

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



# Draka Multimedia Cable

**Messaufbau:**

Patch-Kabel A-Ende: **5 m Krone S-STP Systempatchkabel AWG27 (Krone-Stecker)**  
 Komponente A-Ende: **Krone KM8 Anschlussmodul Cat.6 geschirmt**  
 Tertiärkabel: **90 m UC600 SS23/1 4P**  
 Komponente E-Ende: **Krone KM8 Anschlussmodul Cat.6 geschirmt**  
 Patch-Kabel E-Ende: **5 m Krone S-STP Systempatchkabel AWG27 (Krone-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 N780.  
 Das ACR wird bis 300 MHz nicht negativ!*

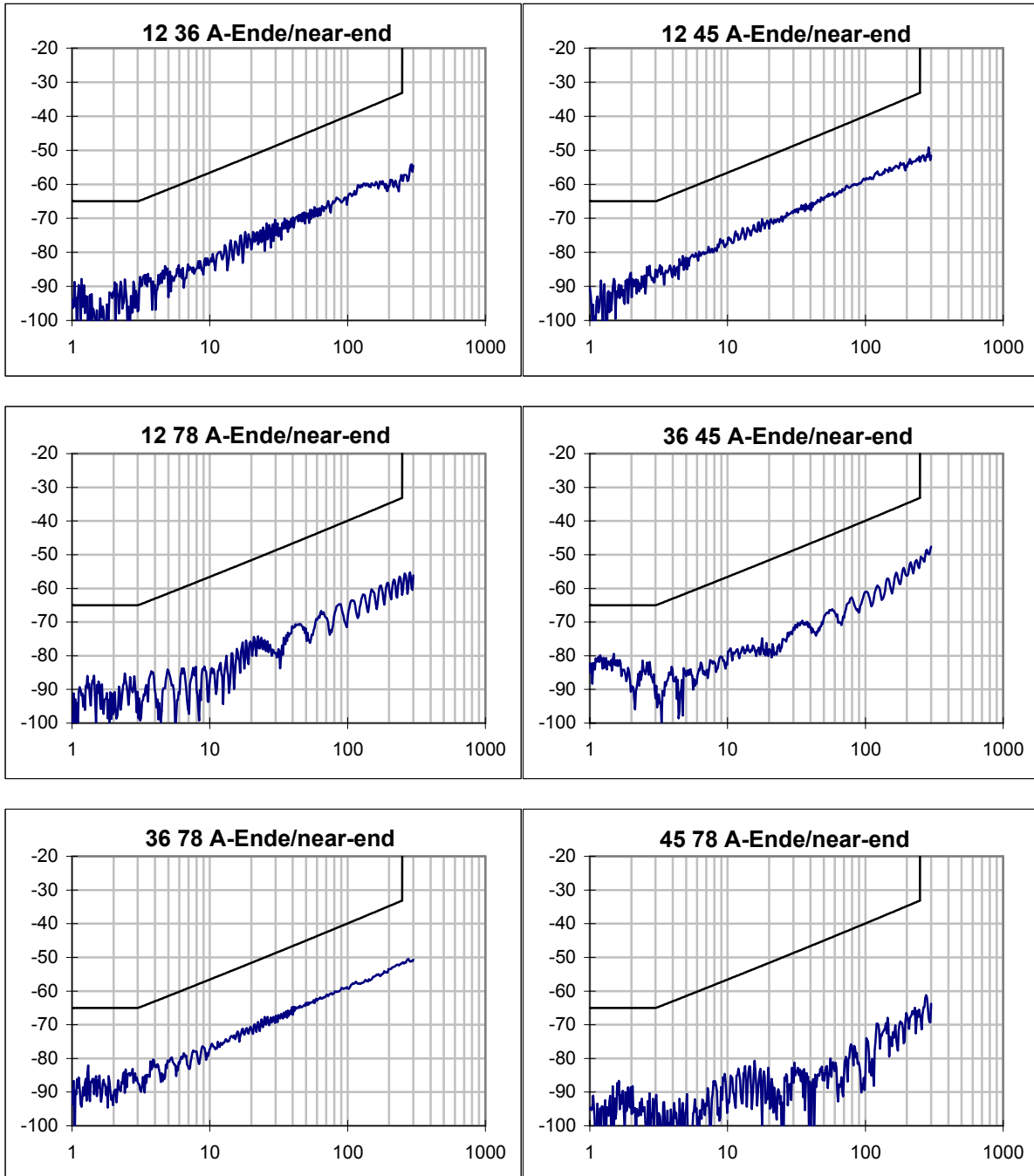
Datum: 10.09.2002 Prüflabor: Draka Multimedia Cable  
 Prüfer: Dr. C. Pfeiler Wohlaue Str. 15  
 90475 Nürnberg

