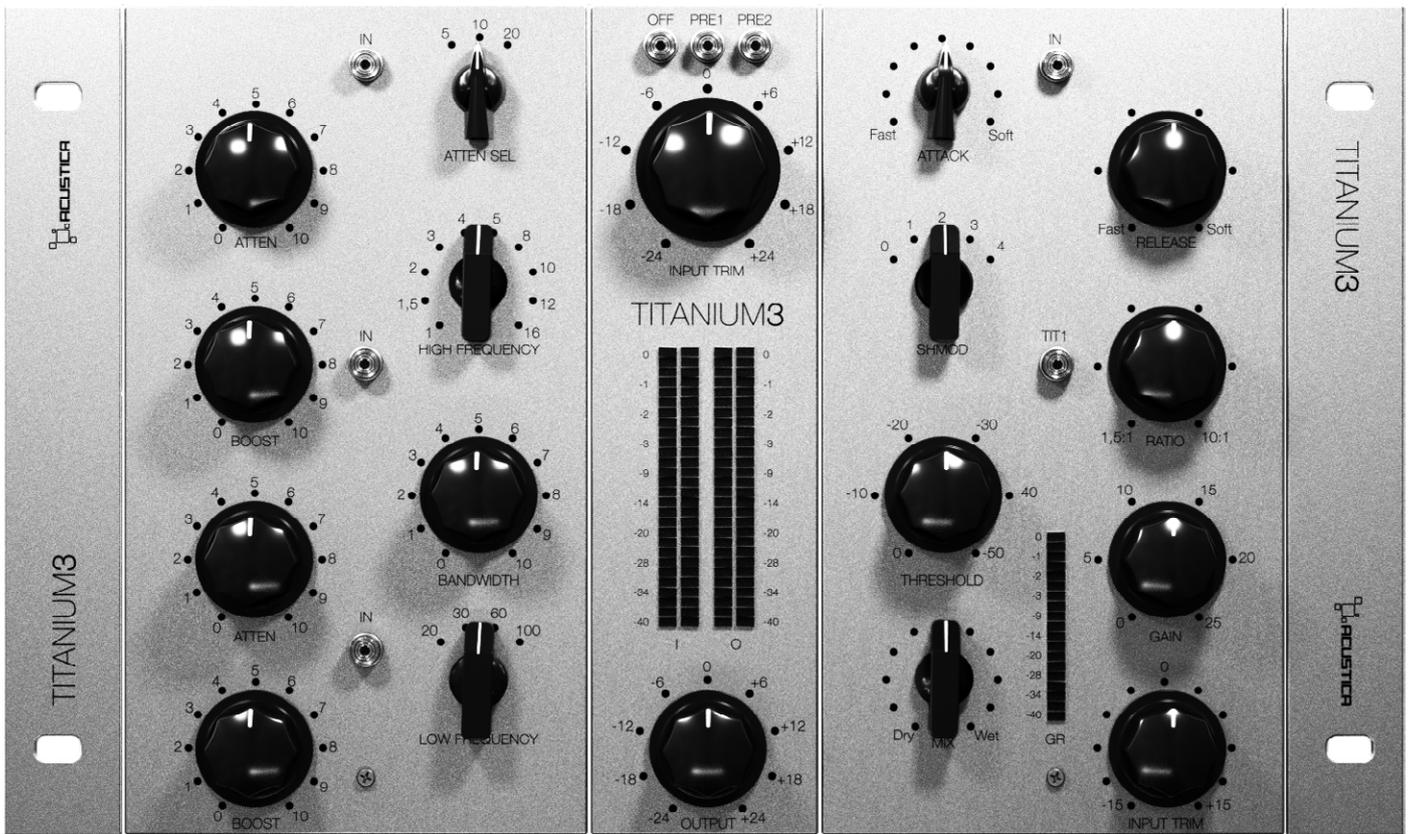


TITANIUM3



Introduction	page 2
Package Contents	page 3
Acustica Audio Technology	page 5
Core 13	page 6
What is a ZL instance	page 6
Disclaimer	page 7
Performance Caution	page 7
Plug-in Formats	page 7
System Requirements	page 9
Sampling Process	page 10
Operation	page 10
Controls	page 30
Product Registration	page 33
Product Authorization	page 33
References	page 34
Copyrights and Credits	page 34
Extra	page 35

1. Introduction



Titanium3 channelstrip plugin

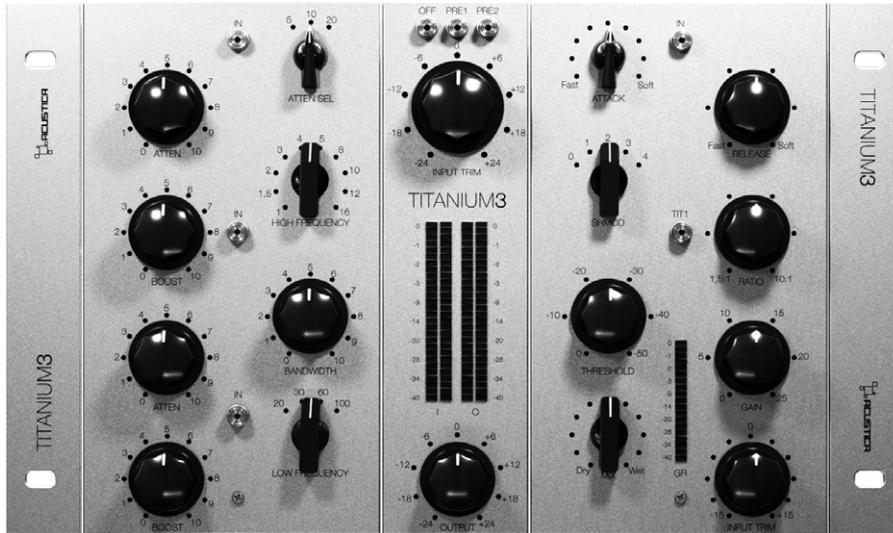
In order to meet its customers' growing demands, Acustica has released a new version of TITANIUM. Welcome to TITANIUM3!

Besides CORE13, TITANIUM3 is further enhanced with many more innovative features, it preserves peculiarities already introduced in the previous version like: Ultramatch, the technique for minimizing errors in digital compression curves, the "ShMod" (a shape control for the attack behavior of the compressor) and the "Input Trim" to control the INPUT/OUTPUT compensation of the signal.

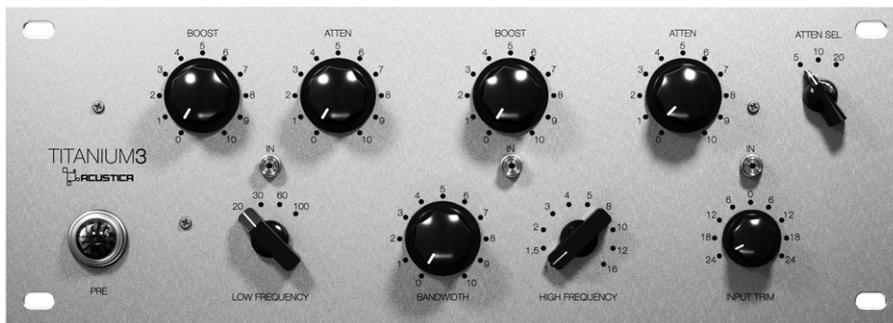
What makes this plugin even more versatile is a switch allowing customers to choose whichever compressor they would like to use. The default compressor is the latest version, but if you prefer the "old" sound you can select the previous version by pressing the button labelled "Tit1".

We have further improved and strengthened this bundle by offering our customers additional, sensational emulations. We strongly believe that this upgrade will enhance the potential of this suite, so you'll just have to try it out!

2. Package Contents



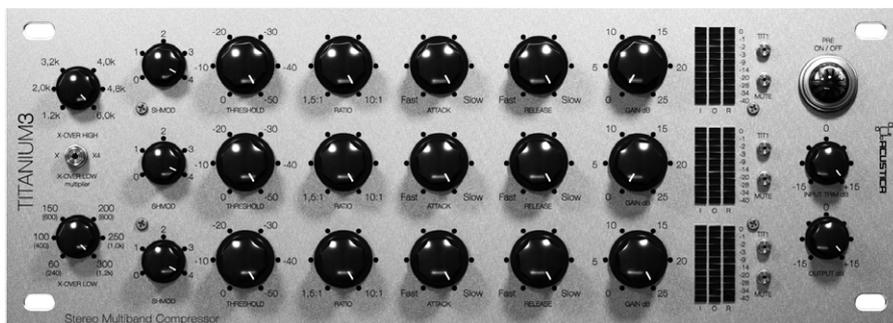
Titanium3 Strip



Titanium3 EQ



Titanium3 Pre



Titanium3 3B Comp



Titanium3 1B Comp

The Titanium3 suite is made up of six separate Acqua plug-ins with gorgeous graphical user interfaces that enable easy and quick parameter changes. We upgraded our powerful three-band multiband compressor and the single-band compressor (that can be used like a typical compressor) and we also added some more products to complete this fantastic suite, delivering the legendary tone and features of some incredible tube-based units released in the market over the last 25 years.

The TITANIUM3 STRIP has become the main plugin in this package, it is not your everyday strip but rather it is a warm sounding and easy-to-use channel strip characterized by an intuitive and modern GUI with a crisp and sophisticated look, a responsive design and several premium elements. Keep reading for details.

Titanium3 suite is made up of:

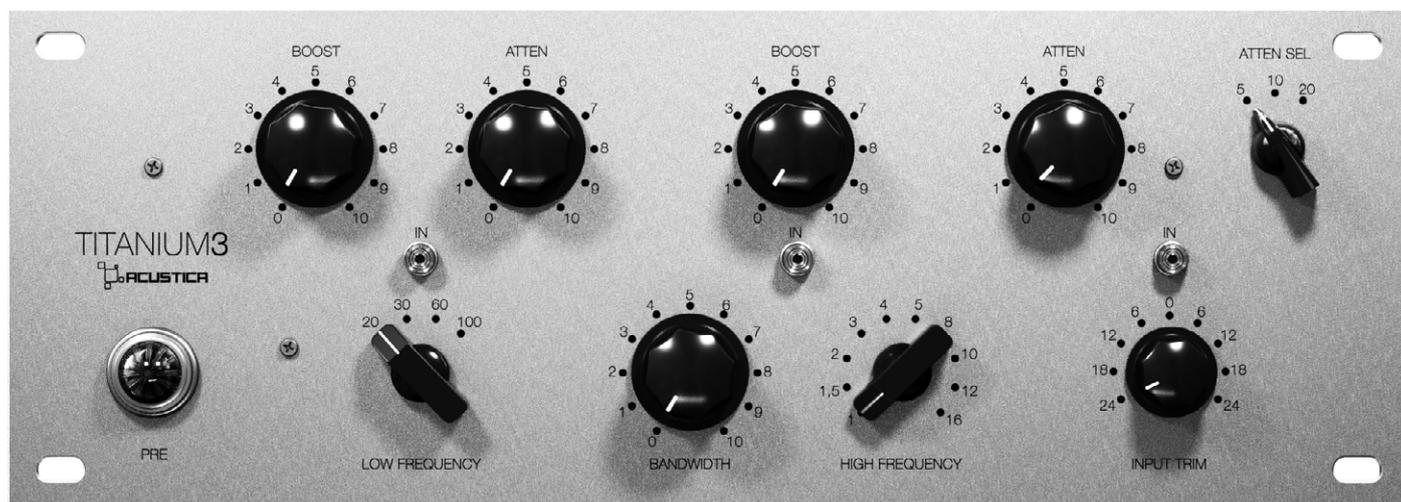
-Titanium3 3BComp
(standalone three-band -multiband compressor)

-Titanium3 1BComp
(standalone single-band compressor)

-Titanium3 EQ
(standalone all-tube passive Equalizer)

-Titanium3 Pre
(Preamp standalone module)

-Titanium3 Strip
(Channel strip that includes all the previous cited standalone plugins)



Titanium3 EQ standalone plugin

During the modeling process we used the best converters and cables on the market, we measured the unit in excellent conditions, and employed skilled experts in the sampling process using our self-developed sampling application.

Now you have one of the best, high-quality professional audio software plugins in your audio workstation. We spend countless hours developing these no-compromise plug-ins to give you nothing but the best sound and feel that they are as close to the real hardware as can be imagined.

We are confident that this plug-in will help you make more professional mixes.

Each plug-in included in the Titanium3 suite comes in a "Standard version" or an alternative "ZL*" version which operates at *zero latency and is thus suitable for use when tracking, at the cost of extra processing resources.

(For details about ZL version refer to Chapter 6)

3. Acustica Audio

Acustica Audio is a leading company specializing in analog hardware virtualization.

Since the birth of Nebula in the summer of 2005, there has been an active collaboration between forward thinking developers, beta testers, audio engineers and equipment samplers from around the world.

The research and development has progressed through many stages and employs many innovative processes and technologies as yet unheard of in other products or devices.

The company's goal is to provide the most authentic reproduction of sampled vintage gear and other high-end hardware devices, using the revolutionary technology Vectorial Volterra Kernels Technology (V.V.K.T.) without the negative artifacts created by the current convolution technology.

After many years of fruitful labor, this creative forward thinking group has evolved into a team of experts in knowing what it takes to serve the "best of both worlds" (digital & analog).

Acustica... Audio Renaissance

4. Technology

Our technology provides seamless real-time emulations of pre-amplifiers, equalizers, compressors, reverbs, multi-effects, stomp-boxes, cabinets, microphones and tape emulations, on Intel based machines, both for Windows and OSX. The Acustica Acqua Engine is a combination of multiple advanced technical processes that are unique to Acustica Audio. Effects devices can be successfully sampled without further editing or adjustment, and then immediately processed and reproduced via the same engine, where the sampled data is stored and available for recalling, loading, saving, and advanced editing when desired. The quality of reproduction of sampled sources is nearly indistinguishable from the originals. The following techniques are merged into a single model. Nonlinear convolution: The Volterra theorem is applied as a complete re-thinking, replacement, and generalized substitution of the convolution algorithm that is commonly used in audio applications. Accurate sampling, processing, and reproduction of up to 9 harmonics is possible with our proprietary technology. Nonlinear convolution, dynamic Volterra series, and time-varying models are just some of the state-of-the-art features that the Core Acqua Engine offers. The Core Acqua Engine comes complete with all of its internal tools, and also includes the N.A.T. sampling system, a stand-alone application shipped with most of Acustica Audio's products using different configurations.

Support is provided directly from the R&D Team that is continuously developing the engine. Workshops and project-specific learning sessions can be organized for your team. The Core Acqua Engine is available with a diverse stand-alone library, ready for inclusion in 3rd party products.

Vectorial Volterra Kernels Technology (V.V.K.T.): Volterra kernels are stored in tree data structures (managing up to 100,000 elements in real-time using a CPU Pentium IV 3 GHz). The Acqua Engine is capable of implementing a list of modules commonly used in audio synthesizers (LFO, envelope followers, dynamic modules, FUNS). Multiple combinations of these processes may be applied to control sources and destinations.

Time Varying Models (T.M.V.): A collection of kernels collect data using an advanced sampling technique, creating a multi-dimensional snapshot of a nonlinear/time-varying system.

Multiple recordings are interpolated in order to mimic the time evolution and response to external variables such as user parameters and input/output assessments (e.g. time-varying cyclic effect processors, stomp-boxes, digital multi-effect units).

More info about our technology at the following link: <http://www.acustica-audio.com/pages/engine>

5. Core13

Titanium3 is based on our Core 13 engine:

NEW: Our new Core 13 engine improves on the previous versions by introducing our new **VLA™ technology (Vector Loading Acceleration)**, which makes the response of the plugin much faster;

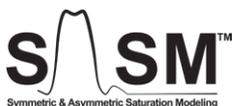
- Upgraded **SASM (Symmetric & Asymmetric Saturation Modeling)**. A high-performance saturation algorithm;

- Introduction of new post-production sample de-noising tech for cleaner deconvolved impulses called **STT (Super transient technology)**;

- Full compatibility with Client/Server architecture integrated by default in Acqua plugins;

- Engine optimization introducing a new highly efficient algorithm. This innovative technique is applied to all the deconvolved impulses for further de-noise processing and subsequent elimination of any incorrect low-level behavior (including the so-called “echo bug”).

Core 13 allows performance improvements for each plug-in of the Acqua Effects series, while at the same time preserving all the features already supported in previous CORE upgrades.



6. What is a ZL instance for?

Acustica Audio’s plug-ins come in two versions: ZL (zero latency) and normal (non ZL). While the ZL version does not introduce any latency to your system, the standard version does.

This buffer varies in size for each plug-in and helps to significantly reduce the CPU and system load of your computer. For this reason we recommend that you use a ZL instance whilst tracking.

Keep in mind that anything that can reduce the CPU load on your system should be considered. For example the track count of your session, the number of plug-in instances used, sample rate, etc. You could also consider the use of direct monitoring or double the buffer/hybrid audio engine in your host if available.

Basically both plug-in instances are identical but the current Acqua engine can work with a long audio buffer or without any audio buffer.

The instance without audio buffers, “ZL”, or zero latency, do not have any audio buffer pre-loaded, and will process the audio without any delay, so at the same time the CPU load will be higher compared to the standard non ZL instance.

The idea behind a ZL instance is to give users the option to run Acqua Effect products with minimal latency, which is useful for direct monitoring for example.

7. Disclaimer

We are using the term "EARLY ACCESS" (EX: "name-product (Early Access)") to define the introductory price of the product. It's a "Public Beta" Preview.

In other words, we provide to the customers a COMMERCIAL VERSION/TRIAL VERSION that may be improved and bugs fixed within this period.

NOTE:

Titanium3 (COMMERCIAL VERSION) and Titanium3-Trial (TRIAL VERSION) are not compatible.

RECOMMENDATION:

Titanium3 (Trial) is a time-limited, fully functional version of this product (Titanium 3); it will expire 30 days after installation. We recommend you to carefully test our Titanium3-trial before purchase Commercial version.

8. Performance Caution

In order to maximize performance and usability of Titanium3 on your computer, we suggest you follow some precautionary rules that will help you save precious CPU cycles.

- First of all, set your buffer size setting as large as possible. For instance, there is generally no specific reason for using a low buffer size setting during mixing or mastering sessions. Increasing buffer sizes (hence also latency) highly decreases required CPU power.

- You should also consider only using the necessary features.

We do not ensure the complete absence of bugs or the perfect operation of the product.

Before purchasing, we suggest you download the Trial version to verify the behavior of the plug-in with your system.

Trial products are fully-functional versions of the relative commercial plug-in. The trial period expires 30 days after activation.

We do not take any responsibility for misuse of the product, or collateral problems derived from it.

Normally the Early Access period ends within 30 days from the publication on the product page but this period may vary at our discretion.

This manual includes a description of the product but gives no guarantee as for specific characteristics or successful results. The design of our products is under continuous development and improvement.

Technical specification are subject to change.

9. Plug-in Formats Explained (VST, AU, AAX)



Below is a rather concise but complete explanation of the main formats supported for our Acqua plugins.

These plugin formats are a result of efforts in the audio software industry to create Standards that utilise the capabilities of either DAWs (Digital Audio Workstations) – the host platforms for plugins run on PC (Windows-based platform) and/or Mac (OSX-based platform).

Format	Software
VST	Ableton, Cubase, Digital Performer, FL Studio, Studio One, Reaper, Nuendo
AU	Logic Pro, Ableton Live, Studio One, Digital Performer
AAX	Pro Tools 12 and later

NOTE: Please note that the table contents may be subject to change.

