Lucent Technologies
Bell Labs Innovations

June 2, 1999

Test Results Graphs

The following graphs belong to test results of connected measurements on Base Channel 1, the file name is 9520power-connected.

The sequence of the graphs are:

- Bandwidth of channel main carrier in KHz according to 15.247(a.1.i).
- Power of main carrier according to 15.247(b.2).
- Power of and up to the 10^{th} harmonic according to 15.209 and 15.247(c).

Field Strength Calculation*

According to explanation gave in duty cycle correct factor, done in file “test-avg-advice”, the final results would be obtained as follow:

FR = SR + CL + AF – DCF

Where:
FR : Final Result
SR: Spectrum Analizer Reading
CL: Cable Loss
AF: Antenna Factor
DCF: Duty Cycle Factor

As an example a real result was extracted from file 9520power-connected.

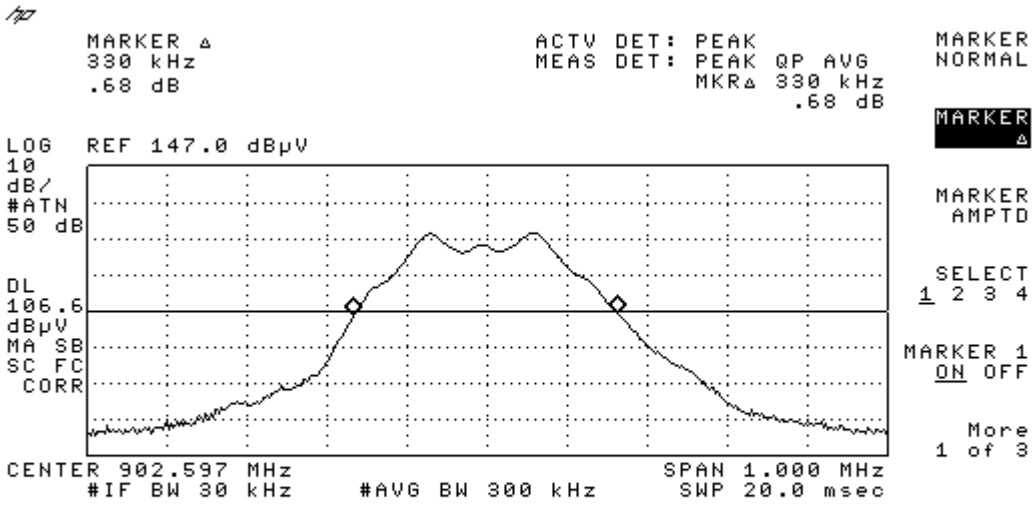
SR	(+)CL	(+)AF	(-)DCF	**= FR**
124.64	0.5	0.0	26.00	**99.14**

* Graph results are not affected by this final calculation, the graphs only shows the Spectrum Analyzer Reading.

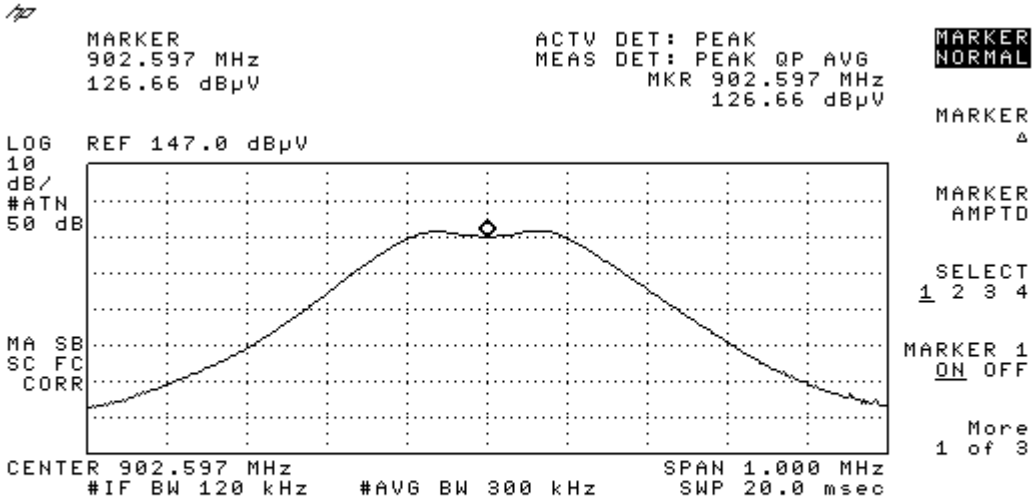
Connected Power Measurement at Antenna Port(s) 47 CFR 15.247(a)(b)(c)

