

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



# Draka Multimedia Cable

**Messaufbau:**

Patch-Kabel A-Ende: **5 m UC600 SS27 4P (AMP-Stecker)**  
Komponente A-Ende: **AMP Netconnect Kat6 Patchpanel 19" Nr. 336560**  
Tertiärkabel: **90 m Economy Cat.7**  
Komponente E-Ende: **AMP Netconnect Kat6 DIN Doppeldose Nr. 336539**  
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: 19.07.2002 Prüflabor: Draka Multimedia Cable  
Prüfer: Dr. C. Pfeiler Wohlaue Str. 15  
90475 Nürnberg

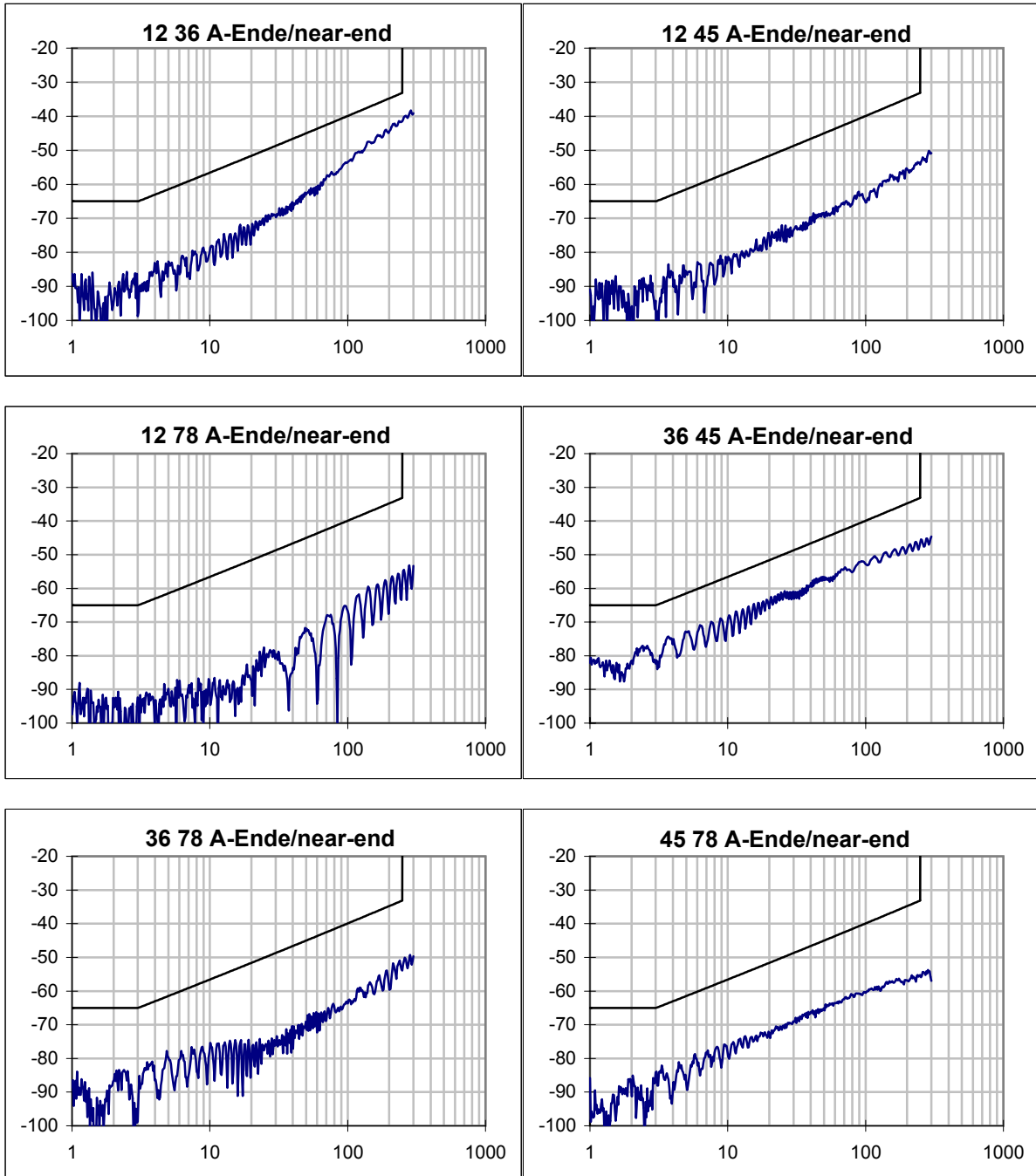
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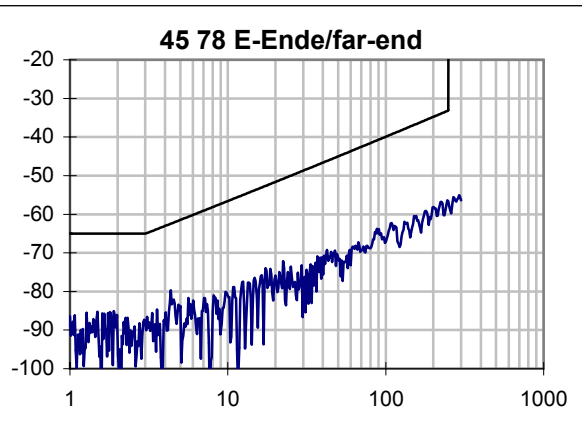
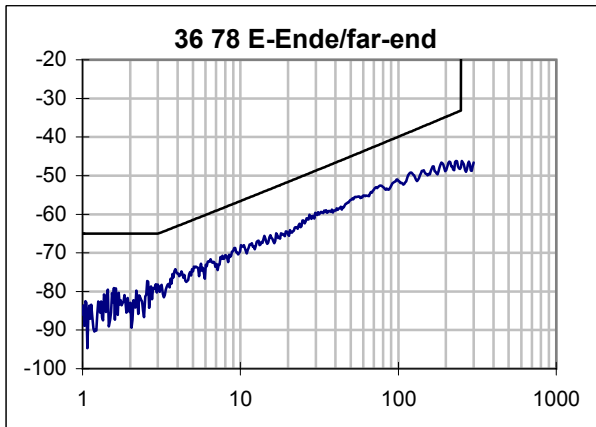
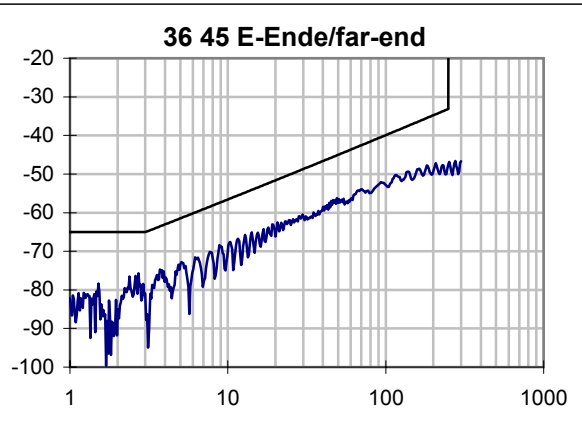
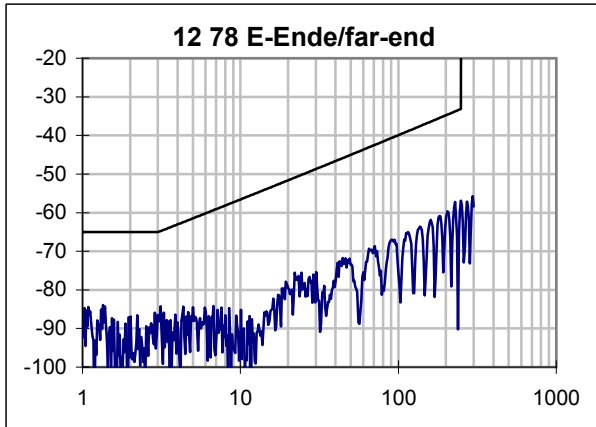
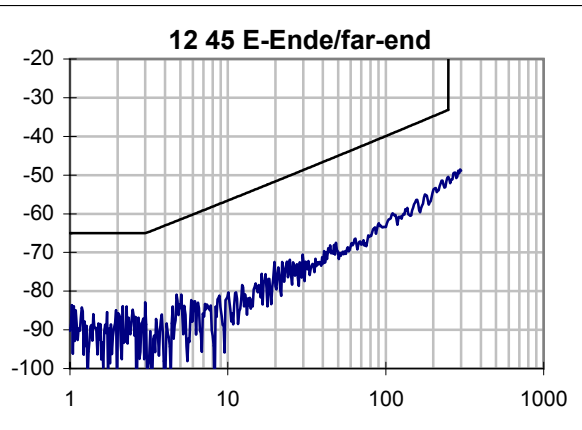
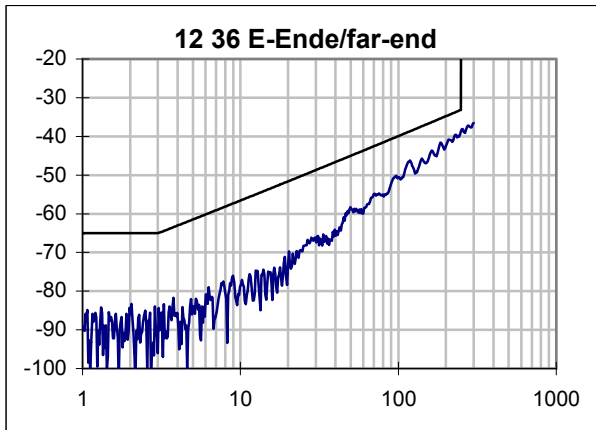
**Übersicht Ergebnisse:**

Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	455,1	464,2	457,3	458,2		9,1	50
Dämpfung @ 100MHz/dB	19,45	19,70	19,60	19,67	21,7		
Dämpfung @ 250MHz/dB	31,79	31,88	31,47	31,96	35,9		
min PSNEXT-Res. / dB	8,18	7,37	12,50	13,22			
@ f / MHz	249,24	184,74	3,71	3,88			
PSNEXT Gr. / dB	30,18	32,45	61,07	60,77			
PSNEXT @ 100 MHz	50,60	46,68	52,20	50,89	37,1		
PSNEXT @ 250 MHz	38,36	37,72	45,37	46,86	30,2		
min PSELFEXT-Res. / dB	16,98	14,80	15,80	20,85			
@ f / MHz	1,03	1,00	1,00	1,35			
PSELFEXT Gr. / dB	60,01	60,26	60,26	57,66			
PSELFEXT @ 100 MHz	42,45	43,56	41,60	46,73	20,3		
PSELFEXT @ 250 MHz	33,58	31,90	31,26	35,56	12,3		
min PSACR-Reserve / dB	12,1	10,1	12,5	13,2			
@ f / MHz	228,8	118,7	3,7	3,9			
PSACR Grenz. / dB	-3,4	12,0	57,0	56,6			
PSACR @ 100 MHz	31,16	27,07	32,52	31,19	15,4		
PSACR @ 250 MHz	6,56	5,91	13,55	15,02	-5,8		
min RL-Reserve / dB	5,9	4,5	7,8	6,2			
@ f / MHz	39,1	36,1	33,1	35,4			
RL Grenzwert / dB	16,0	16,2	16,4	16,3			

