

IVM 4

Audio Presets Details

SST 4

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AKG SOUNDS BETTER



COMPRESSOR

All COMPRESSOR Presets have one GOAL:

- Create a precise and well-balanced monitoring level by
 - maintaining all sound nuances and
 - a natural control behavior without artifacts



AKG ROOM SIMULATION

All ROOM SIMULATION Presets have one GOAL:

- Generate a natural listening environment.
- Offering:
 - a precise mix and
 - better wearing comfort of the earphones



EQUALIZER

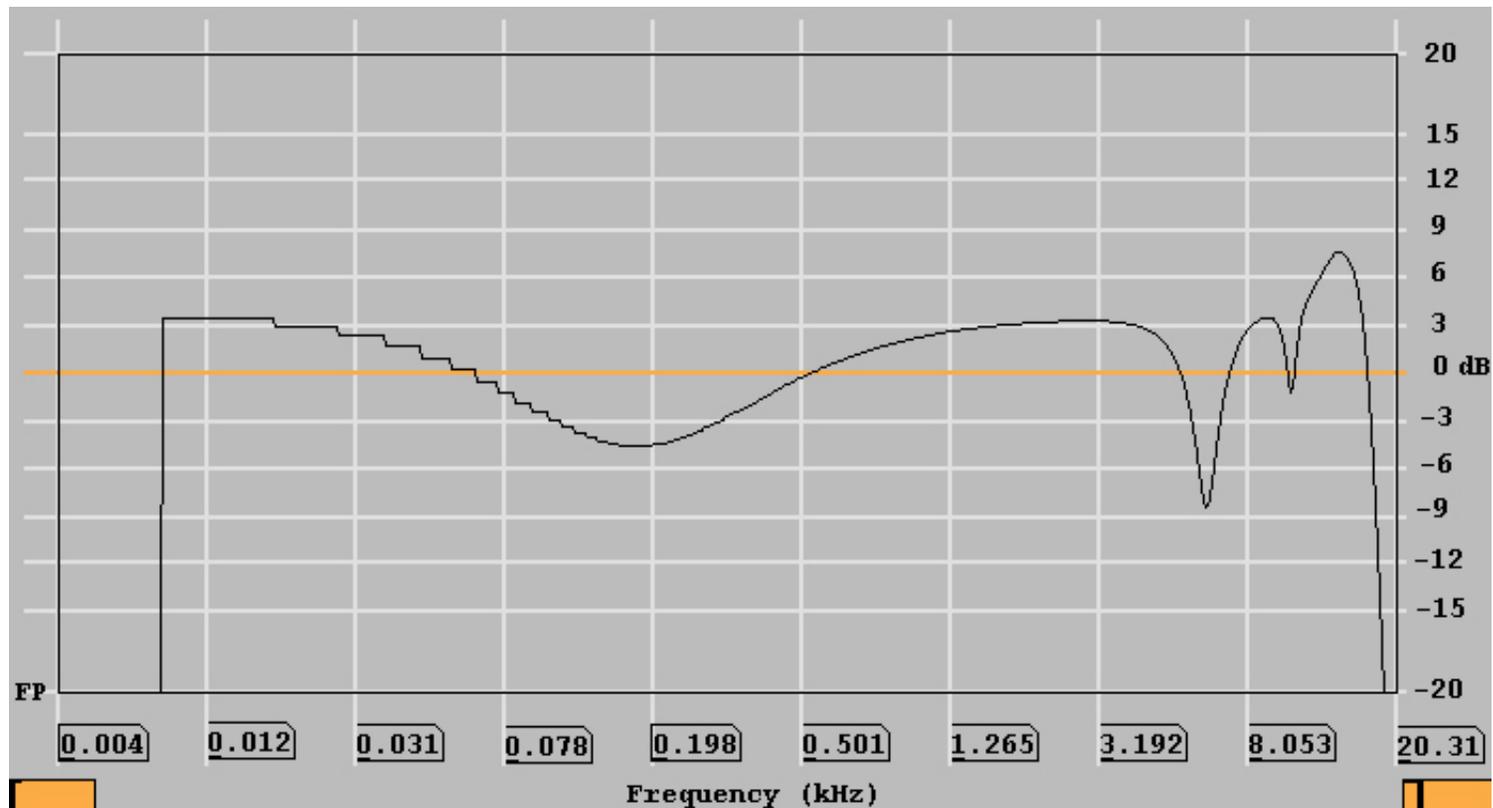
All EQUALIZER Presets have one GOAL:

- Provide solutions for typical sound-problems of stage-monitoring:
 - improve transparency
 - soften a harsh sound



