Themen-OV-Abend - F15

Flugfunkheadsets im Amateurfunk und SSB-Sprachfilterung

DK6NF

Auszug aus einem Sennheiser-Service-Handbuch

Service manual

Air Traffic Control
HME 46-3
HMD 46-3

Revision
02/2008

SA 070401

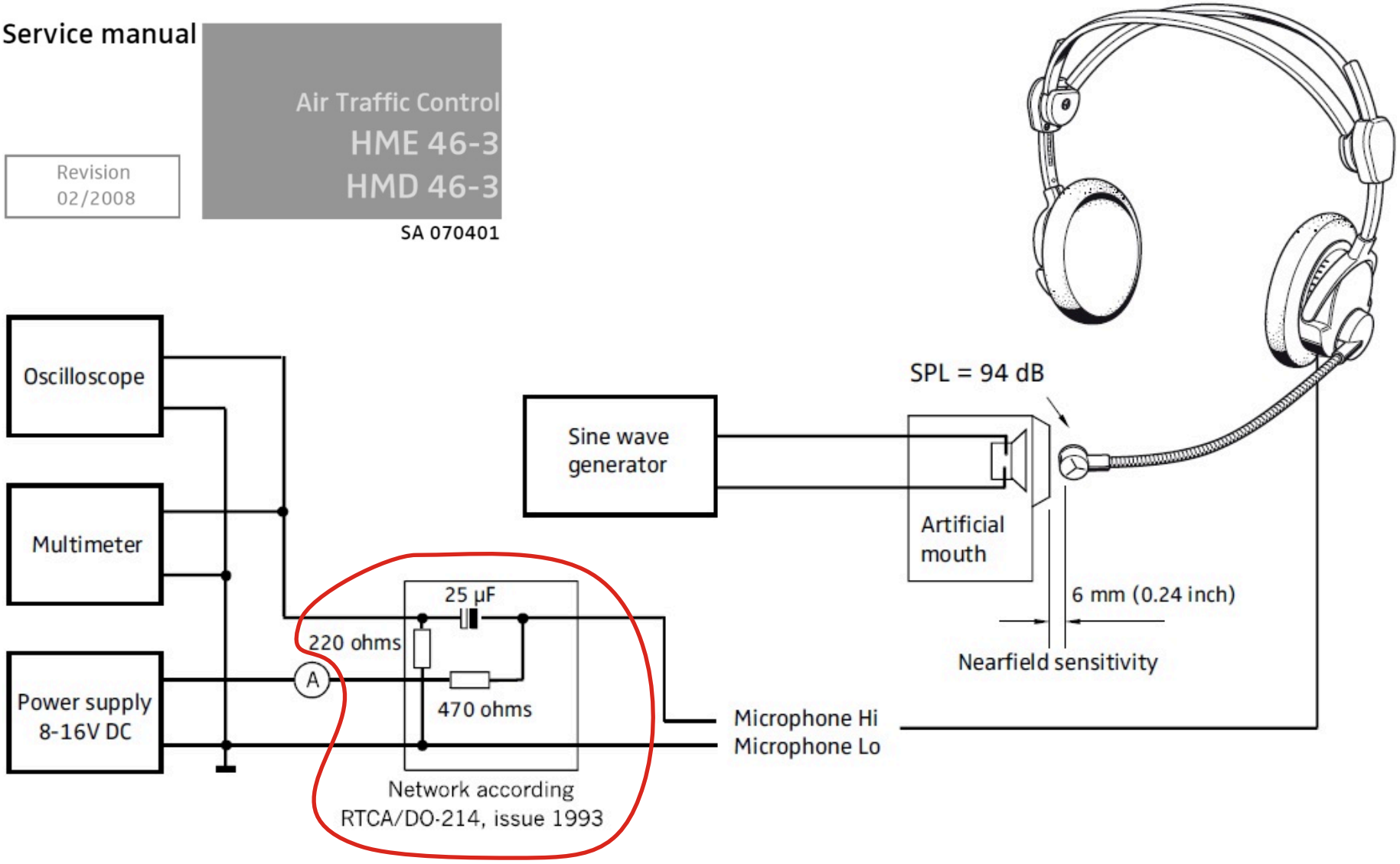
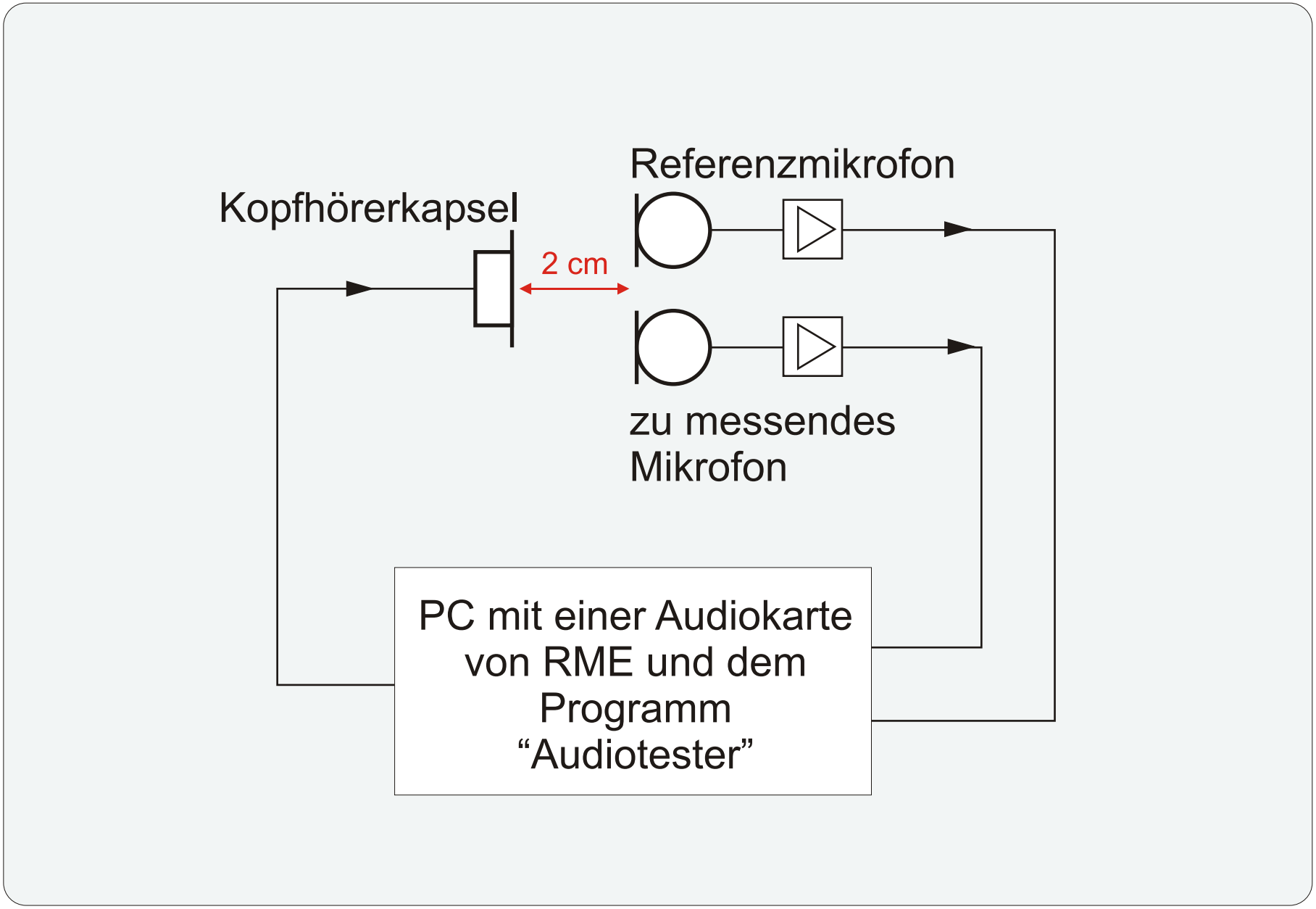
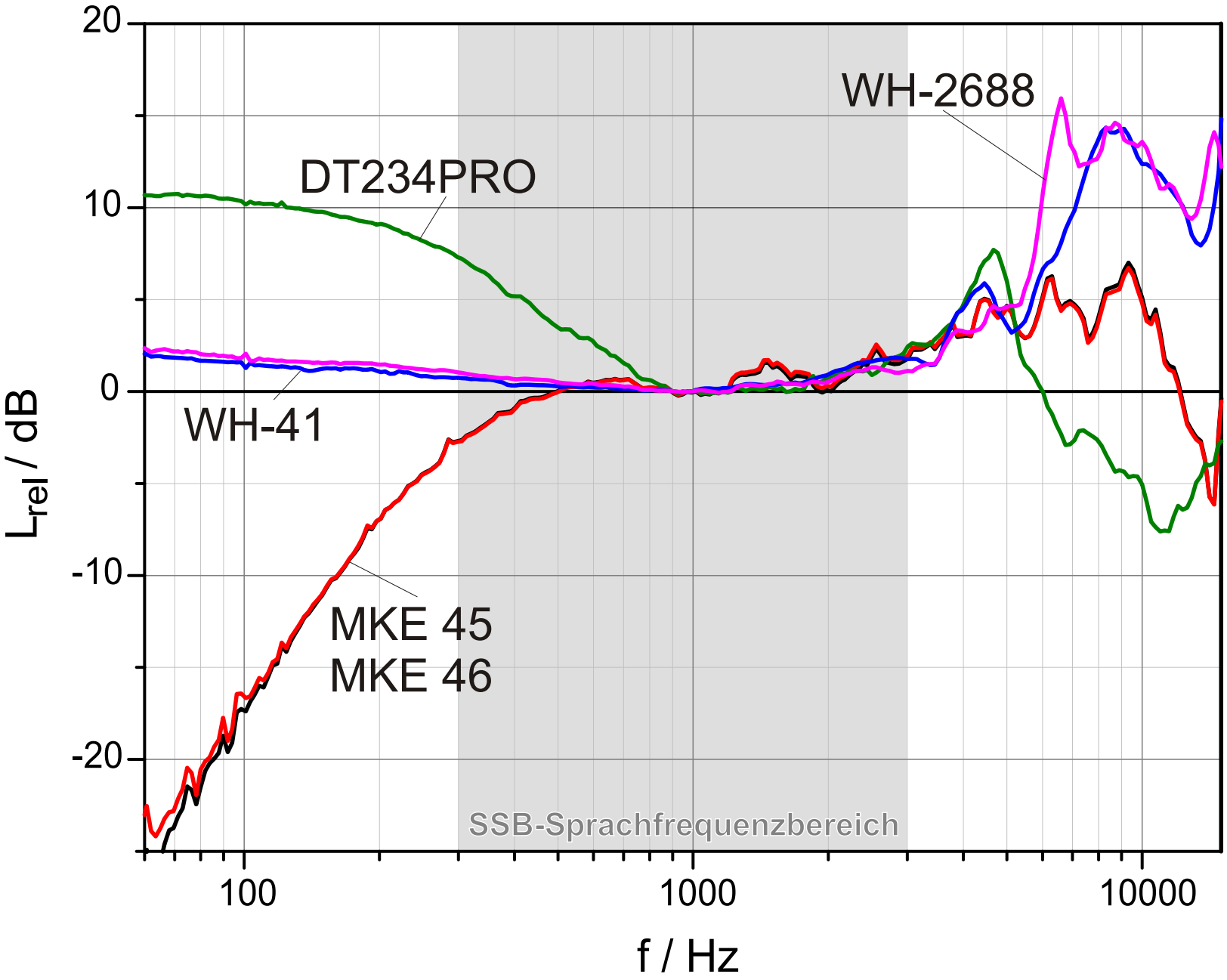