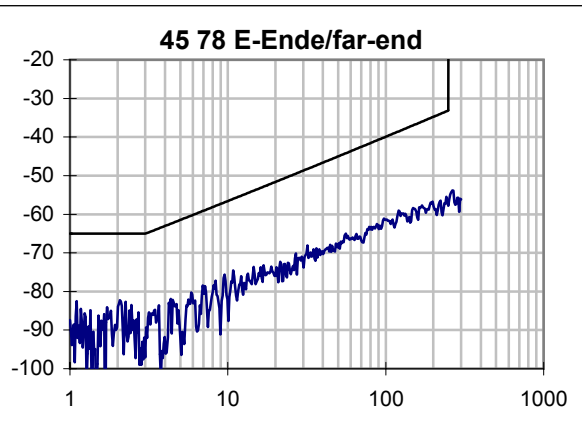
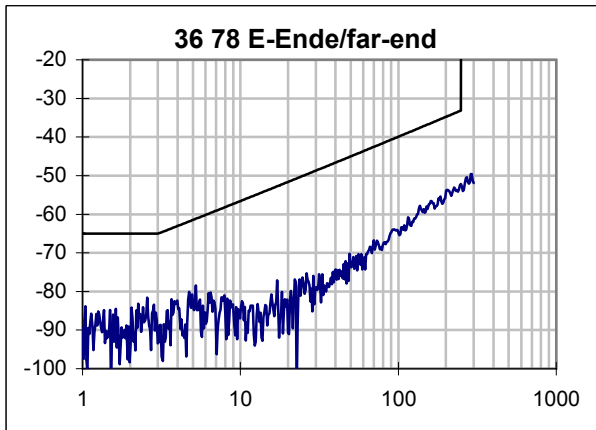
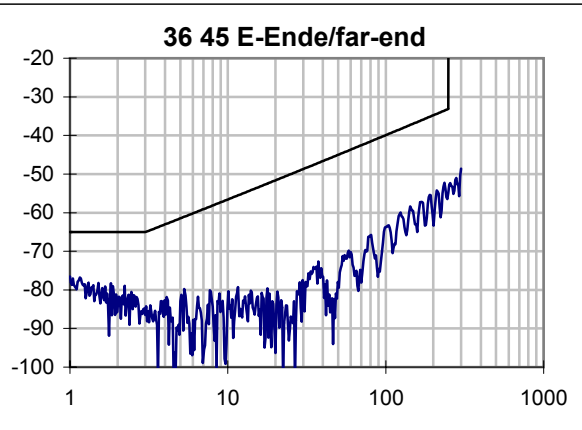
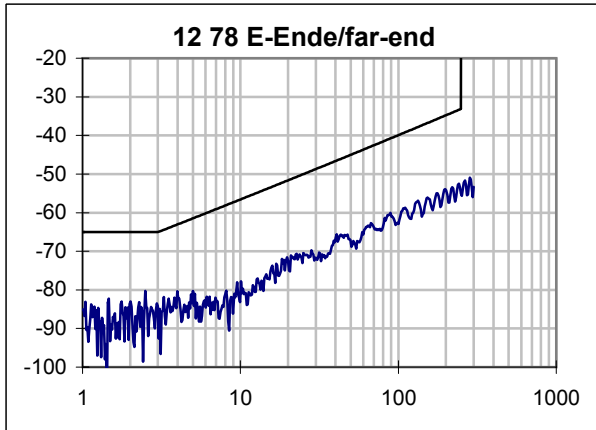
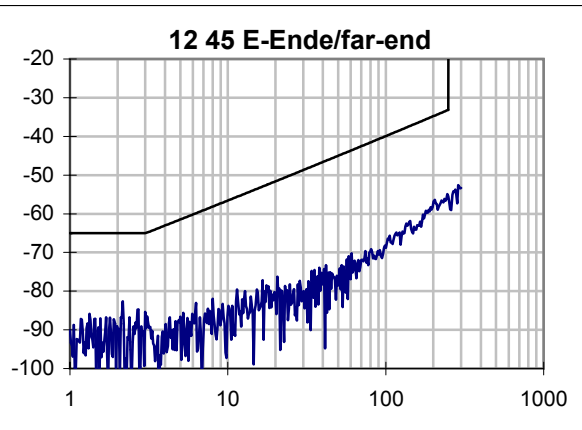
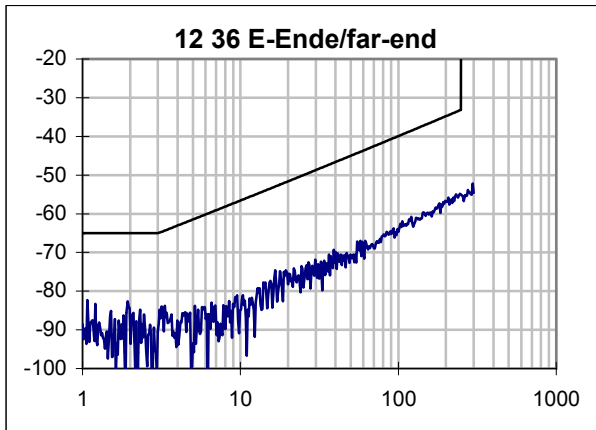
gepr. 

