

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



# Draka Multimedia Cable

**Messaufbau:**

Patch-Kabel A-Ende: **5 m UC600 SS27 4P (AMP-Stecker)**  
 Komponente A-Ende: **R&M Anschlussmodul Cat.6 (Nr. 302372)**  
 Tertiärkabel: **90 m UC600 SS223/1 4P**  
 Komponente E-Ende: **R&M Anschlussmodul Cat.6 (Nr. 302372)**  
 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: 08.07.2002 Prüflabor: Draka Multimedia Cable  
 Prüfer: Dr. C. Pfeiler Wohlaue Str. 15  
 90475 Nürnberg

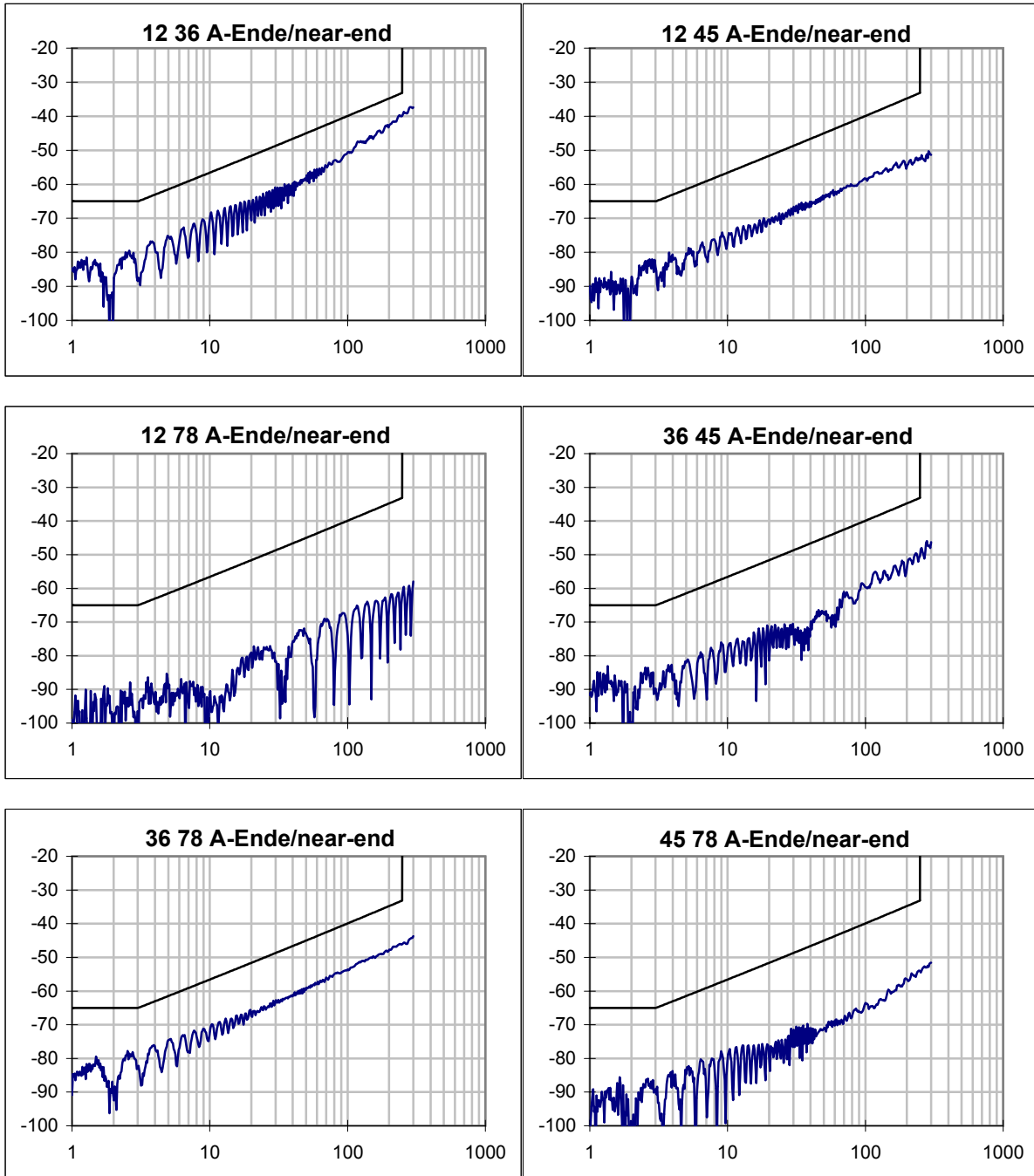
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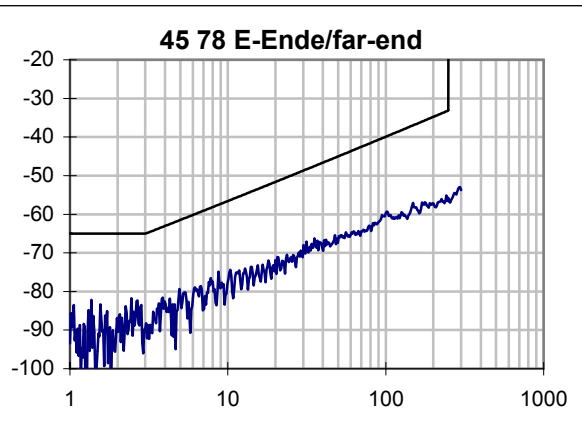
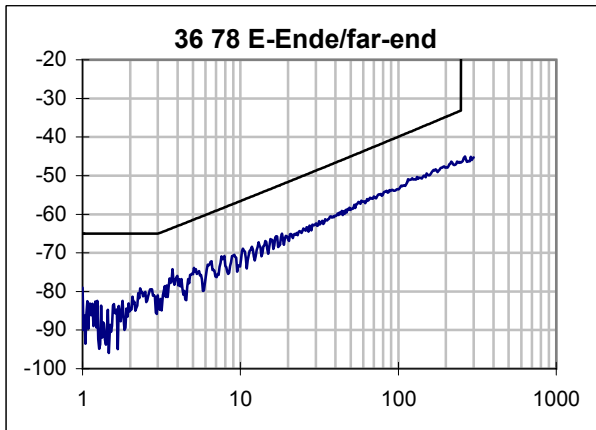
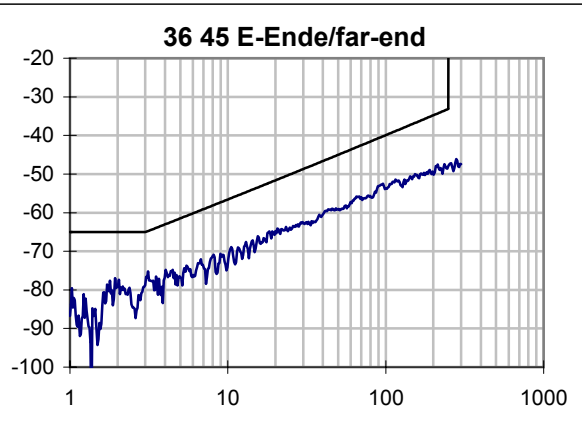
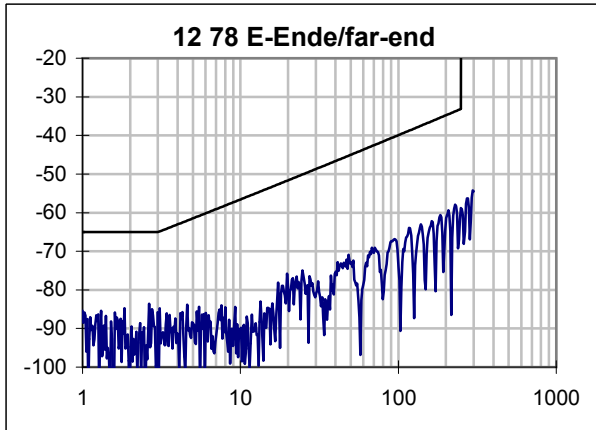
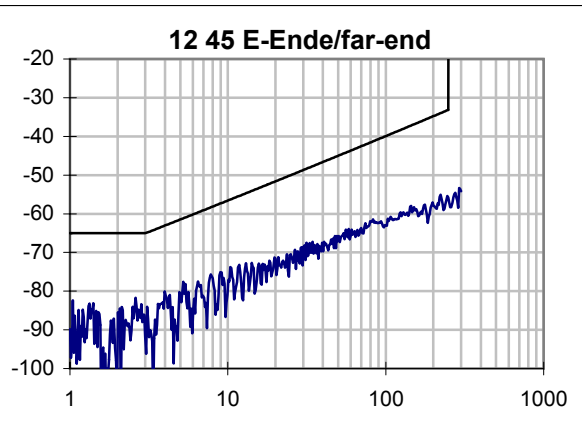
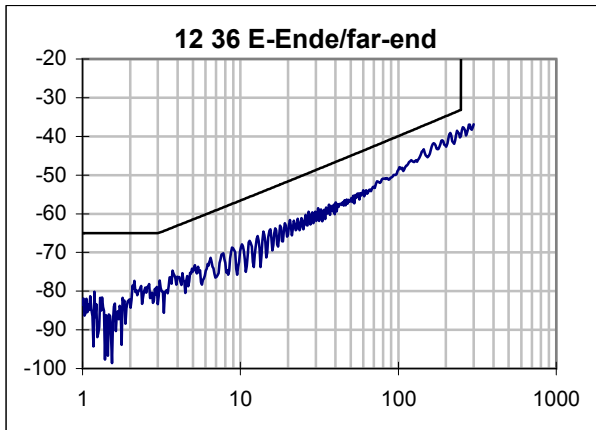
**Übersicht Ergebnisse:**

