

Messprotokoll:
Channel-Messung



Draka Multimedia Cable

Messaufbau:

Patch-Kabel A-Ende: **5 m UC600 SS27 4P (AMP-Stecker)**
Komponente A-Ende: **R&M Cat.6 Anschlußmodul**
Tertiärkabel: **90 m UC1200 SS23/1 4P**
Komponente E-Ende: **R&M Cat.6 Anschlußmodul**
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: 04.02.2002
Prüfer: Dr. C. Pfeiler

Prüflabor: Draka Multimedia Cable
Wohlauer Str. 15
90475 Nürnberg

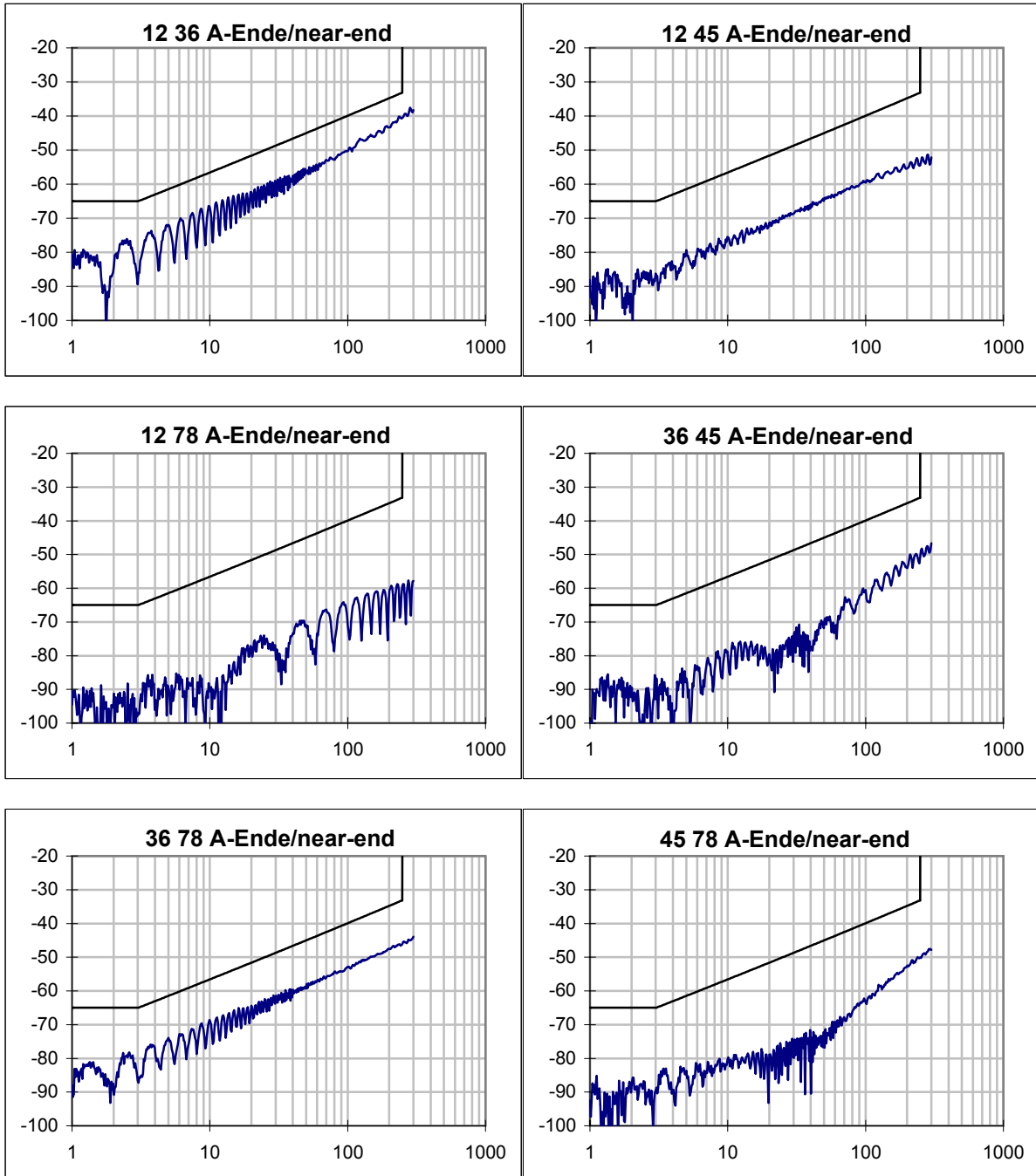
gepr. 

