

**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 UC600 SS22 4P**  
 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: 14.08.2002 Prüflabor: Draka Multimedia Cable  
 Prüfer: Dr. C. Pfeiler Wohlaue Str. 15  
 90475 Nürnberg

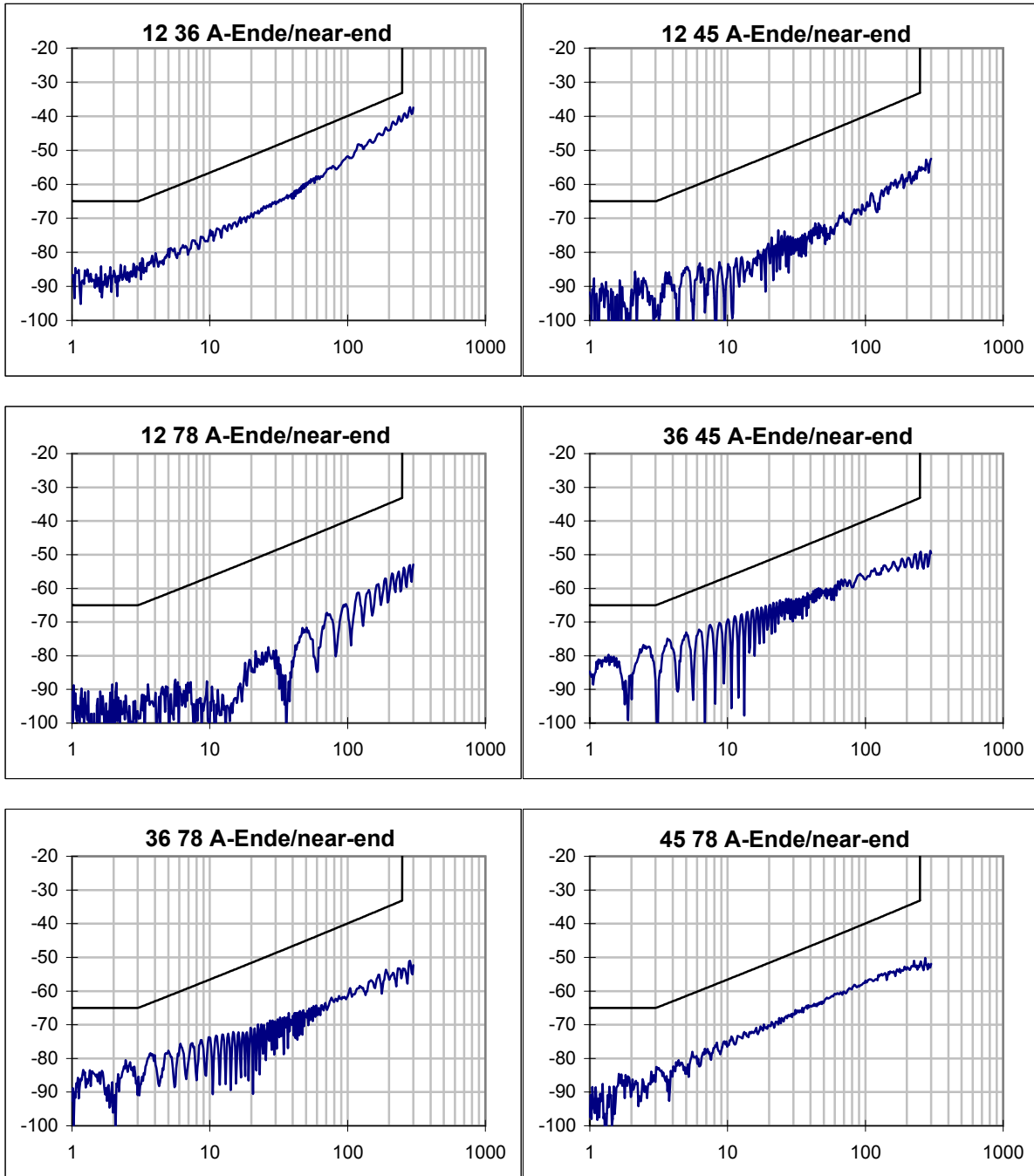
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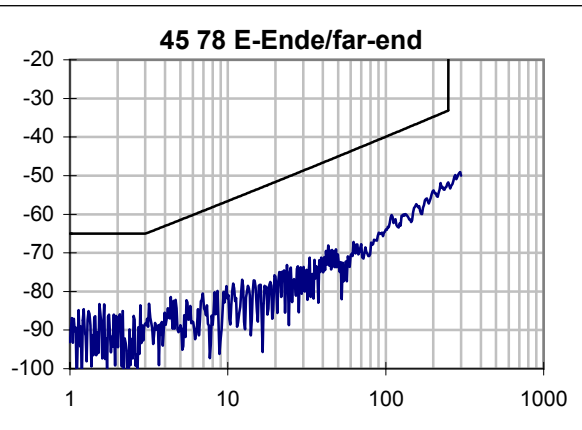
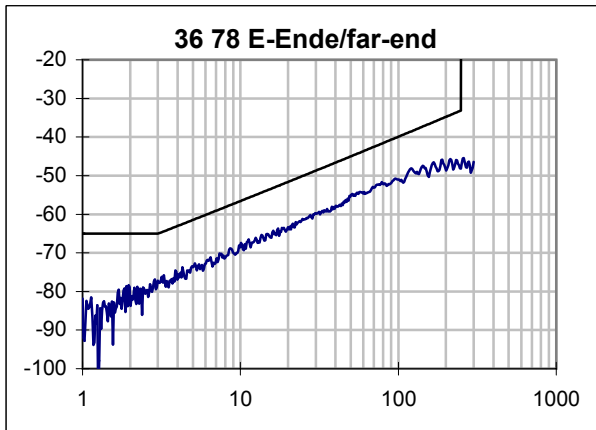
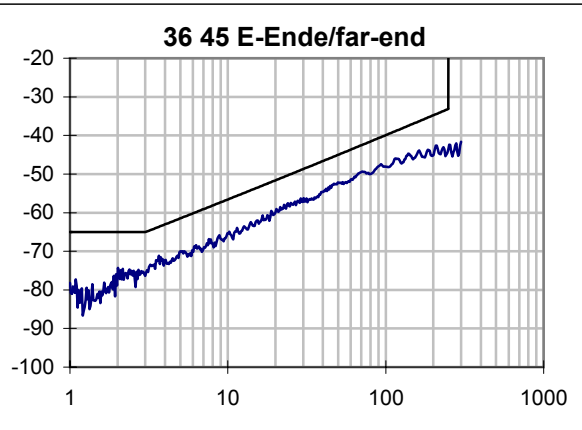
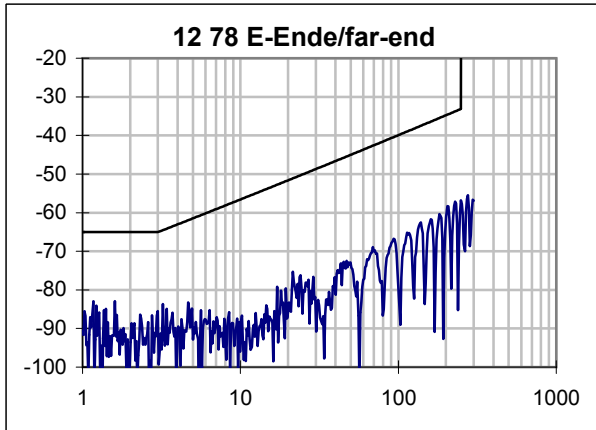
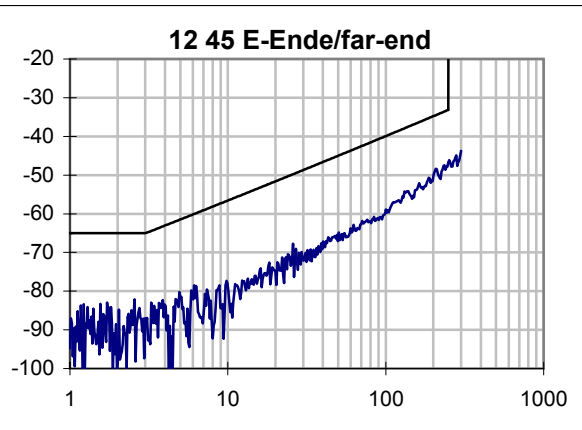
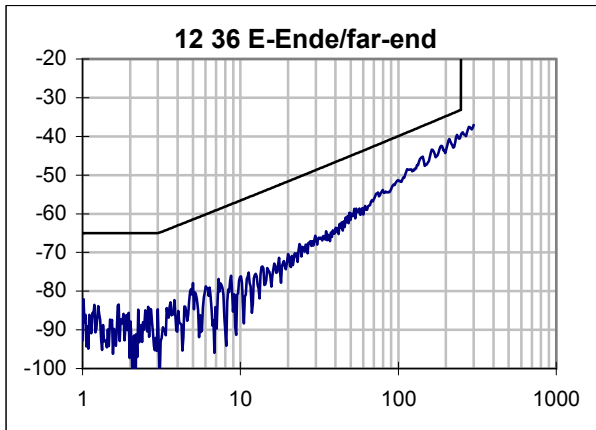
**Übersicht Ergebnisse:**

Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	458,1	475,8	457,4	463,0		18,7	50
Dämpfung @ 100MHz/dB	18,18	18,84	18,14	18,35	21,7		
Dämpfung @ 250MHz/dB	29,73	30,60	29,34	30,03	35,9		
min PSNEXT-Res. / dB	8,34	6,36	9,46	12,25			
@ f / MHz	235,42	162,49	115,40	120,44			
PSNEXT Gr. / dB	30,61	33,42	36,00	35,68			
PSNEXT @ 100 MHz	50,79	45,08	47,68	50,78	37,1		
PSNEXT @ 250 MHz	38,79	37,77	41,47	46,21	30,2		
min PSELFEXT-Res. / dB	17,08	14,72	15,39	20,28			
@ f / MHz	1,22	1,00	1,01	1,03			
PSELFEXT Gr. / dB	58,52	60,26	60,13	60,01			
PSELFEXT @ 100 MHz	45,18	41,05	41,13	43,13	20,3		
PSELFEXT @ 250 MHz	32,97	31,28	31,55	35,08	12,3		
min PSACR-Reserve / dB	13,8	9,0	9,9	13,5			
@ f / MHz	162,5	3,7	3,7	3,2			
PSACR Grenz. / dB	5,1	57,2	57,2	58,2			
PSACR @ 100 MHz	32,61	26,39	28,89	31,97	15,4		
PSACR @ 250 MHz	9,06	7,72	11,22	16,00	-5,8		
min RL-Reserve / dB	6,9	5,2	10,0	7,7			
@ f / MHz	85,5	201,3	216,3	181,2			
RL Grenzwert / dB	12,7	9,0	8,6	9,4			