Paar	12	36	45	78	Grenzwert	skew/ns	Grenzw.
max. Laufzeit / ns	451,8	462,2	449,5	455,1		13,3	50
Dämpfung @ 100MHz/dB	19,51	19,90	19,40	19,65	21,7		
Dämpfung @ 250MHz/dB	32,66	32,29	31,50	32,13	35,9		
min PSNEXT-Res. / dB	7,66	6,57	12,73	13,00			
@ f / MHz	213,06	213,06	3,13	3,71			
PSNEXT Gr. / dB	31,37	31,37	62,00	61,07			
PSNEXT @ 100 MHz	48,73	46,71	52,61	52,66	37,1		
PSNEXT @ 250 MHz	39,79	38,57	46,69	45,88	30,2		
min PSELFEXT-Res. / dB	16,48	11,65	12,76	20,28			
@ f / MHz	222,37	1,04	1,03	1,00			
PSELFEXT Gr. / dB	13,32	59,89	60,01	60,26			
PSELFEXT @ 100 MHz	43,52	37,00	38,03	51,25	20,3		
PSELFEXT @ 250 MHz	42,25	26,45	26,51	44,71	12,3		
min PSACR-Reserve / dB	11,2	9,9	12,8	13,1			
@ f / MHz	164,8	3,7	3,1	3,7			
PSACR Grenz. / dB	4,8	57,0	58,3	57,0			
PSACR @ 100 MHz	29,22	27,04	32,82	32,84	15,4		
PSACR @ 250 MHz	7,13	6,01	14,45	13,65	-5,8		
min RL-Reserve / dB	5,7	4,7	7,4	5,0			
@ f / MHz	39,9	37,6	37,6	38,4			
RL Grenzwert / dB	16,0	16,1	16,1	16,1			