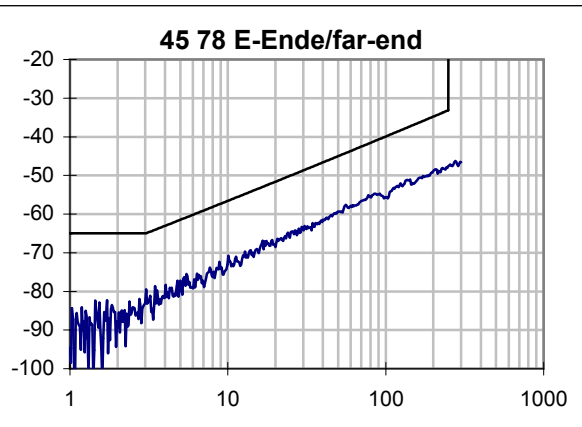
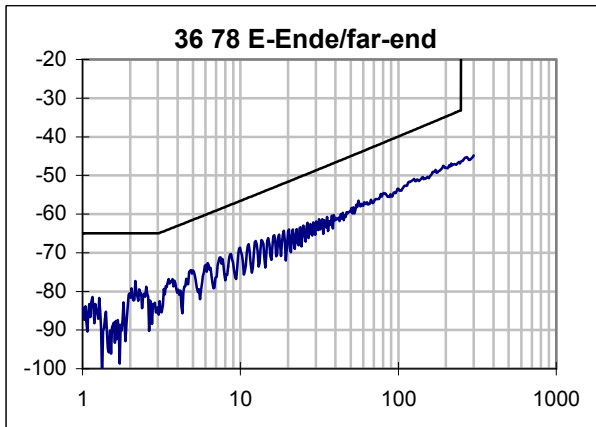
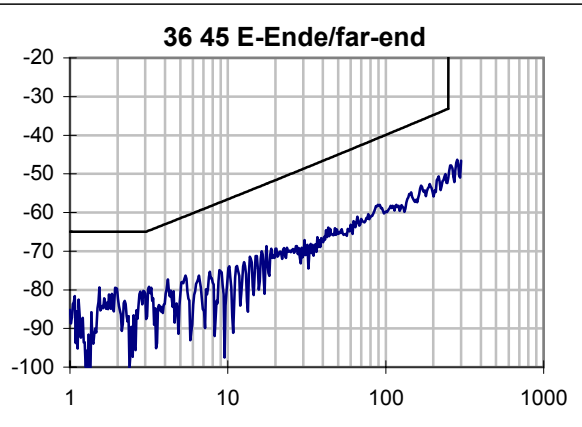
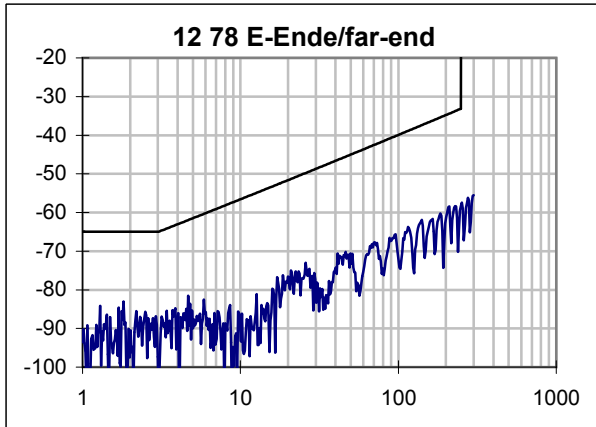
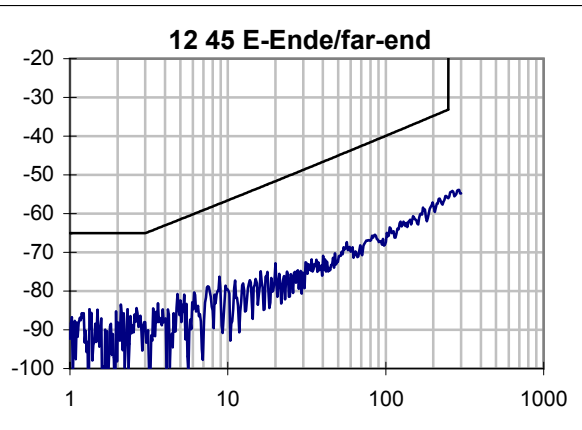
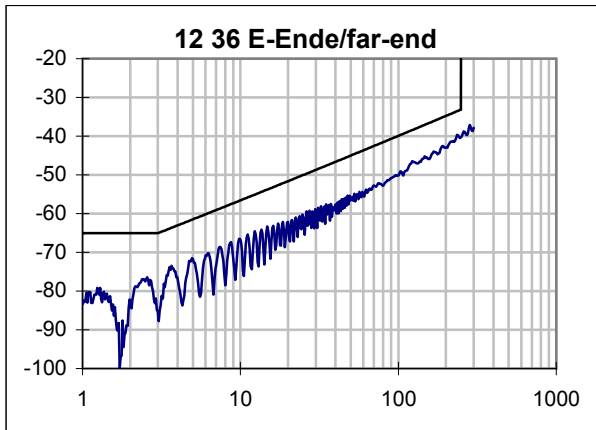
Übersicht Ergebnisse:

Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	477,5	465,1	462,8	469,3		14,7	50
Dämpfung @ 100MHz/dB	19,79	19,59	19,67	19,65	21,7		
Dämpfung @ 250MHz/dB	32,35	31,67	31,76	32,15	35,9		
min PSNEXT-Res. / dB	8,92	8,02	14,47	12,61			
@ f / MHz	235,42	235,42	5,46	55,77			
PSNEXT Gr. / dB	30,61	30,61	58,33	41,43			
PSNEXT @ 100 MHz	50,08	48,22	54,08	51,32	37,1		
PSNEXT @ 250 MHz	40,15	39,08	45,57	43,79	30,2		
min PSELFEXT-Res. / dB	15,28	10,96	12,10	20,20			
@ f / MHz	155,69	1,00	1,00	1,01			
PSELFEXT Gr. / dB	16,41	60,26	60,26	60,13			
PSELFEXT @ 100 MHz	41,90	36,79	37,98	48,49	20,3		
PSELFEXT @ 250 MHz	28,35	27,30	32,87	37,21	12,3		
min PSACR-Reserve / dB	11,9	10,4	14,7	13,4			
@ f / MHz	8,6	12,3	5,5	4,8			
PSACR Grenz. / dB	49,0	45,2	53,5	54,7			