Date:	**May 31, 1999**
EUT:	**9520-900MHz Spread Spectrum Frequency Hopping Cordless Telephone**
Temperature:	**23°C**
Humidity:	**25%**

BASE BW Channel 1



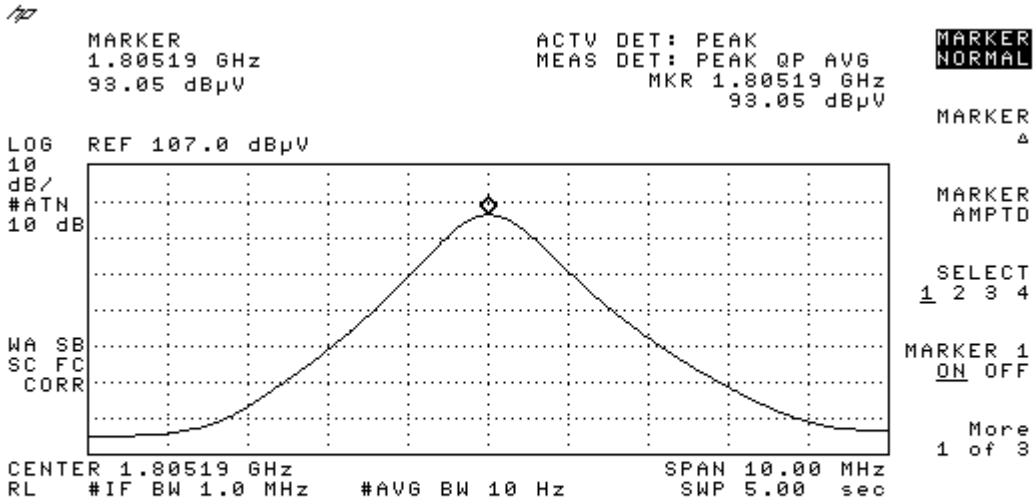
BASE POWER Channel 1



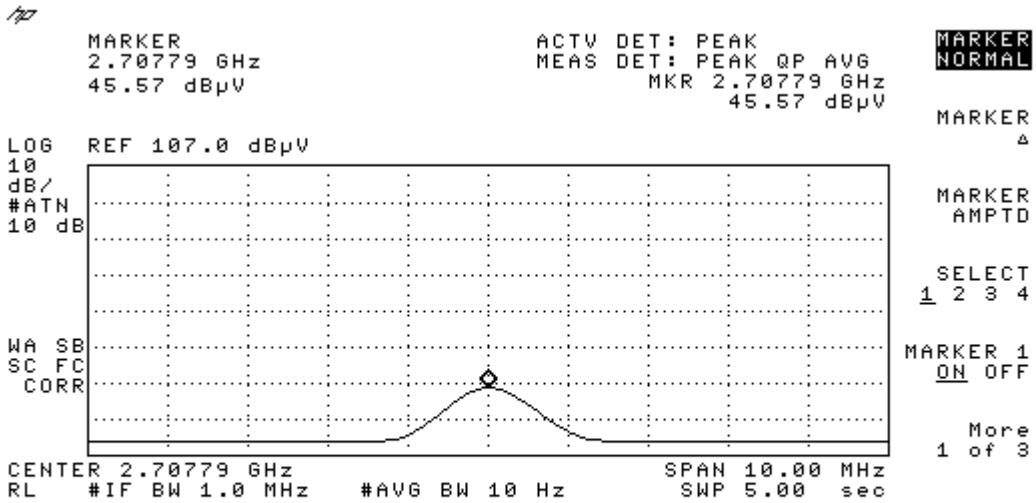
BASE 2th Harmonic Channel 1

Connected Power Measurement at Antenna Port(s) 47 CFR 15.247(a)(b)(c)

Date:	**May 31, 1999**
EUT:	**9520-900MHz Spread Spectrum Frequency Hopping Cordless Telephone**
Temperature:	**23°C**
Humidity:	**25%**



