# Line Array Calculations Report



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#### Note:

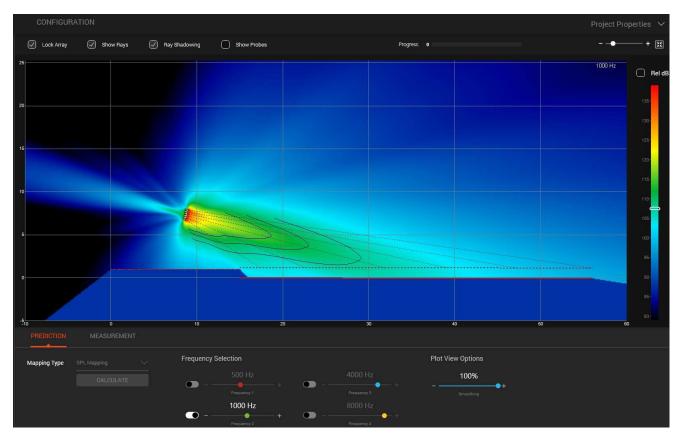
All simulations are for reference purposes only and are based on the given data information at the time of plotting and are based on direct sound subjected to change on later provisions.

#### LAC PLOTS AND REPORT SIMULATED BY:

LOU GARCIA | Systems Applications

# **LAC Views**

2D



### Loudspeaker Information

#### VTX A8 Suspended Array

Frequency Range (-10 dB): 49Hz - 19kHz (Preset: VTX A8)

Coverage Pattern (-6dB)

Horizontal: 110 degrees nominal (300Hz - 18kHz) Vertical: Varies with array size and configuration

Maximum Peak Output<sup>2</sup>: 139dB (Preset: VTX A8)

System Impedance: LF: 8 ohms

LF: 8 ohms MF/HF: 8 ohms

6 Units Main left and Right)

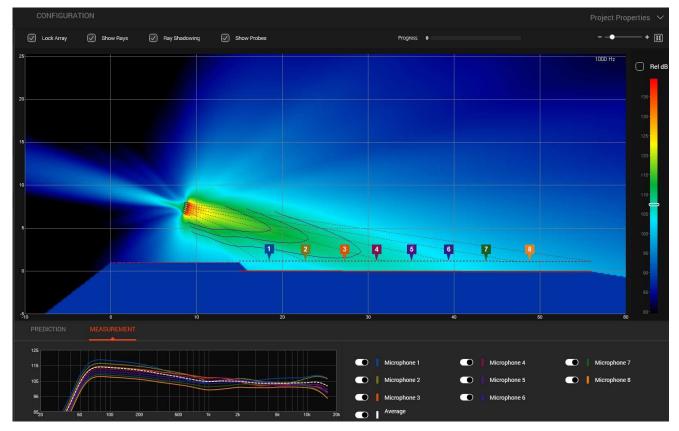
#### VTX B18 Suspended SUB

Frequency Range (-10 dB): 28 Hz - 80 Hz (Preset: VTX B18 80) Coverage Pattern Options1: Omni-directional or Cardioid