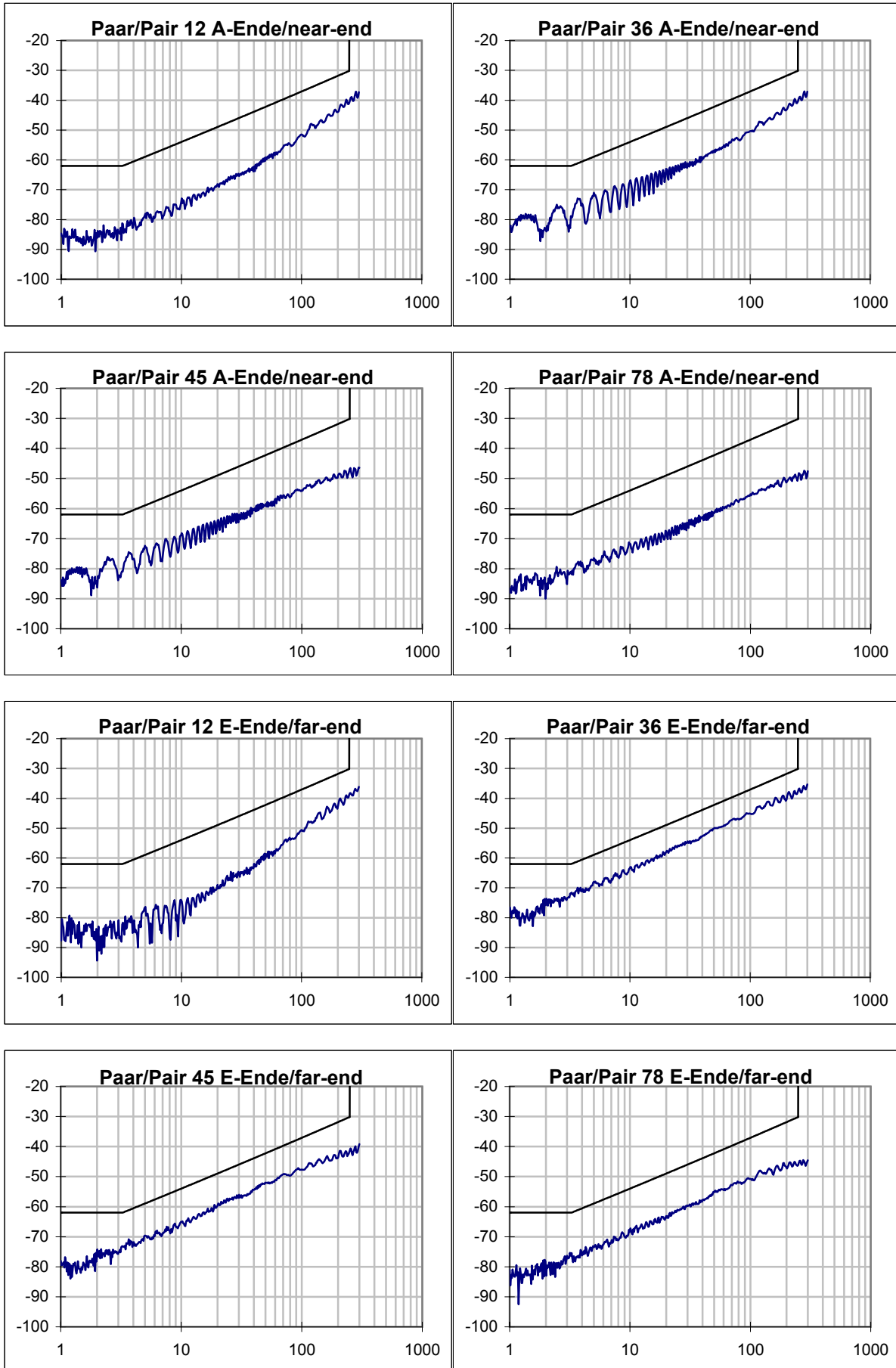
Kombination	12 36	12 45	12 78	36 45	36 78	45 78	Grenzwert
min NEXT-Reserve / dB	6,07	13,56	17,90	6,94	9,56	16,87	
@ f / MHz	235,42	249,24	1,60	70,06	120,44	83,13	
NEXT Grenzw. /dB	33,56	33,14	65,00	42,54	38,55	41,29	
NEXT @ 100 MHz	51,35	60,09	75,36	48,04	50,98	64,48	39,9
NEXT @ 250 MHz	39,64	46,70	56,78	43,65	48,20	51,74	33,1
min ELFEXT-Res. / dB	15,5	17,0	24,8	13,9	20,5	19,3	
@ f / MHz	222,4	1,2	1,0	1,0	1,3	1,0	
ELFEXT Grw. /dB	16,32	61,52	62,89	63,26	61,03	63,01	
ELFEXT @ 100 MHz	48,04	49,09	56,35	43,91	46,54	46,18	23,3
ELFEXT @ 250 MHz	36,82	35,48	49,00	34,85	36,81	40,50	15,3
min ACR-Reserve/ dB	11,5	17,4	18,1	7,7	11,4	17,8	
@ f / MHz	162,5	2,6	1,6	3,7	4,3	5,5	
ACR Grenzw. /dB	8,0	61,6	62,2	59,6	58,2	55,9	
ACR @ 100 MHz	33,17	41,91	57,18	29,20	32,14	46,34	18,2
ACR @ 250 MHz	9,91	16,97	27,05	13,05	17,60	22,40	-2,8

