5GIF

**National Workshop on Learnings from WRC-23 and the way forward
Planning for WRC-27 and forthcoming ITU and APT meetings**

**Thursday, 22nd February, 2024
Hotel Hyatt Centric, MG Road, Bangalore**

About 5GIF

- An industry collaborative forum, established to enable synergizing the national efforts and play a significant role in shaping the strategic, commercial and regulatory development of the 5G ecosystem in India.

- We promote technologies developed by the 3GPP that are general purpose in nature.

- A trusted partner for the research community, the regulators, and to companies representing both ICT development and a broad range of ICT user fields for knowledge dissemination, training and know how on 6G.

5GIF Engagements

- Improve the visibility of 3GPP technologies amongst Indian stakeholders and regulatory bodies
  - Technical activities including the generation of Technical Reports, performance studies and drafting Recommendations
  - IMT-2020 Technology Evaluation
  - Facilitating the 3GPP meetings in India and 3GPP knowledge dissemination

5GIF Working Groups

6G Technology	Spectrum studies
Vertical Industries	Technology Evaluation
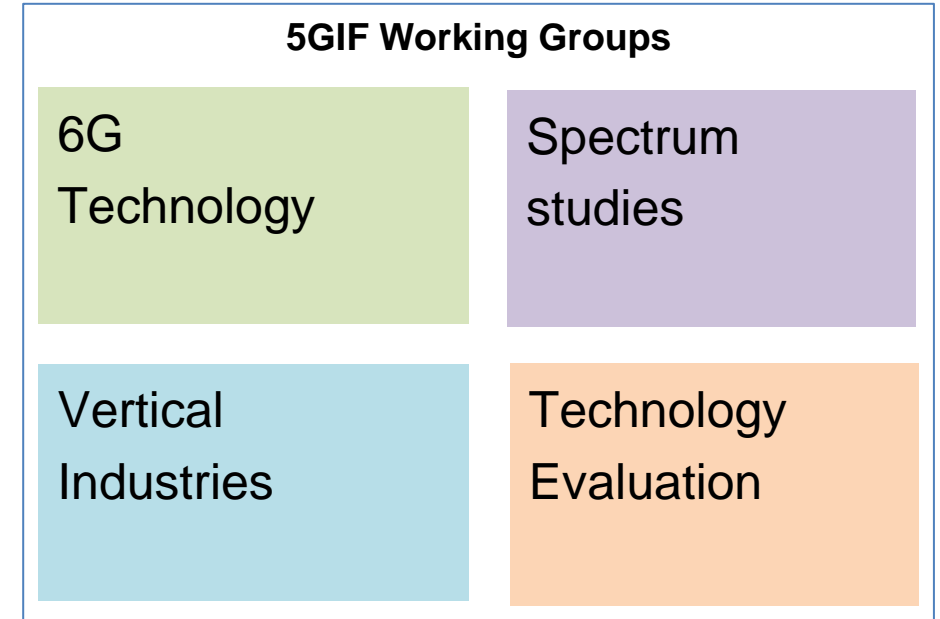
- 6G Initiatives and engagements in India
- Contributions towards IMT-2030 in ITU-R, through the NSG5
- WRC-23 & WRC-27 – preparation and technical studies for National preparatory committees

Recap of 5GIF activities in previous cycle

- Inputs to TIG 6G (Bharat 6G) Committee (including Spectrum) related to studies

- Inputs to AWG on 7-24 GHz Questionnaire

- Inputs to APG / NPC on WRC27 Agenda items in 7-24 GHz bands

- Contributions to NSG5 and NPC on WRC23 agenda items during 2019-2023 cycle
  - IMT Parameters
  - Sharing Studies on multiple agenda items

- 5GIF representation in multiple workshops and events

- Other 5GIF contributions where WG Spectrum was involved
  - 5GIF contributions to TEC reports on IoT / V2X

5GIF – Technology Evaluation

Evaluation of Candidate Technology of IMT-2020

3GPP NR, LTE
DECT NR-2020
EUHT from NuFront

Satellite Component of IMT-2020 (WP4B)