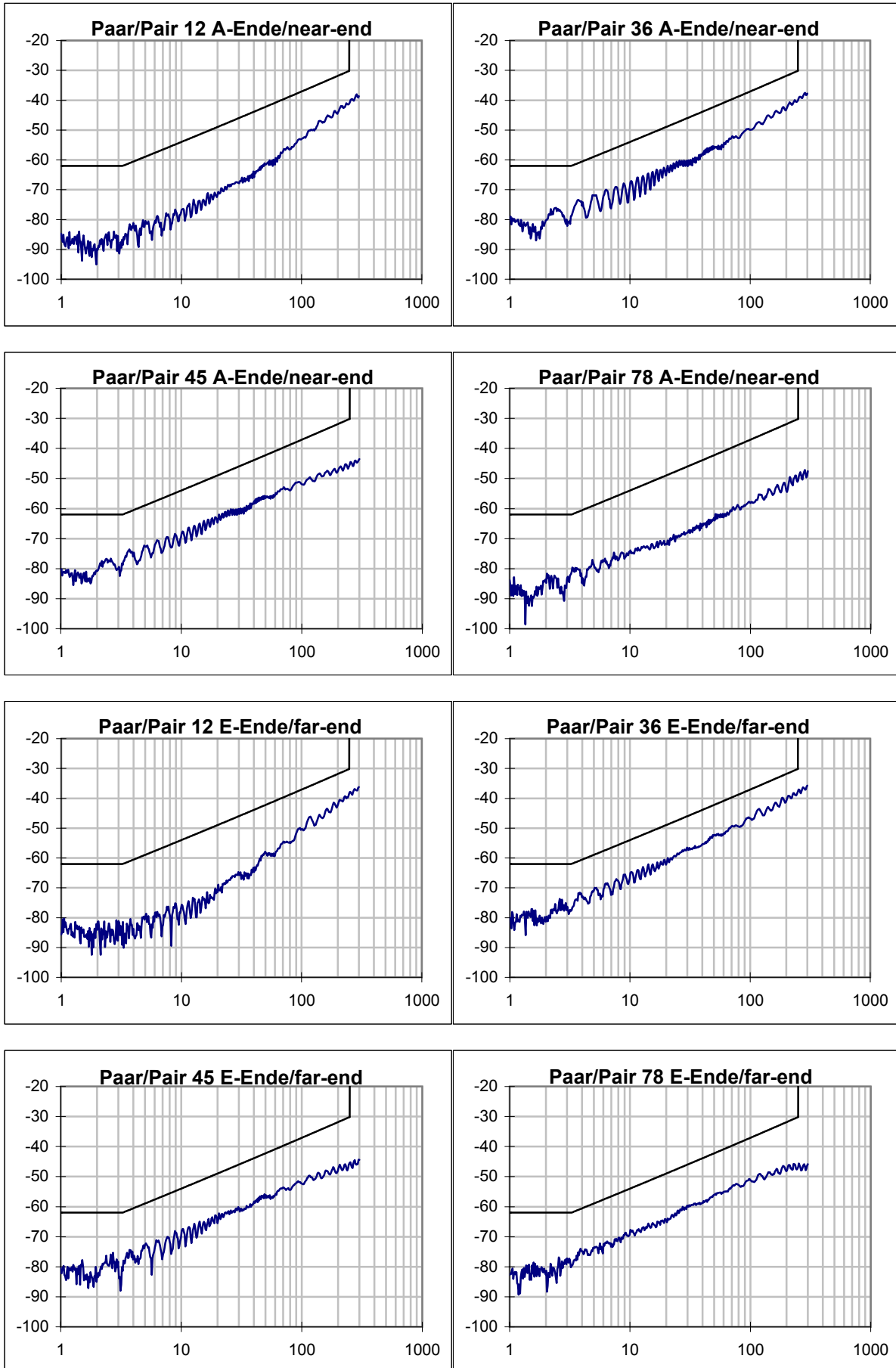
Kombination	12 36	12 45	12 78	36 45	36 78	45 78	Grenzwert
min NEXT-Reserve / dB	5,56	17,28	18,93	10,71	10,57	17,20	
@ f / MHz	249,24	249,24	1,35	2,71	118,74	4,34	
NEXT Grenzw. /dB	33,14	33,14	65,00	65,00	38,66	62,46	
NEXT @ 100 MHz	50,87	63,47	72,23	52,69	51,02	67,41	39,9
NEXT @ 250 MHz	38,70	50,41	56,88	47,51	47,85	56,63	33,1
min ELFEXT-Res. / dB	16,7	16,3	25,6	13,7	20,0	20,1	
@ f / MHz	153,5	1,0	1,1	1,0	1,3	1,1	
ELFEXT Grw. /dB	19,54	63,01	62,76	63,26	60,66	62,76	
ELFEXT @ 100 MHz	51,86	43,04	61,00	47,38	47,17	59,05	23,3
ELFEXT @ 250 MHz	38,91	35,11	56,88	34,68	37,53	40,04	15,3
min ACR-Reserve/ dB	9,5	18,0	19,0	10,7	11,0	17,3	
@ f / MHz	228,8	3,0	1,3	2,7	3,9	4,3	
ACR Grenzw. /dB	-0,4	61,3	62,4	61,5	59,1	58,1	
ACR @ 100 MHz	31,42	44,03	52,78	32,98	31,32	47,82	18,2
ACR @ 250 MHz	6,91	18,62	25,09	15,62	15,97	25,15	-2,8

