

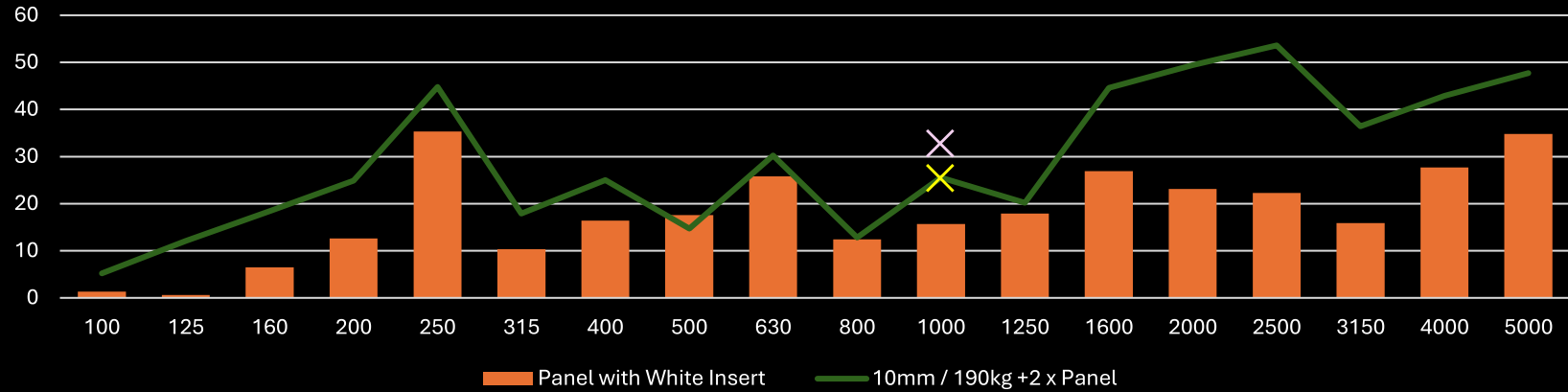
# MLV TEST RESULTS

## Double Panel WITHOUT MLV

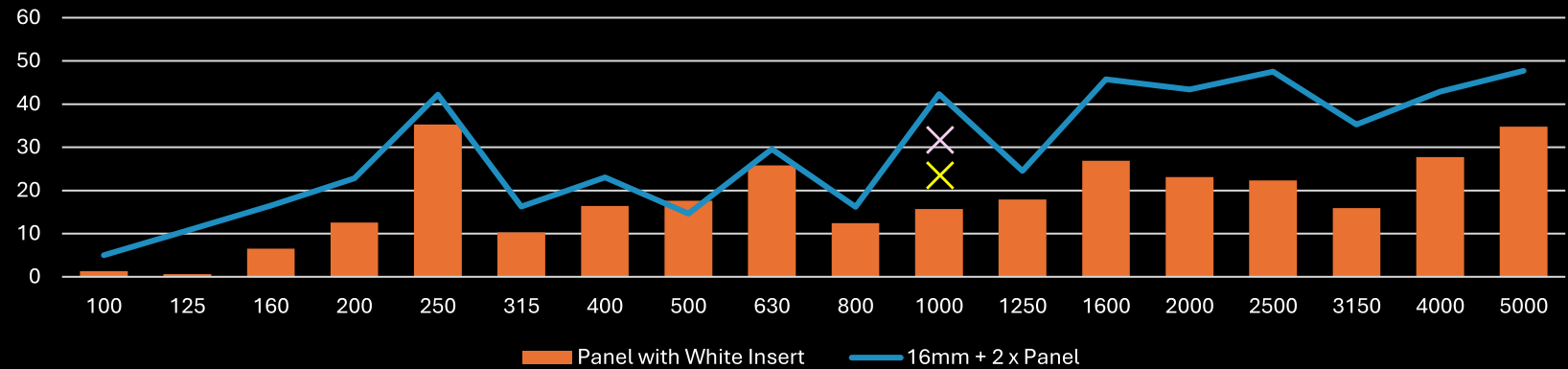
Ultimate Solutions  
measured at 1000Hz

- ✕ With MLV (32dB)
- ✕ Without MLV (26dB)

