



# CVE-2021-1971

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

## Summary

<b>CVE</b>	CVE-2021-1971
<b>State</b>	PUBLIC
<b>Assigner</b>	product-security@qualcomm.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2021-09-09 08:15:00 UTC
<b>Updated</b>	2021-09-22 14:18:00 UTC
<b>Description</b>	Possible assertion due to lack of physical layer state validation in Snapdragon Auto, Snapdragon Compute, Snapdragon Co

## Risk And Classification

**Problem Types:** CWE-617

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware	<a href="#">Qualcomm</a>	<a href="#">Aqt1000</a>	-	All	All	All
Operating System	<a href="#">Qualcomm</a>	<a href="#">Aqt1000 Firmware</a>	-	All	All	All
Hardware	<a href="#">Qualcomm</a>	<a href="#">Ar8035</a>	-	All	All	All
Operating System	<a href="#">Qualcomm</a>	<a href="#">Ar8035 Firmware</a>	-	All	All	All
Hardware	<a href="#">Qualcomm</a>	<a href="#">Csr8811</a>	-	All	All	All
Operating System	<a href="#">Qualcomm</a>	<a href="#">Csr8811 Firmware</a>	-	All	All	All
Hardware	<a href="#">Qualcomm</a>	<a href="#">Csr31024</a>	-	All	All	All
Operating System	<a href="#">Qualcomm</a>	<a href="#">Csr31024 Firmware</a>	-	All	All	All
Hardware	<a href="#">Qualcomm</a>	<a href="#">Ippq5010</a>	-	All	All	All
Operating System	<a href="#">Qualcomm</a>	<a href="#">Ippq5010 Firmware</a>	-	All	All	All
Hardware	<a href="#">Qualcomm</a>	<a href="#">Ippq5018</a>	-	All	All	All
Operating System	<a href="#">Qualcomm</a>	<a href="#">Ippq5018 Firmware</a>	-	All	All	All
Hardware	<a href="#">Qualcomm</a>	<a href="#">Ippq6000</a>	-	All	All	All
Operating System	<a href="#">Qualcomm</a>	<a href="#">Ippq6000 Firmware</a>	-	All	All	All
Hardware	<a href="#">Qualcomm</a>	<a href="#">Ippq6005</a>	-	All	All	All
Operating System	<a href="#">Qualcomm</a>	<a href="#">Ippq6005 Firmware</a>	-	All	All	All
Hardware	<a href="#">Qualcomm</a>	<a href="#">Ippq6010</a>	-	All	All	All

Operating System	Qualcomm	<a href="#">Ippq6010 Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Ippq6018</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Ippq6018 Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Ippq6028</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Ippq6028 Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Ippq8070</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Ippq8070a</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Ippq8070a Firmware</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Ippq8070 Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Ippq8071</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Ippq8071a</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Ippq8071a Firmware</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Ippq8071 Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Ippq8072</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Ippq8072a</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Ippq8072a Firmware</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Ippq8072 Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Ippq8074</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Ippq8074a</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Ippq8074a Firmware</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Ippq8074 Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Ippq8076</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Ippq8076a</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Ippq8076a Firmware</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Ippq8076 Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Ippq8078</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Ippq8078a</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Ippq8078a Firmware</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Ippq8078 Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Ippq8173</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Ippq8173 Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Ippq8174</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Ippq8174 Firmware</a>	-	All	All	All
Hardware	Qualcomm	<a href="#">Qca1062</a>	-	All	All	All
Operating System	Qualcomm	<a href="#">Qca1062 Firmware</a>	-	All	All	All

Hardware	Qualcomm	Qca1064	-	All	All	All
Operating System	Qualcomm	Qca1064 Firmware	-	All	All	All
Hardware	Qualcomm	Qca2062	-	All	All	All
Operating System	Qualcomm	Qca2062 Firmware	-	All	All	All
Hardware	Qualcomm	Qca2064	-	All	All	All
Operating System	Qualcomm	Qca2064 Firmware	-	All	All	All
Hardware	Qualcomm	Qca2065	-	All	All	All
Operating System	Qualcomm	Qca2065 Firmware	-	All	All	All
Hardware	Qualcomm	Qca2066	-	All	All	All
Operating System	Qualcomm	Qca2066 Firmware	-	All	All	All
Hardware	Qualcomm	Qca4024	-	All	All	All
Operating System	Qualcomm	Qca4024 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6175a	-	All	All	All
Operating System	Qualcomm	Qca6175a 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	Qca6420	-	All	All	All
Operating System	Qualcomm	Qca6420 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6421	-	All	All	All
Operating System	Qualcomm	Qca6421 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6426	-	All	All	All
Operating System	Qualcomm	Qca6426 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6428	-	All	All	All
Operating System	Qualcomm	Qca6428 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6430	-	All	All	All
Operating System	Qualcomm	Qca6430 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6431	-	All	All	All
Operating System	Qualcomm	Qca6431 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6436	-	All	All	All
Operating System	Qualcomm	Qca6436 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6438	-	All	All	All
Operating System	Qualcomm	Qca6438 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6564a	-	All	All	All