9.1 VST (Virtual Studio Technology)

VST is the most known interface type for effects and instruments. As of today VST has evolved into its 3rd version and is commonly referred to as VST3.

VST is the most widely implemented format in the industry and is supported by DAWs such as Ableton®, Cubase®, Sonar® and more.

9.2 AU (Audio Units)

Apple's proprietary audio technology, part of the Core Audio provided by Mac OS X. It is part of the operating system so it provides low latency and system-level support for the interface.

Most DAWs developed for Mac OS X support the Audio Units interface due to its stability and system-level solutions (which also means faster processing).

9.3 AAX (Avid Audio eXtension)

AAX is a unified plugin format which comes in 2 variations: AAX DSP, AAX Native. AAX was introduced as Avid created a 64-bit version of Pro Tools®, and this meant that a plugin format with 64-bit processing was required.

With AAX, you can share sessions between DSP-accelerated Pro Tools systems and native-based Pro Tools systems and continue using the same plug-ins.

NOTES:

A proper clarification, some DAWs like those proposed in the previous table (Fig 1) support multiple formats. Example: OSX - AU (Audio Units) plugins can also be used on Ableton® Live, Reaper® and Digital Performer®.

- In the case of using the VST and AU format for our products, on the same DAW, we recommend opting for the VST format, also if you have the possibility to choose between the VST2 and VST3 formats we recommend VST3.

- we also recommend to all customers to pay particular attention to product installation in particular the choice of the correct plugin format. For further information, please consult the Aquarius user's manual available at the following link: <http://www.acustica-audio.com/pages/aquarius>

10. System Requirements

Titanium3 is one of a growing number in the Acqua Effects plug-in product line. Acustica Audio has been working on high-quality analog hardware device software modeling for over eight years. The audio rendering engine, Acqua, embodies state of the art, sample-based products, and has set a new quality standard in the professional audio plug-in market.

Acustica Audio, in a move that is bold even for a cutting-edge company like us, sampled something remarkable and we are now bringing it to you in the form of a groundbreaking and exceptional sounding Acqua plug-in. Of the current software plug-ins available on the market, none are based on sampling, and none come close to the sound of Titanium3. Titanium3 is based on our upgraded technology that uses a new, extremely fast engine.

During the modeling process we used the best converters and cables in existence, we measured the units in excellent conditions, and employed skilled experts in the sampling process using our self-developed sampling application.

Now you have one of the best, high-quality professional audio software in your audio workstation. We spent countless hours developing these no-compromise plug-ins to give you only the best sound and feel that is as close to the real hardware as can be imagined. We are confident that this plug-in will help you make more professional mixes.

RECOMMENDATION: We recommend to our users to constantly spend time on proper hardware maintenance, trying to have the proper symmetry between hardware, operating system, DAW and plugin. Below the system requirement table of Titanium3; We do not guarantee correct functioning and compatibility for any DAW, Operating System not specifically mentioned in the following table.

	Windows		OSX	
	Minimum	Recommended	Minimum	Recommended
Operating System	Windows 7 SP1	Windows 10	OSX 10.8	OSX 10.13
CPU	Quad Core	Latest Multicore CPU	Quad Core	Latest Multicore CPU
RAM	4 GB	16 GB to 128 GB	4 GB	16 GB to 128 GB
HDD / SSD	800 MB	800 MB	800 MB	800 MB
Screen Resolution	1024x768 (XGA)	1920x1080 (HDTV)	1024x768 (XGA)	1920x1080 (HDTV)
Audio Host	VST / AAX 64 bits	VST / AAX 64 bits	VST / AAX / AU 64 bits	VST / AAX / AU 64 bits

NOTE: How to get support before opening a help-desk ticket with our agent.

Before opening a new help-desk case, please consider first checking our knowledge base solutions in our website support area, since most of your questions may have already been answered and are available online to everyone here.

<http://www.acustica-audio.com/pages/theknowledgebase>

11. Sampling Process

The sampling process has been performed by Acustica. The units were sampled with mastering quality converters, using a method which takes considerably more time than the normal sampling standard.

This method is of benefit to the entire audio spectrum.

Two sample rates are provided with Titanium3; the native sample frequency was 96kHz. The 44.1kHz frequency was derived from the native one by a down-sampling and up-sampling process. This method avoids any negative sample rate conversion (SRC) artifacts when matching projects with different sample rates and also helps with project loading times.

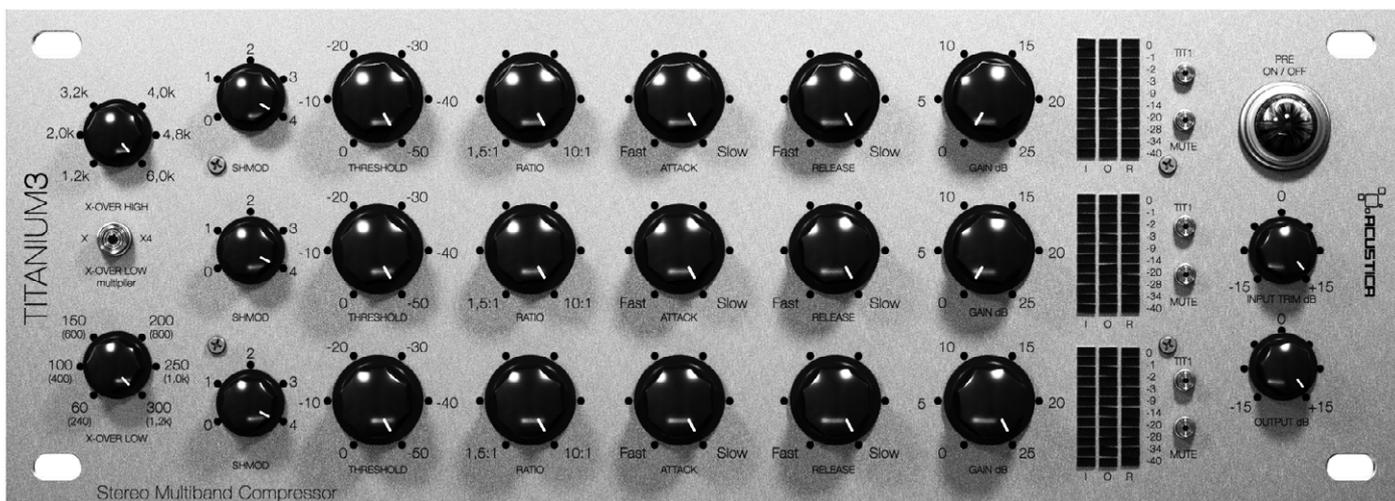
12. Operation

Below is an explanation of the Titanium3 suite, first we will get into the details of each standalone plugin to facilitate an understanding of each of the controls included in this new Acqua Effect Plugin suite.

Unless expressly indicated each control will also be available in the Titanium3 channel-strip version



Titanium3 COMP 1B standalone plugin



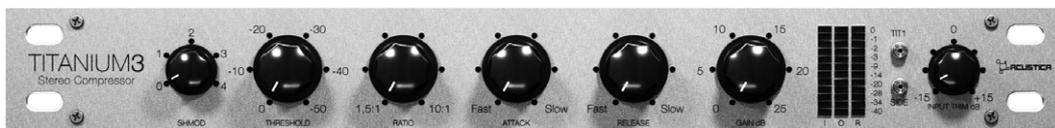
Titanium3 COMP 3B standalone plugin

12.1 Titanium3 1B/3BComp – In use

Titanium3 compressor is available as two different versions: Singleband and Multiband.

They offer an accurate reproduction of a classic opto-compressor unit built in Denmark. The original units were created taking on the classic optical compression method pioneered by a Californian Company in the early 1960's.

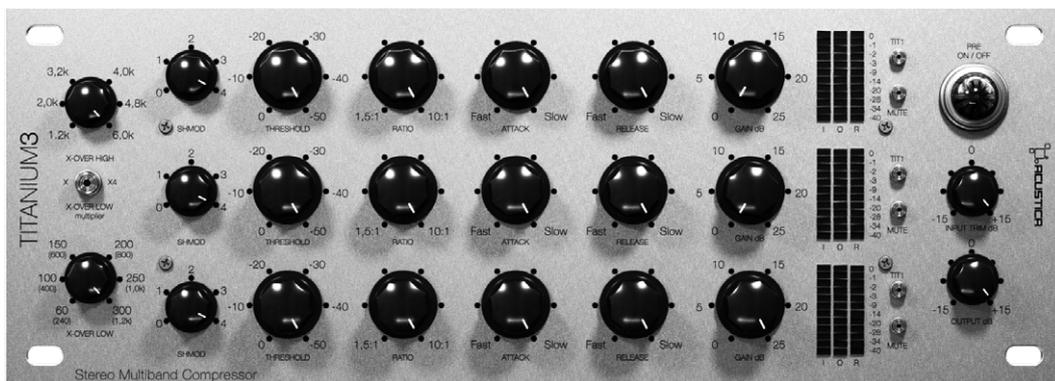
Titanium3's compressors preserve the behaviour and the tube sound of the original units bringing life and fullness back into your mix!



Titanium3 1B Comp

The singleband Compressor is an all-tube classic optical mono compressor, very intuitive, musical and it is able to preserve the clarity of the source even at extreme settings. These features make this compressor a really useful and valuable resource, enabling you to achieve your goal very quickly and easily.

Titanium 3 1B is not noted as a character piece; it does warmth and it does smooth, and it does both transparently, so it's one of the best go-to compressors to treat everything from vocals and bass, to guitars and keys.



Titanium3 3BComp

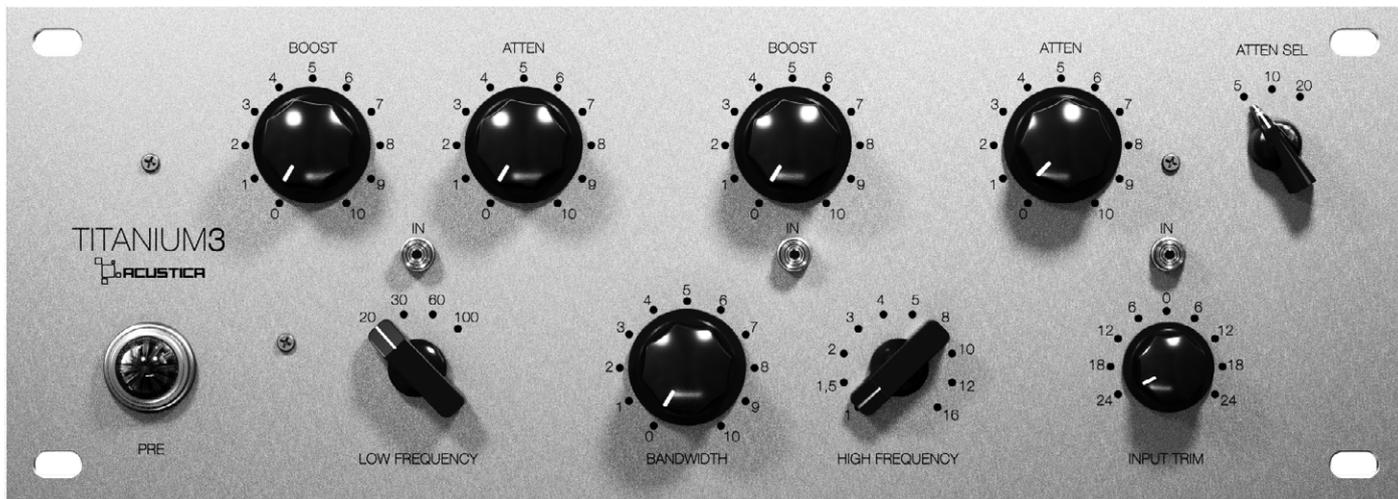
The multiband Compressor version (as the original hardware unit) features three independent optical stereo compressors. Combining the effect of a wide 3 band level control with individual compression of the three bands creates pure magic, especially on the main mix bus, but also on submixes like the drum buss, instrument groups and single tracks.

It is considered to be one of the most creative and musical audio tools available in the audio market and we are very proud to give you our CORE 13 upgraded version.

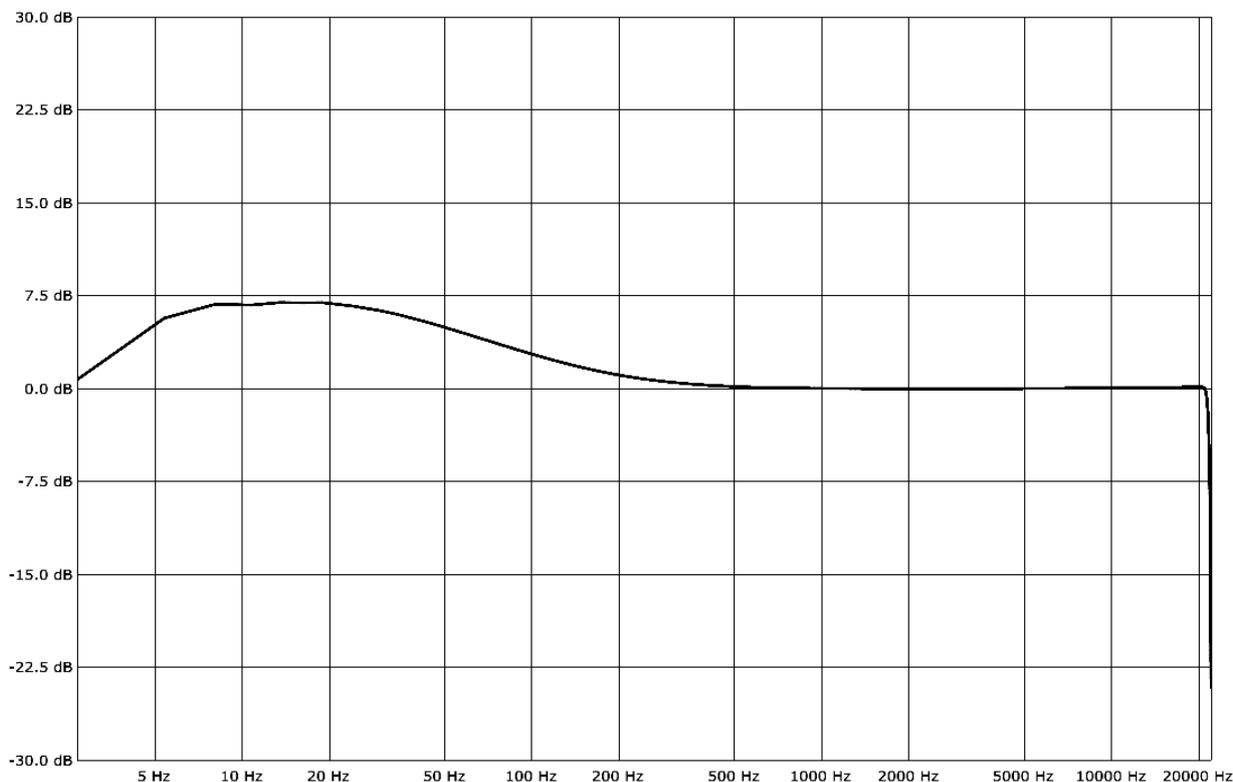
12.2 Titanium3 EQ – In use

The Titanium3 EQ is an iconic passive, all-tube EQ plug-in, based on a classic valve equalizer design and featuring a passive EQ section. The original brand closed their doors in the late 70s/early 80s, so with the historical American units out of production for years, many companies decided to build their own version. We chose one of the most successful clones, it is by far the easiest way to achieve this legendary, unique and coveted sound.

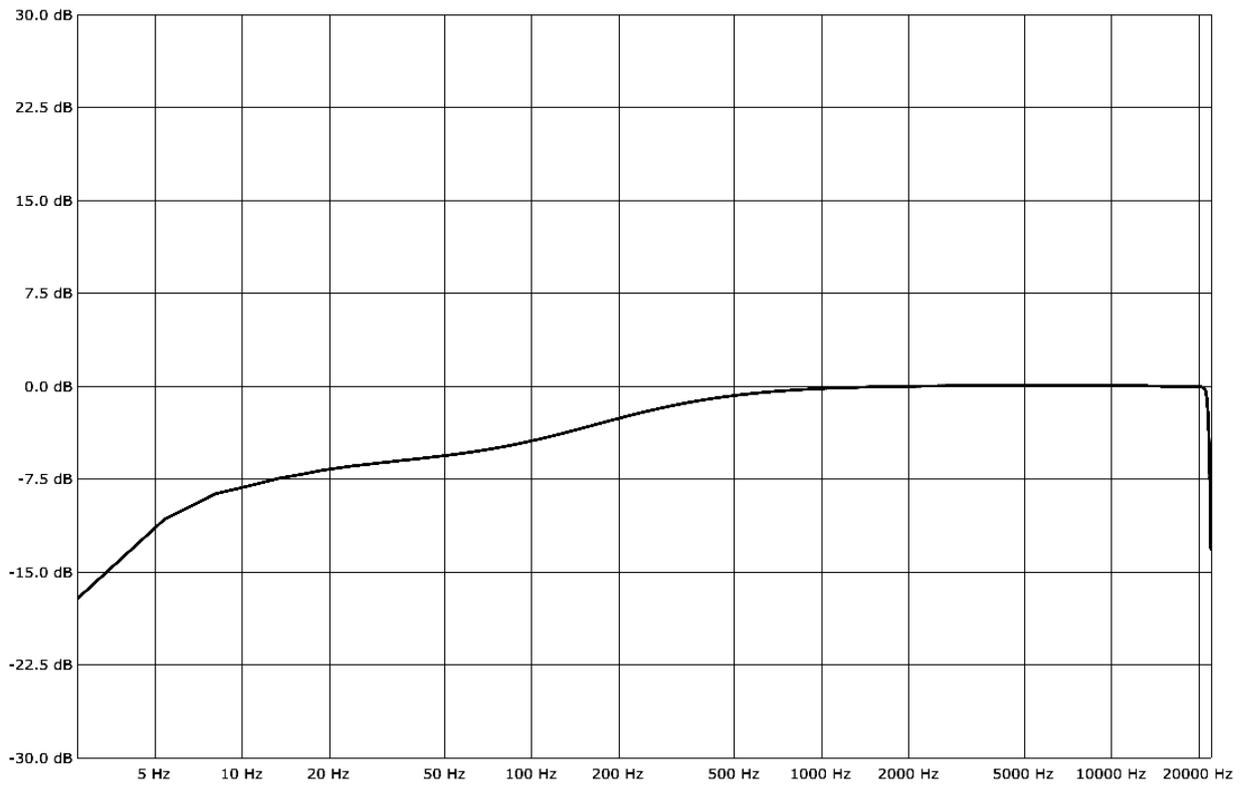
The main idea of this hardware emulation is to give all of our customers a powerful, modern EQ that does the same thing as the original 50s American units did when new. We say "did" because nowadays these vintage devices are often more "grainy" sounding due to old age and very old components.



