

**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 UC1200 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!*

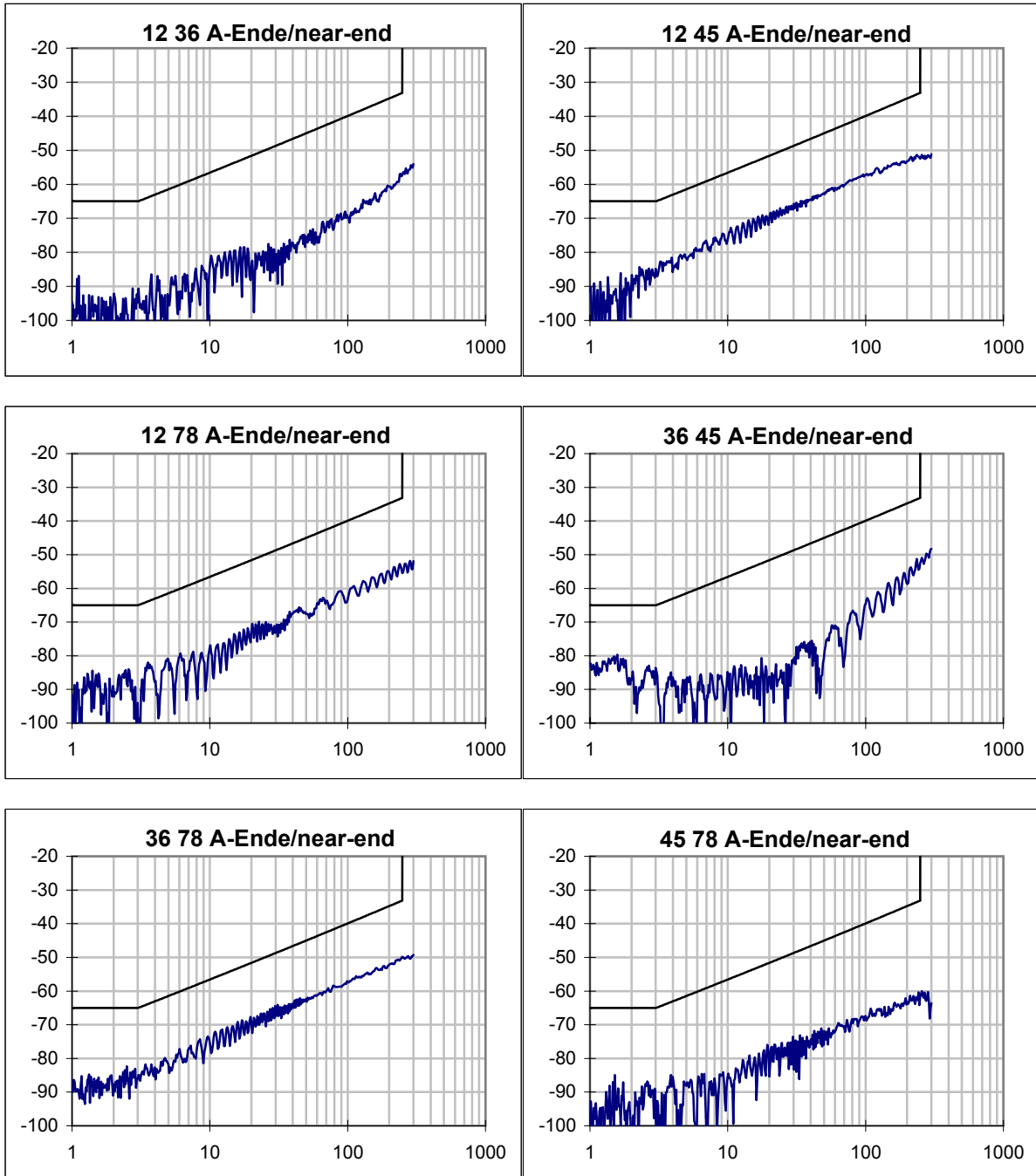
Datum: 11.09.2002 Prüflabor: Draka Multimedia Cable  
 Prüfer: Dr. C. Pfeiler Wohlaue Str. 15  
 90475 Nürnberg

