

**Messprotokoll:**  
**Channel-Messung**



# Draka Multimedia Cable

**Messaufbau:**

Patch-Kabel A-Ende: **5 m UC600 SS27 4P (Stewart High Speed-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 UC600 SS27 4P (Stewart High Speed-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: 12.07.2002  
 Prüfer: Dr. C. Pfeiler

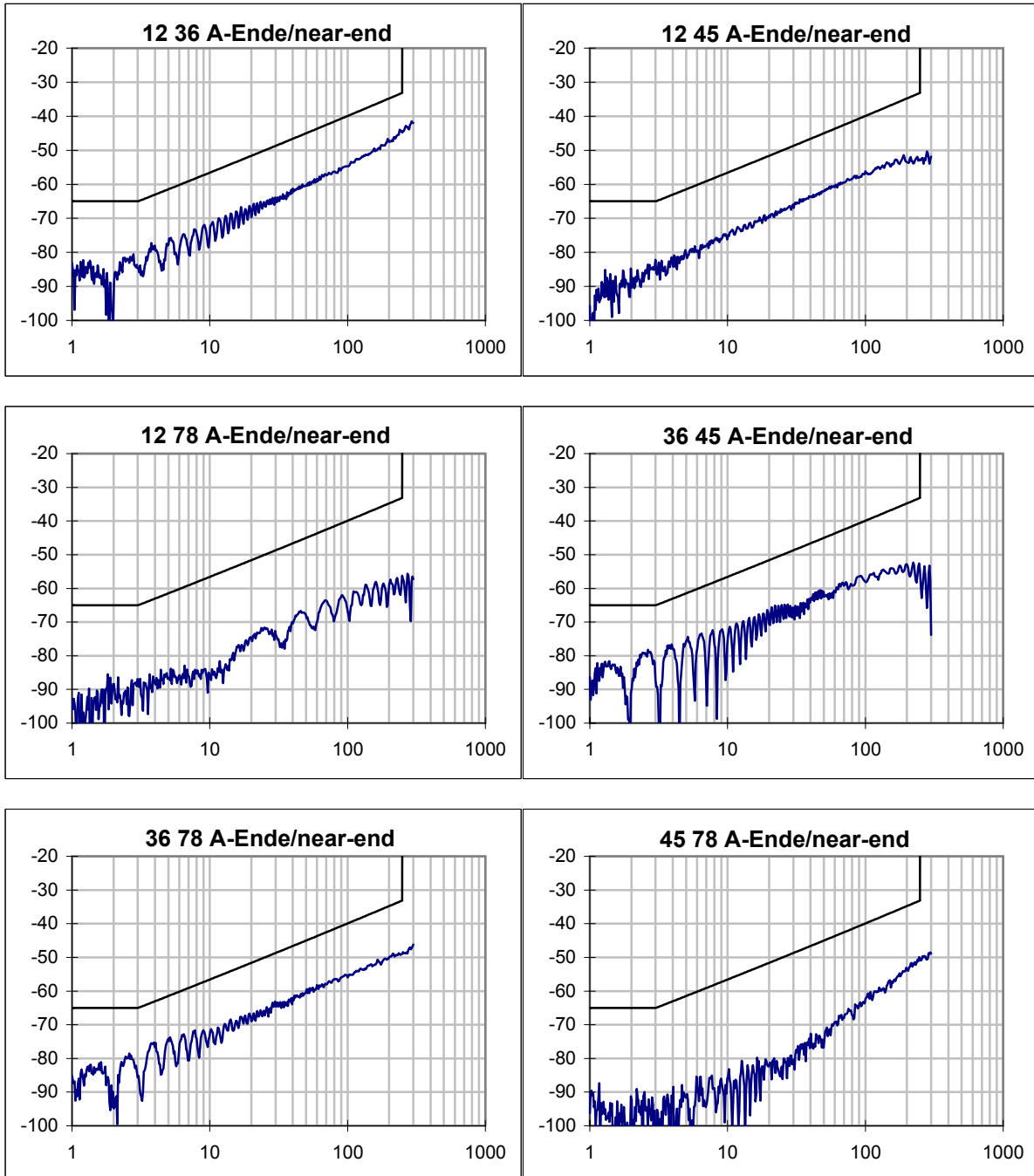
Prüflabor: Draka Multimedia Cable  
 Wohlaue Str. 15  
 90475 Nürnberg