PSACR @ 100 MHz	30,29	28,50	34,43	31,70	15,4		
PSACR @ 250 MHz	7,80	6,89	13,78	12,06	-5,8		
min RL-Reserve / dB	5,3	4,3	8,3	5,4			
@ f / MHz	37,6	38,4	60,8	36,9			
RL Grenzwert / dB	16,1	16,1	14,2	16,2			

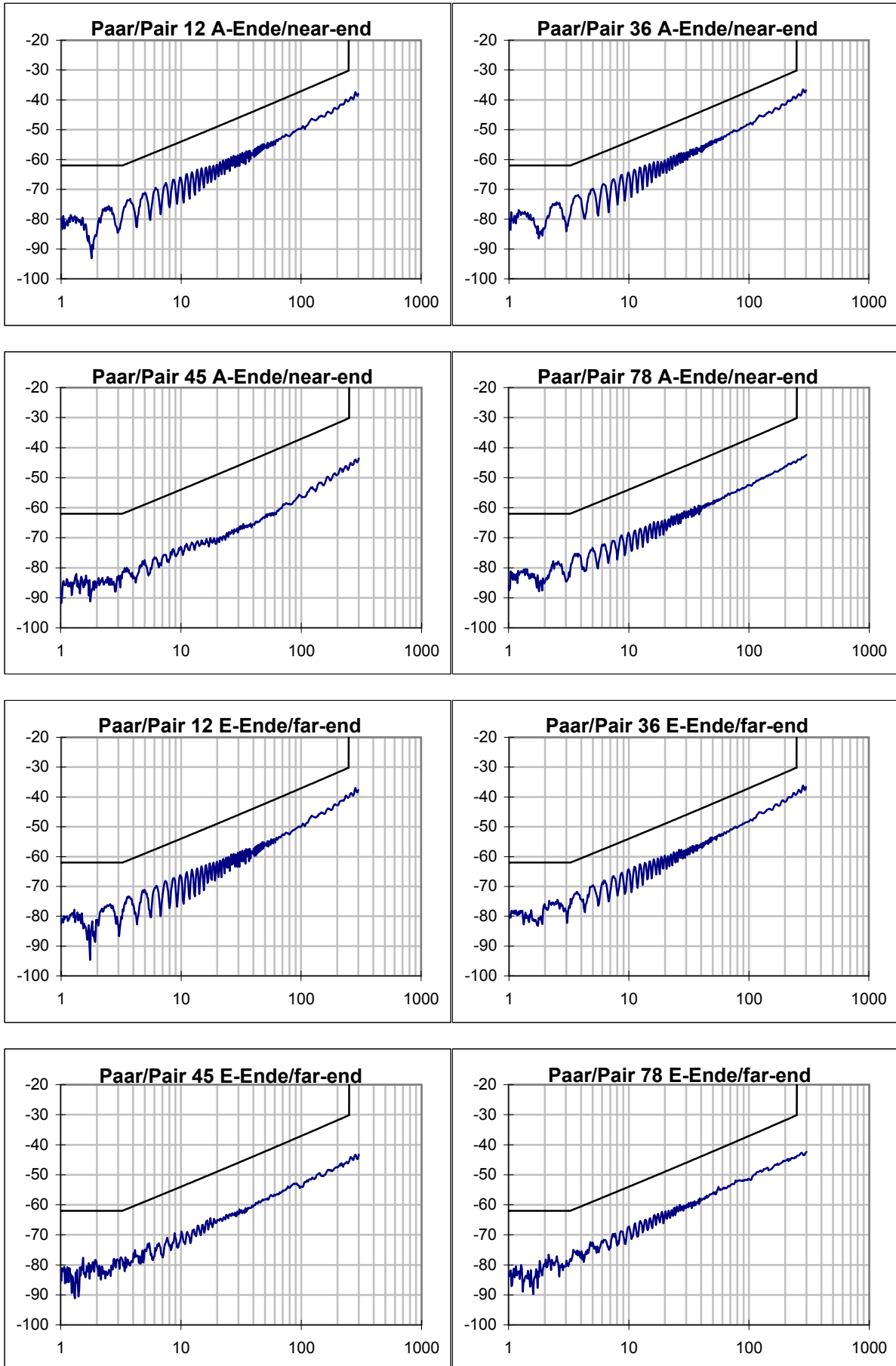
Kombination	12 36	12 45	12 78	36 45	36 78	45 78	Grenzwert
min NEXT-Reserve / dB	6,08	17,87	18,03	14,34	11,84	13,30	
@ f / MHz	235,42	5,01	1,82	1,53	16,13	77,41	
NEXT Grenzw. /dB	33,56	61,46	65,00	65,00	53,17	41,81	
NEXT @ 100 MHz	50,20	68,00	70,13	60,04	53,44	55,59	39,9
NEXT @ 250 MHz	40,33	56,01	58,36	51,04	46,38	47,61	33,1
min ELFEXT-Res. / dB	12,3	24,0	22,6	9,1	18,8	21,9	
@ f / MHz	155,7	1,5	1,2	1,0	1,0	1,0	
ELFEXT Grw. /dB	19,41	59,79	61,52	63,26	63,13	62,89	
ELFEXT @ 100 MHz	42,07	58,91	59,23	38,36	59,44	49,27	23,3
ELFEXT @ 250 MHz	28,39	52,01	50,11	34,29	43,68	38,61	15,3
min ACR-Reserve/ dB	9,8	18,0	18,0	14,4	12,3	14,4	
@ f / MHz	12,3	5,0	1,8	1,5	16,1	16,6	
ACR Grenzw. /dB	47,8	56,8	62,1	62,3	44,8	44,5	
ACR @ 100 MHz	30,41	48,21	50,34	40,45	33,85	35,93	18,2
ACR @ 250 MHz	7,98	23,66	26,01	19,38	14,72	15,85	-2,8

