



CVE-2022-22057

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

Summary

| | |
|------------------------|--|
| CVE | CVE-2022-22057 |
| State | PUBLIC |
| Assigner | product-security@qualcomm.com |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2022-06-14 10:15:00 UTC |
| Updated | 2023-08-08 14:22:00 UTC |
| Description | Use after free in graphics fence due to a race condition while closing fence file descriptor and destroy graphics timeline sim |

Risk And Classification

Problem Types: CWE-362

NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|------------------|--------------------------|-----------------------------------|---------|--------|---------|----------|
| Hardware | Qualcomm | Apq8053 | - | All | All | All |
| Operating System | Qualcomm | Apq8053 Firmware | - | All | All | All |
| Hardware | Qualcomm | Ar8035 | - | All | All | All |
| Operating System | Qualcomm | Ar8035 Firmware | - | All | All | All |
| Hardware | Qualcomm | Msm8953 | - | All | All | All |
| Operating System | Qualcomm | Msm8953 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca6174a | - | All | All | All |
| Operating System | Qualcomm | Qca6174a Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca6390 | - | All | All | All |
| Operating System | Qualcomm | Qca6390 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca6391 | - | All | All | All |
| Operating System | Qualcomm | Qca6391 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca6426 | - | All | All | All |
| Operating System | Qualcomm | Qca6426 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca6436 | - | All | All | All |
| Operating System | Qualcomm | Qca6436 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca6595au | - | All | All | All |

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|------------------|----------|----------------------|---|-----|-----|-----|
| Operating System | Qualcomm | Qca6595au Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca8081 | - | All | All | All |
| Operating System | Qualcomm | Qca8081 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca8337 | - | All | All | All |
| Operating System | Qualcomm | Qca8337 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qca9377 | - | All | All | All |
| Operating System | Qualcomm | Qca9377 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcm2290 | - | All | All | All |
| Operating System | Qualcomm | Qcm2290 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcm4290 | - | All | All | All |
| Operating System | Qualcomm | Qcm4290 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcm6490 | - | All | All | All |
| Operating System | Qualcomm | Qcm6490 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcs2290 | - | All | All | All |
| Operating System | Qualcomm | Qcs2290 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcs4290 | - | All | All | All |
| Operating System | Qualcomm | Qcs4290 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qcs6490 | - | All | All | All |
| Operating System | Qualcomm | Qcs6490 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qrb5165 | - | All | All | All |
| Hardware | Qualcomm | Qrb5165m | - | All | All | All |
| Operating System | Qualcomm | Qrb5165m Firmware | - | All | All | All |
| Hardware | Qualcomm | Qrb5165n | - | All | All | All |
| Operating System | Qualcomm | Qrb5165n Firmware | - | All | All | All |
| Operating System | Qualcomm | Qrb5165 Firmware | - | All | All | All |
| Hardware | Qualcomm | Qualcomm215 | - | All | All | All |
| Operating System | Qualcomm | Qualcomm215 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sa6155p | - | All | All | All |
| Operating System | Qualcomm | Sa6155p Firmware | - | All | All | All |
| Hardware | Qualcomm | Sa8155p | - | All | All | All |
| Operating System | Qualcomm | Sa8155p Firmware | - | All | All | All |
| Hardware | Qualcomm | Sa8195p | - | All | All | All |
| Operating System | Qualcomm | Sa8195p Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd439 | - | All | All | All |
| Operating System | Qualcomm | Sd439 Firmware | - | All | All | All |

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|------------------|----------|-------------------|---|-----|-----|-----|
| Hardware | Qualcomm | Sd460 | - | All | All | All |
| Operating System | Qualcomm | Sd460 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd480 | - | All | All | All |
| Operating System | Qualcomm | Sd480 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd662 | - | All | All | All |
| Operating System | Qualcomm | Sd662 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd680 | - | All | All | All |
| Operating System | Qualcomm | Sd680 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd690 5g | - | All | All | All |
| Operating System | Qualcomm | Sd690 5g Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd695 | - | All | All | All |
| Operating System | Qualcomm | Sd695 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd750g | - | All | All | All |
| Operating System | Qualcomm | Sd750g Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd765 | - | All | All | All |
| Hardware | Qualcomm | Sd765g | - | All | All | All |
| Operating System | Qualcomm | Sd765g Firmware | - | All | All | All |
| Operating System | Qualcomm | Sd765 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd768g | - | All | All | All |
| Operating System | Qualcomm | Sd768g Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd778g | - | All | All | All |
| Operating System | Qualcomm | Sd778g Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd780g | - | All | All | All |
| Operating System | Qualcomm | Sd780g Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd865 5g | - | All | All | All |
| Operating System | Qualcomm | Sd865 5g Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd870 | - | All | All | All |
| Operating System | Qualcomm | Sd870 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd888 | - | All | All | All |
| Hardware | Qualcomm | Sd888 5g | - | All | All | All |
| Operating System | Qualcomm | Sd888 5g Firmware | - | All | All | All |
| Operating System | Qualcomm | Sd888 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sdx12 | - | All | All | All |
| Operating System | Qualcomm | Sdx12 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sdx55m | - | All | All | All |