**Übersicht Ergebnisse:**

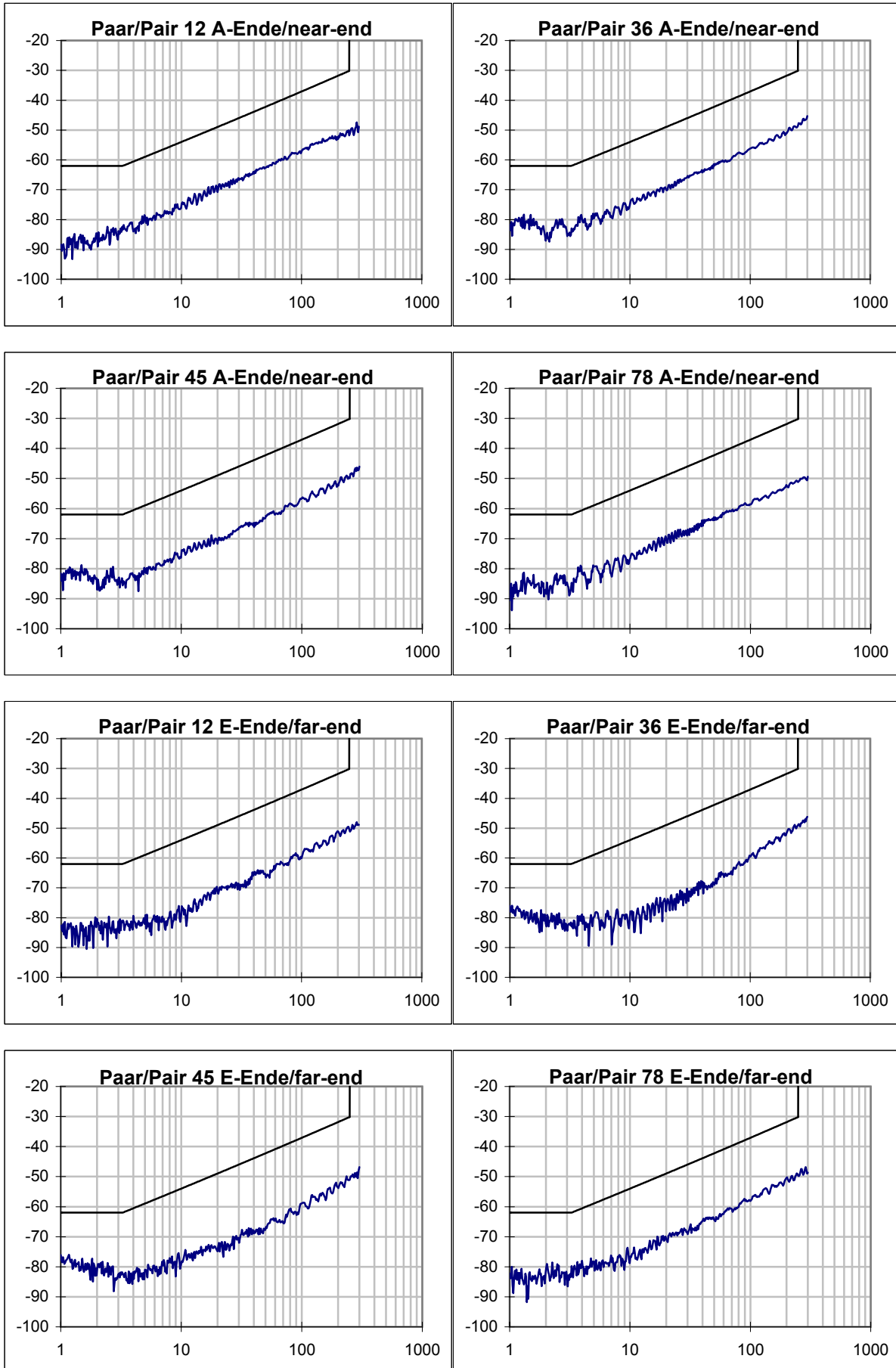
Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	451,9	462,6	449,2	455,1		13,4	50
Dämpfung @ 100MHz/dB	19,29	19,81	19,52	19,48	21,7		
Dämpfung @ 250MHz/dB	31,34	31,79	31,62	31,64	35,9		
min PSNEXT-Res. / dB	17,66	14,01	13,96	16,60			
@ f / MHz	2,49	1,04	1,17	2,25			
PSNEXT Gr. / dB	62,00	62,00	62,00	62,00			
PSNEXT @ 100 MHz	59,59	59,20	58,96	57,83	37,1		
PSNEXT @ 250 MHz	50,38	49,06	51,11	49,63	30,2		
min PSELFEXT-Res. / dB	17,06	15,02	14,88	16,91			
@ f / MHz	1,06	1,03	1,03	1,19			
PSELFEXT Gr. / dB	59,76	60,01	60,01	58,77			
PSELFEXT @ 100 MHz	41,73	41,31	51,79	50,52	20,3		
PSELFEXT @ 250 MHz	38,23	38,07	39,95	42,88	12,3		
min PSACR-Reserve / dB	17,8	14,0	14,0	16,7			
@ f / MHz	2,5	1,0	1,2	2,3			
PSACR Grenz. / dB	58,6	59,7	59,6	58,8			
PSACR @ 100 MHz	40,30	39,56	39,37	38,32	15,4		
PSACR @ 250 MHz	19,04	17,38	19,52	18,00	-5,8		
min RL-Reserve / dB	11,5	9,6	10,6	12,2			
@ f / MHz	191,6	55,6	187,9	162,5			
RL Grenzwert / dB	9,2	14,6	9,3	9,9			
<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	17,26	17,67	15,27	11,57	16,58	17,28	
@ f / MHz	1,07	2,16	2,49	1,00	2,56	2,07	
NEXT Grenzw. /dB	65,00	65,00	65,00	65,00	65,00	65,00	
NEXT @ 100 MHz	63,94	68,20	62,64	63,89	64,09	61,47	39,9
NEXT @ 250 MHz	55,01	55,48	54,98	54,90	52,20	57,78	33,1
min ELFEXT-Res. / dB	14,4	22,8	23,0	14,4	18,8	14,9	
@ f / MHz	1,1	1,2	1,2	1,0	1,4	1,2	
ELFEXT Grw. /dB	62,76	62,02	61,77	63,13	60,28	61,89	
ELFEXT @ 100 MHz	41,86	58,81	61,15	55,14	52,32	56,50	23,3
ELFEXT @ 250 MHz	41,00	41,69	54,83	45,12	43,41	55,79	15,3
min ACR-Reserve/ dB	17,4	17,8	15,4	11,8	16,7	17,4	
@ f / MHz	1,1	2,2	2,5	1,2	2,6	2,1	
ACR Grenzw. /dB	62,7	61,9	61,6	62,6	61,6	61,9	
ACR @ 100 MHz	44,65	48,92	43,35	44,08	44,28	41,95	18,2
ACR @ 250 MHz	23,67	24,13	23,64	23,11	20,41	26,16	-2,8

