

CEL-7 · Mobile Threat Catalogue

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[Mobile Threat Catalogue](#)

Jamming Device Radio Interface

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Threat Category: Cellular Air Interface

ID: CEL-7

Threat Description: An attacker jams the mobile device by broadcasting in close proximity to the mobile device to prevent communication with the base station.

Threat Origin

Analysis and Mitigation of Interference to the LTE Physical Control Format Indicator Channel [1](#)

Researchers exploit cellular tech flaws to intercept phone calls [2](#)

Exploit Examples

Not Applicable

CVE Examples

Not Applicable

Possible Countermeasures

Mobile Device User

Detect, locate and deactivate the device interfering with the radio interface.

Enterprise

Detect, locate and deactivate the device interfering with the radio interface.

Mobile Network Operator

Detect, locate and deactivate the device interfering with the radio interface.

References

1. J. Kakar et al. “Analysis and Mitigation of Interference to the LTE Physical Control Format Indicator Channel”, in Proceedings of 2014 IEEE Military Communications Conference, 2014, pp. 228-234
<https://ur.booksc.me/book/41779255/a4e867> [accessed 8/1/2022] [↵](#)
2. J. Vijayan, “Researchers Exploit Cellular Tech Flaws to Intercept Phone Calls”, ComputerWorld, 1 Aug. 2013; <http://www.computerworld.com/article/2484538/cybercrime-hacking/researchers-exploit-cellular-tech-flaws-to-intercept-phone-calls.html> [accessed 8/23/2016] [↵](#)

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