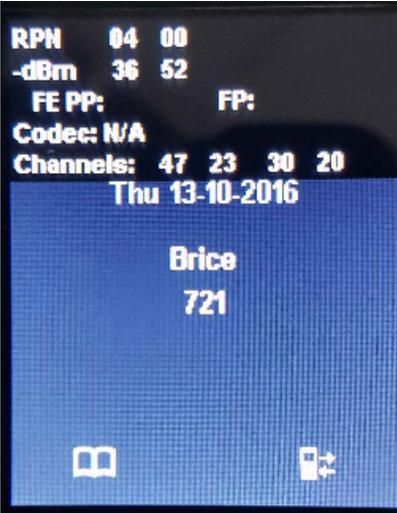


# DECT - 4. Site Survey

When all the base stations are mounted and online, the **coverage** and **handover** must be tested using an handset in **site survey mode**.

1. Take a **registered handset** and **place a call**, or even better have a service playing back a continuous message. It is important to have an active call during the site survey for the following reasons:
  - You can verify that the call remains active during the test.
  - The site survey menu (see the next point) will be refreshed more frequently and will be more accurate.
2. **Activate the site survey menu** pressing the keys **[Menu]\*789872\*** (same key combination to disable it).

The site survey menu will display an overlaying area at the top of the display showing the following information:

Screenshot	Name	Description
	RPN	The <b>RPN</b> (Radio Fixed Part Number) identifying the base stations the handset can "see" First on the left is the base where the handset is locked into.
	-dBm	The signal attenuation related to the above RPN
	FE	Frame errors for the portable part (the handset) and the fixed part. Typically this value increase with RSSI values below -75dBm
	Codec	Is the codec used for the DECT transmission, will display g.726 for narrowband calls and g.722 for HD calls
	Channels	1st column represents the number of free DECT channels, the 2nd is the number of disturbed channels, 3rd value is the amount of highly disturbed channels, the 4rd one is the non-available channels. Having low values on the first column means heavy DECT interferences that can lead to audio issue and range reduction.

With the site survey mode turned on, you can walk around the area and verify the handover, call quality and the number of bases the handset can reach.

 In order to guarantee a good redundancy, it is important that the handset lists at least 3 bases with good dBm values (minor than -75).

## Further Information

- [VoIP Essentials](#)
- [Visit the Snom Forum](#)
- [Open a support ticket](#)
- [Find a local partner](#)

## Related articles

- [DECT - 1. Multicell Deployment Guide](#)
- [DECT - 2. Physical installation](#)
- [DECT - 3.0 Multicell setup](#)
- [DECT - 3.1 Add Extensions](#)
- [DECT - 4. Site Survey](#)
- [DECT - 5. Measuring with DECT Discovery Mode](#)
- [DECT - 6. Best Practises](#)
- [DECT - M700, M900 - Activate Multicell Mode](#)
- [DECT Multi Cell Installation How-to](#)

- [How to update M-Series - DECT handsets](#)
- [How to update M300,M700,M900 DECT Base Station manually](#)
- [M700](#)
- [M900](#)
- [M900 - Outdoor](#)
- [Setting up a M700,M900 Multicell with 3CX](#)
- [Snom DECT Radio Measuring Kit](#)
- [Switching to Peer-to-Peer Multi-cell Configuration](#)
- [What does the error -Multi cell system version conflict , Provider conflict , Primary conflict IP- mean?](#)