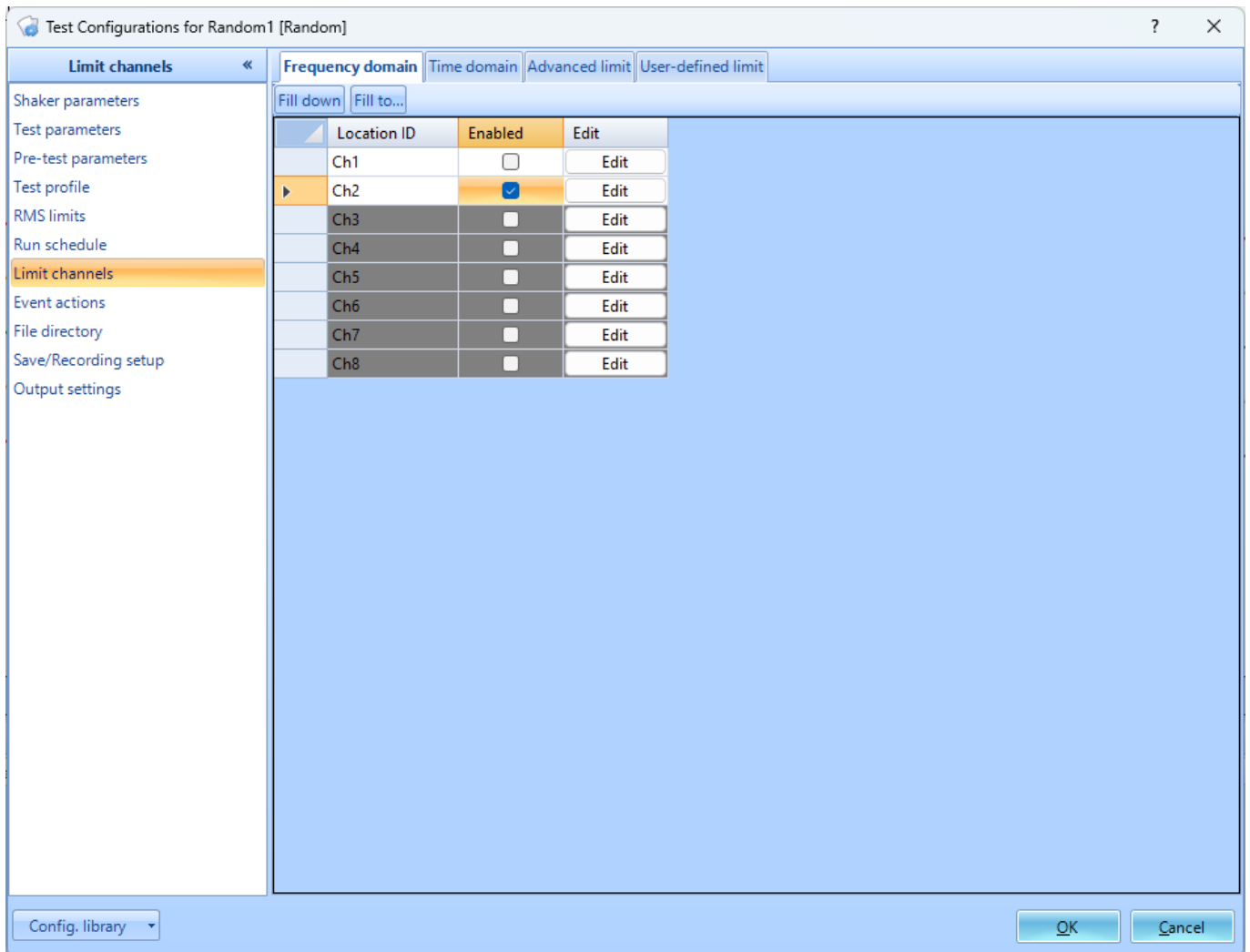


# Setting Up Limit Channels

In some cases, monitor accelerometers placed on the DUT will want to be limited to ensure that the DUT itself does not experience increased dangerous levels. To do this, Limit Channels can be enabled to make sure that these levels are not reached. Here is how to set this up.

1. Go to **Setup** → **Test Configuration** → **Limit Channels**
2. Select the channel that is to be limited and check the **Enabled** box.



3. A limit profile window will open. Specific High Abort and High Alarm limits can be set up.

Limit Profile For Channel: Ch2

Legend: HighAbort(f) (red line), HighAlarm(f) (orange line), profile(f) (green line)

Y-axis: (g)<sup>2</sup>/Hz (0.0001, 0.001, 0.01)

X-axis: Frequency (Hz) (20, 100, 1000, 2000)

Options:  High abort,  High alarm,  Notching,  Low alarm,  Low abort,  Define all limits together

| Frequency (Hz) | Reference ((g) <sup>2</sup> /Hz) | Enable                              | High abort (dB) | High alarm (dB) |
|----------------|----------------------------------|-------------------------------------|-----------------|-----------------|
| 20             | 0.0010878                        | <input checked="" type="checkbox"/> | 6               | 3               |
| 2000           | 0.0010878                        | <input type="checkbox"/>            | 6               | 3               |

Buttons: Import..., Export CSV, Edit table, Rescale, Insert row, Remove row, Clear table, Fill all, Fill down, Fill range..., Digital output, OK, Cancel

4. A notching limit can also be created. This type of limit will decrease the drive output to make sure that the limit is not met.

Limit Profile For Channel: Ch2

Show dB  
 Show profile

Import...  
Export CSV  
Edit table  
Rescale  
Insert row  
Remove row  
Clear table  
Fill all  
Fill down  
Fill range...  
Digital output

High abort  High alarm  Notching  Low alarm  Low abort  Define all limits together

All limits

| Frequency (Hz) | Reference ((g)²/Hz) | Enable                              | High abort (dB) | High alarm (dB) |
|----------------|---------------------|-------------------------------------|-----------------|-----------------|
| 20             | 0.0010878           | <input type="checkbox"/>            | 6               | 3               |
|                |                     | <input checked="" type="checkbox"/> |                 |                 |
| 2000           | 0.0010878           | <input type="checkbox"/>            | 6               | 3               |

OK Cancel

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Permanent link: <https://help.go-ci.com/vcs:limitchannels?rev=1715872279>

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