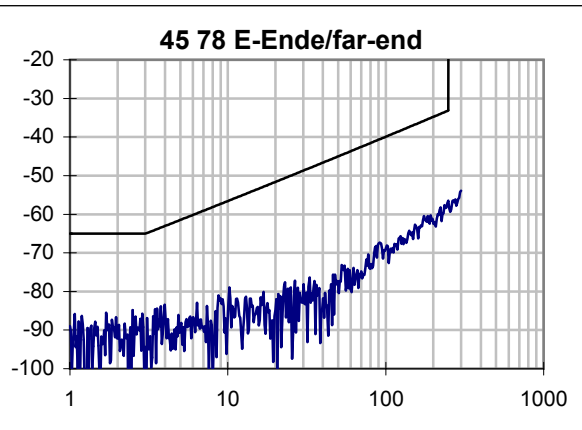
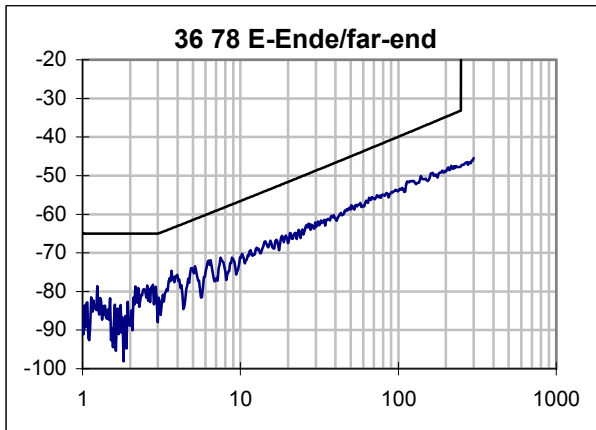
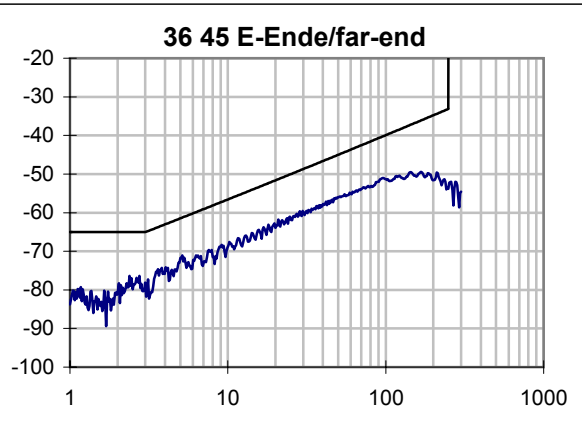
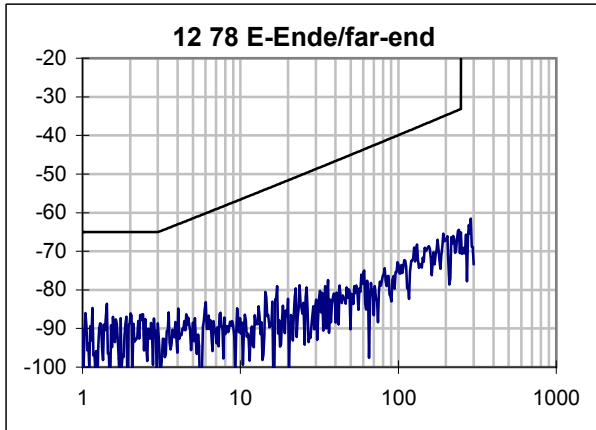
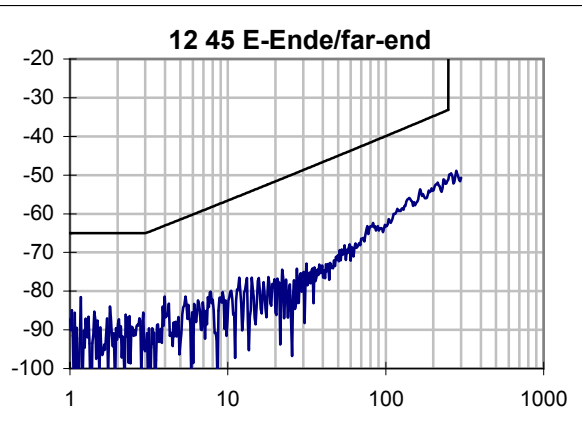
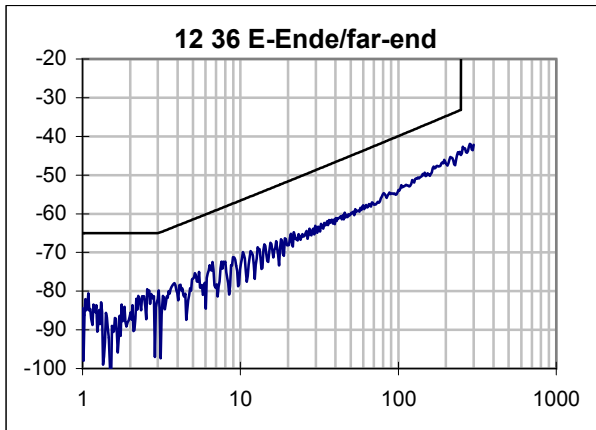
gepr. 

**Übersicht Ergebnisse:**

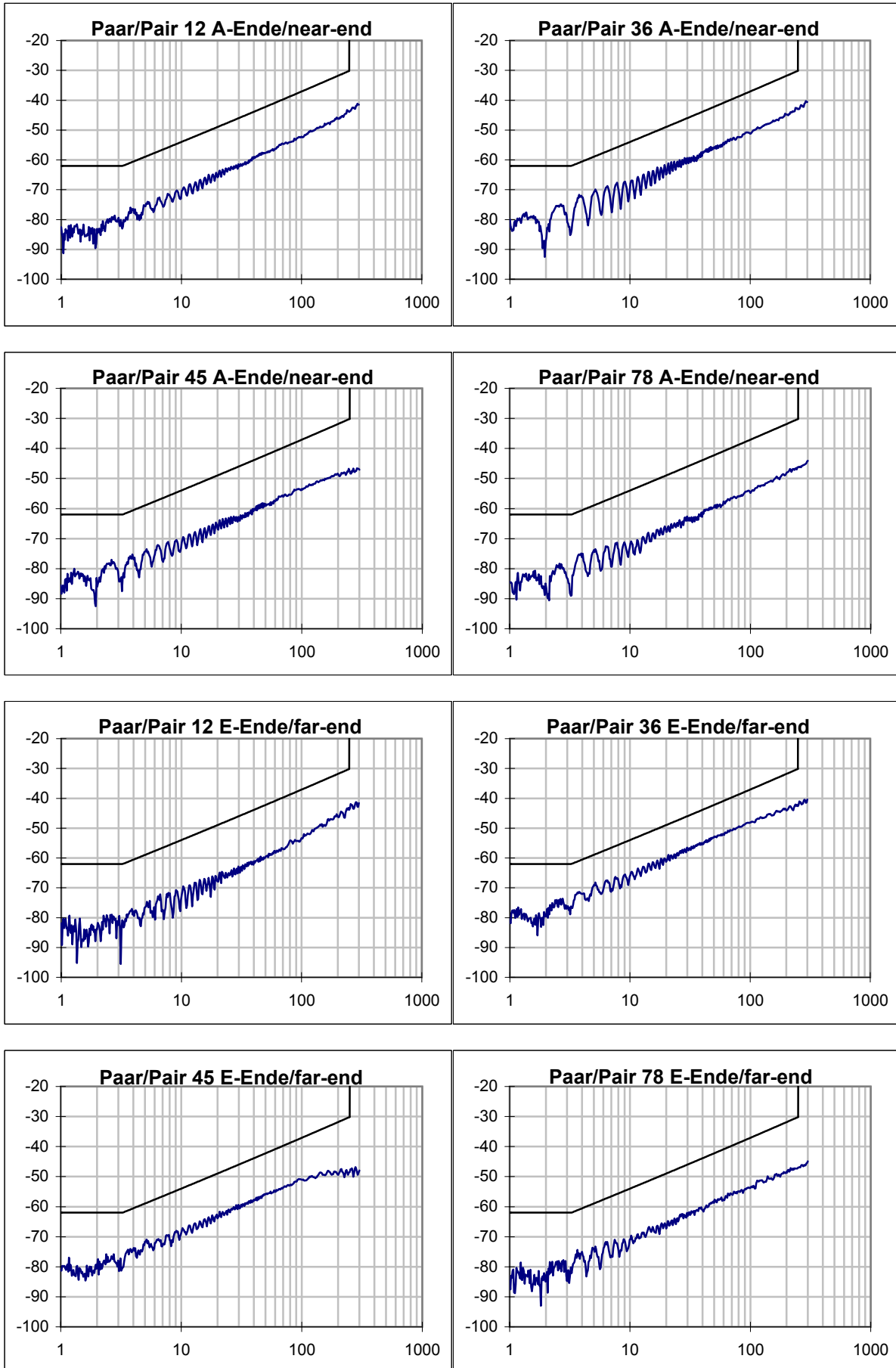
Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	450,3	460,3	452,1	451,4		10,0	50
Dämpfung @ 100MHz/dB	19,41	19,71	19,35	19,09	21,7		
Dämpfung @ 250MHz/dB	31,49	31,91	31,26	30,79	35,9		
min PSNEXT-Res. / dB	12,75	9,45	12,20	13,20			
@ f / MHz	238,80	5,15	5,15	3,66			
PSNEXT Gr. / dB	30,50	58,74	58,74	61,17			
PSNEXT @ 100 MHz	53,84	48,27	50,94	53,87	37,1		
PSNEXT @ 250 MHz	43,85	42,62	48,54	47,01	30,2		
min PSELFEXT-Res. / dB	18,75	17,62	16,84	17,77			
@ f / MHz	1,11	1,06	1,01	1,20			
PSELFEXT Gr. / dB	59,39	59,76	60,13	58,65			
PSELFEXT @ 100 MHz	46,42	46,96	45,87	47,22	20,3		
PSELFEXT @ 250 MHz	45,02	36,48	33,33	32,48	12,3		
min PSACR-Reserve / dB	15,2	9,7	12,4	13,3			
@ f / MHz	3,8	5,2	5,2	3,7			
PSACR Grenzw. / dB	56,9	54,0	54,0	57,2			