Figure 2
Microphone test setup according to RTCA/DO-214

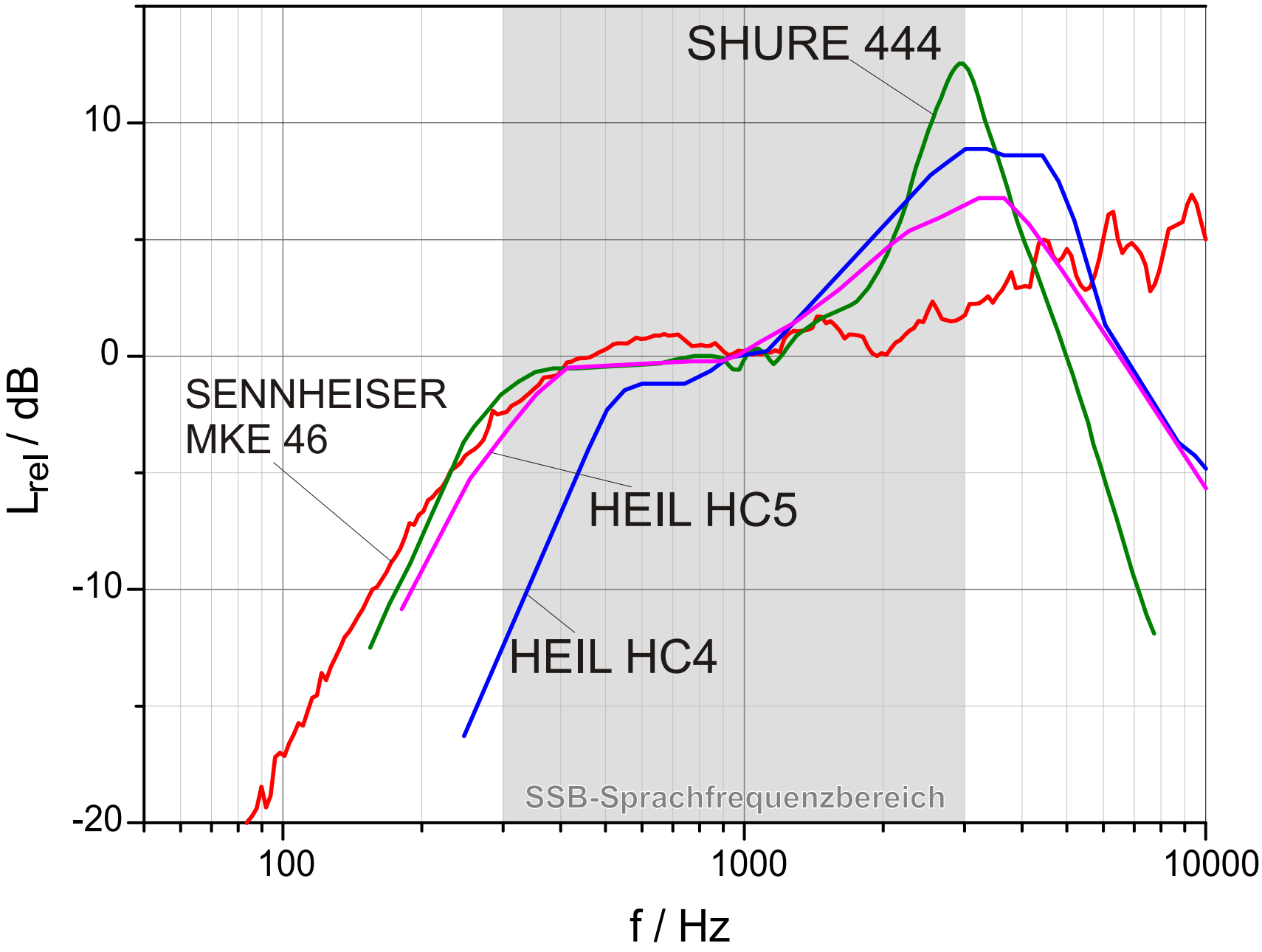
Messung des Amplitudenfrequenzgangs verschiedener Mikrofone



