**RADIATED EMISSIONS**

**DATA**

**FOR**

**KYOCERA WIRELESS**
**10300 Campus Point Drive**
**San Diego, CA 92121**

**Prepared by**

**TÜV AMERICA**
**10040 Mesa Rim Road**
**San Diego, CA 92121-2912**

Measurement Requirements (CFR 47 Part 15, Paragraphs 15.109(a) and 15.209(a); Part 22, Paragraph 22.917(b)(2); and Part 24, Paragraph 24.238(a))

The following measurements were performed by TÜV America. To the best of my knowledge these tests were conducted in accordance with the procedures outlined in Part 2 of the Commission's Rules and Regulations. The data presented below demonstrates compliance with the appropriate technical standards.

Testing Start Date: 24 May 2004

Testing End Date: 26 May 2004

- TÜV AMERICA, INC. -

Reviewing Engineer:

Jim Owen
(EMC Manager)

Test Engineer:

Alan Laudani
(EMC Engineer)

## Emissions Test Conditions: SPURIOUS RADIATED EMISSIONS

Roof (small open area test site)
SR-3, Shielded Room, 12' x 20' x 8', Metal Chamber (Prescans)

**The *Spurious Radiated Emissions* measurements were performed using the following equipment:**

**Test Equipment Used:**

| Model No. | Prop. No. | Description | Manufacturer | Serial No. | Date Cal'ed |
|---|---|---|---|---|---|
| HP8566B | 744 | Spectrum Analyzer | Hewlett Packard | 2618A02913 | 01/04 |
| AMF-5D-010180-35-10P | 719 | PreAmp | TUV America | 549460 | NCR* |
| 3115 | 453 | Antenna, Horn | Electro Mechanics Co | 3564 | 02/04 |
| FF6549-1 | 778 | 900 MHz High Pass Filter | Sage | 005 | NCR* |
| FF6549-2 | 783 | 900 MHz High Pass Filter | ABES | 008 | NCR* |
| 12A-18 | 6377 | Horn Antenna | MI Technologies | 21554MB | NCR* |
| Substitution Method Equipment List | | | | | |
| 3115 | 251 | Antenna, Horn | Electro Mechanics Co | 2595 | 01/04 |
| HP8350B | 6707 | Sweep Signal Generator | Hewlett Packard | 2749A09420 | NCR* |
| 1 Meter Prescan 30 MHz - 1000 MHz Equipment List | | | | | |
| CBL6111 | 461 | Bilog Antenna | Chase Electronics Li | 1291 | NCR* |
| E4440A | 6814 | Spectrum Analyzer | Hewlett Packard | MY42510441 | 08/03 |

**Remarks:** One year calibration cycle for all test equipment and sites. (*) No Calibration Required.

No emissions detected between 30 MHz to 1000 MHz. See Appendix for prescans.



TÜV AMERICA, INC. 10040 Mesa Rim Road San Diego, CA 92121-2912 Phone 858 678 1400 FAX 858 546 0364

# Technical Documentation

**Test Data Sheets**

**and**

**Test Setups**



TÜV AMERICA, INC. 10040 Mesa Rim Road San Diego, CA 92121-2912 Phone 858 678 1400 FAX 858 546 0364

**Kyocera Substitution SC402509**

Model K7LE K434LC
5/26/04
Mode Transmit PCS FCC 24.238(a)

| Frequency MHz | target level dBuV/m | Horn Gain dBi | cable loss dB | Signal Generator dBm | Total (EIRP) dBm | Spec dBm | Margin Subst. dBm |
|---|---|---|---|---|---|---|---|

No emissions needed substitution

Substitution Procedure:
1. Select emissions that pass with less than 20 dB margin, note the Target level -- reading on spectrum analyzer.
2. Duplicate this targeted reading with Signal Generator, allowing for antenna horn gain and cable insertion loss.
3. Compare calculated power output to specification.

Tested by A. Laudani

Reviewed by J. Owen



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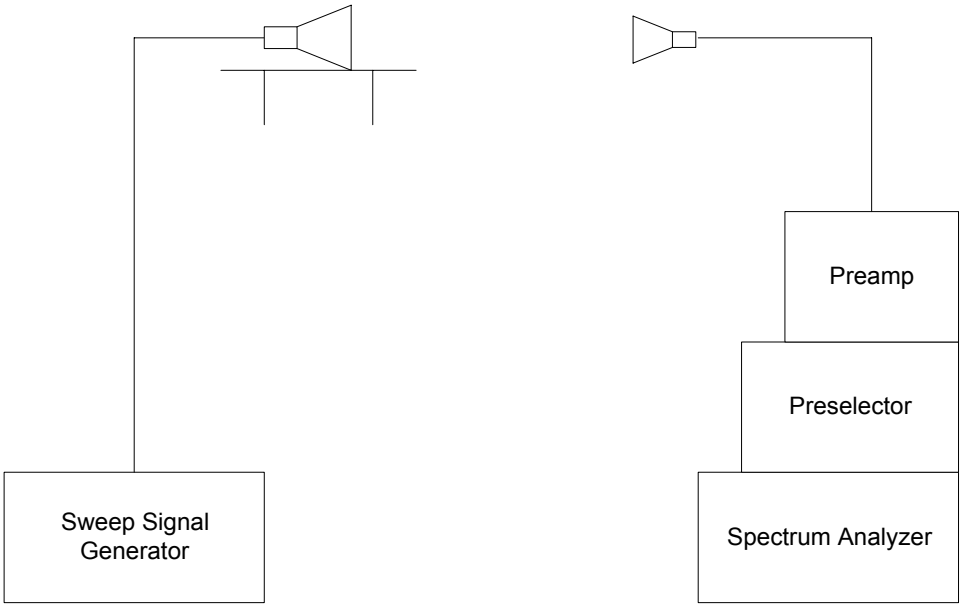
**Test Setup for Substitution Method**