NEXT / dB

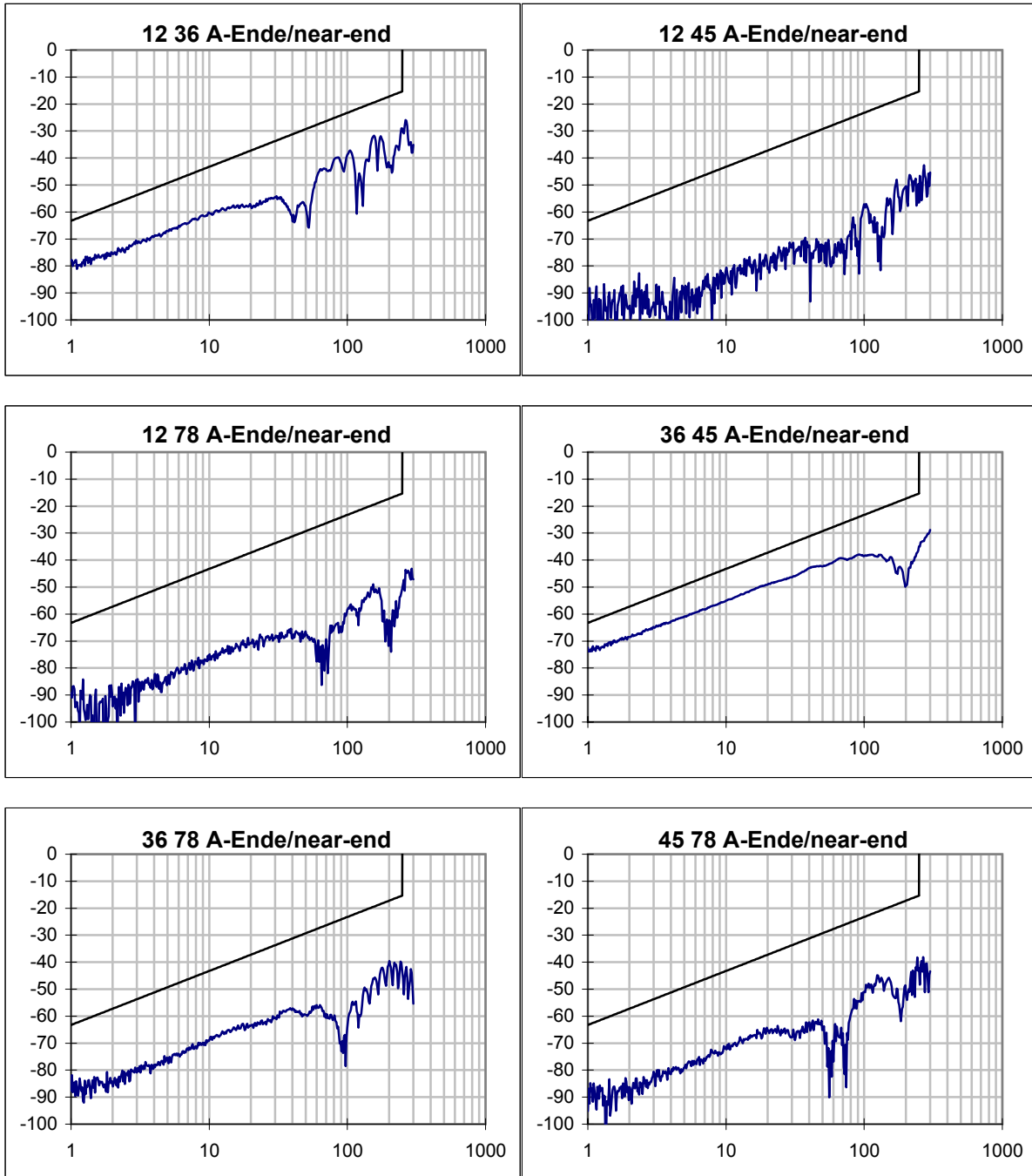


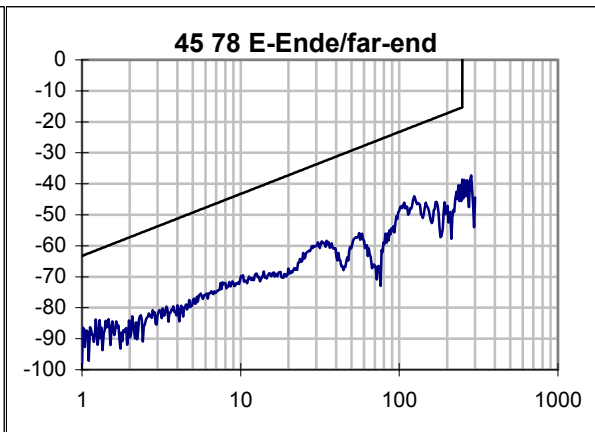
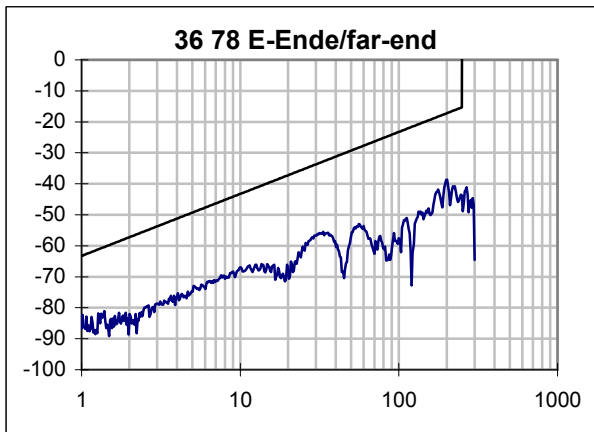
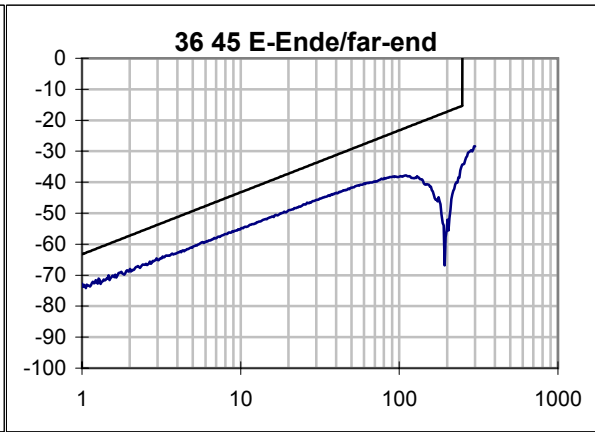
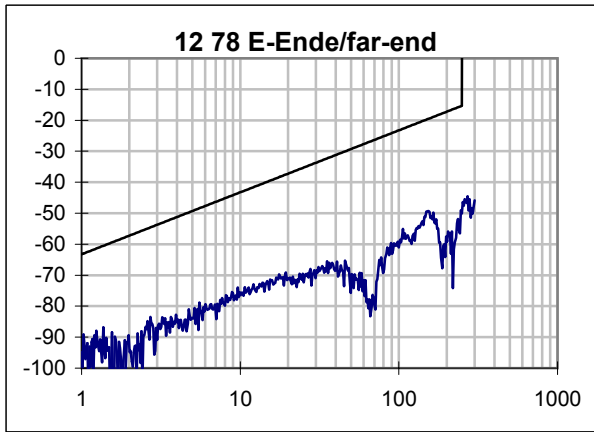
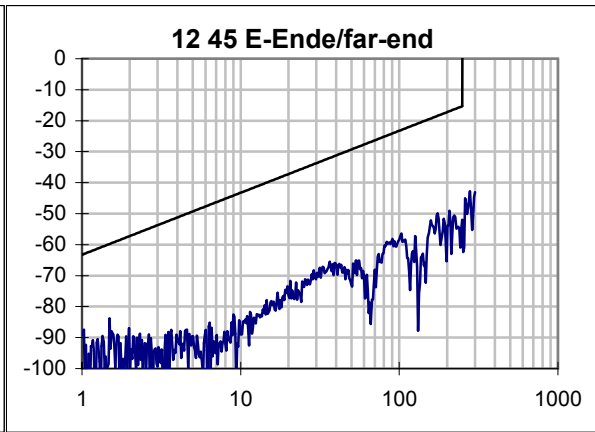
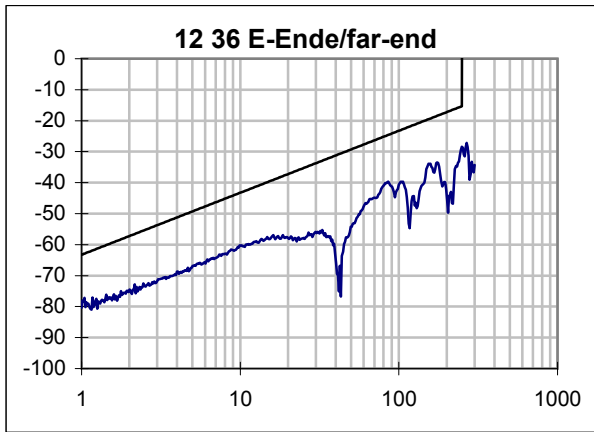


