

# entr0py Encore - 003 5G

|                       |                            |
|-----------------------|----------------------------|
| <b>Project</b>        | entr0py Encore             |
| <b>Status</b>         | Planning                   |
| <b>Contact</b>        | <a href="#">metalgamer</a> |
| <b>Episode Number</b> | 003                        |
| <b>Subject</b>        | 5G                         |
| <b>Recording Date</b> |                            |
| <b>Publish Date</b>   |                            |

## Overview

1. Introduction
2. 2G, 3G, 4G, 5G - What the heck?
  1. Technical standard bodies
    1. 3GPP
3. Technical Aspects & Differences to 4G
  1. Frequency & Bandwidth
  2. Cell-structure
  3. MIMO
  4. Beamforming
  5. QoS
4. For what use/applications of 5G
  1. IoT
  2. Agriculture
  3. "Normal people"
  4. Bridge to next fiber access
  5. Health
5. Netneutrality
  1. What is net neutrality?
  2. "Social packages" - net neutrality for enterprises
  3. QoS
  4. Two-class network
6. Security aka. Huawei, Cisco. Monopoly's
  1. Built-In espionage & surveillance
7. Health
  1. Wear your alufoil hat
  2. General implications
  3. Coronavirus
8. Future
  1. 6G

## Sources

- [YouTube - re:publica 2019 - Thomas Lohninger: Mit 5G wird Milch und Honig fließen](#)
- [Der Standard - 5G: Die Rückkehr der "Strahlenangst"](#)
- [Luxembourg 5G Strategy Expert Report](#)

- [media.ccc.de - 36C3 - Der Pfad von 4G zu 5G: Die Luftschnittstelle und das Core im Wandel der Zahlen](#)
- [media.ccc.de - CCCamp2019 - Die 5G-Überwachungsstandards: Cops gegen Telekoms im ETSI](#)
- [media.ccc.de - 36C3 - 5G & Net Neutrality: Status of the Net Neutrality Reform in Europe](#)
- [TNO Report - 5G and Net Neutrality: a functional analysis to feed the policy discussion](#)
- [Blog: WirelessMoves](#)

## Files

Length:

| Type       | VBR/CBR | Mono/Stereo | Bitrate | Link | Size |
|------------|---------|-------------|---------|------|------|
| OGG Vorbis | VBR     | Stereo      | 320     |      |      |
|            |         |             | 256     |      |      |
|            |         |             | 192     |      |      |
|            |         |             | 128     |      |      |
|            |         |             | 96      |      |      |
|            |         | Mono        | 320     |      |      |
|            |         |             | 256     |      |      |
|            |         |             | 192     |      |      |
|            |         |             | 128     |      |      |
|            |         |             | 96      |      |      |
| Opus       | VBR     | Stereo      | 256     |      |      |
|            |         |             | 192     |      |      |
|            |         |             | 128     |      |      |
|            |         |             | 96      |      |      |
|            |         |             | 64      |      |      |
|            |         | Mono        | 256     |      |      |
|            |         |             | 192     |      |      |
|            |         |             | 128     |      |      |
|            |         |             | 96      |      |      |
|            |         |             | 64      |      |      |

| Type | VBR/CBR | Mono/Stereo | Bitrate | Link | Size |
|------|---------|-------------|---------|------|------|
| MP3  | VBR     | Stereo      | 320     |      |      |
|      |         |             | 256     |      |      |
|      |         |             | 192     |      |      |
|      |         |             | 128     |      |      |
|      |         |             | 96      |      |      |
|      |         | Mono        | 320     |      |      |
|      |         |             | 256     |      |      |
|      |         |             | 192     |      |      |
|      |         |             | 128     |      |      |
|      |         |             | 96      |      |      |
|      | CBR     | Stereo      | 320     |      |      |
|      |         |             | 256     |      |      |
|      |         |             | 192     |      |      |
|      |         |             | 128     |      |      |
|      |         |             | 96      |      |      |
|      |         | Mono        | 320     |      |      |
|      |         |             | 256     |      |      |
|      |         |             | 192     |      |      |
|      |         |             | 128     |      |      |
|      |         |             | 96      |      |      |
| FLAC | N/A     | Stereo      | N/A     |      |      |
|      |         | Mono        |         |      |      |

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