TÜV AMERICA, INC. 10040 Mesa Rim Road San Diego, CA 92121-2912 Phone 858 678 1400 FAX 858 546 0364

REPORT No: SC402509 TESTER: Alan Laudani SPEC: FCC Part 15 para 15.109(a)

CUSTOMER: Kyocera Wireless Corporation TEST DIST: 3 Meters

E U T: K7LE Trimode Color Rave TEST SITE: Roof
"K434LC" sn 7A-X----0W9LDG

EUT MODE: Receive CDMA rx Synth BICONICAL: N/A

DATE: May 25, 2004 LOG: N/A

NOTES: Temp. 19°C, RH = 60 % OTHER: 453
above 1GHz: RBW & VBW 1 MHz for Pk; RBW 1MHz and VBW 10Hz for AVG

CF = Antenna Factor + Cable Loss - Preamplifier Gain

| FREQ (MHz) | VERTICAL (dBuv) pk | VERTICAL (dBuv) av | HORIZONTAL (dBuv) pk | HORIZONTAL (dBuv) av | CF (dB/m) | MAX LEVEL (dBuV/m) pk | MAX LEVEL (dBuV/m) av | SPEC LIMIT (dBuV/m) pk | SPEC LIMIT (dBuV/m) av | MARGIN (dB) pk | MARGIN (dB) av | EUT Rotation | Antenna Height | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1739.4 | 46.6 | 34.8 | 45.5 | 34.9 | -9.1 | **37.5** | **25.8** | 74 | 54 | -36.5 | -28.2 | | 1 | noise floor |
| 3478.8 | 44.2 | 33.7 | 44.6 | 34.0 | -0.9 | **43.7** | **33.1** | 74 | 54 | -30.3 | -20.9 | | 1 | noise floor |
| 5218.2 | 44.9 | 33.9 | 45.2 | 33.9 | 1.9 | **47.1** | **35.8** | 74 | 54 | -26.9 | -18.2 | | 1 | noise floor |
| 6957.6 | 46.5 | 35.6 | 47.3 | 35.6 | 7.2 | **54.5** | **42.8** | 74 | 54 | -19.5 | -11.2 | | 1 | noise floor |
| 8697.0 | 46.9 | 36.2 | 47.5 | 36.2 | 9.3 | **56.8** | **45.5** | 74 | 54 | -17.2 | -8.5 | | 1 | noise floor |
| 10436.4 | 46.4 | 35.5 | 46.5 | 35.5 | 11.8 | **58.3** | **47.3** | 74 | 54 | -15.7 | -6.7 | | 1 | noise floor |
| 12175.8 | 44.9 | 34.3 | 45.7 | 34.4 | 13.0 | **58.7** | **47.4** | 74 | 54 | -15.3 | -6.6 | | 1 | noise floor |
| 13915.2 | 40.2 | 28.5 | 40.9 | 28.7 | 13.9 | **54.8** | **42.6** | 74 | 54 | -19.2 | -11.4 | | 1 | res bw = 100 kHz noise floor |
| 15654.6 | 39.5 | 28.4 | 38.8 | 28.5 | 15.5 | **55.0** | **44.0** | 74 | 54 | -19.0 | -10.0 | | 1 | res bw = 100 kHz noise floor |
| 17394.0 | 33.6 | 22.9 | 33.4 | 22.8 | 21.8 | **55.4** | **44.7** | 74 | 54 | -18.6 | -9.3 | | 1 | res bw = 30 kHz noise floor |
| | | | | | | | | | | | | | | |
| 1762.98 | 62.5 | 39.9 | 55.1 | 36.8 | -8.9 | **53.6** | **31.0** | 74 | 54 | -20.4 | -23.0 | | 1 | noise floor |