EQUALIZER – IP 2 PRESET

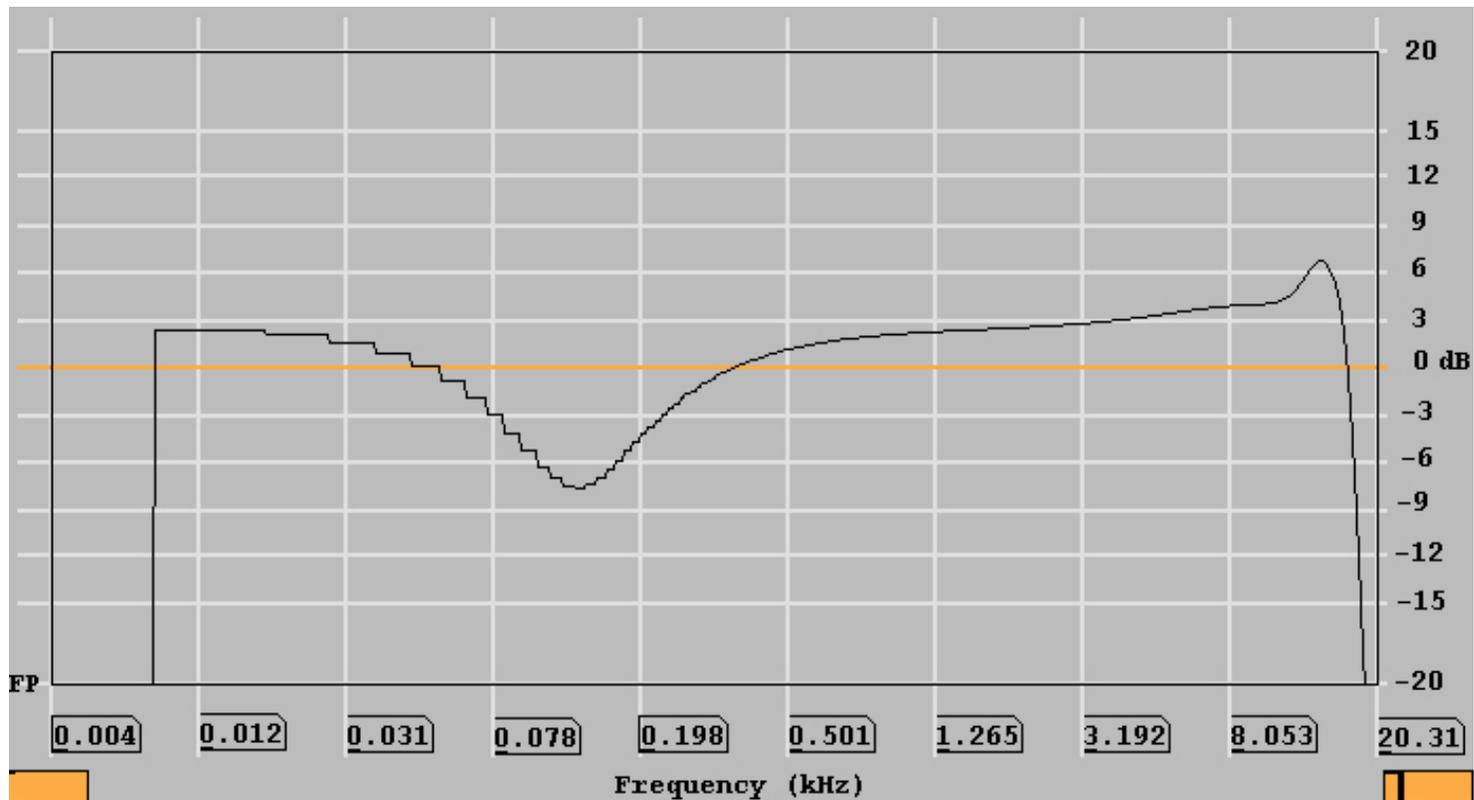
IP 2: Correction curve for a neutral sound with the IP 2 earphones