# NEXT / dB

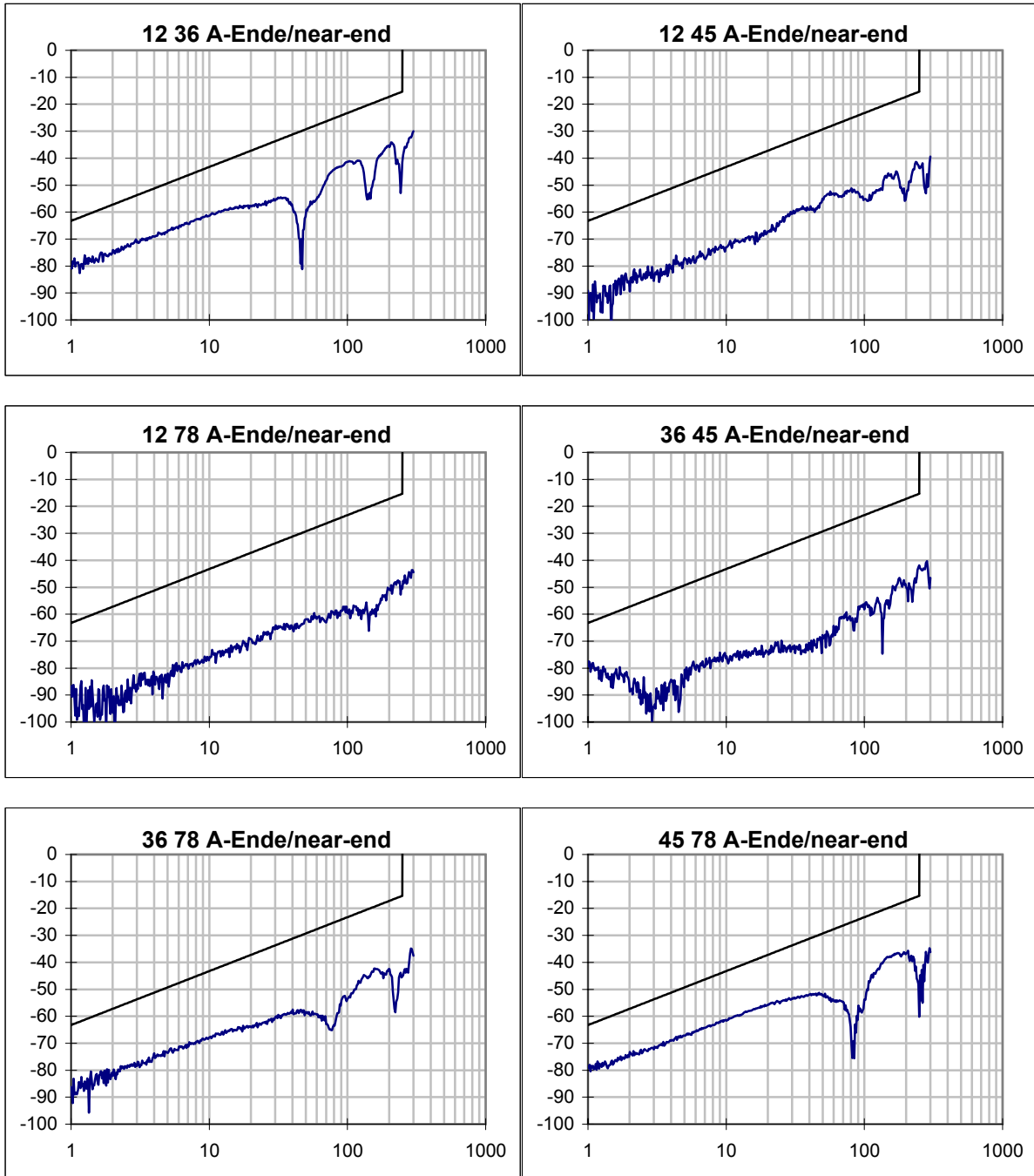


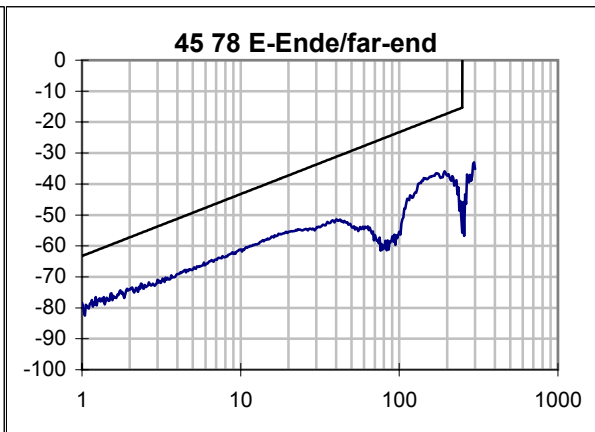
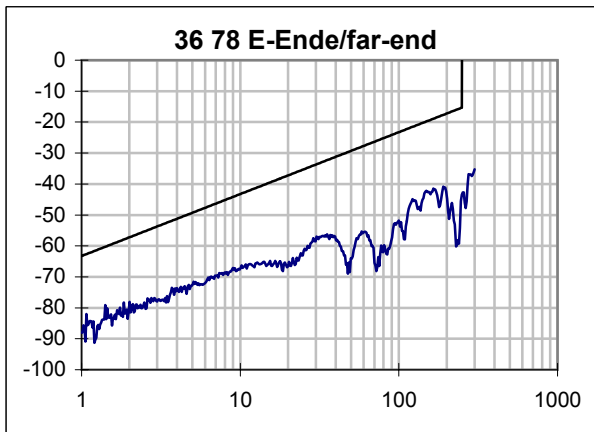
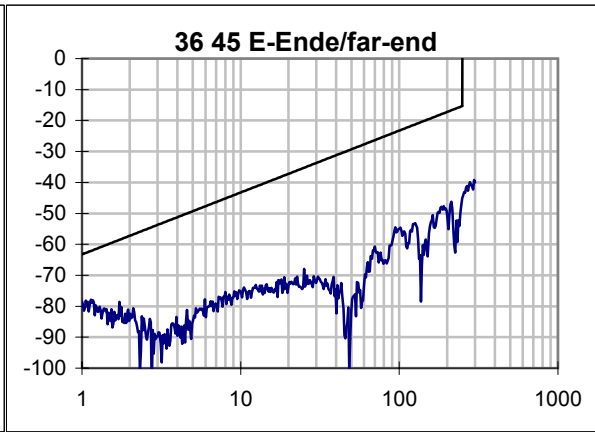
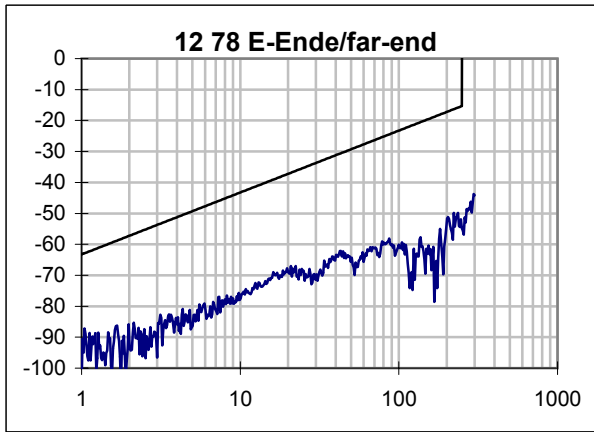
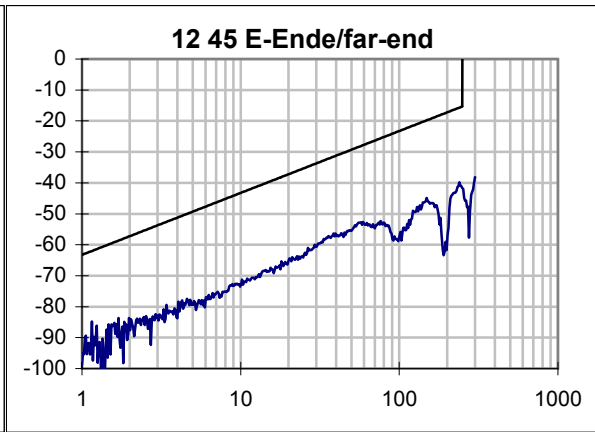
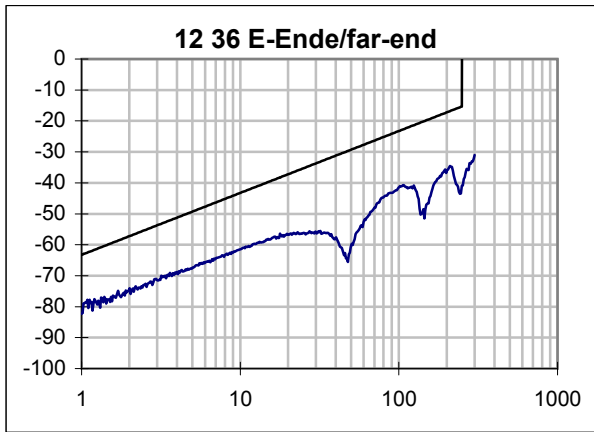