# NEXT / dB

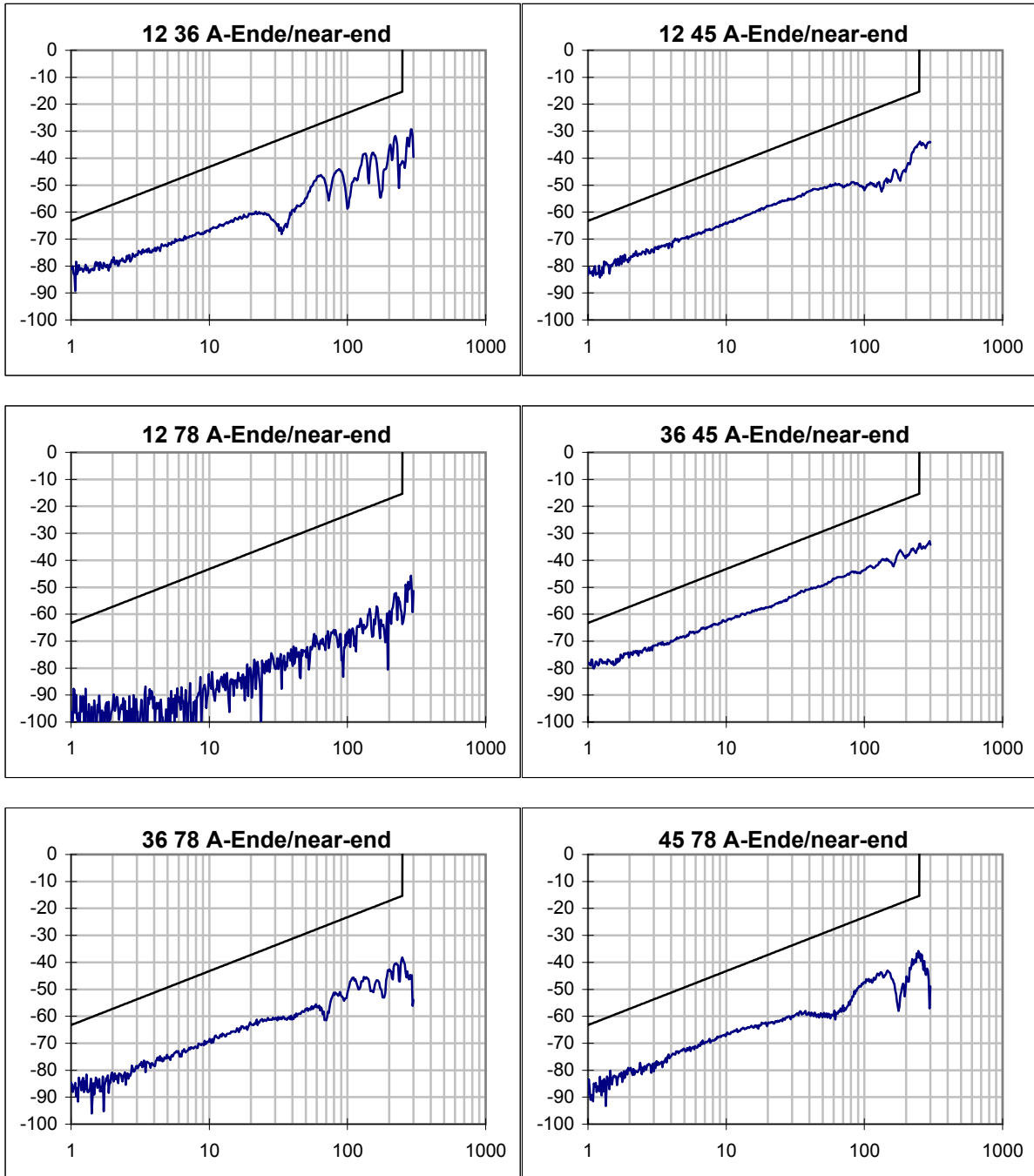


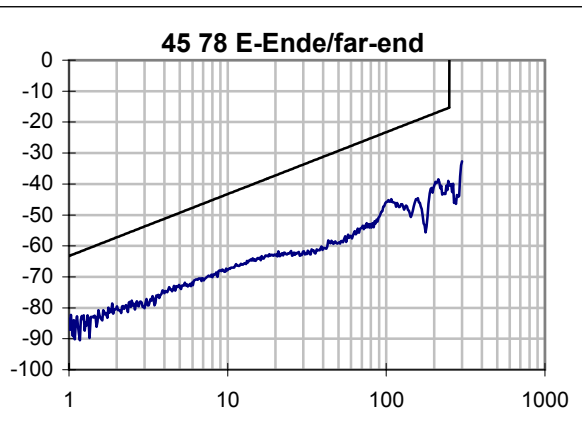
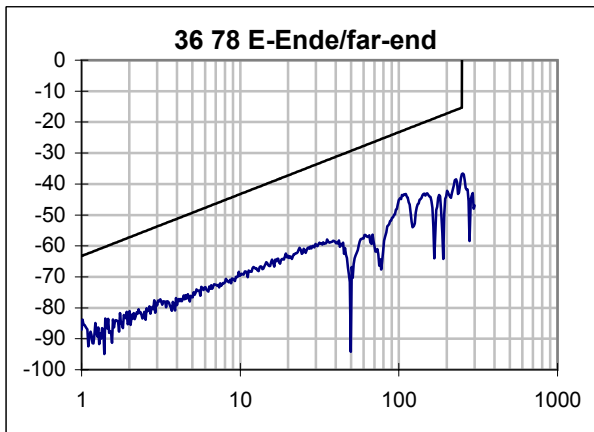
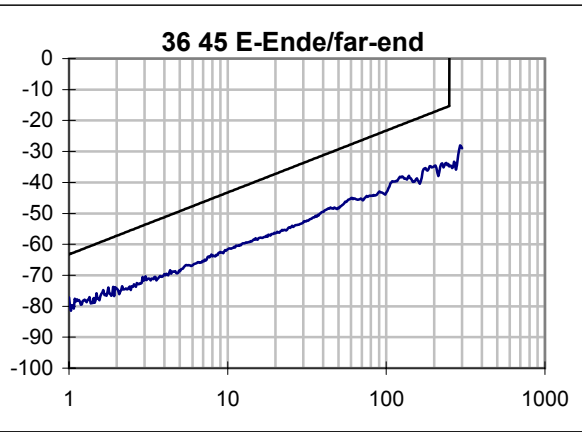
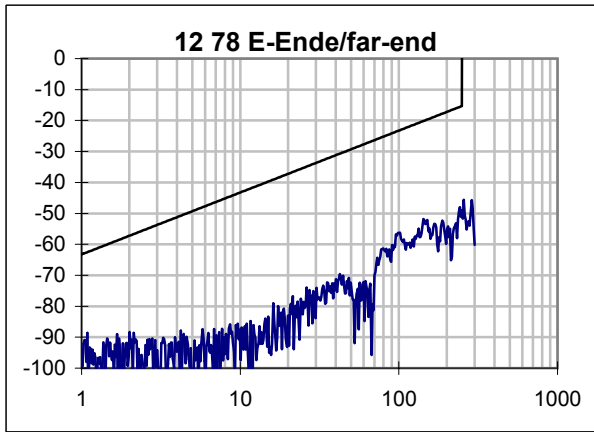
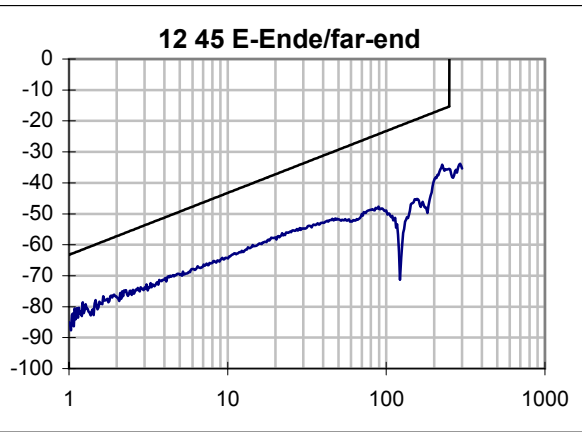
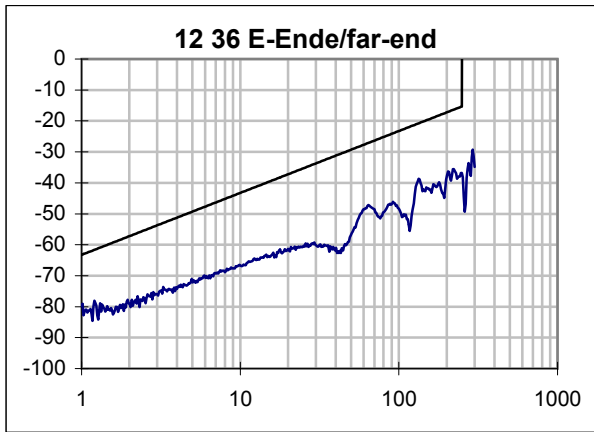