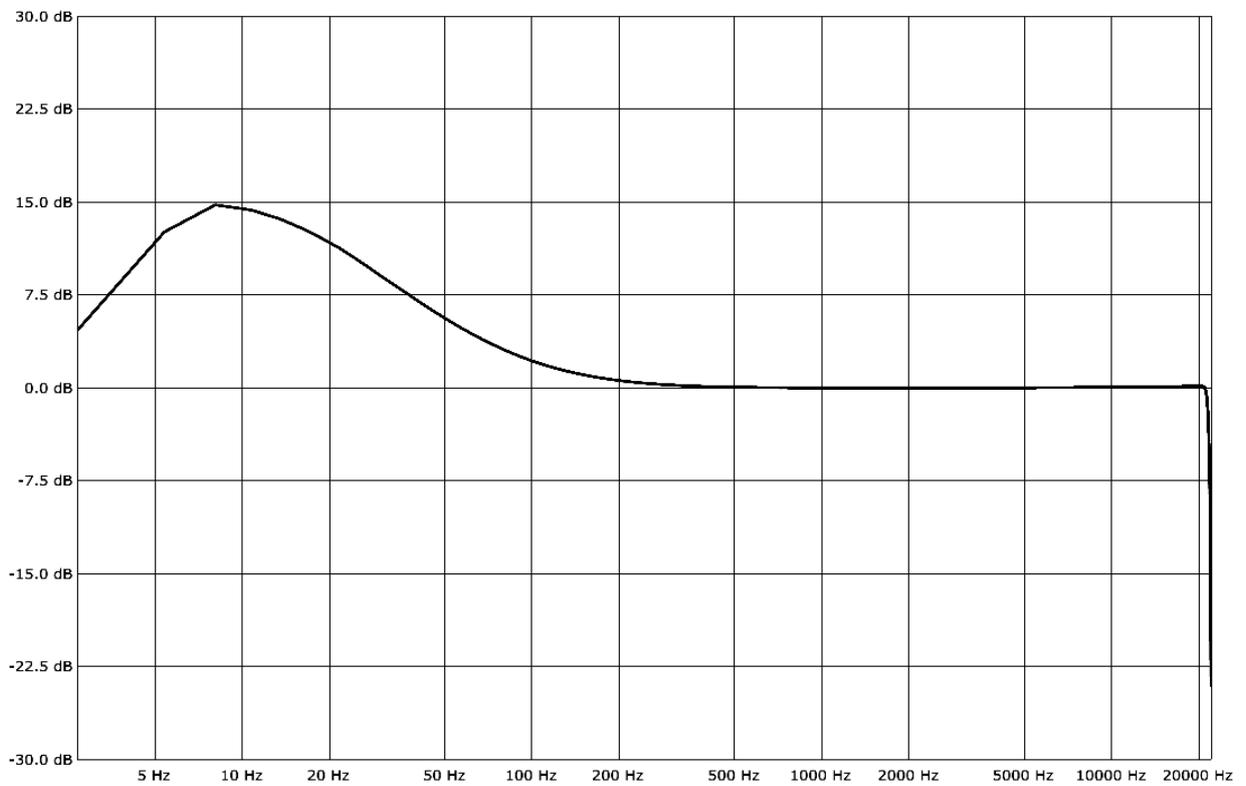
Titanium3 EQ standalone plugin



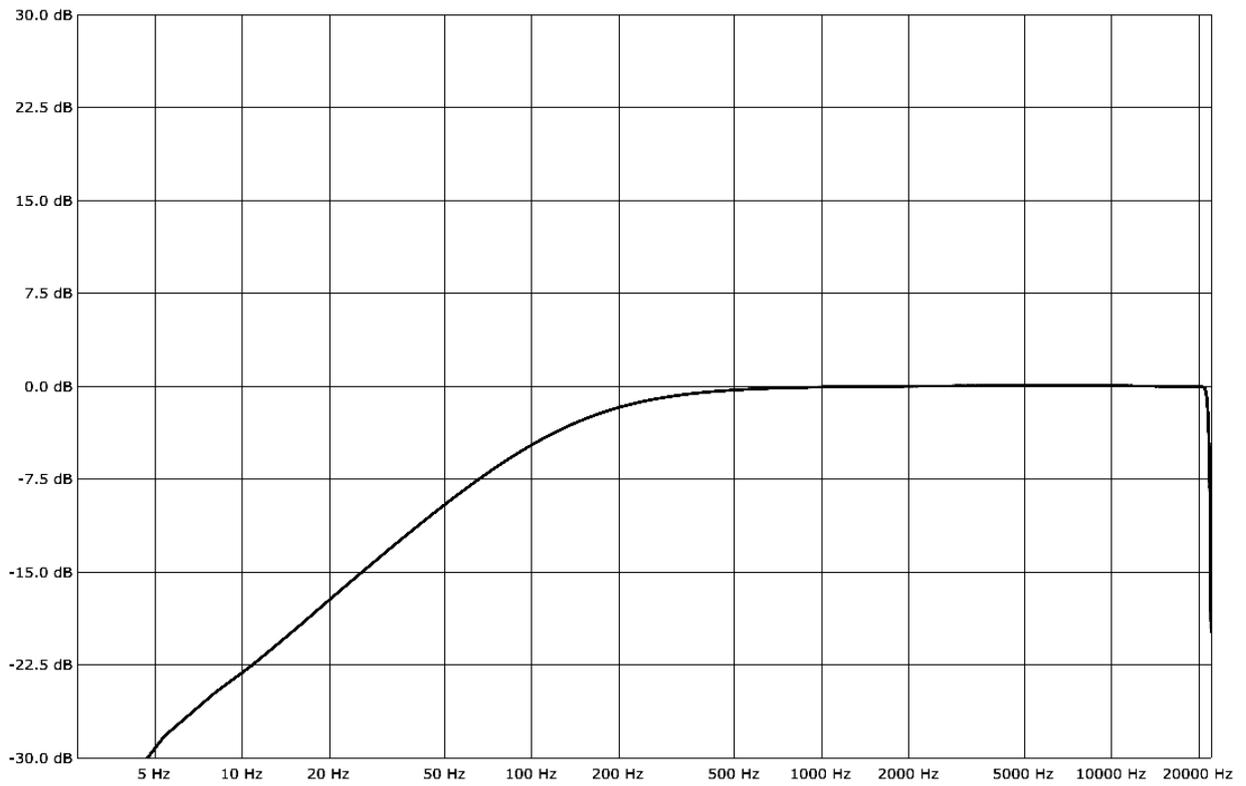
LF band - 20 Hz frequency - Boost:5



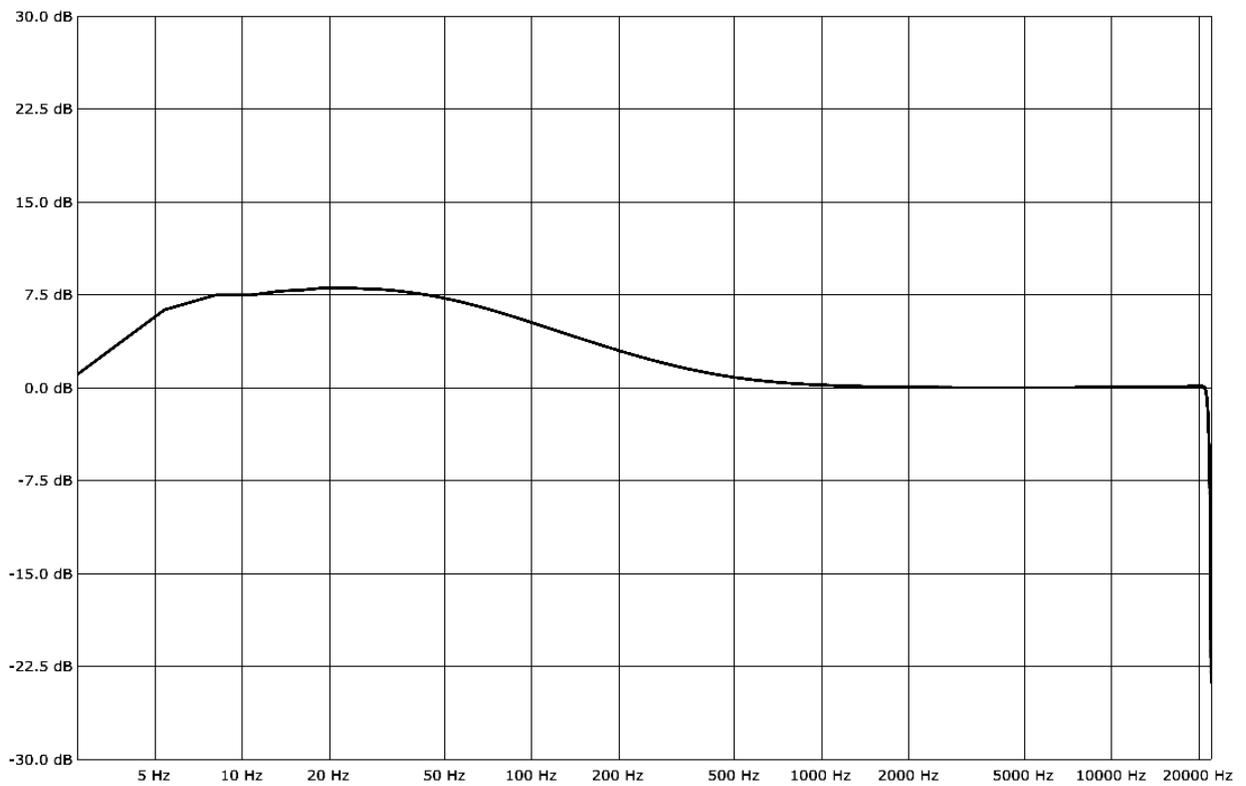
LF band - 20 Hz frequency - Atten:5



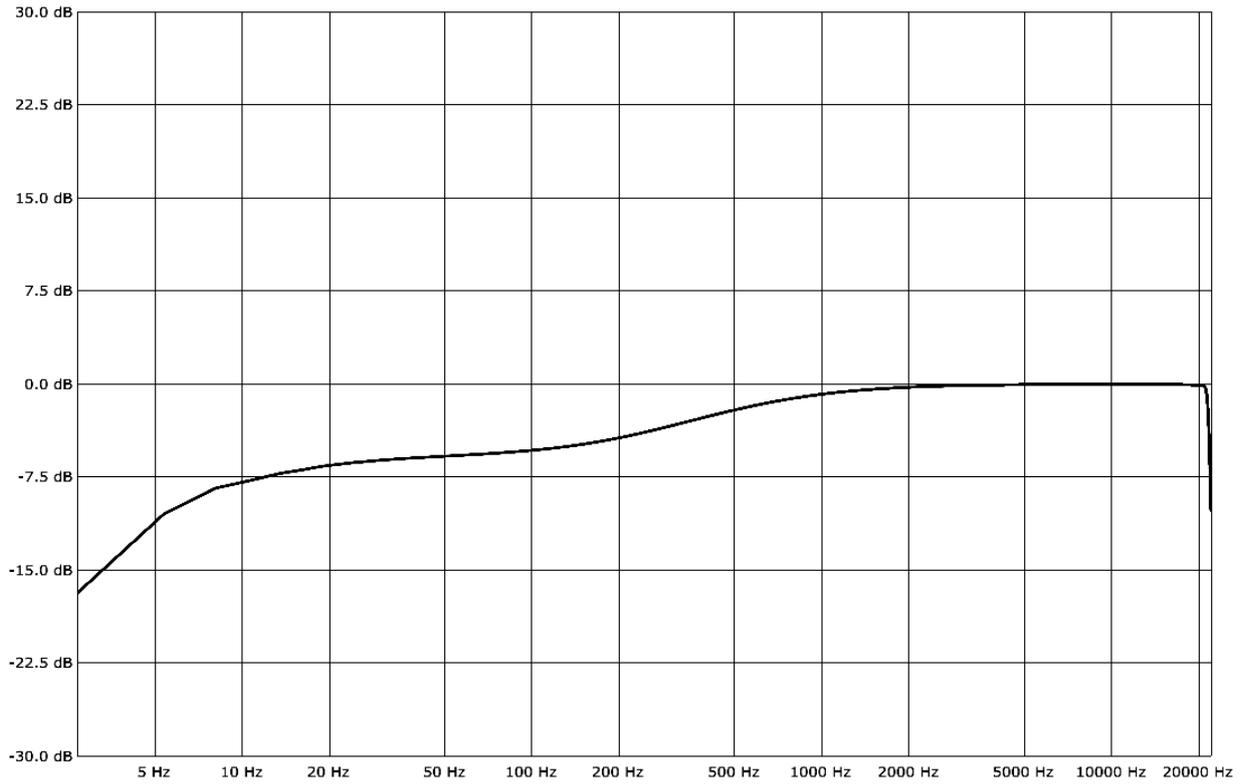
LF band - 20 Hz frequency - Boost:10



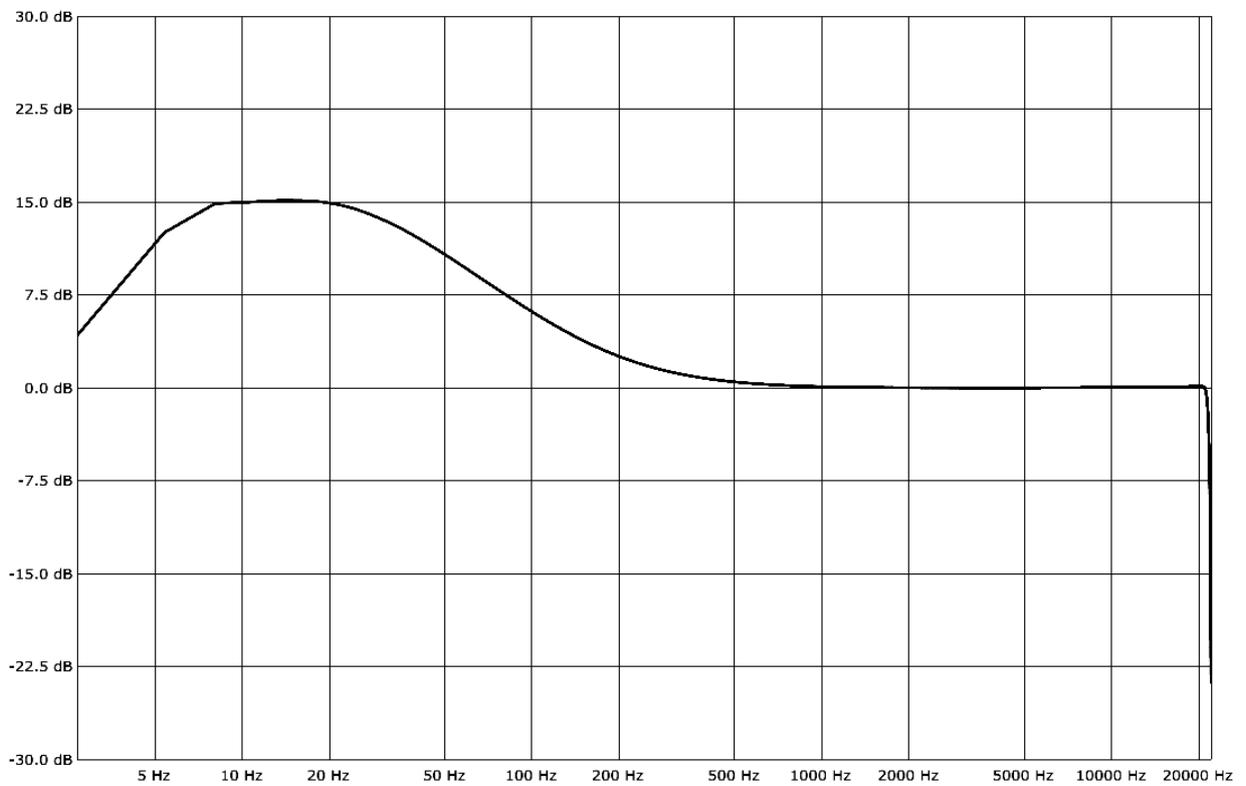
LF band - 20 Hz frequency - Atten:10



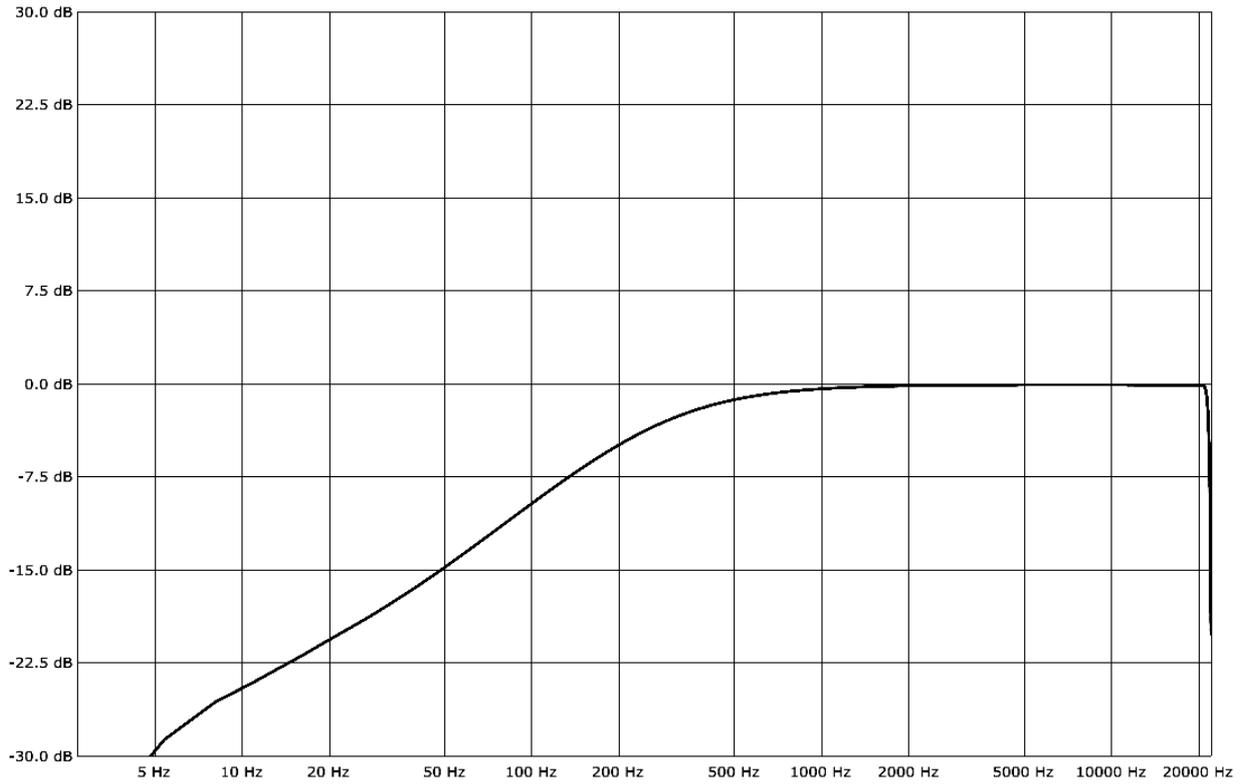
LF band - 30 Hz frequency - Boost:5



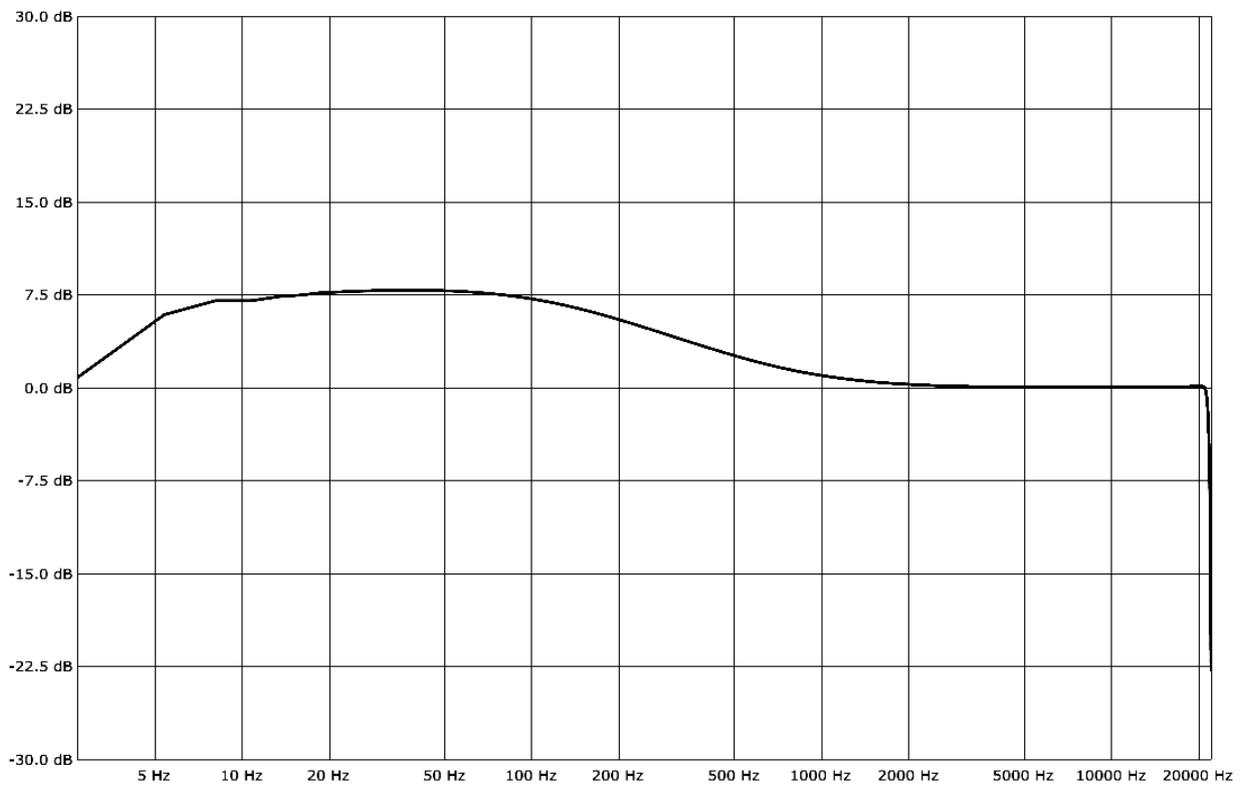