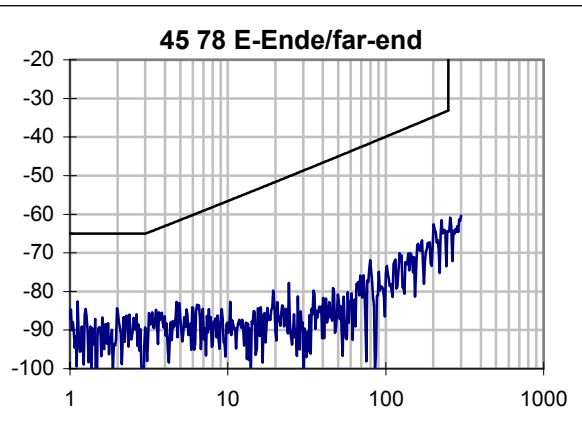
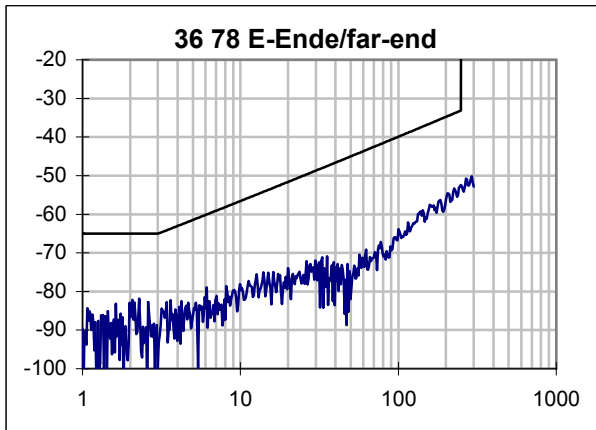
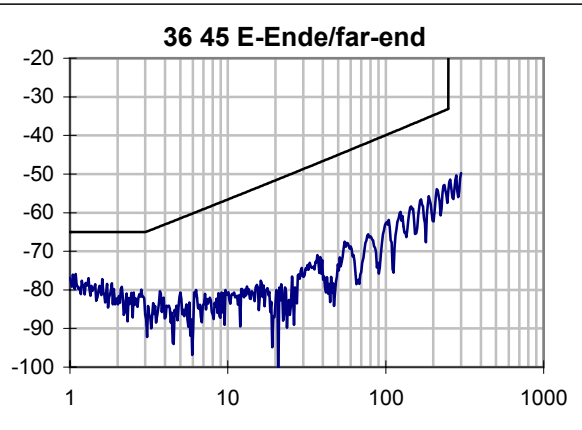
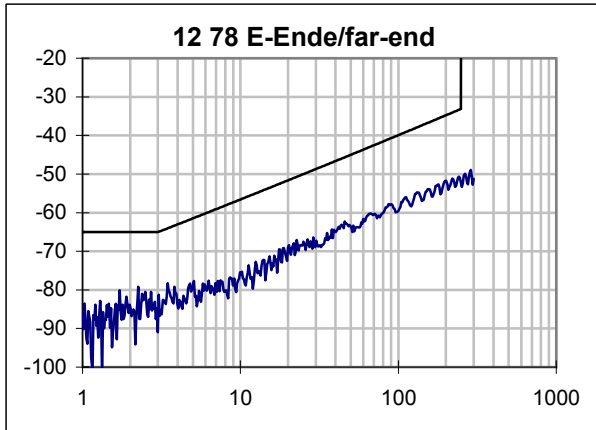
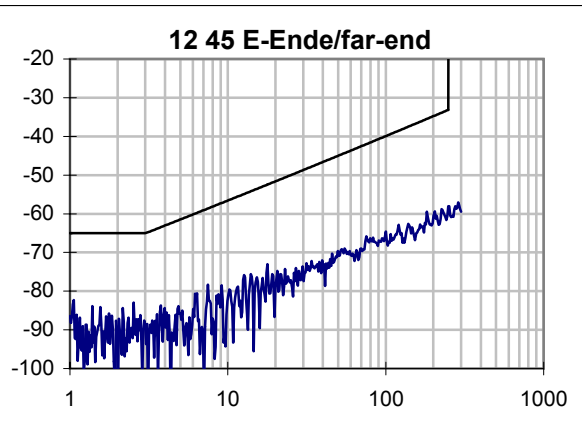
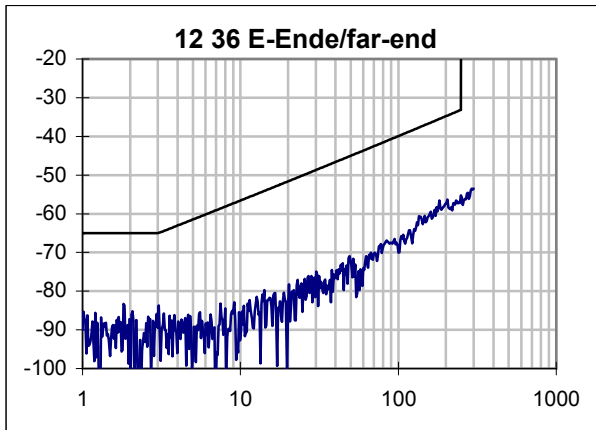
gepr. 

**Übersicht Ergebnisse:**

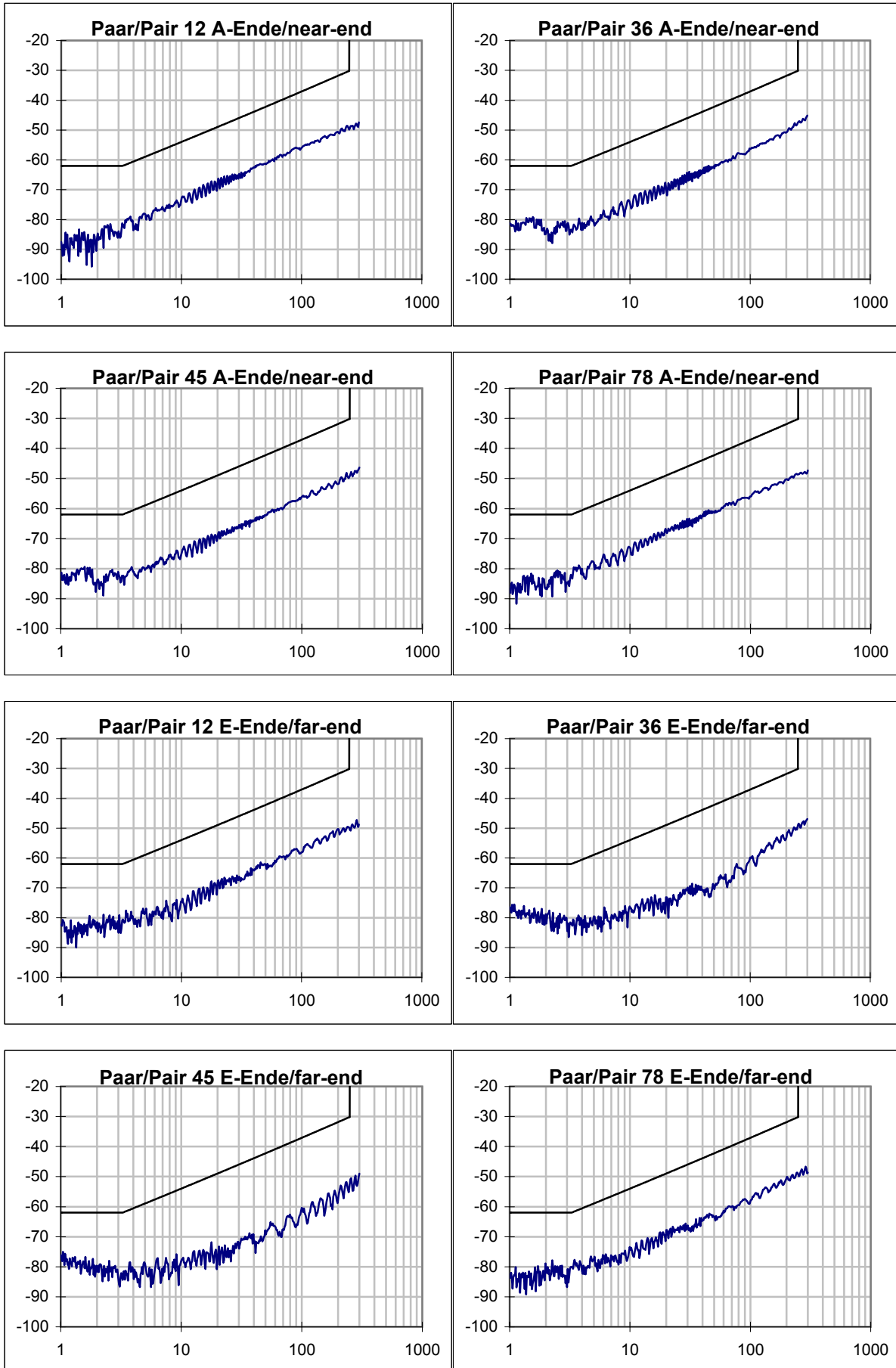
Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	465,7	477,6	462,9	469,8		14,7	50
Dämpfung @ 100MHz/dB	19,50	19,53	19,73	19,67	21,7		
Dämpfung @ 250MHz/dB	31,50	31,35	32,19	31,59	35,9		
min PSNEXT-Res. / dB	16,03	13,54	13,06	15,86			
@ f / MHz	3,46	1,09	1,04	2,25			
PSNEXT Gr. / dB	61,58	62,00	62,00	62,00			
PSNEXT @ 100 MHz	58,35	60,73	61,39	58,97	37,1		
PSNEXT @ 250 MHz	49,77	49,06	52,54	49,17	30,2		
min PSELFEXT-Res. / dB	18,44	15,63	14,90	17,44			
@ f / MHz	1,03	1,00	1,00	1,04			
PSELFEXT Gr. / dB	60,01	60,26	60,26	59,89			
PSELFEXT @ 100 MHz	44,79	44,47	44,04	44,05	20,3		
PSELFEXT @ 250 MHz	35,15	34,55	35,41	34,35	12,3		
min PSACR-Reserve / dB	16,2	13,6	13,1	16,0			
@ f / MHz	3,5	1,1	1,0	2,3			