| 3525.96 | 45.3 | 33.2 | 44.7 | 33.2 | -0.8 | **44.5** | **32.4** | 74 | 54 | -29.5 | -21.6 | | 1 | noise floor |
| 5288.94 | 44.3 | 32.6 | 44.1 | 32.4 | 2.3 | **46.6** | **34.9** | 74 | 54 | -27.4 | -19.1 | | 1 | noise floor |
| 7051.92 | 46.4 | 35.5 | 46.4 | 35.5 | 7.4 | **53.8** | **42.9** | 74 | 54 | -20.2 | -11.1 | | 1 | noise floor |
| 8814.90 | 47.1 | 36.0 | 47.4 | 36.0 | 9.6 | **57.0** | **45.6** | 74 | 54 | -17.0 | -8.4 | | 1 | noise floor |
| 10577.88 | 46.9 | 35.7 | 46.8 | 35.3 | 12.2 | **59.1** | **47.9** | 74 | 54 | -14.9 | -6.1 | | 1 | noise floor |
| 12340.86 | 45.5 | 34.4 | 45.9 | 34.4 | 13.3 | **59.2** | **47.7** | 74 | 54 | -14.8 | -6.3 | | 1 | noise floor |
| 14103.84 | 38.5 | 28.5 | 39.1 | 28.7 | 13.7 | **52.8** | **42.4** | 74 | 54 | -21.2 | -11.6 | | 1 | res bw = 100 kHz noise floor |
| 15866.82 | 38.4 | 28.7 | 39.2 | 28.6 | 15.5 | **54.7** | **44.2** | 74 | 54 | -19.3 | -9.8 | | 1 | res bw = 100 kHz noise floor |
| 17629.80 | 33.1 | 23.4 | 33.6 | 23.5 | 23.0 | **56.6** | **46.5** | 74 | 54 | -17.4 | -7.5 | | 1 | res bw = 30 kHz noise floor |
| | | | | | | | | | | | | | | |
| 1786.62 | 48.7 | 36.1 | 48.9 | 36.4 | -8.8 | **40.1** | **27.6** | 74 | 54 | -33.9 | -26.4 | | 1 | noise floor |
| 3573.24 | 45.2 | 33.6 | 51.0 | 35.3 | -0.7 | **50.3** | **34.6** | 74 | 54 | -23.7 | -19.4 | | 1 | noise floor |
| 5359.86 | 42.8 | 32.1 | 43.2 | 32.0 | 2.8 | **46.0** | **34.9** | 74 | 54 | -28.0 | -19.1 | | 1 | noise floor |
| 7146.48 | 47.1 | 35.5 | 46.8 | 35.5 | 7.5 | **54.6** | **43.0** | 74 | 54 | -19.4 | -11.0 | | 1 | noise floor |
| 8933.1 | 47.5 | 36.1 | 47.8 | 36.2 | 9.8 | **57.6** | **46.0** | 74 | 54 | -16.4 | -8.0 | | 1 | noise floor |
| 10719.72 | 45.9 | 35.1 | 47.1 | 35.1 | 12.5 | **59.6** | **47.6** | 74 | 54 | -14.4 | -6.4 | | 1 | noise floor |
| 12506.34 | 37.6 | 28.3 | 37.1 | 28.4 | 13.6 | **51.2** | **42.0** | 74 | 54 | -22.8 | -12.0 | | 1 | noise floor |
| 14292.96 | 37.6 | 28.5 | 38.6 | 28.6 | 14.0 | **52.6** | **42.6** | 74 | 54 | -21.4 | -11.4 | | 1 | res bw = 100 kHz noise floor |
| 16079.58 | 38.8 | 28.7 | 39.1 | 28.7 | 15.4 | **54.5** | **44.1** | 74 | 54 | -19.5 | -9.9 | | 1 | res bw = 100 kHz noise floor |
| 17886.2 | 33.2 | 24.2 | 33.4 | 24.3 | 23.3 | **56.7** | **47.6** | 74 | 54 | -17.3 | -6.4 | | 1 | res bw = 30 kHz noise floor |

