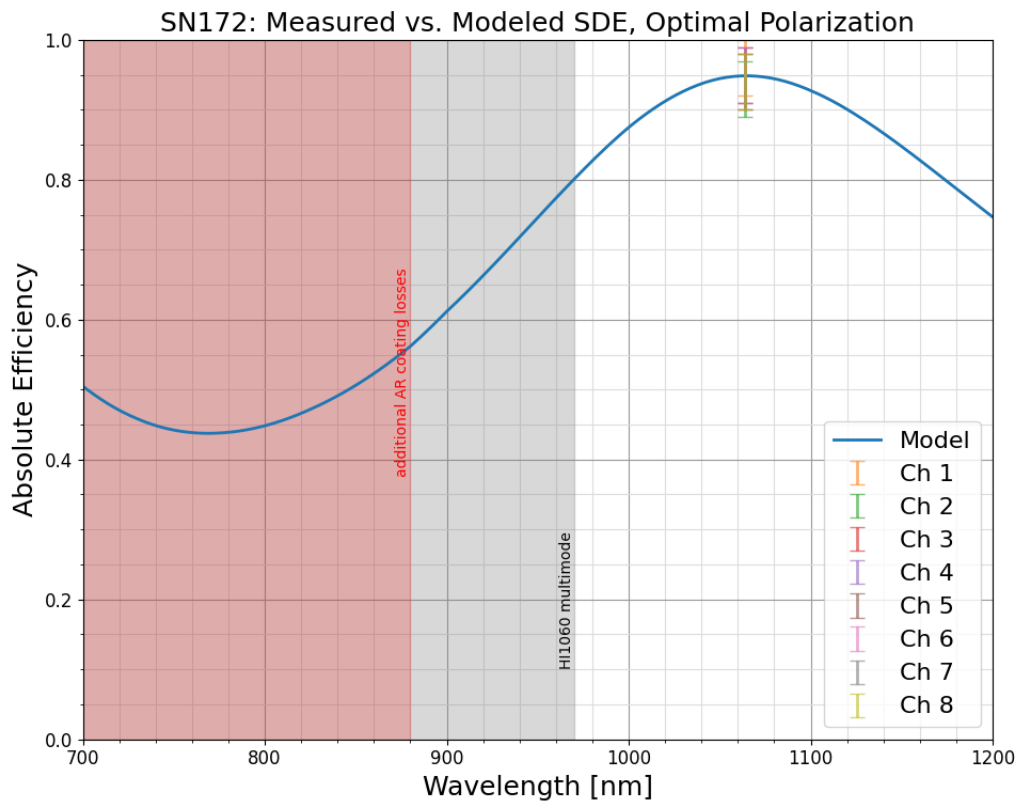




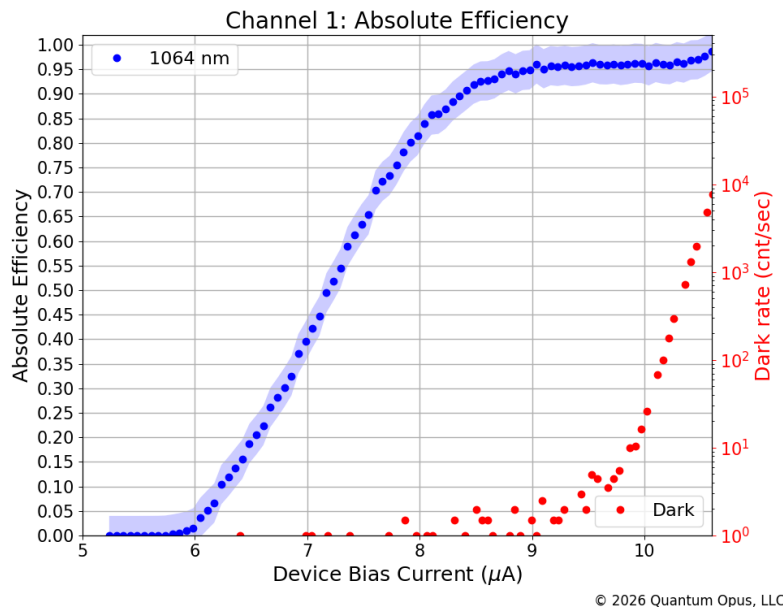
Opus One Portable G0NK033 Channel Summary