PSNEXT / dB

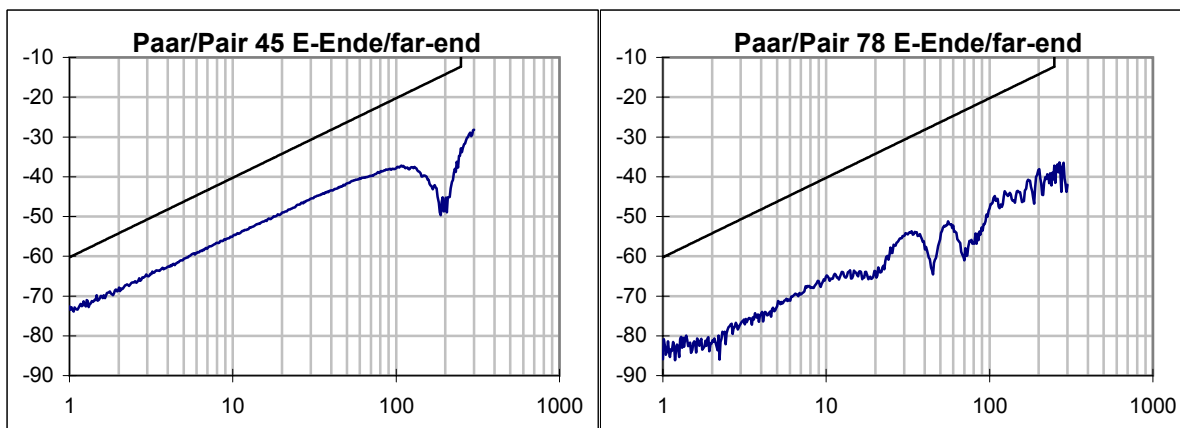
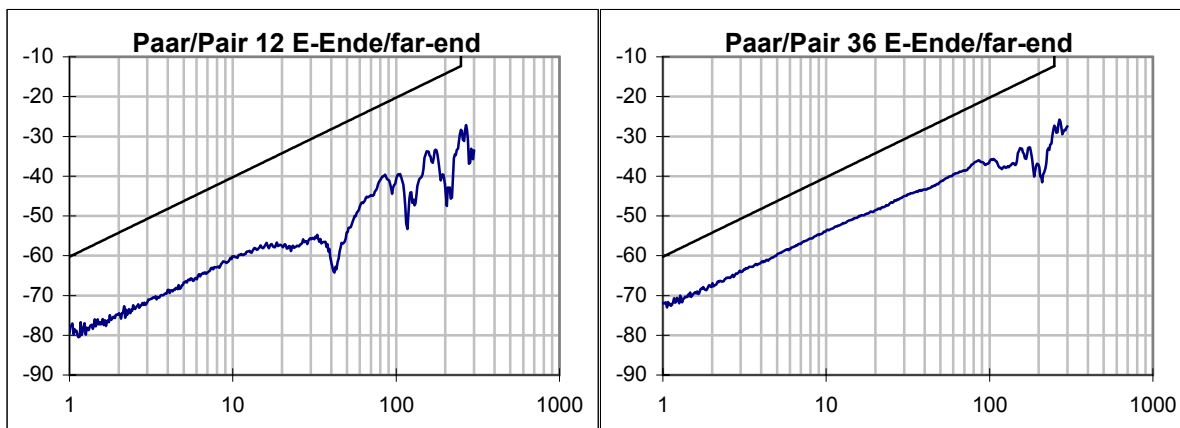
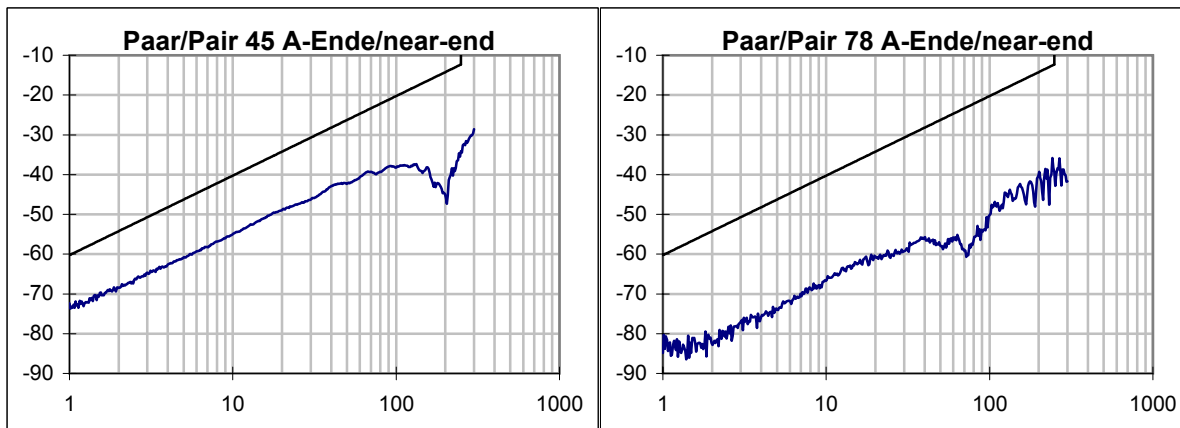
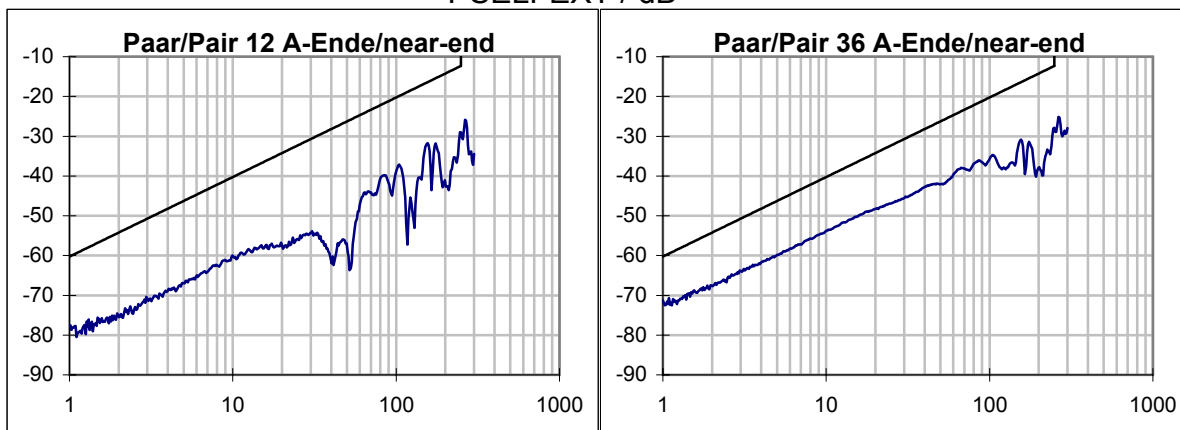