REPORT No: SC402509 TESTER: Alan Laudani SPEC: FCC Part 22 para 22.917(b)(2)

CUSTOMER: Kyocera Wireless Corporation TEST DIST: 3 Meters

E U T: K7LE Trimode Color Rave "K434LC" sn 7A-X----0W9LDG TEST SITE: Roof

EUT MODE: Transmit CDMA tx harmonics BICONICAL: N/A

DATE: May 25, 2004 ERP Factor 7 LOG: N/A

NOTES: Temp. 18°C, RH = 60 % HORN: 453

Part 22 - RBW 30 kHz

CF = Antenna Factor + Cable Loss - Preamplifier Gain 900 MHz Filter

v.beta1a

| FREQ (MHz) | VERTICAL (dBuv) pk | HORIZONTAL (dBuv) pk | CF (dB/m) | MAX LEVEL (dBm) pk | SPEC LIMIT (dBm) pk | MARGIN (dB) pk | EUT Rotation | Antenna Height | Notes |
|---|---|---|---|---|---|---|---|---|---|
| 824.7 | | | | | | | | | Fundamental (Low Band) |
| 1649.4 | 51.2 | 52.4 | -9.6 | **-54.6** | -13.0 | -41.6 | 227 | 1 | |
| 2474.1 | 41.2 | 41.9 | -5.8 | **-61.2** | -13.0 | -48.2 | | 1 | noise floor |
| 3298.8 | 44.8 | 44.1 | -1.5 | **-54.1** | -13.0 | -41.1 | | 1 | noise floor |
| 4123.5 | 44.9 | 45.0 | -0.5 | **-52.9** | -13.0 | -39.9 | | 1 | noise floor |
| 4948.2 | 45.4 | 43.8 | 0.3 | **-51.7** | -13.0 | -38.7 | | 1 | noise floor |
| 5772.9 | 42.9 | 44.5 | 4.8 | **-48.0** | -13.0 | -35.0 | | 1 | noise floor |
| 6597.6 | 47.4 | 46.9 | 6.3 | **-43.6** | -13.0 | -30.6 | | 1 | noise floor |
| 7422.3 | 46.7 | 46.5 | 7.8 | **-42.9** | -13.0 | -29.9 | | 1 | noise floor |
| 8247.0 | 47.3 | 47.4 | 8.6 | **-41.4** | -13.0 | -28.4 | | 1 | noise floor |
| | | | | | | | | | |
| 836.49 | | | | | | | | | Fundamental (Mid Band) |
| 1672.98 | 47.7 | 50.4 | -9.5 | **-56.5** | -13.0 | -43.5 | 177 | 1 | |
| 2509.47 | 48.0 | 46.5 | -5.6 | **-55.0** | -13.0 | -42.0 | | 1 | noise floor |
| 3345.96 | 45.4 | 45.1 | -1.4 | **-53.3** | -13.0 | -40.3 | | 1 | noise floor |
| 4182.45 | 46.1 | 45.6 | -0.7 | **-52.0** | -13.0 | -39.0 | | 1 | noise floor |
| 5018.94 | 45.4 | 45.6 | 0.6 | **-51.1** | -13.0 | -38.1 | | 1 | noise floor |
| 5855.43 | 48.0 | 48.3 | 5.2 | **-43.9** | -13.0 | -30.9 | | 1 | noise floor |
| 6691.92 | 46.7 | 46.6 | 6.6 | **-44.1** | -13.0 | -31.1 | | 1 | noise floor |
| 7528.41 | 46.9 | 47.4 | 7.9 | **-42.0** | -13.0 | -29.0 | | 1 | noise floor |
| 8364.90 | 47.3 | 48.3 | 8.7 | **-40.4** | -13.0 | -27.4 | | 1 | noise floor |
| | | | | | | | | | |
| 848.31 | | | | | | | | | Fundamental (High Band) |
| 1696.62 | 48.9 | 47.9 | -9.3 | **-57.8** | -13.0 | -44.8 | 0 | 1 | |
| 2544.93 | 51.8 | 47.1 | -5.4 | **-51.0** | -13.0 | -38.0 | | 1 | noise floor |
| 3393.24 | 45.9 | 53.2 | -1.2 | **-45.3** | -13.0 | -32.3 | | 1 | noise floor |
| 4241.55 | 46.3 | 46.4 | -0.9 | **-51.9** | -13.0 | -38.9 | | 1 | noise floor |
| 5089.86 | 44.5 | 45.6 | 1.1 | **-50.7** | -13.0 | -37.7 | | 1 | noise floor |
| 5938.17 | 48.3 | 48.5 | 5.5 | **-43.3** | -13.0 | -30.3 | | 1 | noise floor |
| 6786.48 | 46.9 | 47.0 | 6.8 | **-43.6** | -13.0 | -30.6 | | 1 | noise floor |
| 7634.79 | 46.5 | 46.4 | 8.0 | **-42.8** | -13.0 | -29.8 | | 1 | noise floor |
| 8483.1 | 46.9 | 47.0 | 8.8 | **-41.6** | -13.0 | -28.6 | | 1 | noise floor |