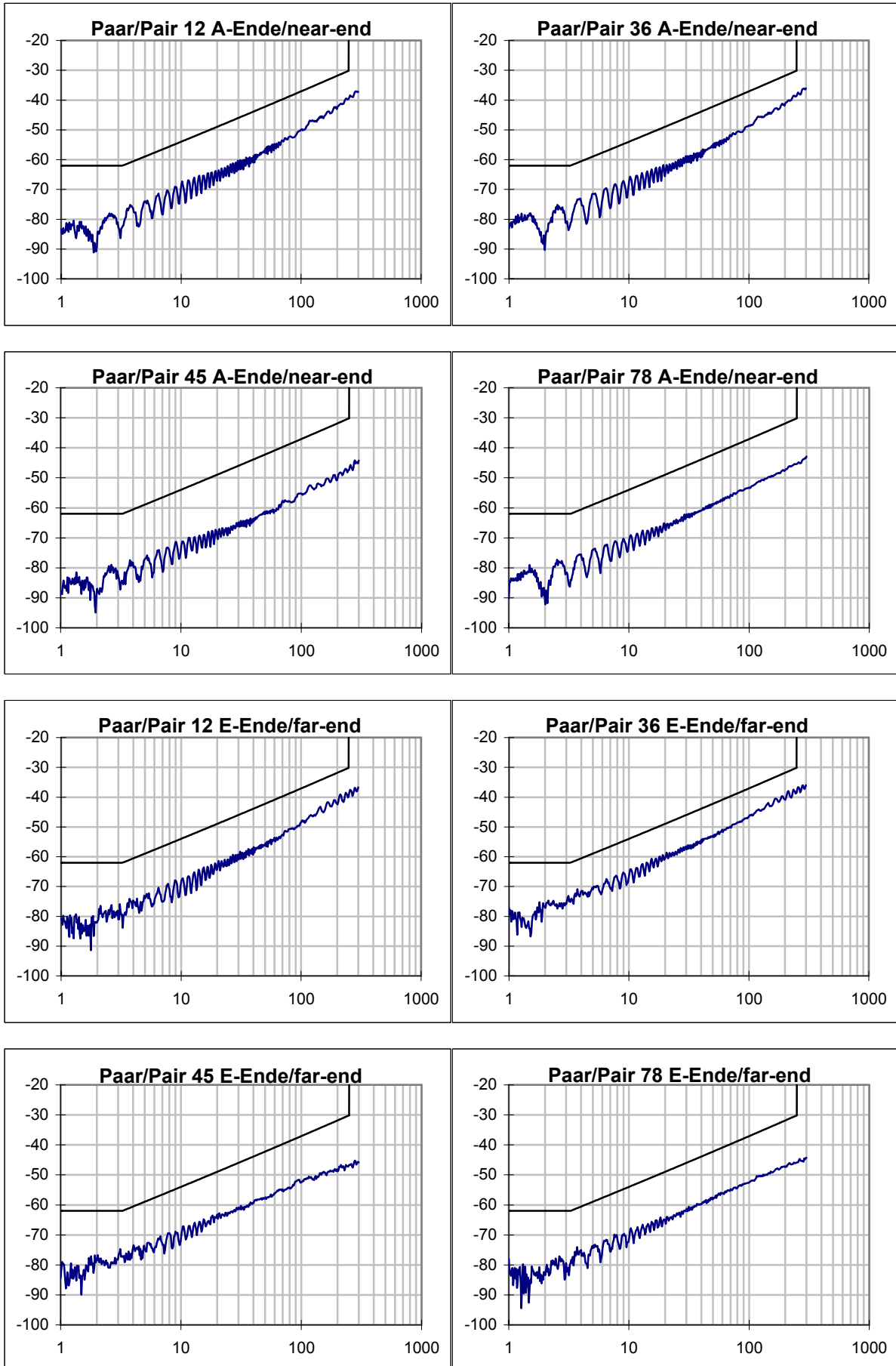
Kombination	12 36	12 45	12 78	36 45	36 78	45 78	Grenzwert
min NEXT-Reserve / dB	4,80	16,46	18,57	10,42	10,65	16,73	
@ f / MHz	213,06	5,23	2,64	3,13	3,71	2,46	
NEXT Grenzw. /dB	34,31	61,16	65,00	64,76	63,56	65,00	
NEXT @ 100 MHz	48,94	62,95	69,67	53,87	53,53	60,57	39,9
NEXT @ 250 MHz	39,95	55,81	58,76	47,93	46,61	55,71	33,1
min ELFEXT-Res. / dB	13,5	23,8	23,3	9,9	19,3	21,9	
@ f / MHz	222,4	1,7	1,0	1,0	1,1	1,0	
ELFEXT Grw. /dB	16,32	58,67	63,01	62,89	62,14	63,26	
ELFEXT @ 100 MHz	43,53	69,74	81,51	38,17	55,55	53,27	23,3
ELFEXT @ 250 MHz	43,38	51,74	51,59	26,56	49,79	47,87	15,3
min ACR-Reserve/ dB	8,4	16,7	18,6	10,4	10,7	16,8	
@ f / MHz	164,8	5,2	2,6	3,1	3,7	2,5	
ACR Grenzw. /dB	7,7	56,4	61,6	61,0	59,5	61,7	
ACR @ 100 MHz	29,43	43,44	50,16	33,98	33,63	41,17	18,2
ACR @ 250 MHz	7,29	23,15	26,10	15,65	14,32	24,21	-2,8