LF band - 30 Hz frequency - Atten:5



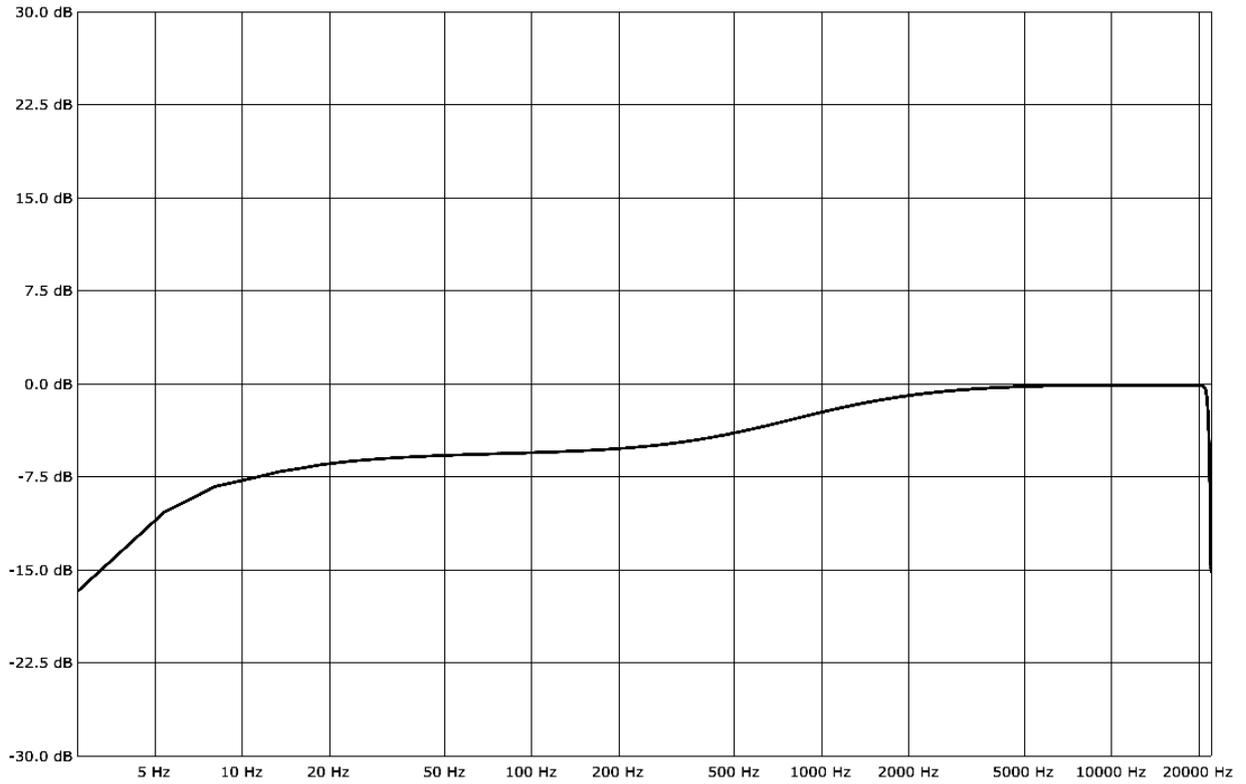
LF band - 30 Hz frequency - Boost:10



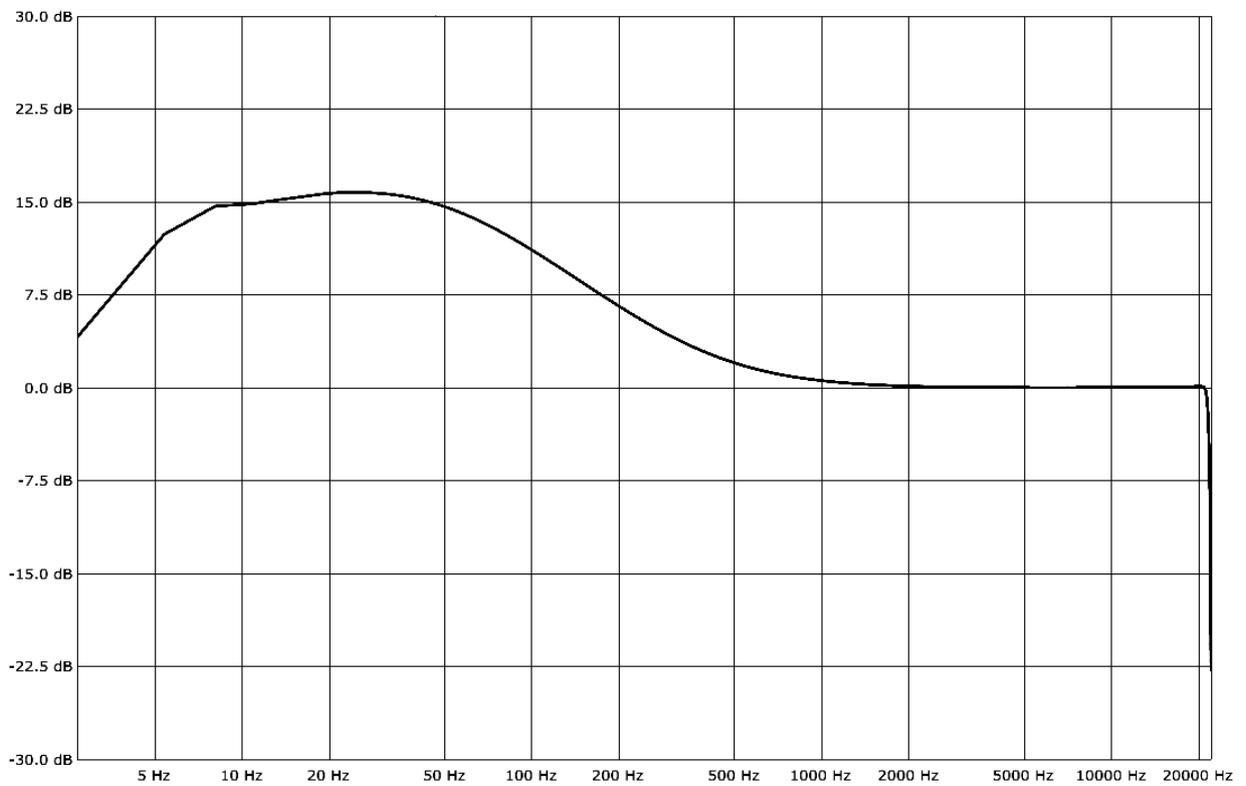
LF band - 30 Hz frequency - Atten:10



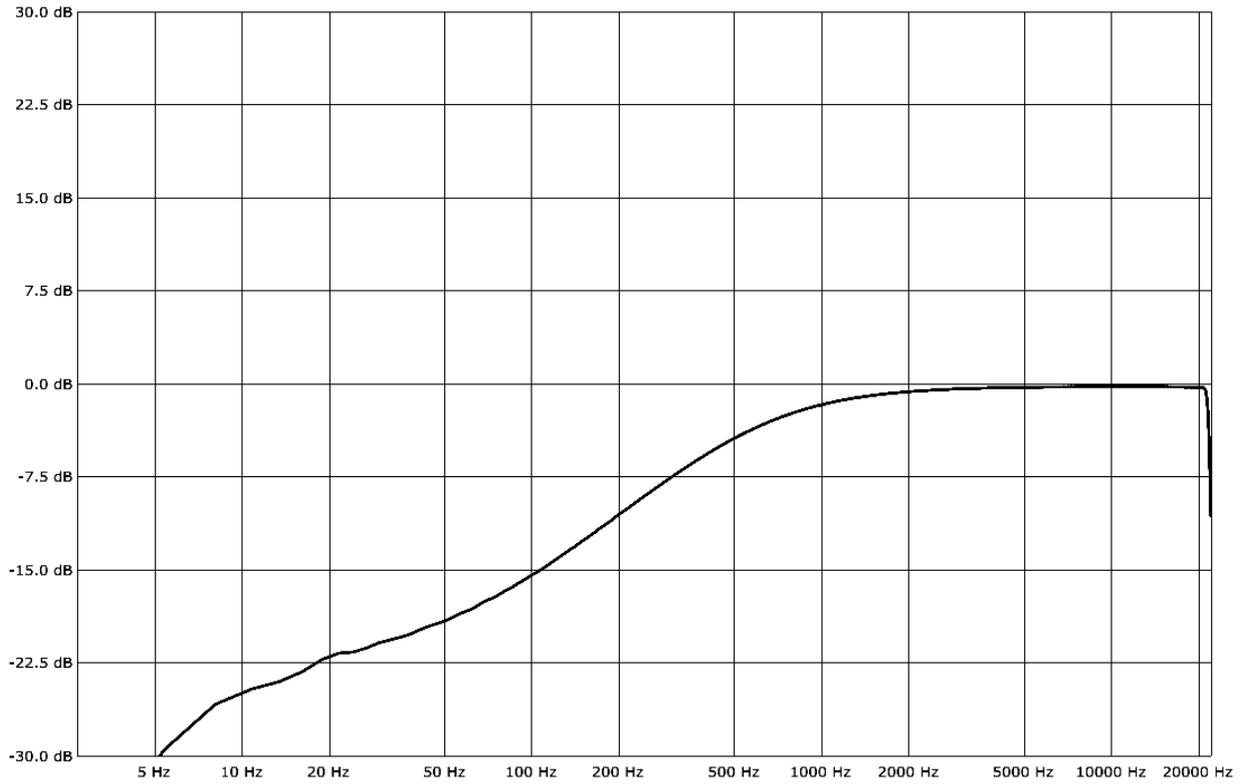
LF band - 60 Hz frequency - Boost:5



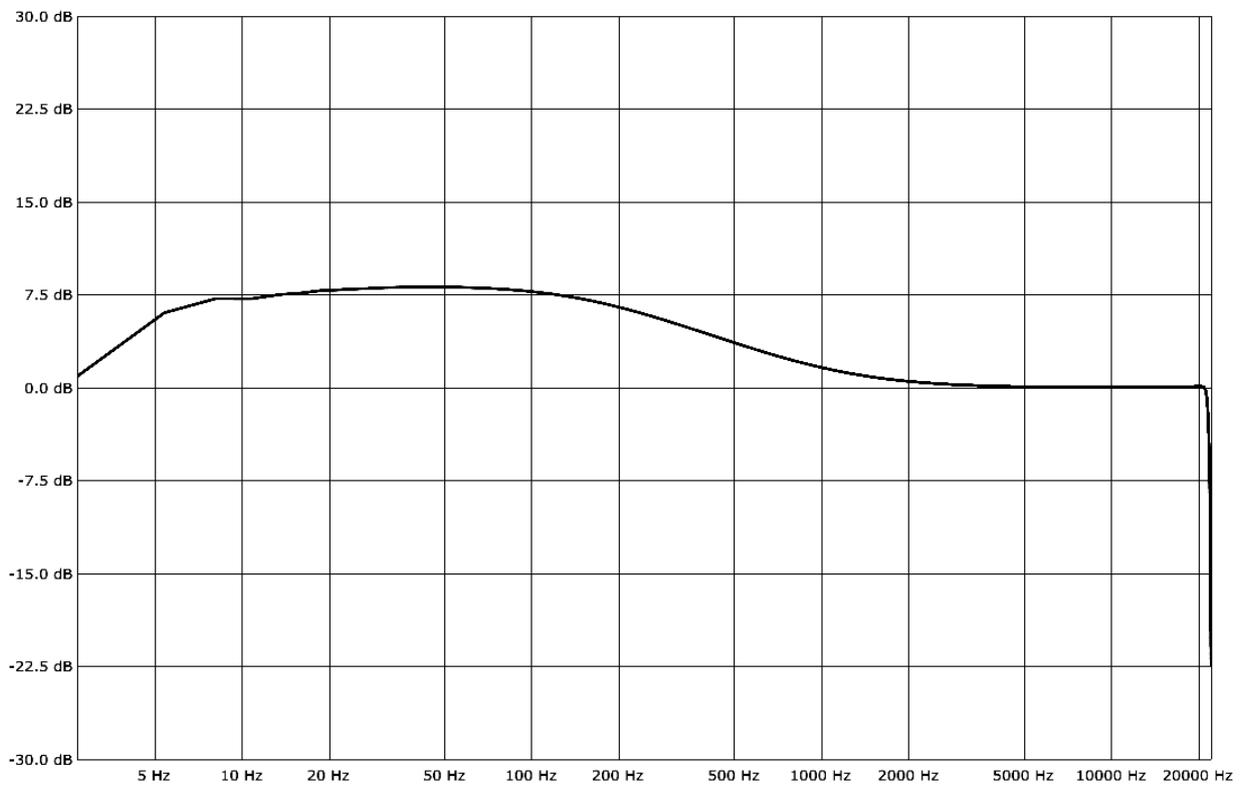
LF band - 60 Hz frequency - Atten:5



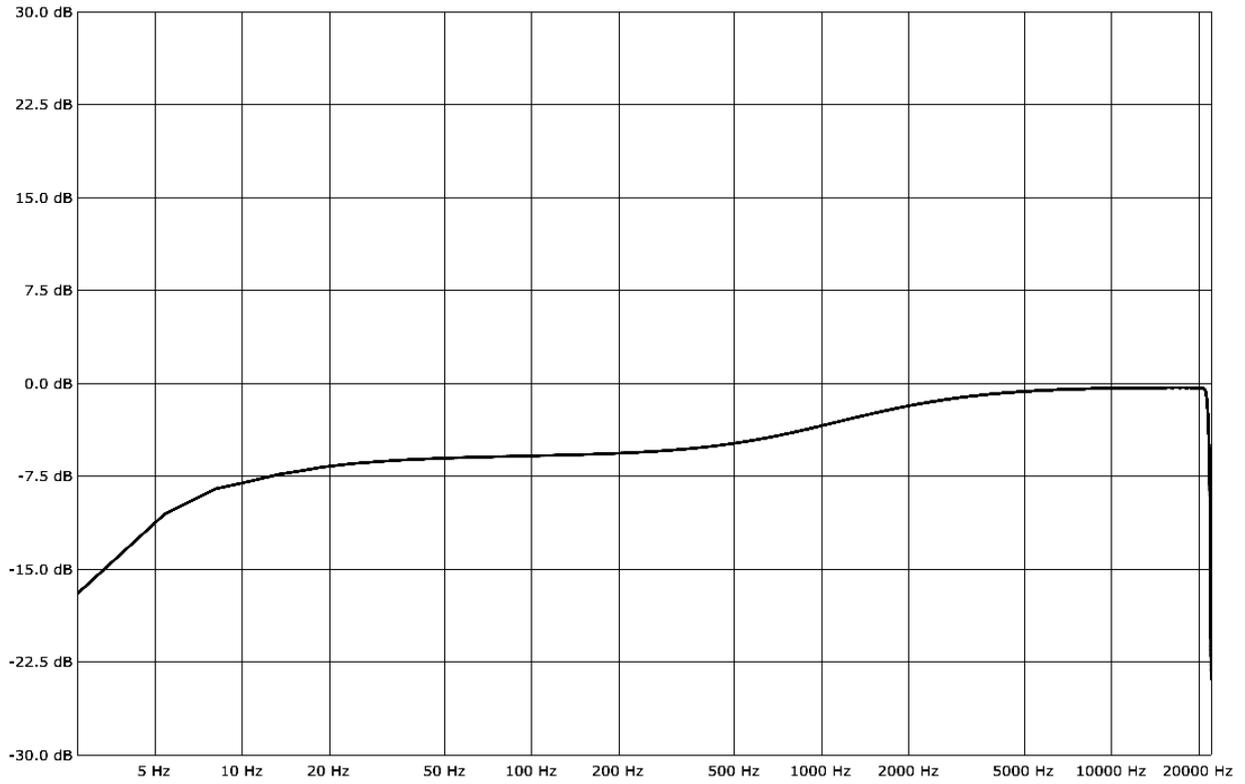
LF band - 60 Hz frequency - Boost:10



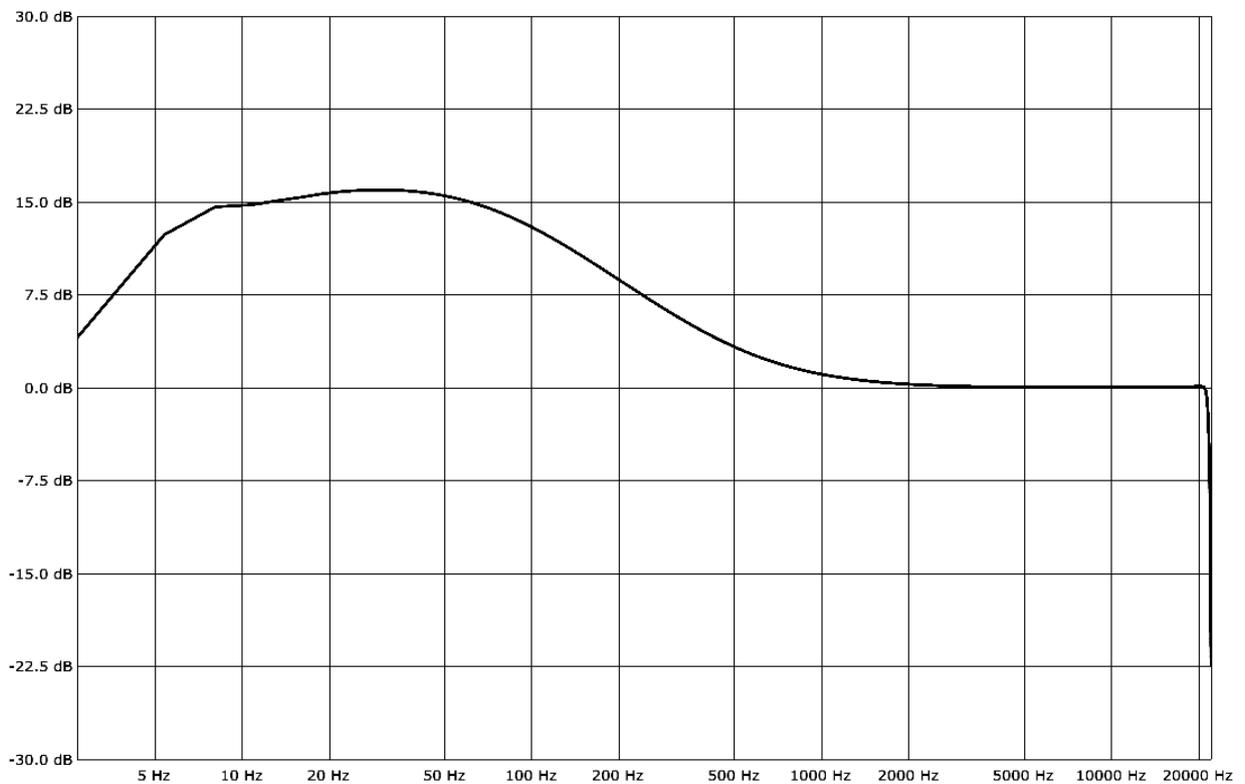
LF band - 60 Hz frequency - Atten:10