REPORT No: SC402509 TESTER: Alan Laudani SPEC: FCC Part 15 para 15.109(a)

CUSTOMER: Kyocera Wireless Corporation TEST DIST: 3 Meters

E U T: K7LE Trimode Color Rave "K434LC" sn 7A-X—0W9LDG TEST SITE: Roof

EUT MODE: Receive FM rx Synth BICONICAL: N/A

DATE: May 24, 2004 LOG: N/A

NOTES: Temp. 17°C, RH = 71 % OTHER: 453
above 1GHz: RBW & VBW 1 MHz for Pk; RBW 1MHz and VBW 10Hz for AVG

CF = Antenna Factor + Cable Loss - Preamplifier Gain 300 MHz Filter v.beta1a

| FREQ (MHz) | VERTICAL (dBuv) pk | VERTICAL (dBuv) av | HORIZONTAL (dBuv) pk | HORIZONTAL (dBuv) av | CF (dB/m) | MAX LEVEL (dBuV/m) pk | MAX LEVEL (dBuV/m) av | SPEC LIMIT (dBuV/m) pk | SPEC LIMIT (dBuV/m) av | MARGIN (dB) pk | MARGIN (dB) av | EUT Rotation | Antenna Height | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1738.104 | 47.0 | 35.3 | 47.1 | 35.4 | -9.1 | **38.0** | **26.3** | 74 | 54 | -36.0 | -27.7 | | 1 | noise floor |
| 3476.208 | 45.1 | 33.7 | 46.0 | 33.8 | -0.9 | **45.1** | **32.9** | 74 | 54 | -28.9 | -21.1 | | 1 | noise floor |
| 5214.312 | 44.4 | 32.9 | 44.4 | 33.0 | 1.9 | **46.3** | **34.9** | 74 | 54 | -27.7 | -19.1 | | 1 | noise floor |
| 6952.416 | 46.8 | 35.6 | 46.5 | 35.6 | 7.2 | **54.0** | **42.8** | 74 | 54 | -20.0 | -11.2 | | 1 | noise floor |
| 8690.520 | 47.2 | 36.1 | 47.9 | 36.2 | 9.3 | **57.2** | **45.5** | 74 | 54 | -16.8 | -8.5 | | 1 | noise floor |
| 10428.624 | 46.9 | 35.7 | 46.8 | 35.8 | 11.8 | **58.7** | **47.6** | 74 | 54 | -15.3 | -6.4 | | 1 | noise floor |
| 12166.728 | 45.7 | 34.2 | 45.1 | 34.3 | 13.0 | **58.7** | **47.3** | 74 | 54 | -15.3 | -6.7 | | 1 | noise floor |
| 13904.832 | 38.4 | 28.7 | 38.8 | 28.6 | 13.9 | **52.7** | **42.6** | 74 | 54 | -21.3 | -11.4 | | 1 | res bw = 100 kHz noise floor |
| 15642.936 | 40.3 | 28.6 | 38.9 | 28.8 | 15.5 | **55.8** | **44.3** | 74 | 54 | -18.2 | -9.7 | | 1 | res bw = 100 kHz noise floor |
| 17381.040 | 33.4 | 23.2 | 34.8 | 23.5 | 21.7 | **56.5** | **45.2** | 74 | 54 | -17.5 | -8.8 | | 1 | res bw = 30 kHz noise floor |
| | | | | | | | | | | | | | | |
| 1763.004 | 48.5 | 39.2 | 45.5 | 37.7 | -8.9 | **39.6** | **30.3** | 74 | 54 | -34.4 | -23.7 | | 1 | noise floor |
| 3526.008 | 45.3 | 33.6 | 44.5 | 33.5 | -0.8 | **44.5** | **32.8** | 74 | 54 | -29.5 | -21.2 | | 1 | noise floor |
| 5289.012 | 43.7 | 32.6 | 43.5 | 32.6 | 2.3 | **46.0** | **34.9** | 74 | 54 | -28.0 | -19.1 | | 1 | noise floor |
| 7052.016 | 46.7 | 35.6 | 46.8 | 35.6 | 7.4 | **54.2** | **43.0** | 74 | 54 | -19.8 | -11.0 | | 1 | noise floor |
| 8815.020 | 47.2 | 36.0 | 47.2 | 36.0 | 9.6 | **56.8** | **45.6** | 74 | 54 | -17.2 | -8.4 | | 1 | noise floor |
| 10578.024 | 47.8 | 35.4 | 46.9 | 35.7 | 12.2 | **60.0** | **47.9** | 74 | 54 | -14.0 | -6.1 | | 1 | noise floor |
| 12341.028 | 45.2 | 34.4 | 45.7 | 34.4 | 13.3 | **59.0** | **47.7** | 74 | 54 | -15.0 | -6.3 | | 1 | noise floor |
| 14104.032 | 35.8 | 28.7 | 37.8 | 28.8 | 13.7 | **51.5** | **42.5** | 74 | 54 | -22.5 | -11.5 | | 1 | res bw = 100 kHz noise floor |
| 15867.036 | 39.1 | 28.9 | 39.3 | 28.7 | 15.5 | **54.8** | **44.4** | 74 | 54 | -19.2 | -9.6 | | 1 | res bw = 100 kHz noise floor |
| 17630.040 | 34.5 | 23.0 | 33.7 | 23.0 | 23.0 | **57.5** | **46.0** | 74 | 54 | -16.5 | -8.0 | | 1 | res bw = 30 kHz noise floor |
| | | | | | | | | | | | | | | |
| 1787.964 | 51.2 | 37.5 | 48.8 | 35.9 | -8.8 | **42.4** | **28.7** | 74 | 54 | -31.6 | -25.3 | | 1 | noise floor |
| 3575.928 | 44.7 | 33.5 | 49.6 | 34.3 | -0.7 | **48.9** | **33.6** | 74 | 54 | -25.1 | -20.4 | | 1 | noise floor |
| 5363.892 | 43.0 | 31.7 | 43.2 | 31.8 | 2.8 | **46.0** | **34.6** | 74 | 54 | -28.0 | -19.4 | | 1 | noise floor |
| 7151.856 | 46.6 | 35.6 | 47.0 | 35.6 | 7.5 | **54.5** | **43.1** | 74 | 54 | -19.5 | -10.9 | | 1 | noise floor |
| 8939.820 | 47.4 | 36.3 | 47.1 | 36.3 | 9.9 | **57.3** | **46.2** | 74 | 54 | -16.7 | -7.8 | | 1 | noise floor |
| 10727.784 | 46.1 | 35.2 | 46.2 | 35.2 | 12.5 | **58.7** | **47.7** | 74 | 54 | -15.3 | -6.3 | | 1 | noise floor |
| 12515.748 | 49.1 | 38.6 | 50.3 | 38.6 | 13.6 | **63.9** | **52.2** | 74 | 54 | -10.1 | -1.8 | | 1 | noise floor |
| 14303.712 | 38.7 | 28.7 | 39.3 | 28.5 | 14.0 | **53.3** | **42.7** | 74 | 54 | -20.7 | -11.3 | | 1 | res bw = 100 kHz noise floor |
| 16091.676 | 33.9 | 28.8 | 40.4 | 28.9 | 15.4 | **55.8** | **44.3** | 74 | 54 | -18.2 | -9.7 | | 1 | res bw = 100 kHz noise floor |
| 17679.640 | 33.7 | 23.7 | 33.7 | 23.3 | 23.3 | **57.0** | **47.0** | 74 | 54 | -17.0 | -7.0 | | 1 | res bw = 30 kHz noise floor |



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REPORT No: SC402509 TESTER: Alan Laudani SPEC: FCC Part 22 para 22.917(b)(2)