# NEXT / dB

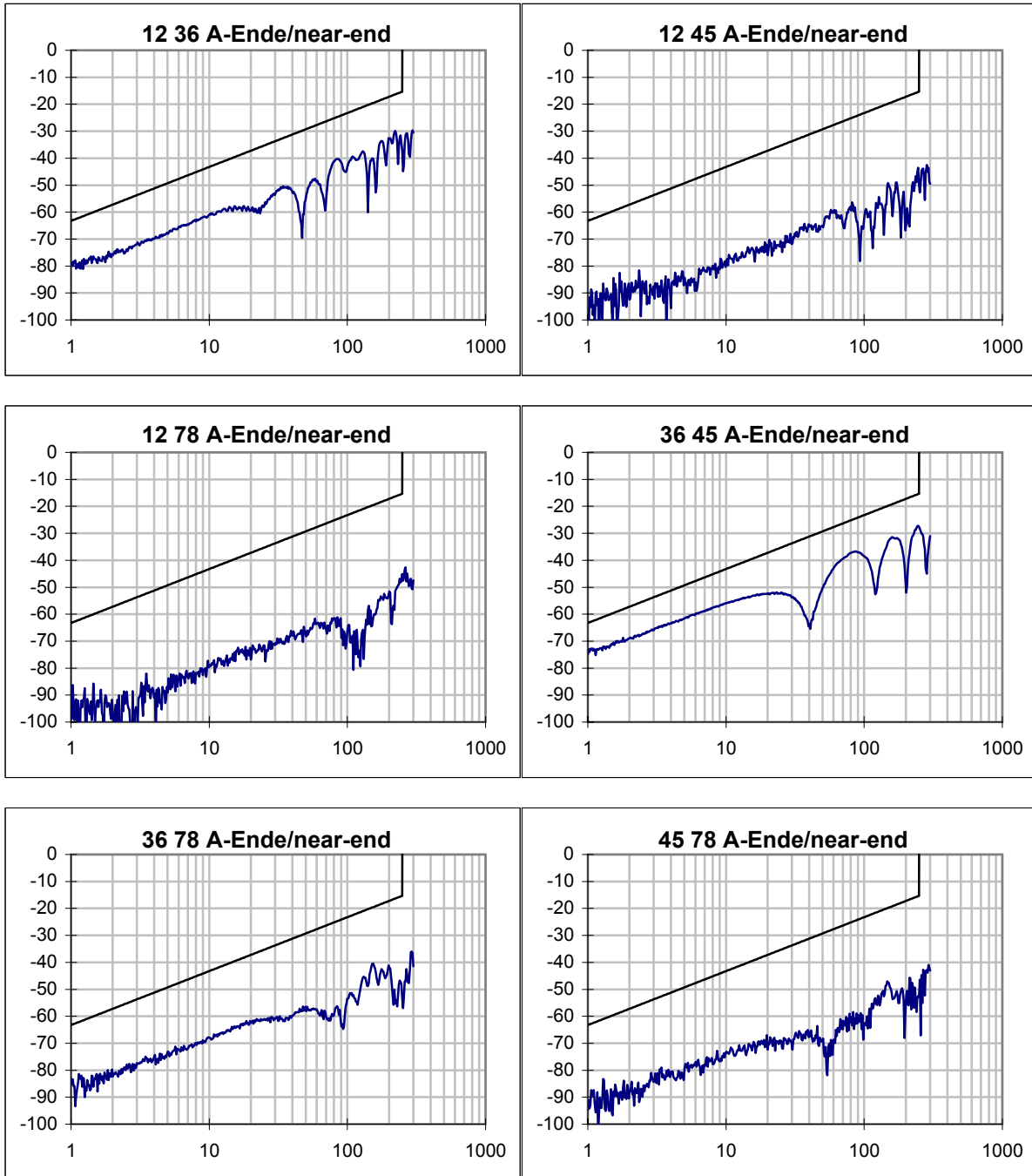


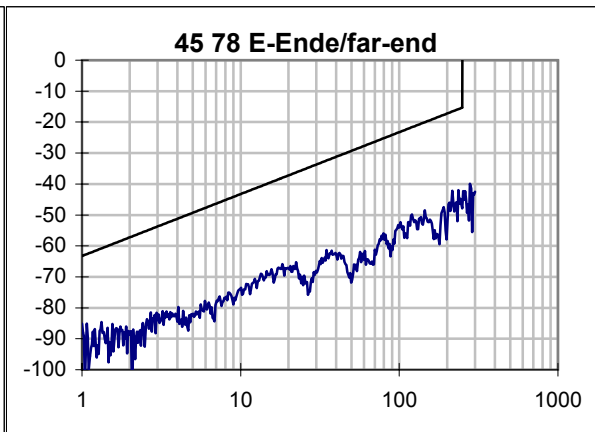
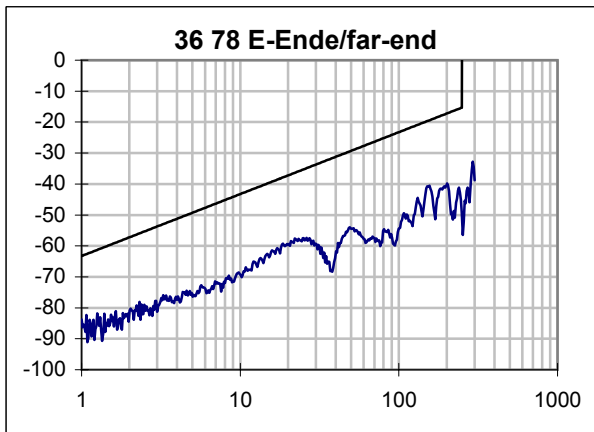
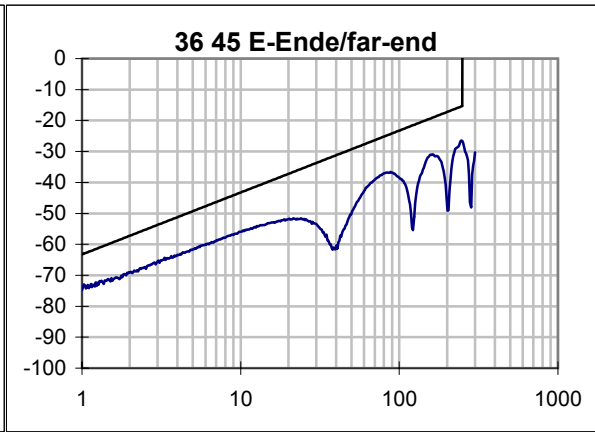
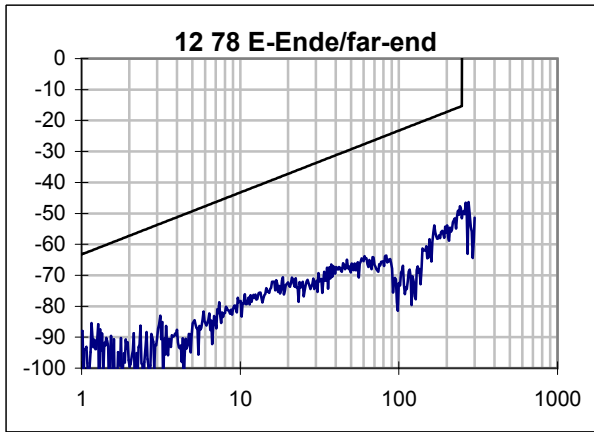
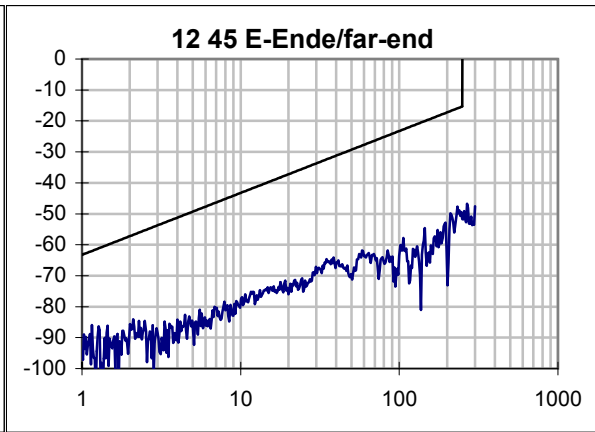
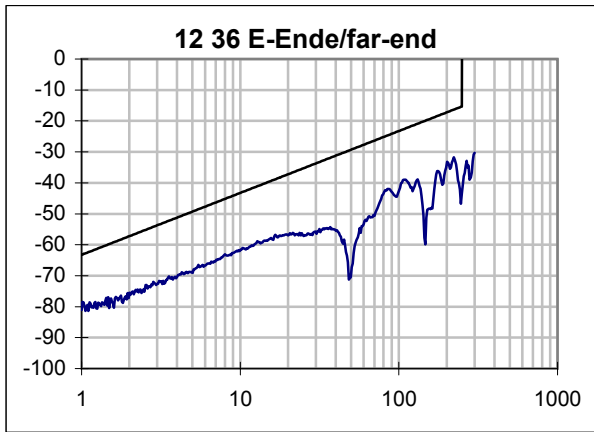