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|------------------|----------|-----------------------|---|-----|-----|-----|
| Operating System | Qualcomm | Sdx55m Firmware | - | All | All | All |
| Hardware | Qualcomm | Sdx65 | - | All | All | All |
| Operating System | Qualcomm | Sdx65 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sdxr2 5g | - | All | All | All |
| Operating System | Qualcomm | Sdxr2 5g Firmware | - | All | All | All |
| Hardware | Qualcomm | Sd 8 Gen1 5g | - | All | All | All |
| Operating System | Qualcomm | Sd 8 Gen1 5g Firmware | - | All | All | All |
| Hardware | Qualcomm | Sm7250p | - | All | All | All |
| Operating System | Qualcomm | Sm7250p Firmware | - | All | All | All |
| Hardware | Qualcomm | Sm7315 | - | All | All | All |
| Operating System | Qualcomm | Sm7315 Firmware | - | All | All | All |
| Hardware | Qualcomm | Sm7325p | - | All | All | All |
| Operating System | Qualcomm | Sm7325p Firmware | - | All | All | All |
| Hardware | Qualcomm | Sm8475 | - | All | All | All |
| Hardware | Qualcomm | Sw5100 | - | All | All | All |
| Hardware | Qualcomm | Sw5100p | - | All | All | All |
| Operating System | Qualcomm | Sw5100p Firmware | - | All | All | All |
| Operating System | Qualcomm | Sw5100 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcd9326 | - | All | All | All |
| Operating System | Qualcomm | Wcd9326 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcd9335 | - | All | All | All |
| Operating System | Qualcomm | Wcd9335 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcd9341 | - | All | All | All |
| Operating System | Qualcomm | Wcd9341 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcd9370 | - | All | All | All |
| Operating System | Qualcomm | Wcd9370 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcd9375 | - | All | All | All |
| Operating System | Qualcomm | Wcd9375 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcd9380 | - | All | All | All |
| Operating System | Qualcomm | Wcd9380 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcd9385 | - | All | All | All |
| Operating System | Qualcomm | Wcd9385 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn3615 | - | All | All | All |
| Operating System | Qualcomm | Wcn3615 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn3660b | - | All | All | All |
| Operating System | Qualcomm | Wcn3660b Firmware | - | All | All | All |

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|------------------|----------|-------------------|---|-----|-----|-----|
| Hardware | Qualcomm | Wcn3680b | - | All | All | All |
| Operating System | Qualcomm | Wcn3680b Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn3910 | - | All | All | All |
| Operating System | Qualcomm | Wcn3910 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn3950 | - | All | All | All |
| Operating System | Qualcomm | Wcn3950 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn3980 | - | All | All | All |
| Operating System | Qualcomm | Wcn3980 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn3988 | - | All | All | All |
| Operating System | Qualcomm | Wcn3988 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn3991 | - | All | All | All |
| Operating System | Qualcomm | Wcn3991 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn3998 | - | All | All | All |
| Operating System | Qualcomm | Wcn3998 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn6740 | - | All | All | All |
| Operating System | Qualcomm | Wcn6740 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn6750 | - | All | All | All |
| Operating System | Qualcomm | Wcn6750 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn6850 | - | All | All | All |
| Operating System | Qualcomm | Wcn6850 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn6851 | - | All | All | All |
| Operating System | Qualcomm | Wcn6851 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn6855 | - | All | All | All |
| Operating System | Qualcomm | Wcn6855 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn6856 | - | All | All | All |
| Operating System | Qualcomm | Wcn6856 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn7850 | - | All | All | All |
| Operating System | Qualcomm | Wcn7850 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wcn7851 | - | All | All | All |
| Operating System | Qualcomm | Wcn7851 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wsa8810 | - | All | All | All |
| Operating System | Qualcomm | Wsa8810 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wsa8815 | - | All | All | All |
| Operating System | Qualcomm | Wsa8815 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wsa8830 | - | All | All | All |

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|------------------|----------|------------------|---|-----|-----|-----|
| Operating System | Qualcomm | Wsa8830 Firmware | - | All | All | All |
| Hardware | Qualcomm | Wsa8835 | - | All | All | All |
| Operating System | Qualcomm | Wsa8835 Firmware | - | All | All | All |

References

| Reference | Source | Link | Tags |
|--|---------|--|---------------------|
| Qualcomm Documentation | CONFIRM | www.qualcomm.com | |
| Qualcomm kgsl Driver Use-After-Free ≈ Packet Storm | MISC | packetstormsecurity.com | |
| CVE Program record | CVE.ORG | www.cve.org | canonical |
| NVD vulnerability detail | NVD | nvd.nist.gov | canonical, analysis |

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

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| 610413 Google Android Devices May 2022 Security Patch Missing |
| 610419 Google Android June 2022 Security Patch Missing for Samsung |
| 610420 Google Android June 2022 Security Patch Missing for Huawei EMUI |

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