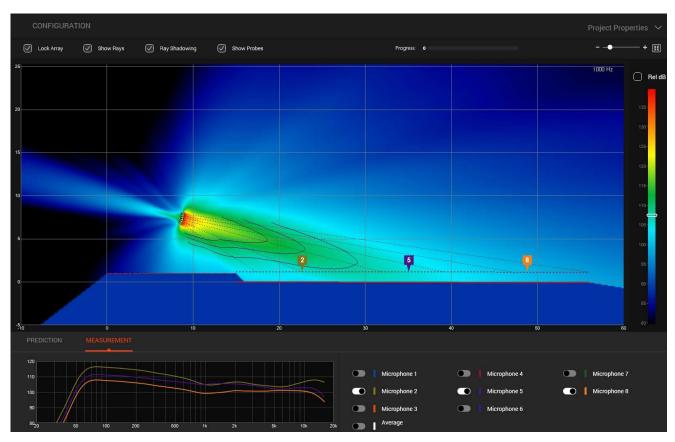
System Impedance: 8 ohms

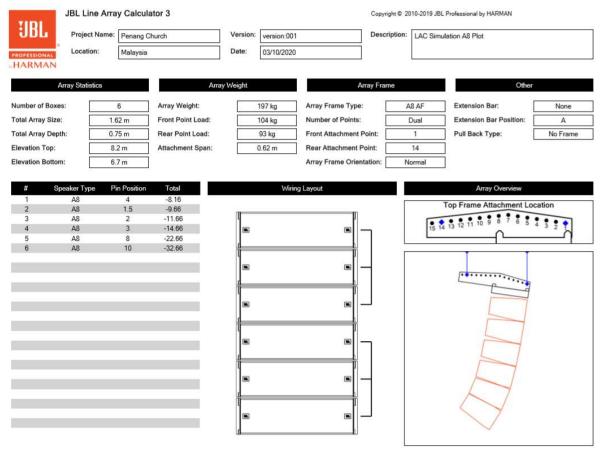
4 Units Centre Position (Single Distributed)

#### Plot Positions



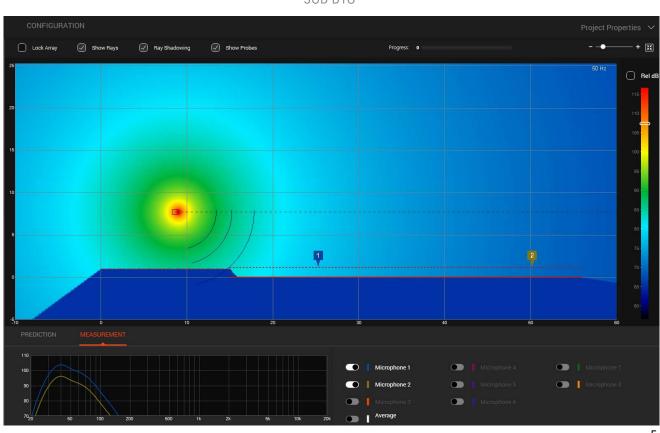
Plot Positions

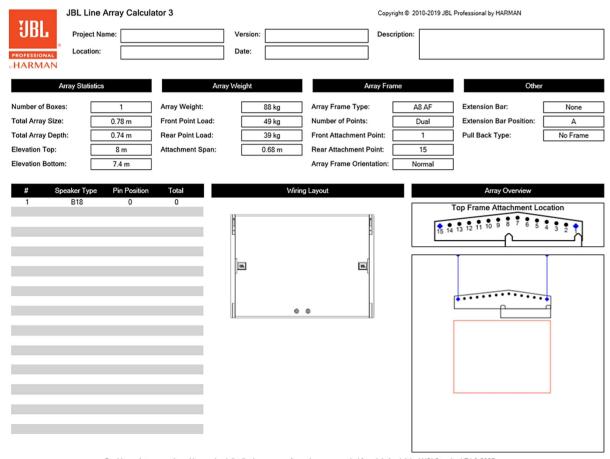




Double - point suspension with even load distribution on array frame is recommended for minimized risk. ANSI Standard E1.8-2005 (LOUDSPEAKER ENCLOSURES INTENDED FOR OVERHEAD SUSPENSION), Section 5.3.4 specifies minimum 5:1 design factor. Consult a qualified rigger.

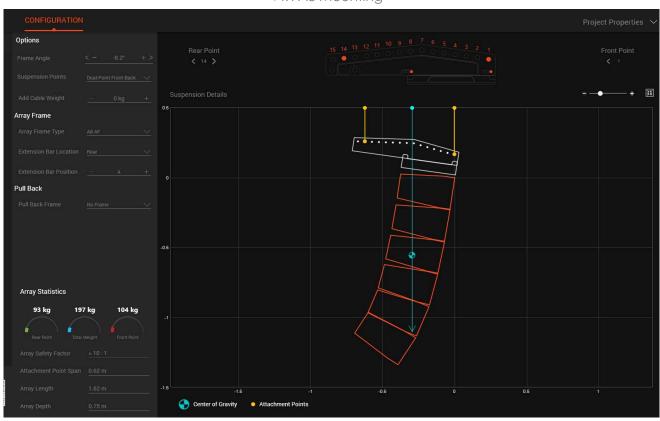
#### SUB B18





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#### VTX A8 Mounting



### SUB B18 Mounting