PSACR Grenz. / dB	57,7	59,7	59,7	58,8			
PSACR @ 100 MHz	38,85	41,21	41,87	39,47	15,4		
PSACR @ 250 MHz	18,27	17,68	21,09	17,71	-5,8		
min RL-Reserve / dB	11,3	11,5	11,8	13,5			
@ f / MHz	49,6	186,4	164,7	48,8			
RL Grenzwert / dB	15,0	9,3	9,8	15,1			
<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	18,33	16,44	14,22	10,89	15,63	17,56	
@ f / MHz	1,82	14,19	3,46	1,09	31,08	1,12	
NEXT Grenzw. /dB	65,00	54,09	64,06	65,00	48,46	65,00	
NEXT @ 100 MHz	67,97	66,01	59,78	63,25	66,73	86,52	39,9
NEXT @ 250 MHz	55,25	58,05	52,23	54,39	52,38	64,48	33,1
min ELFEXT-Res. / dB	16,7	22,6	20,9	14,8	21,2	15,0	
@ f / MHz	1,0	1,8	1,0	1,0	1,9	1,0	
ELFEXT Grw. /dB	63,26	58,05	63,01	63,26	57,56	62,89	
ELFEXT @ 100 MHz	45,93	51,72	60,33	56,54	50,97	45,16	23,3
ELFEXT @ 250 MHz	35,93	47,67	44,81	48,04	41,01	35,93	15,3
min ACR-Reserve/ dB	18,5	17,0	14,4	10,9	16,6	17,7	
@ f / MHz	1,8	10,5	2,3	1,1	31,1	1,1	
ACR Grenzw. /dB	62,1	49,5	61,8	62,7	36,8	62,6	
ACR @ 100 MHz	48,47	46,51	40,28	43,72	47,20	66,79	18,2
ACR @ 250 MHz	23,75	26,55	20,73	23,03	21,03	32,30	-2,8

