

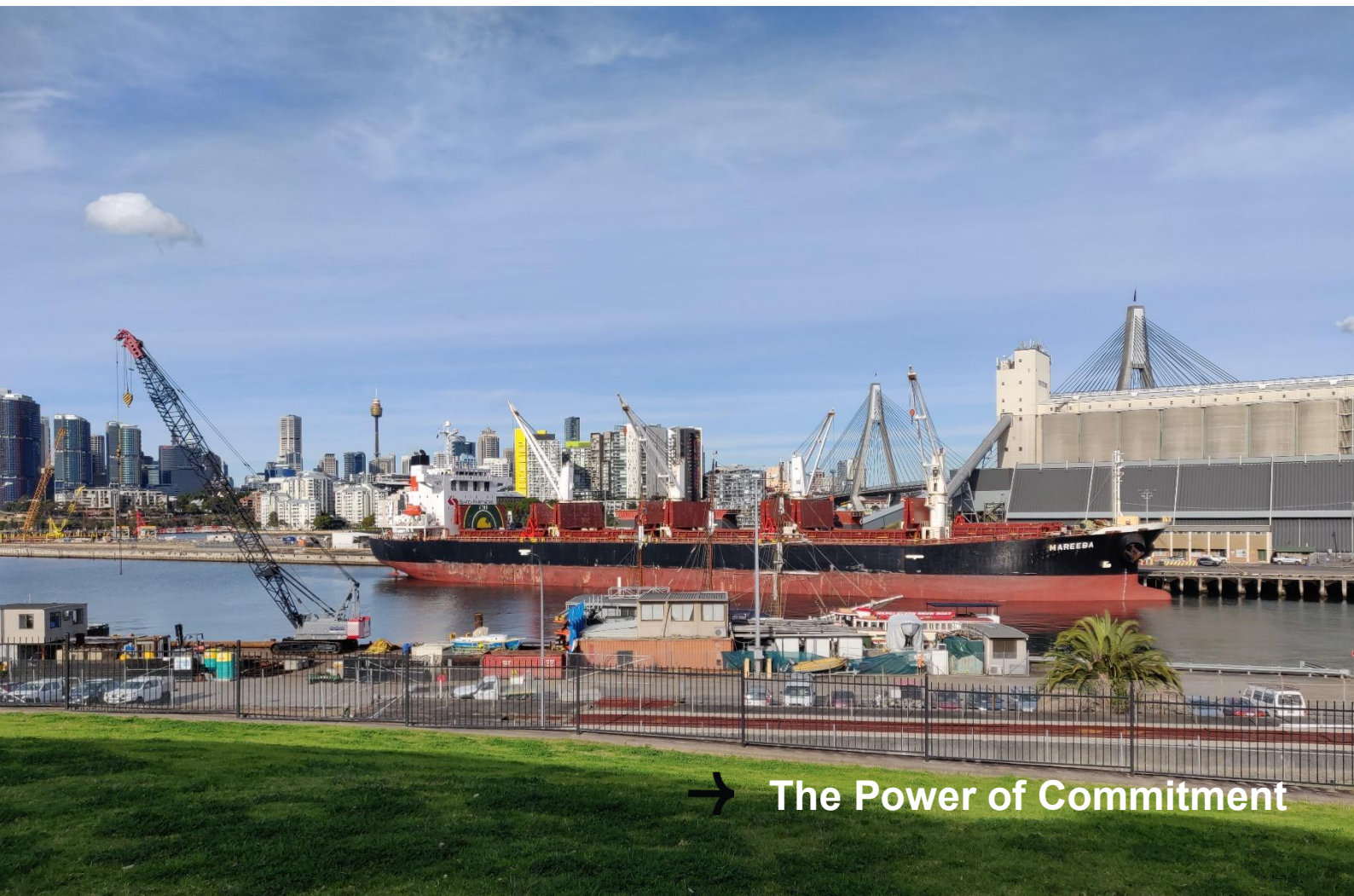


Monthly compliance noise monitoring report

Glebe Island / White Bay

Port Authority of New South Wales

June 2026



The Power of Commitment

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1. Introduction

GHD Pty Ltd (GHD) has been engaged by Port Authority of New South Wales (Port Authority) to undertake compliance noise monitoring, as required by the Port Noise Policy (Port Authority, 2020).

