



LUCENT TECHNOLOGIES CP  
May 22, 1999

Test Lab:

Lucent Technologies Global Products Compliance Lab

Products to be tested:

1. Model 9520 - 900 MHz, 90 channel cordless DSS/FH  
TO BE TESTED ON CHANNELS 1, 30, and 60  
FREQUENCIES OF CHANNELS ARE THE SAME FOR BASE AND  
HANDSET.  
Channel 1 = 902.597  
Channel 30 = 916.386  
Channel 60 = 927.457

2 CLOCK FREQUENCIES

CSP = 10.24 MHz

DSP = 4.096 MHz

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## **Model 9520 900 MHz Cordless DSS/FH (OATS)**

### **RADIATED SPURIOUS EMISSIONS 47 CFR 15.209**

The Model 9520 Cordless Telephone will be tested for final Radiated Emissions as per 47 CFR 15.209(a)(b)(c)(d)(e). This test is for the determination of spurious or “unwanted” emissions from an intentional radiator. This portion of the radiated emissions testing **does not** include testing the intentional radiating signal produced by the EUT.

The EUT shall be set up with both the handset and the base on the test platform. The EUT cables shall be configured to ANSI C63.4 - 1992.

Furthermore, the EUT shall be in the “off hook” mode of operation. To facilitate this mode the EUT tip/ring line shall be connected to a Viking CO simulator. This mode of operation simulates a “worst case” mode of operation.

Radiated Emissions pre-scan data will be provided to the test operators by Lucent Technologies CP.

The radiated emissions data collected should represent the top six emissions (ANSI C63.4-1992) produced by the EUT or any emissions found to be within 20 dB $\mu$ V of the limits specified in 47 CFR 15.209.

### **RADIATED FIELD STRENGTH MEASUREMENTS OF THE FUNDAMENTAL EMISSION, 47 CFR 15.247**

The field strength of the fundamental emissions generated by the Model 9520 shall be measured with the EUT configured in the same configuration as above with the following exceptions:

The handset and base will be tested separately.

Three measurements will be taken on the handset and base at low, mid and high channels.

All measurements **over 1GHz** shall be taken with measurement instrumentation employing an **average detector**.

## Model 9520 Radiated Emissions Test Setup