# NEXT / dB

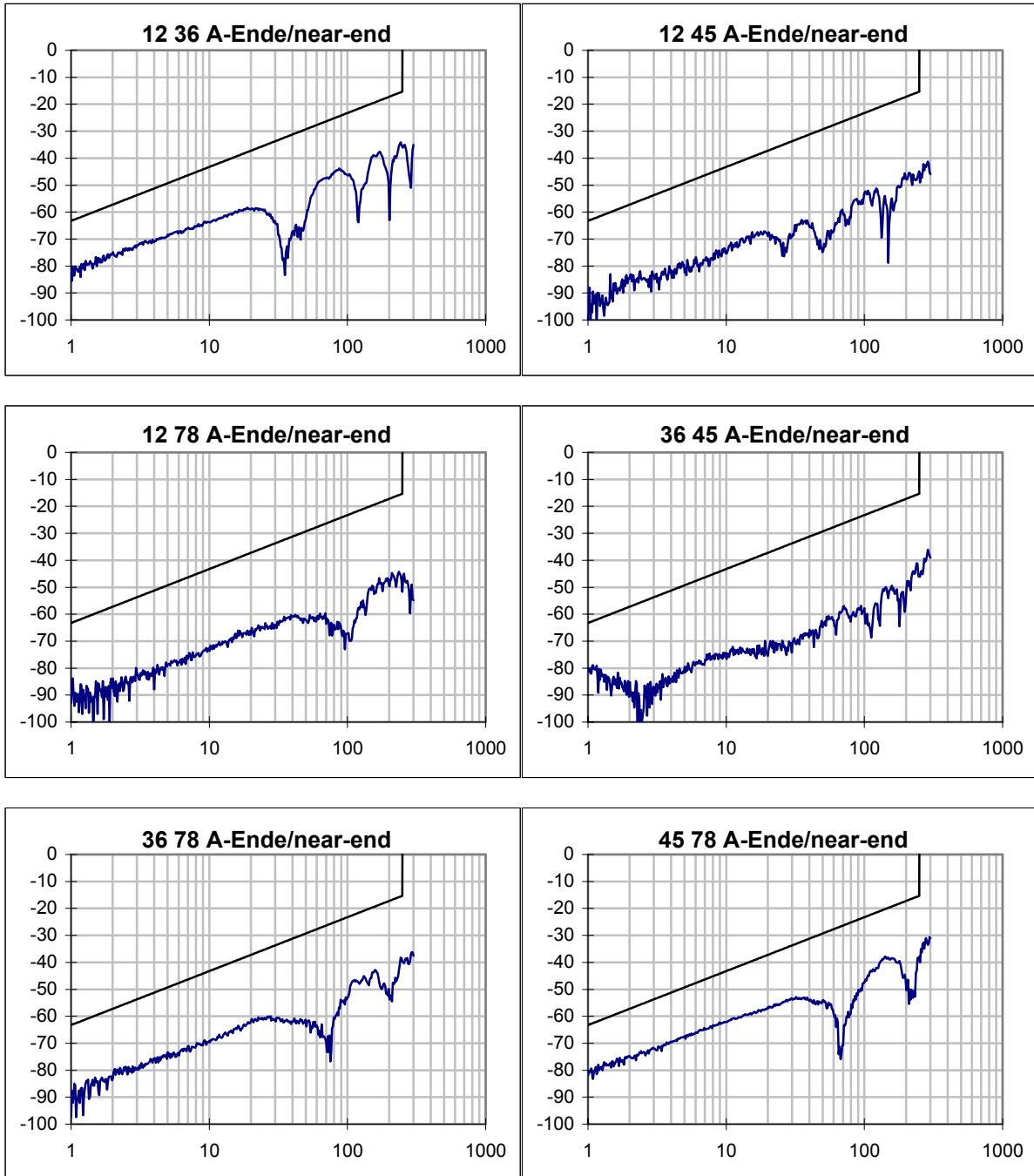


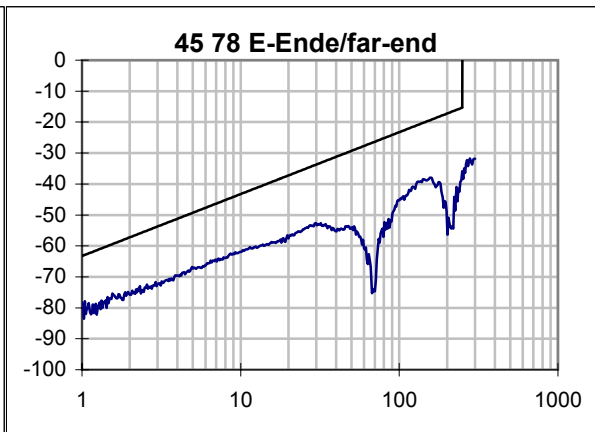
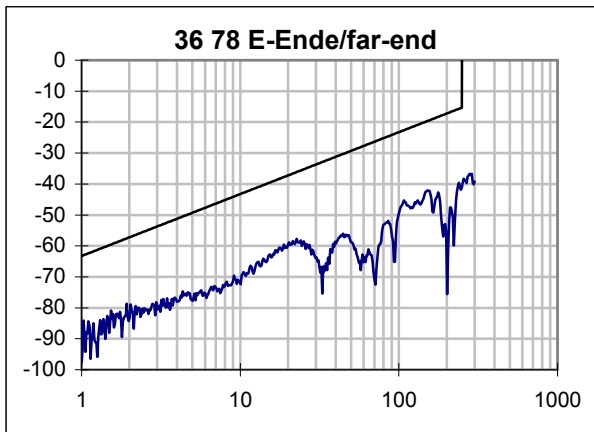
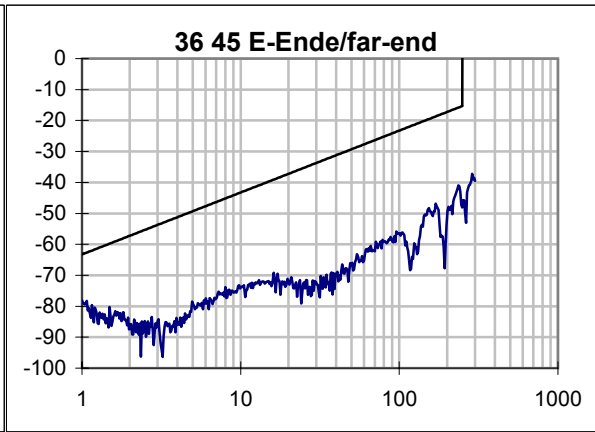
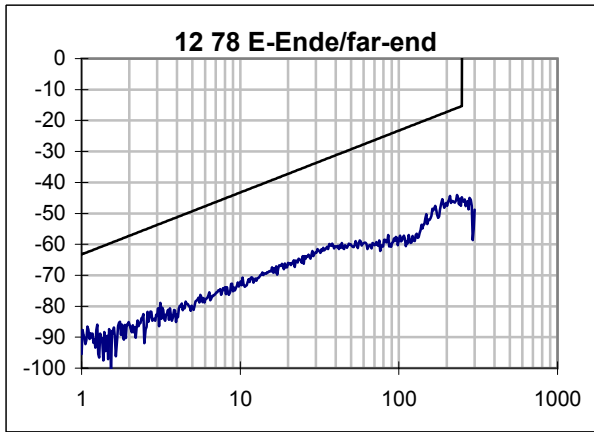
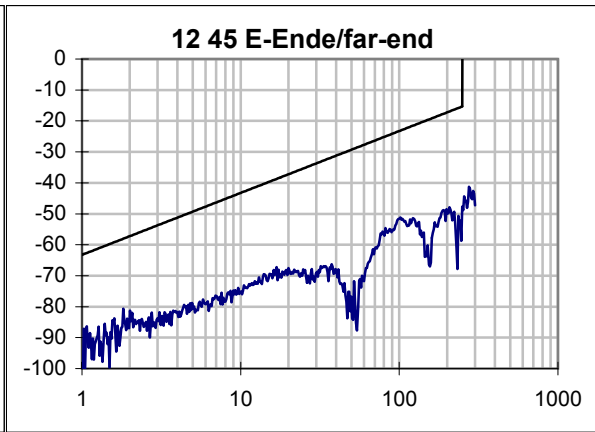
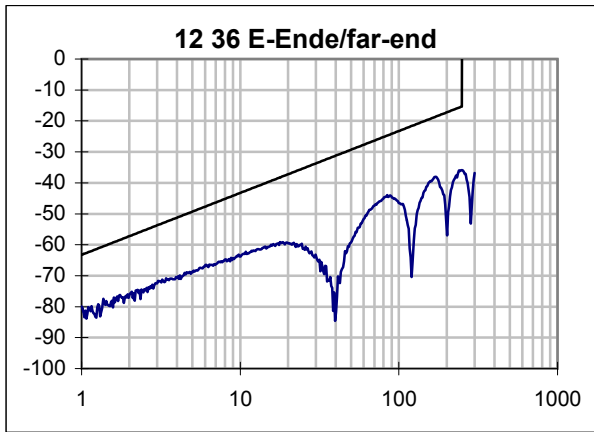