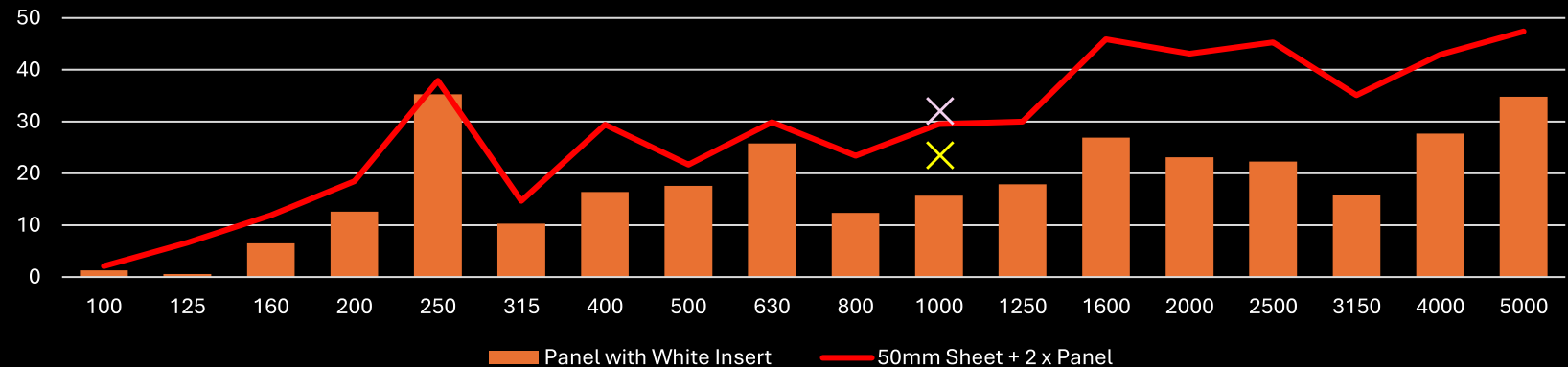
### Double Panel – 10mm / 190kg



### Double Panel - 16mm / 120kg



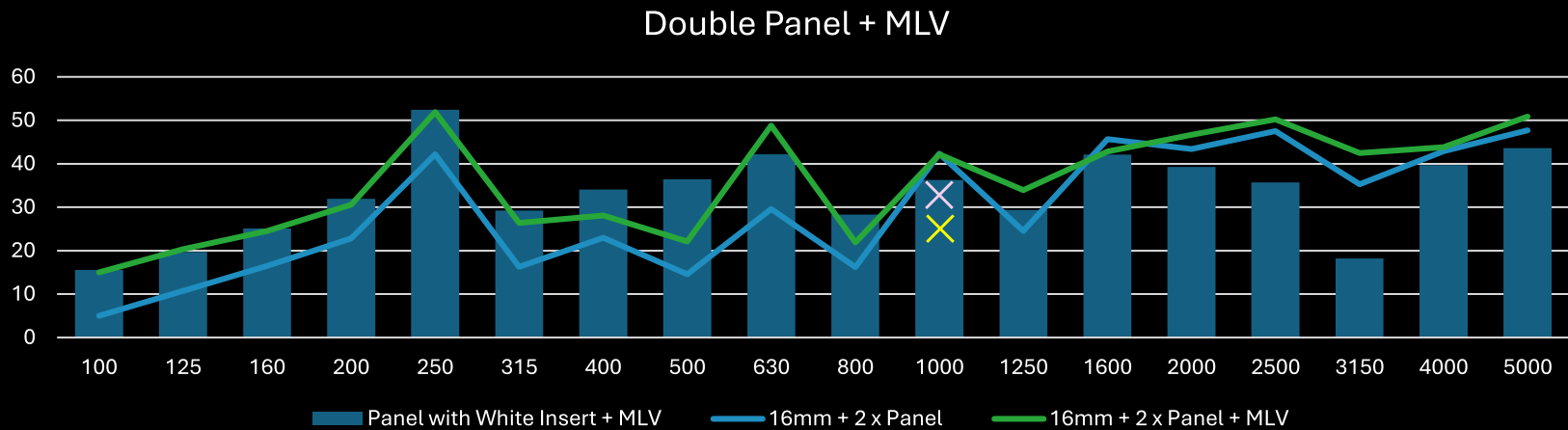
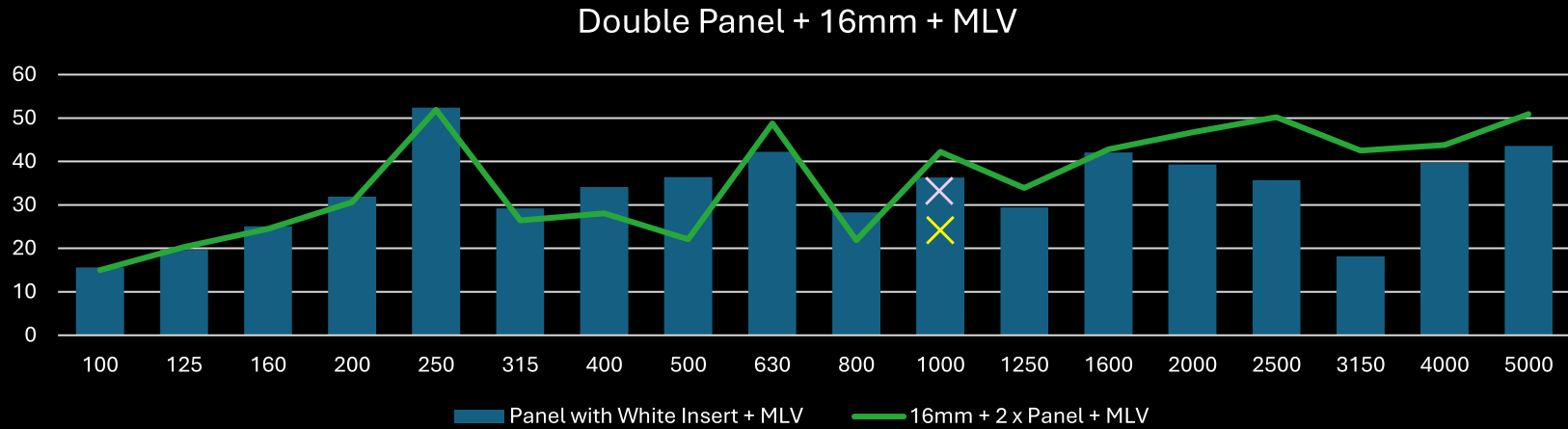
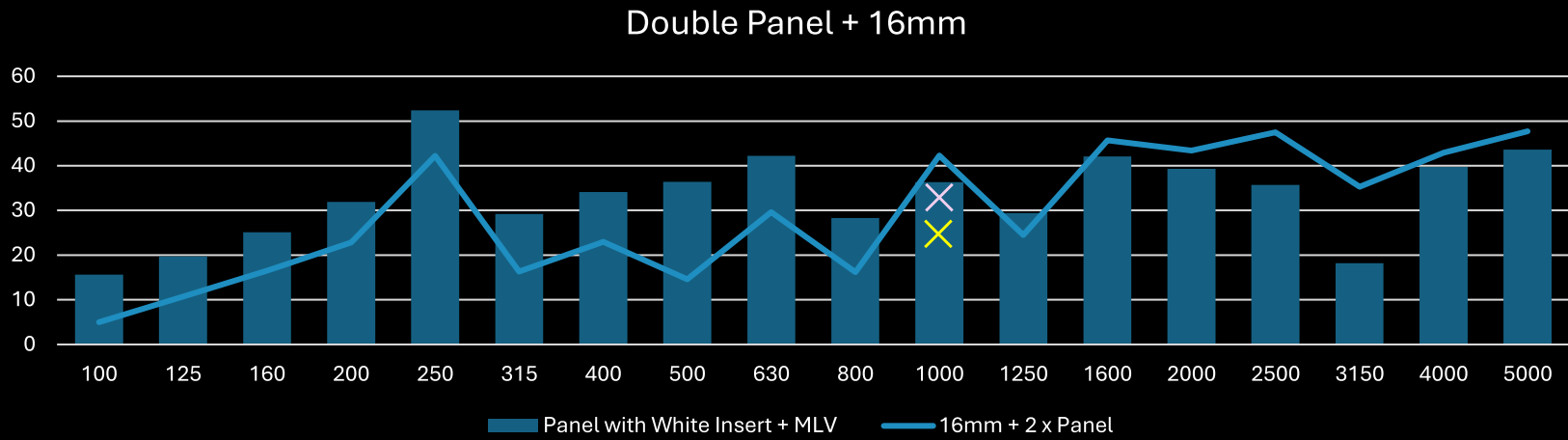
### Double Panel - 50mm



# MLV TEST RESULTS

## Double Panel WITH MLV

Ultimate Solutions  
measured at 1000Hz  
 ✕ With MLV (32dB)  
 ✕ Without MLV (26dB)



# Testing

<b>Test Rig</b>	<ul style="list-style-type: none"><li>• Two rigid plywood boxes (~600 × 600 × 300 mm, 18 mm ply) with a sealed test aperture between them.</li><li>• Aperture plate: 600 × 600 mm panel with centered 450 × 450 mm opening.</li></ul>		
<b>Send Box</b>	<ul style="list-style-type: none"><li>• Bluetooth speaker inside</li><li>• Foam lining</li></ul>	<b>Receive Box</b>	<ul style="list-style-type: none"><li>• dB meter inside</li><li>• Lined with MLV + foam + all joints sealed</li></ul>
<b>Method</b>	<ul style="list-style-type: none"><li>• Run baseline test across frequency range</li><li>• Repeat with different product configurations</li></ul>		
<b>Frequencies Tested (Hz)</b>	100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1000, 1250, 1600, 2000, 2500, 3150, 4000, 5000		