Number of Channels: 8



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Channel Information		Measurement		
Optical Ch	1	Operating Temperature		2.2 K
Electrical Ch	1	Operating Current		9.9 μ A
Wavelength	1064 nm	Dark Count Rate ¹		10 cps
Fiber Type	HI1060	Absolute Efficiency ²	1064 nm	96 %
Output Pulse	Digital			
Output Voltage	1.0 V	Recovery Time ³ 1064 nm	10 %	37 ns
Circuit	Anti-latch High Count Rate with Cryoamp		50 %	47 ns
			90 %	62 ns
		Timing Jitter ⁴		30 ps



¹Dark Counts measured with the fiber port blocked with a protective cap to shield the system from stray light.

²Absolute Efficiency measured using a CW optical source at a count rate <300 kcps. For measurements in the range of 1260–1600 nm there is a $\pm 2\%$ uncertainty, otherwise it is $\pm 4\%$.

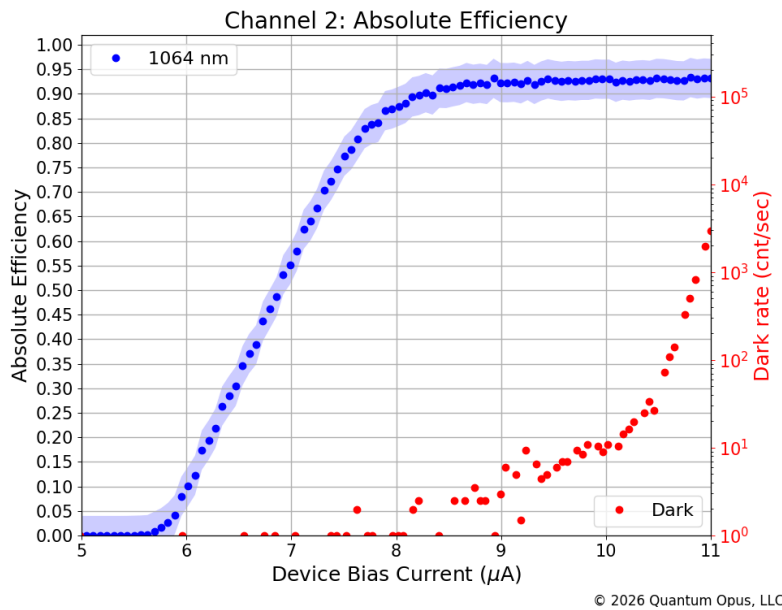
³For details on recovery time measurement see: <https://quantumopus.com/dl/Oshiro2025.pdf>.

⁴FWHM. Deconvolved from autocorrelation measurement with 9 ps time-tagger measurement jitter, 6 ps 1030 nm optical pulse. Estimated ± 2 ps error.

Further details on measurements are available upon request.

For system support, maintenance, or upgrades contact support@quantumopus.com.

Channel Information		Measurement		
Optical Ch	2	Operating Temperature		2.2 K
Electrical Ch	2	Operating Current		10.0 μ A
Wavelength	1064 nm	Dark Count Rate ¹		10 cps
Fiber Type	HI1060	Absolute Efficiency ²	1064 nm	93 %
Output Pulse	Digital			
Output Voltage	1.0 V	Recovery Time ³ 1064 nm	10 %	36 ns
Circuit	Anti-latch High Count Rate with Cryoamp		50 %	44 ns
			90 %	56 ns
		Timing Jitter ⁴		29 ps



¹Dark Counts measured with the fiber port blocked with a protective cap to shield the system from stray light.

²Absolute Efficiency measured using a CW optical source at a count rate <300 kcps. For measurements in the range of 1260–1600 nm there is a $\pm 2\%$ uncertainty, otherwise it is $\pm 4\%$.