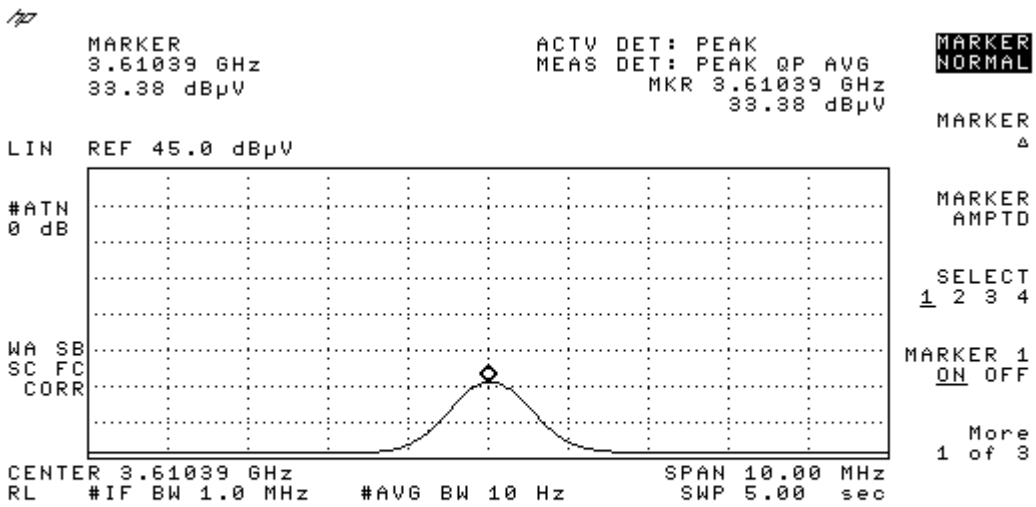
BASE 3th Harmonic Channel 1



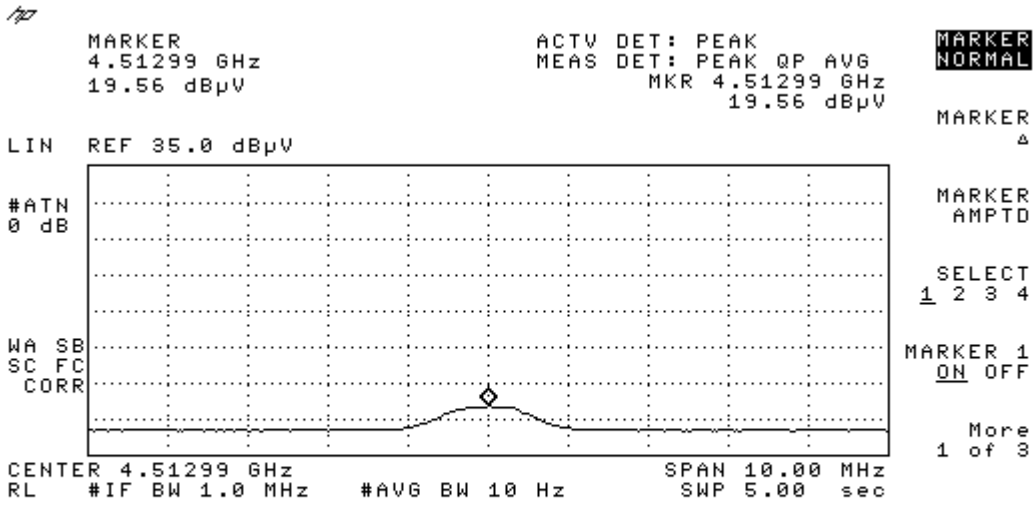
BASE 4th Harmonic Channel 1

Connected Power Measurement at Antenna Port(s) 47 CFR 15.247(a)(b)(c)

Date:	**May 31, 1999**
EUT:	**9520-900MHz Spread Spectrum Frequency Hopping Cordless Telephone**
Temperature:	**23°C**
Humidity:	**25%**