Amplitudenfrequenzgänge der gemessenen Mikrofone

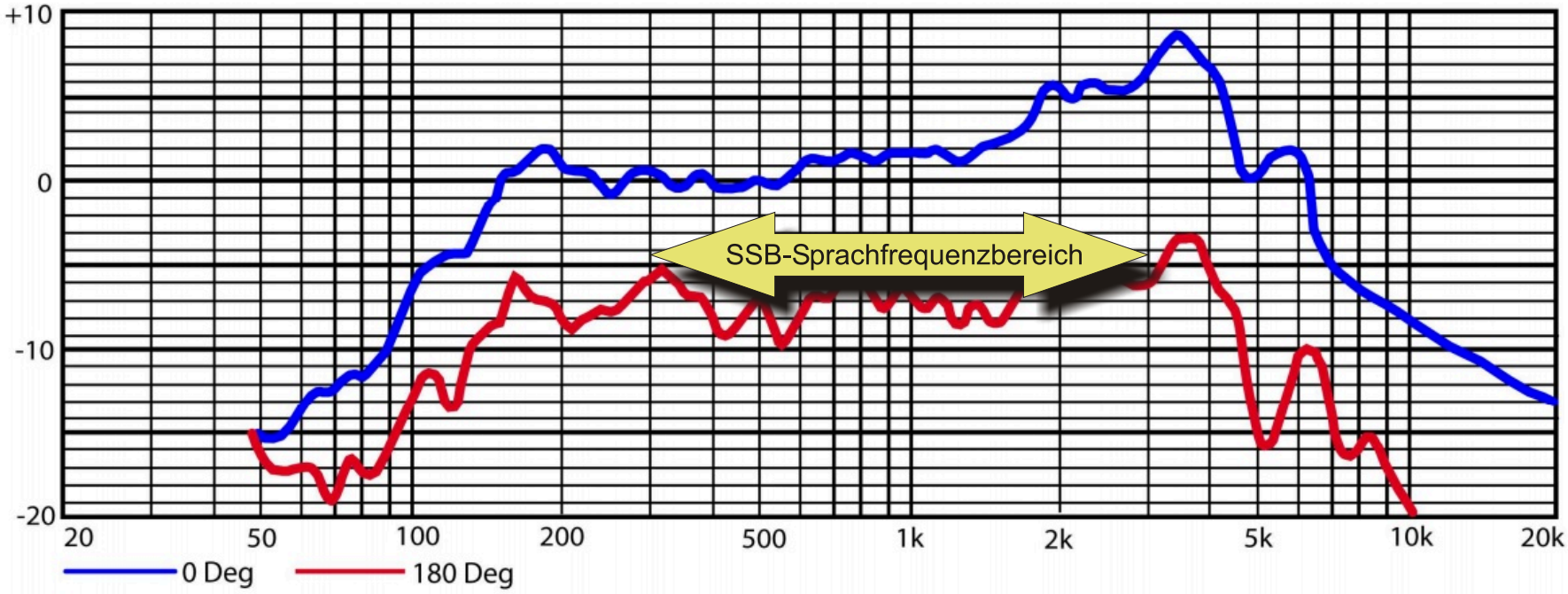


Vergleich des Amplitudenfrequenzgangs bekannter Mikrofone mit dem MKE46



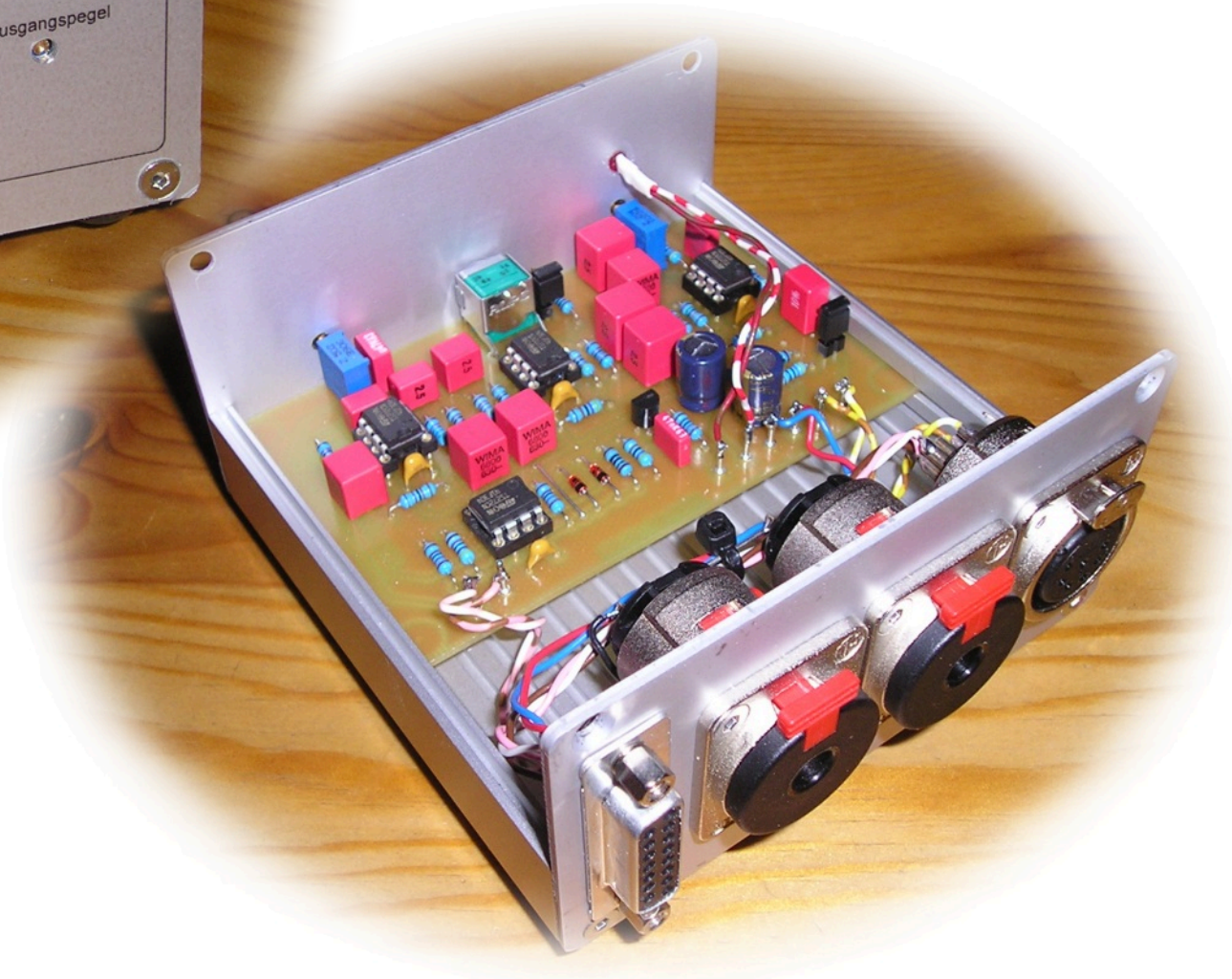
Heil HC6

HC-6 Element Characteristics



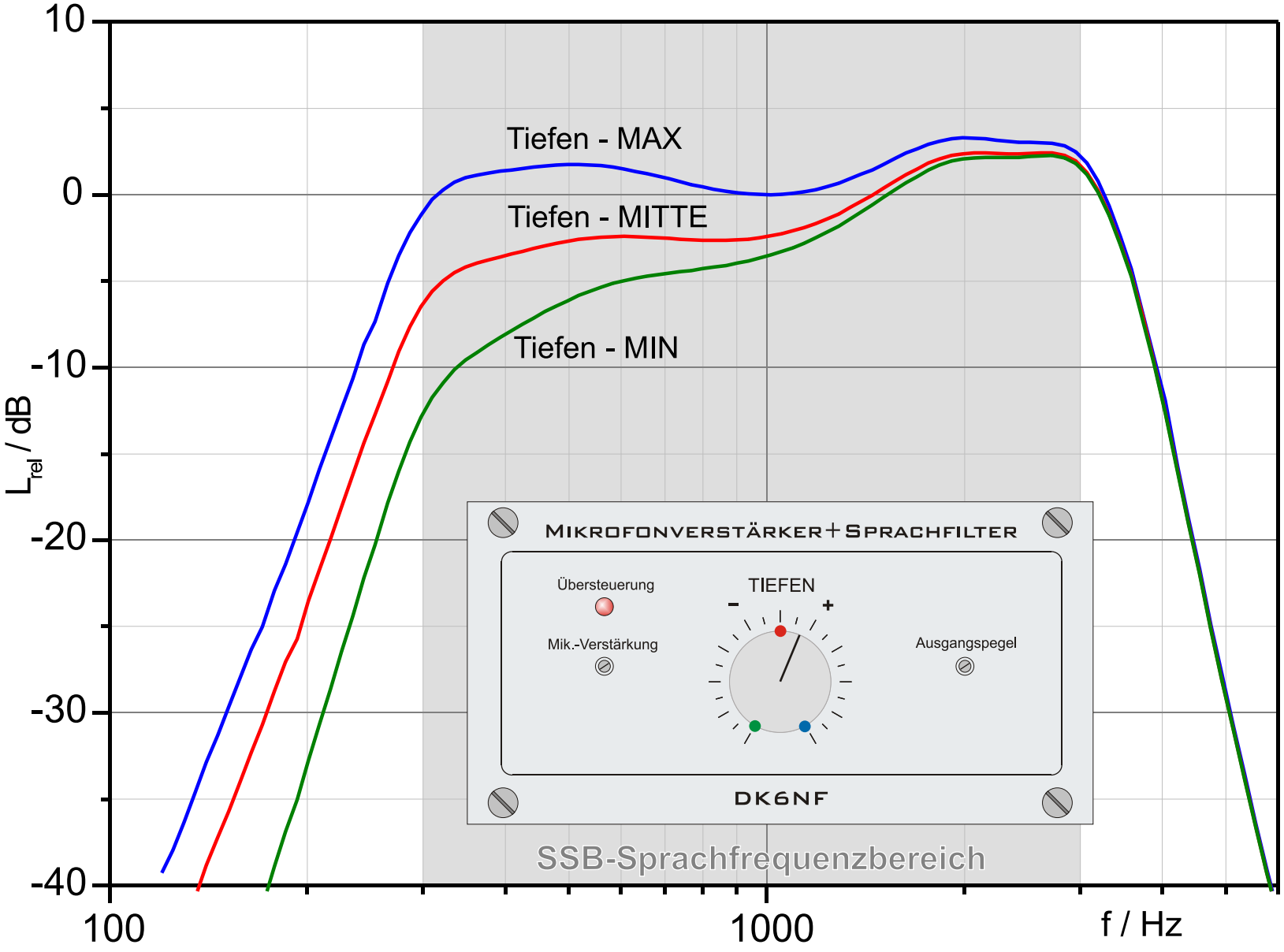
The HC-6 dynamic element, employed in the PSE-6, begins its low-frequency roll-off at about 180 Hz, and it begins to rise at about 1500 Hz; the peak in response, at 3500 Hz, is approximately 9 dB, with the enhancement being between 5 and 6 dB between 2000 and 3000 Hz (the upper end of a typical SSB bandwidth).

Mikrofonverstärker mit Sprachfilter...