# PSNEXT / dB

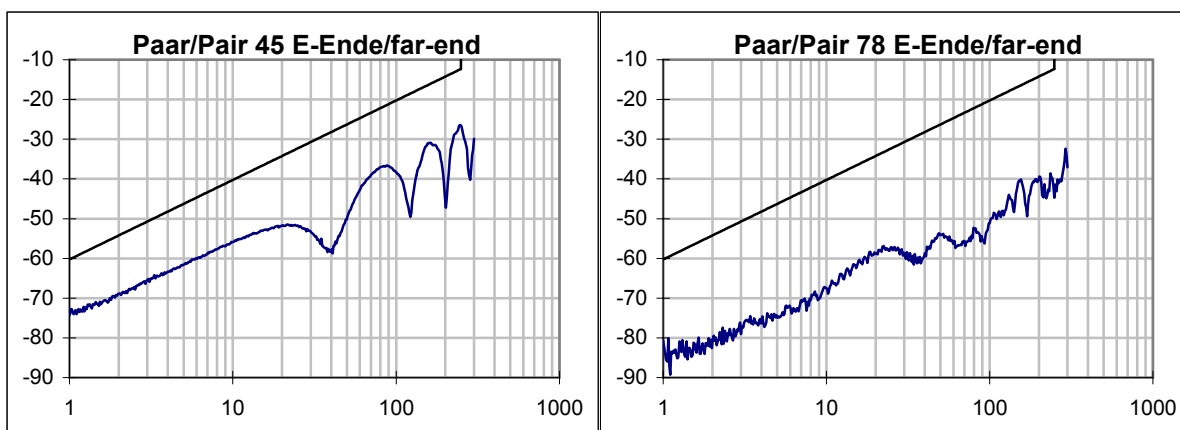
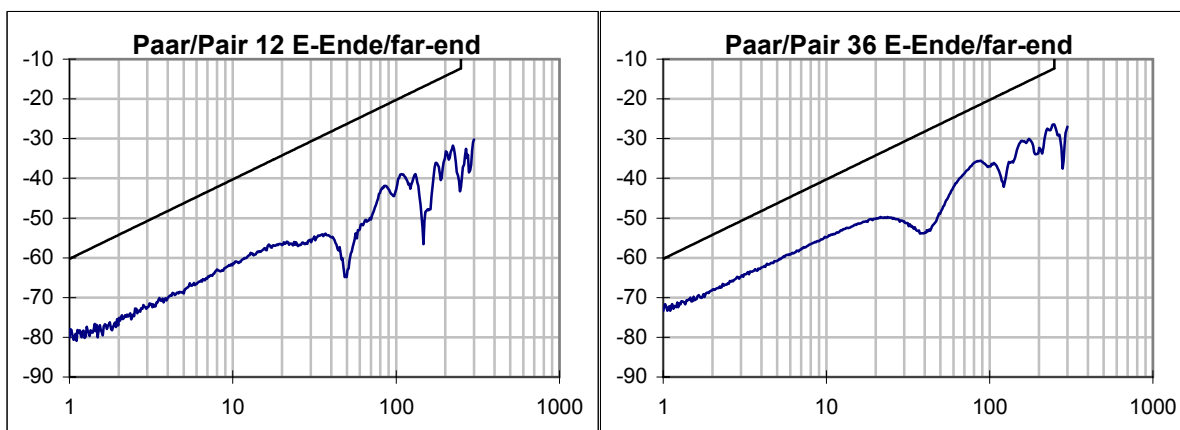
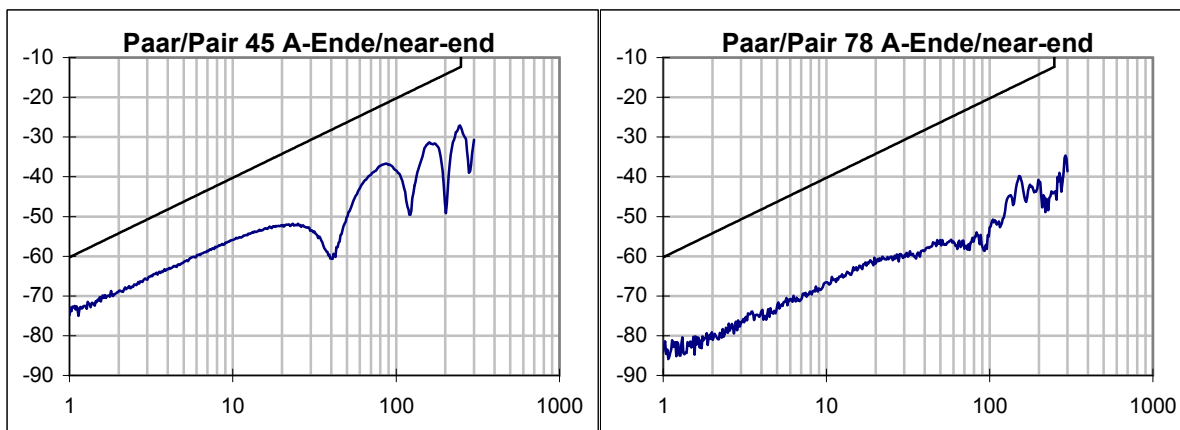
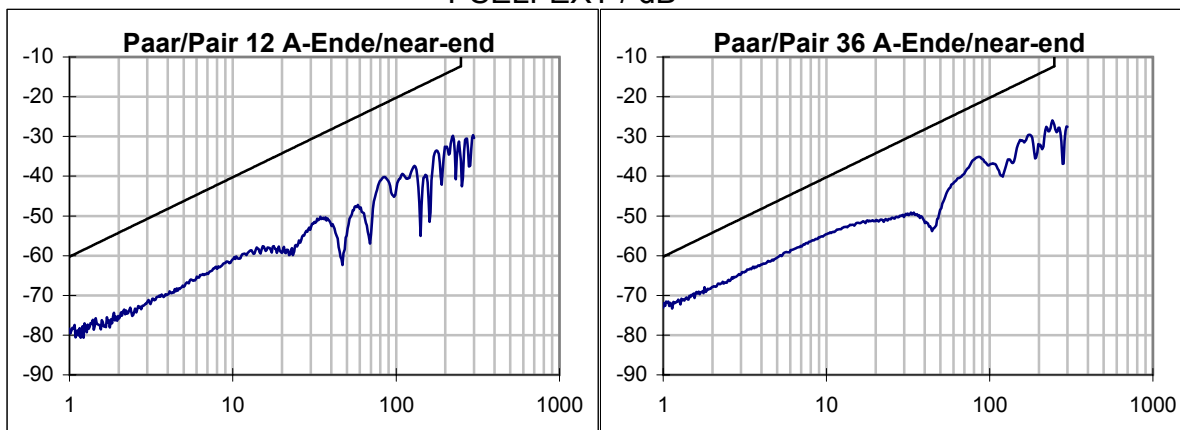