# PSNEXT / dB

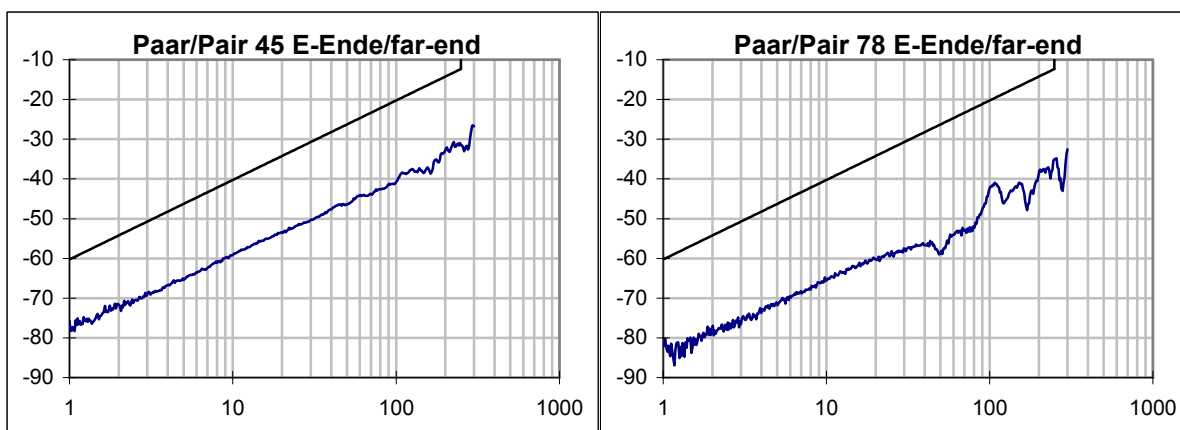
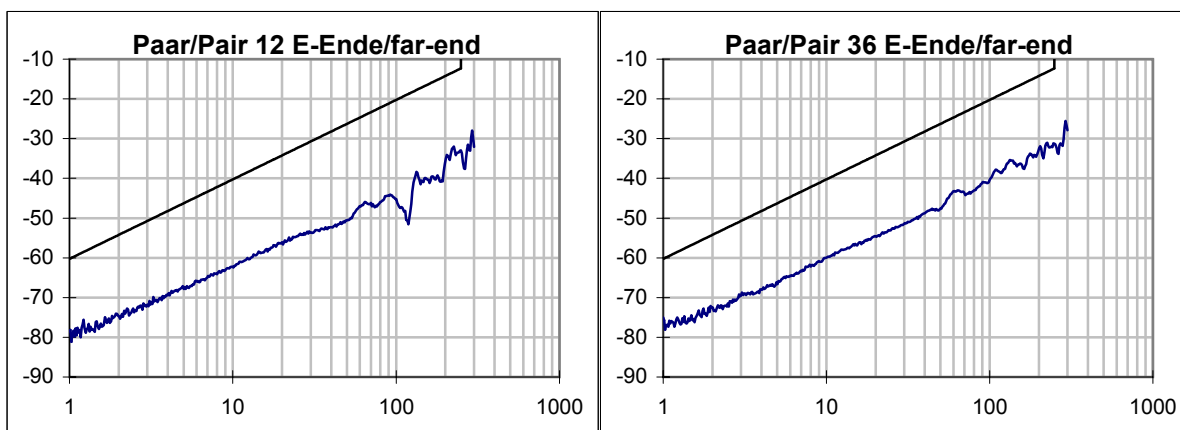
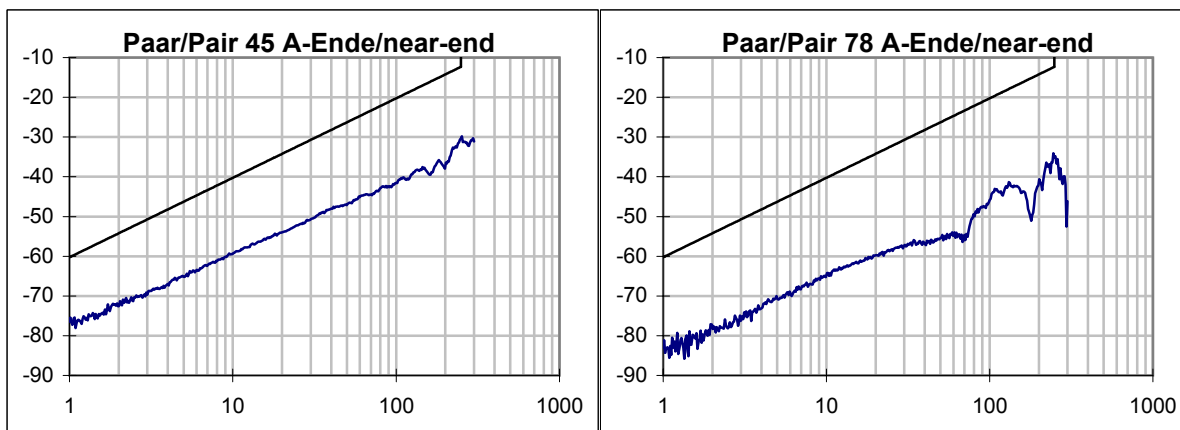
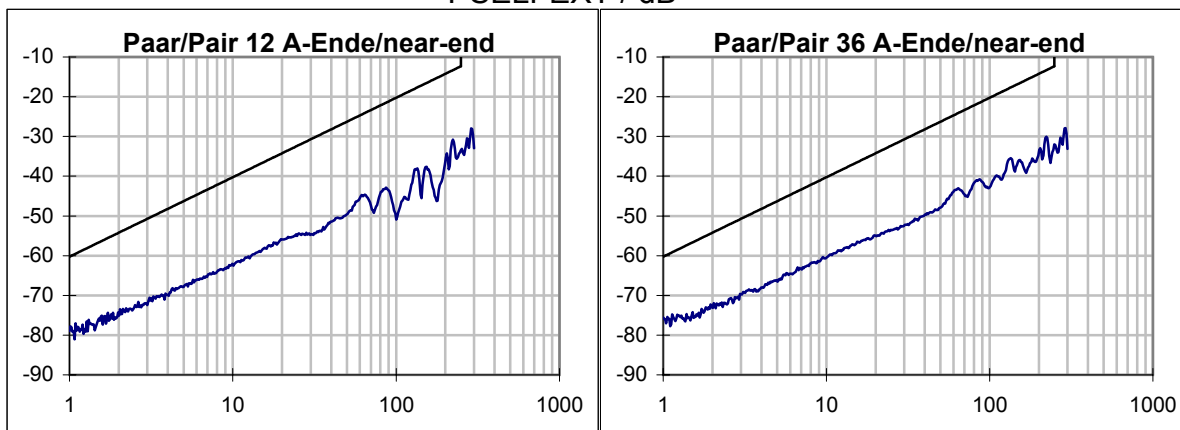