PSNEXT / dB

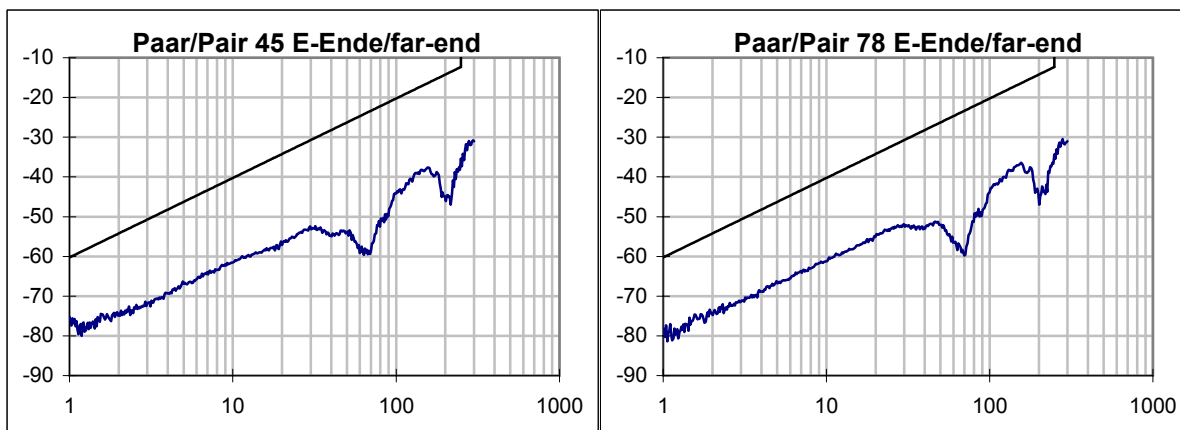
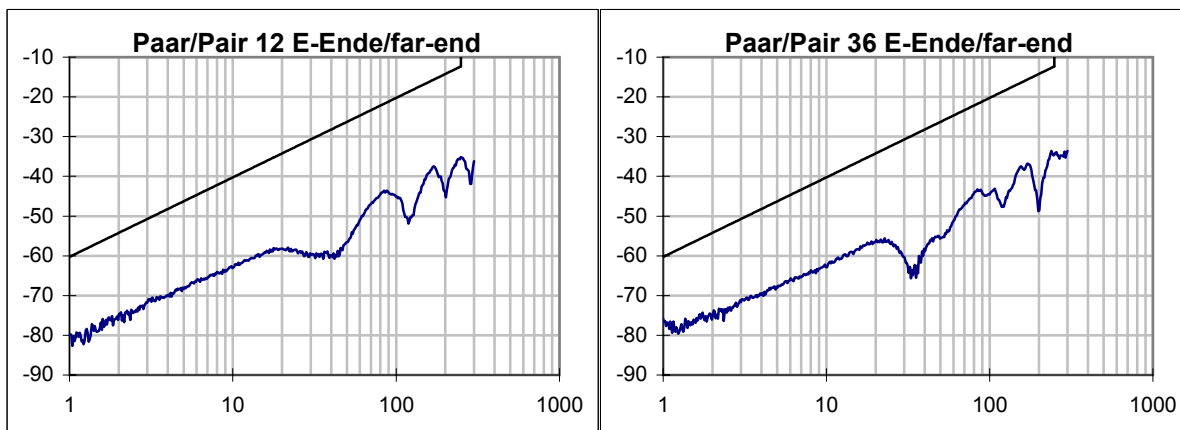
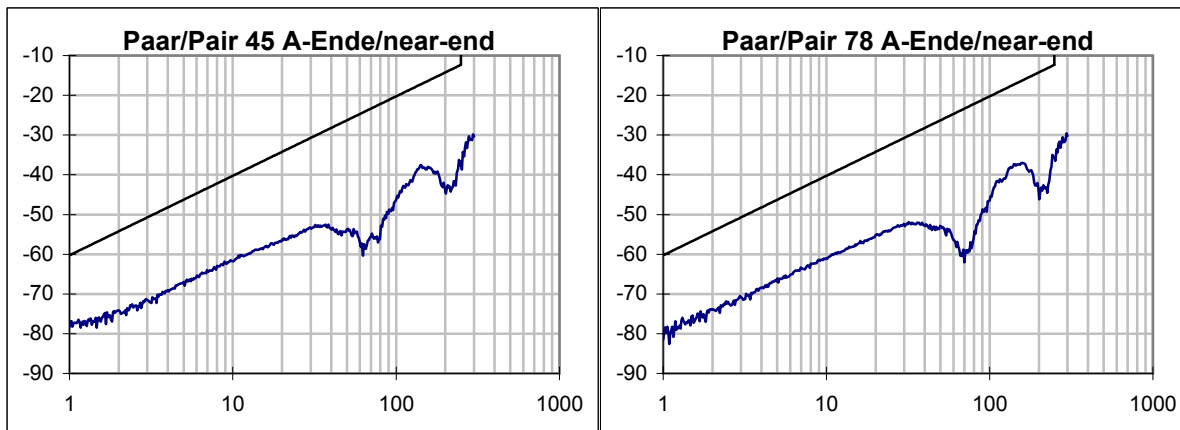
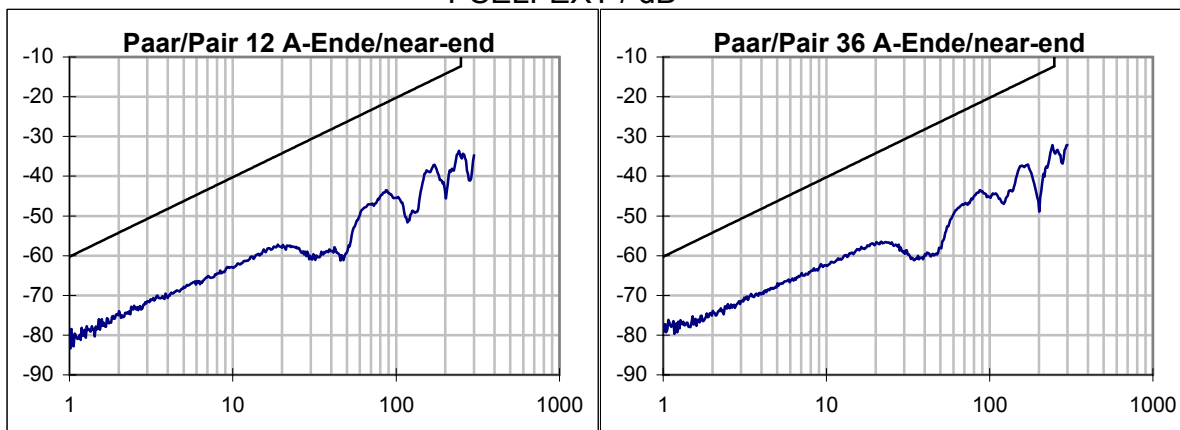