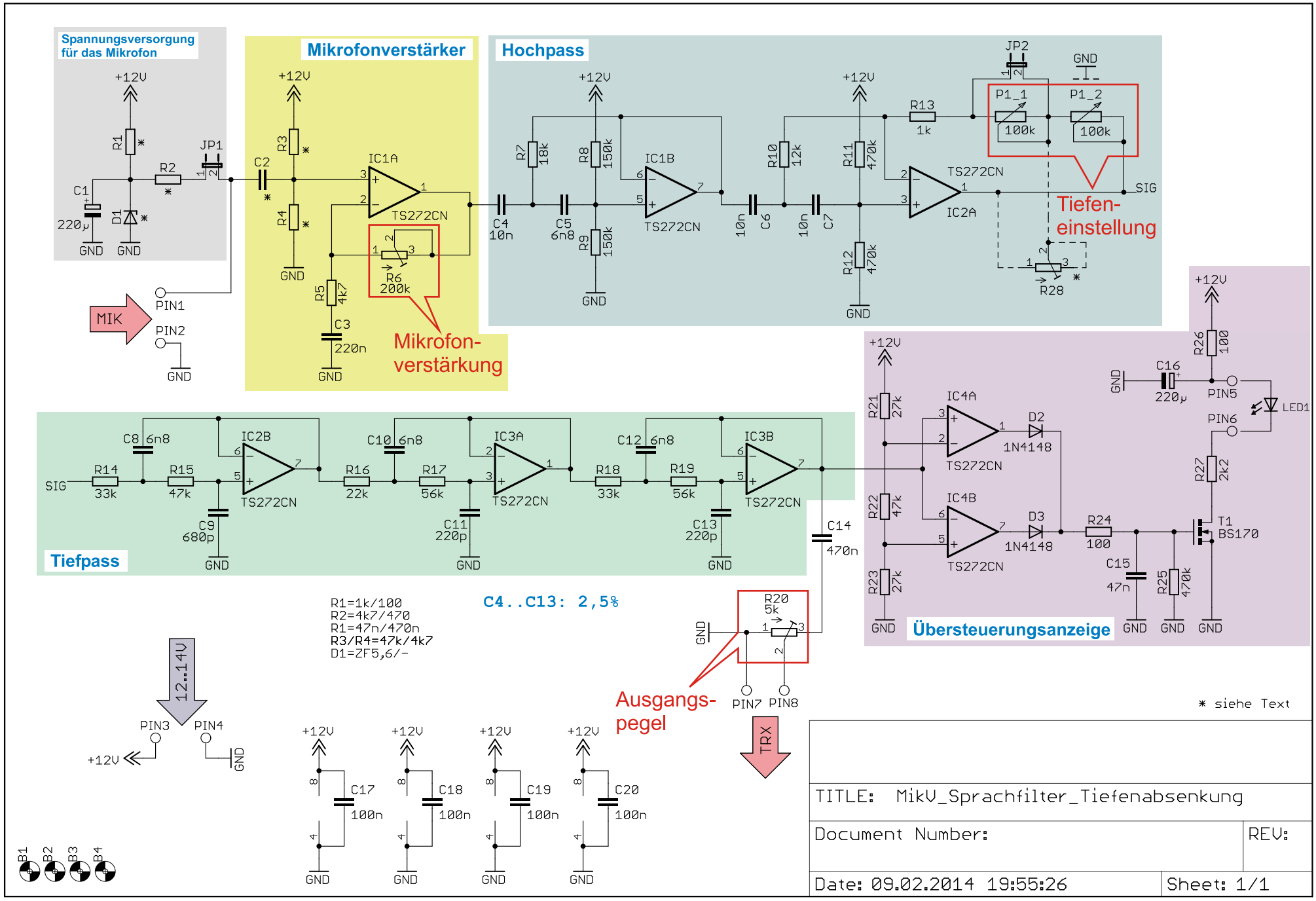


...nicht nur für Flugfunkheadsets

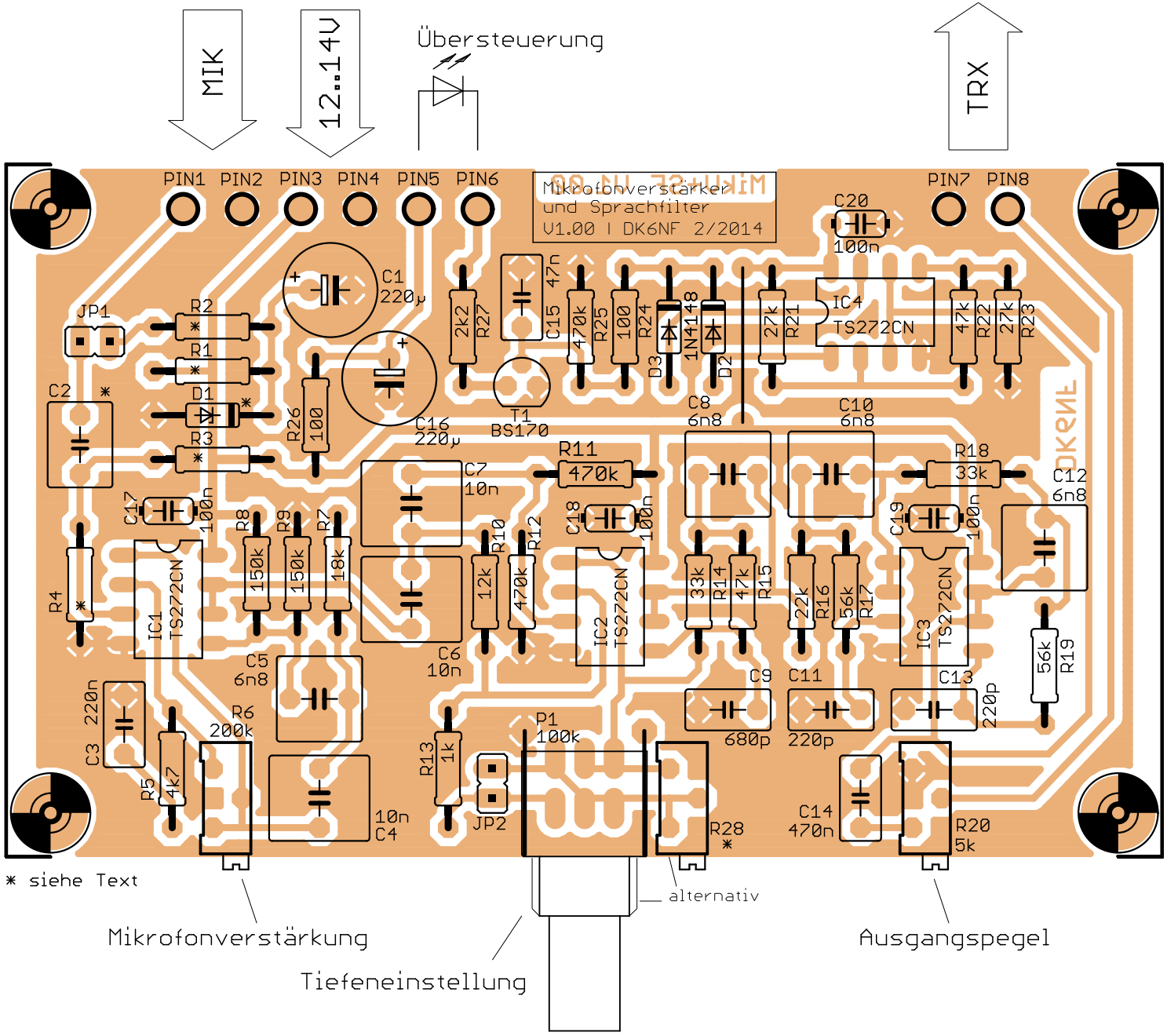
Amplitudenfrequenzgänge des Sprachfilters



