Webinar : New features ATDI tools (from v.23.0.0 to v.23.0.2)

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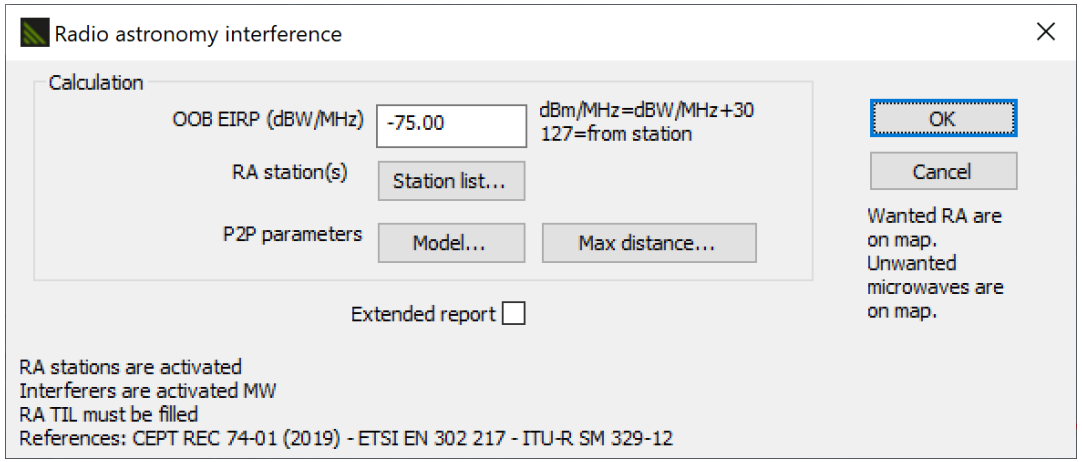
Compatibility analysis between MW links and Radioastronomy

Menu: *“spectrum/NATIONAL/REGIONAL/FR: FM interference…”*

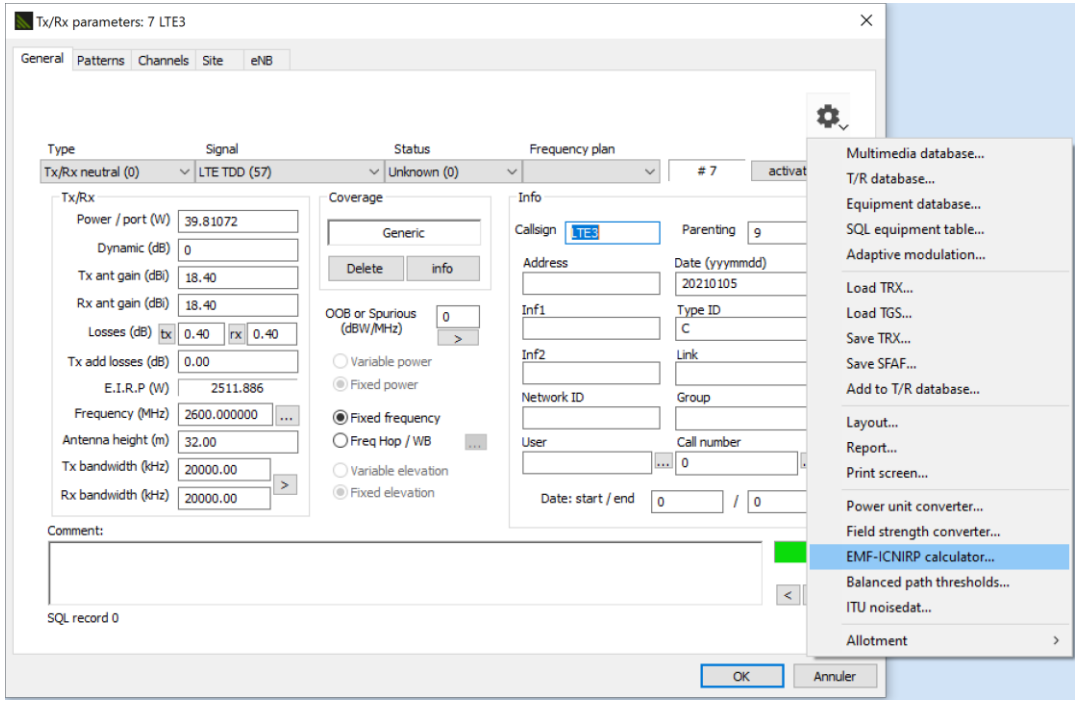
The CEPT recommendation 74-01 has been updated (version from May 2019) and the spectrum masks from ETSI EN 302 217-2 V3.2.2 (2020-2) for all classes have been added. This feature uses specific spectrum masks for spurious domain emission limits with reference bandwidth.