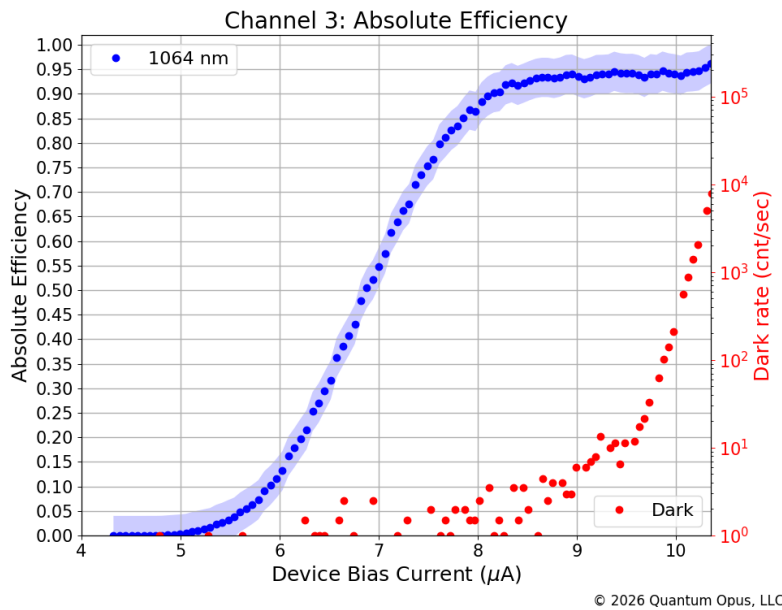
³For details on recovery time measurement see: <https://quantumopus.com/dl/Oshiro2025.pdf>.

⁴FWHM. Deconvolved from autocorrelation measurement with 9 ps time-tagger measurement jitter, 6 ps 1030 nm optical pulse. Estimated ± 2 ps error.

Further details on measurements are available upon request.

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Channel Information		Measurement		
Optical Ch	3	Operating Temperature		2.2 K
Electrical Ch	3	Operating Current		9.4 μ A
Wavelength	1064 nm	Dark Count Rate ¹		10 cps
Fiber Type	HI1060	Absolute Efficiency ²	1064 nm	94 %
Output Pulse	Digital			
Output Voltage	1.0 V	Recovery Time ³ 1064 nm	10 %	38 ns
Circuit	Anti-latch High Count Rate with Cryoamp		50 %	48 ns
			90 %	64 ns
		Timing Jitter ⁴		32 ps



¹Dark Counts measured with the fiber port blocked with a protective cap to shield the system from stray light.

²Absolute Efficiency measured using a CW optical source at a count rate <300 kcps. For measurements in the range of 1260–1600 nm there is a $\pm 2\%$ uncertainty, otherwise it is $\pm 4\%$.

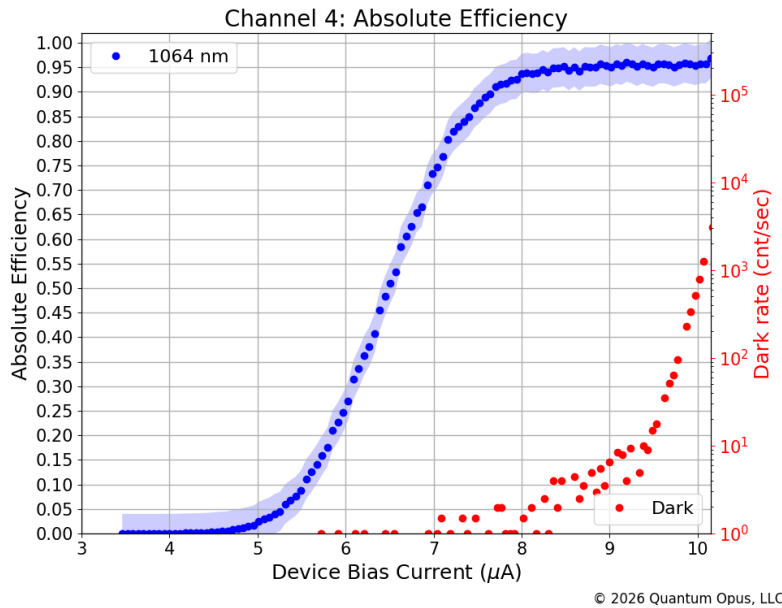
³For details on recovery time measurement see: <https://quantumopus.com/dl/Oshiro2025.pdf>.