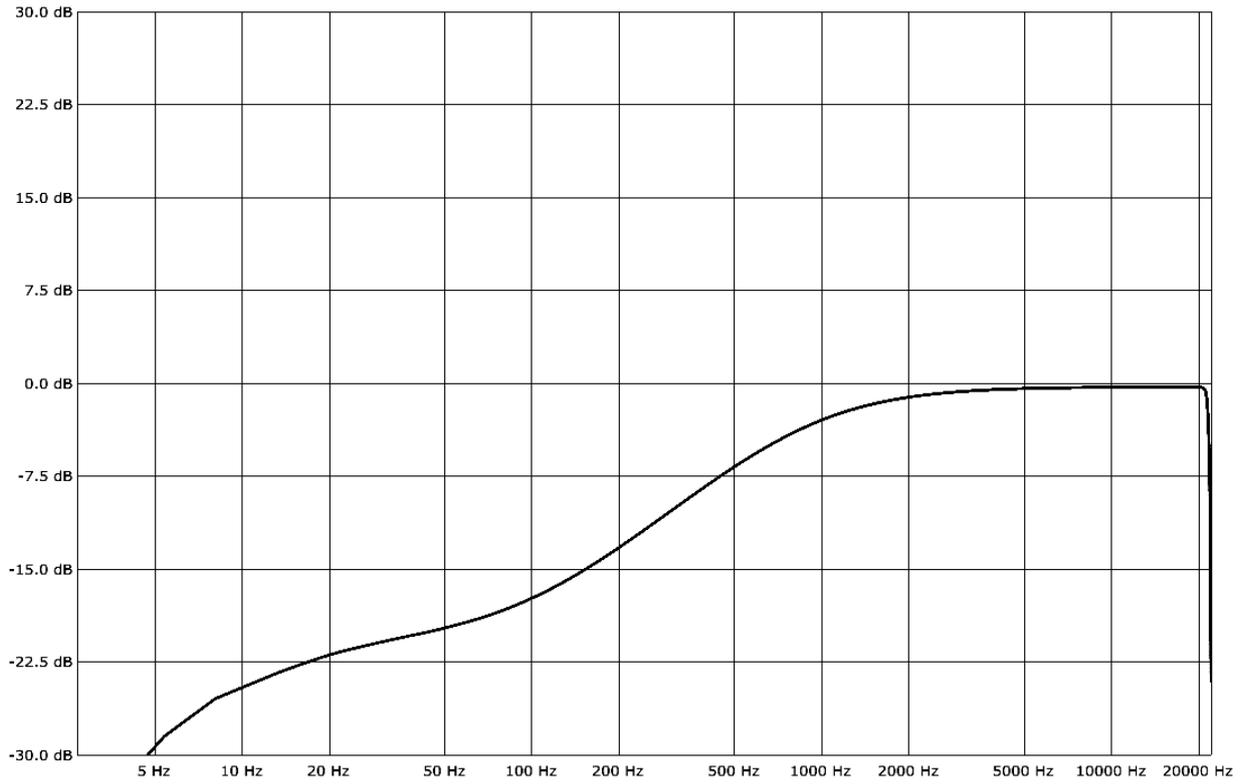
LF band - 100 Hz frequency - Boost:5



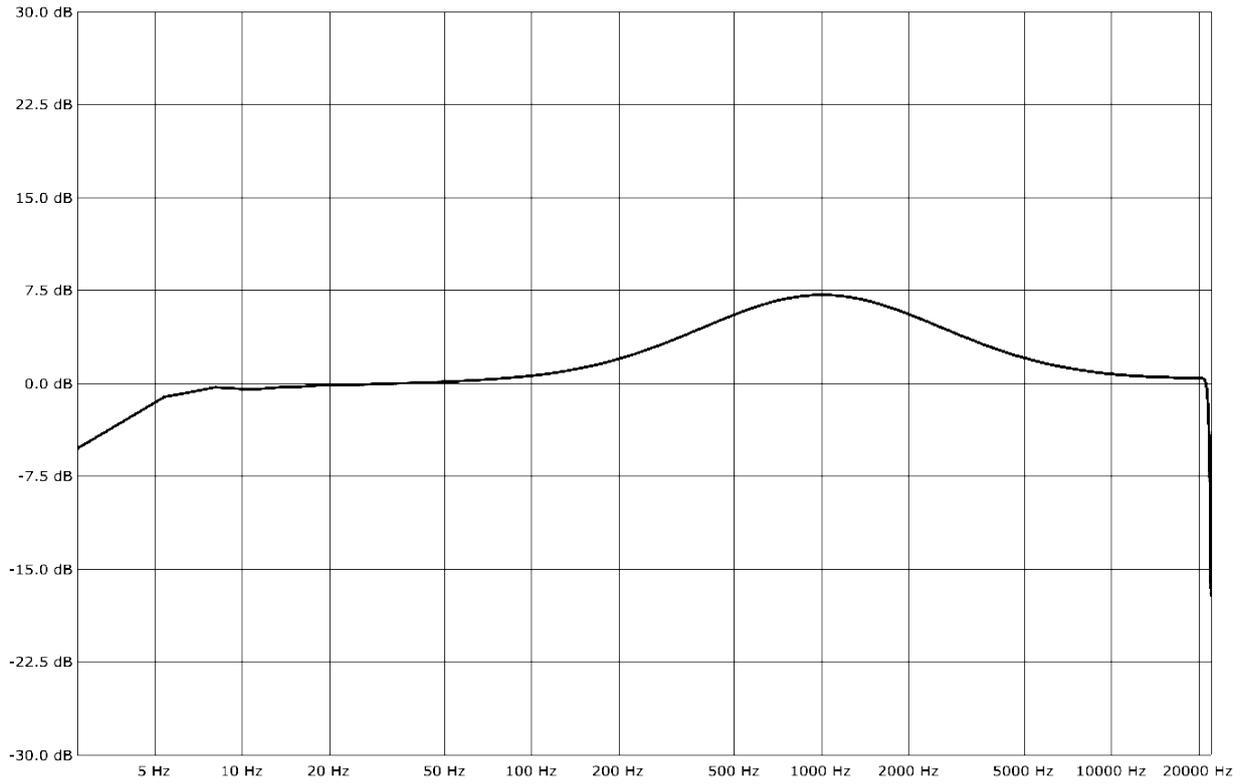
LF band - 100 Hz frequency - Atten:5



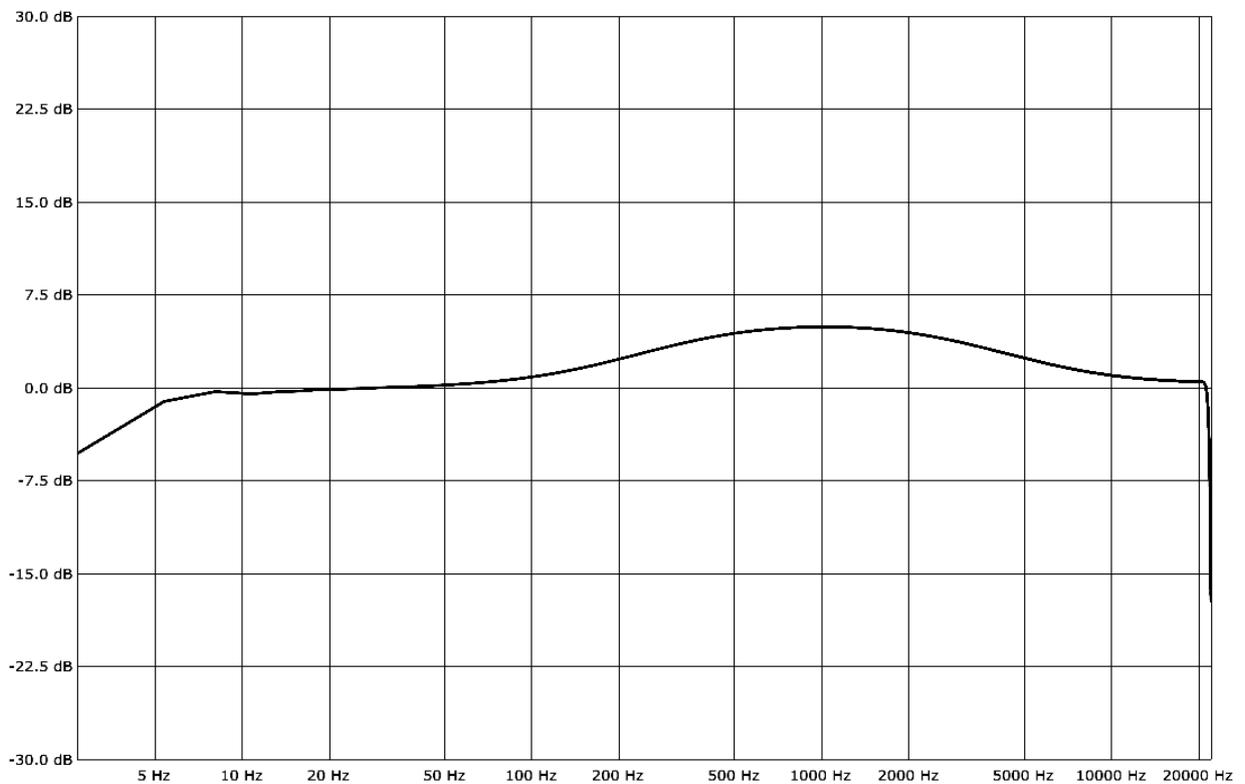
LF band - 100 Hz frequency - Boost:10



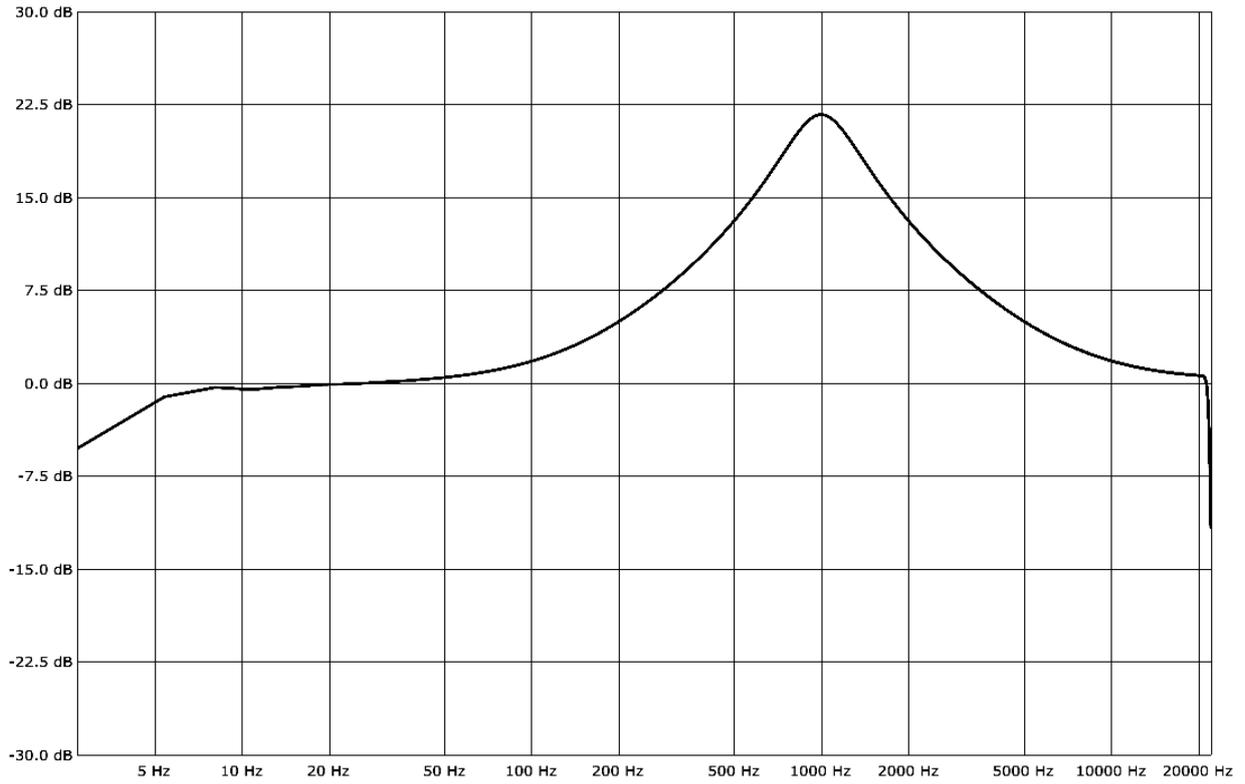
LF band - 100 Hz frequency - Atten:10



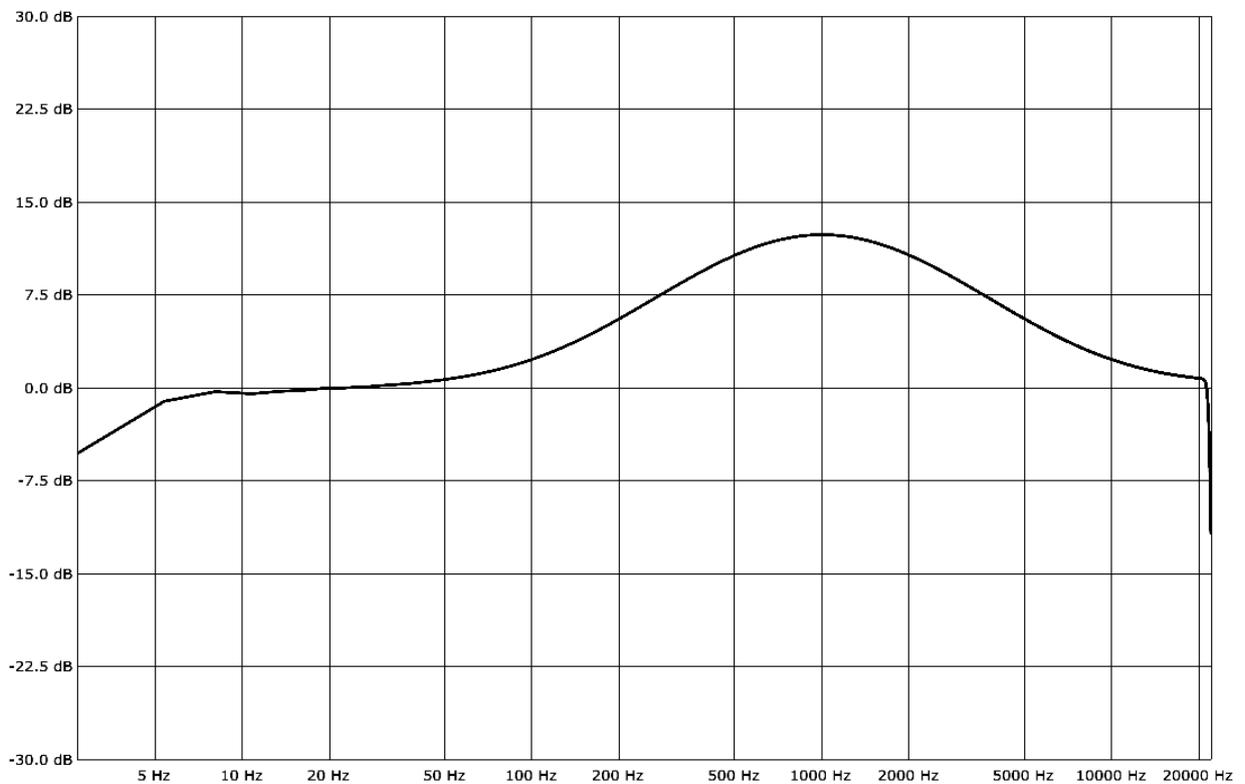
H band - 1 Hz frequency - Boost: 5 - bandwidth: 0



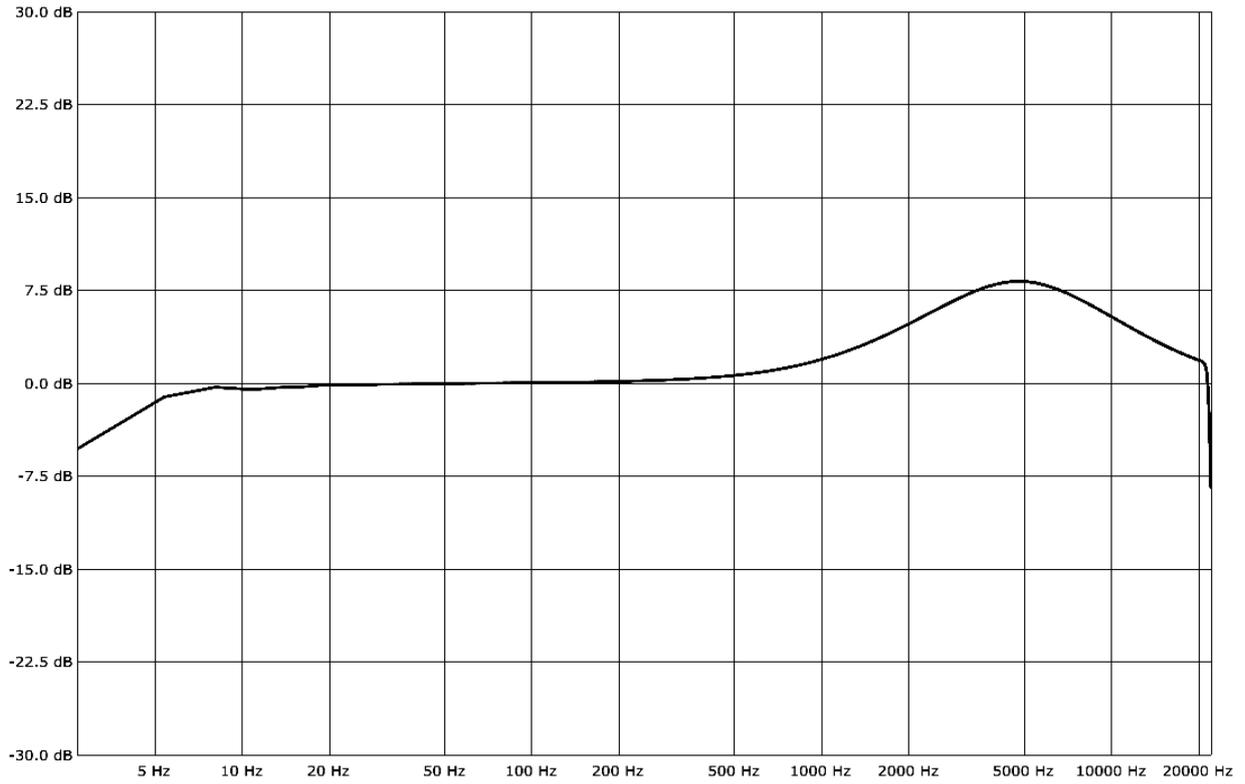
H band - 1 Hz frequency - Boost: 5 - bandwidth: 10