# NEXT / dB

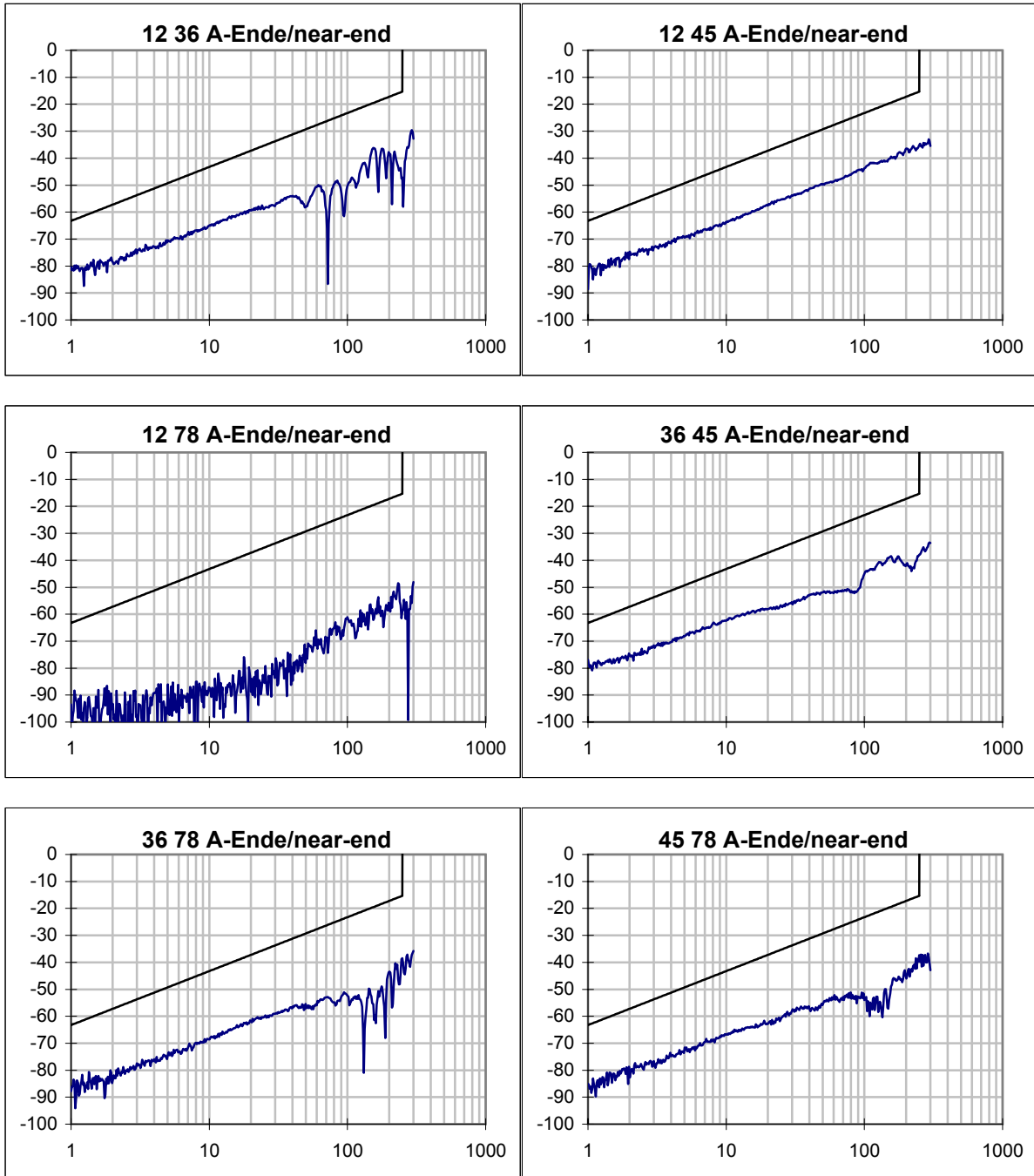


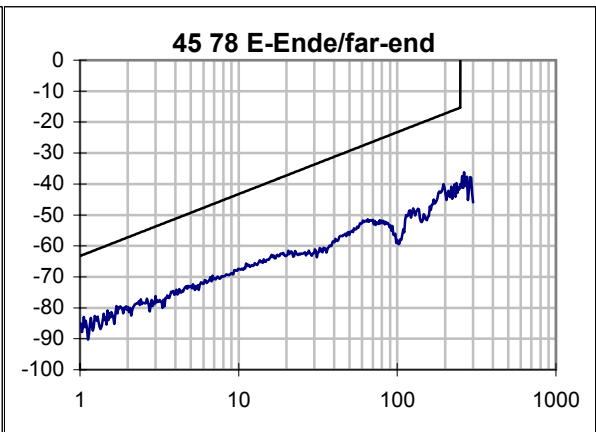
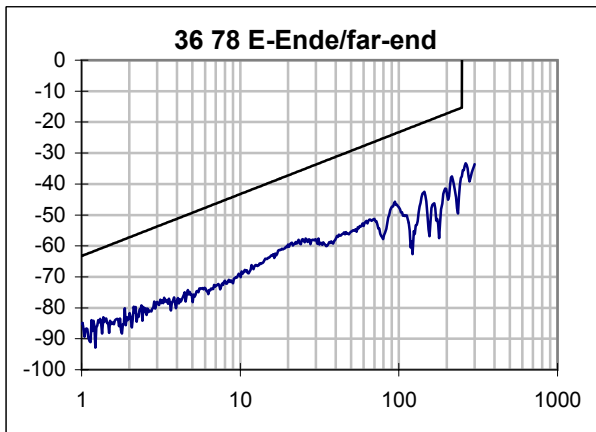
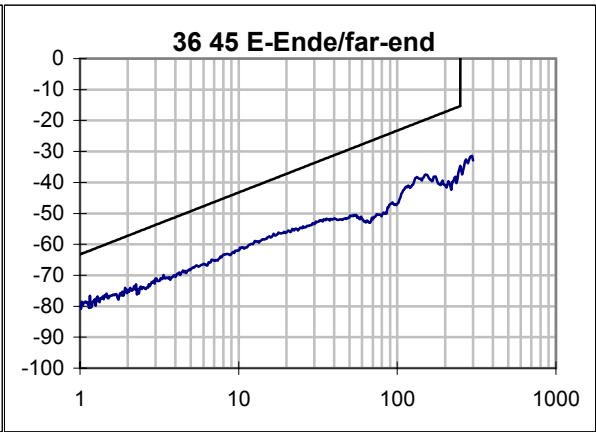
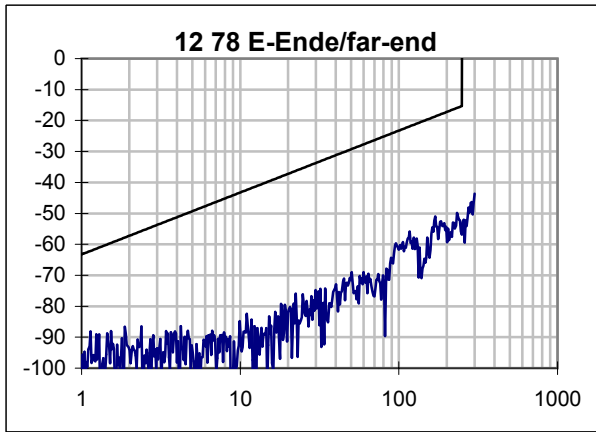
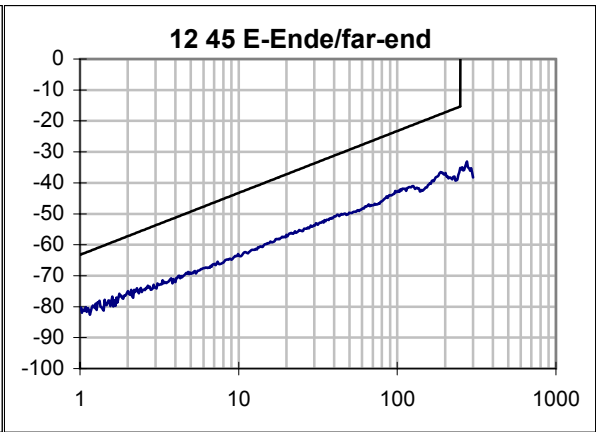
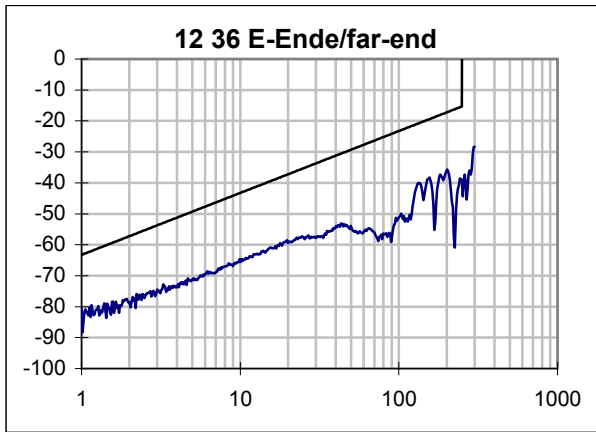