⁴FWHM. Deconvolved from autocorrelation measurement with 9 ps time-tagger measurement jitter, 6 ps 1030 nm optical pulse. Estimated ± 2 ps error.

Further details on measurements are available upon request.

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Channel Information		Measurement		
Optical Ch	4	Operating Temperature		2.2 K
Electrical Ch	4	Operating Current		9.4 μA
Wavelength	1064 nm	Dark Count Rate ¹		10 cps
Fiber Type	HI1060	Absolute Efficiency ²	1064 nm	95 %
Output Pulse	Digital	Recovery Time ³ 1064 nm	10 %	39 ns
Output Voltage	1.0 V		50 %	48 ns
Circuit	Anti-latch High Count Rate with Cryoamp		90 %	59 ns
		Timing Jitter ⁴		30 ps



¹Dark Counts measured with the fiber port blocked with a protective cap to shield the system from stray light.

²Absolute Efficiency measured using a CW optical source at a count rate <300 kcps. For measurements in the range of 1260–1600 nm there is a $\pm 2\%$ uncertainty, otherwise it is $\pm 4\%$.

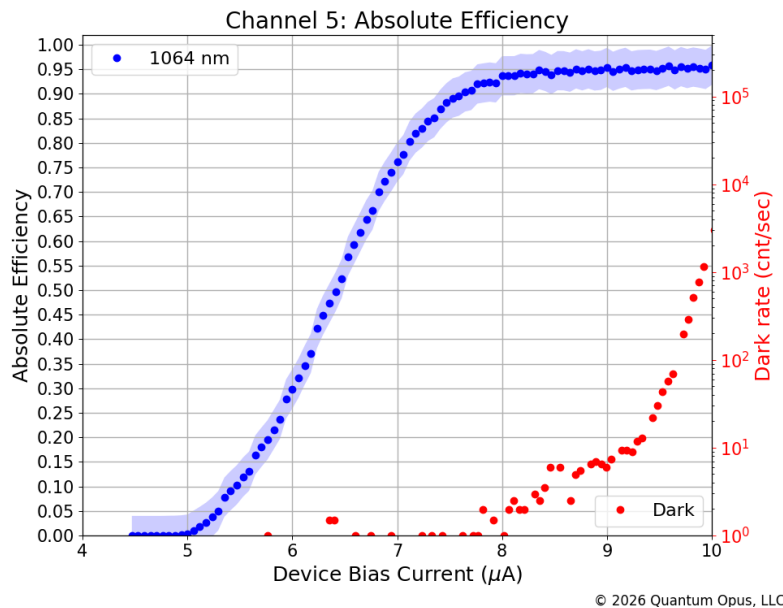
³For details on recovery time measurement see: <https://quantumopus.com/dl/Oshiro2025.pdf>.

⁴FWHM. Deconvolved from autocorrelation measurement with 9 ps time-tagger measurement jitter, 6 ps 1030 nm optical pulse. Estimated ± 2 ps error.

Further details on measurements are available upon request.

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Channel Information		Measurement		
Optical Ch	5	Operating Temperature		2.2 K
Electrical Ch	5	Operating Current		9.2 μ A
Wavelength	1064 nm	Dark Count Rate ¹		10 cps
Fiber Type	HI1060	Absolute Efficiency ²	1064 nm	95 %
Output Pulse	Digital			
Output Voltage	1.0 V	Recovery Time ³ 1064 nm	10 %	37 ns
Circuit	Anti-latch High Count Rate with Cryoamp		50 %	47 ns
			90 %	60 ns
		Timing Jitter ⁴		34 ps



¹Dark Counts measured with the fiber port blocked with a protective cap to shield the system from stray light.

²Absolute Efficiency measured using a CW optical source at a count rate <300 kcps. For measurements in the range of 1260–1600 nm there is a $\pm 2\%$ uncertainty, otherwise it is $\pm 4\%$.

³For details on recovery time measurement see: <https://quantumopus.com/dl/Oshiro2025.pdf>.

⁴FWHM. Deconvolved from autocorrelation measurement with 9 ps time-tagger measurement jitter, 6 ps 1030 nm optical pulse. Estimated ± 2 ps error.

Further details on measurements are available upon request.

