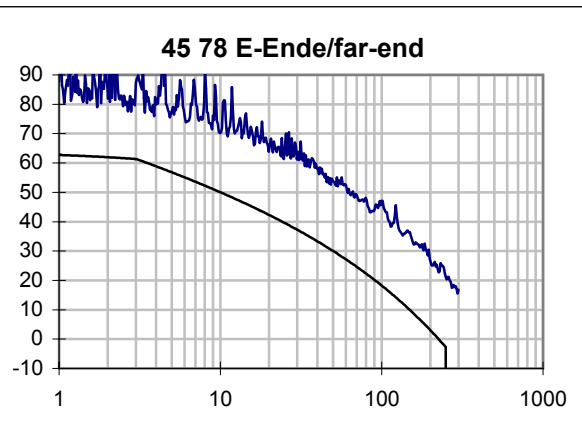
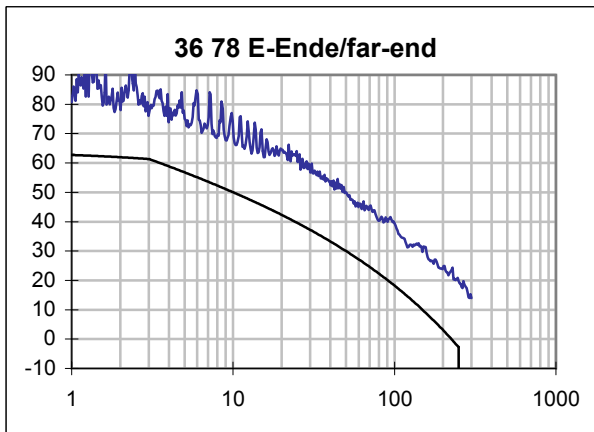
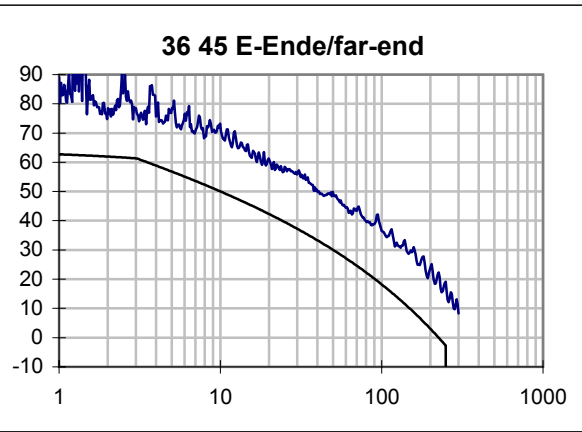
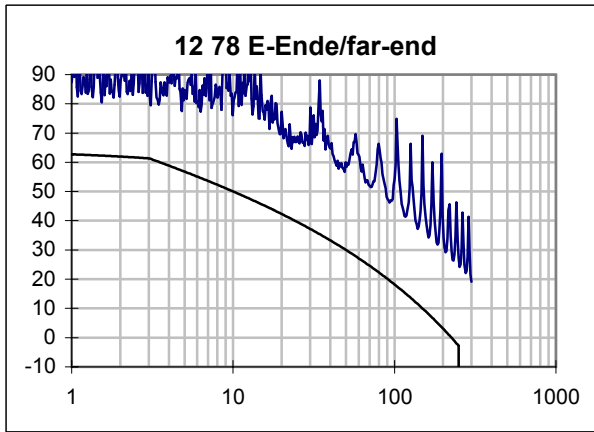
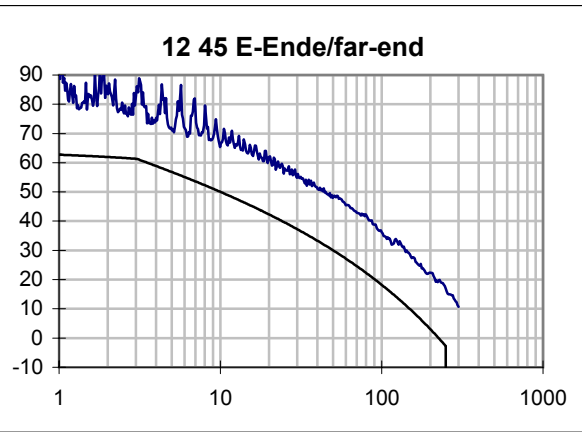
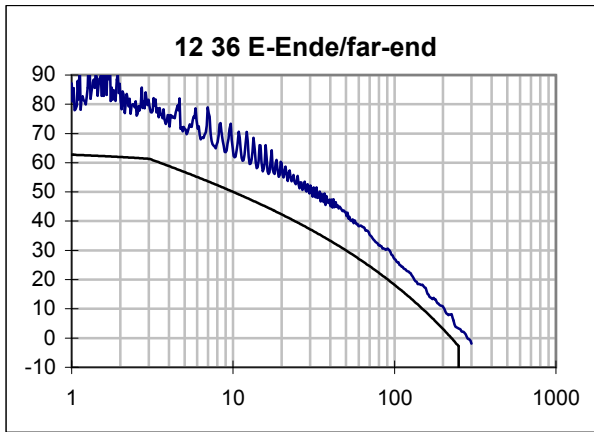