# ELFEXT / dB

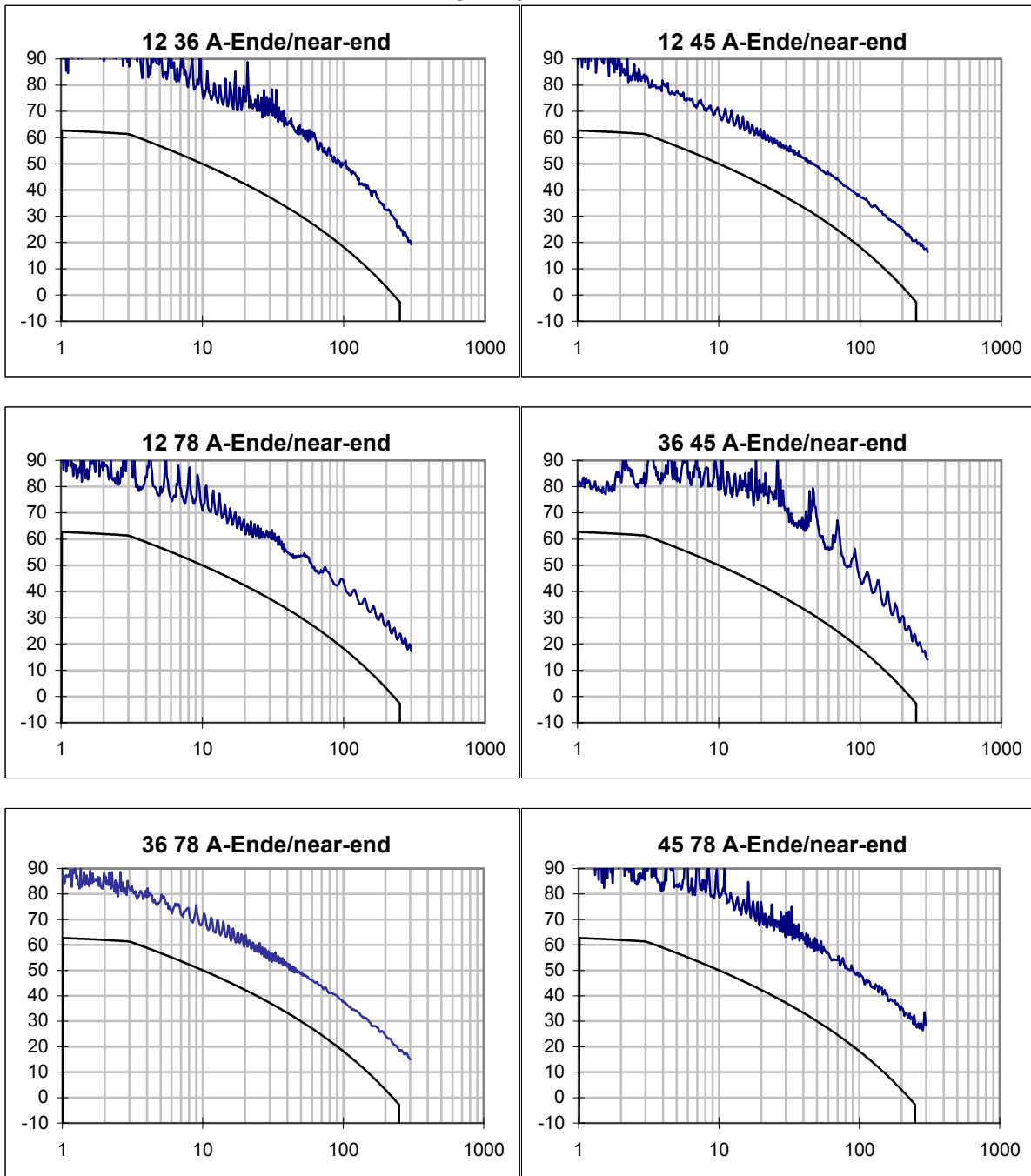




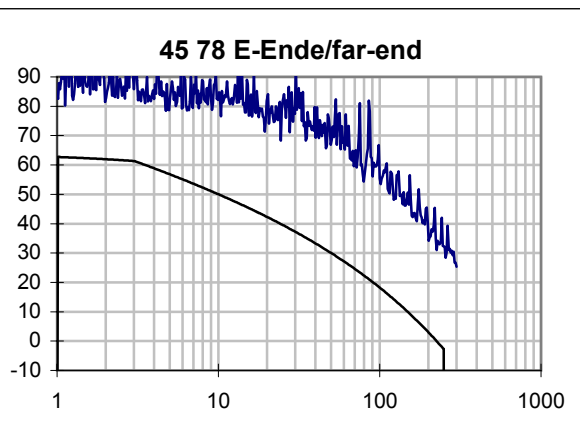
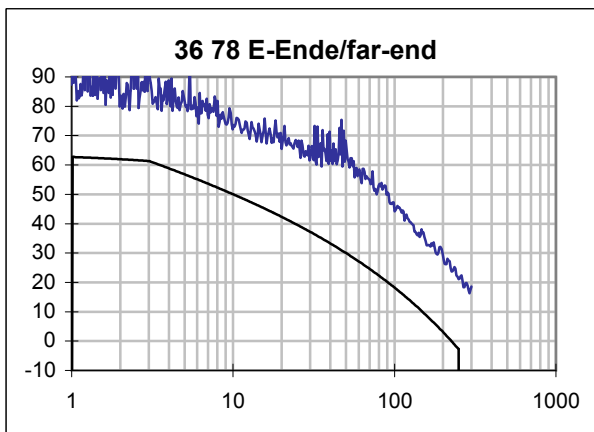
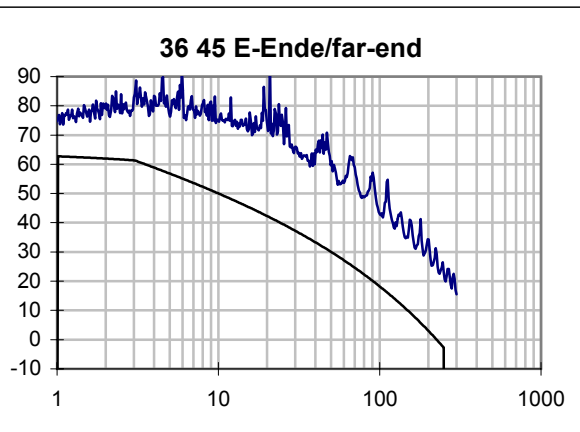
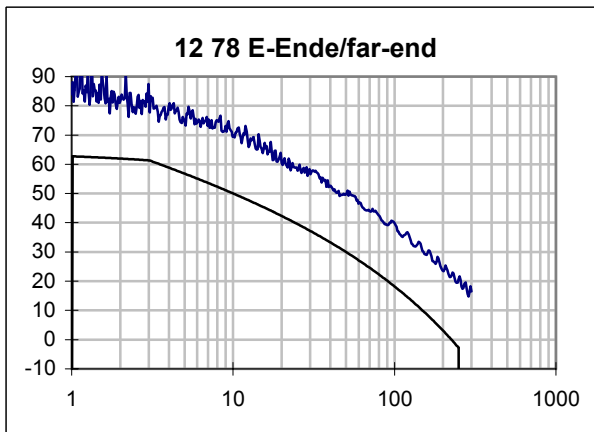
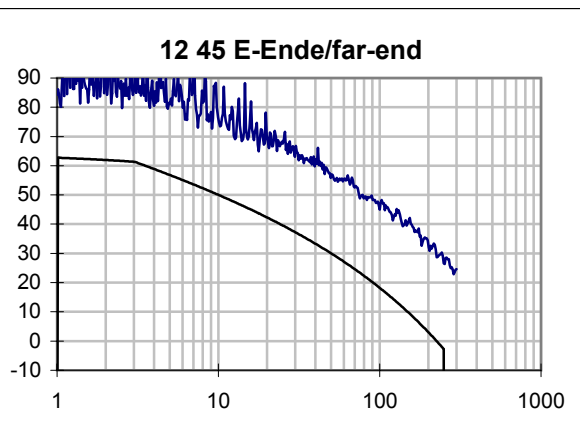
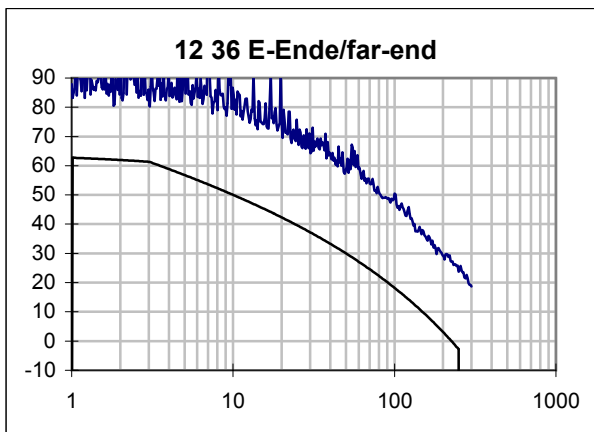
# PSELFEXT / dB