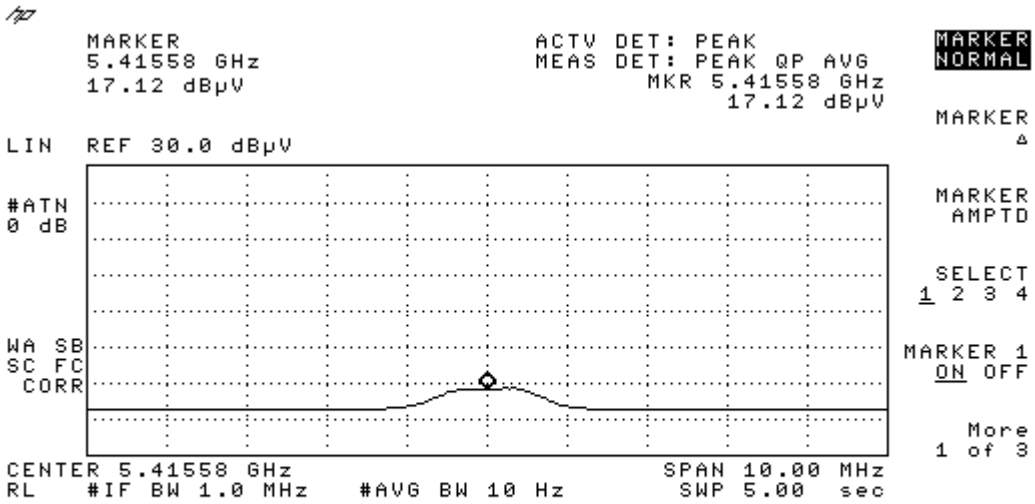
BASE 5th Harmonic Channel 1



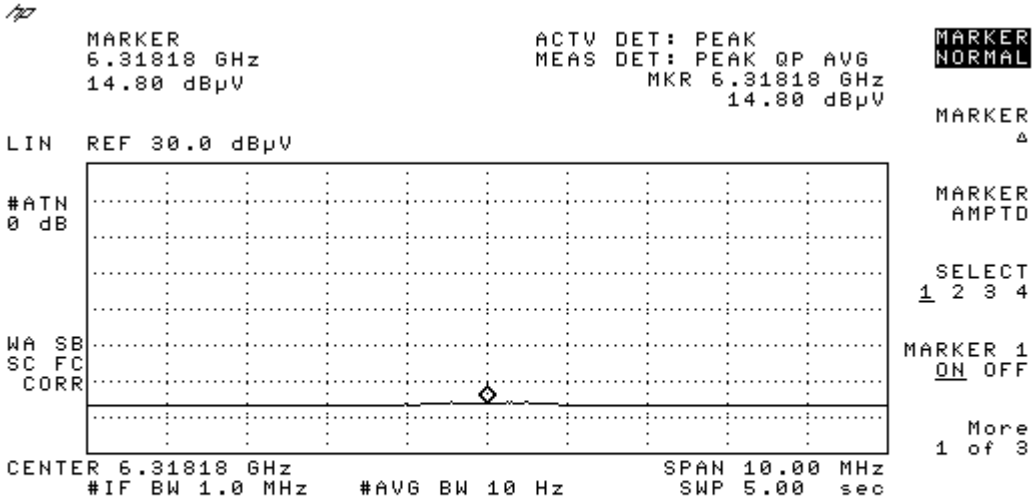
Connected Power Measurement at Antenna Port(s) 47 CFR 15.247(a)(b)(c)

Date:	**May 31, 1999**
EUT:	**9520-900MHz Spread Spectrum Frequency Hopping Cordless Telephone**
Temperature:	**23°C**
Humidity:	**25%**