PSACR @ 100 MHz	34,44	28,63	31,25	34,18	15,4		
PSACR @ 250 MHz	12,37	10,96	16,96	15,17	-5,8		
min RL-Reserve / dB	4,6	5,1	9,3	4,9			
@ f / MHz	36,1	36,9	78,0	34,6			
RL Grenzwert / dB	16,2	16,2	13,1	16,3			
<b>Kombination</b>	<b>12 36</b>	<b>12 45</b>	<b>12 78</b>	<b>36 45</b>	<b>36 78</b>	<b>45 78</b>	<b>Grenzwert</b>
min NEXT-Reserve / dB	10,51	16,26	18,61	9,84	10,99	16,72	
@ f / MHz	238,80	100,06	1,43	5,15	3,66	245,71	
NEXT Grenzw. /dB	33,46	39,92	65,00	61,26	63,66	33,24	
NEXT @ 100 MHz	54,49	62,82	72,77	51,30	54,05	69,48	39,9
NEXT @ 250 MHz	44,78	51,19	65,08	53,84	47,61	56,46	33,1
min ELFEXT-Res. / dB	16,2	19,8	23,3	18,9	18,6	15,5	
@ f / MHz	1,1	195,6	1,1	1,0	1,2	1,0	
ELFEXT Grw. /dB	62,27	17,43	62,39	63,13	61,65	63,13	
ELFEXT @ 100 MHz	47,62	52,72	68,17	56,42	62,74	47,38	23,3
ELFEXT @ 250 MHz	49,61	49,82	49,95	42,47	38,04	34,00	15,3
min ACR-Reserve/ dB	13,3	16,4	18,5	10,0	11,1	19,9	
@ f / MHz	6,7	1,2	1,4	5,2	3,7	2,5	
ACR Grenzw. /dB	54,1	62,6	62,4	56,5	59,6	61,6	
ACR @ 100 MHz	35,09	43,41	53,36	31,59	34,34	50,13	18,2
ACR @ 250 MHz	13,29	19,70	33,60	21,93	15,70	25,20	-2,8