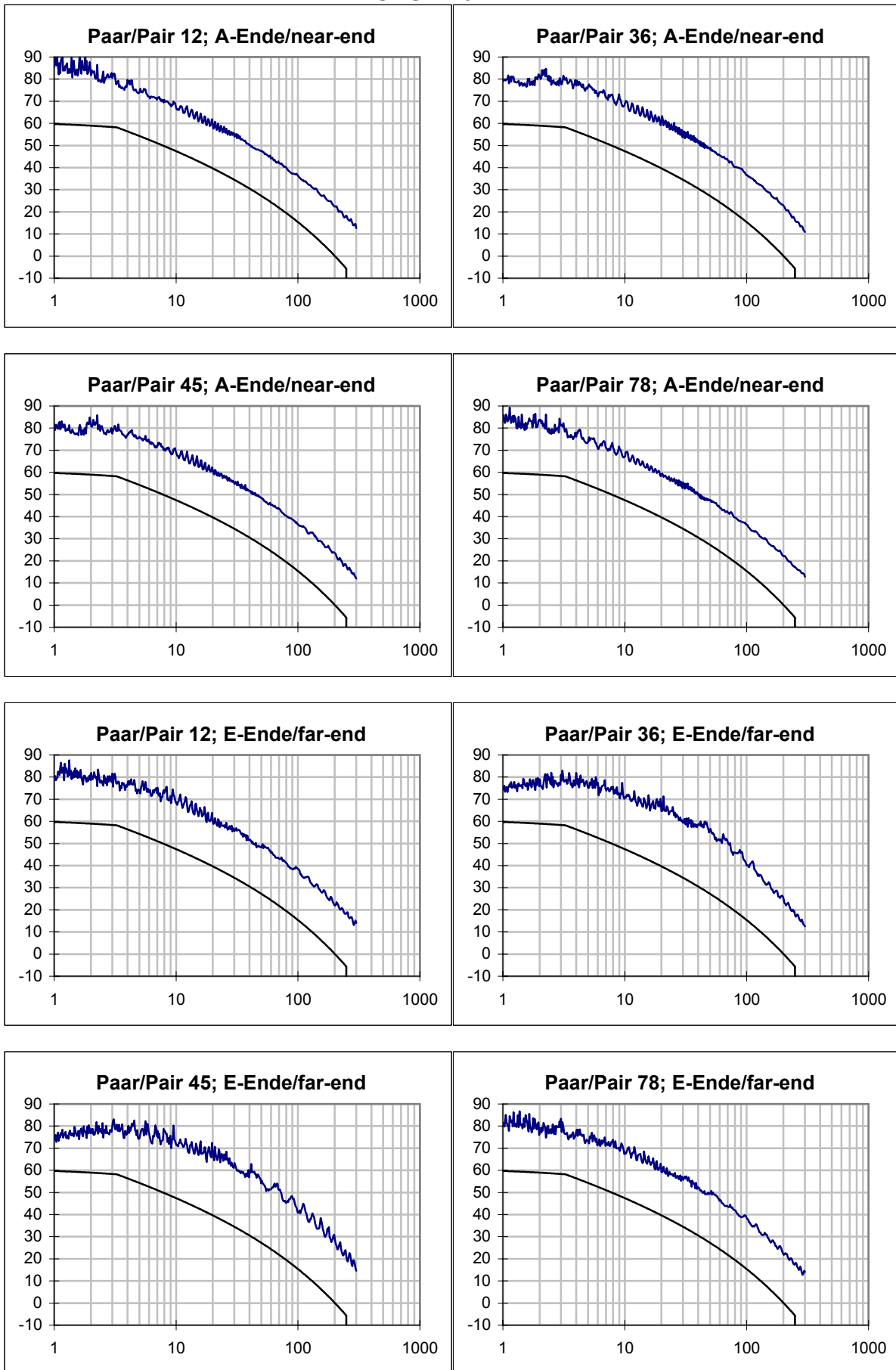
# ACR / dB



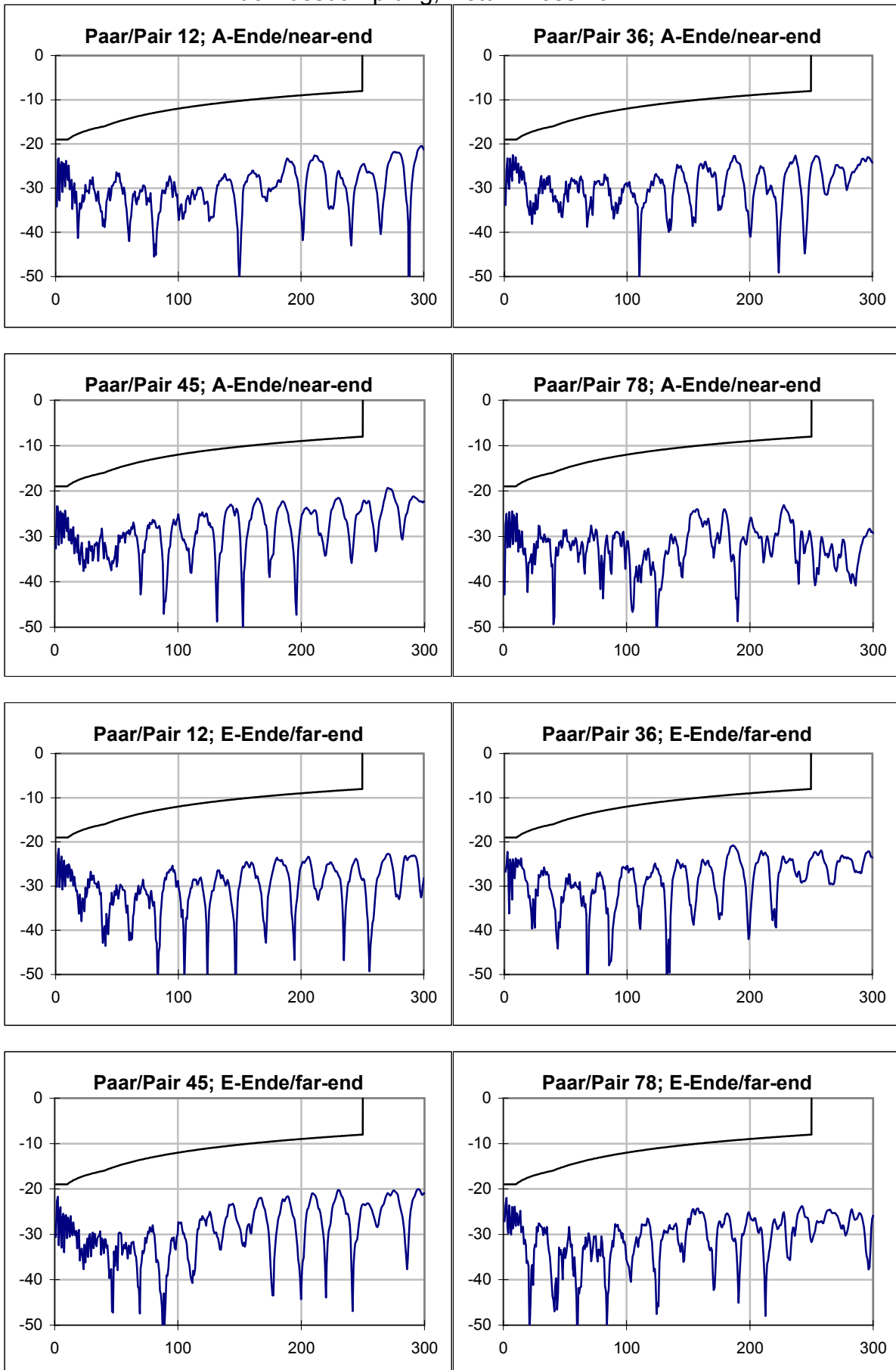




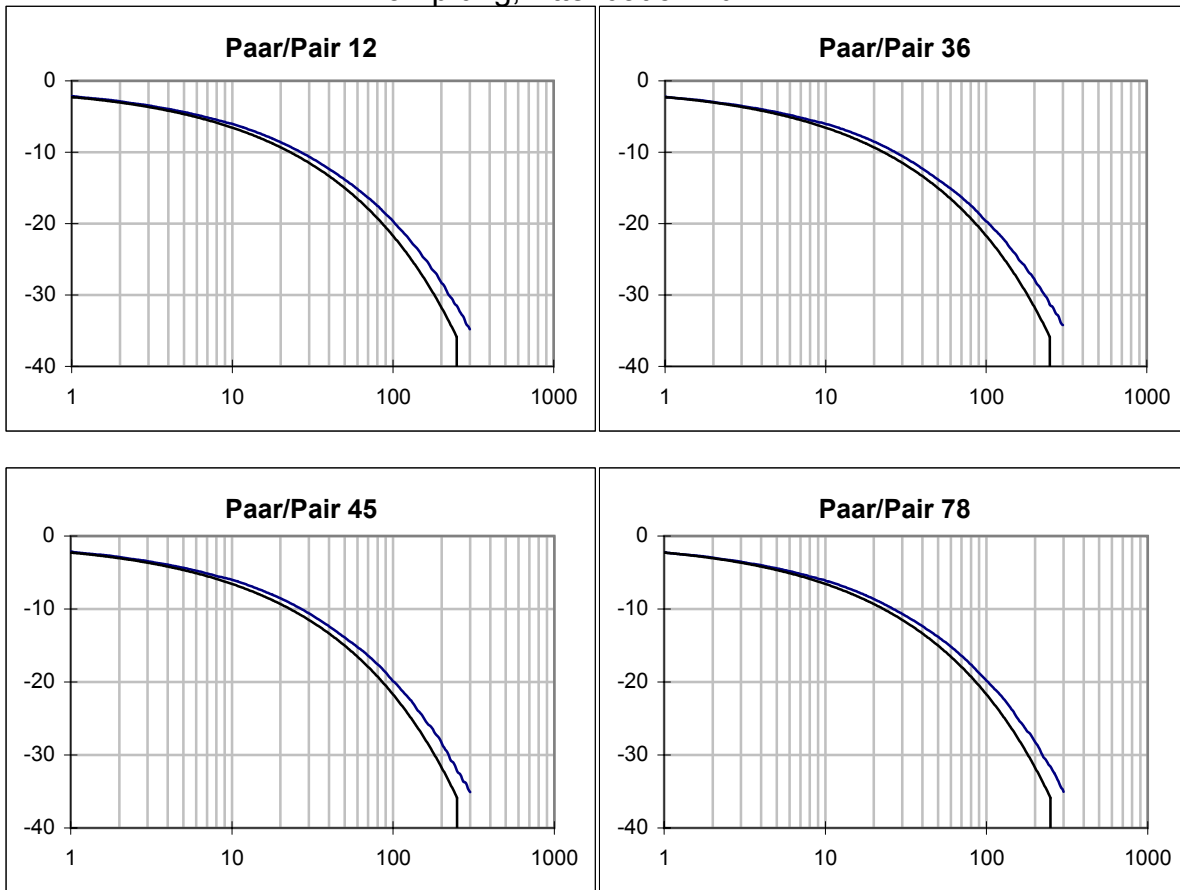
# PSACR / dB



# Rückflusdämpfung, Return Loss / dB



## Dämpfung, Attenuation / dB



## Phasen-Laufzeit, Phase-Delay / ns