BASE 6TH Harmonic



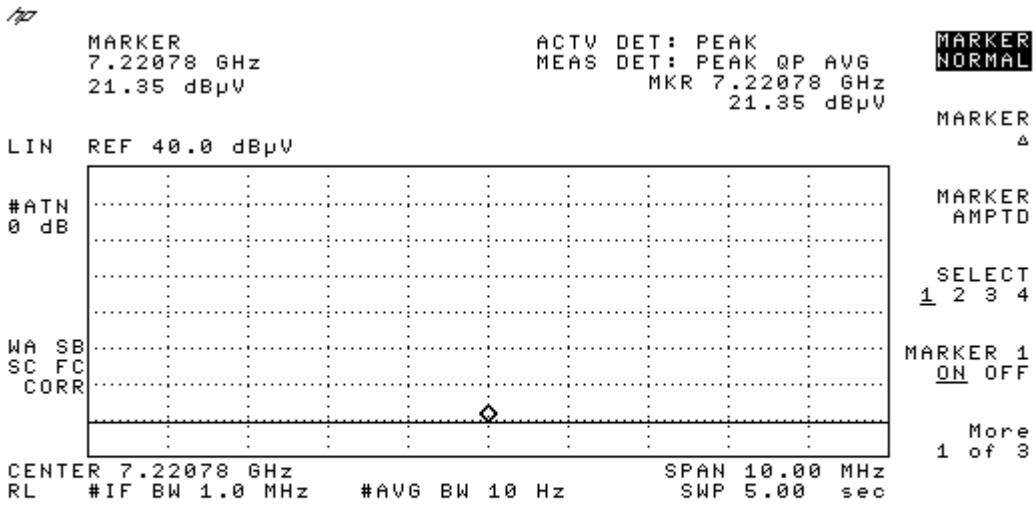
BASE 7th Harmonic Channel 1



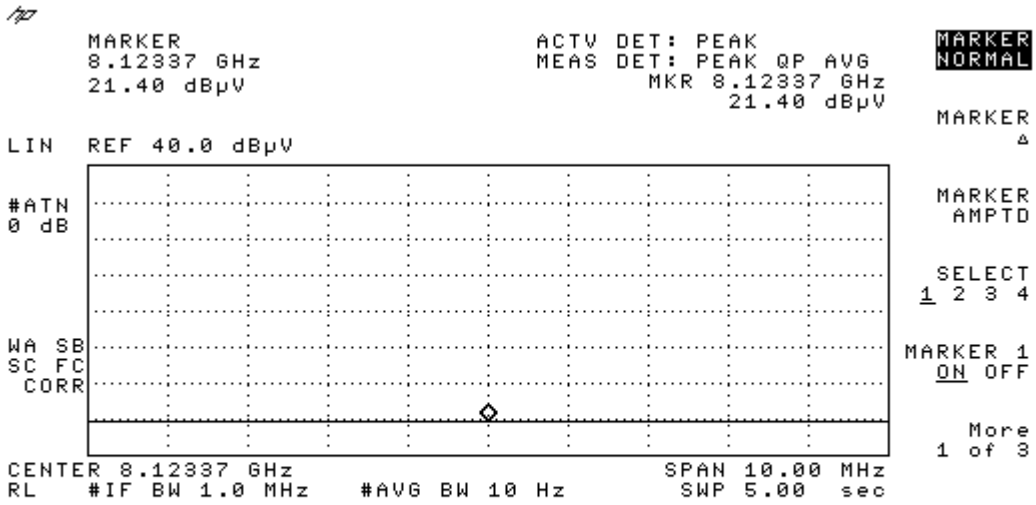
BASE 8TH Harmonic Channel 1

Connected Power Measurement at Antenna Port(s) 47 CFR 15.247(a)(b)(c)

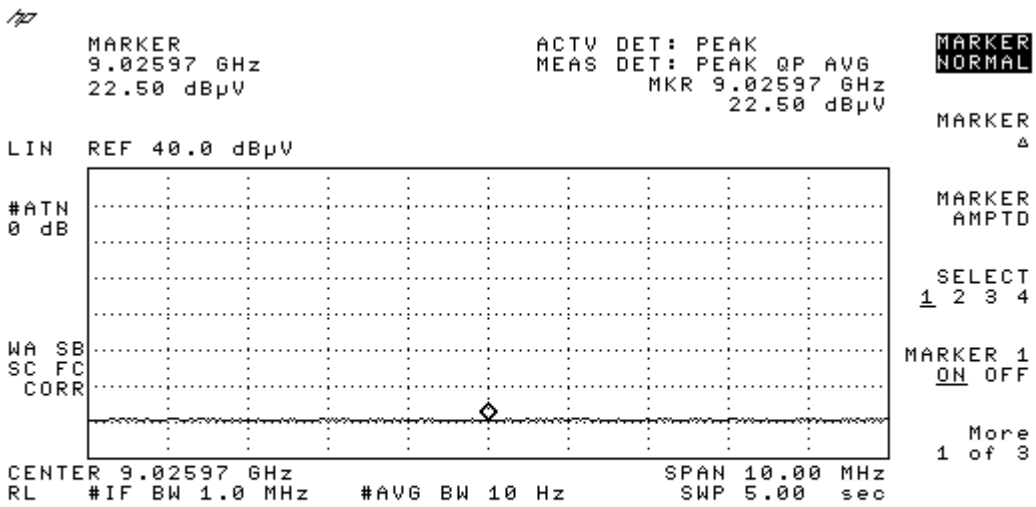
Date:	**May 31, 1999**
EUT:	**9520-900MHz Spread Spectrum Frequency Hopping Cordless Telephone**
Temperature:	**23°C**
Humidity:	**25%**



BASE 9th Harmonic Channel 1



BASE 10th Harmonic Channel 1

Connected Power Measurement at Antenna Port(s) 47 CFR 15.247(a)(b)(c)

Date:	**May 31, 1999**
EUT:	**9520-900MHz Spread Spectrum Frequency Hopping Cordless Telephone**
Temperature:	**23°C**
Humidity:	**25%**