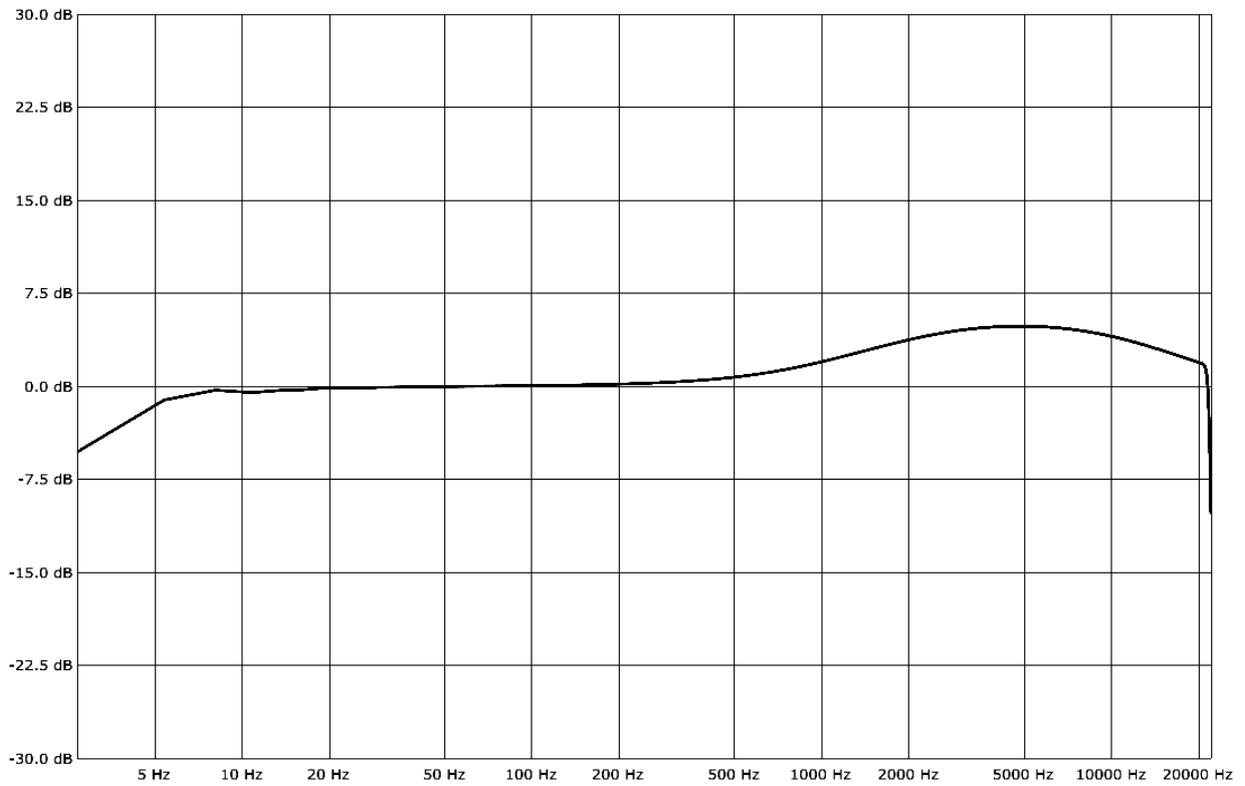
H band - 1 Hz frequency - Boost: 10 - bandwidth: 0



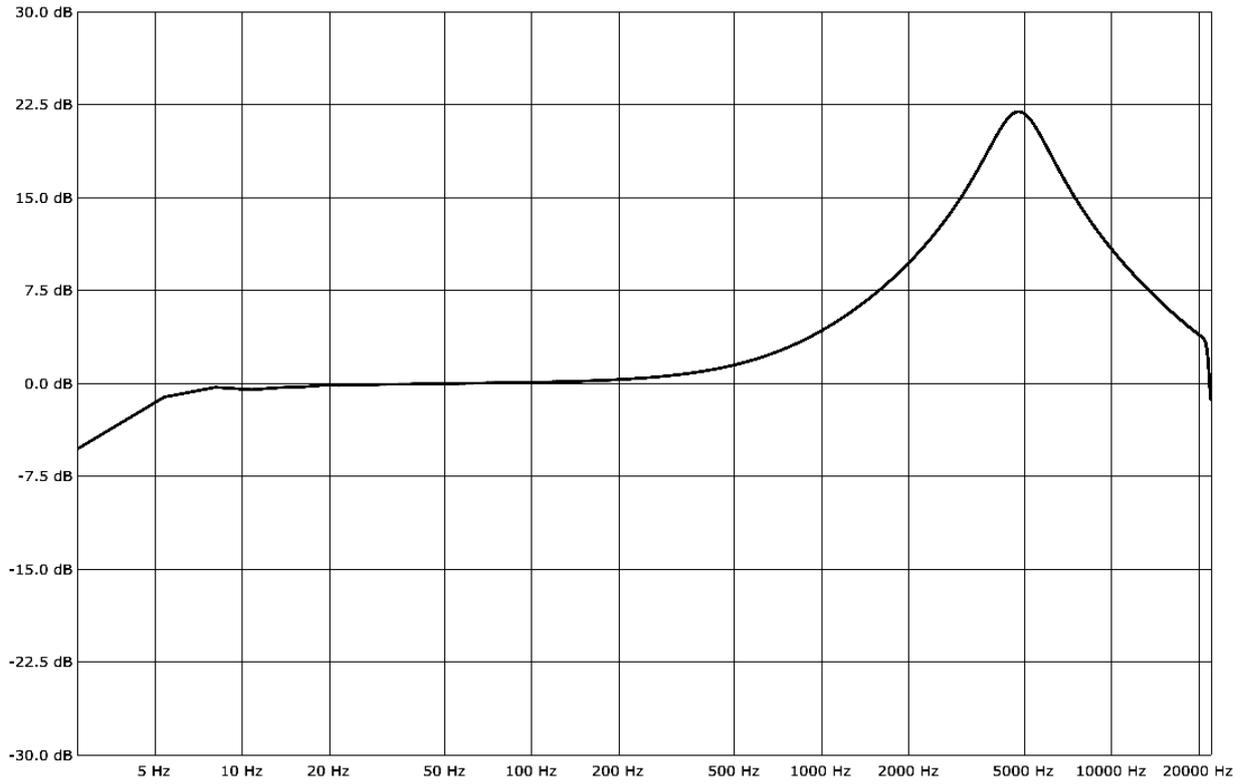
H band - 1 Hz frequency - Boost: 10 - bandwidth: 10



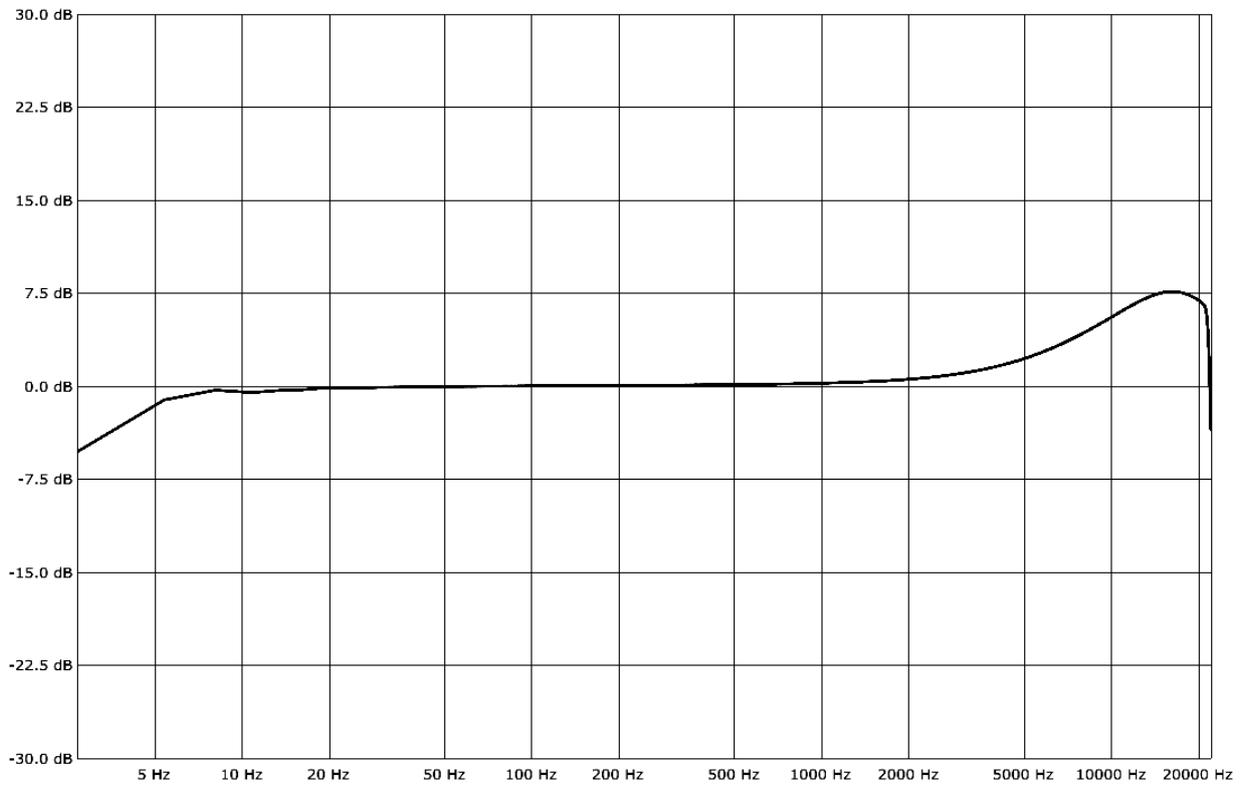
H band - 5 Hz frequency - Boost: 5 - bandwidth: 0



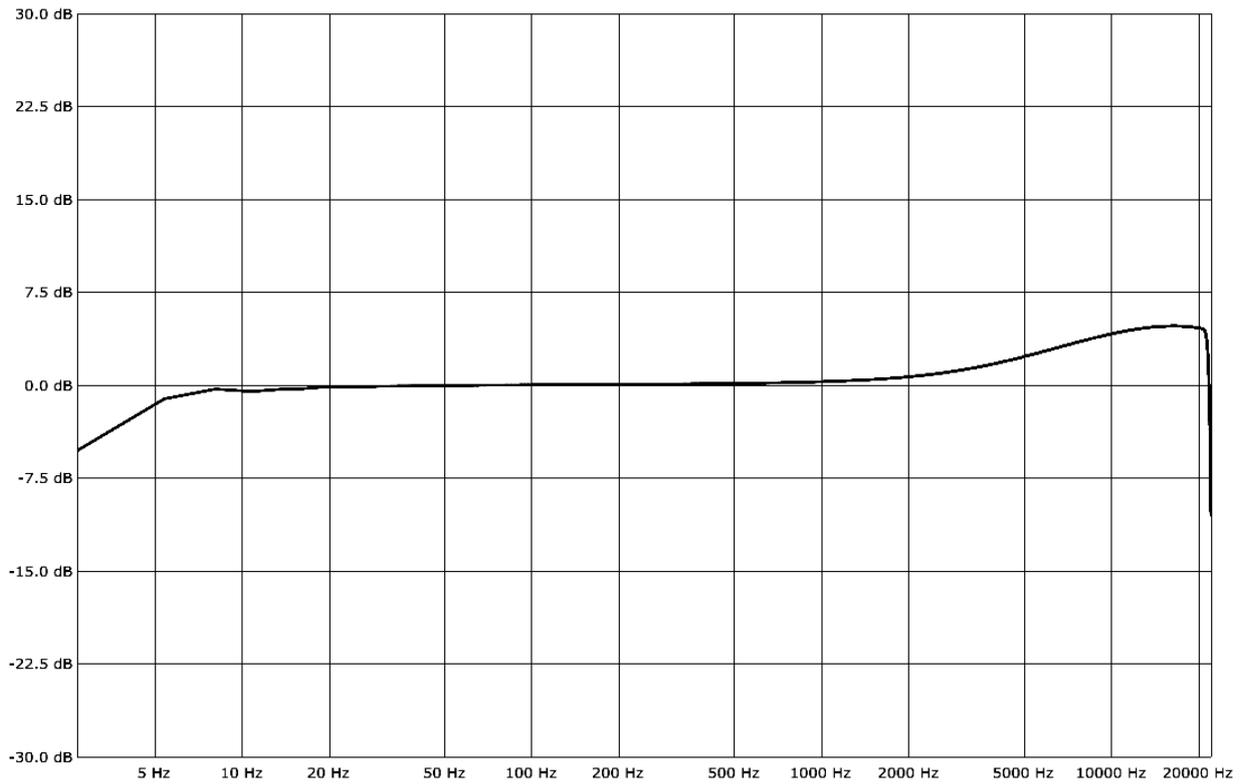
H band - 5 Hz frequency - Boost: 5 - bandwidth: 10



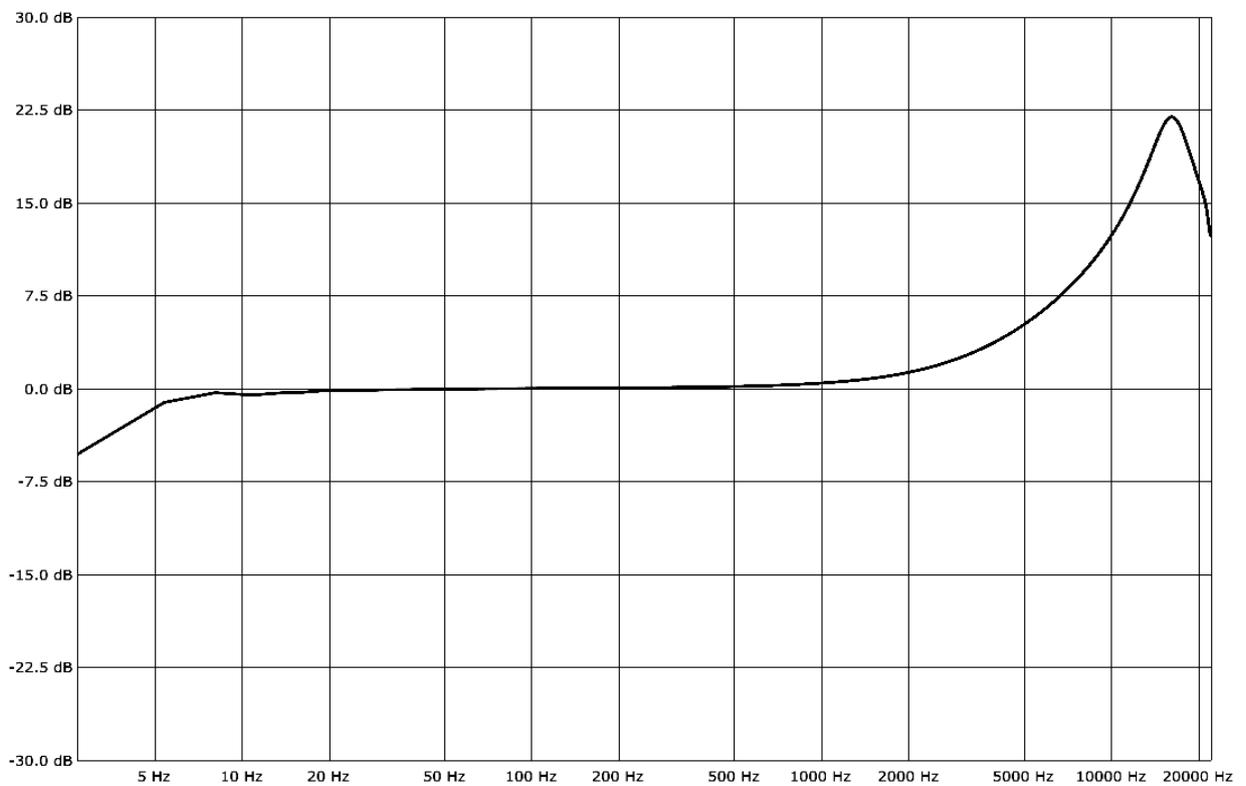
H band - 5 Hz frequency - Boost: 10 - bandwidth: 0



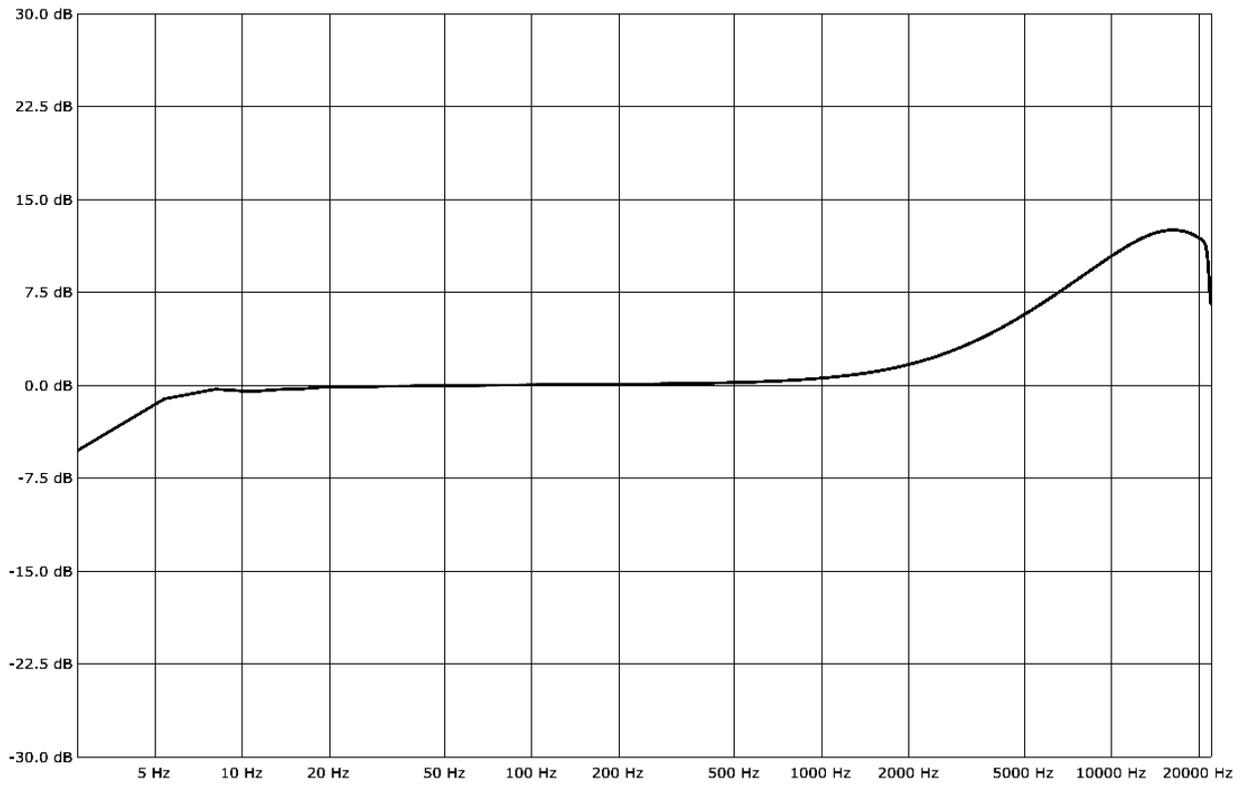
H band - 16 Hz frequency - Boost: 5 - bandwidth: 0