This report provides the details of the compliance noise monitoring for all vessels at berth during June 2026, as determined using the noise monitoring system. A detailed description of the permanent noise monitoring system including a map of monitoring locations is provided in the Noise Monitoring Plan, available on Port Authority's website.

2. Noise monitoring details and vessel schedule

In previous monthly reports, each assessment date ran from 7:00 am to 7:00 am the following day. This meant the night period (10:00 pm to 7:00 am) was assigned to the same date as the preceding day period. As a result, any data recorded after midnight appeared in the system under the previous calendar date.

Starting with June 2026 (this report), the assessment date has since been updated to run from midnight to midnight, so that the system date always corresponds with the actual calendar date. The night period for each assessment date now comprises two blocks: 12:00 am to 7:00 am, and 10:00 pm to 11:59 pm.

Client	Company details	Noise monitor name	Noise monitor location	Noise monitor details / settings	Noise monitor serial numbers	Monthly calibration variance
Port Authority of New South Wales	GHD Pty Ltd	L01	Grafton Street, Balmain	Meter details Norsonic Nor145 Sound Level Meter with Nor1297 Noise Compass	14529642	Initial calibration level 94.3 dBA Min. deviation = 0.0 dB Max. deviation = 0.1 dB
	Member of the Association of Australasian Acoustical Consultants (AAAC)	L02	Maintenance Building on White Bay		14529645	Initial calibration level 91.3 dBA Min. deviation = 0.0 dB Max. deviation = 0.1 dB
	Lead staff are Members of the Australian Acoustical Society (AAS)	L03	Adjacent to White Bay 2	Meter settings A-weighted Fast time response 15 minute intervals	14529644	Initial calibration level 92.9 dBA Min. deviation = -0.1 dB Max. deviation = 0.1 dB
		L04	Onsite at Glebe Island		14529646	Initial calibration level 92.3 dBA Min. deviation = -0.1 dB Max. deviation = 0.0 dB
Vessel name	Arrival date and time		Departure date and time		Berth location	Applicable noise monitoring location/s
Bulk vessels						
Pioneer	June 9, 2026 / 10:20		June 14, 2026 / 5:51		GLB7	L03

Akuna	June 16, 2026 / 10:58	June 18, 2026 / 21:48	GLB8	L03
CSL Reliance	June 19, 2026 / 3:08	June 22, 2026 / 7:19	GLB7	L03
Vessel name	Arrival date and time	Departure date and time	Berth location	Applicable noise monitoring location/s
Cruise vessels				
Nil				
Vessel name	Arrival date and time	Departure date and time	Berth location	Applicable noise monitoring location/s
Other vessels				
Hoshin Maru No. 62	June 20, 2026 / 15:10	June 21, 2026 / 12:10	WHT4	L02

2.1 Compliance summary

2.1.1 Bulk vessels / other vessels

Vessel	Dates at berth	Monitor location	Vessel Noise Level, dBA (inclusive of any modifying factor penalties)			Vessel Noise Trigger Levels, dBA			Compliance ¹		
			Day ² L _{Aeq} (15 hr)	Night ³ L _{Aeq} (1 hr)	Night L _{Amax}	Day ² L _{Aeq} (15 hr)	Night ³ L _{Aeq} (1 hr)	Night L _{Amax}	Day ² L _{Aeq} (15 hr)	Night ³ L _{Aeq} (1 hr)	Night L _{Amax}
Bulk vessels											
Pioneer	Jun 9 – Jun 14	L03	50	48	60	60	55	65	Yes	Yes	Yes
Akuna	Jun 16 – Jun 18	L03	54	48	68 ⁴	60	55	65	Yes	Yes	No ⁴
CSL Reliance	Jun 19 – Jun 22	L03	55	55	69 ⁵	60	55	65	Yes	Yes	No ⁵
Other vessels											
Hoshin Maru No. 62	Jun 20 – Jun 21	L02	57	56 ⁶	54	60	55	65	Yes	No ⁶	Yes
Notes: 1) If non-compliance is detected, a detailed investigation of the results will be undertaken and reported separately if required 2) Daytime period (7 am to 10 pm) – 15-hour logarithmic average 3) Night-time (10 pm to 7 am) – loudest 1 hour period 4) This maximum noise level event occurred once during the night time period at 6:33am. Given the exceedance only occurred once, and the vessel was compliant at all other times on this date, this is not considered a significant exceedance. 5) This maximum noise level event occurred once during the night time period at 5:26am. Given the exceedance only occurred once, and the vessel was compliant at all other times on this date, this is not considered a significant exceedance. 6) Measurements determined that noise was tonal at 3150 Hz for a 1-hour period between 10pm and 11pm on June 20th. Based on a review of the data it is likely that this originated from the vessel.											