# NEXT / dB

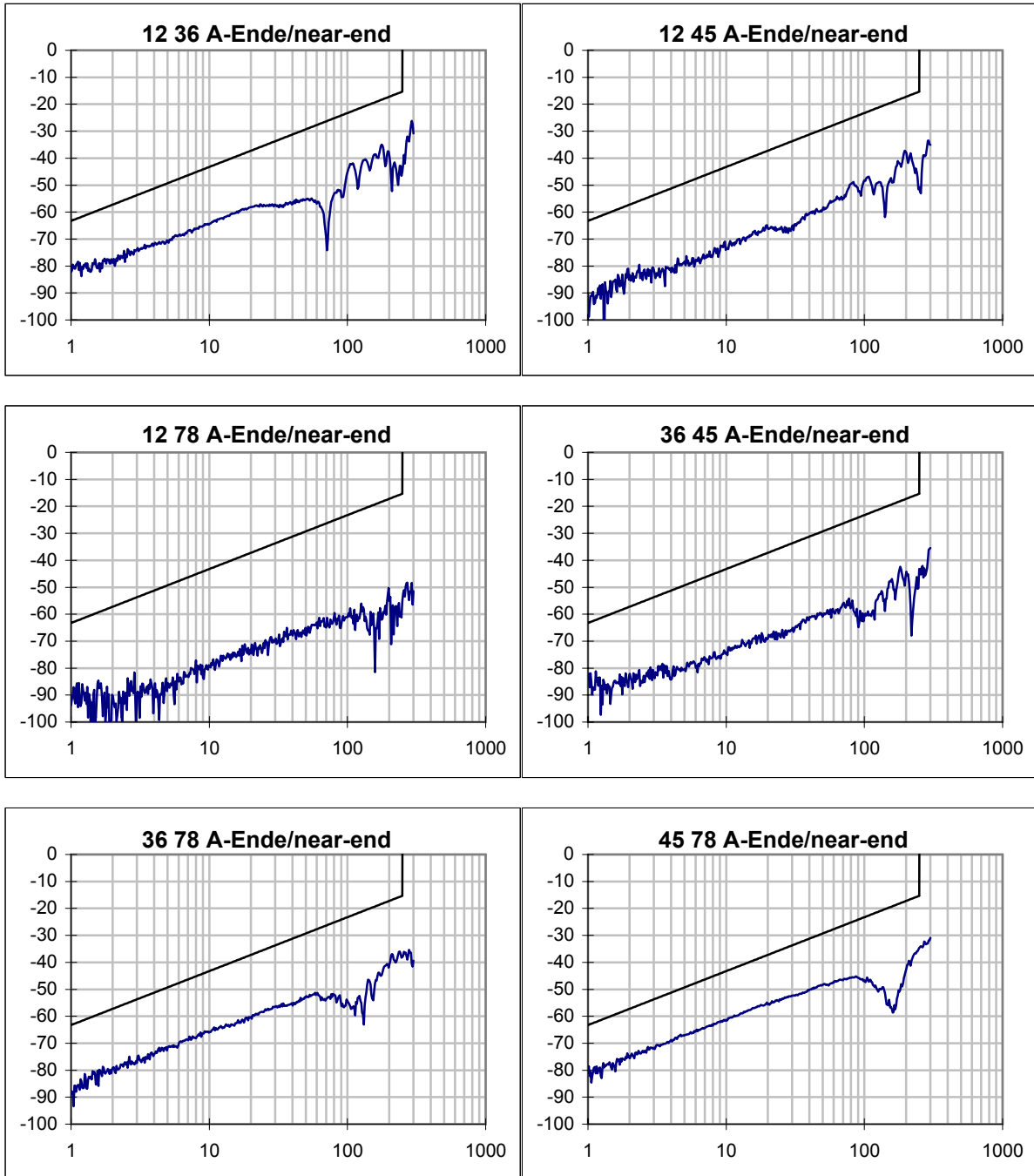


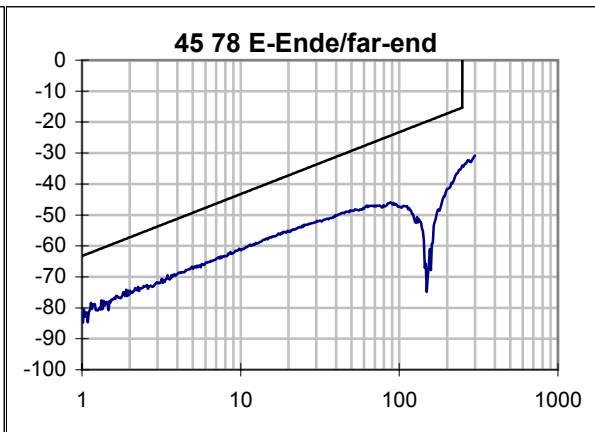
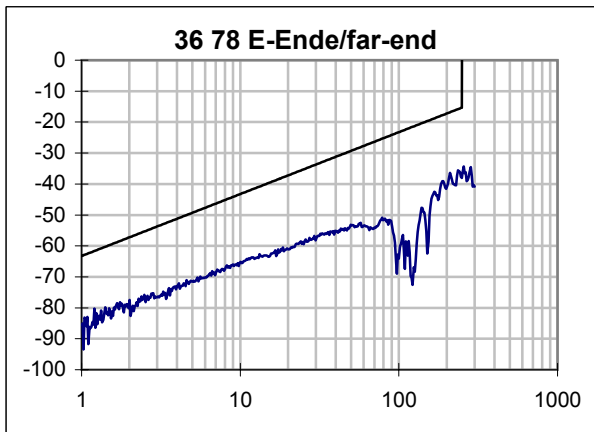
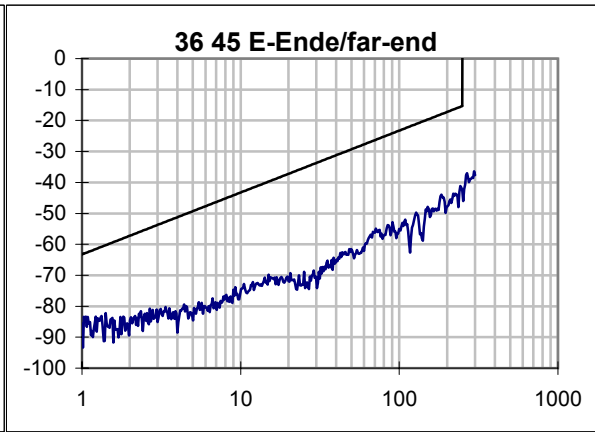
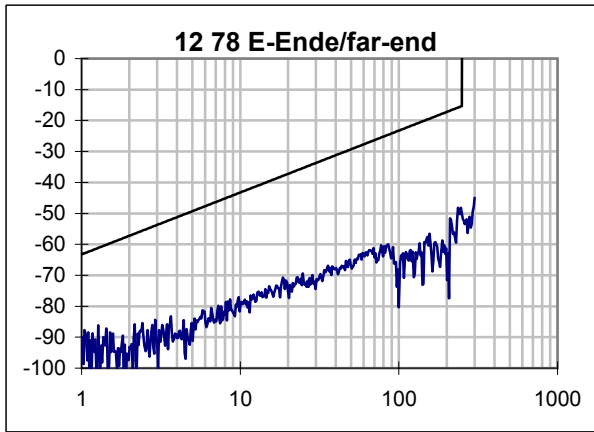
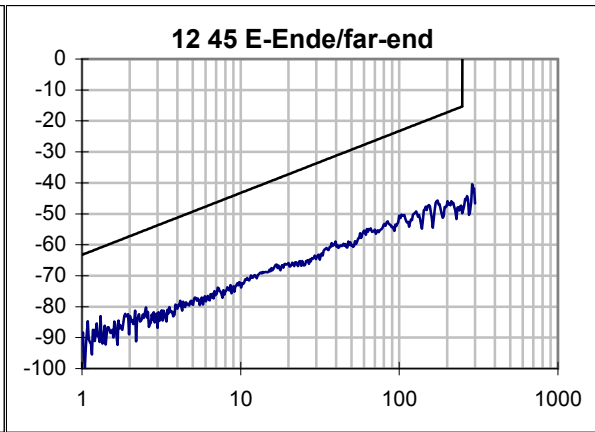
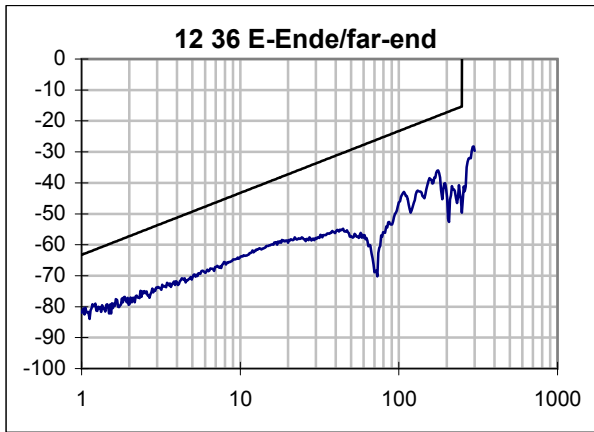