CUSTOMER: Kyocera Wireless Corporation TEST DIST: 3 Meters

EUT: K7LE Trimode Color Rave TEST SITE: Roof
"K434LC" sn 7A-X----0W9LDG

EUT MODE: Transmit FM tx harmonics BICONICAL: N/A

DATE: May 26, 2004 ERP Factor 7 LOG: N/A

NOTES: Temp. 16°C, RH = 72 % HORN: 453
Part 22 - RBW 30 kHz

CF = Antenna Factor + Cable Loss - Preamplifier Gain 460 Notch Filter v.beta1a

| FREQ (MHz) | VERTICAL (dBuv) pk | HORIZONTAL (dBuv) pk | CF (dB/m) | MAX LEVEL (dBm) pk | SPEC LIMIT (dBm) pk | MARGIN (dB) pk | EUT Rotation | Antenna Height | Notes |
|---|---|---|---|---|---|---|---|---|---|
| 824.04 | | | | | | | | | Fundamental (Low Band) |
| 1648.08 | 49.2 | 48.6 | -9.7 | **-57.8** | -13.0 | -44.8 | 179 | 1 | |
| 2472.12 | 43.3 | 48.9 | -5.8 | **-54.3** | -13.0 | -41.3 | | 1 | noise floor |
| 3296.16 | **44.4** | 44.0 | -1.5 | **-54.5** | -13.0 | -41.5 | | 1 | noise floor |
| 4120.2 | 45.6 | 45.2 | -0.5 | **-52.3** | -13.0 | -39.3 | | 1 | noise floor |
| 4944.24 | 43.8 | 43.2 | 0.2 | **-53.3** | -13.0 | -40.3 | | 1 | noise floor |
| 5768.28 | 42.2 | 45.8 | 4.8 | **-46.7** | -13.0 | -33.7 | | 1 | noise floor |
| 6592.32 | 47.6 | 48.1 | 6.3 | **-42.9** | -13.0 | -29.9 | | 1 | noise floor |
| 7416.36 | 47.5 | 46.9 | 7.8 | **-42.1** | -13.0 | -29.1 | | 1 | noise floor |
| 8240.40 | 47.2 | 47.8 | 8.6 | **-41.0** | -13.0 | -28.0 | | 1 | noise floor |
| | | | | | | | | | |
| 836.49 | | | | | | | | | Fundamental (Mid Band) |
| 1672.98 | 46.7 | 45.6 | -9.5 | **-60.2** | -13.0 | -47.2 | 214 | 1 | |
| 2509.47 | 47.4 | 45.8 | -5.6 | **-55.6** | -13.0 | -42.6 | | 1 | noise floor |
| 3345.96 | 45.1 | 44.7 | -1.4 | **-53.6** | -13.0 | -40.6 | | 1 | noise floor |
| 4182.45 | 45.7 | 46.2 | -0.7 | **-51.9** | -13.0 | -38.9 | | 1 | noise floor |
| 5018.94 | 44.0 | 44.7 | 0.6 | **-52.0** | -13.0 | -39.0 | | 1 | noise floor |
| 5855.43 | 48.3 | 47.9 | 5.2 | **-43.9** | -13.0 | -30.9 | | 1 | noise floor |
| 6691.92 | 47.8 | 47.4 | 6.6 | **-43.0** | -13.0 | -30.0 | | 1 | noise floor |
| 7528.41 | 47.1 | 47.2 | 7.9 | **-42.2** | -13.0 | -29.2 | | 1 | noise floor |
| 8364.90 | 47.4 | 47.0 | 8.7 | **-41.3** | -13.0 | -28.3 | | 1 | noise floor |
| | | | | | | | | | |
| 848.97 | | | | | | | | | Fundamental (High Band) |
| 1697.94 | 45.8 | 43.5 | -9.3 | **-60.9** | -13.0 | -47.9 | 240 | 1 | |
| 2546.91 | 45.9 | 46.2 | -5.4 | **-56.6** | -13.0 | -43.6 | | 1 | noise floor |
| 3395.88 | 44.0 | 45.0 | -1.2 | **-53.5** | -13.0 | -40.5 | | 1 | noise floor |
| 4244.85 | 45.6 | 45.4 | -0.9 | **-52.7** | -13.0 | -39.7 | | 1 | noise floor |
| 5093.82 | 44.4 | 44.4 | 1.1 | **-51.9** | -13.0 | -38.9 | | 1 | noise floor |
| 5942.79 | 47.5 | 47.9 | 5.6 | **-43.9** | -13.0 | -30.9 | | 1 | noise floor |
| 6791.76 | 46.7 | 47.5 | 6.8 | **-43.1** | -13.0 | -30.1 | | 1 | noise floor |
| 7640.73 | 47.0 | 46.6 | 8.0 | **-42.3** | -13.0 | -29.3 | | 1 | noise floor |
| 8489.70 | 47.1 | 47.2 | 8.8 | **-41.4** | -13.0 | -28.4 | | 1 | noise floor |

REPORT No: SC402509 TESTER: Alan Laudani SPEC: FCC Part 15 para 15.109(a)

CUSTOMER: Kyocera Wireless Corporation TEST DIST: 3 Meters

EUT: K7LE Trimode Color Rave "K434LC" sn 7A-X----0W9LDG TEST SITE: Roof

EUT MODE: Receive PCS rx Synth BICONICAL: N/A

DATE: May 25, 2004 LOG: N/A

NOTES: Temp. 19°C, RH = 60 % OTHER: 453
above 1GHz: RBW & VBW 1 MHz for Pk; RBW 1MHz and VBW 10Hz for AVG