2.1.2 Cruise vessels

There were no cruise vessels at berth during June.

3. Detailed results – bulk vessels / other vessels

3.1 Pioneer (GLB7) – June 9, 2026 – June 14, 2026

3.1.1 Daily noise monitoring results

Date	Time period ¹	Monitor location	Noise descriptor	Vessel noise level dBA ²	Tonal	LFN ³	Vessel Noise Trigger Levels, dBA	Compliance
June 9, 2026	Day	L03	L _{Aeq} , 15 hour ¹	49	No	Yes	60	Yes
	Night		L _{Aeq} , 1 hour ¹	46	No	Yes	55	Yes
			L _{Amax}	52	-	-	65	Yes
June 10, 2026	Day	L03	L _{Aeq} , 15 hour ¹	47	No	Yes	60	Yes
	Night		L _{Aeq} , 1 hour ¹	48	No	Yes	55	Yes
			L _{Amax}	60	-	-	65	Yes
June 11, 2026	Day	L03	L _{Aeq} , 15 hour ¹	50	No	Yes	60	Yes
	Night		L _{Aeq} , 1 hour ¹	48	No	Yes	55	Yes
			L _{Amax}	60	-	-	65	Yes
June 12, 2026	Day	L03	L _{Aeq} , 15 hour ¹	49	No	Yes	60	Yes
	Night		L _{Aeq} , 1 hour ¹	48	No	Yes	55	Yes
			L _{Amax}	56	-	-	65	Yes
June 13, 2026	Day	L03	L _{Aeq} , 15 hour ¹	47	No	No	60	Yes
	Night		L _{Aeq} , 1 hour ¹	47	No	No	55	Yes
			L _{Amax}	59	-	-	65	Yes
June 14, 2026	Day	L03	L _{Aeq} , 15 hour ¹	-	-	-	60	-
	Night		L _{Aeq} , 1 hour ¹	46	No	No	55	Yes
			L _{Amax}	53	-	-	65	Yes

Notes:

1) Daytime period (7 am to 10 pm) – 15 hours

Night-time period (10 pm to 7 am) – worst case 1 hour

2) Inclusive of any penalties for modifying factors

3) LFN = Low Frequency Noise

3.1.2 Additional information

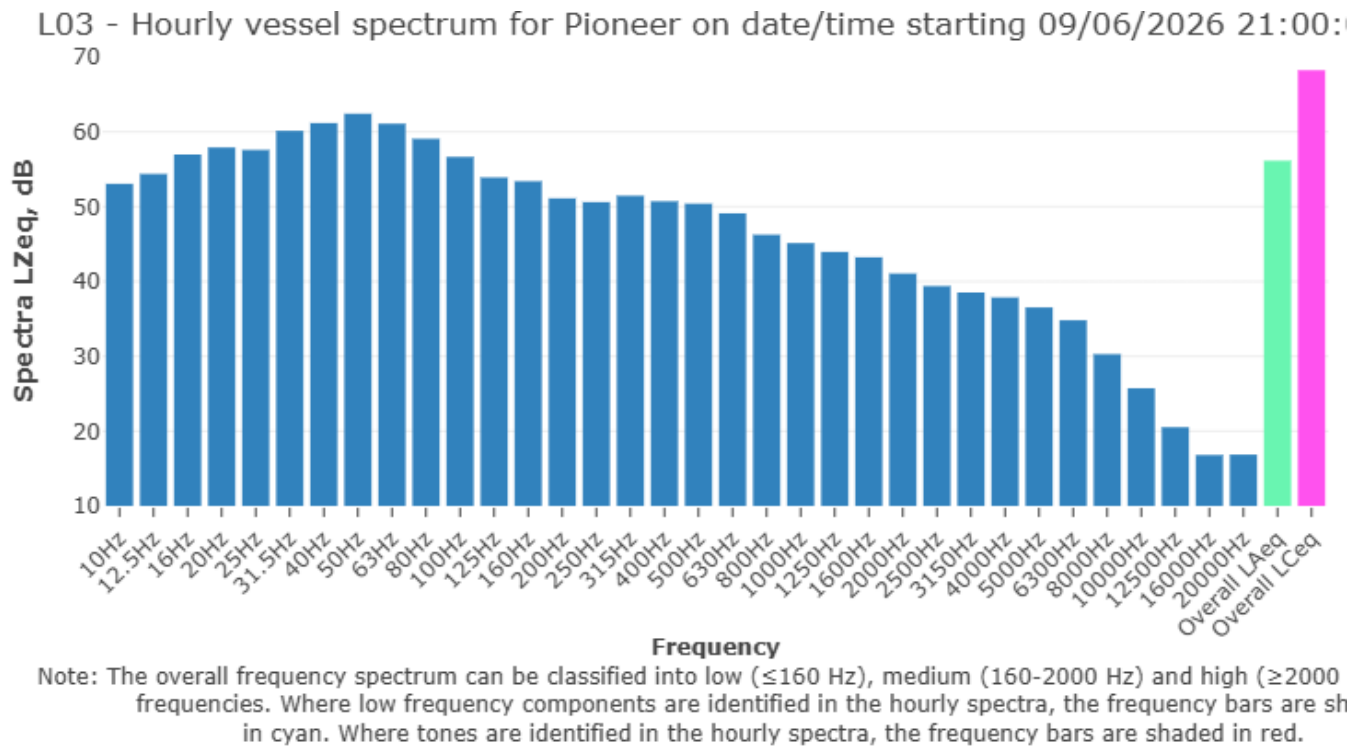


Figure 3.1 Typical vessel spectrum – noise level at L03

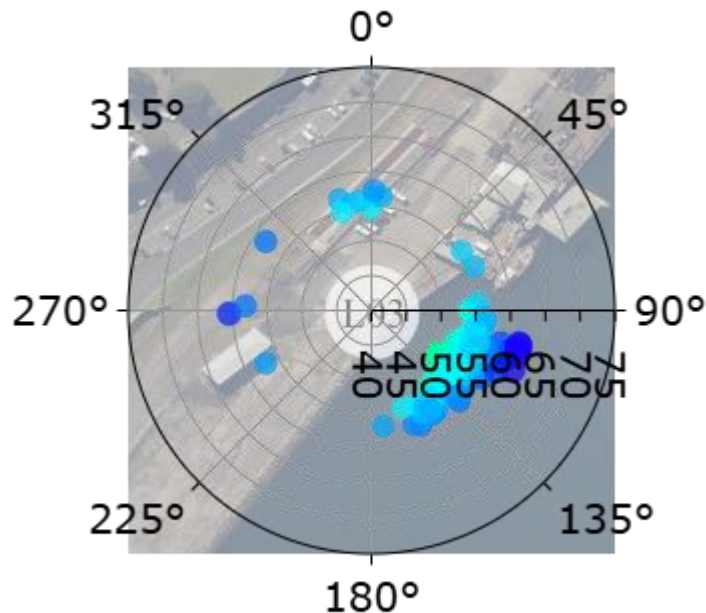


Figure 3.2 Typical vessel polar (directional) plot

3.2 Akuna (GLB8) – June 16, 2026 – June 18, 2026

3.2.1 Daily noise monitoring results

Date	Time period ¹	Monitor location	Noise descriptor	Vessel noise level dBA ²	Tonal	LFN ³	Vessel Noise Trigger Levels, dBA	Compliance
June 16, 2026	Day	L03	L _{Aeq} , 15 hour ¹	53	No	Yes	60	Yes
	Night		L _{Aeq} , 1 hour ¹	46	No	Yes	55	Yes
			L _{Amax}	60	-	-	65	Yes
June 17, 2026	Day	L03	L _{Aeq} , 15 hour ¹	54	No	Yes	60	Yes
	Night		L _{Aeq} , 1 hour ¹	48	No	Yes	55	Yes
			L _{Amax}	61	-	-	65	Yes
June 18, 2026	Day	L03	L _{Aeq} , 15 hour ¹	54	Yes	No	60	Yes
	Night		L _{Aeq} , 1 hour ¹	48	Yes	No	55	Yes
			L _{Amax}	68 ⁴	-	-	65	No

Notes:

1) Daytime period (7 am to 10 pm) – 15 hours

Night-time period (10 pm to 7 am) – worst case 1 hour

2) Inclusive of any penalties for modifying factors

3) LFN = Low Frequency Noise

4) This maximum noise level event occurred once during the night time period at 6:33am. Given the exceedance only occurred once, and the vessel was compliant at all other times on this date, this is not considered a significant exceedance.

