

## Detailed description of the musical tracks of EMMA 2024 competition music

The timings mentioned below may not be exact and can be affected by the playback equipment, please regard them as approximate only.

### Track 8: Auf den Flügeln des Gesangs

Japanese opera singer accompanied by piano.

Very balanced track where the singer and piano are always in harmony. The song emits a feeling of tranquility and melancholy. There is a lot of dynamic range and from 1:16 an unbalanced system can possibly overmodulate.

Until 0:57 it is sung in Japanese, after that in German. Use this track for judging midrange and high frequencies.

This track contains only a female voice and a piano. The piano stands in a big room with a great depth and far behind and a little bit below the singer. The voice is not fixed in the center position. It wanders slightly around the center to the left and right and in periodic intervals.

The recording is well balanced and contains very good information to judge midrange and upper midrange/lower highs. Listen for the naturalness of the voice and the body of the piano. The voice should sound clear and powerful without any harshness. The relaxed sound of the grand piano sounds always smooth and supports the powerful voice. The track is perfect to look for precision and details.

### Track 9: Hungry Bird

This jazz-like track is good for scoring Subbass, Midbass, Midrange and Highs.

There are a lot of instruments and sounds playing:

Vocals (Female and one male) and backing Vocals, Jazz Drums (played with Brushes and Sticks), Electric Bass, Grand Piano (Yamaha C7), Harpsichord, Jaw-Harp, Percussion, Ukulele, Resonator Guitar, Electric Guitar, Tuba, Trumpet, Flute, whistling, Clarinet and Birdy Flute.

Every instrument, sound and especially the female voice should sound very natural and distinct, without affecting the sound of the other. In this track, the Yamaha C7 Grand Piano used has a different sound-character than the Steinway B, which is used in Track 8. It also has microphones placed closer.

Try to separate and identify all voices, sounds and instruments. For the Bass-section it's important, that you can hear the different music-lines of the electric bass, the lower tones of the grand piano and the tuba (in the beginning of the track).

This track contains all musical information needed to judge all 4 sections of tonal accuracy. The separation of all instruments must be spot on.

In the beginning (sec. 3-4) listen to the Jaw-Harp on the right side. It plays 2 tones on slightly two different positions nearby on the right side. After sec. 20 many instruments step in. The piano plays over the complete width from left to right. From 0:28 to 0:34 high flute, harpsichord and piano play the same notes/melody unison/harmonious sound. The Clarinet (during Chorus) in the background is mostly at the right center position whilst the flute is on the opposite side in left center position.

Electric Guitar on left center position with a hall effect. The female voice is in the center position sometimes with a chorus effect from left to right. The male voice at sec. 38 stands a little bit to the left and behind the female singer. The drum kit sounds smooth. For the snare drum a brush is used. The bass drum is not punchy but soft and deep. All instruments except the resonator guitar sounds always clean and not distorted.

### **Track 10: Carrero**

Latin influenced track with many percussion instruments, a male voice and a dynamic piano sound. Good for judging all 4 sections of tonal accuracy.

From 0:10 to 0:15 In the beginning the Organ (slightly distorted synth) is panned from left to right center.

0:10 -20 Piano Intro melody played in Octaves (the same melody is played an octave higher). Piano overdub (in the mix a second piano track) is added to the recording and plays a 2nd voice also in octaves.

Male voice is always in center position and in front of the other instruments. Backing vocals (10 Voices) spread in different panning positions from left to right.

Electric guitar (distorted) is way back and between right center and right position.

All percussion instruments and the piano sounds clean, dynamic, and fast.

The electric bass sounds soft and big. The trumpet at the end sounds powerful and slightly distorted.

### **Track 11: Mama Nature**

Soulful and rocking track. Good for judging all 4 sections of tonal accuracy and for overall spectral balance.

The drum kit in this track sounds powerful and punchy. The female voice is mostly in center position, sometimes with sound effects and a big chorus. Electric bass goes deep and has a bigger width. On a good sound system, the voice, the chorus, and the background voices never sound angry/harsh or distorted but very powerful and strong. At 0:46, 1:25 and 2:00 the background voices must be clearly separated over the whole soundstage from left to right.

At Min. 2:52 the snare drum and the tambourine must sound on different soundstage levels.