# FAQ – Webinar 6: Spectrum Analysis for LTE Systems

1. **Is there any binning on measurements?**
   - Measurements capture 90 ms of spectrum at a time. A new sample is collected every 4 s.

2. **Can we load the test routes into data collection and display in 2D map windows with other format such as MapInfo files?**
   - Test Routes can be loaded in our SW. We can import from MapInfo and Google.

3. **Which measurement is mostly used by coverage KPI?**
   - The most common measurement is RSRP.

4. **Is there any coverage KP difference between MIMO and non MIMO network?**
   - Network coverage includes MIMO and non MIMO areas. The use of MIMO can be better represented by Antenna Correlation.

5. **Does the 3d interpolated measurement algorithms consider antenna radiation pattern and transmit power of base station?**
   - Yes, 3D interpolation considers: terrain, antenna height, pattern and transmit power.

6. **Is CellDesigner capable to import the network dump database as well as KPI raw data?**
   - Yes, it can.

7. **Which network vendor do you support?**
   - We are developing a universal interface that can be user programmable.

8. **When doing drive test is it ok to use just one antenna on the receiver or two antennas on MRC mode only?**
   - We use only one antenna on the receiver side.

9. **Can the cell spectrum analyze and interpret cell edges on multiple sites to study optimized boundaries?**
   - Yes, this is one of the strong points as illustrated in the presentation.

10. **How do you do cell reference signal smoothening? Is it proprietary or just averaging?**
    - It applies only to reference signals. Smoothening is done between the four adjacent RSs.

11. **Storing spectrum is a great idea, but does it not require a lot of storage space?**
    - Yes it does. We recommend that hard drives be dedicated for this purpose.

12. **Can CelPlan develop custom reports based on the data collected?**
    - Yes, CelPlan is working with operators and adding new reports /customizing existing ones.

13. **Can CellSpectrum be used in the uplink?**
    - Not now. CelPlan plans to add this feature in the near future.

14. **Can CellSpectrum interface with other tools?**
    - Yes, we export our data to some tools; other can use our text format. We provide also our format.

15. **Can the captured spectrum be used as evidence to show irregular transmissions?**
    - Yes, because of its temporal signature.

16. **Can we request the extraction of additional parameters?**
    - Yes, we are open to suggestions.

17. **Are you planning to develop an interface for LTE-TDD?**
    - Yes, we are planning to support LTE-TDD, Wi-Fi, WiMAX, UMTS and GSM.

18. **The CelView interface looks very powerful, is it available with the regular CelPlan tools?**
    - Yes, it is already available in the CelPerformance family. CellDesigner will incorporate further enhancements.