3.2.2 Additional information

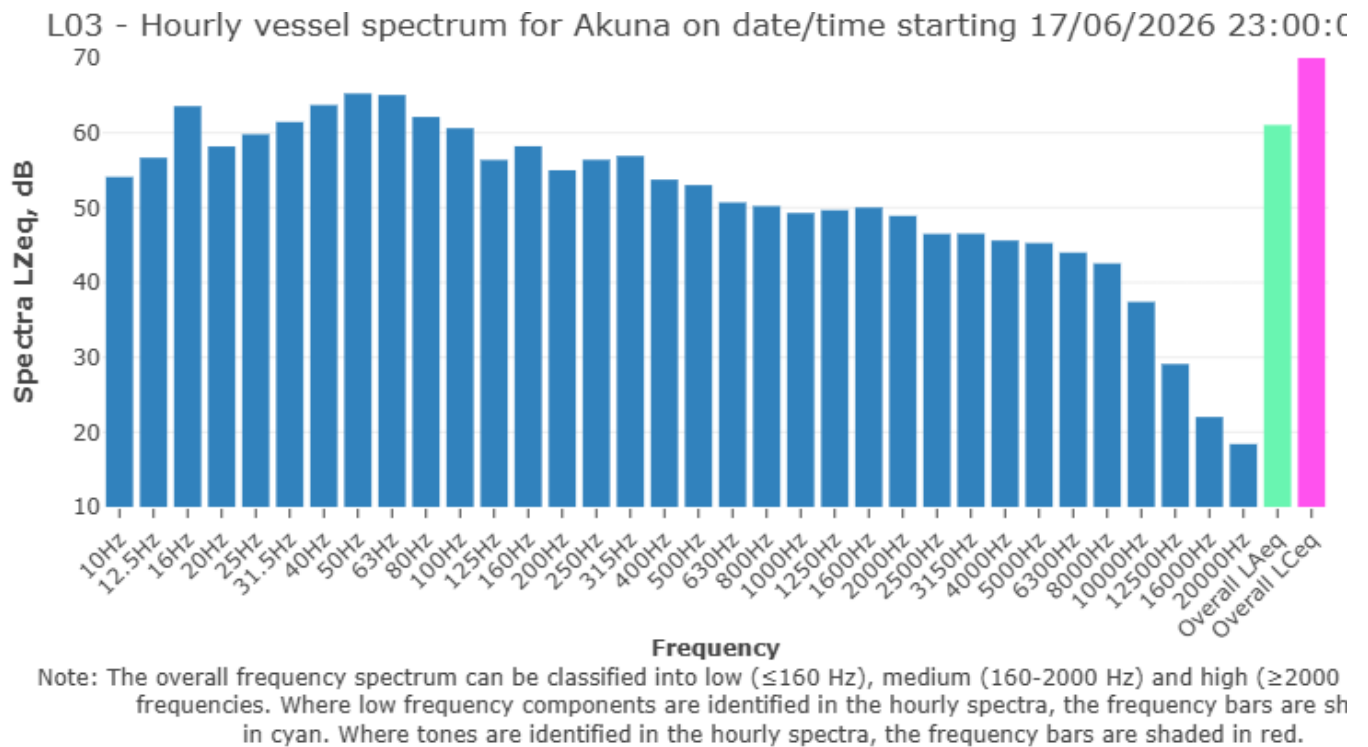


Figure 3.3 Typical vessel spectrum – noise level at L03

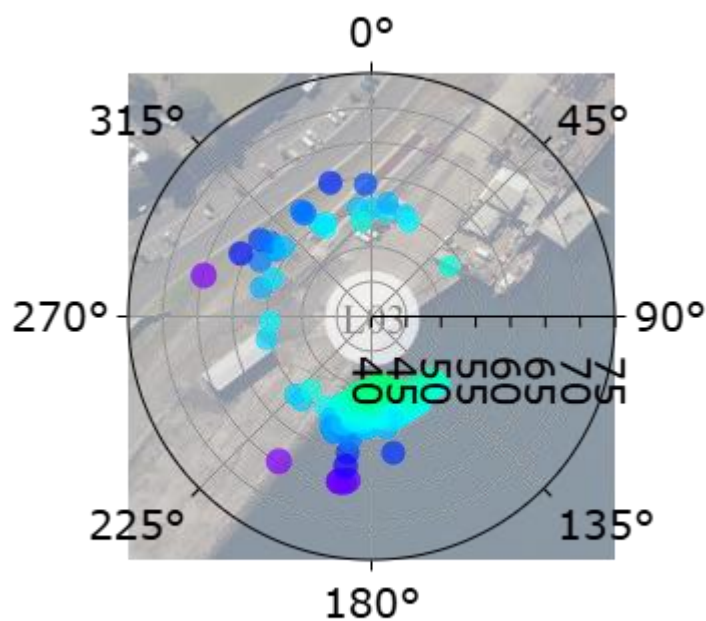


Figure 3.4 Typical vessel polar (directional) plot

3.3 CSL Reliance (GLB7) – June 19, 2026 – June 22, 2026

3.3.1 Daily noise monitoring results

Date	Time period ¹	Monitor location	Noise descriptor	Vessel noise level dBA ²	Tonal	LFN ³	Vessel Noise Trigger Levels, dBA	Compliance
June 19, 2026	Day	L03	L _{Aeq} , 15 hour ¹	55	No	Yes	60	Yes
	Night		L _{Aeq} , 1 hour ¹	55	No	Yes	55	Yes
			L _{Amax}	69 ⁴	-	-	65	No