Hardware	Qualcomm	Qca6564au	-	All	All	All
Operating System	Qualcomm	Qca6564au Firmware	-	All	All	All
Operating System	Qualcomm	Qca6564a Firmware	-	All	All	All
Hardware	Qualcomm	Qca6574	-	All	All	All
Hardware	Qualcomm	Qca6574a	-	All	All	All
Hardware	Qualcomm	Qca6574au	-	All	All	All
Operating System	Qualcomm	Qca6574au Firmware	-	All	All	All
Operating System	Qualcomm	Qca6574a Firmware	-	All	All	All
Operating System	Qualcomm	Qca6574 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6584au	-	All	All	All
Operating System	Qualcomm	Qca6584au Firmware	-	All	All	All
Hardware	Qualcomm	Qca6595	-	All	All	All
Hardware	Qualcomm	Qca6595au	-	All	All	All
Operating System	Qualcomm	Qca6595au Firmware	-	All	All	All
Operating System	Qualcomm	Qca6595 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6694	-	All	All	All
Operating System	Qualcomm	Qca6694 Firmware	-	All	All	All
Hardware	Qualcomm	Qca6696	-	All	All	All
Operating System	Qualcomm	Qca6696 Firmware	-	All	All	All
Hardware	Qualcomm	Qca8072	-	All	All	All
Operating System	Qualcomm	Qca8072 Firmware	-	All	All	All
Hardware	Qualcomm	Qca8075	-	All	All	All
Operating System	Qualcomm	Qca8075 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	Qca9888	-	All	All	All
Operating System	Qualcomm	Qca9888 Firmware	-	All	All	All
Hardware	Qualcomm	Qca9889	-	All	All	All
Operating System	Qualcomm	Qca9889 Firmware	-	All	All	All
Hardware	Qualcomm	Qca9984	-	All	All	All
Operating System	Qualcomm	Qca9984 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn5021	-	All	All	All
Operating System	Qualcomm	Qcn5021 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn5022	-	All	All	All

Operating System	Qualcomm	Qcn5022 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn5024	-	All	All	All
Operating System	Qualcomm	Qcn5024 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn5052	-	All	All	All
Operating System	Qualcomm	Qcn5052 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn5054	-	All	All	All
Operating System	Qualcomm	Qcn5054 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn5064	-	All	All	All
Operating System	Qualcomm	Qcn5064 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn5121	-	All	All	All
Operating System	Qualcomm	Qcn5121 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn5122	-	All	All	All
Operating System	Qualcomm	Qcn5122 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn5124	-	All	All	All
Operating System	Qualcomm	Qcn5124 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn5152	-	All	All	All
Operating System	Qualcomm	Qcn5152 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn5154	-	All	All	All
Operating System	Qualcomm	Qcn5154 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn5164	-	All	All	All
Operating System	Qualcomm	Qcn5164 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn5550	-	All	All	All
Operating System	Qualcomm	Qcn5550 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn6023	-	All	All	All
Operating System	Qualcomm	Qcn6023 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn6024	-	All	All	All
Operating System	Qualcomm	Qcn6024 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn9000	-	All	All	All
Operating System	Qualcomm	Qcn9000 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn9012	-	All	All	All
Operating System	Qualcomm	Qcn9012 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn9022	-	All	All	All
Operating System	Qualcomm	Qcn9022 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn9024	-	All	All	All
Operating System	Qualcomm	Qcn9024 Firmware	-	All	All	All