ELFEXT / dB

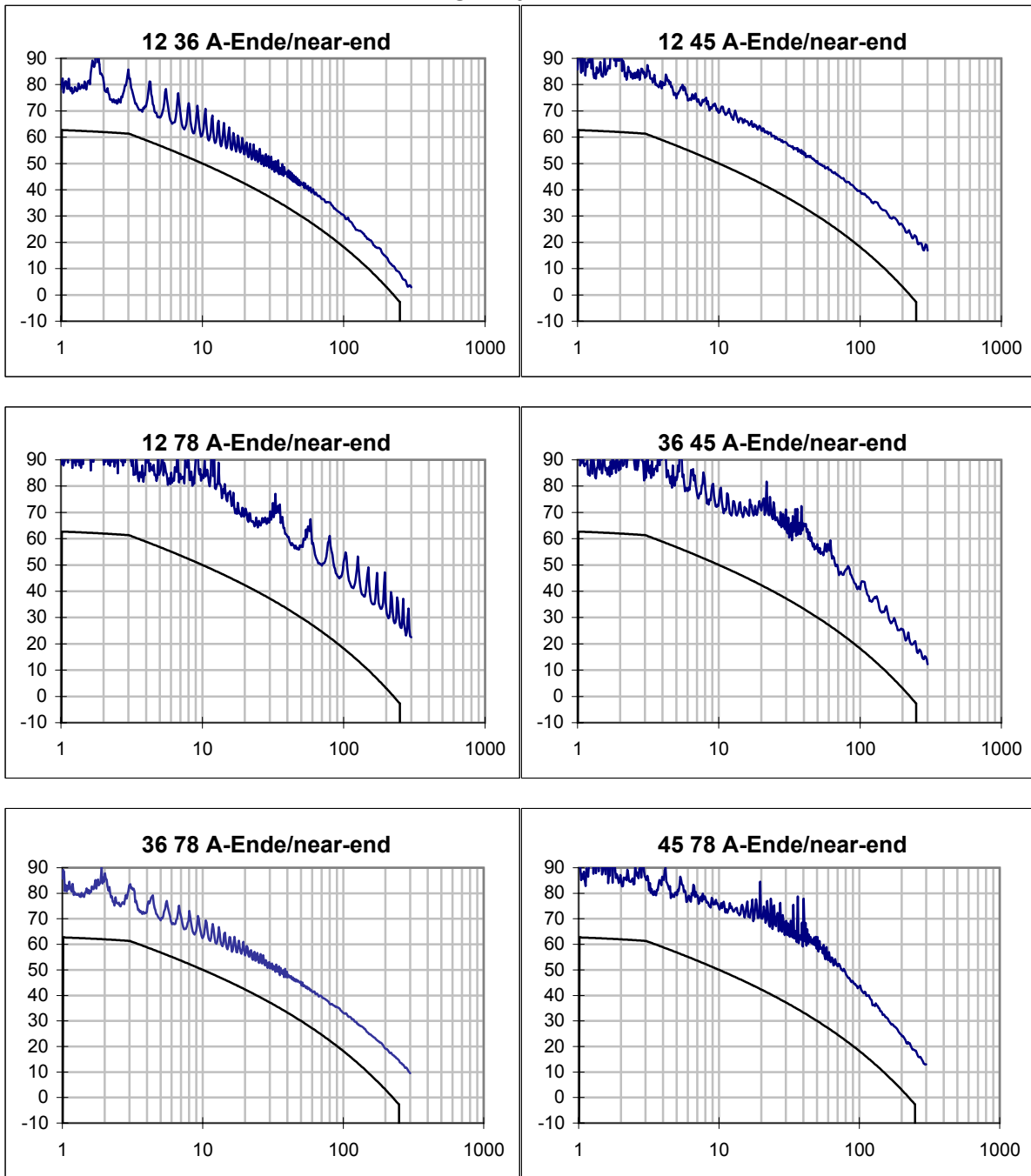


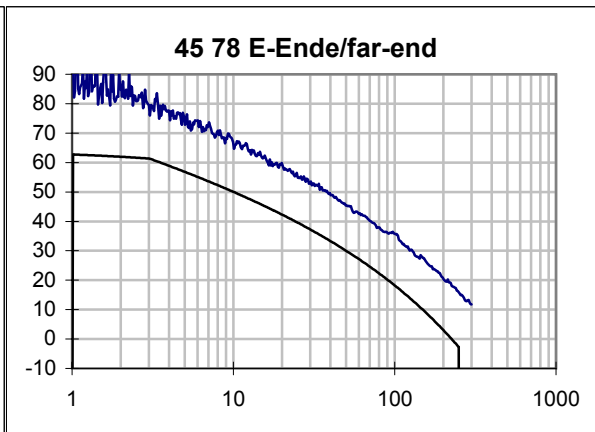
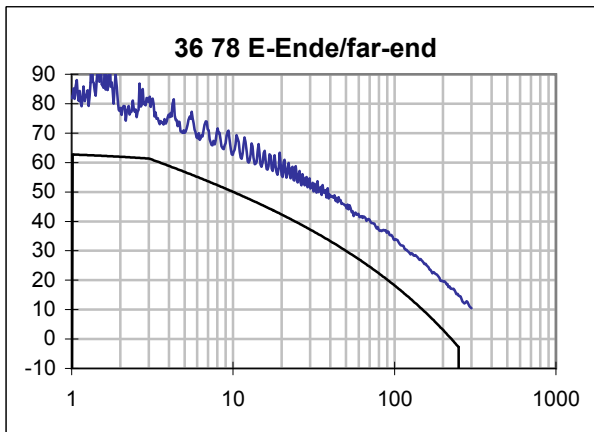
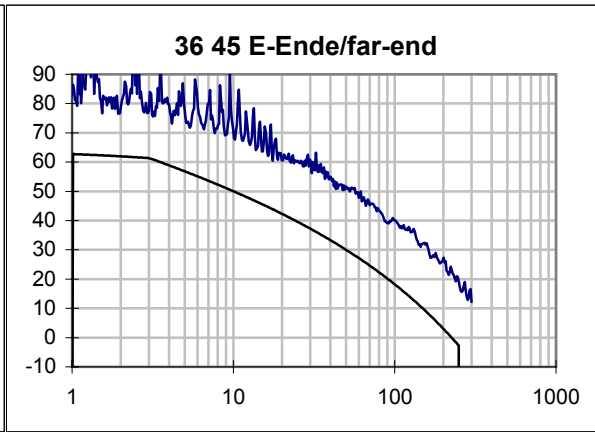
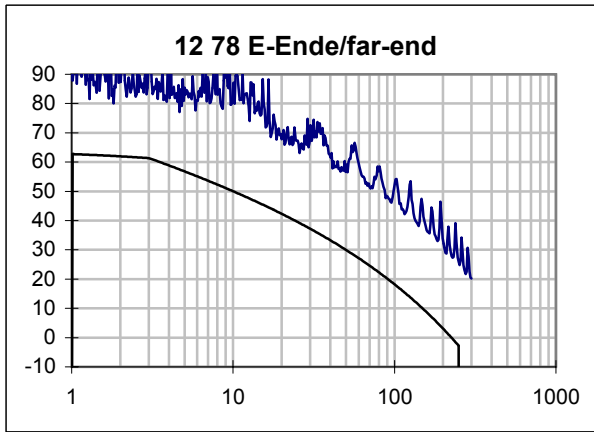
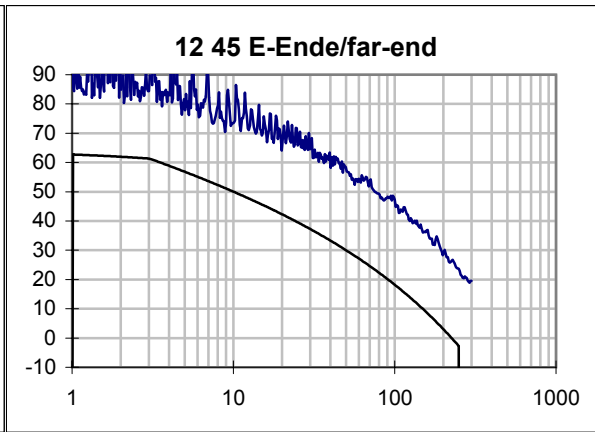
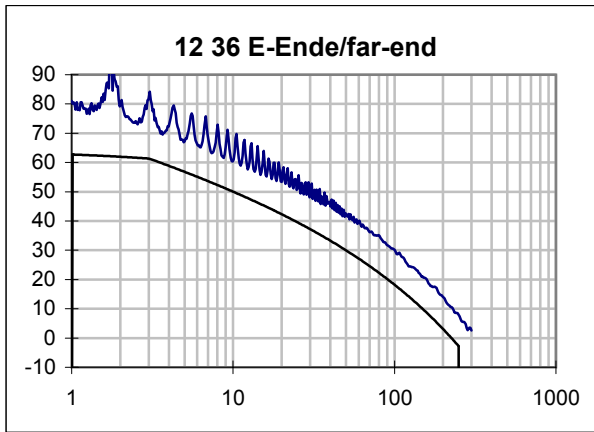