Remark: The development software has a poor graphical resolution below 100 Hz

EQUALIZER – CLEAR PRESETS

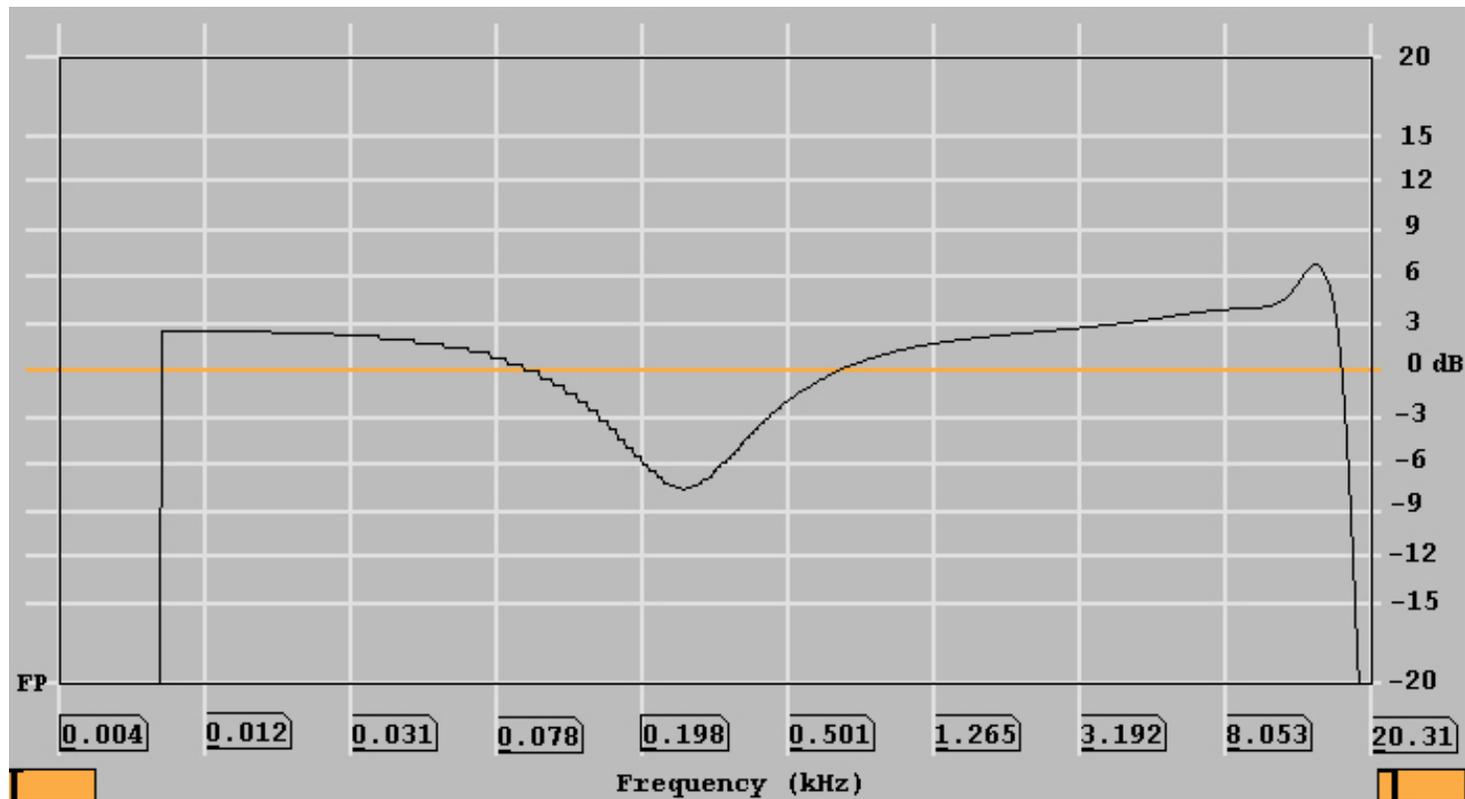
CLEAR 1: 7 dB attenuation at 125 Hz



Remark: The development software has a poor graphical resolution below 100 Hz

EQUALIZER – CLEAR PRESETS