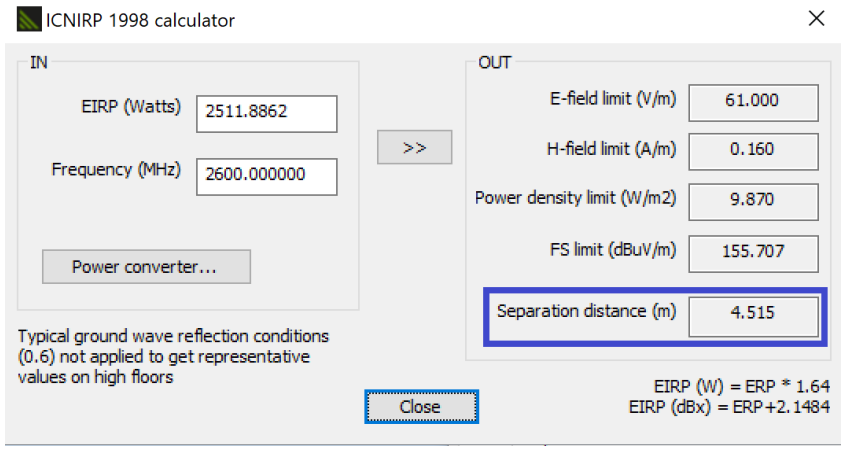


EMF-ICNIRP calculator

Menu: *"station /Options/EMF-ICNRP calculator…"*

- Used for the calculation of the safe separation distance (compliance distance) to maintain between the radio equipment and public as per ICNIRP 1998 reference levels for general public exposure to EMF.
- Output values also include reference limit levels (E-field, H-field power density) from ICNIRP 1998 guidelines.