PSELFEXT / dB

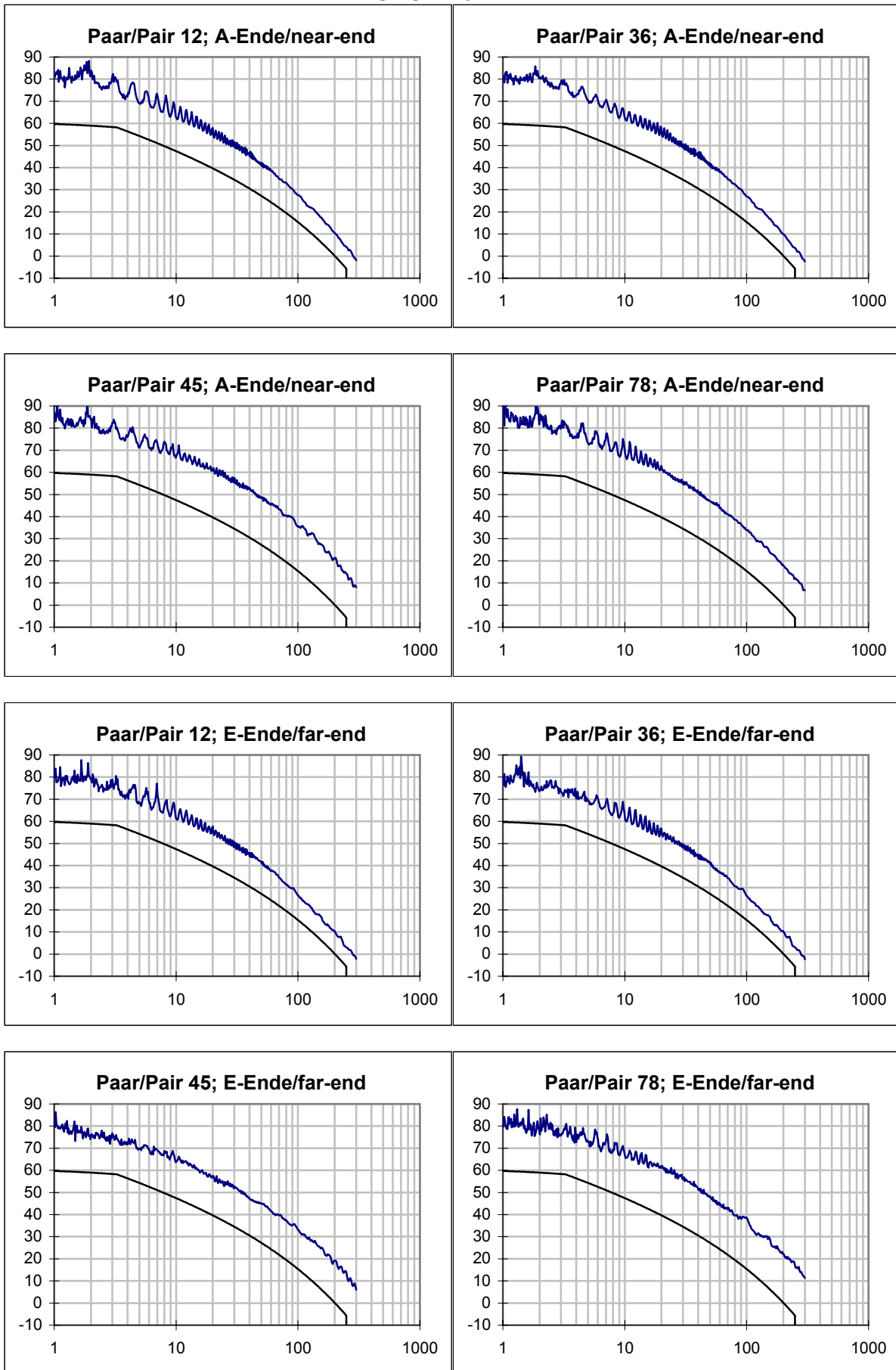


ACR / dB

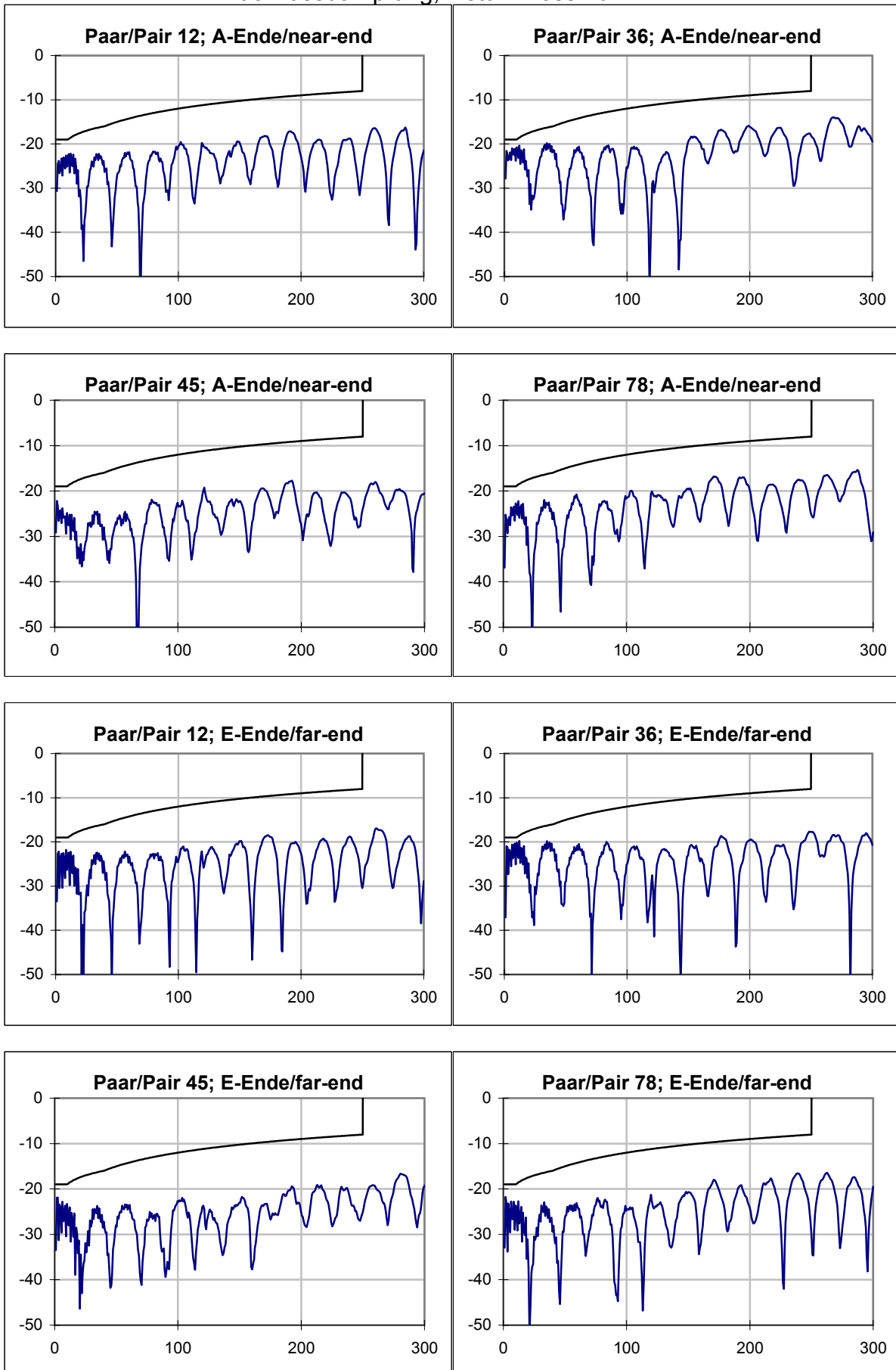