CF = Antenna Factor + Cable Loss - Preamplifier Gain 2000 Mkg Filter v.beta1a

| FREQ (MHz) | VERTICAL (dBuv) pk | VERTICAL (dBuv) av | HORIZONTAL (dBuv) pk | HORIZONTAL (dBuv) av | CF (dB/m) | MAX LEVEL (dBuV/m) pk | MAX LEVEL (dBuV/m) av | SPEC LIMIT (dBuV/m) pk | SPEC LIMIT (dBuV/m) av | MARGIN (dB) pk | MARGIN (dB) av | EUT Rotation | Antenna Height | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1716.667 | 44.7 | 33.7 | 44.2 | 33.7 | -9.2 | **35.5** | **24.5** | 74 | 54 | -38.5 | -29.5 | | 1 | noise floor |
| 3433.333 | 44.8 | 33.7 | 44.9 | 33.7 | -1.0 | **43.9** | **32.7** | 74 | 54 | -30.1 | -21.3 | | 1 | noise floor |
| 5150.000 | 44.6 | 33.7 | 44.4 | 33.6 | 1.5 | **46.1** | **35.2** | 74 | 54 | -27.9 | -18.8 | | 1 | noise floor |
| 6866.666 | 48.2 | 36.4 | 47.0 | 36.3 | 7.0 | **55.2** | **43.4** | 74 | 54 | -18.8 | -10.6 | | 1 | noise floor |
| 8583.333 | 47.4 | 36.5 | 47.2 | 36.4 | 9.0 | **56.4** | **45.5** | 74 | 54 | -17.6 | -8.5 | | 1 | noise floor |
| 10300.000 | 46.7 | 35.5 | 46.0 | 35.5 | 11.4 | **58.1** | **46.9** | 74 | 54 | -15.9 | -7.1 | | 1 | noise floor |
| 12016.666 | 45.1 | 34.5 | 45.8 | 34.5 | 12.7 | **58.5** | **47.2** | 74 | 54 | -15.5 | -6.8 | | 1 | noise floor |
| 13733.333 | 39.4 | 28.9 | 36.7 | 29.0 | 14.6 | **54.0** | **43.6** | 74 | 54 | -20.0 | -10.4 | | 1 | res bw = 100 kHz noise floor |
| 15449.999 | 38.7 | 29.0 | 39.1 | 28.8 | 15.6 | **54.7** | **44.6** | 74 | 54 | -19.3 | -9.4 | | 1 | res bw = 100 kHz noise floor |
| 17166.666 | 34.0 | 23.2 | 32.9 | 23.1 | 20.9 | **54.9** | **44.1** | 74 | 54 | -19.1 | -9.9 | | 1 | res bw = 30 kHz noise floor |
| 1742.222 | 45.2 | 33.6 | 44.3 | 33.6 | -9.0 | **36.2** | **24.6** | 74 | 54 | -37.8 | -29.4 | | 1 | noise floor |
| 3484.444 | 44.2 | 33.4 | 44.3 | 33.5 | -0.9 | **43.4** | **32.6** | 74 | 54 | -30.6 | -21.4 | | 1 | noise floor |
| 5226.667 | 44.0 | 33.3 | 43.6 | 33.4 | 2.0 | **46.0** | **35.4** | 74 | 54 | -28.0 | -18.6 | | 1 | noise floor |
| 6968.889 | 47.1 | 35.6 | 46.6 | 35.6 | 7.2 | **54.3** | **42.8** | 74 | 54 | -19.7 | -11.2 | | 1 | noise floor |
| 8711.111 | 46.9 | 36.1 | 46.7 | 36.1 | 9.3 | **56.2** | **45.4** | 74 | 54 | -17.8 | -8.6 | | 1 | noise floor |
| 10453.333 | 46.6 | 35.5 | 46.7 | 35.6 | 11.9 | **58.6** | **47.5** | 74 | 54 | -15.4 | -6.5 | | 1 | noise floor |
| 12195.555 | 45.9 | 34.3 | 45.8 | 34.3 | 13.1 | **59.0** | **47.4** | 74 | 54 | -15.0 | -6.6 | | 1 | noise floor |
| 13937.778 | 40.1 | 28.5 | 38.7 | 28.5 | 13.8 | **53.9** | **42.3** | 74 | 54 | -20.1 | -11.7 | | 1 | res bw = 100 kHz noise floor |
| 15680.000 | 38.5 | 28.5 | 39.1 | 28.6 | 15.5 | **54.6** | **44.1** | 74 | 54 | -19.4 | -9.9 | | 1 | res bw = 100 kHz noise floor |
| 17422.222 | 33.8 | 22.8 | 34.4 | 22.9 | 21.9 | **56.3** | **44.8** | 74 | 54 | -17.7 | -9.2 | | 1 | res bw = 30 kHz noise floor |
| 1767.777 | 44.3 | 33.4 | 45.3 | 33.5 | -8.9 | **36.4** | **24.6** | 74 | 54 | -37.6 | -29.4 | | 1 | noise floor |
| 3535.554 | 44.9 | 33.7 | 44.5 | 34.0 | -0.8 | **44.1** | **33.2** | 74 | 54 | -29.9 | -20.8 | | 1 | noise floor |
| 5303.331 | 39.6 | 33.3 | 45.6 | 33.2 | 2.4 | **48.0** | **35.7** | 74 | 54 | -26.0 | -18.3 | | 1 | noise floor |
| 7071.108 | 46.7 | 35.6 | 46.4 | 35.7 | 7.4 | **54.1** | **43.1** | 74 | 54 | -19.9 | -10.9 | | 1 | noise floor |
| 8838.885 | 47.8 | 36.1 | 46.6 | 36.1 | 9.6 | **57.4** | **45.7** | 74 | 54 | -16.6 | -8.3 | | 1 | noise floor |
| 10606.662 | 45.0 | 35.2 | 47.2 | 35.2 | 12.2 | **59.4** | **47.4** | 74 | 54 | -14.6 | -6.6 | | 1 | noise floor |
| 12374.439 | 45.1 | 34.3 | 45.9 | 34.3 | 13.4 | **59.3** | **47.7** | 74 | 54 | -14.7 | -6.3 | | 1 | noise floor |
| 14142.216 | 38.2 | 28.7 | 38.6 | 28.6 | 13.7 | **52.3** | **42.4** | 74 | 54 | -21.7 | -11.6 | | 1 | res bw = 100 kHz noise floor |
| 15909.993 | 39.0 | 28.7 | 40.0 | 28.7 | 15.4 | **55.4** | **44.1** | 74 | 54 | -18.6 | -9.9 | | 1 | res bw = 100 kHz noise floor |
| 17677.77 | 32.6 | 23.2 | 33.0 | 22.9 | 23.3 | **56.3** | **46.5** | 74 | 54 | -17.7 | -7.5 | | 1 | res bw = 30 kHz noise floor |