# ELFEXT / dB

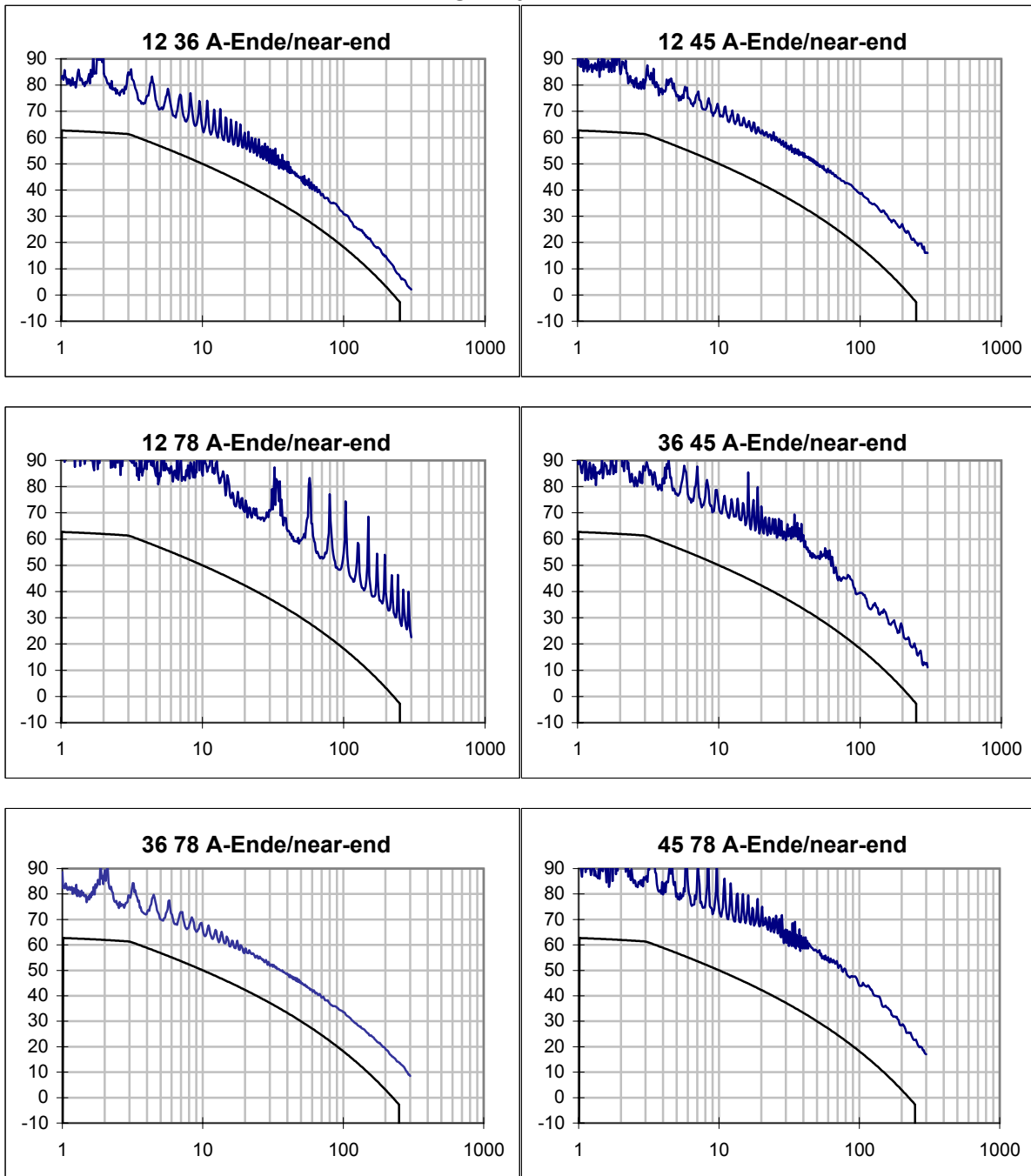




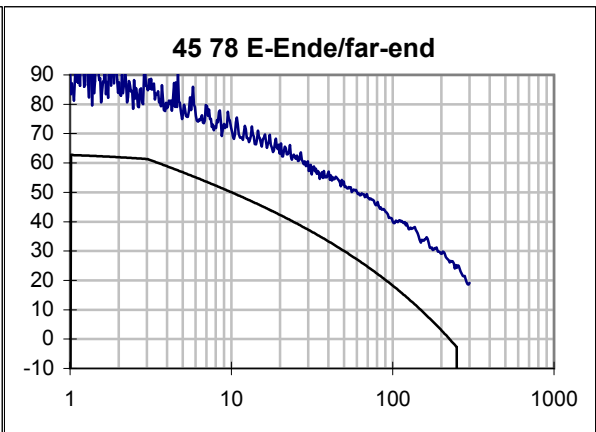
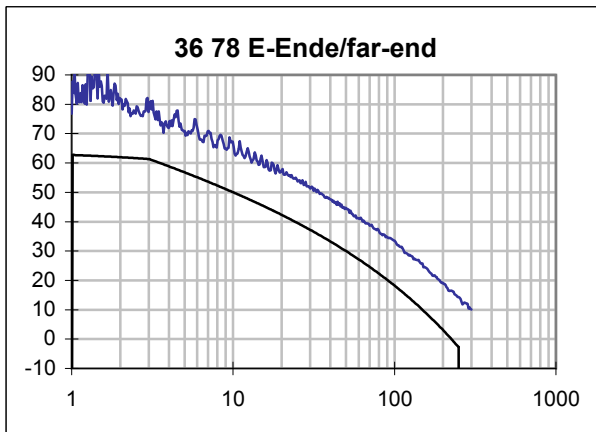
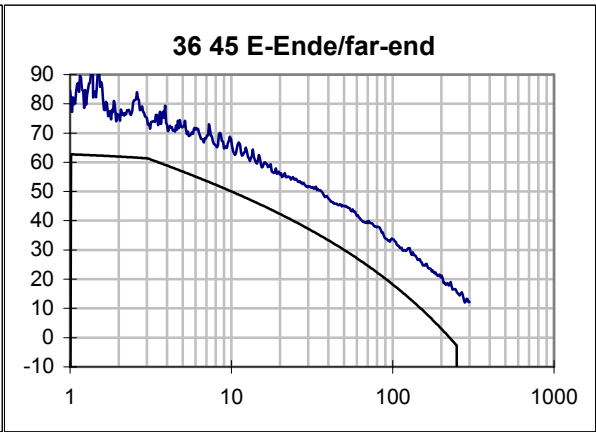
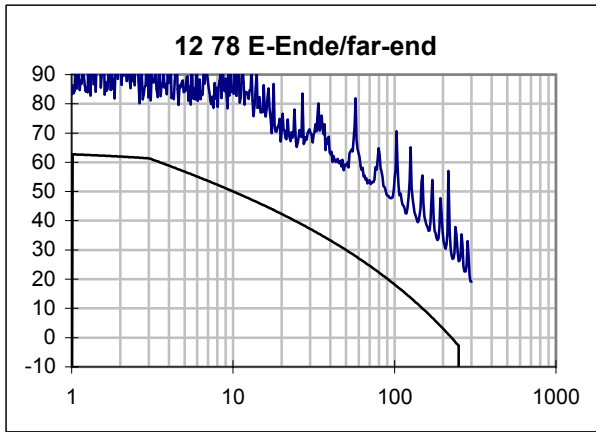
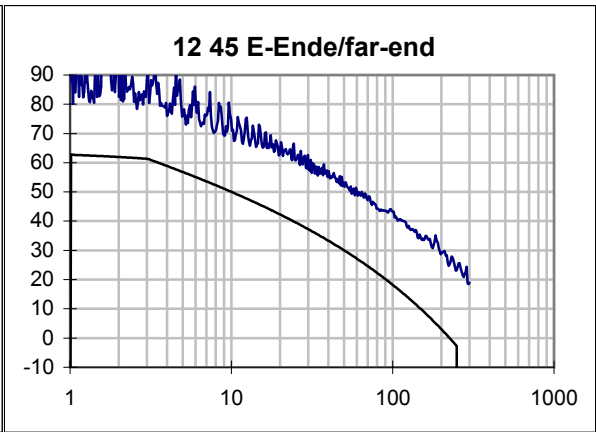
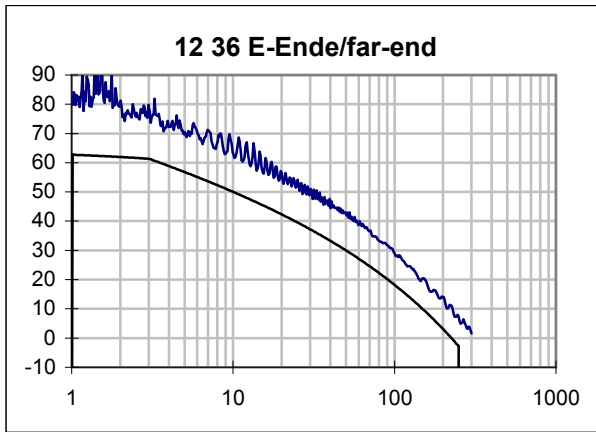
# PSELFEXT / dB