3GPP NTN
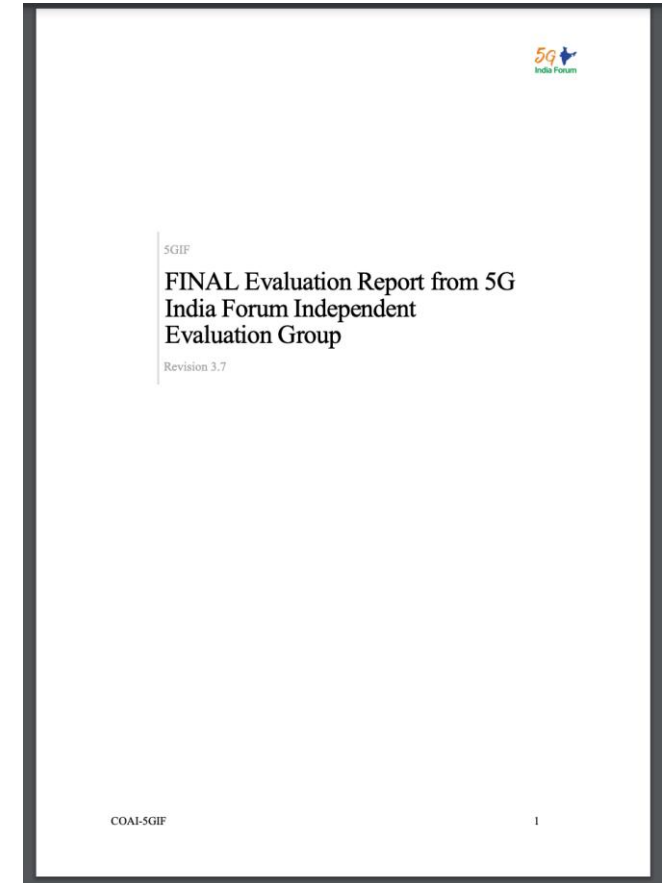
ITU-R Propagation models : P.619, P.2108, P.1812

Reference results from ITU-R models
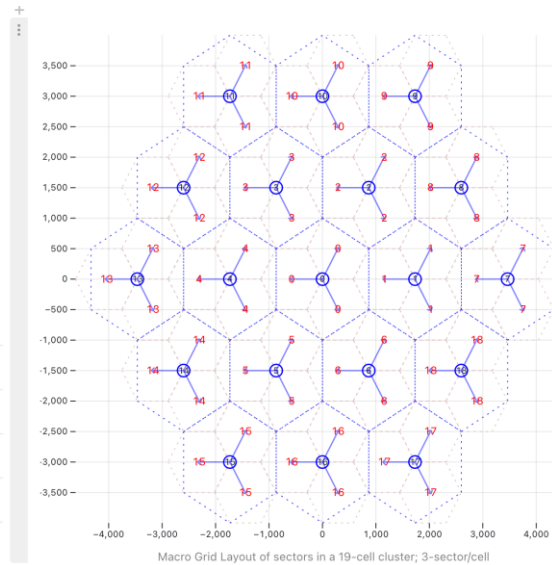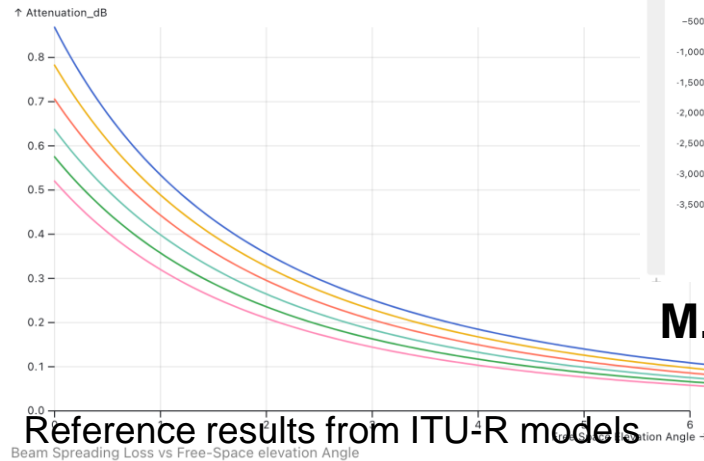
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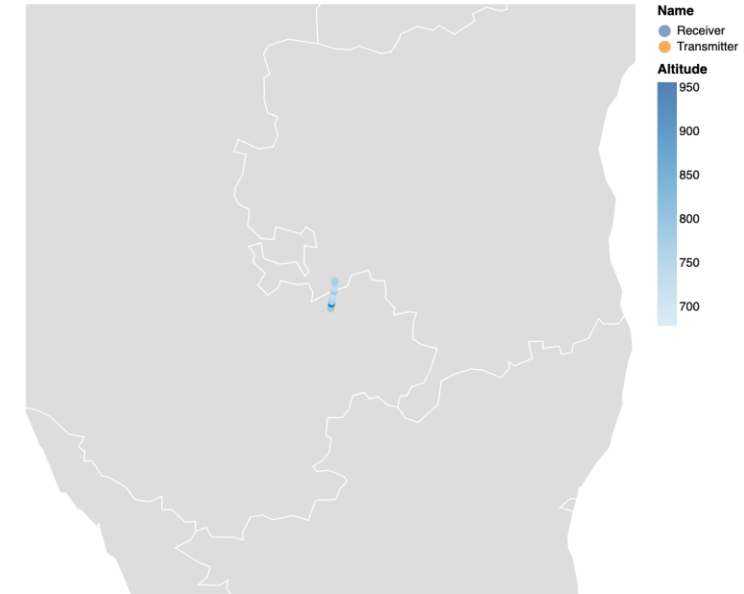
P.1812 – Terrain profile – Tx-Rx Locations

