

# FAQ - Determine sender positions and measuring points

## Sender positions and measuring points

Define measurement points in areas that are to be supplied, but probably have the lowest field strength, or where external influences can lead to reception problems. Give these measuring points clear designations.

Then start the measurement.

- Position the DECT Measurement base station at the first base station location. If necessary, use a tripod to position the transmitter as close as possible to the later mounting location.
- Then measure the field strength to the positions of the surrounding base stations with the synchronization measurement and enter the measurement results in the created table. If the field strength to the neighboring base stations is too low to ensure problem-free synchronization (-65dBm), you may have to redefine the positions of these, taking into account the measured field strength.
- Then carry out the measurement for field coverage. Connect to the test tone generator and move from point to point under observation of field strength and frame quality as well as acoustic quality of connection quality.
- When measuring, turn around and around your own axis while observing the connection quality.
- Write down the measured values at the measuring points in the table created for this purpose. If you wish, you can also draw the measurement results graphically in a building plan. For example, the -65 dBm field strength limit. Proceed in the same way with the positions of the other transmitters.



For more information about DECT synchronization, see this wiki page: [FAQ - DECT-based synchronisation](#)

The diagram shows a floor plan of a building with 18 numbered mobile phone locations and 8 labeled base stations (A-H). The plan includes various rooms like a kitchen, living area, and bedrooms, with population counts for each section. The building is surrounded by a concrete foundation and has a water supply line. The plan is divided into three main sections: a kitchen/living area on the left, a bedroom area in the middle, and a large open area on the right. The kitchen/living area contains 18 numbered phones and 4 base stations (A, B, C, D). The bedroom area contains 14 numbered phones and 4 base stations (E, F, G, H). The large open area contains 17 numbered phones and 1 base station (I). The plan also shows a concrete foundation, a water supply line, and a 20-person population count for the large open area.

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Draw the measurement results graphically in a building plan example