PSELFEXT / dB

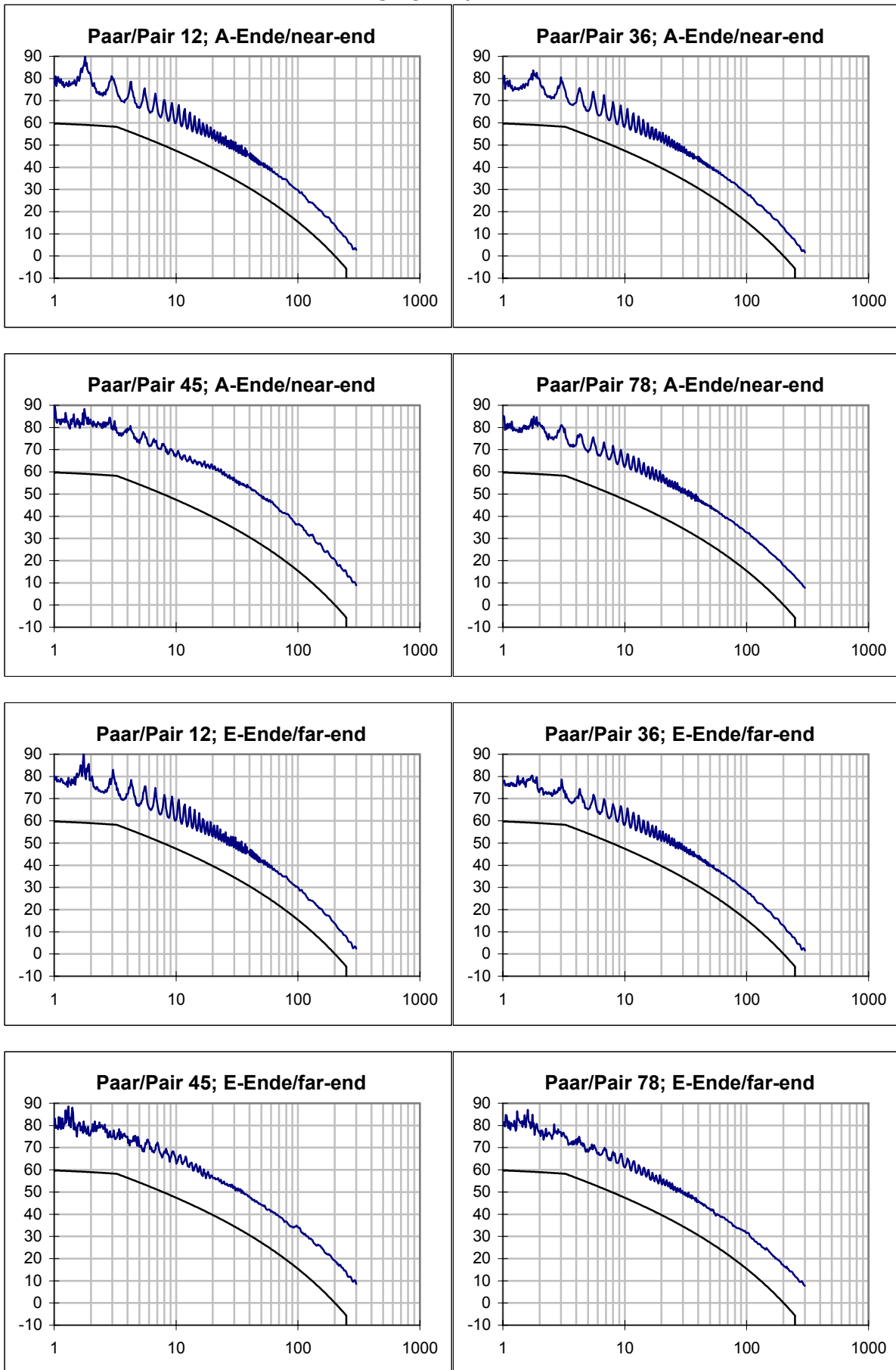


ACR / dB

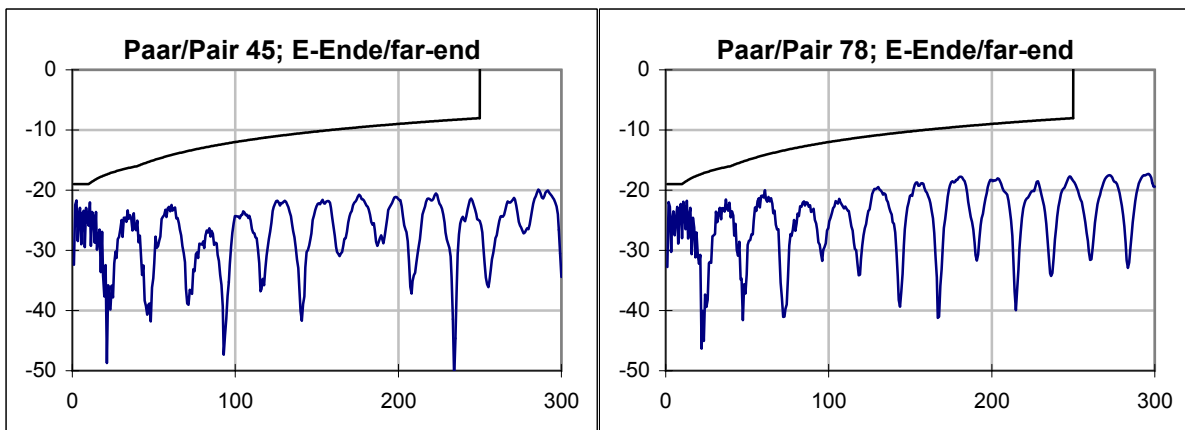
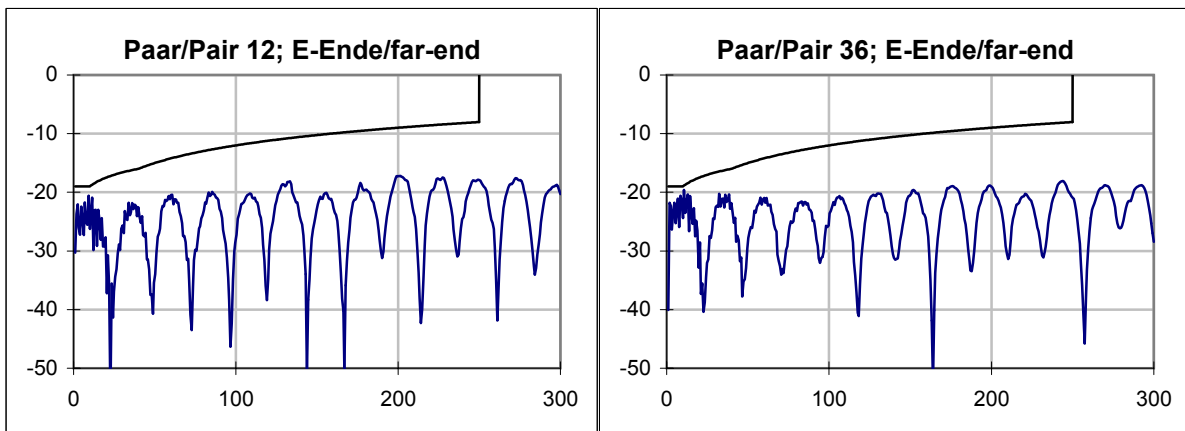
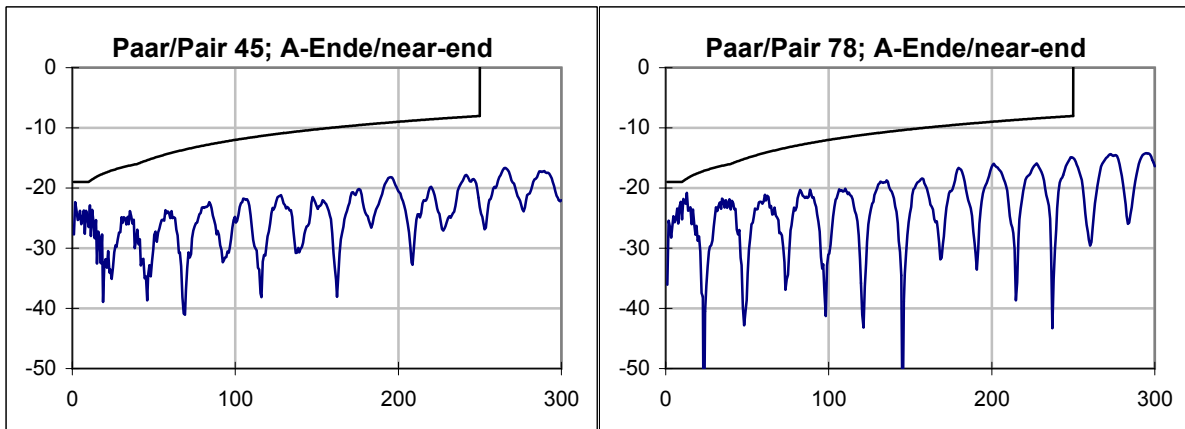