PSNEXT / dB

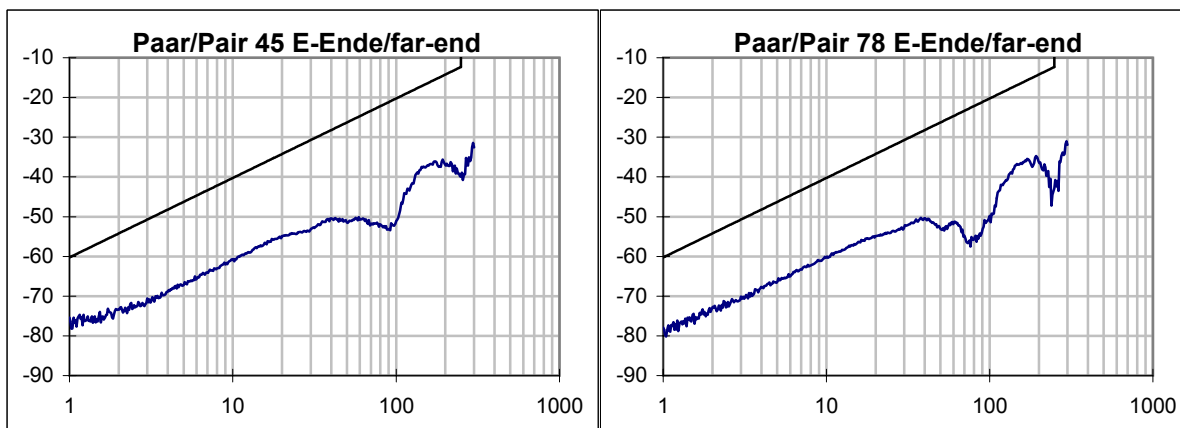
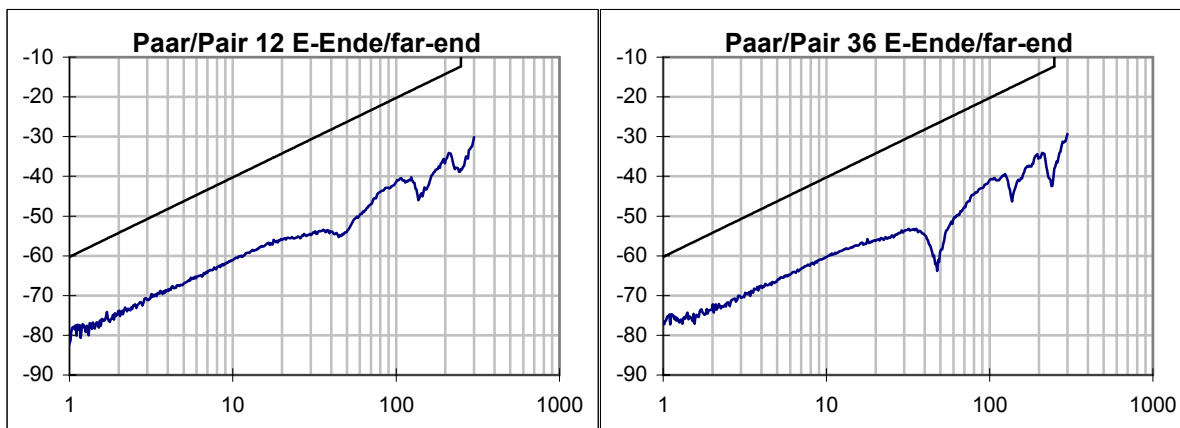
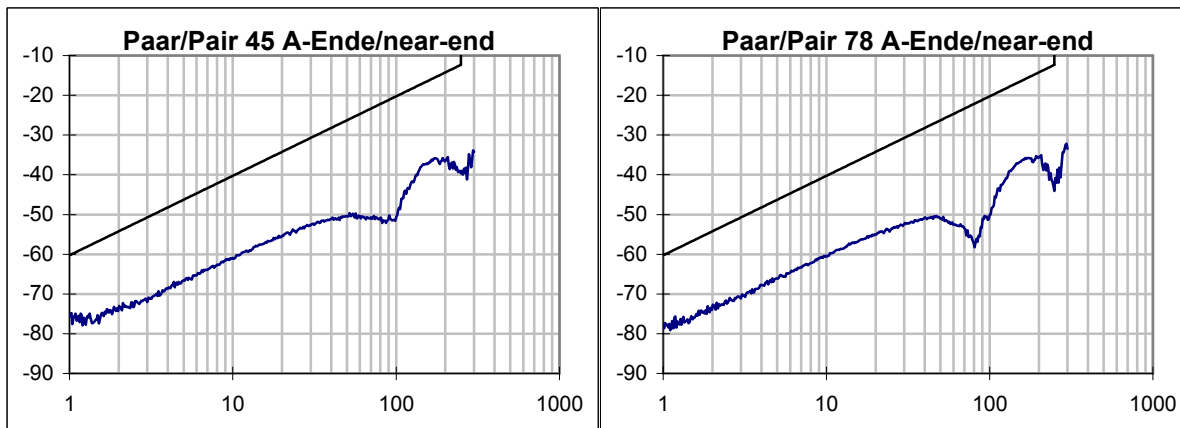
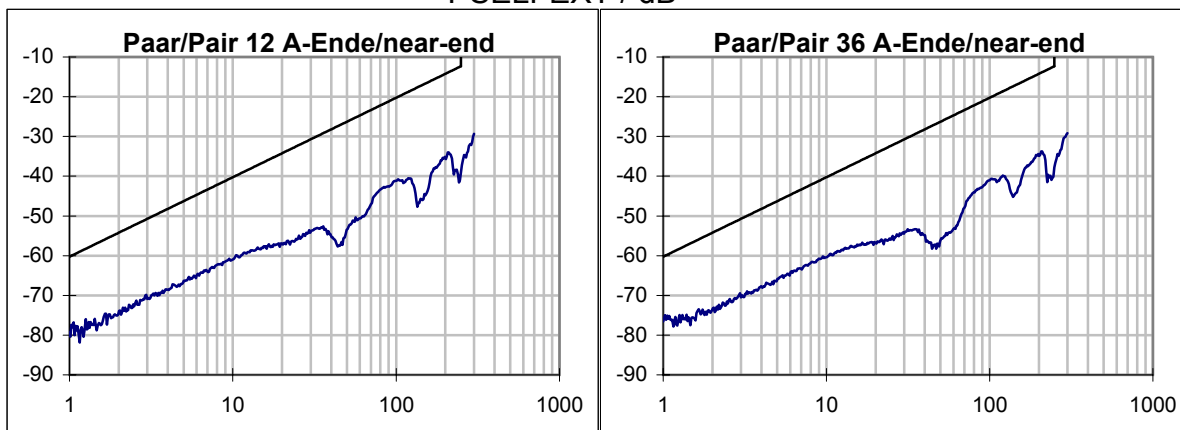