PSNEXT / dB

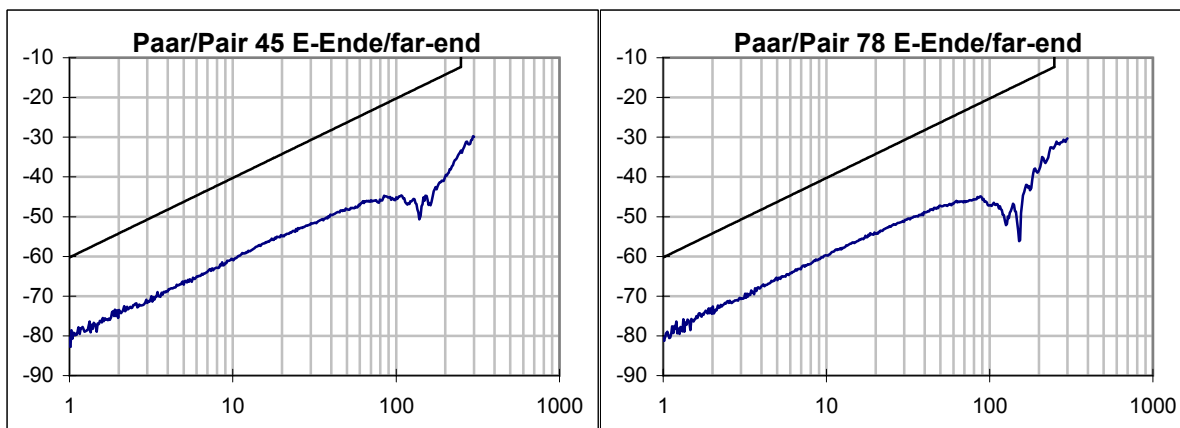
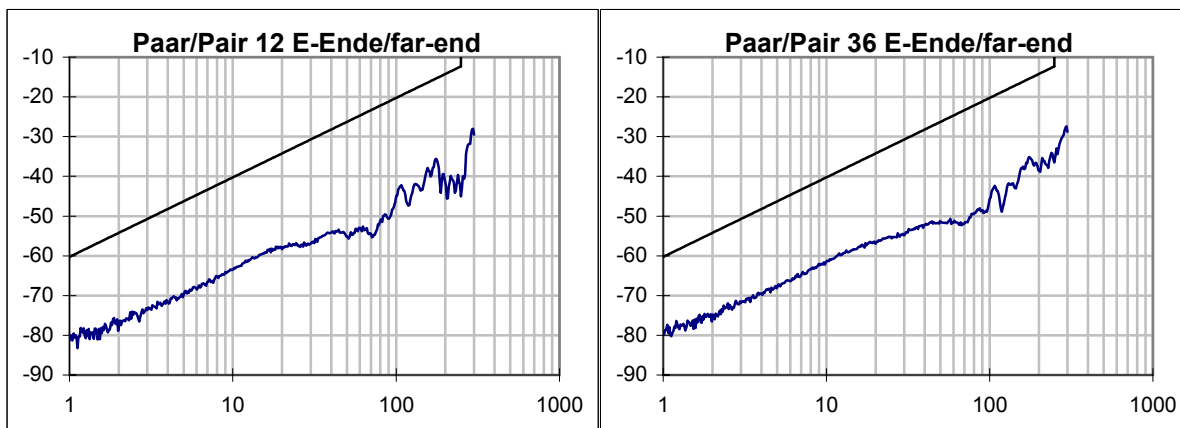
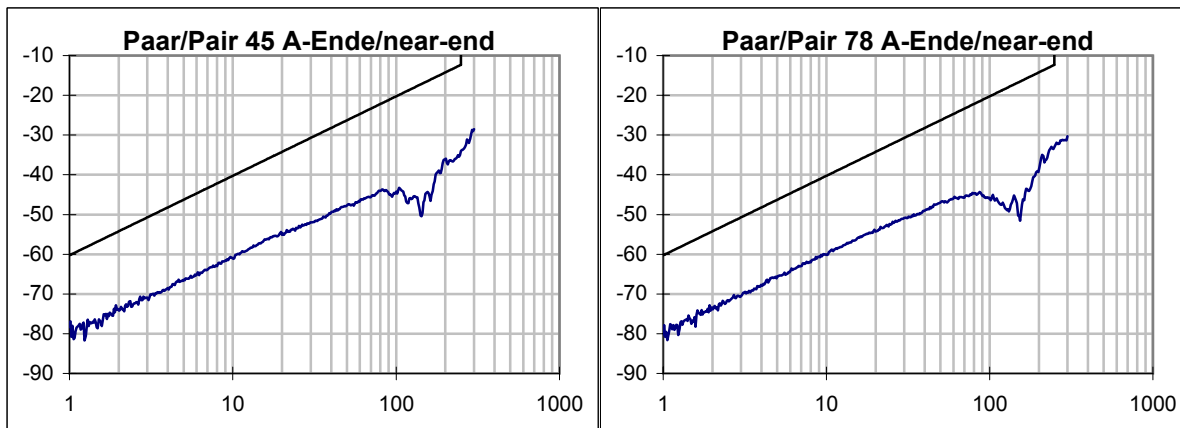
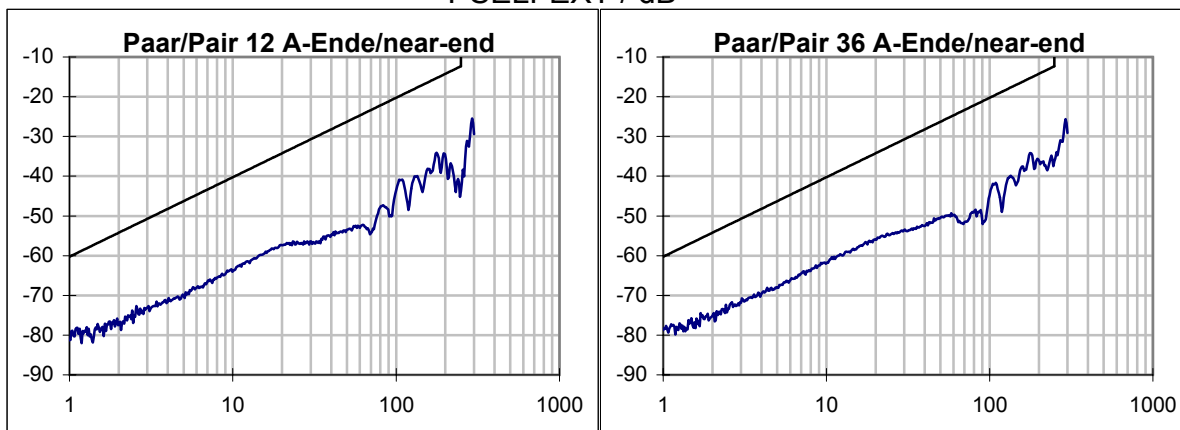