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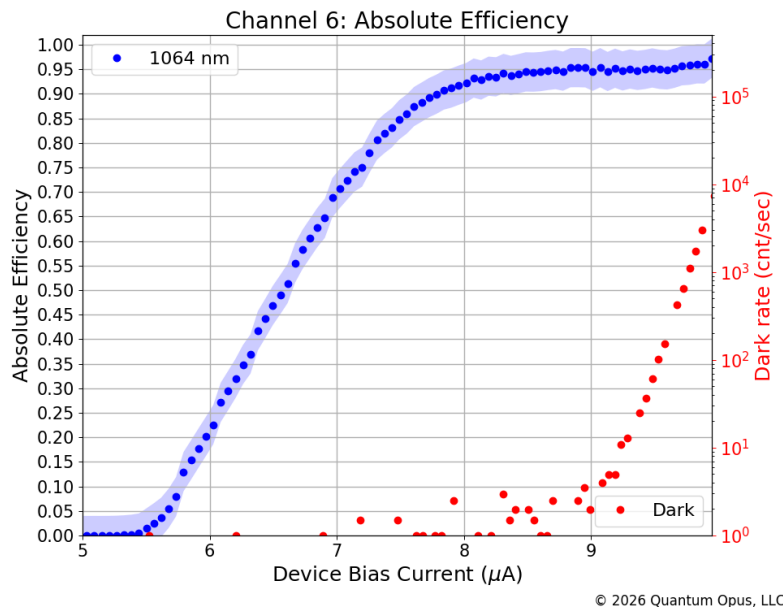


SNSPD Test Report

G0NK033

C05254-1207B-D1027

Channel Information		Measurement		
Optical Ch	6	Operating Temperature		2.2 K
Electrical Ch	6	Operating Current		9.2 μ A
Wavelength	1064 nm	Dark Count Rate ¹		10 cps
Fiber Type	HI1060	Absolute Efficiency ²	1064 nm	95 %
Output Pulse	Digital			
Output Voltage	1.0 V	Recovery Time ³ 1064 nm	10 %	38 ns
Circuit	Anti-latch High Count Rate with Cryoamp		50 %	49 ns
			90 %	64 ns
		Timing Jitter ⁴		32 ps



¹Dark Counts measured with the fiber port blocked with a protective cap to shield the system from stray light.

²Absolute Efficiency measured using a CW optical source at a count rate <300 kcps. For measurements in the range of 1260–1600 nm there is a $\pm 2\%$ uncertainty, otherwise it is $\pm 4\%$.

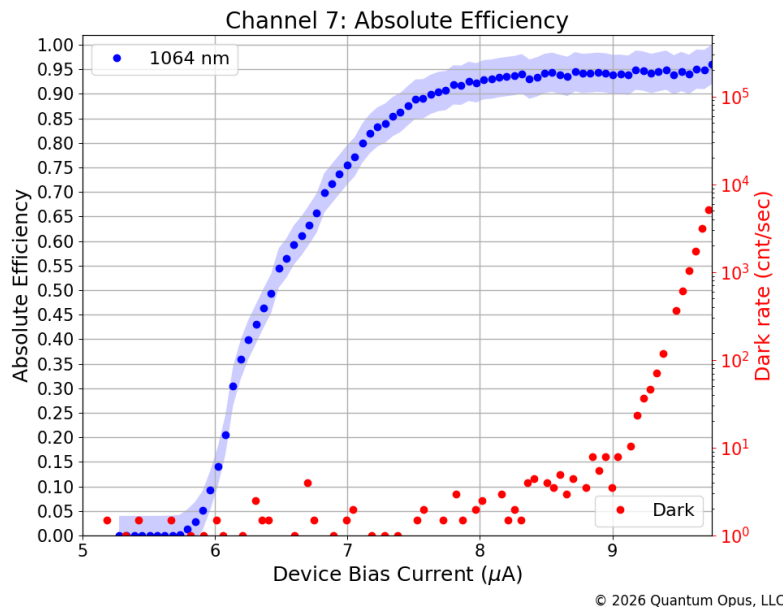
³For details on recovery time measurement see: <https://quantumopus.com/dl/Oshiro2025.pdf>.