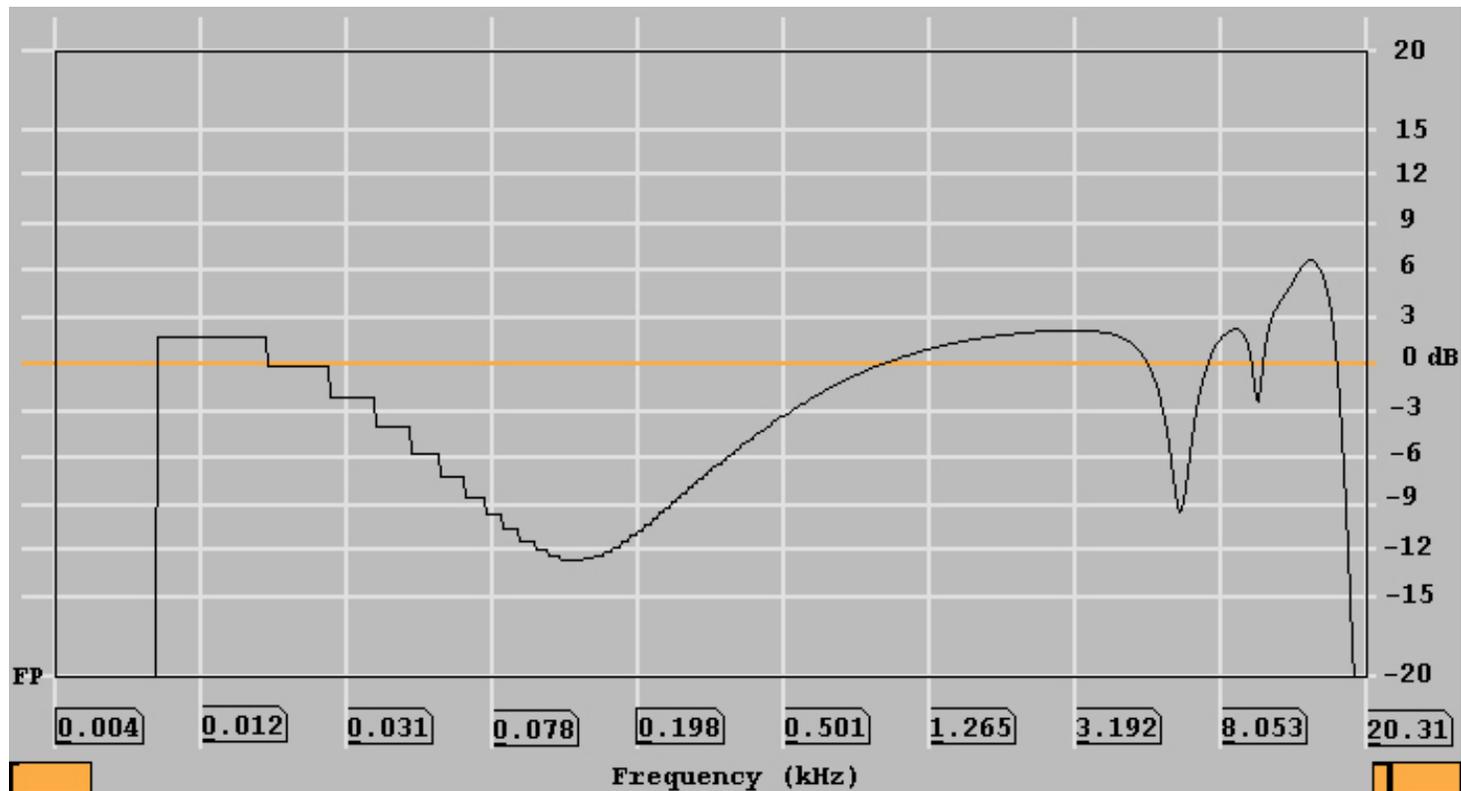
CLEAR 2: 7 dB attenuation at 250 Hz



Remark: The development software has a poor graphical resolution below 100 Hz

EQUALIZER – CLEAR PRESETS

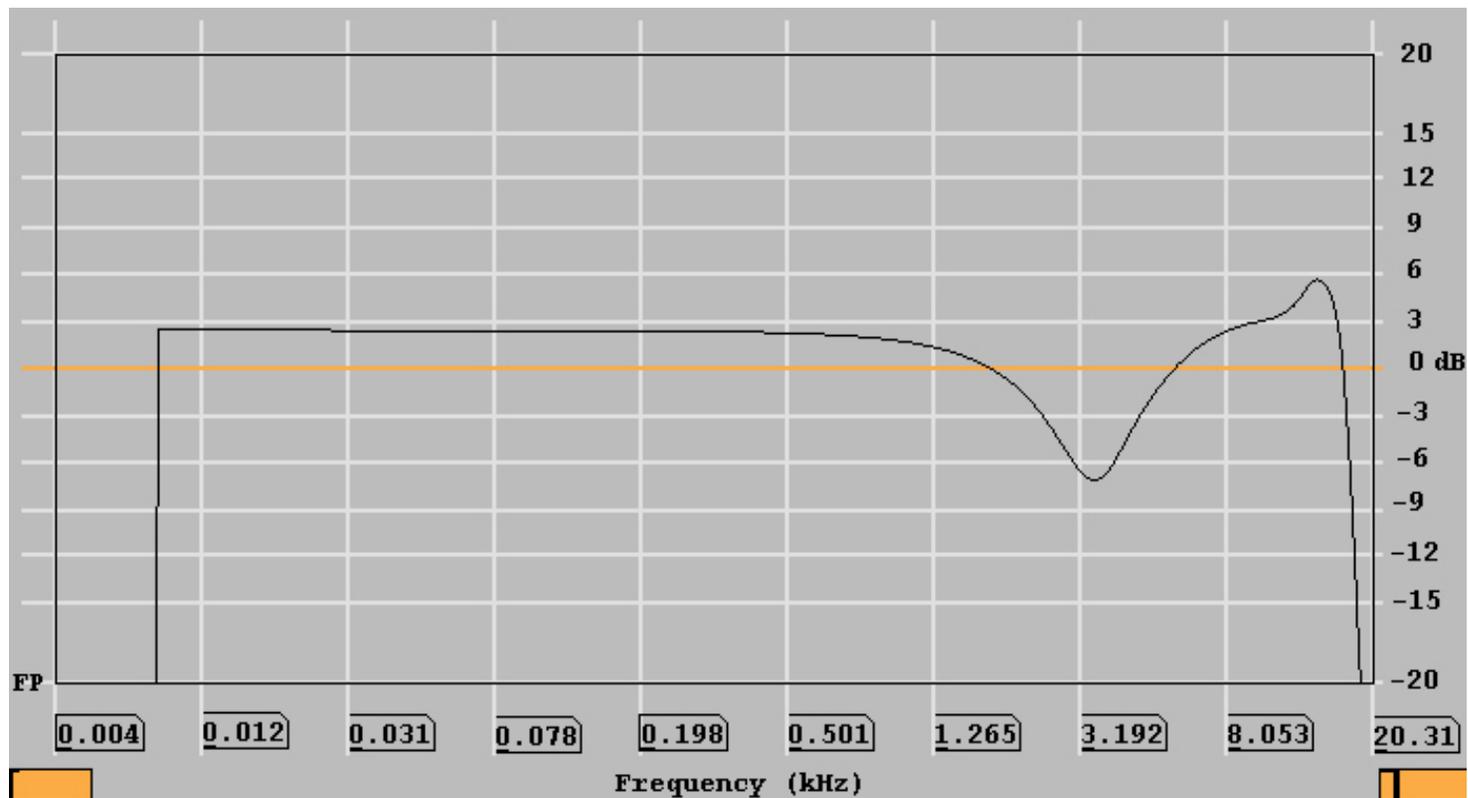
CLEAR 3: IP 2 correction curve plus 7 dB attenuation at 125 Hz