# ELFEXT / dB

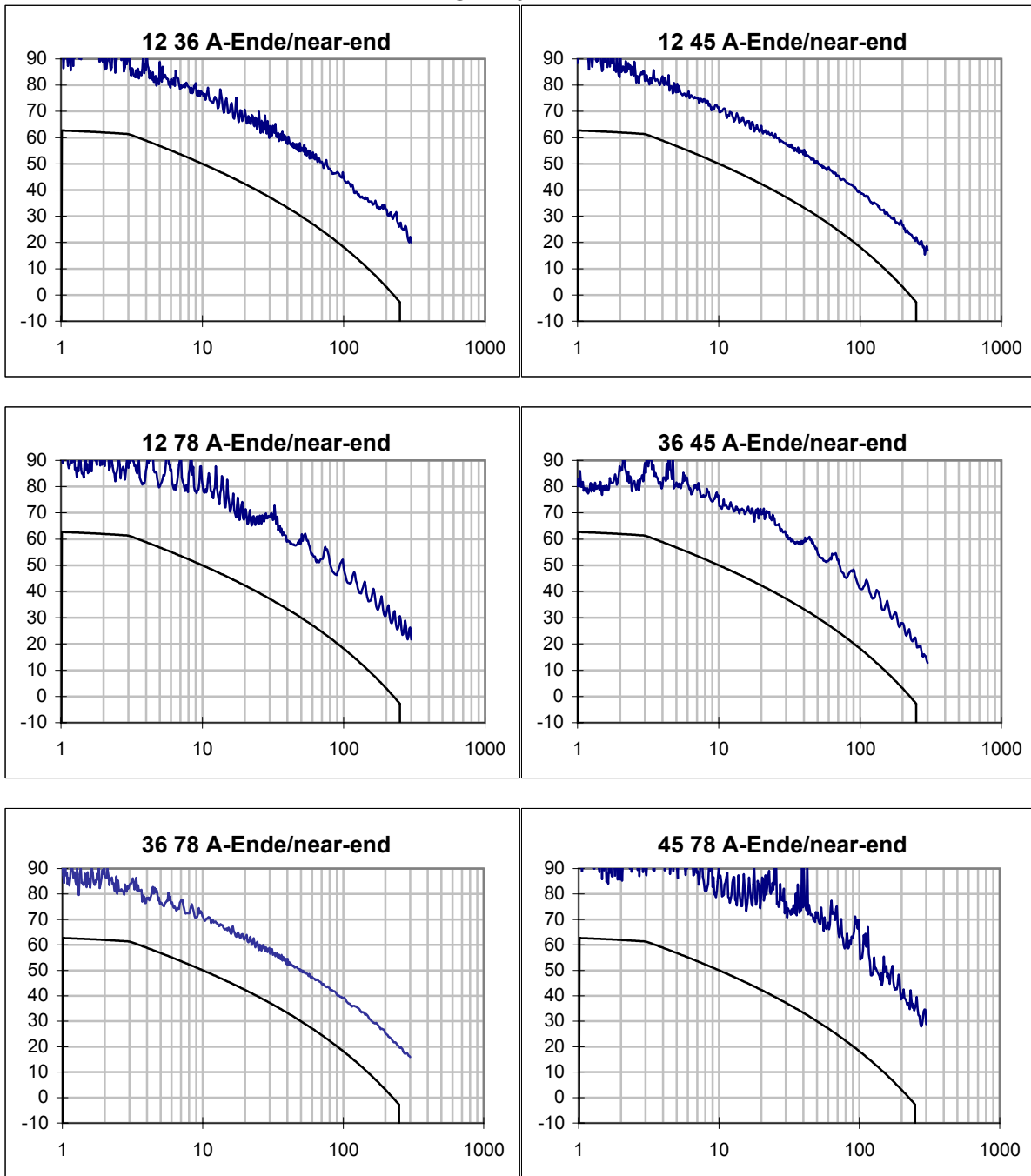




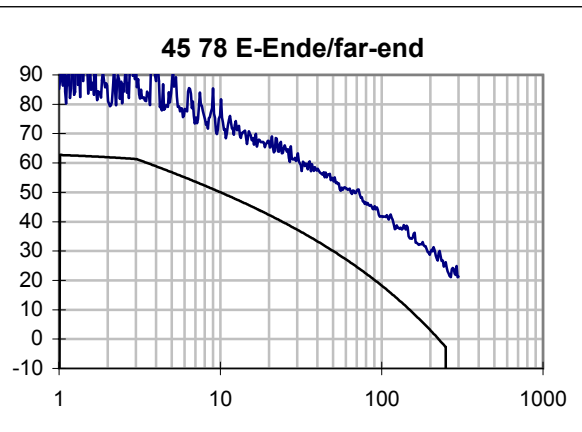
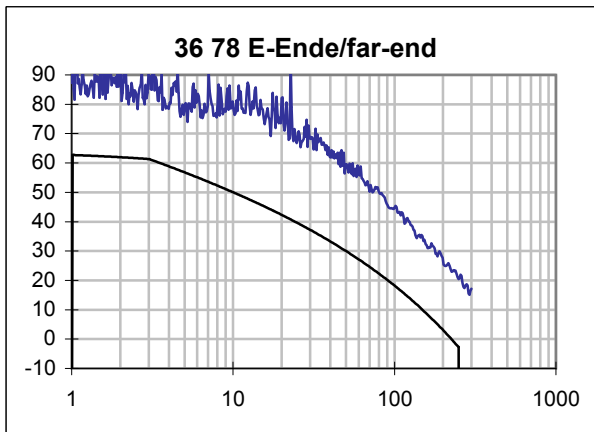
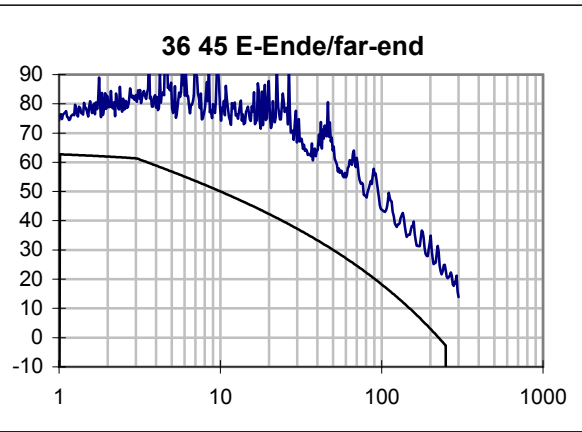
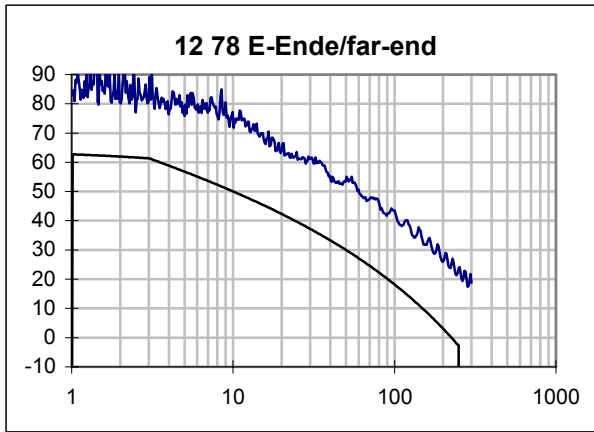
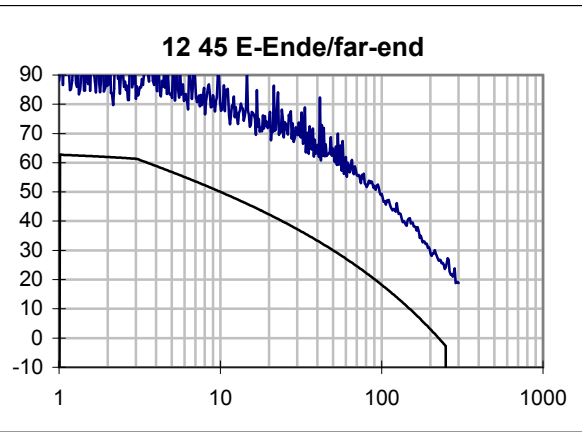
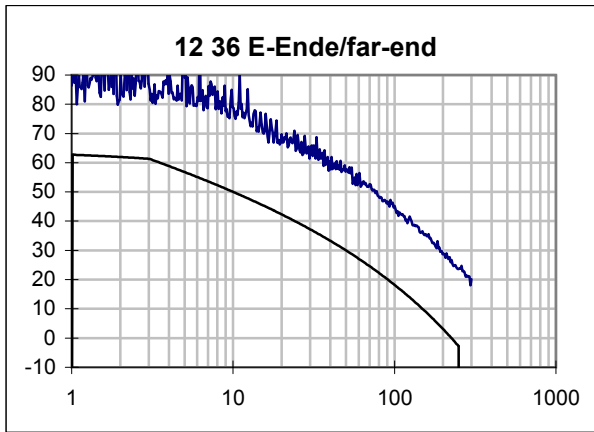
# PSELFEXT / dB