⁴FWHM. Deconvolved from autocorrelation measurement with 9 ps time-tagger measurement jitter, 6 ps 1030 nm optical pulse. Estimated ± 2 ps error.

Further details on measurements are available upon request.

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Channel Information		Measurement		
Optical Ch	7	Operating Temperature		2.2 K
Electrical Ch	7	Operating Current		9.0 μ A
Wavelength	1064 nm	Dark Count Rate ¹		10 cps
Fiber Type	HI1060	Absolute Efficiency ²	1064 nm	94 %
Output Pulse	Digital			
Output Voltage	1.0 V	Recovery Time ³ 1064 nm	10 %	37 ns
Circuit	Anti-latch High Count Rate with Cryoamp		50 %	48 ns
			90 %	61 ns
		Timing Jitter ⁴		31 ps



¹Dark Counts measured with the fiber port blocked with a protective cap to shield the system from stray light.

²Absolute Efficiency measured using a CW optical source at a count rate <300 kcps. For measurements in the range of 1260–1600 nm there is a $\pm 2\%$ uncertainty, otherwise it is $\pm 4\%$.

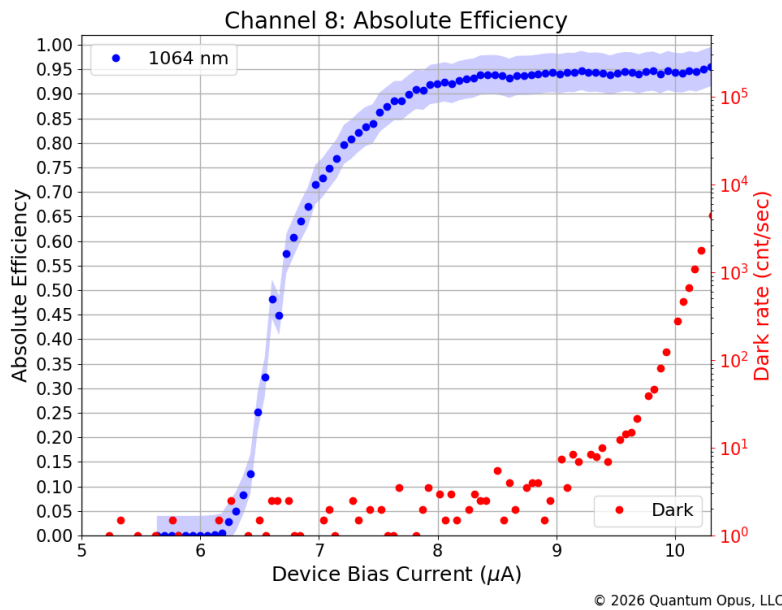
³For details on recovery time measurement see: <https://quantumopus.com/dl/Oshiro2025.pdf>.

⁴FWHM. Deconvolved from autocorrelation measurement with 9 ps time-tagger measurement jitter, 6 ps 1030 nm optical pulse. Estimated ± 2 ps error.

Further details on measurements are available upon request.

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Channel Information		Measurement		
Optical Ch	8	Operating Temperature		2.2 K
Electrical Ch	8	Operating Current		9.4 μA
Wavelength	1064 nm	Dark Count Rate ¹		10 cps
Fiber Type	HI1060	Absolute Efficiency ²	1064 nm	94 %
Output Pulse	Digital	Recovery Time ³ 1064 nm	10 %	36 ns
Output Voltage	1.0 V		50 %	46 ns
Circuit	Anti-latch High Count Rate with Cryoamp		90 %	57 ns
		Timing Jitter ⁴		31 ps



¹Dark Counts measured with the fiber port blocked with a protective cap to shield the system from stray light.

²Absolute Efficiency measured using a CW optical source at a count rate <300 kcps. For measurements in the range of 1260–1600 nm there is a $\pm 2\%$ uncertainty, otherwise it is $\pm 4\%$.

³For details on recovery time measurement see: <https://quantumopus.com/dl/Oshiro2025.pdf>.

⁴FWHM. Deconvolved from autocorrelation measurement with 9 ps time-tagger measurement jitter, 6 ps 1030 nm optical pulse. Estimated ± 2 ps error.

Further details on measurements are available upon request.

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