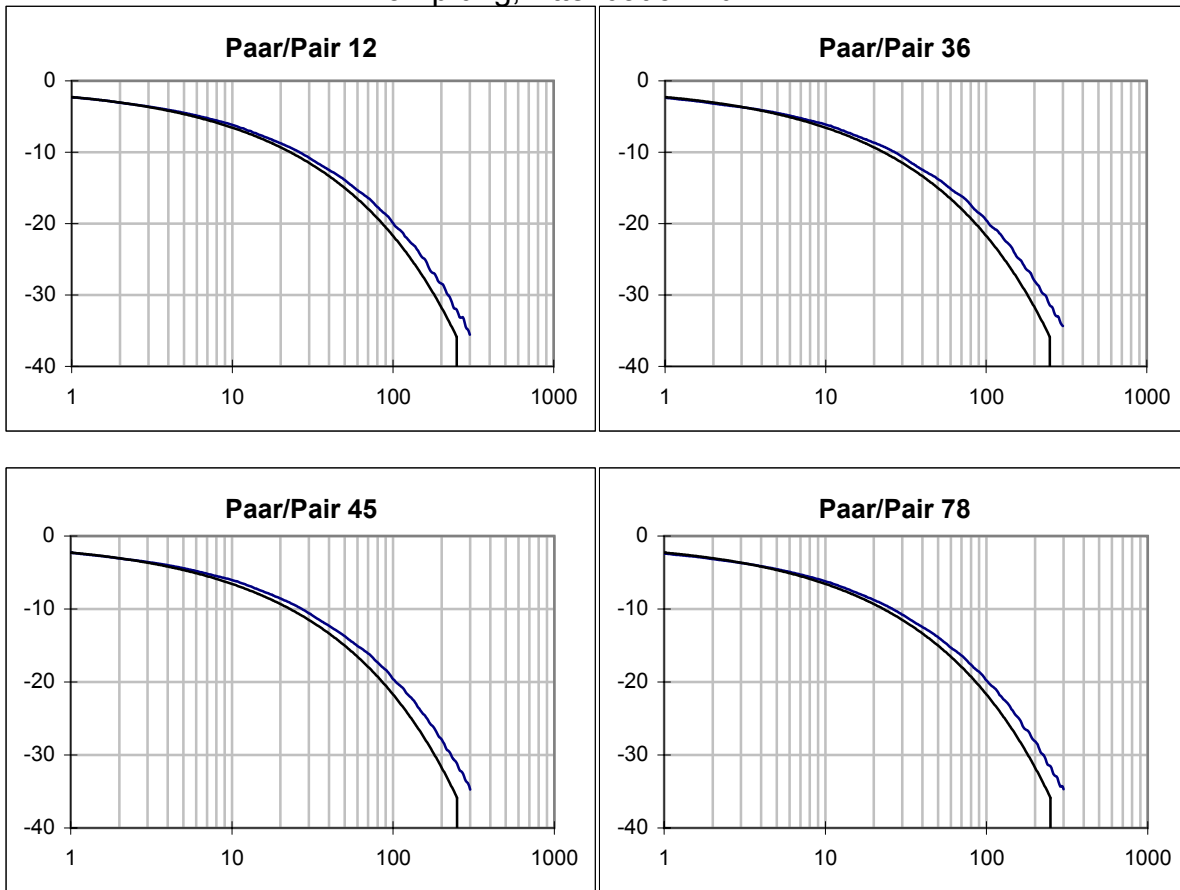
PSACR / dB



Rückflusdämpfung, Return Loss / dB



Dämpfung, Attenuation / dB



Phasen-Laufzeit, Phase-Delay / ns