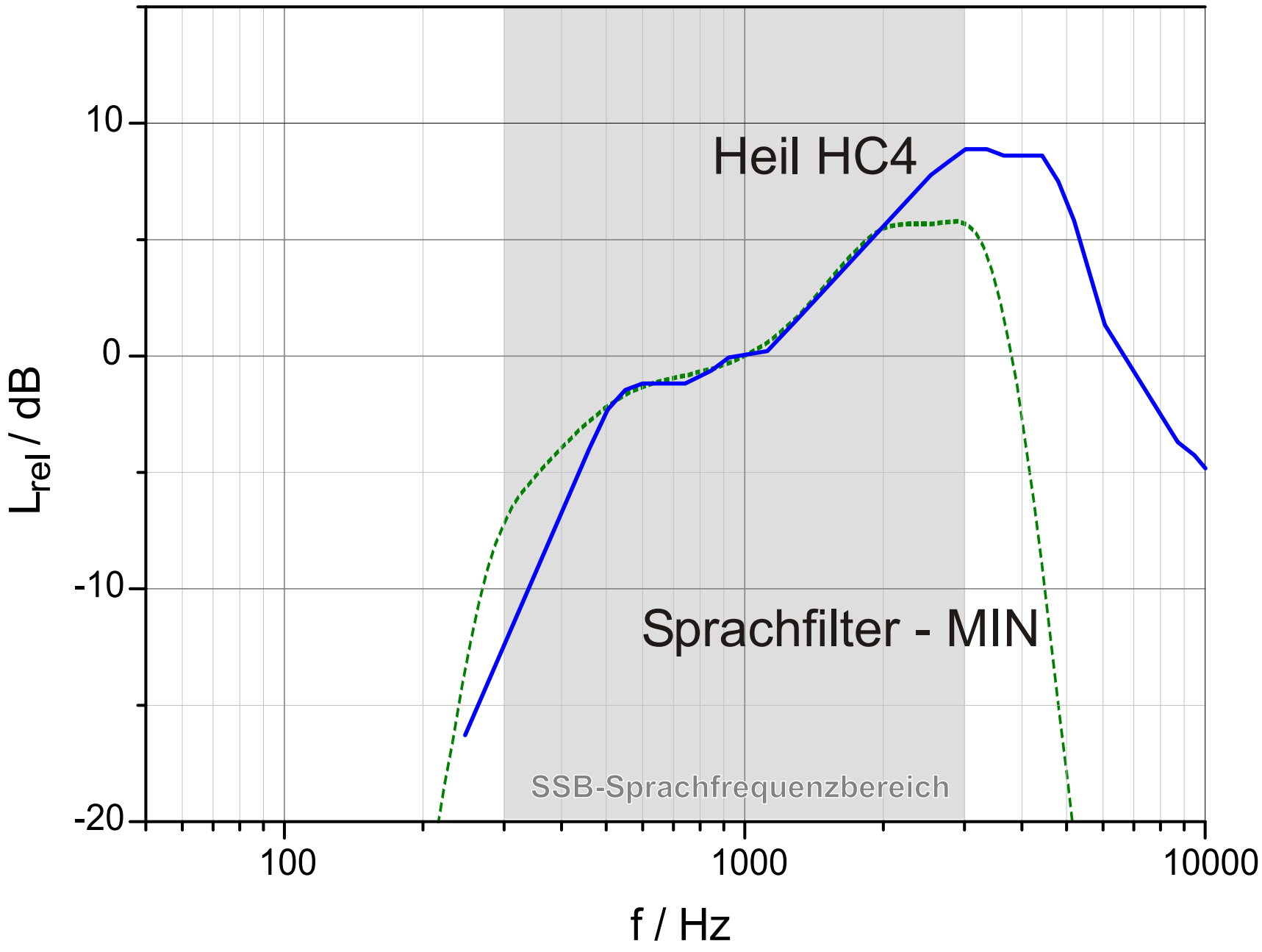
Schaltplan


Spannungsversorgung für das Mikrofon
Mikrofonverstärker
Hochpass
Tiefpass
Übersteuerungsanzeige
Mikrofon-verstärkung
Tiefen-einstellung
Ausgangs-pegel
MIK
TRX
12..14V
SIG
LED1
TS272CN
BS170
1N4148
C4..C13: 2,5%
R1=1k/100
R2=4k7/470
R1=47n/470n
R3/R4=47k/4k7
D1=ZF5,6/-
* siehe Text
TITLE: MikV_Sprachfilter_Tiefenabsenkung
Document Number:
REV:
Date: 09.02.2014 19:55:26
Sheet: 1/1