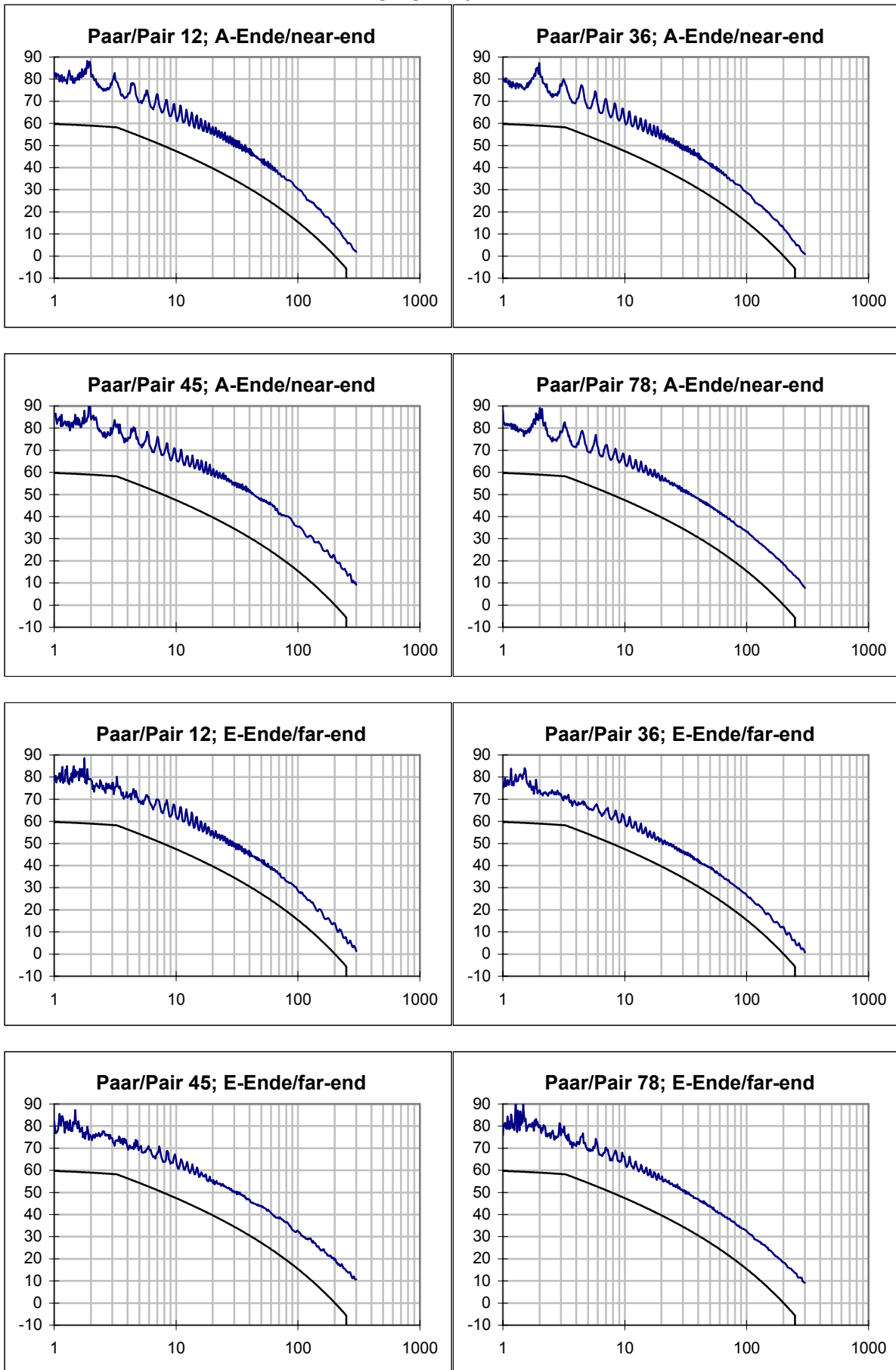
# ACR / dB



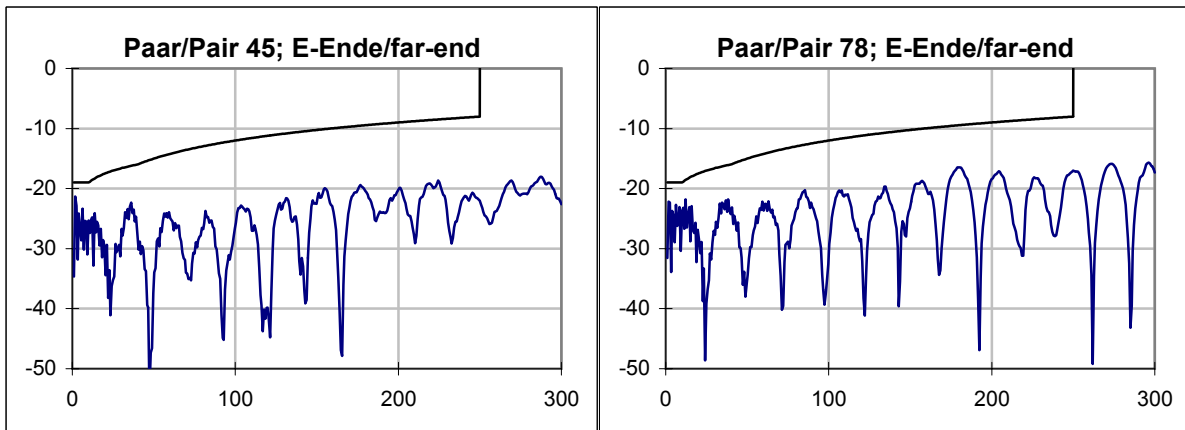
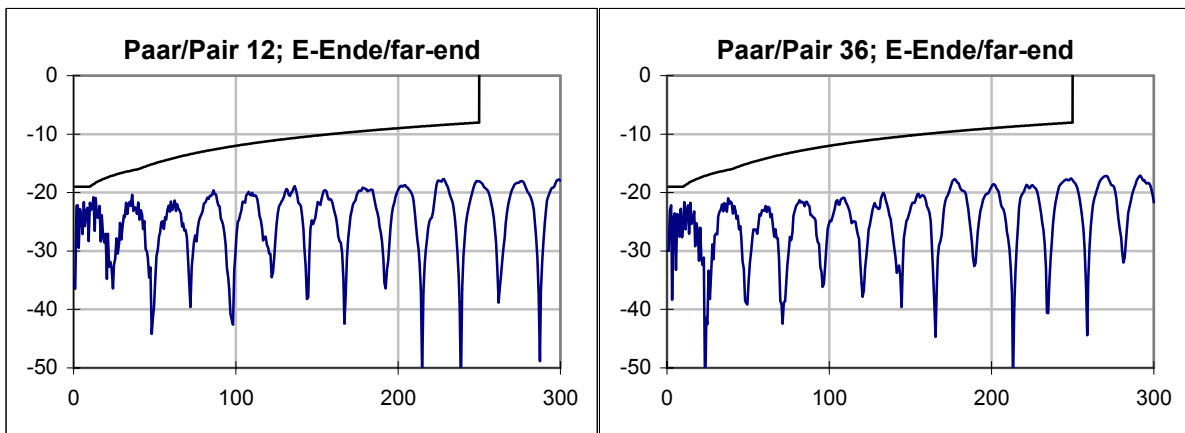
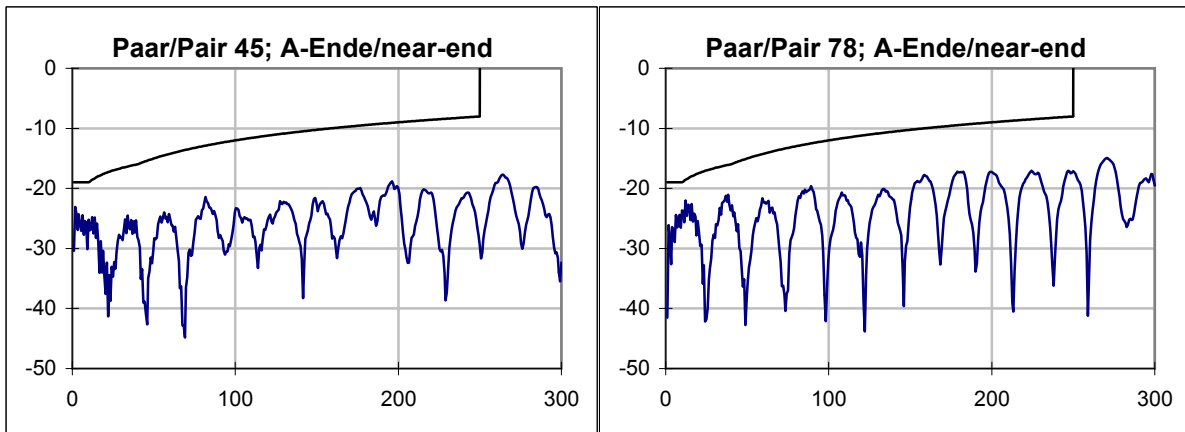
