

Instructions to use CTA/PSAP Worksheet

This document provides instructions for using the CTA ANSI/PSAP Worksheet. These instructions are also available in the templates.

❖ CTA/PSAP Template (non-macro-enabled)

1. Enter the output values for your device into row 4 (Column C4 to S4)
2. Row 5: These values will automatically change. The formula here considers the CORFIG values (available in the next sheet "CORFIG". DO NOT delete that sheet while using this template.)
3. Rows 6 and 7: These values will automatically pop-up based on the values in column 5.
4. The Average REAR (row 8) and Frequency Cutoff Level (row 9) will automatically show up. If any of these values are beyond ± 12 dB, it is considered that the corresponding frequency is not meeting CTA standards.
5. Frequency Bandwidth (row 10): The frequency range with "CORFIG+ output" (row 5) higher than the cut off level (row 9) will be automatically highlighted. Enter this frequency range in row 10 column B.

*The CORFIG+ output data across the frequencies is also shown in the graph to the right. This graph will automatically get updated as you enter new output values.

❖ CTA/PSAP Template (macro-enabled)

1. Have the output from your electroacoustic analysis of your PSAP devices available.
2. Click the "Check PSAP" button.
3. You will be prompted to enter the outputs for your PSAP devices for the right and left side at frequencies between 200 and 8000 Hz.
4. You can choose to enter the name of the devices or not.
5. Click "Run" when all the outputs are entered.
6. A pop-up will appear with the Average REAR, Frequency Bandwidth, and detected Peaks.

*Note that only peaks detected within the frequency bandwidth are considered peaks according to CTA standards.