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# **ITU-R BS.2217-1 (48 kHz, 16 bit, 1 to 6 channels)**

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Please download the validation files from <http://www.itu.int/pub/R-REP-BS.2217>. Below is a summary of the accompanying PDF file. Measured levels may deviate by a maximum of  $\pm 0.1$  LKFS.

Please use the surround version of K-Meter. I prefer the incredibly cheap (and highly professional!) digital audio workstation [Reaper](#) for validating these files. You can find my project file in the subdirectory "R-REP-BS.2217-1".

<b>File</b>	<b>Readout</b>	<b>K-20</b>	<b>Channels</b>
1770Comp-2_RelGateTest	<i>ignore</i>	<i>ignore</i>	<i>stereo</i>
1770Comp-2_AbsGateTest	<i>ignore</i>	<i>ignore</i>	<i>stereo</i>
1770Comp2_18LKFS_FrequencySweep	-18.0 LKFS	+2.0 LKFS	mono *)
1770Comp2_23LKFS_25Hz_2ch	-23.0 LKFS	-3.0 LKFS	stereo
1770Comp2_23LKFS_100Hz_2ch	-23.0 LKFS	-3.0 LKFS	stereo
1770Comp2_23LKFS_500Hz_2ch	-23.0 LKFS	-3.0 LKFS	stereo
1770Comp2_23LKFS_1000Hz_2ch	-23.0 LKFS	-3.0 LKFS	stereo
1770Comp2_23LKFS_2000Hz_2ch	-23.0 LKFS	-3.0 LKFS	stereo
1770Comp2_23LKFS_10000Hz_2ch	-23.0 LKFS	-3.0 LKFS	stereo
1770Comp2_24LKFS_25Hz_2ch	-24.0 LKFS	-4.0 LKFS	stereo
1770Comp2_24LKFS_100Hz_2ch	-24.0 LKFS	-4.0 LKFS	stereo
1770Comp2_24LKFS_500Hz_2ch	-24.0 LKFS	-4.0 LKFS	stereo
1770Comp2_24LKFS_1000Hz_2ch	-24.0 LKFS	-4.0 LKFS	stereo
1770Comp2_24LKFS_2000Hz_2ch	-24.0 LKFS	-4.0 LKFS	stereo
1770Comp2_24LKFS_10000Hz_2ch	-24.0 LKFS	-4.0 LKFS	stereo
1770Comp2_23LKFS_SummingTest	-23.0 LKFS	-3.0 LKFS	5.1
1770Comp2_23LKFS_ChannelCheckLeft	-23.0 LKFS	-3.0 LKFS	5.1
1770Comp2_23LKFS_ChannelCheckRight	-23.0 LKFS	-3.0 LKFS	5.1
1770Comp2_23LKFS_ChannelCheckCentre	-23.0 LKFS	-3.0 LKFS	5.1
1770Comp2_23LKFS_ChannelCheckLFE	-inf LKFS	-inf LKFS	5.1
1770Comp2_23LKFS_ChannelCheckLs	-23.0 LKFS	-3.0 LKFS	5.1
1770Comp2_23LKFS_ChannelCheckRs	-23.0 LKFS	-3.0 LKFS	5.1
1770Comp2_24LKFS_SummingTest	-24.0 LKFS	-4.0 LKFS	5.1
1770Comp2_24LKFS_ChannelCheckLeft	-24.0 LKFS	-4.0 LKFS	5.1
1770Comp2_24LKFS_ChannelCheckRight	-24.0 LKFS	-4.0 LKFS	5.1
1770Comp2_24LKFS_ChannelCheckCentre	-24.0 LKFS	-4.0 LKFS	5.1
1770Comp2_24LKFS_ChannelCheckLFE	-inf LKFS	-inf LKFS	5.1
1770Comp2_24LKFS_ChannelCheckLs	-24.0 LKFS	-4.0 LKFS	5.1
1770Comp2_24LKFS_ChannelCheckRs	-24.0 LKFS	-4.0 LKFS	5.1

\*) During validation, K-Meter will convert mono files to stereo, so you'll have to subtract 3.01 dB from K-Meter's readout in order to match the given levels.

## Validation settings

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File: meter\_ballistics.flac

Host SR: 48 000 Hz

Channel: All

Display: ☐ Peak meter level  
☒ Average meter level  
☐ Maximum peak level  
☐ Stereo meter value  
☐ Phase correlation