

Ground Vibration Report

Summary

|                        |                                                |
|------------------------|------------------------------------------------|
| Event Type             | Production Blast                               |
| Magnitude              | N/A                                            |
| Event Date             | 2026/08/05                                     |
| Event Time             | 06:32:51 Australia/Melbourne                   |
| Location               | Phoenix                                        |
| Distance Below Surface | ~1270 m                                        |
| Notes                  | PHX 3880 CYG 6465 F1<br>Blast duration: 3.87ms |



PPV Measurements

| Site ID | X Component |           | Y Component |           | Z Component |           | Vector |
|---------|-------------|-----------|-------------|-----------|-------------|-----------|--------|
|         | PPV (mm/s)  | Freq (Hz) | PPV (mm/s)  | Freq (Hz) | PPV (mm/s)  | Freq (Hz) |        |
| FGV16   | 0.40        | 24.5      | 0.21        | 20.6      | 0.25        | 36.9      | 0.42   |
| FGV1    | 0.22        | 30        | 0.25        | 26.6      | 0.20        | 40.5      | 0.36   |
| FGV2    | < 0.20      | 52        | < 0.20      | 45.3      | < 0.20      | 55.2      | < 0.20 |
| FGV14   | < 0.20      | 34.6      | < 0.20      | 31.5      | < 0.20      | 62.2      | < 0.20 |
| FGV4    | < 0.20      | 24.3      | < 0.20      | 81.0      | < 0.20      | 75.4      | < 0.20 |
| FGV7    | < 0.20      | 25        | < 0.20      | 21.2      | < 0.20      | 27.5      | < 0.20 |
| FGV20   | < 0.20      | 20.1      | < 0.20      | 24.3      | < 0.20      | 37.4      | < 0.20 |
| FGV3    | < 0.20      | 26.8      | < 0.20      | 17.8      | < 0.20      | 40.3      | < 0.20 |
| FGV5    | < 0.20      | 30        | < 0.20      | 31.9      | < 0.20      | 40.0      | < 0.20 |
| FGV6    | < 0.20      | 41.8      | < 0.20      | 45.5      | < 0.20      | 20.8      | < 0.20 |
| FGV8    | -           | -         | -           | -         | -           | -         | -      |
| FGV9    | -           | -         | -           | -         | -           | -         | -      |
| FGV10   | -           | -         | -           | -         | -           | -         | -      |
| FGV11   | -           | -         | -           | -         | -           | -         | -      |
| FGV12   | -           | -         | -           | -         | -           | -         | -      |
| FGV13   | -           | -         | -           | -         | -           | -         | -      |
| FGV15   | -           | -         | -           | -         | -           | -         | -      |
| FGV17   | -           | -         | -           | -         | -           | -         | -      |
| FGV18   | -           | -         | -           | -         | -           | -         | -      |
| FGV19   | -           | -         | -           | -         | -           | -         | -      |
| FGV21   | -           | -         | -           | -         | -           | -         | -      |
| FGV22   | -           | -         | -           | -         | -           | -         | -      |
| FGV23   | -           | -         | -           | -         | -           | -         | -      |
| FGV24   | -           | -         | -           | -         | -           | -         | -      |
| FGV25   | -           | -         | -           | -         | -           | -         | -      |

Per-component Peak Particle Velocities (PPV) vs. Zero Crossing Frequencies.  
Line indicates cosmetic damage guidelines  
(residential buildings, Fig. J4.4.2.1, AS 2187.2:2006).

Legend: Below detection threshold Below 15 mm/s Above 15 mm/s Above damage curve