Hardware	Qualcomm	Qcn9070	-	All	All	All
Operating System	Qualcomm	Qcn9070 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn9072	-	All	All	All
Operating System	Qualcomm	Qcn9072 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn9074	-	All	All	All
Operating System	Qualcomm	Qcn9074 Firmware	-	All	All	All
Hardware	Qualcomm	Qcn9100	-	All	All	All
Operating System	Qualcomm	Qcn9100 Firmware	-	All	All	All
Hardware	Qualcomm	Qcx315	-	All	All	All
Operating System	Qualcomm	Qcx315 Firmware	-	All	All	All
Hardware	Qualcomm	Qsm8350	-	All	All	All
Operating System	Qualcomm	Qsm8350 Firmware	-	All	All	All
Hardware	Qualcomm	Sa415m	-	All	All	All
Operating System	Qualcomm	Sa415m Firmware	-	All	All	All
Hardware	Qualcomm	Sa515m	-	All	All	All
Operating System	Qualcomm	Sa515m Firmware	-	All	All	All
Hardware	Qualcomm	Sa6145p	-	All	All	All
Operating System	Qualcomm	Sa6145p Firmware	-	All	All	All
Hardware	Qualcomm	Sa6150p	-	All	All	All
Operating System	Qualcomm	Sa6150p Firmware	-	All	All	All
Hardware	Qualcomm	Sa6155	-	All	All	All
Hardware	Qualcomm	Sa6155p	-	All	All	All
Operating System	Qualcomm	Sa6155p Firmware	-	All	All	All
Operating System	Qualcomm	Sa6155 Firmware	-	All	All	All
Hardware	Qualcomm	Sa8145p	-	All	All	All
Operating System	Qualcomm	Sa8145p Firmware	-	All	All	All
Hardware	Qualcomm	Sa8150p	-	All	All	All
Operating System	Qualcomm	Sa8150p Firmware	-	All	All	All
Hardware	Qualcomm	Sa8155	-	All	All	All
Hardware	Qualcomm	Sa8155p	-	All	All	All
Operating System	Qualcomm	Sa8155p Firmware	-	All	All	All
Operating System	Qualcomm	Sa8155 Firmware	-	All	All	All
Hardware	Qualcomm	Sa8195p	-	All	All	All
Operating System	Qualcomm	Sa8195p Firmware	-	All	All	All
Hardware	Qualcomm	Sc8280xp	-	All	All	All
Operating System	Qualcomm	Sc8280xp Firmware	-	All	All	All

Operating System	Qualcomm	Sc8280xp 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 5g	-	All	All	All
Operating System	Qualcomm	Sd888 5g Firmware	-	All	All	All
Hardware	Qualcomm	Sdx55	-	All	All	All
Hardware	Qualcomm	Sdx55m	-	All	All	All
Operating System	Qualcomm	Sdx55m Firmware	-	All	All	All
Operating System	Qualcomm	Sdx55 Firmware	-	All	All	All
Hardware	Qualcomm	Sdxr2 5g	-	All	All	All
Operating System	Qualcomm	Sdxr2 5g Firmware	-	All	All	All
Hardware	Qualcomm	Sd 8c	-	All	All	All
Hardware	Qualcomm	Sd 8cx	-	All	All	All
Operating System	Qualcomm	Sd 8cx Firmware	-	All	All	All
Operating System	Qualcomm	Sd 8c Firmware	-	All	All	All
Hardware	Qualcomm	Wcd9340	-	All	All	All
Operating System	Qualcomm	Wcd9340 Firmware	-	All	All	All
Hardware	Qualcomm	Wcd9341	-	All	All	All
Operating System	Qualcomm	Wcd9341 Firmware	-	All	All	All
Hardware	Qualcomm	Wcd9360	-	All	All	All
Operating System	Qualcomm	Wcd9360 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	Wcn3998	-	All	All	All
Operating System	Qualcomm	Wcn3998 Firmware	-	All	All	All
Hardware	Qualcomm	Wcn6745	-	All	All	All
Operating System	Qualcomm	Wcn6745 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	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
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
September 2021 Security Bulletin   Qualcomm	CONFIRM	<a href="http://www.qualcomm.com">www.qualcomm.com</a>	
CVE Program record	CVE.ORG	<a href="http://www.cve.org">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="http://nvd.nist.gov">nvd.nist.gov</a>	canonical, analysis

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

[610363](#) Google Android Devices September 2021 Security Patch Missing

[610375](#) Google Android October 2021 Security Patch Missing for Samsung

[610376](#) Google Android October 2021 Security Patch Missing for LGE

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