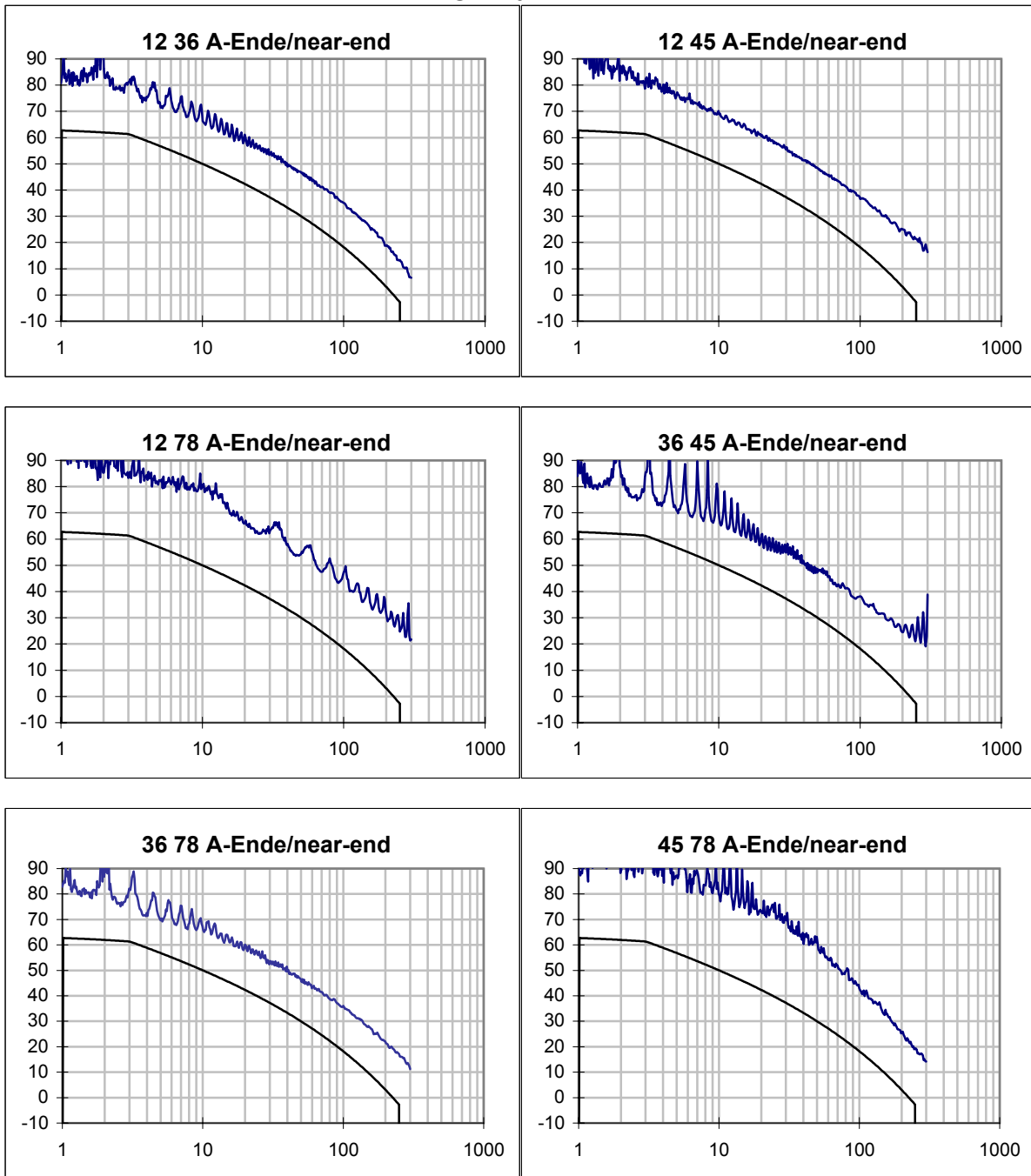
# ELFEXT / dB



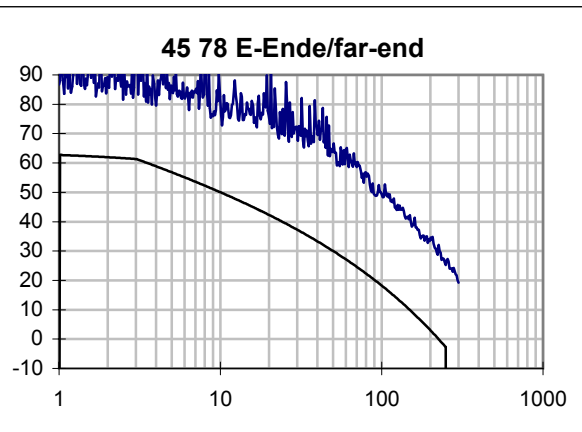
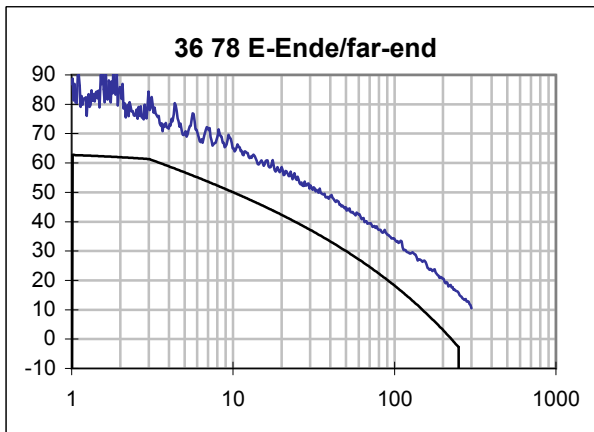
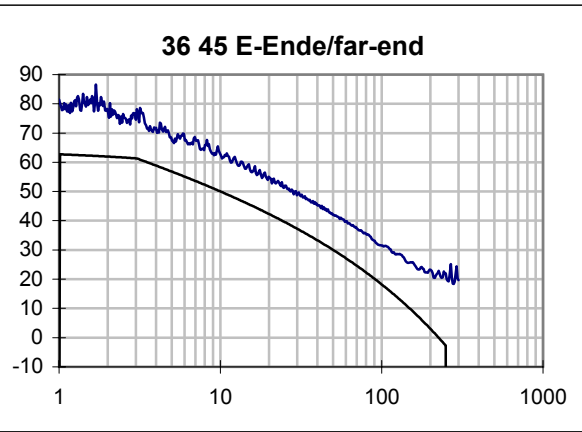
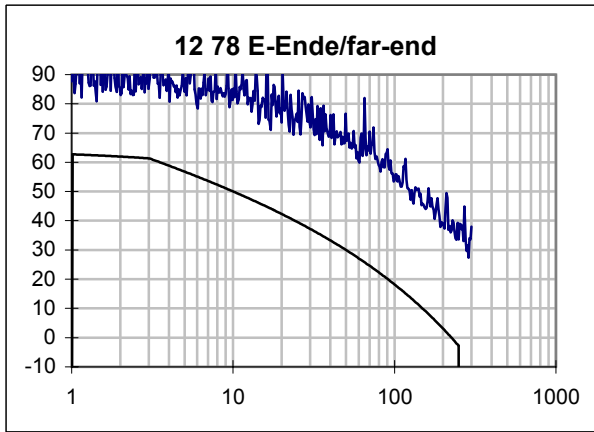
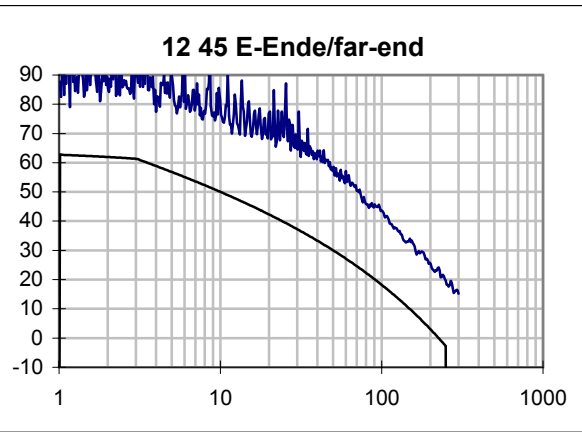
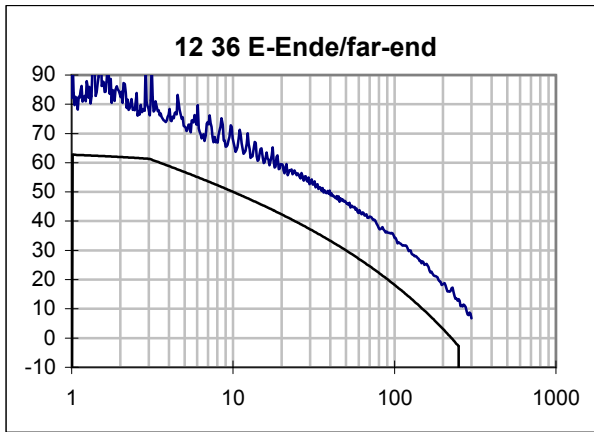