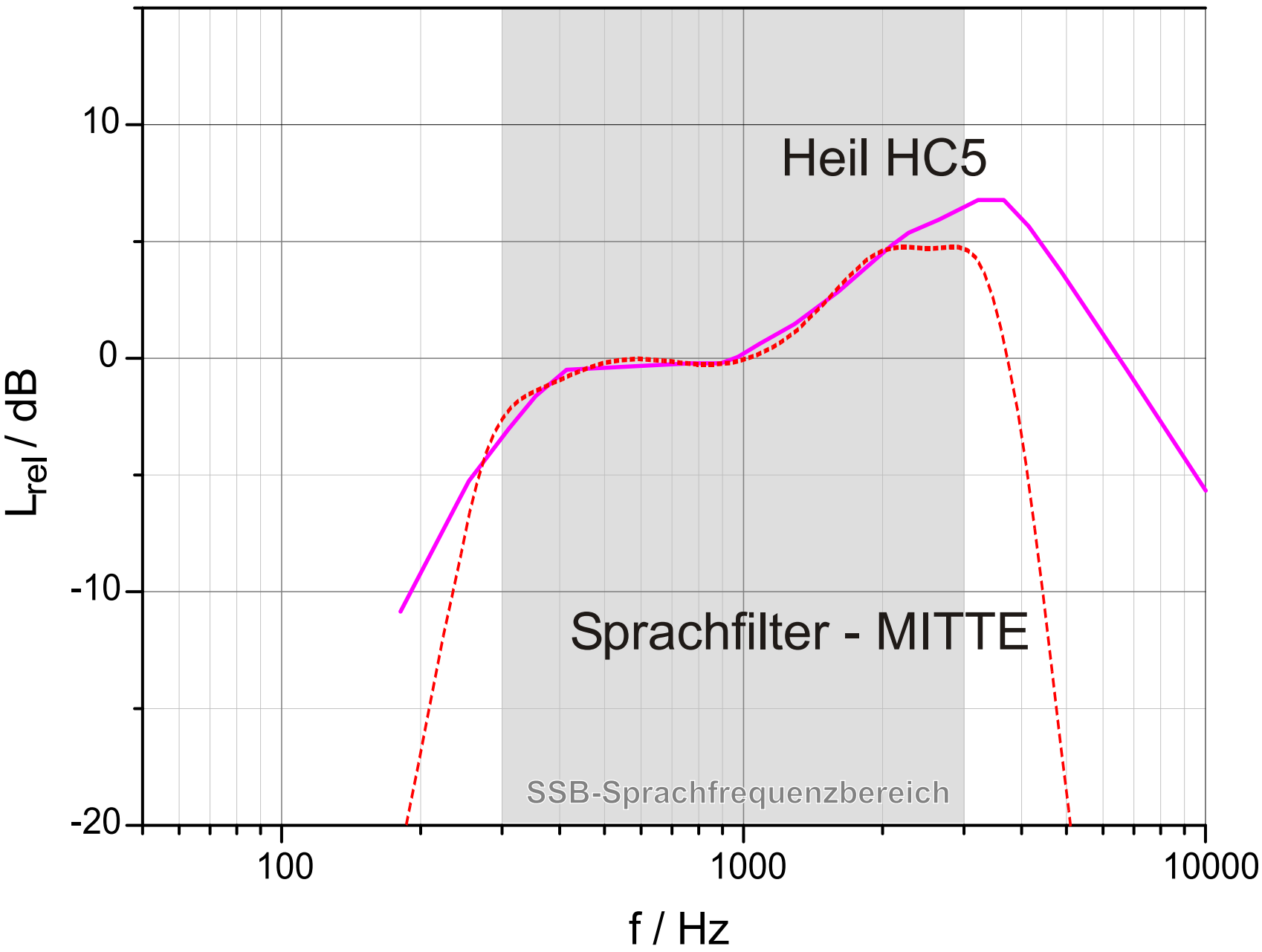
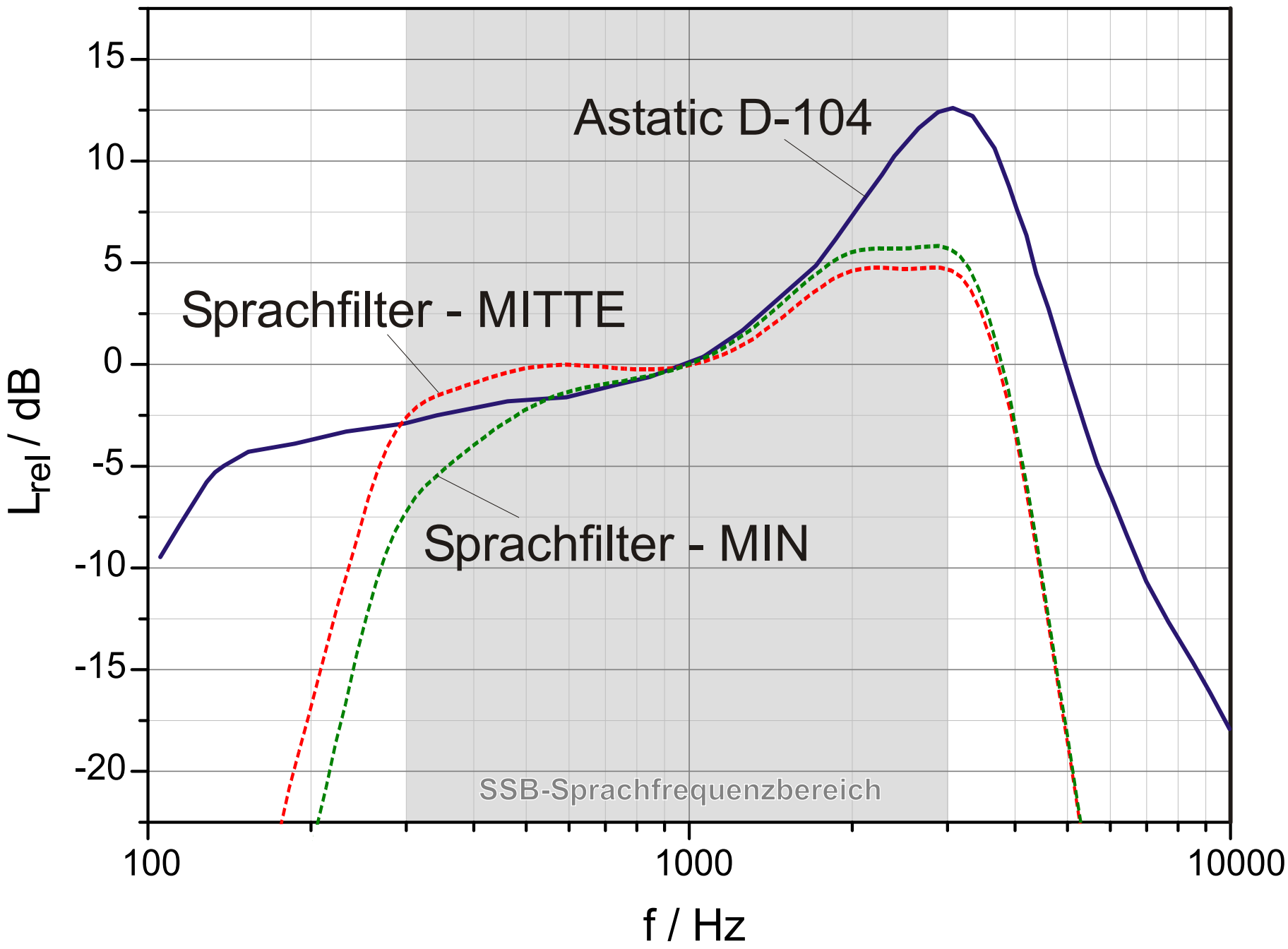
Bestückungsplan



Vergleich der Heil-HC4-Kapsel mit der Minimumeinstellung des Sprachfilters



Vergleich der Heil-HC5-Kapsel mit der Mittenstellung des Sprachfilters



Vergleich des Astatic D-104 mit verschiedenen Einstellungen des Sprachfilters