Remark: The development software has a poor graphical resolution below 100 Hz

EQUALIZER – SOFT PRESETS

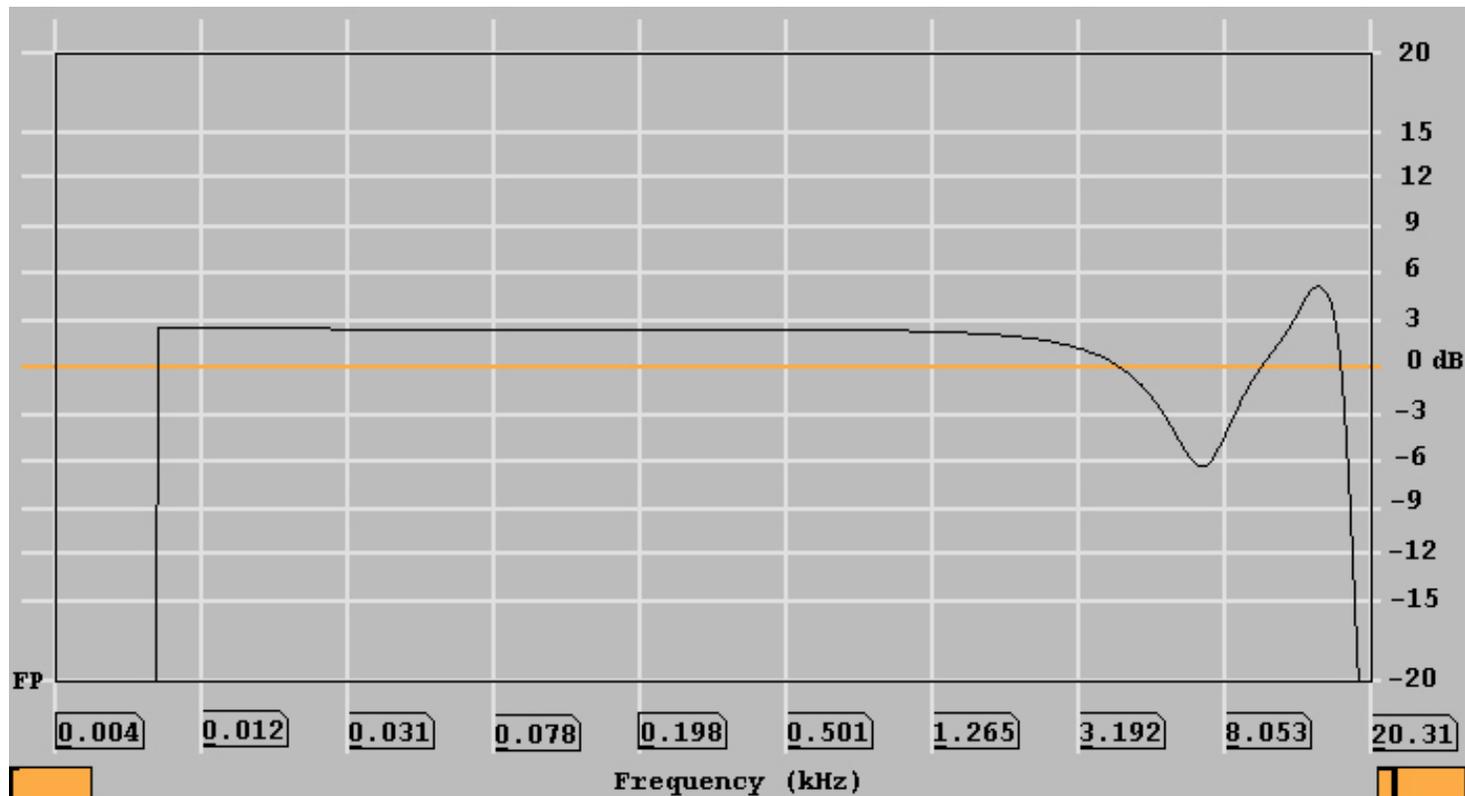
SOFT 1: 7 dB attenuation at 3.4 kHz



Remark: The development software has a poor graphical resolution below 100 Hz

EQUALIZER – SOFT PRESETS