P.452– Custom Terrain profiling
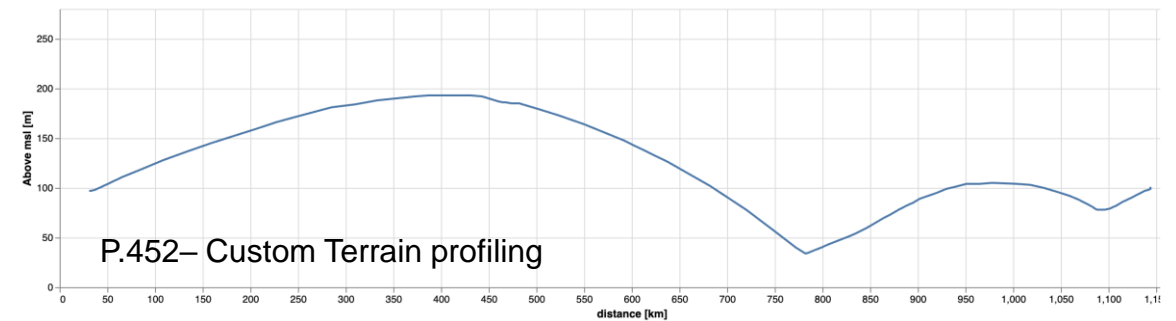
Studying Altimeter case
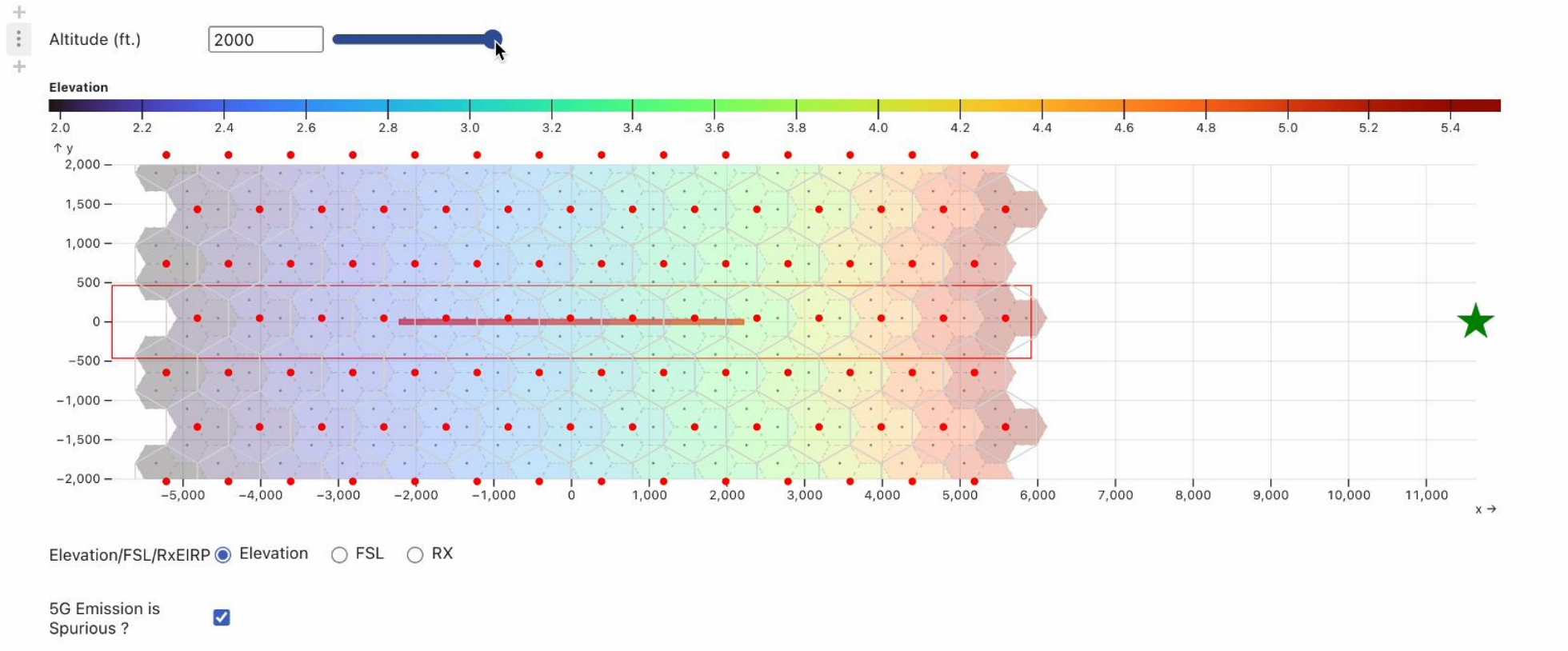
Reference – Delhi Airport runway