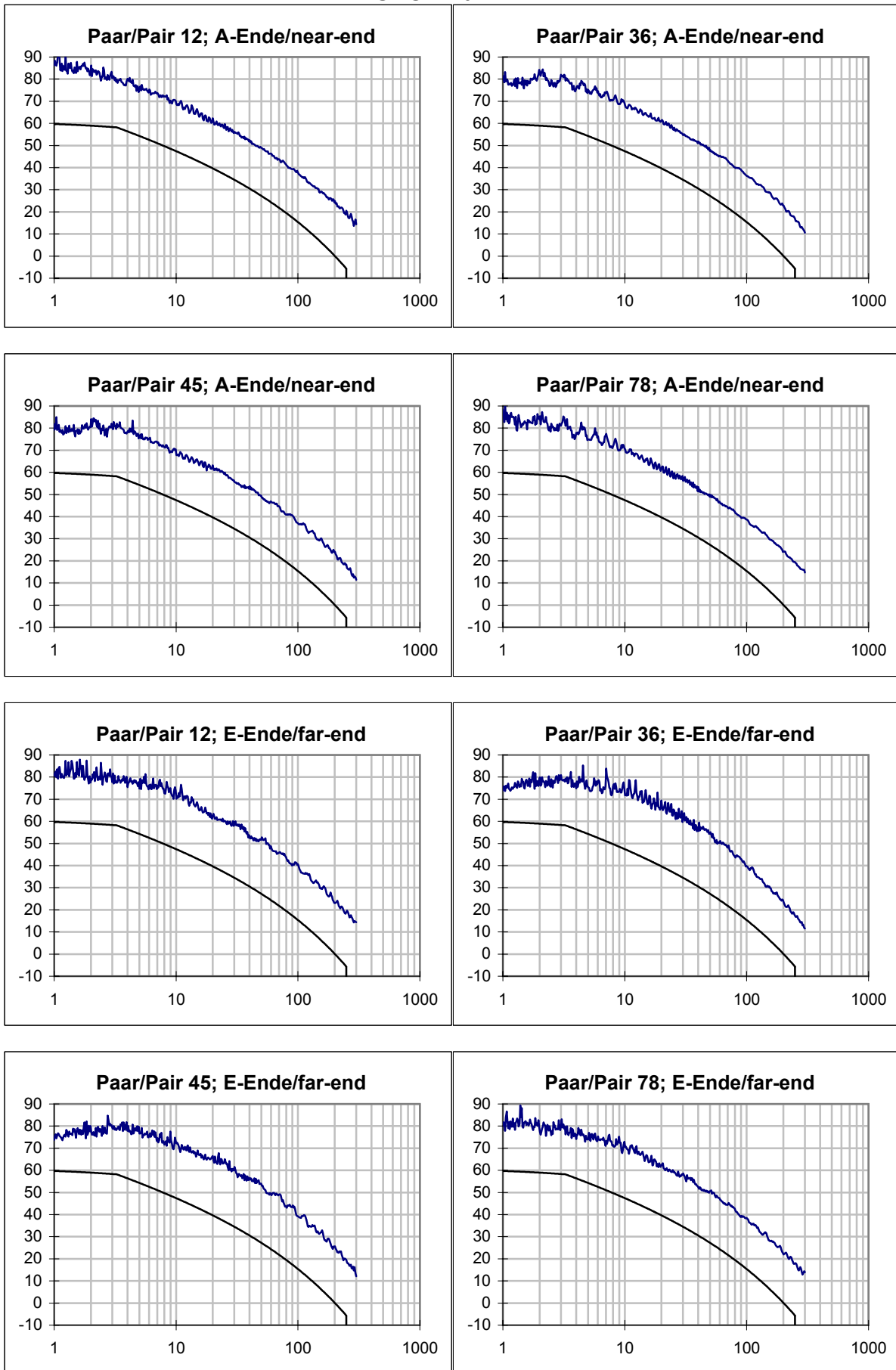
# ACR / dB



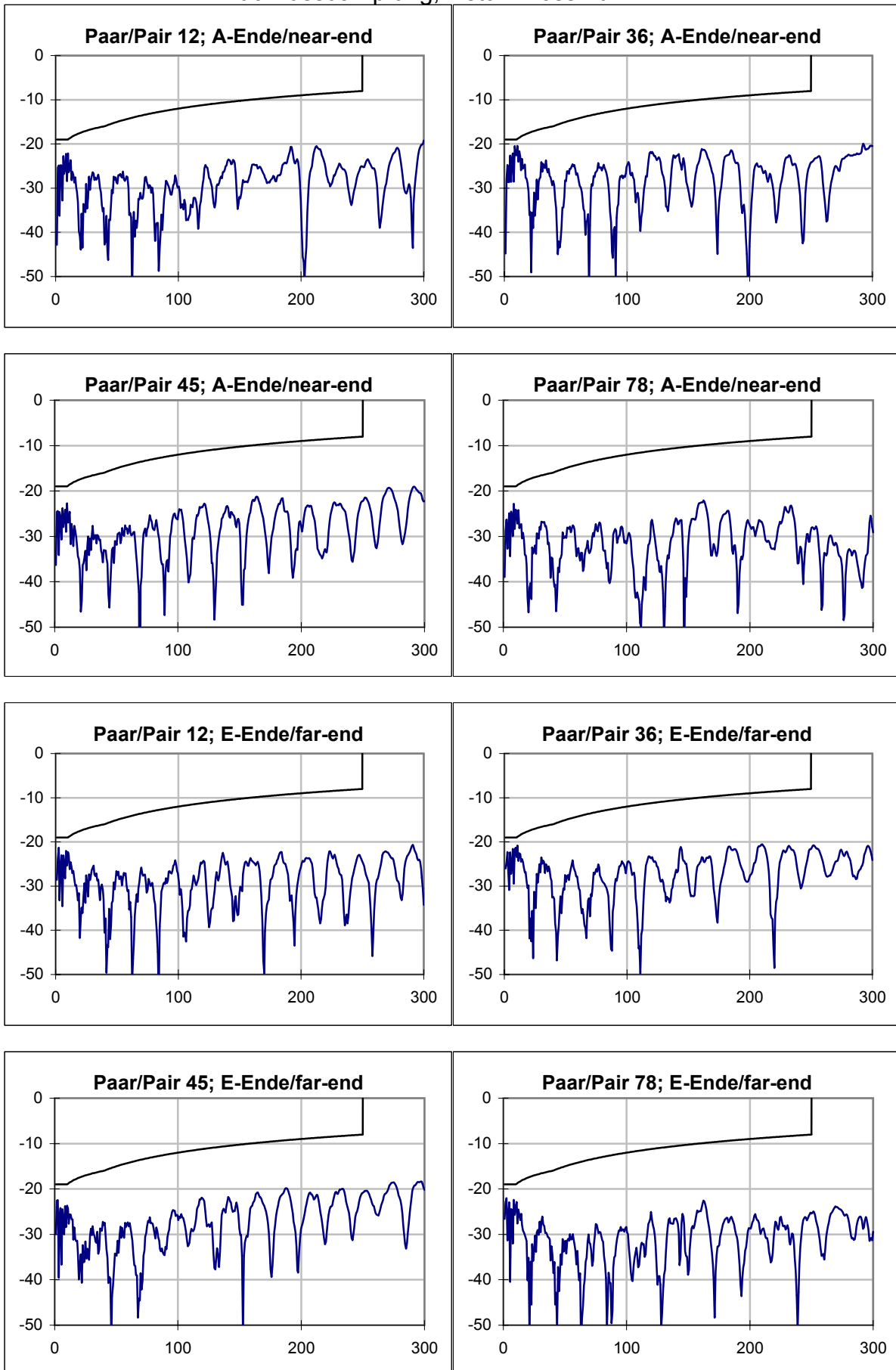




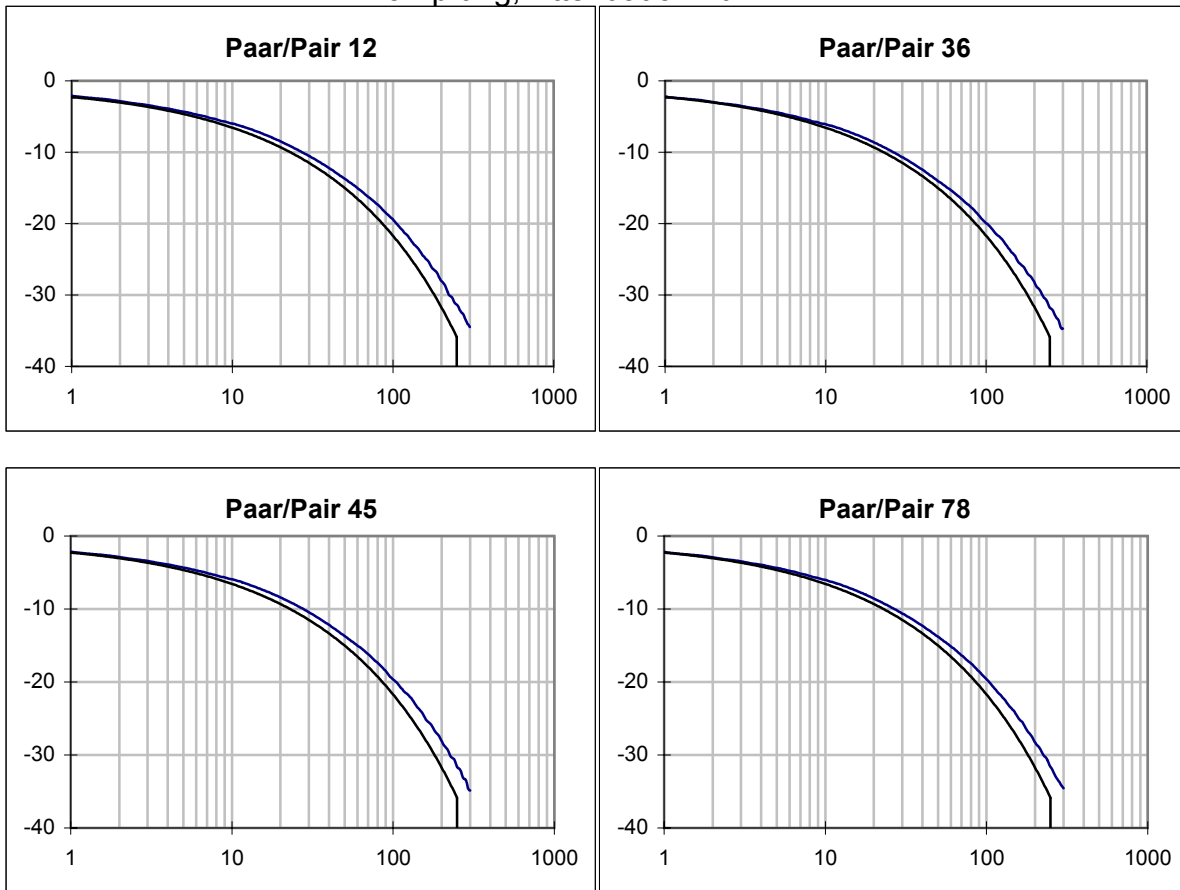
PSACR / dB



# Rückflusdämpfung, Return Loss / dB



## Dämpfung, Attenuation / dB



## Phasen-Laufzeit, Phase-Delay / ns