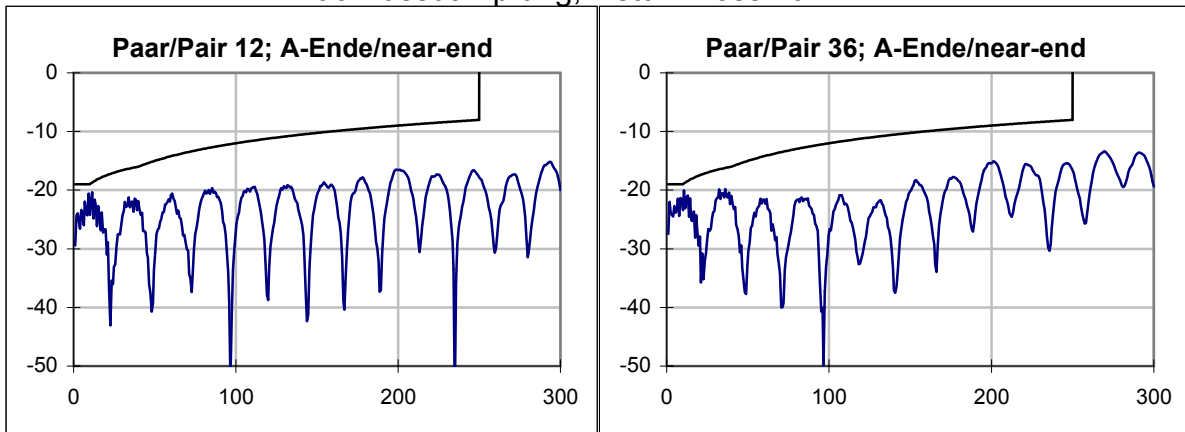




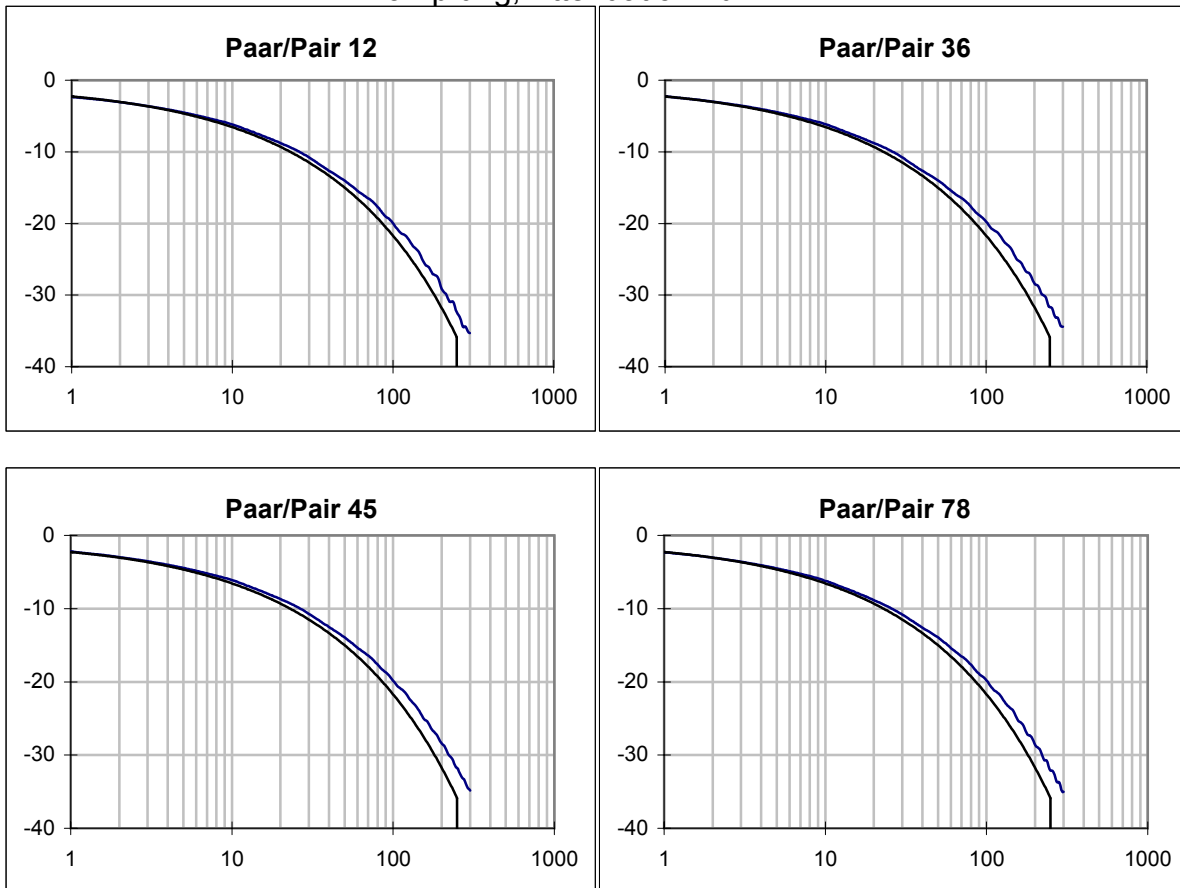
PSACR / dB



Rückflusdämpfung, Return Loss / dB



Dämpfung, Attenuation / dB



Phasen-Laufzeit, Phase-Delay / ns