5GIF – Sharing Studies (FSS)

WRC-27 : Preparing for new study cycle
Many combinations of services

Timeline in ITU towards WRC-27 (WP5D)
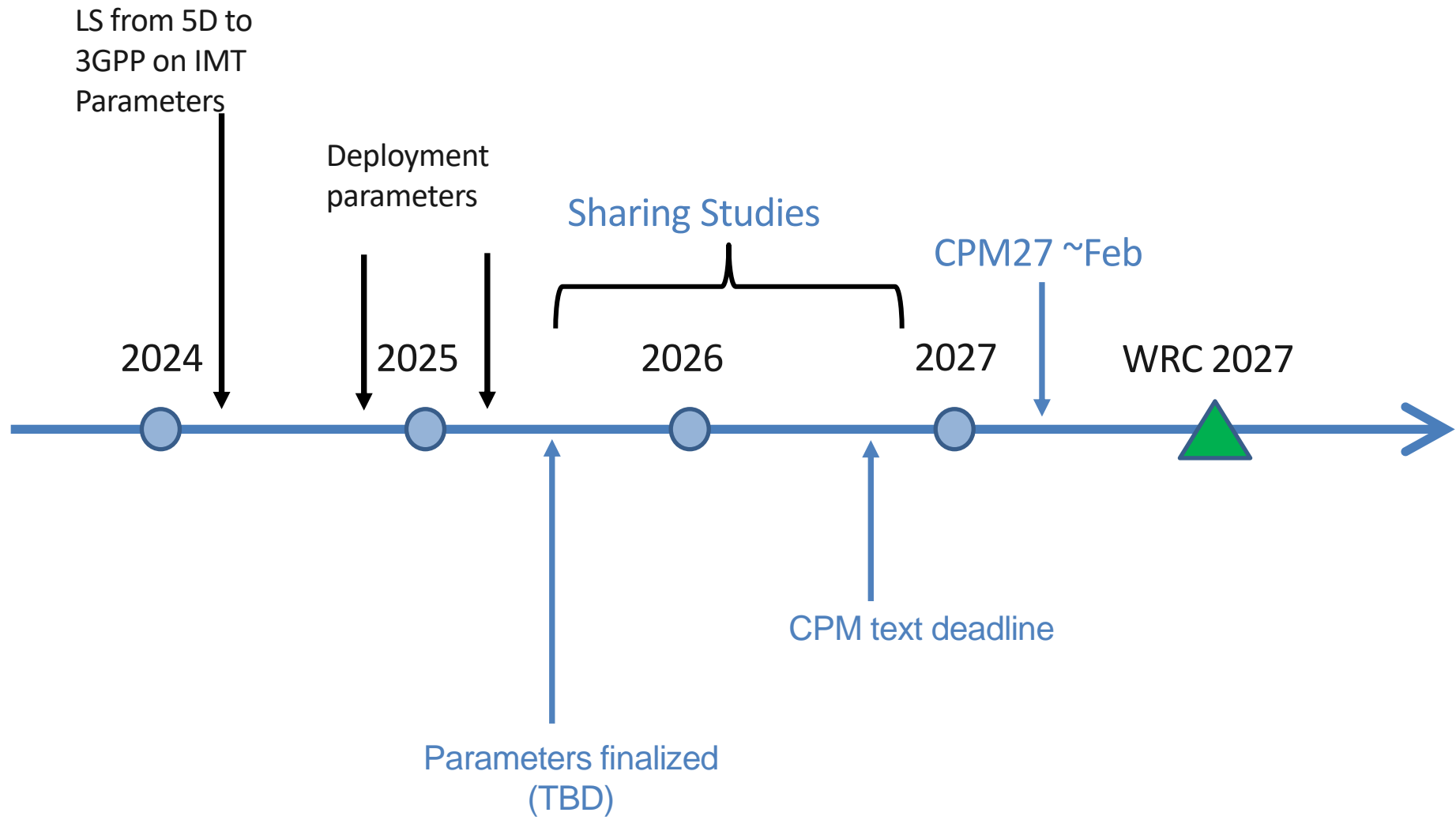
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