June 20, 2026	Day	L03	L _{Aeq} , 15 hour ¹	-	-	-	60	-
	Night		L _{Aeq} , 1 hour ¹	52	No	Yes	55	Yes
			L _{Amax}	61	-	-	65	Yes
June 21, 2026	Day	L03	L _{Aeq} , 15 hour ¹	55	No	Yes	60	Yes
	Night		L _{Aeq} , 1 hour ¹	52	No	Yes	55	Yes
			L _{Amax}	59	-	-	65	Yes
June 22, 2026	Day	L03	L _{Aeq} , 15 hour ¹	57	No	Yes	60	Yes
	Night		L _{Aeq} , 1 hour ¹	51	No	Yes	55	Yes
			L _{Amax}	60	-	-	65	Yes

Notes:

1) Daytime period (7 am to 10 pm) – 15 hours

Night-time period (10 pm to 7 am) – worst case 1 hour

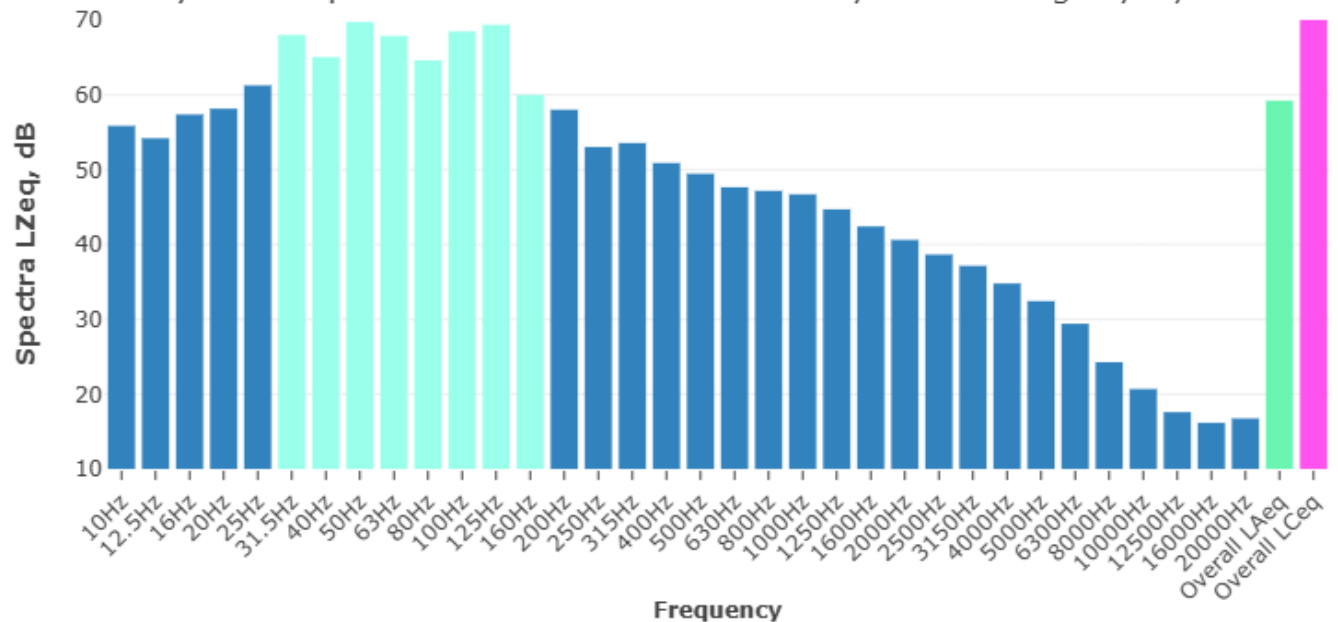
2) Inclusive of any penalties for modifying factors