# PSELFEXT / dB

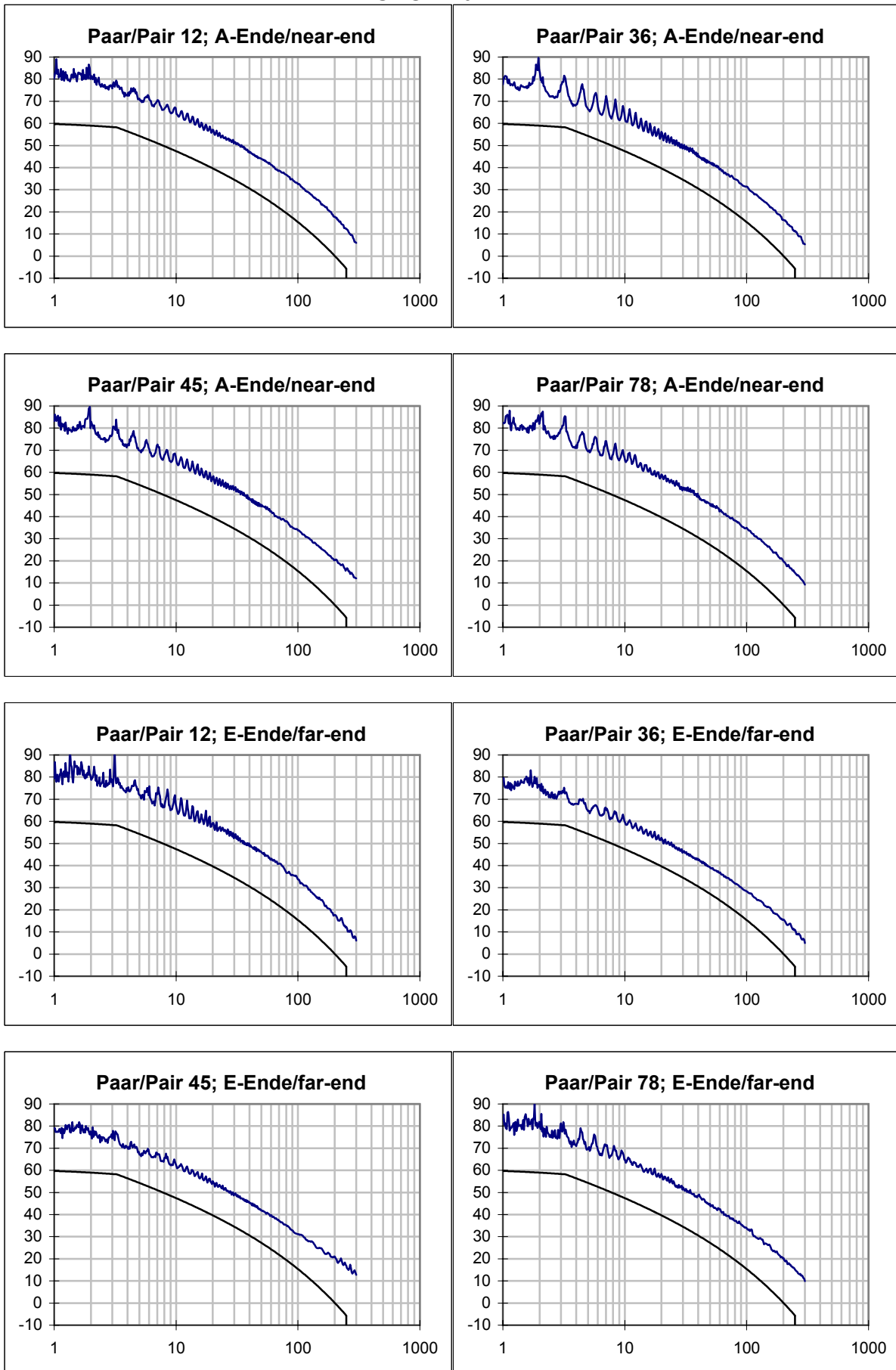




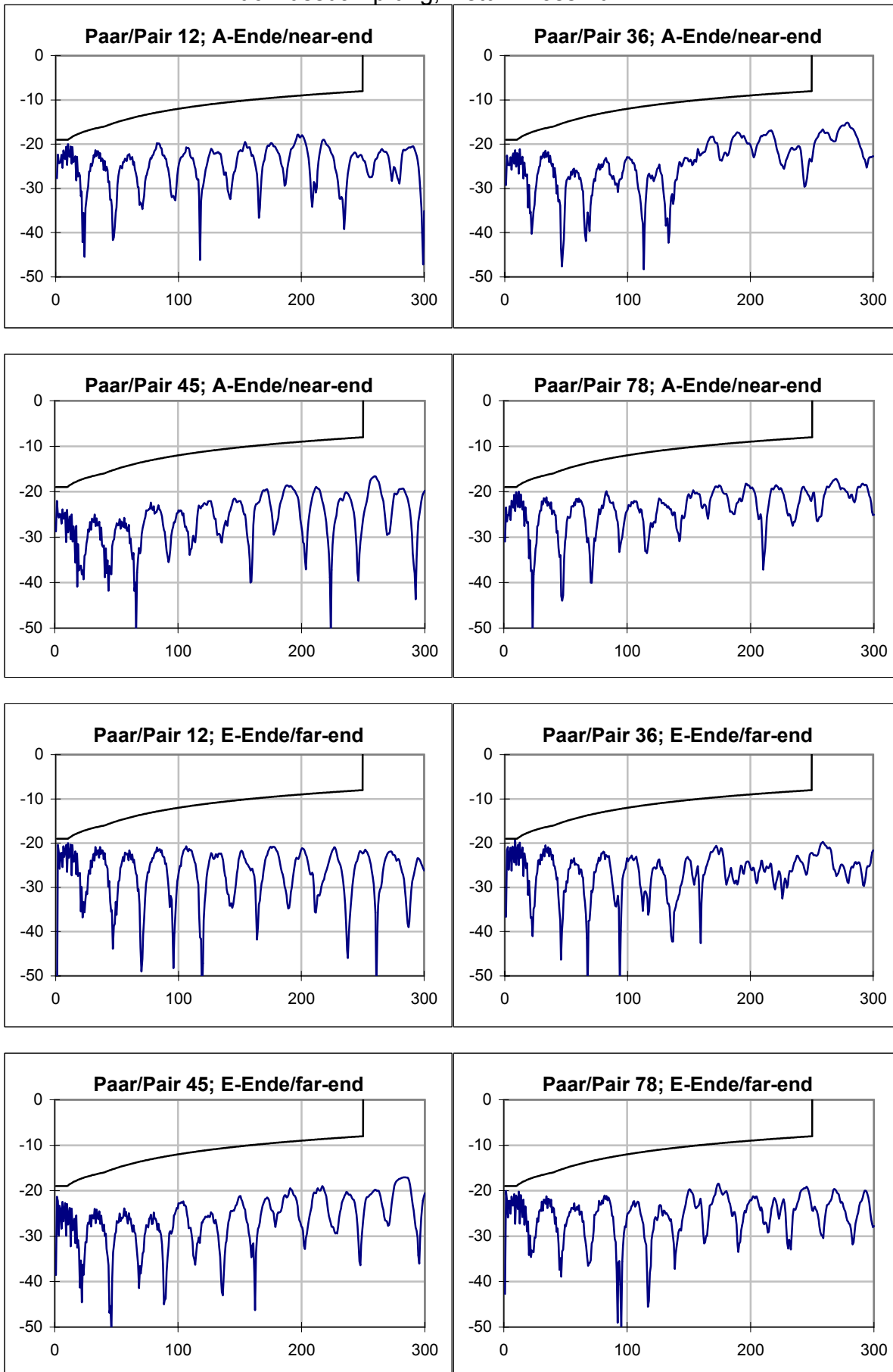




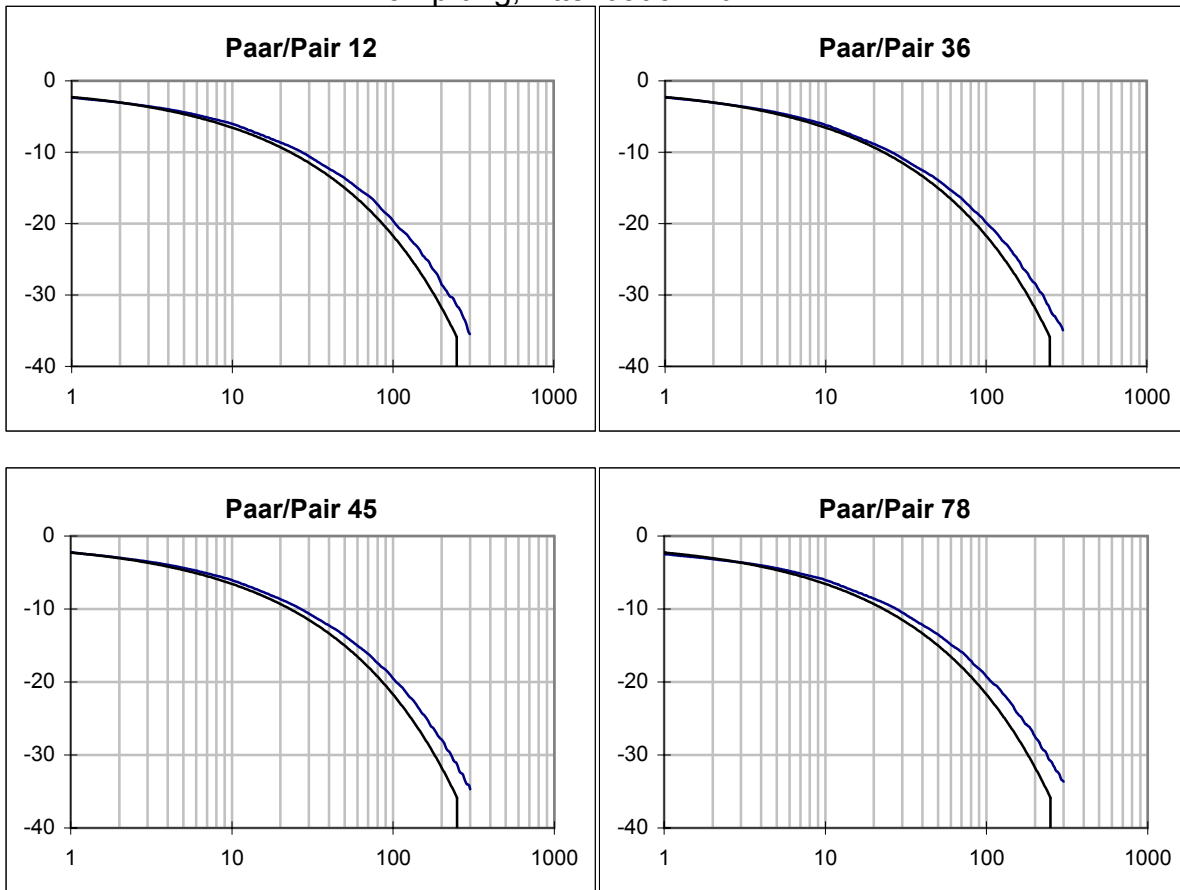
PSACR / dB



# Rückflusdämpfung, Return Loss / dB



## Dämpfung, Attenuation / dB



## Phasen-Laufzeit, Phase-Delay / ns

