


### 31.2 EFC-400: Can compliance with limit values be checked even during the planning phase?

Will the new transmitting equipment that is to be built comply with the specified limit values? This should be checked beforehand if at all possible. Otherwise, there will be plenty of complaints if the limit is broken.

This is the usual practice for low frequencies. Nobody wants to add another 2 meters of height to high tension electricity pylons after they have been built. Here's where the **EFC-400** is the perfect tool. The simulation software is the market standard when it comes to providing the evidence for the construction permit for high tension lines.

But did you know that the EFC-400 also handles high frequencies? The **"TC" variant** of the EFC-400, where TC stands for telecommunication, simulates rooftops, towers and everything up to entire towns with reflections and shadowing effects. No corner remains unilluminated.



**narda**   
Safety Test Solutions

Datasheet / EFC-400 TC

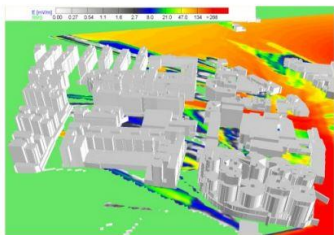
**EFC-400® - Telecommunications**  
– Computation of electromagnetic fields

Computation according to:

- › EN 50413, 26, BlnSchV,
- › IEC 62232, ICRNP & EU standards

"EFC-400 Telecommunication" is the solution designed for computing the radiation exposure due to transmitting and telecommunications equipment emitting at high frequencies.

- › The industry standard since 1995
- › Worldwide client references.
- › Maximum strength performance from calculation speed, ease of use, and the practically unlimited number of building and antenna elements.
- › Users: Network operators, local government environmental departments, engineering consultants, and regulatory authorities.
- › Maximum cost-effectiveness in use, as users can create and import the necessary network elements themselves.
- › Measurement data import and interpolation.
- › All network elements are visibly displayed. Users can see the simulation results clearly just as they are computed.

A 3D visualization of electromagnetic field propagation over a town. The town is represented by a cluster of white buildings. A large, bright, fan-shaped beam of light, colored with a gradient from green to yellow to red, emanates from the buildings, representing the field's spread. The background shows a blue sky with white clouds.

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If hardcopy or a pdf is not your thing, there are [EFC tutorials on YouTube](#). Short and to the point.

Want to keep up with the latest news? Check regularly for further updates at Narda [here](#).

**Software updates, data sheets, operating manuals, and videos:**

Available now for you to download from our website:

- **SignalShark:**
  - New [SignalShark Firmware Version 1.7.5.0](#) is now available for download from our website.
  - New [SignalShark System Update Package OS 2.1.0 - FW 1.7.5 Dual Core](#) is available.
  - New [SignalShark System Update Package OS 2.1.0 - FW 1.7.5 Quad Core](#) now downloadable.
- **AMB-8059:**
  - Latest [PC Software Update Version 1.54](#) is available for download.
  - There is a new EMF GPS Logger [PC Software Version 1.12](#) (AMB8059/00 Car Mounting Kit option).
  - New Application Notes  
“[New innovative power management allows maximum usage of battery capacity for optimal operation time](#)”  
and  
“[RF electromagnetic field levels extensive geographical monitoring in 5G scenarios: dynamic and standard measurements comparison](#)”  
available for you to download from the Narda website.
- **AMS-8061:**
  - Latest [PC Software Update Version 1.38](#) now on the Narda website.
- **AMB-8059 und AMS-8061:**
  - [Updated Version 1.8](#) of the NardaAMInstaller Area Monitor PC Software configuration assistant available.
- **EHP:**
  - [New Version 2.13](#) EHP-50 TS now available
  - [New Version 2.07](#) EHP-200 TS now available

**Videos:**

The application videos for our products are found on our YouTube channel [here](#).

**Instrument demonstrations:**

Are you interested in a demonstration of a Narda product? Contact your [Narda sales partner](#) and ask about availability.

**Seminars and webinars:**

- ❖ The seminar “Exposure measurements on radio transmitting equipment using the SRM-3006” is aimed at beginners, more experienced, and professional users in the field of selective measurement. The next seminar will be held on 2<sup>nd</sup> – 4<sup>th</sup> May, 2022. Register quickly and secure one of the coveted places.  
You can also ask our [sales partners](#) about custom seminar dates.

**New: Regular live webinars for you:**

- ❖ Wednesday 6<sup>th</sup> April 2022: Finding Interference in Mobile Cellular Networks with Narda SignalShark (followed by Q+A)  
**Contents:** Did you know...  
... how EASY and QUICK it is to find interference with the Narda SignalShark?  
... how sophisticated vehicle based radio direction finding can be?  
... how the SignalShark can pass on its localization result to a navigation app that will take you to the interferer?
- ❖ Wednesday 11<sup>th</sup> May 2022: 5G in a nutshell; Part 5  
(followed by Q+A)  
**Contents:** If there were still unanswered questions from parts 1 – 4, today there is lots more new facts and, above all, solutions. Which is why we would like to bring you up to speed with the latest in code selective measurements for 5G mobile radio systems.
- ❖ Wednesday 8<sup>th</sup> June 2022: EMF Area Monitoring  
(followed by Q+A)  
**Contents:** It's better to check than to trust. Narda not only invented permanent 24/7 monitoring of environmental pollution by electromagnetic fields, it is also the world leader in area monitoring technology. This live webinar provides an introduction to this technology and answers your current questions.

All seminars will be held in English.

The latest webinars and registration are [here](#).