# PSNEXT / dB

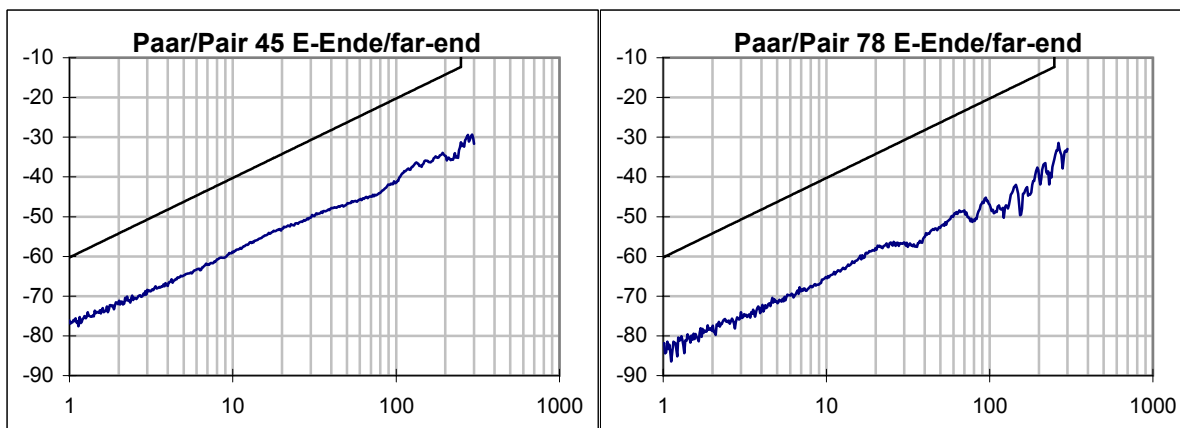
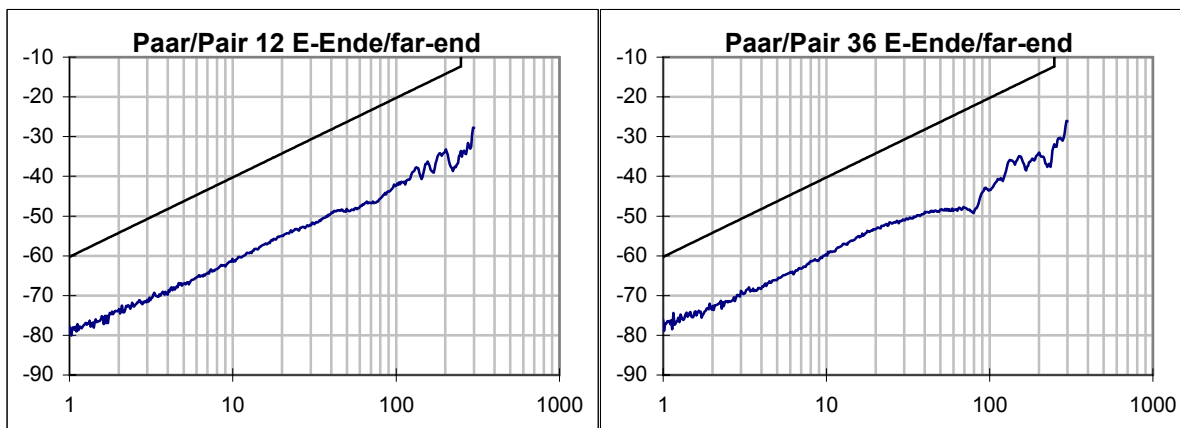
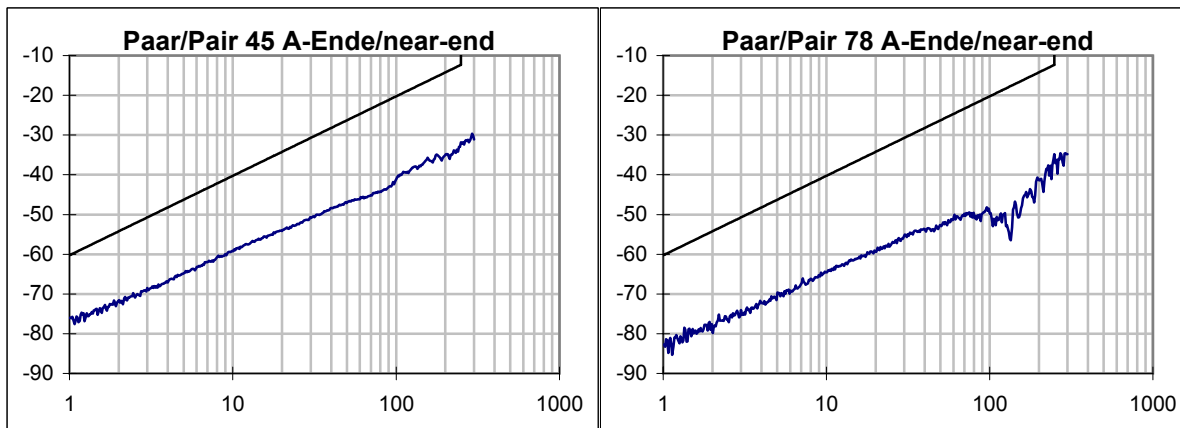
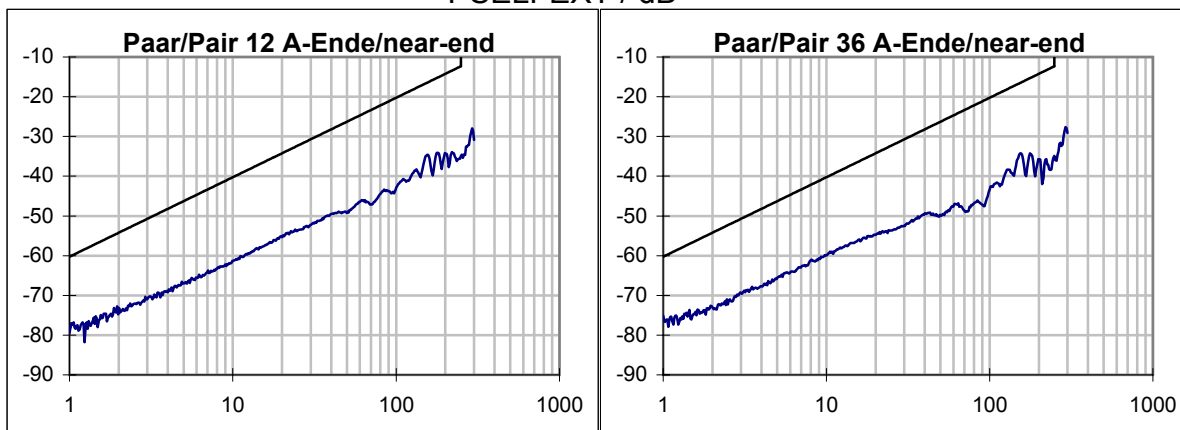