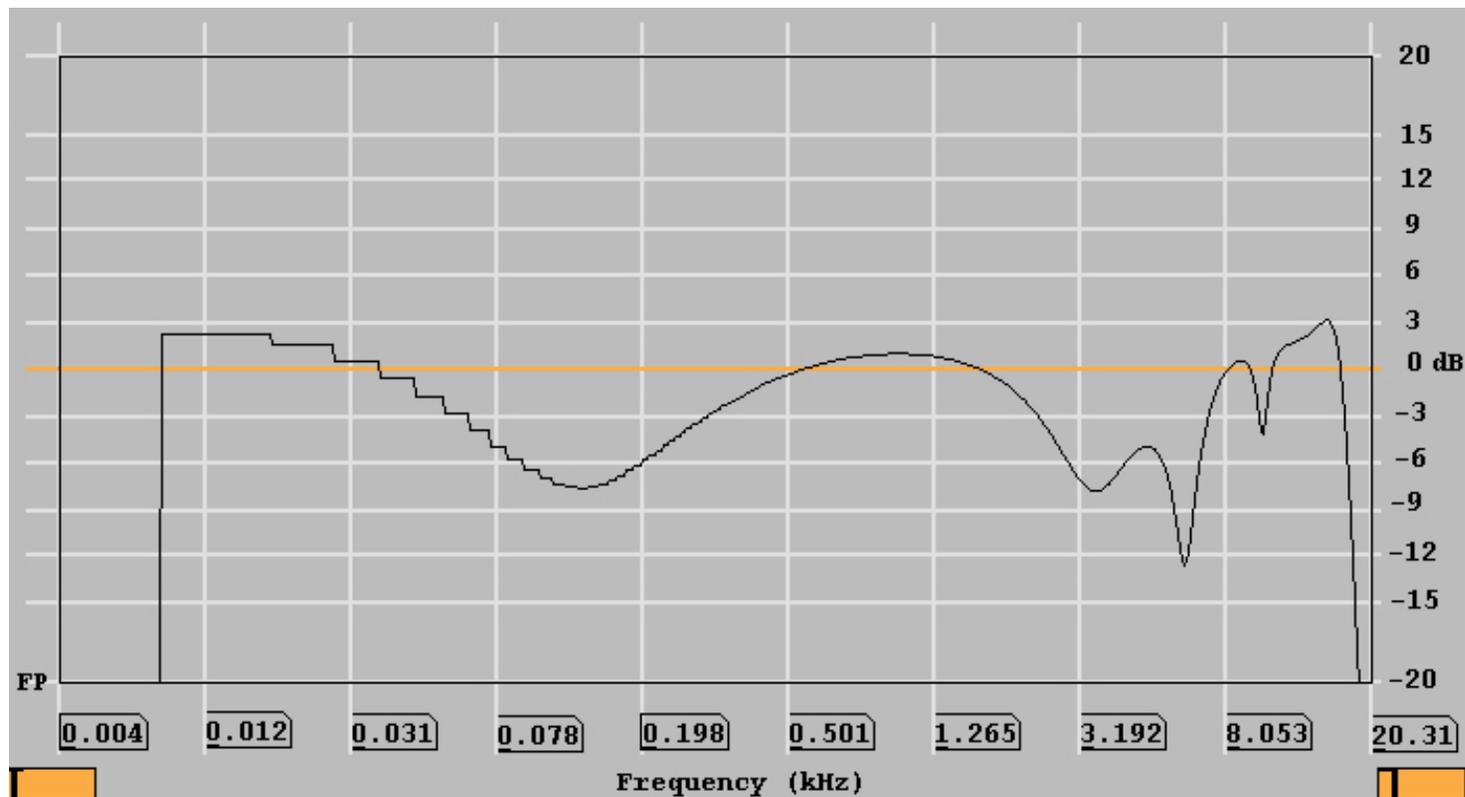
SOFT 2: 7 dB attenuation at 6.8 kHz



Remark: The development software has a poor graphical resolution below 100 Hz

EQUALIZER – SOFT PRESETS

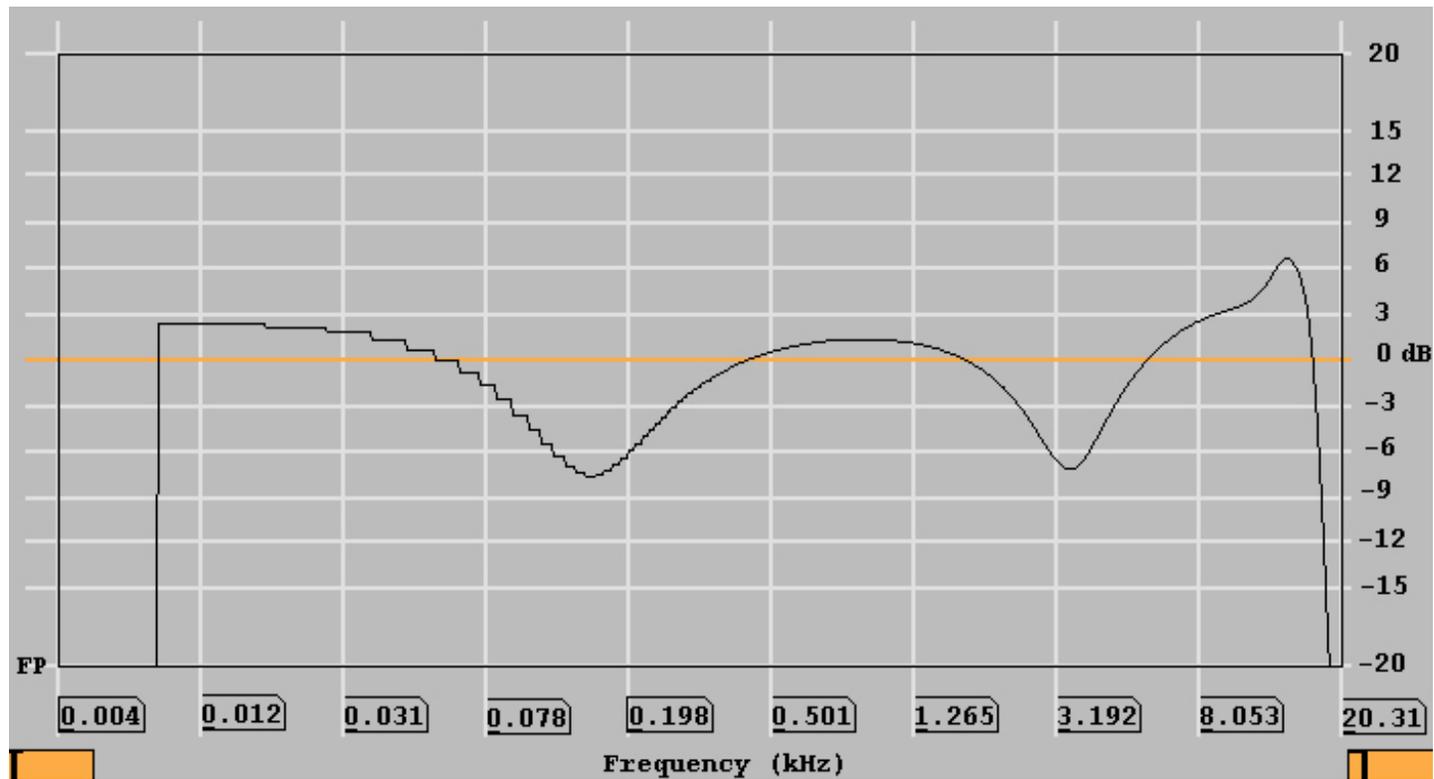
SOFT 3: IP 2 correction curve plus 7 dB attenuation at 3.4 kHz



