



June 7, 1999

## SYSTEM TEST CONFIGURATION

### Rational

The system was configured for testing in a typical fashion (as a customer would normally use it). The equipment under test (EUT) a 9410 Frequency Hopping Spread Spectrum 900 MHz Cordless Telephone was tested in a single channel configuration, only for the purpose of testing.

The telephone in this configuration has the same power output as in the normal operation mode, which is hopping

### Equipment Modifications

The EUT is only set in single channel mode for testing purposes.

### Tested System Details

The EUT consist of:

- A base unit, which is the one connected to the public network.
- A cordless handset, which is the interface between the user and the party while a phone call is in progress.
- Power adapter unit, which provide the voltage and current supply to the base.
- Battery for the handset, which provide the voltage and current supply to the handset.

### Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4-1992. Radiated testing was performed at an antenna to EUT distance of 3 meters.

Connected measurements were performed considering Public Notice 202/418-0500, 202/418-2222. The antenna port was connected directly to the spectrum analyzer (HP 8593EM) through a high pass filter only for harmonics measurements to avoid an overload on the front end of the test equipment. All correction factors are considered in the test results.



## Test Facilities

The open area test site is located Holmdel, NJ at Lucent Technologies, Inc. Global Products Compliance Lab.

All additional testing was performed at Lucent Technologies Consumer Products L.P. located in Eatontown, NJ.

## Referenced Rules Sections(47 CFR)

<u>Rules Section</u>	<u>Rules Title - Brief Description</u>
15.207	Conducted Emissions
15.209	Radiated Emissions
15.247	Operation within the bands 902 – 928 MHz

## Configuration of Tested System

All radiated and conducted emissions testing was performed with the EUT in the “off hook” or active call mode.

The EUT test set up was in accordance with ANSI C63.4. Conducted and Radiated Emissions and Measurement of Intentional Radiators.