# ELFEXT / dB

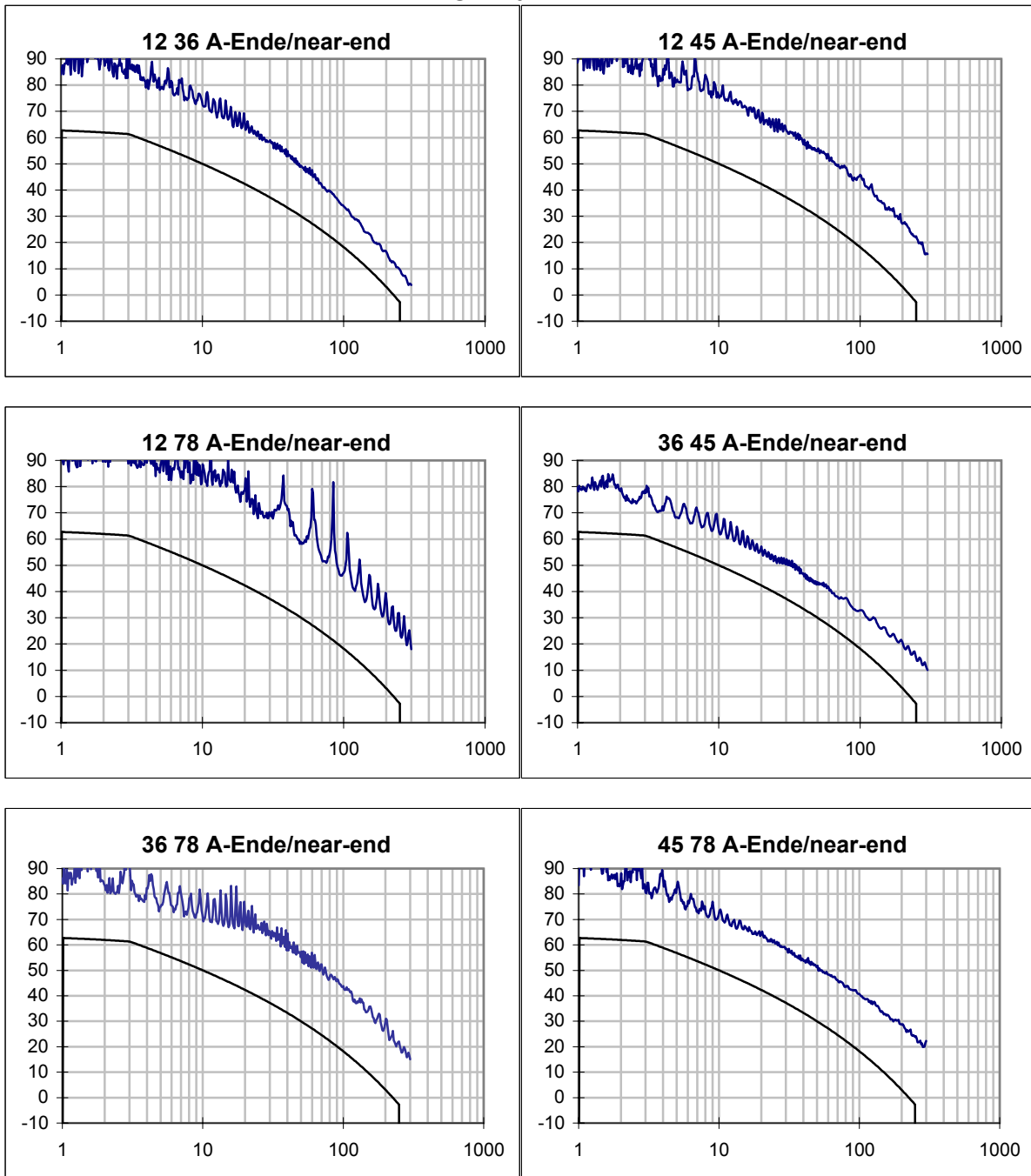




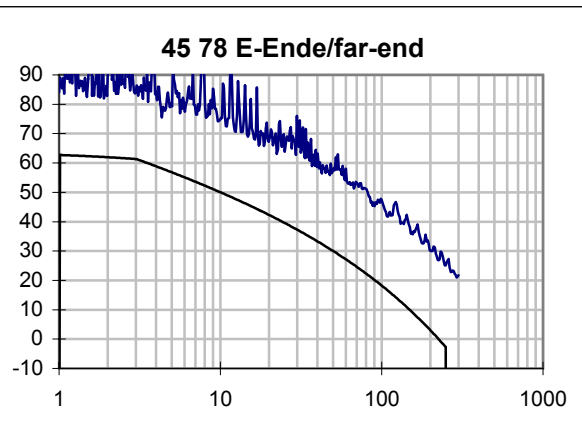
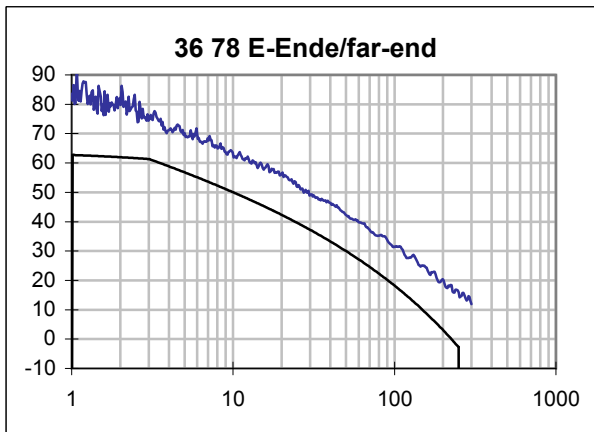
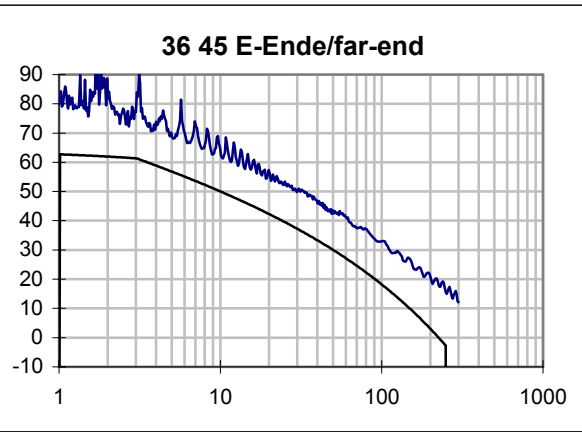
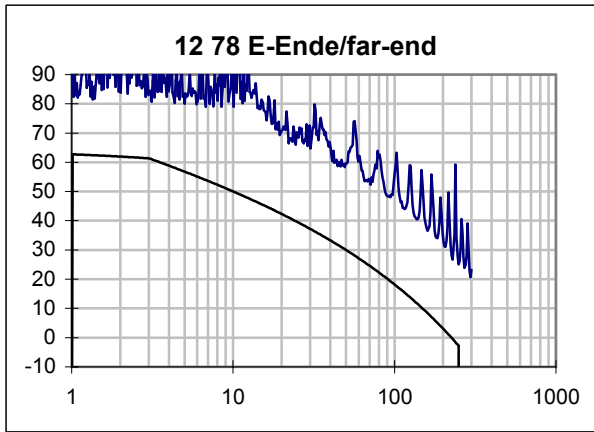
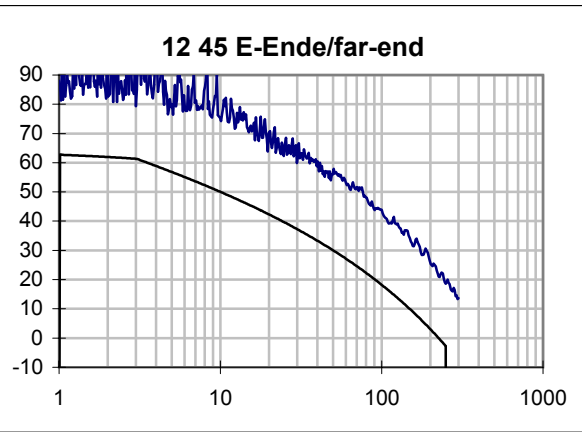
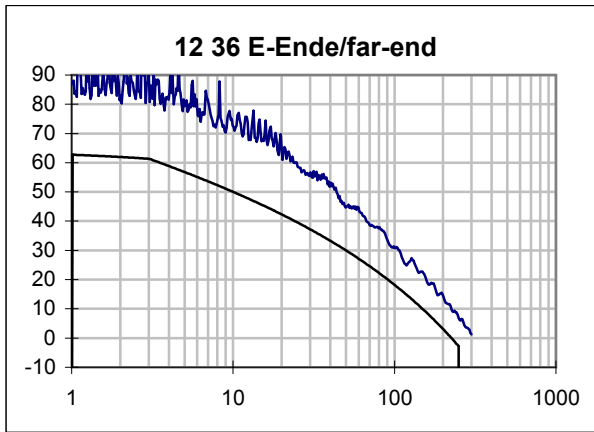
# PSELFEXT / dB