Remark: The development software has a poor graphical resolution below 100 Hz

EQUALIZER – WARM PRESETS

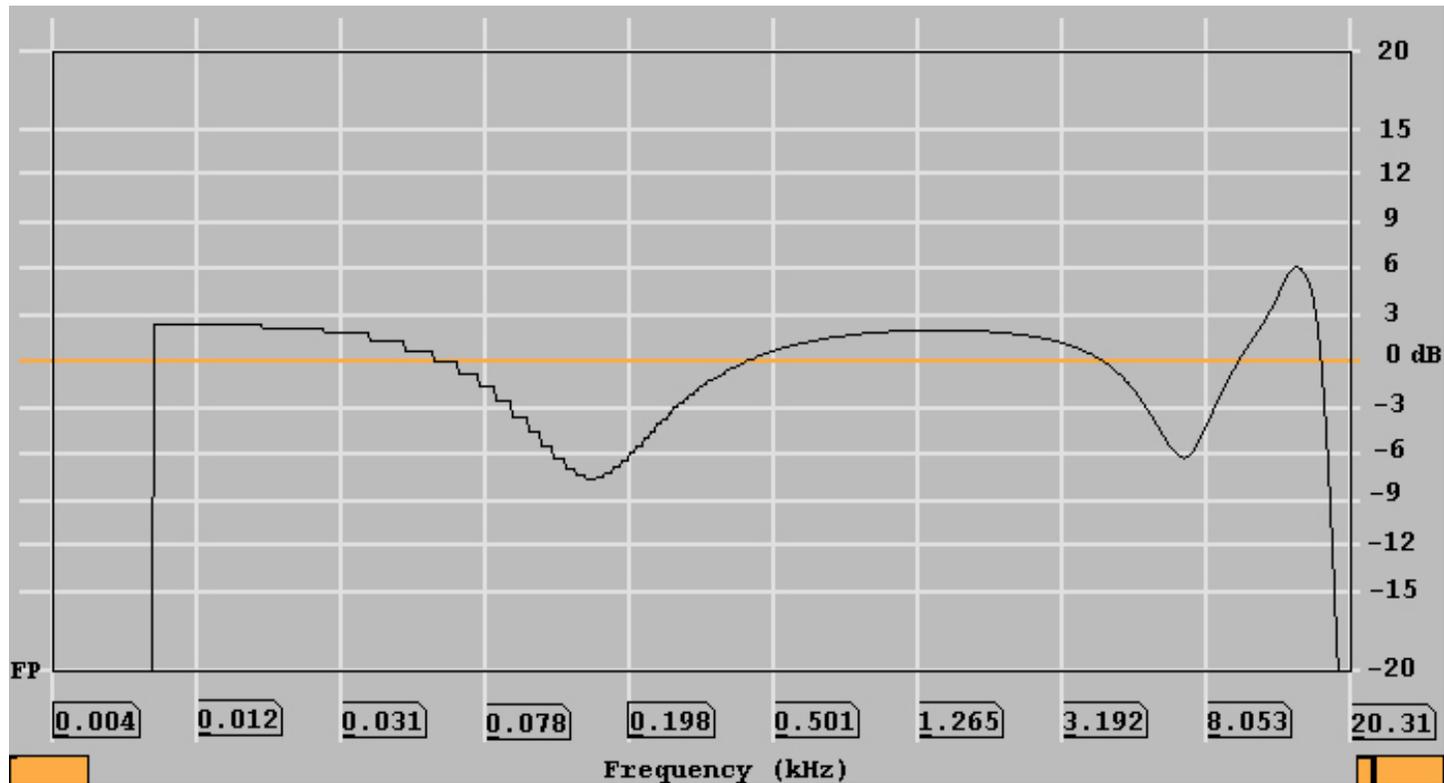
WARM 1: 7 dB attenuation at 125 Hz and 3.4 kHz



Remark: The development software has a poor graphical resolution below 100 Hz

EQUALIZER – WARM PRESETS

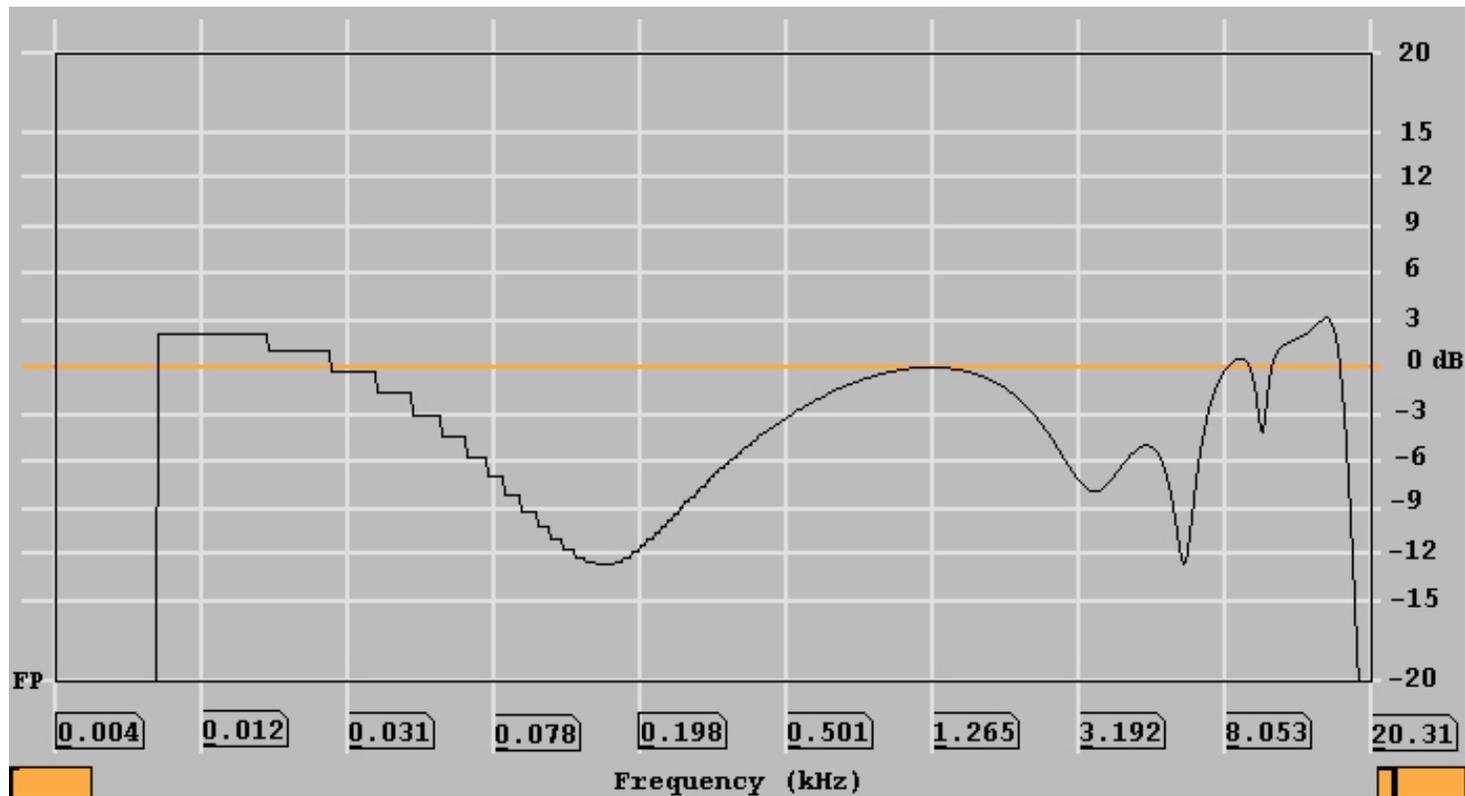
WARM 2: 7 dB attenuation at 125 Hz and 6.8 kHz