# ELFEXT / dB

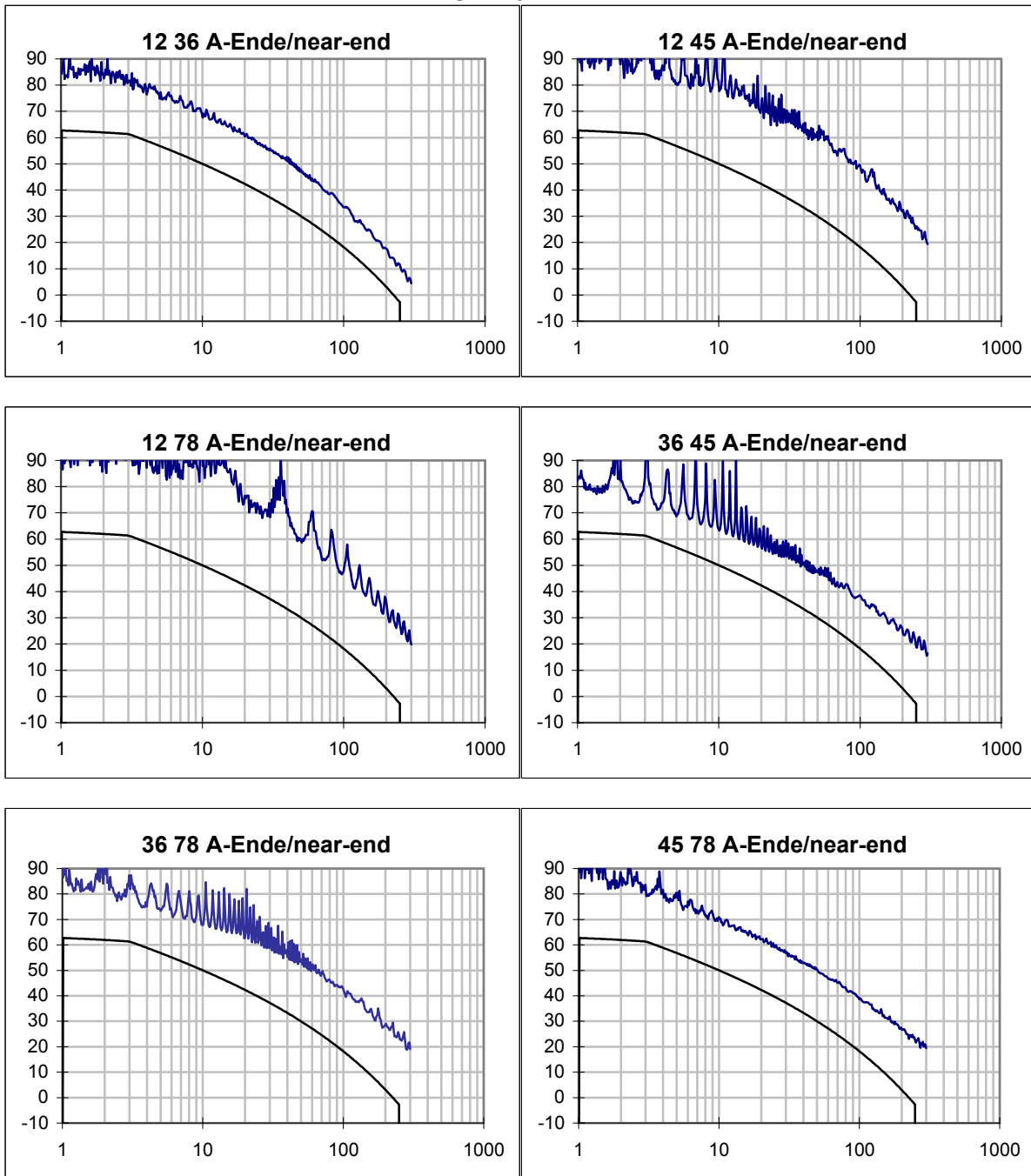




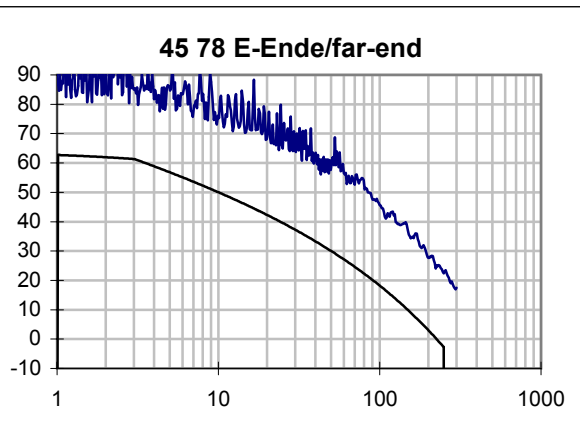
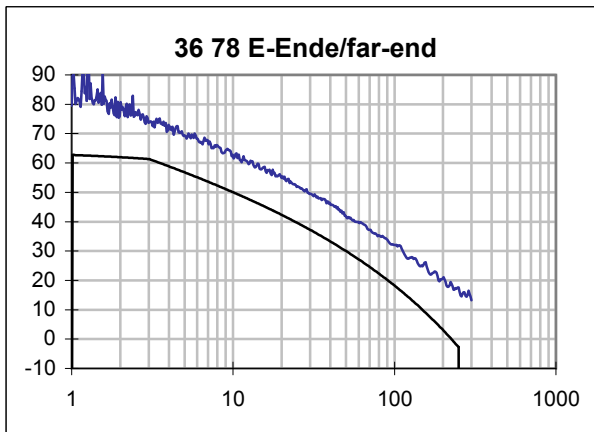
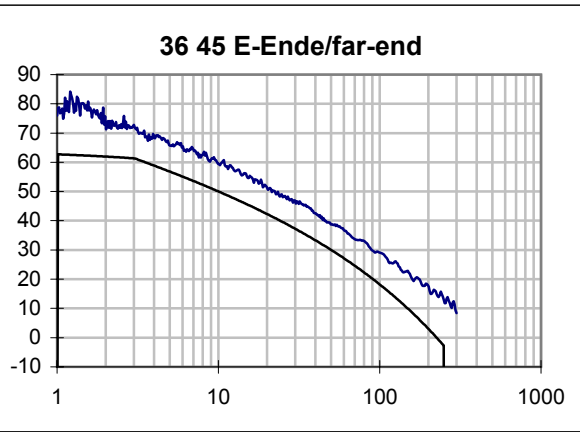
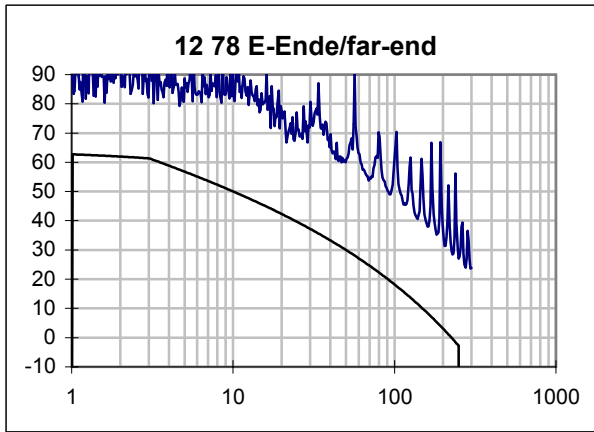
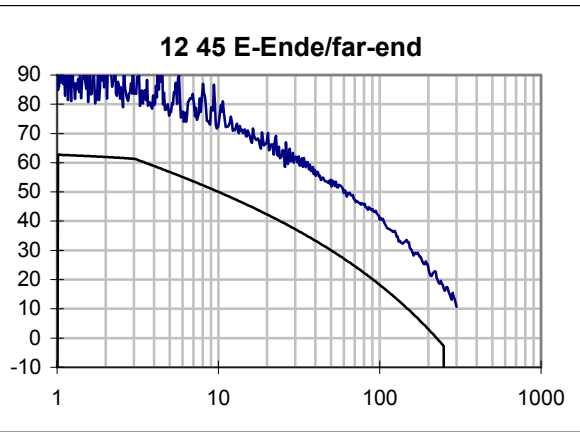
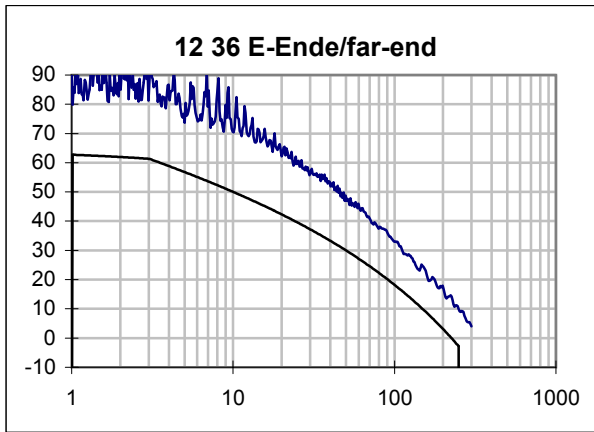
# PSELFEXT / dB