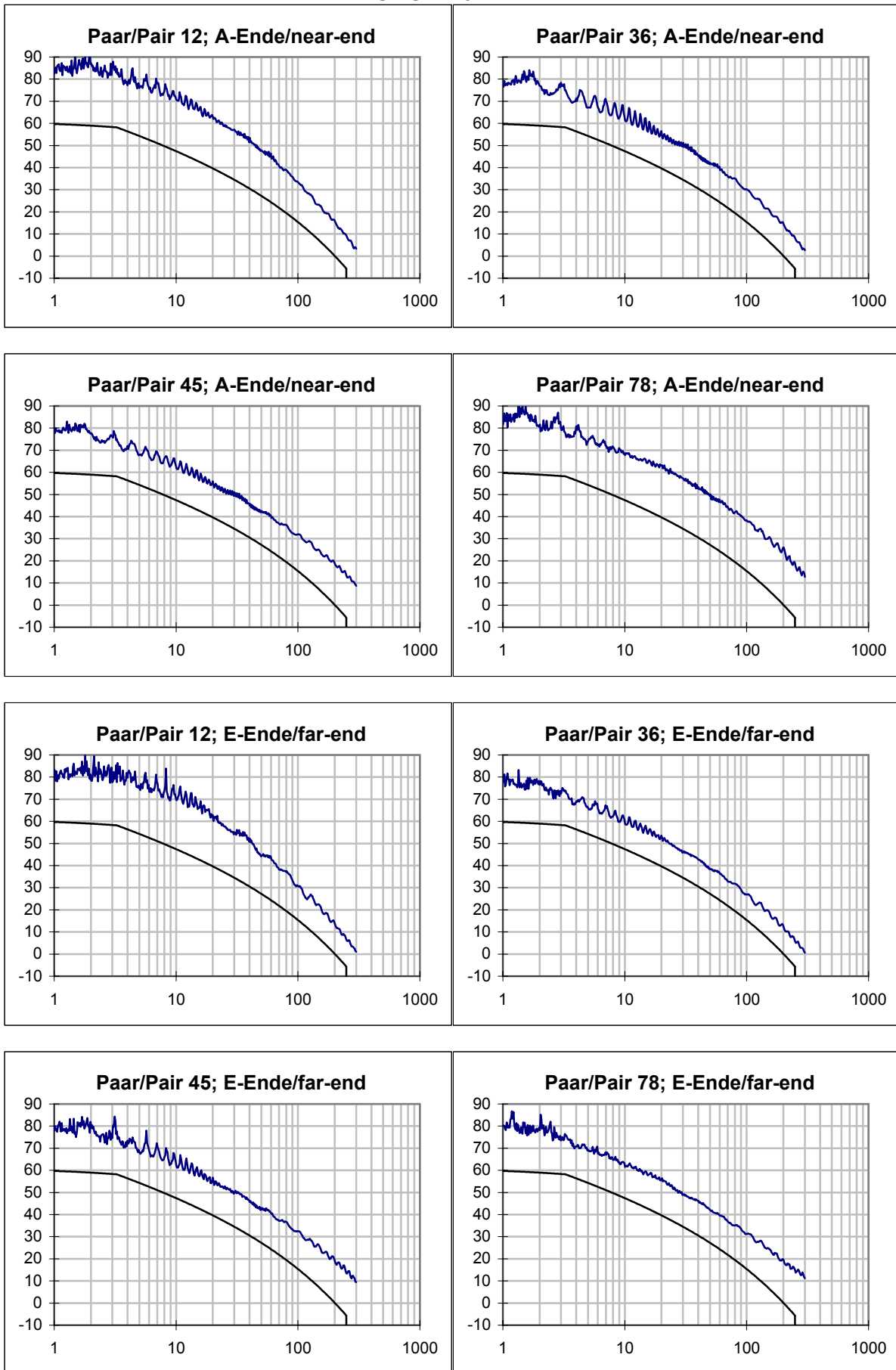
# ACR / dB



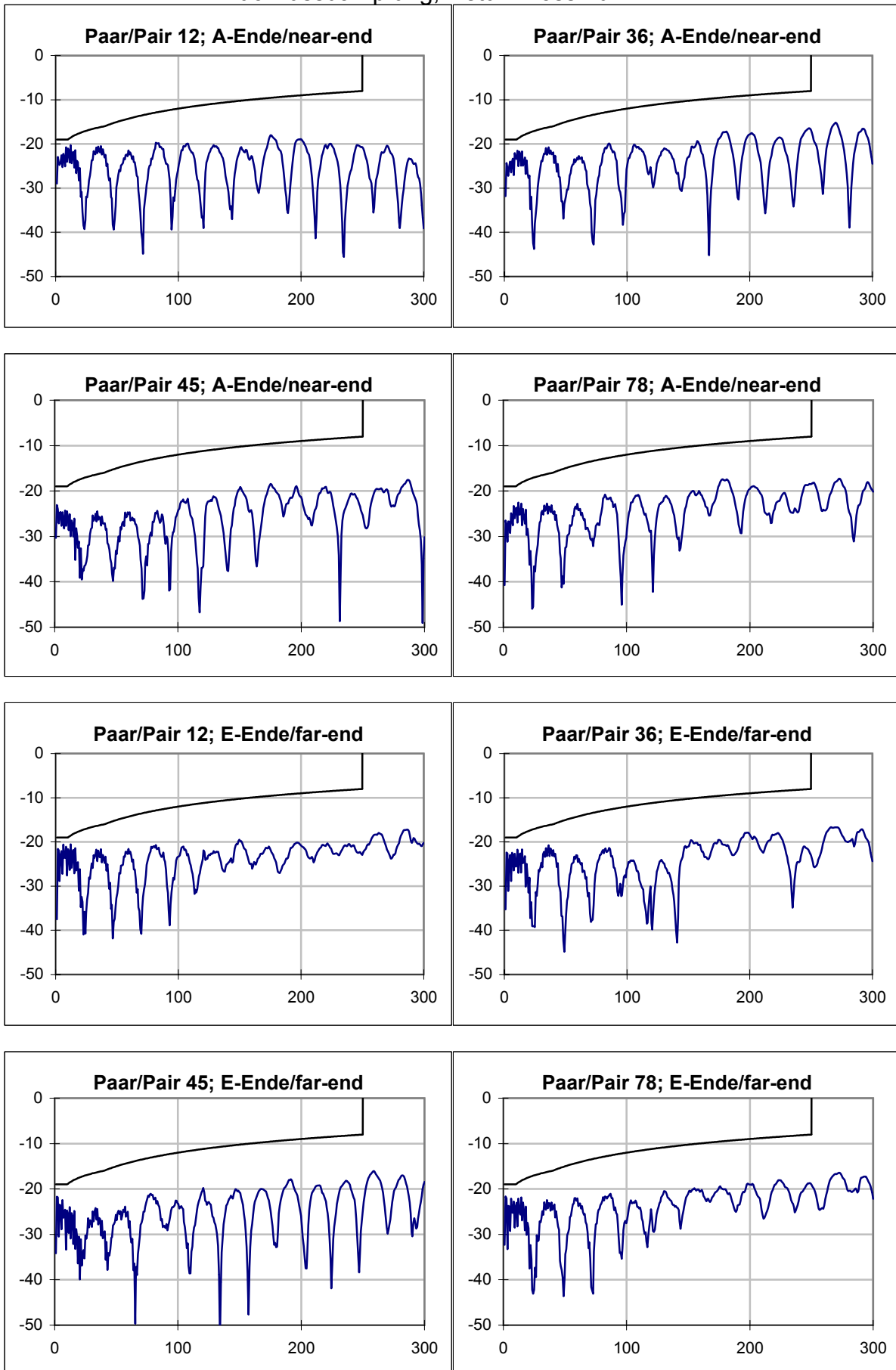




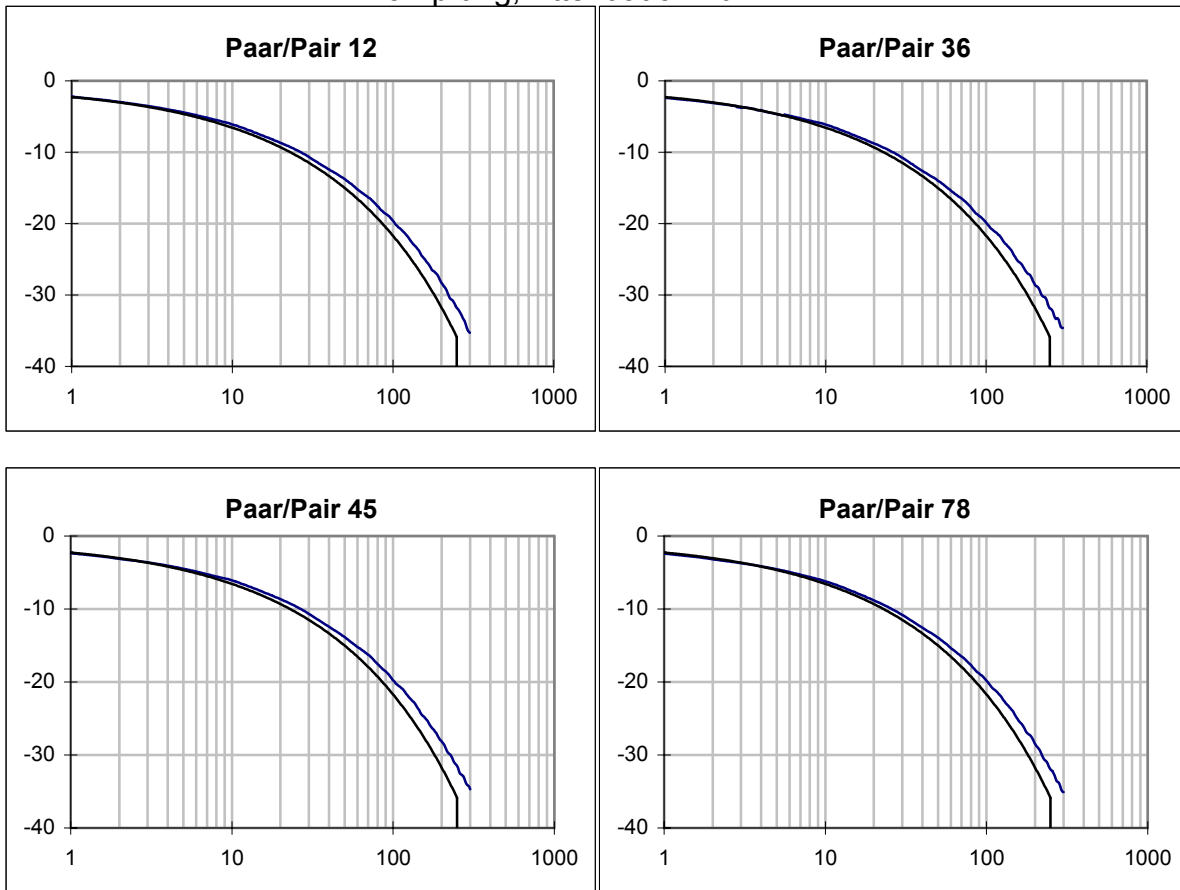
# PSACR / dB



# Rückflusdämpfung, Return Loss / dB



## Dämpfung, Attenuation / dB



## Phasen-Laufzeit, Phase-Delay / ns