Remark: The development software has a poor graphical resolution below 100 Hz

EQUALIZER – WARM PRESETS

WARM 3: IP 2 correction curve plus 7 dB attenuation at 125 Hz and 3.4 kHz



Remark: The development software has a poor graphical resolution below 100 Hz

COMPRESSOR

All COMPRESSOR Presets have one GOAL:

- Create a precise and well-balanced monitoring level by
 - maintaining all sound nuances and
 - a natural control behavior without artifacts



EQUALIZER – COMPRESSOR PRESETS

SOFT 1 - 3: soft and gentle compression

SOFT 1:

Threshold: -22 dB
Ratio: 2 : 1
Knee: 0.2
(0 .. Soft / 1 .. Hard)
Makeup Gain: 8 dB
Attack Time: 32 ms
Release Time: 373 ms

SOFT 2:

Threshold: -14 dB
Ratio: 4.4 : 1
Knee: 0
(0 .. Soft / 1 .. Hard)
Makeup Gain: 8 dB
Attack Time: 32 ms
Release Time: 373 ms

SOFT 3:

Threshold: -22 dB
Ratio: 3 : 1
Knee: 0.2
(0 .. Soft / 1 .. Hard)
Makeup Gain: 12 dB
Attack Time: 32 ms
Release Time: 373 ms



EQUALIZER – COMPRESSOR PRESETS

MED 1 - 3: standard compression, enhancement of intelligibility and loudness

MED 1:

Threshold: -42 dB
Ratio: 1.4 : 1
Knee: 0
(0 .. Soft / 1 .. Hard)
Makeup Gain: 10 dB
Attack Time: 60 ms
Release Time: 756 ms

MED 2:

Threshold: -42 dB
Ratio: 1.8 : 1
Knee: 0.3
(0 .. Soft / 1 .. Hard)
Makeup Gain: 12 dB
Attack Time: 60 ms
Release Time: 756 ms

MED 3:

Threshold: -50 dB
Ratio: 1.4 : 1
Knee: 0.3
(0 .. Soft / 1 .. Hard)
Makeup Gain: 12 dB
Attack Time: 60 ms
Release Time: 756 ms



EQUALIZER – COMPRESSOR PRESETS

HARD 1 - 3: aggressive compression

HARD 1:

Threshold: -22 dB
Ratio: 3.6 : 1
Knee: 0.3
(0 .. Soft / 1 .. Hard)
Makeup Gain: 14 dB
Attack Time: 32 ms
Release Time: 623 ms

HARD 2:

Threshold: -14 dB
Ratio: 5.2 : 1
Knee: 0.3
(0 .. Soft / 1 .. Hard)
Makeup Gain: 14 dB
Attack Time: 17 ms
Release Time: 60 ms

HARD 3:

Threshold: -32 dB
Ratio: 5.2 : 1
Knee: 0
(0 .. Soft / 1 .. Hard)
Makeup Gain: 20 dB
Attack Time: 17 ms
Release Time: 146 ms



EQUALIZER – COMPRESSOR PRESETS

LIM 1 / 2: limiter settings

LIM 1:

Threshold: -6 dB

Ratio: 10 : 1

Knee: 0.7

(0 .. Soft / 1 .. Hard)

Makeup Gain: 0 dB

Attack Time: 19 ms

Release Time: 1000 ms

LIM 2:

Threshold: -6 dB

Ratio: 10 : 1

Knee: 0.7

(0 .. Soft / 1 .. Hard)

Makeup Gain: 0 dB

Attack Time: 19 ms

Release Time: 100 ms



EQUALIZER – TECHNICAL LIMITER

The technical limiter is the last block in the SST 4 audio processing chain.

It prevents the RF transmission from distortion.

Settings: Threshold: 0 dB
 Ratio: (infinite) : 1
 Attack Time: 0 ms
 Release Time: 70 ms

You get the most gain and the best S/N with the IVM4 system with an optimal modulated RF transmission.

TIPP:

Set the In-Gain so that the gain reduction display indicates a little reduction from time to time!