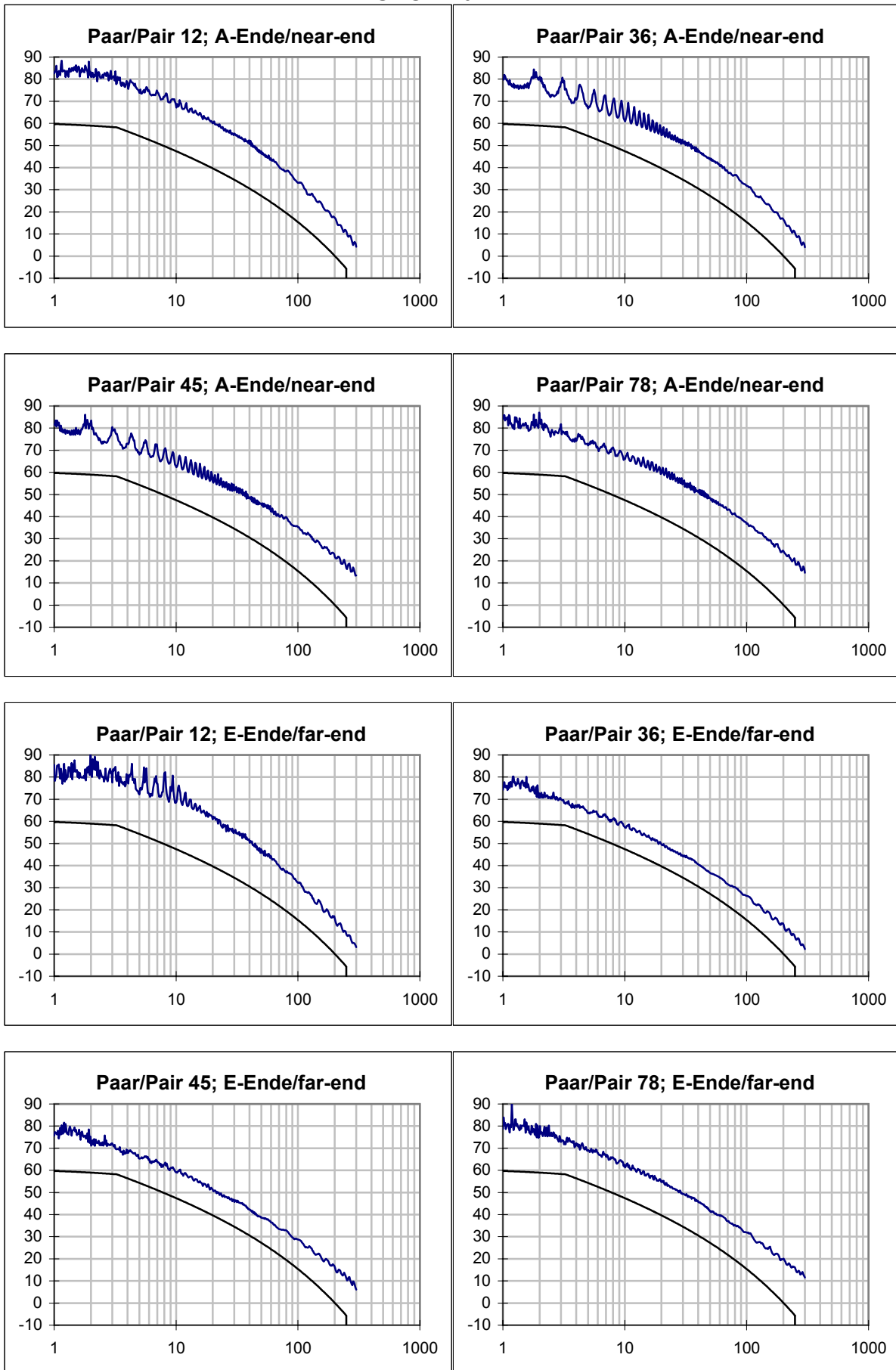
# ACR / dB



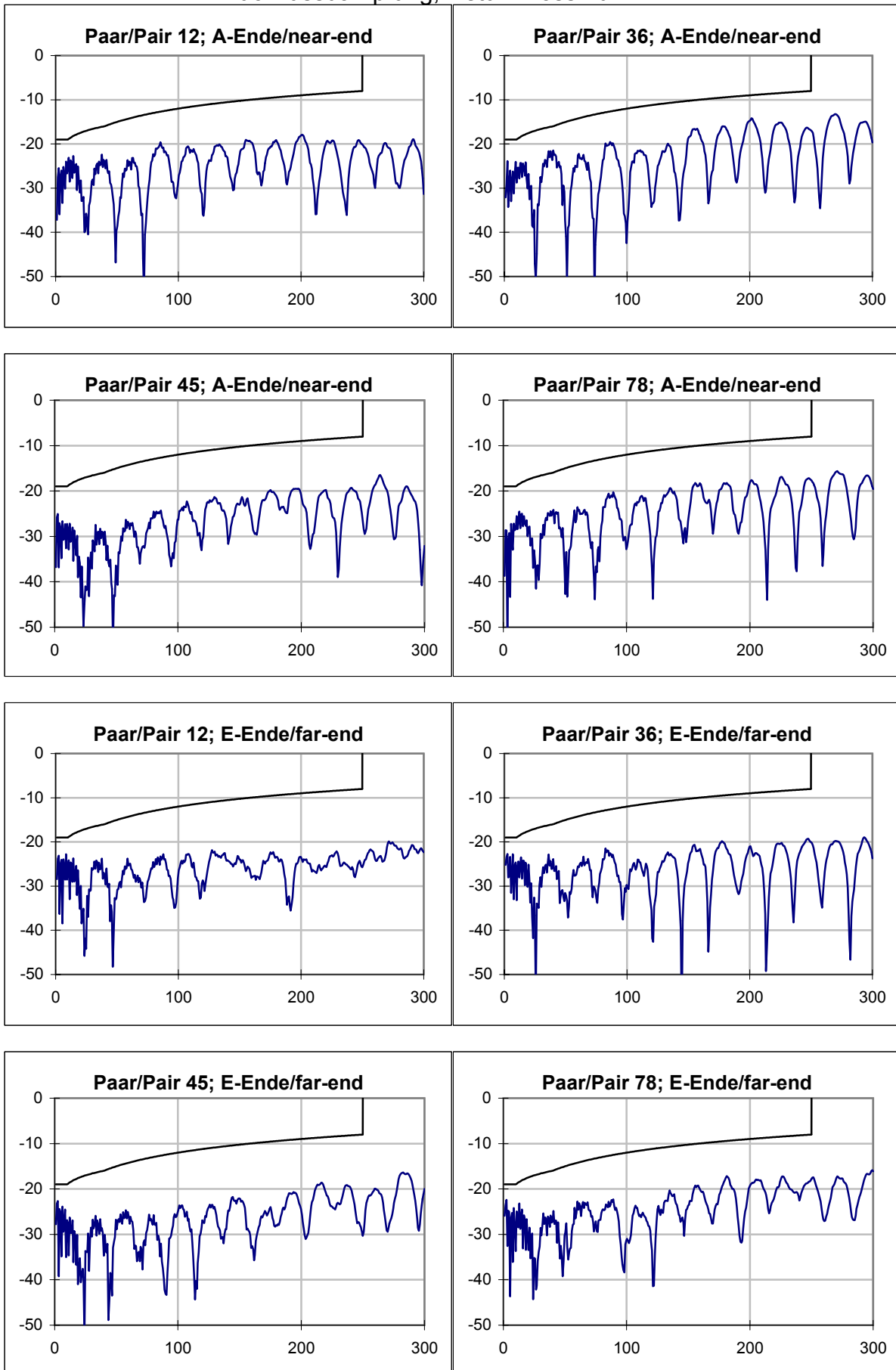




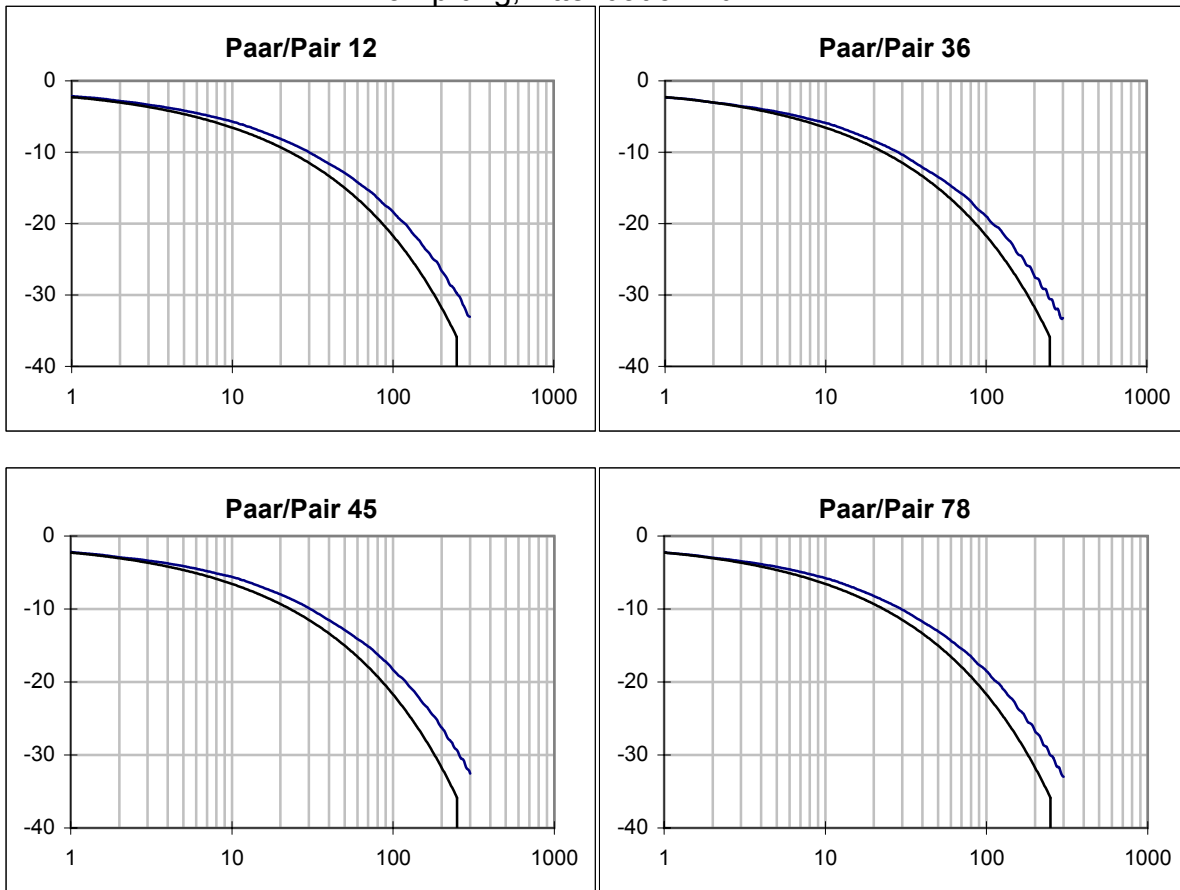
PSACR / dB



# Rückflusdämpfung, Return Loss / dB



## Dämpfung, Attenuation / dB



## Phasen-Laufzeit, Phase-Delay / ns