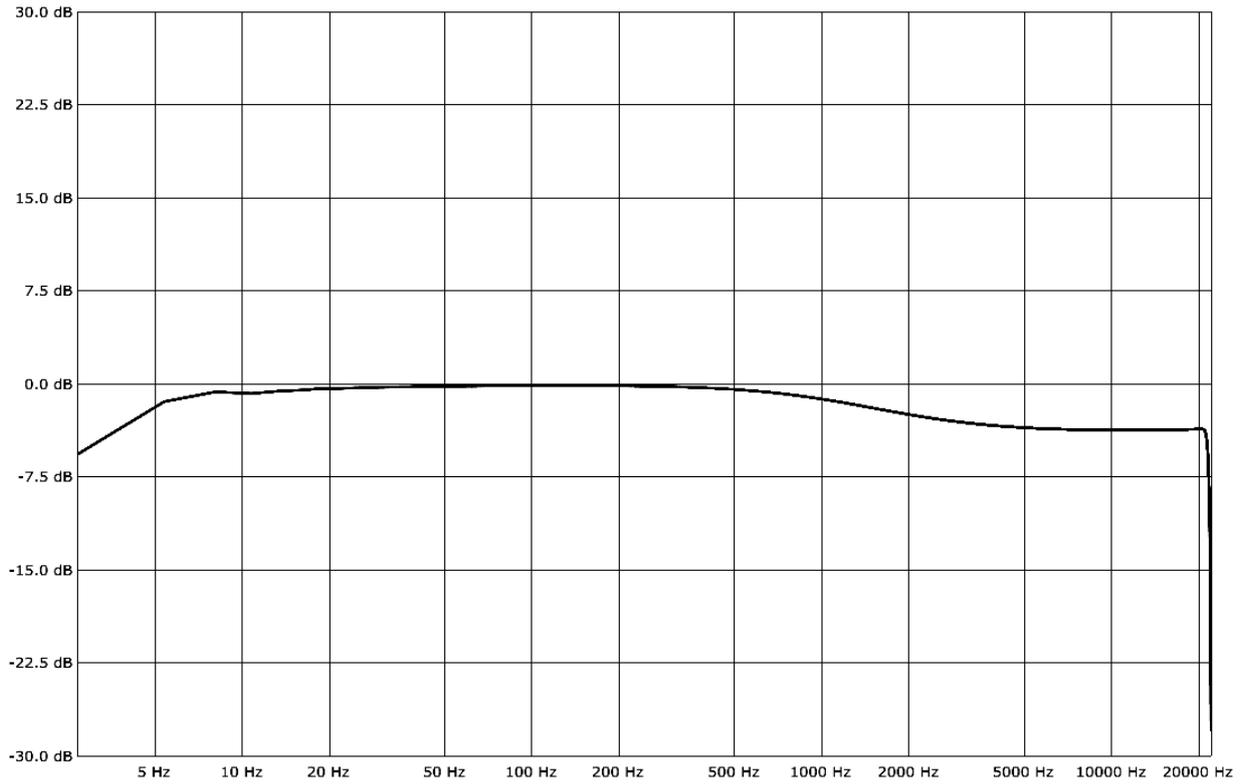
H band - 16 Hz frequency - Boost: 5 - bandwidth: 10



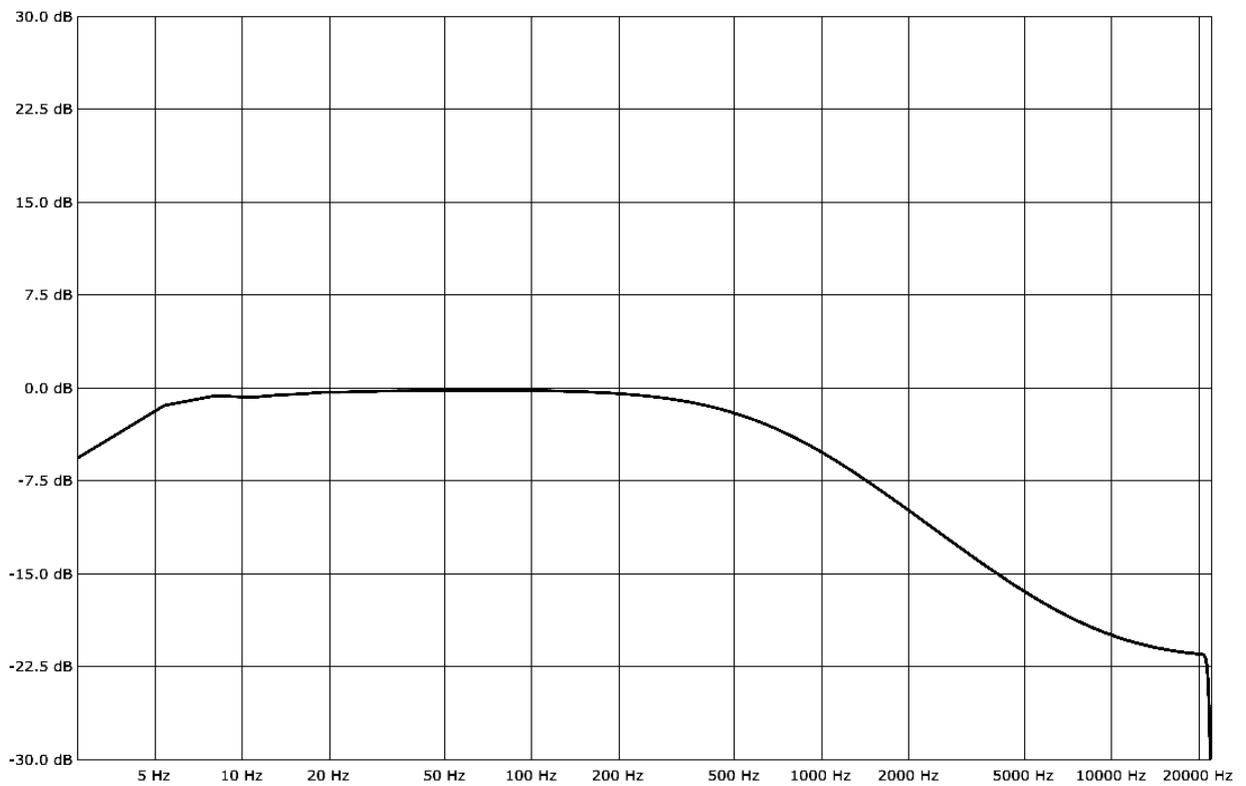
H band - 16 Hz frequency - Boost: 10 - bandwidth: 0



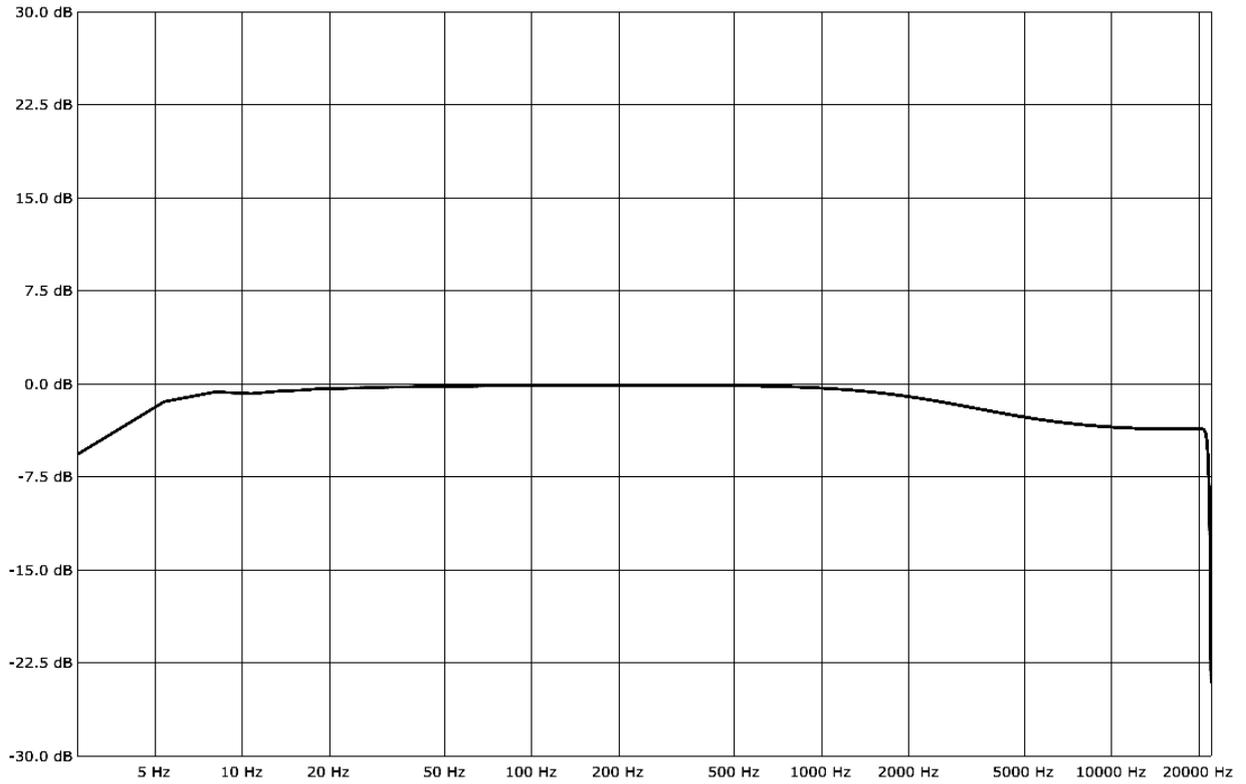
H band - 16 Hz frequency - Boost: 10 - bandwidth: 10



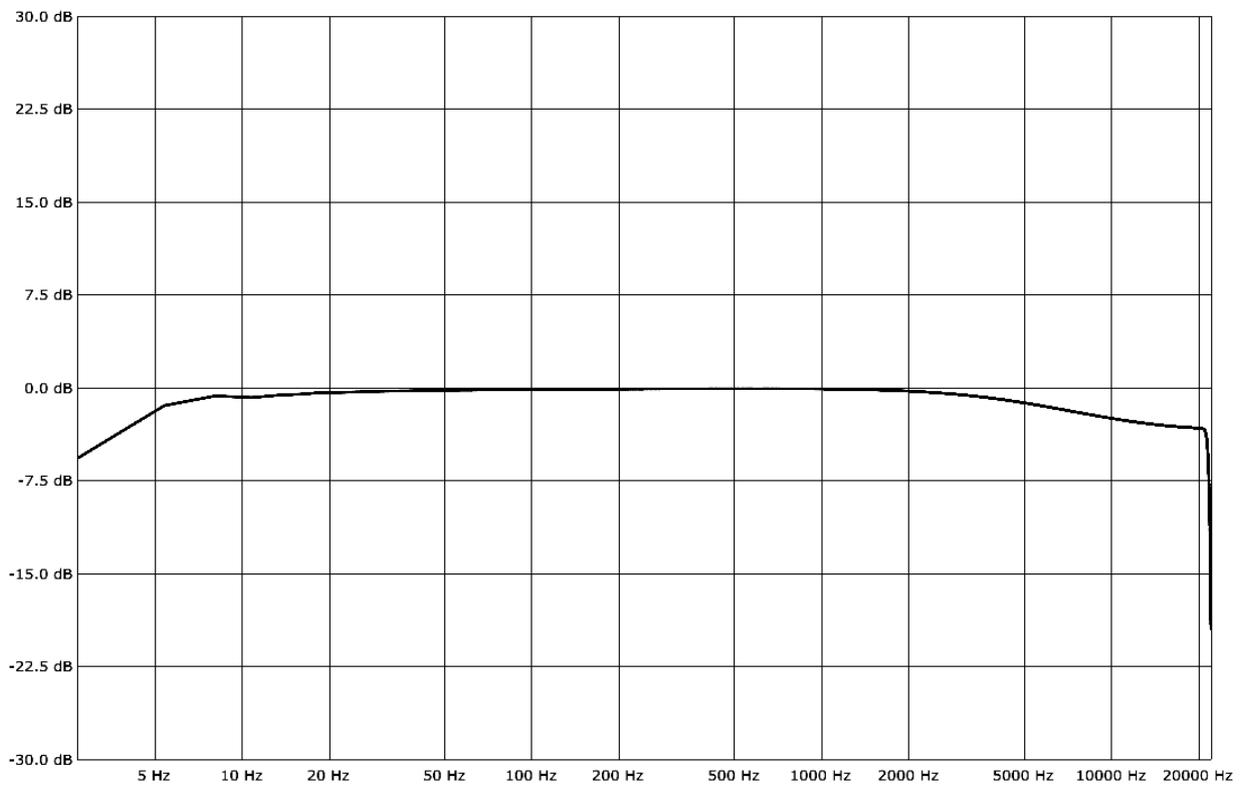
HA band - 5 Hz freq. - Atten: 5



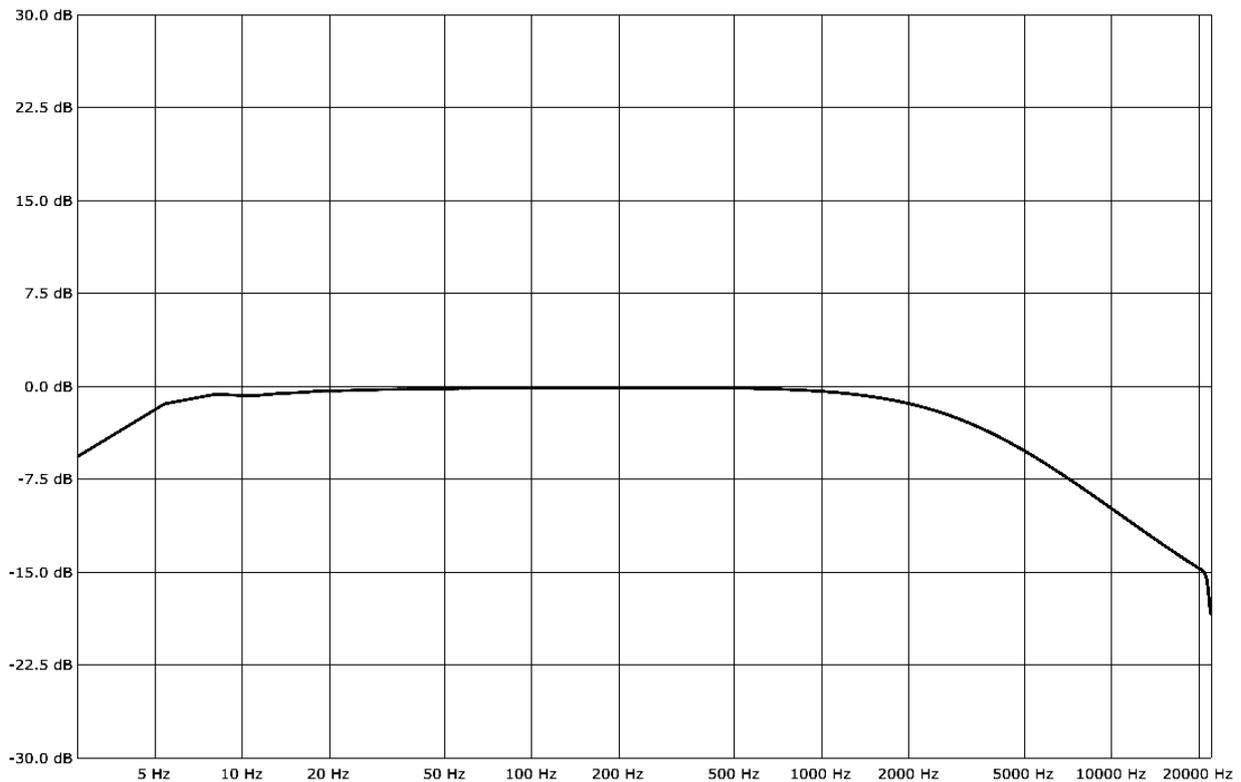
HA band - 5 Hz freq. - Atten: 10



HA band - 10 Hz freq. - Atten: 5



HA band - 20 Hz freq. - Atten: 10



HA band - 20 Hz freq. - Atten: 10

12.3 Titanium3 Pre – In use

The Titanium3 PRE (and channel-strip version as well) features a couple of PRE-AMPLIFIERS capable of providing great sonic quality, to bring warmth to your sounds, just like the corresponding real circuits.

Thanks to important developments in our latest CORE 13 tech, we have been able to emulate even more precisely the phase, harmonic distortion and frequency response of the original units.