3) LFN = Low Frequency Noise

4) This maximum noise level event occurred once during the night time period at 5:26am. Given the exceedance only occurred once, and the vessel was compliant at all other times on this date, this is not considered a significant exceedance.

3.3.2 Additional information

L03 - Hourly vessel spectrum for CSL Reliance on date/time starting 21/06/2026 20:0



Note: The overall frequency spectrum can be classified into low (≤ 160 Hz), medium (160-2000 Hz) and high (≥ 2000 Hz) frequencies. Where low frequency components are identified in the hourly spectra, the frequency bars are shaded in cyan. Where tones are identified in the hourly spectra, the frequency bars are shaded in red.

Figure 3.5 Typical vessel spectrum – noise level at L03

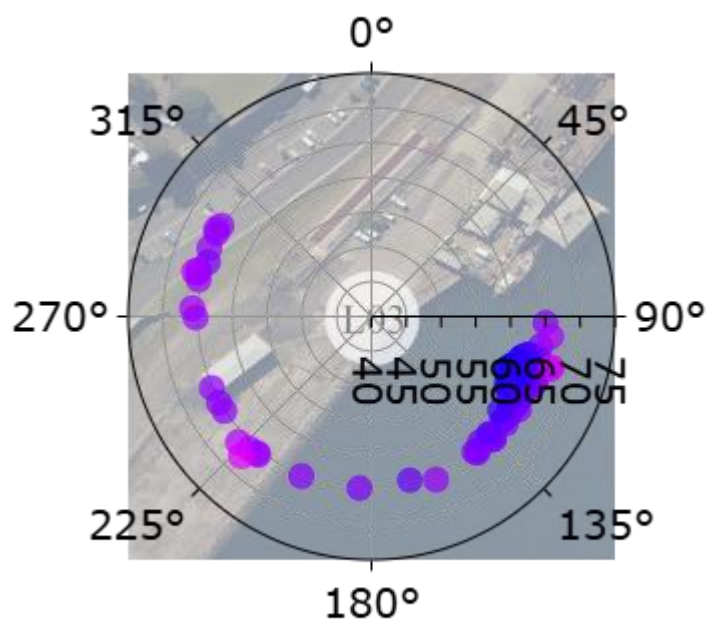


Figure 3.6 Typical vessel polar (directional) plot

3.4 Hoshin Maru No. 62 (WHT4) – June 20 – June 21, 2026

3.4.1 Daily noise monitoring results

Date	Time period ¹	Monitor location	Noise descriptor	Vessel noise level dBA ²	Tonal	LFN ³	Vessel Noise Trigger Levels, dBA	Compliance
June 20, 2026	Day	L02	L _{Aeq} , 15 hour ¹	55	Yes	No	60	Yes
	Night		L _{Aeq} , 1 hour ¹	56 ⁴	Yes	No	55	No
			L _{Amax}	54	-	-	65	Yes
June 21, 2026	Day	L02	L _{Aeq} , 15 hour ¹	57	No	No	60	Yes
	Night		L _{Aeq} , 1 hour ¹	50	No	No	55	Yes
			L _{Amax}	53	-	-	65	Yes

Notes:

1) Daytime period (7 am to 10 pm) – 15 hours

Night-time period (10 pm to 7 am) – worst case 1 hour

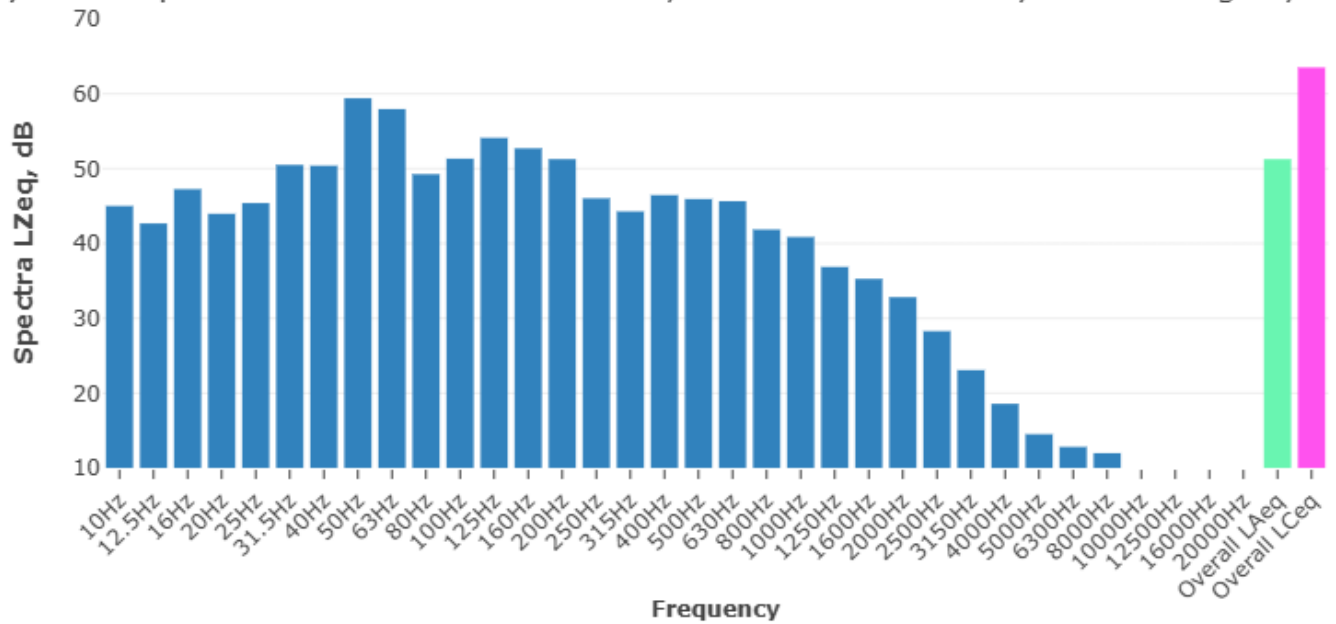
2) Inclusive of any penalties for modifying factors

3) LFN = Low Frequency Noise

4) Measurements determined that noise was tonal at 3150 Hz for a 1-hour period between 10pm and 11pm on June 20th. Based on a review of the data it is likely that this originated from the vessel. Given the short duration, it is unlikely this would result in an adverse impact.

3.4.2 Additional information

Typical vessel spectrum for Hoshin Maru No. 62, CSL Reliance on date/time starting 20/06,



Note: The overall frequency spectrum can be classified into low (≤ 160 Hz), medium (160-2000 Hz) and high (≥ 2000 Hz) frequencies. Where low frequency components are identified in the hourly spectra, the frequency bars are shaded in cyan. Where tones are identified in the hourly spectra, the frequency bars are shaded in red.

Figure 3.7 Typical vessel spectrum – noise level at L02

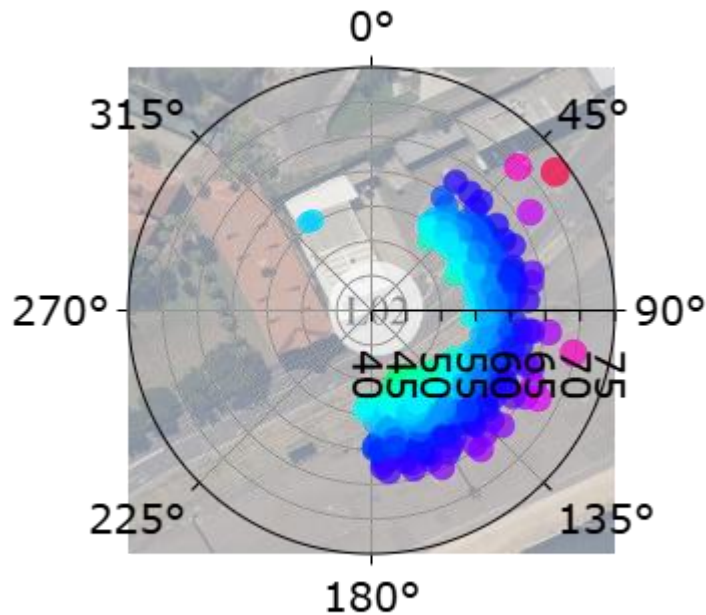


Figure 3.8 Typical vessel polar (directional) plot



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