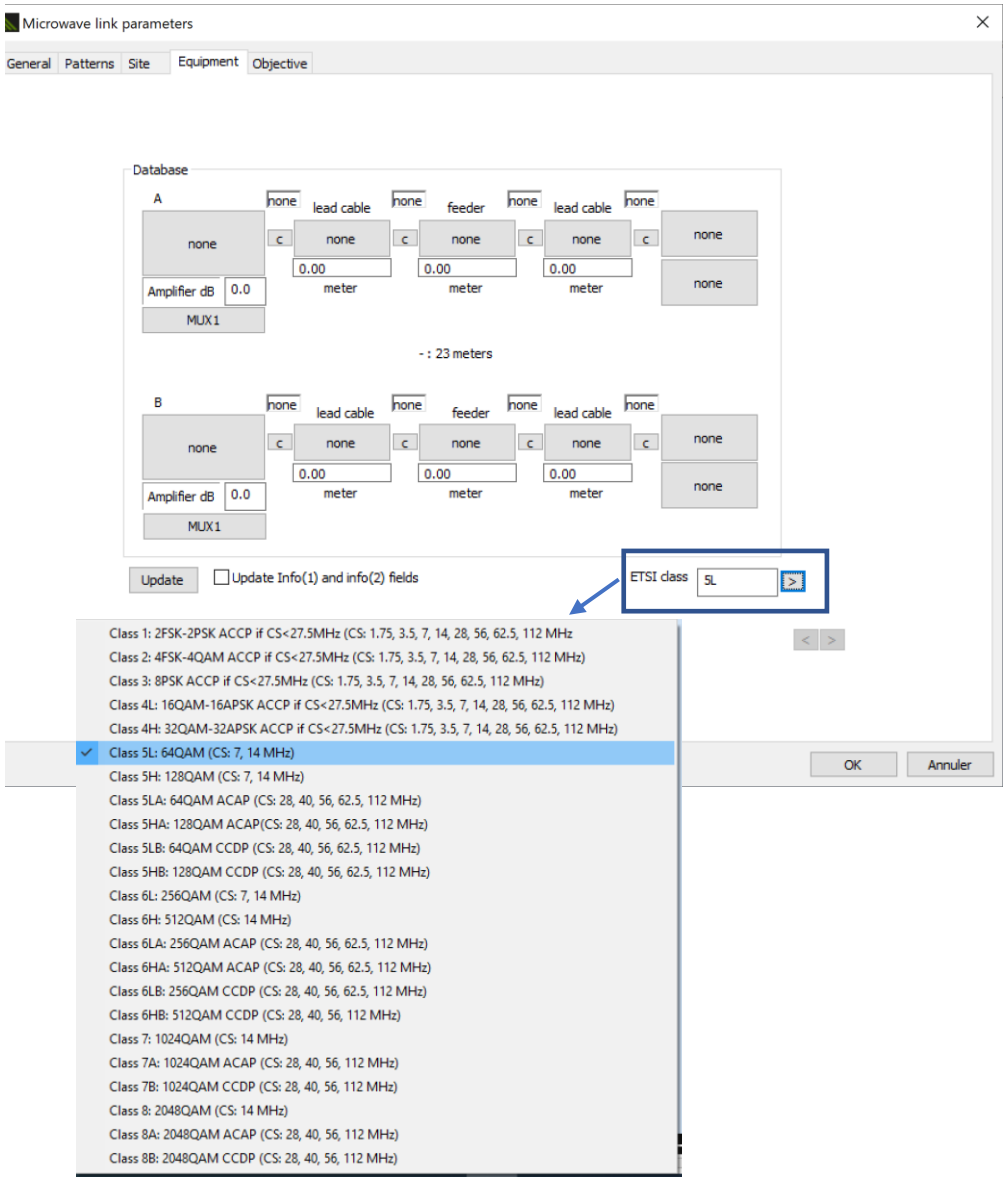




New ETSI Masks for fixed services

Menu: *“Mircowave link /Equipment Tab”*

The ETSI Spectrum masks 2020 for Fixed Radio services coming from ETSI EN 302 217-2 V3.2.2 (2020-02) have been added (\Base\TSR folder). The tables can be now used for interference analysis purposes.

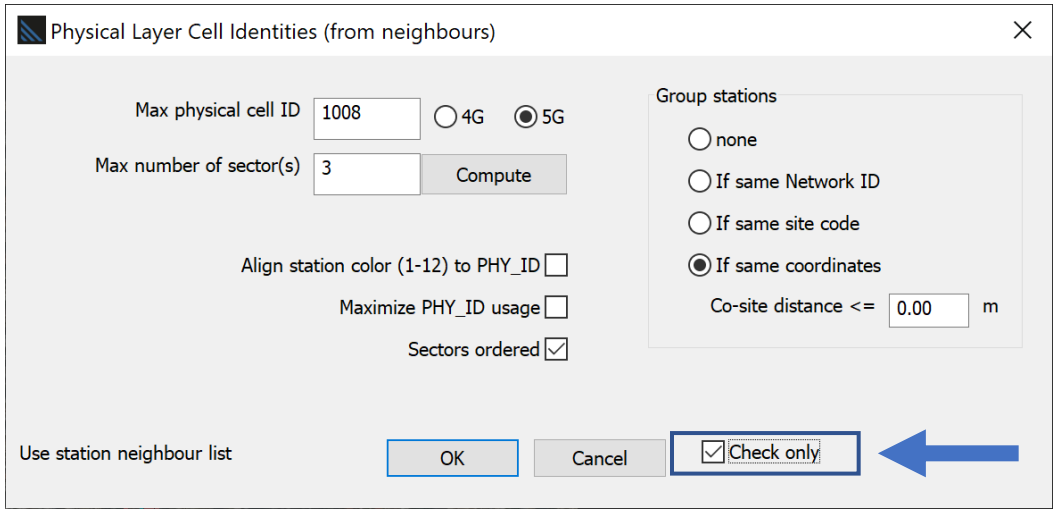


Physical Layer Cell Identities (PCI)

Menu: *"Coverage/Planning/Physical layer cell identities... ..."*

Potential conflicts analysis between the "PCI MODn" values improved:

- Intracell case:
  - MODn conflicts are checked "Max number of sector(s)".
  - For 5G stations and if Max number of sector(s)"=4, MOD-3 and MOD-4 cases are checked;
- Intercell case:
  - MODn conflicts are checked with n = 30 (for 5G stations only).



THANK YOU FOR YOUR ATTENTION

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