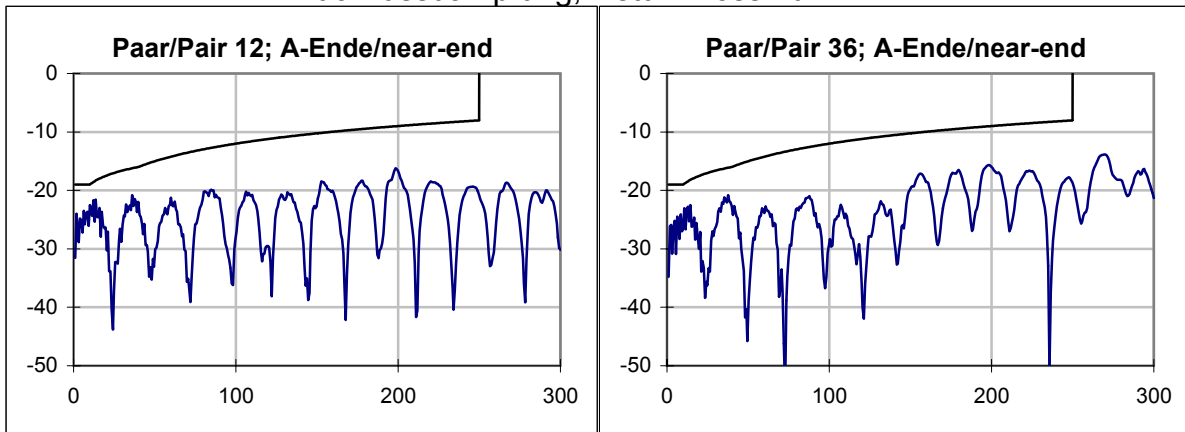




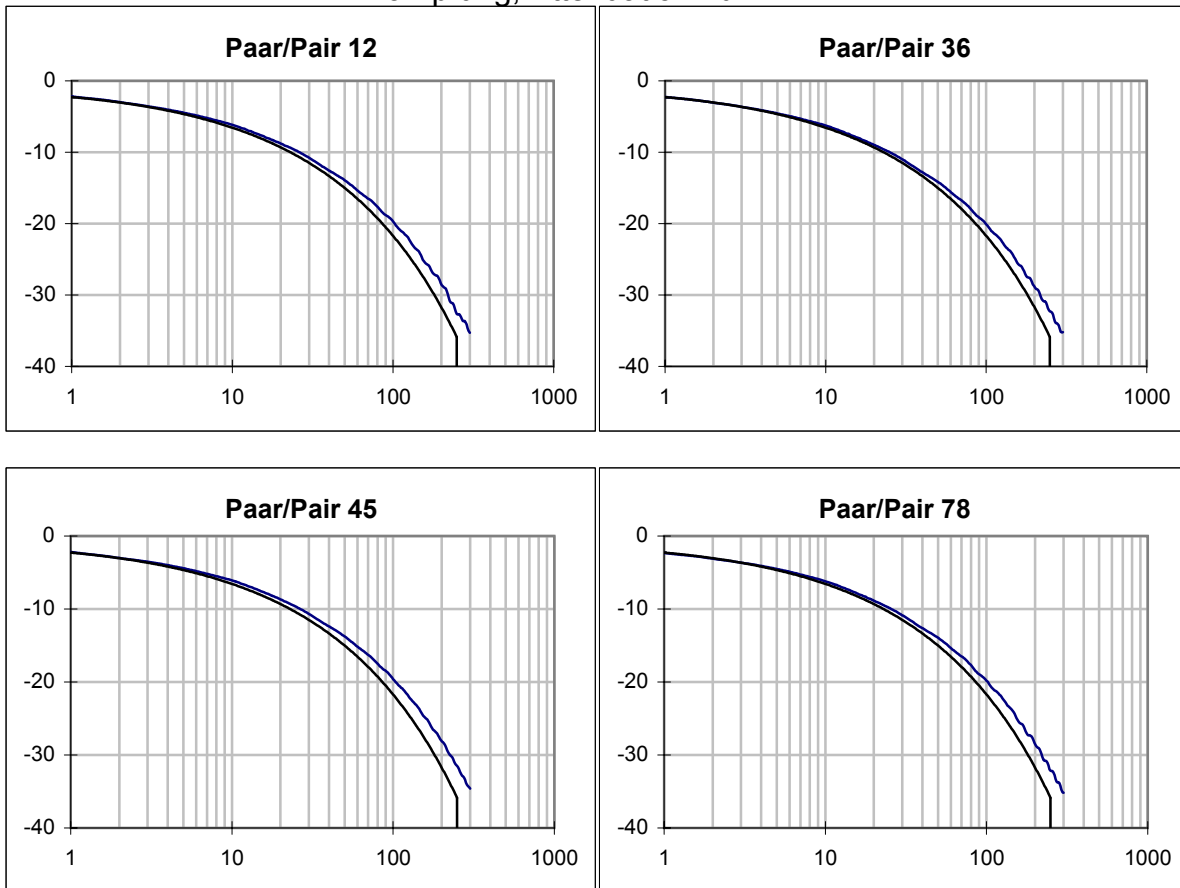
# PSACR / dB



# Rückflusdämpfung, Return Loss / dB



## Dämpfung, Attenuation / dB



## Phasen-Laufzeit, Phase-Delay / ns