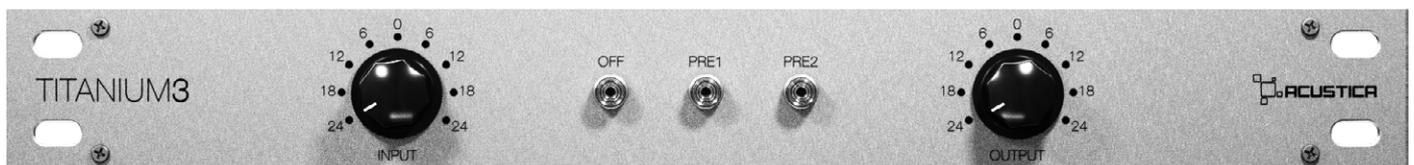
Preamps included in TITANIUM3 PRE standalone (and relevant channel-strip plug-in):

1) A Modern American (Mono) – Line Preamp derived from the Compressor unit:

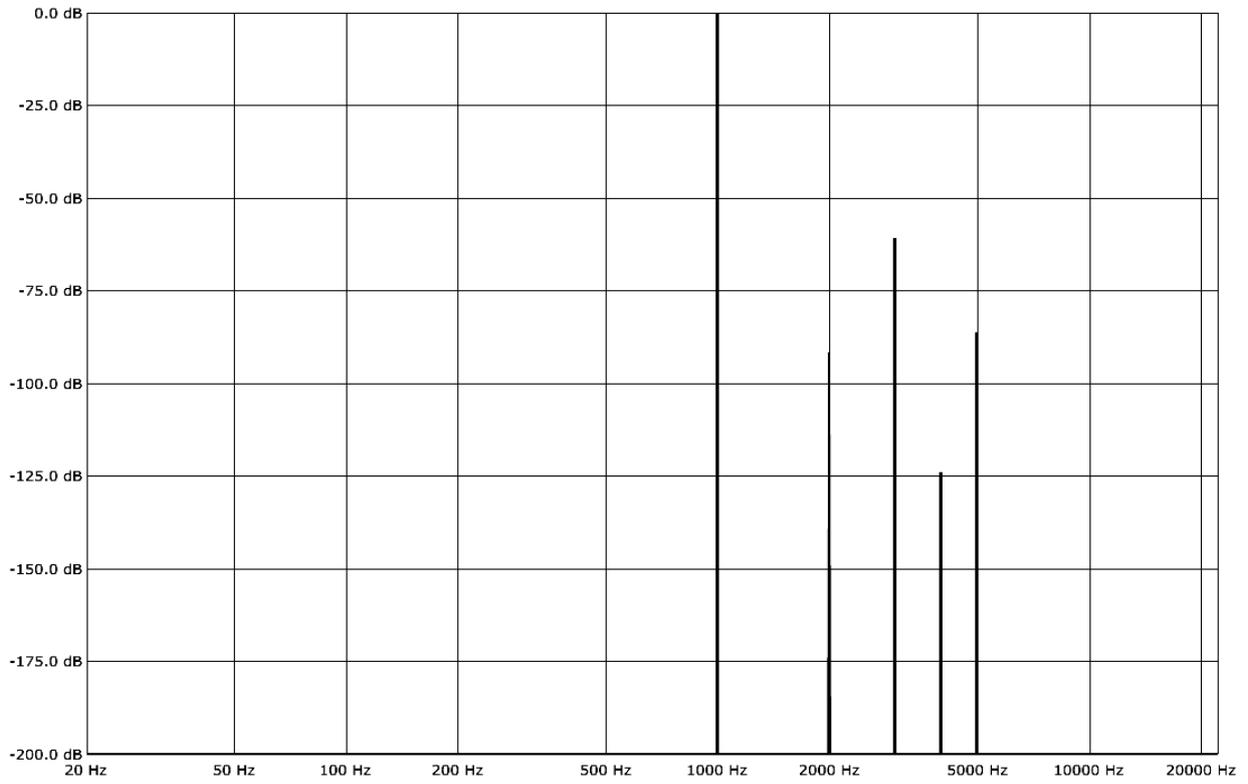
PRE1: MONO Pre - LINE IN-OUT

2) A Modern American (Mono) – Line Preamp derived from the EQ unit

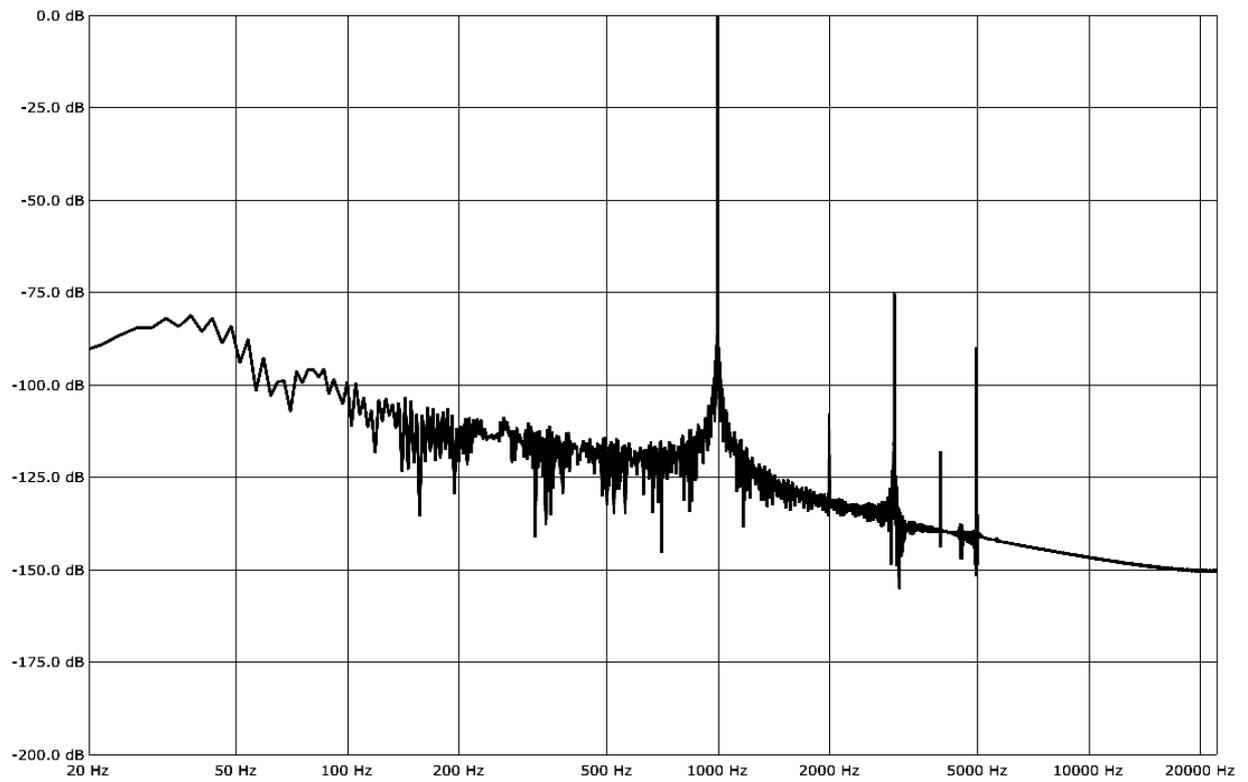
PRE2: MONO Pre - LINE IN-OUT



Titanium3 preamps standalone plugin



Preamp 1 - harmonic distortion



Preamp 2 - harmonic distortion

13. Controls

Below we will describe in detail the Titanium3 standalone plugins controls.

(NOTE: Titanium3 Channel strip is equipped by Titanium3 Pre, Titanium3 EQ, Titanium3 1BComp controls.)

13.1 Titanium3 1B/ 3BComp

Below is the detailed explanation of the compressor controls of this suite.

Unless expressly indicated each compressor control will be available in both Titanium 3 compressor versions (single band and three band).

1 - TIT1: this button allows you to switch the compressor from TITANIUM₃ to TITANIUM₁ (old version).

2 - SIDE: this button engages the external side-chain of the compressor. (Only available in Titanium₃ 1B).

3 - MUTE: this button allows you to bypass the compressor (of each band) (This control is included only in the three-band compressor)

4 - INPUT TRIM: This knob sets the input level from -15dB to +15dB, and is used to control the signal level in the compressor, the output level is automatically compensated by the same amount of gain. When you run the plugin for the first time, the input is set to ensure that you feed an appropriate level from the first stage of your signal path to the final one.

5 - OUTPUT: this knob controls the plug-in output gain from -15dB to +15dB. (this control is included only in the three-band compressor version)

6 - ON/OFF: this button turns off each band and the preamp. The crossover section is independent of this control so if a band is muted, the crossover filters still affect the incoming signal.

7 - SHMOD: The SH MODE is the shape modulation of the compressor attack envelope. It allows you to fine-tune the attack shape to really customize the attack behavior for any audio source.

8 - THRESHOLD: this knob sets the threshold of the compressor from 0dB to a minimum of -50dB.

9 - RATIO: this knob sets the compression ratio in 6 steps, available values range from 1.5:1 to 10:1.

10 - ATTACK: this knob sets the compressor's attack time, which is 0 ms for the first fifth of the knob rotation, after that it ranges from 0.5 ms (fast) to 300 ms (slow).

11 - RELEASE: TIT1 this knob sets the compressor's release time which ranges from 50 ms (fast) to 10 s (slow); TIT2 (default): this knob sets the compressor's release time that ranges from 48 ms (fast) to 3.15 s (slow).

12 - OVER HIGH: this knob selects the frequency of high and mid band crossover. Available values are: 1.2kHz, 2kHz, 3.2kHz, 4kHz, 4.8kHz and 6kHz. (this control is included only in the three-band compressor version).

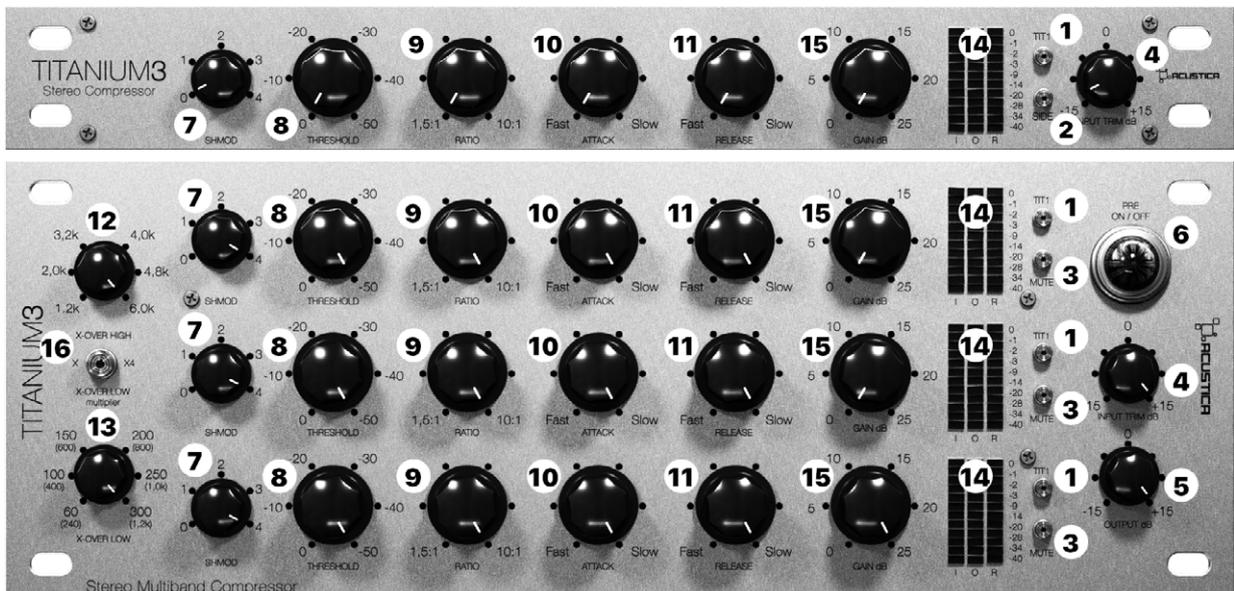
13 - OVER LOW: this knob selects the frequency of low and mid band crossover. Available values are: 60Hz, 100Hz, 150Hz, 200Hz, 250Hz and 300Hz.(this control is included only in the three-band compressor version).

Over Low Multiplier button: this button allows you to select between two frequency ranges: 60Hz-300Hz or 240Hz-1.2kHz (this control is included only in three-band compressor version).

14 - METERS: there are three columns of meters, the first one measures the relative band input level, the second one measures the output level and the third one measures the reduction level applied by the compressor. Each band has its own set of meters, independent of each other (this control is included only in the three-band compressor version).

15 - GAIN CONTROL: It provides a boost amount depending on which band you are applying it to. You have: -an approx 0/+25dB boost.

16 - OVER Low Multiplier button: It allows you to select between two frequency ranges: 60Hz-300Hz or 240Hz-1.2kHz



13.2 Titanium3 EQ

1 - PRE: push the Led to enable the preamp stage of the EQ.

2 - INPUT (TRIM): this function allows for a “one knob” internal gain staging control by automatically linking input and output gain stages with an inverse law. The control sets the input level from -24dB to +24dB, and it is used to adjust the internal operational level of the plugin. Note that this is different from a standard input gain control due to the linked output gain stage, which always ensures that whatever gain change is introduced at Titanium’s input, the output level is automatically compensated so that there’s no perceived level change.

When a positive value is selected the signal entering Titanium3 is brought up by the set amount in dB and the device will operate at a higher internal level.

This will result in higher harmonic distortion levels and stronger compression, negative values will result in lower internal operational level.

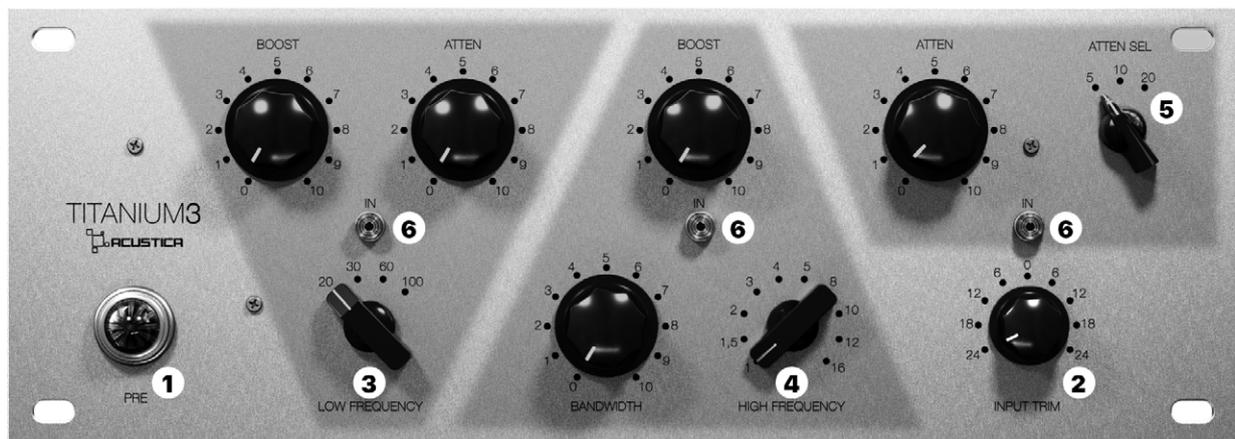
Frequency control: Frequency control is stepped and each band provides a wide range of frequency choices Available frequencies are:

3 - Low boost/attenuate: 20 Hz, 30 Hz, 60 Hz, 100 Hz. (0 to approx + 10 dB, 0 to -10 dB)

4 - High boost with variable bandwidth: 1 kHz, 1.5 kHz, 2 kHz, 3 kHz, 4 kHz, 5 kHz, 8 kHz, 10 kHz, 12 kHz, 16 kHz. (0 to approx + 10 dB; bandwidth = sharp; 0 to approx +10 dB; bandwidth= broad)

5 - High attenuate: 5 kHz, 10 kHz, 20 kHz (0 to approx - 10 dB).

6 - Band power switches (IN): Band power switches enable and disable each EQ band. You have to click on the IN button to enable and click again to disable it.



13.3 Titanium3 Pre

Titanium 3 PRE (and channel-strip version) features different pre-amplifiers, capable of adding warmth to your sound.

1 - PRE1: this enables the COMP preamp stage (MONO)

2 - PRE2: this enables the EQ preamp stage (MONO) They give an essential contribution to the authenticity of the global tone color of this dynamic processor.

3 - OFF: preamp bypass, this is a bypass that cuts the preamp stage out of the signal chain when you press this button.

4 - INPUT (TRIM): this function allows for a “one knob” internal gain staging control by automatically linking input and output gain stages with an inverse law.

The control sets the input level from -24dB to +24dB, and it is used to adjust the internal operational level of the plugin. Note that this is different from a standard input gain control due to the linked output gain stage, which always ensures that whatever gain change is introduced at Titanium’s input, the output level is automatically compensated so that there’s no perceived level change. When a positive value is selected the signal entering Titanium3 is brought up by the set amount in dB and the device will operate at a higher internal level. This will result in higher harmonic distortion levels and stronger compression, negative values will result in lower internal operational level.

5 - OUTPUT: this knob is an output gain control ranging from -24dB to +24dB.



14. Product Registration

Product registration is automatic after you purchase a product in our web-shop and your newly purchased product will be available to download using our brand new assistant application called Aquarius.

For details about registration please refer to Aquarius user’s manual in the website.

15. Product Authorization

Product authorization and de-authorization is an on-line automatic process that creates a product license based on your computer’s identification code.

For details about installation/authorization please refer to Aquarius user’s manual in the website.

This procedure is automatically guaranteed by our brand new application, Aquarius. Its purpose is to simplify and automate the authorization, installation and uninstallation process of your purchased Acustica products (ACQUA plug-ins etc.).

RECOMMENDATION:

We recommend to always update Aquarius to the latest version available, in case of authorization problems with an Acqua plugin, we recommend to proceed with a product uninstall and re-install through Aquarius app.

16. References

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Via Tortini, 9
26900 - Lodi (LO) - Italy
www.acustica-audio.com

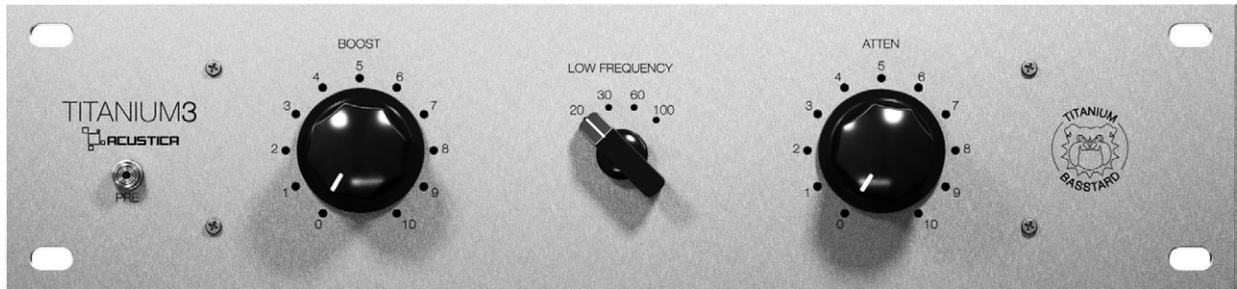
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18. Extra: Titanium3 BASSTARD

We did it again...



The Acustica Audio team would like to surprise you again by bringing you a truly special gift. Celebrate this important upgrade with a brand new, useful and practical piece of dreamware for your studio, welcome the Titanium3 Basstard! What are you waiting for?...hurry up, download it now, it's FREE!



1 H hydrogen	2 He helium	3 Li lithium	4 Be beryllium	5 B boron	6 C carbon	7 N nitrogen	8 O oxygen	9 F fluorine	10 Ne neon	11 Na sodium	12 Mg magnesium	13 Al aluminium	14 Si silicon	15 P phosphorus	16 S sulphur	17 Cl chlorine	18 Ar argon	19 K potassium	20 Ca calcium	21 Sc scandium	22 Ti titanium	23 V vanadium	24 Cr chromium	25 Mn manganese	26 Fe iron	27 Co cobalt	28 Ni nickel	29 Cu copper	30 Zn zinc	31 Ga gallium	32 Ge germanium	33 As arsenic	34 Se selenium	35 Br bromine	36 Kr krypton	37 Rb rubidium	38 Sr strontium	39 Y yttrium	40 Zr zirconium	41 Nb niobium	42 Mo molybdenum	43 Tc technetium	44 Ru ruthenium	45 Rh rhodium	46 Pd palladium	47 Ag silver	48 Cd cadmium	49 In indium	50 Sn tin	51 Sb antimony	52 Te tellurium	53 I iodine	54 Xe xenon	55 Cs caesium	56 Ba barium	57-71 lanthanide	72 Hf hafnium	73 Ta tantalum	74 W tungsten	75 Re rhenium	76 Os osmium	77 Ir iridium	78 Pt platinum	79 Au gold	80 Hg mercury	81 Tl thallium	82 Pb lead	83 Bi bismuth	84 Po polonium	85 At astatine	86 Rn radon	87 Fr francium	88 Ra radium	89-103 actinide	104 Rf rutherfordium	105 Db dubnium	106 Sg seaborgium	107 Bh bohrium	108 Hs hassium	109 Mt meitnerium	110 Ds darmstadtium	111 Rg roentgenium	112 Cn copernicium	113 Nh nihonium	114 Fl flerovium	115 Mc moscovium	116 Lv livermorium	117 Ts tennessine	118 Og oganesson	57 La lanthanum	58 Ce cerium	59 Pr praseodymium	60 Nd neodymium	61 Pm promethium	62 Sm samarium	63 Eu europium	64 Gd gadolinium	65 Tb terbium	66 Dy dysprosium	67 Ho holmium	68 Er erbium	69 Tm thulium	70 Yb ytterbium	71 Lu lutetium	89 Ac actinium	90 Th thorium	91 Pa protactinium	92 U uranium	93 Np neptunium	94 Pu plutonium	95 Am americium	96 Cm curium	97 Bk berkelium	98 Cf californium	99 Es einsteinium	100 Fm fermium	101 Md mendelevium	102 No nobelium	103 Lr lawrencium
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Periodic Table of Elements