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REPORT No: SC402509 TESTER: Alan Laudani SPEC: FCC Part 15 para 15.209(a)

CUSTOMER: Kyocera Wireless Corporation TEST DIST: 3 Meters

E U T: K7LE Trimode Color Rave "K434LC" sn 7A-X----0W9LDG TEST SITE: Roof

EUT MODE: Transmit PCS tx Synth BICONICAL: N/A

DATE: May 25, 2004 LOG: N/A

NOTES: Temp: 18°C RH 60% OTHER: 453

above 1GHz: RBW & VBW 1 MHz for Pk; RBW 1MHz and VBW 10Hz for AVG

CF = Antenna Factor + Cable Loss - Preamplifier Gain 2000 MHz Filter

v.beta1a

| FREQ (MHz) | VERTICAL (dBuv) pk | VERTICAL (dBuv) av | HORIZONTAL (dBuv) pk | HORIZONTAL (dBuv) av | CF (dB/m) | MAX LEVEL (dBuV/m) pk | MAX LEVEL (dBuV/m) av | SPEC LIMIT (dBuV/m) pk | SPEC LIMIT (dBuV/m) av | MARGIN (dB) pk | MARGIN (dB) av | EUT Rotation | Antenna Height | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1481 | 55.7 | 38.9 | 58.6 | 35.8 | -10.8 | **47.8** | **28.1** | 74 | 54 | -26.2 | -25.9 | | 1 | noise floor |
| 2962 | 42.6 | 29.5 | 42.2 | 29.7 | -2.8 | **39.8** | **26.9** | 74 | 54 | -34.2 | -27.1 | | 1 | noise floor |
| 4443 | 41.7 | 28.6 | 41.7 | 28.3 | -1.6 | **40.1** | **27.0** | 74 | 54 | -33.9 | -27.0 | | 1 | noise floor |
| 5924 | 43.3 | 30.9 | 43.2 | 31.1 | 5.5 | **48.8** | **36.6** | 74 | 54 | -25.2 | -17.4 | | 1 | noise floor |
| 7405 | 46.8 | 35.8 | 47.8 | 37 | 7.8 | **55.6** | **44.8** | 74 | 54 | -18.4 | -9.2 | 225 | 1 | |
| 8886 | 47.7 | 35.5 | 46.6 | 36 | 9.7 | **57.4** | **45.7** | 74 | 54 | -16.6 | -8.3 | | 1 | noise floor |
| 10367 | 45.7 | 35 | 46.7 | 35 | 11.6 | **58.3** | **46.6** | 74 | 54 | -15.7 | -7.4 | | 1 | noise floor |
| 11848 | 45.8 | 34.5 | 45.8 | 34.4 | 12.8 | **58.6** | **47.3** | 74 | 54 | -15.4 | -6.7 | | 1 | noise floor |
| 13329 | 39.2 | 28.2 | 38.3 | 28.3 | 14.5 | **53.7** | **42.8** | 74 | 54 | -20.3 | -11.2 | | 1 | res bw = 100 kHz noise floor |
| 14810 | 39.5 | 29.2 | 38.8 | 28.9 | 15.2 | **54.7** | **44.4** | 74 | 54 | -19.3 | -9.6 | | 1 | res bw = 100 kHz noise floor |
| | | | | | | | | | | | | | | |
| 1504 | 46.9 | 35.4 | 47.4 | 35.4 | -10.6 | **36.8** | **24.8** | 74 | 54 | -37.2 | -29.2 | | 1 | noise floor |
| 3008 | 45.3 | 34.3 | 46.0 | 34.2 | -2.6 | **43.4** | **31.7** | 74 | 54 | -30.6 | -22.3 | | 1 | noise floor |
| 4512 | 45.6 | 34.8 | 45.4 | 34.8 | -1.7 | **43.9** | **33.1** | 74 | 54 | -30.1 | -20.9 | | 1 | noise floor |
| 6016 | 47.7 | 36.9 | 48.2 | 36.8 | 5.8 | **54.0** | **42.7** | 74 | 54 | -20.0 | -11.3 | | 1 | noise floor |
| 7520 | 47.5 | 36.3 | 48.8 | 38.4 | 7.9 | **56.7** | **46.3** | 74 | 54 | -17.3 | -7.7 | 230 | 1.1 | |
| 9024 | 47.8 | 36.3 | 46.9 | 36.2 | 10.0 | **57.8** | **46.3** | 74 | 54 | -16.2 | -7.7 | | 1 | noise floor |
| 10528 | 47.1 | 35.4 | 46.5 | 35.4 | 12.1 | **59.2** | **47.5** | 74 | 54 | -14.8 | -6.5 | | 1 | noise floor |
| 12032 | 46.3 | 34.9 | 46.5 | 34.9 | 12.8 | **59.3** | **47.7** | 74 | 54 | -14.7 | -6.3 | | 1 | noise floor |
| 13536 | 38.9 | 28.4 | 38.5 | 28.5 | 15.4 | **54.3** | **43.9** | 74 | 54 | -19.7 | -10.1 | | 1 | res bw = 100 kHz noise floor |
| 15040 | 39.6 | 29.1 | 38.9 | 28.9 | 15.8 | **55.4** | **44.9** | 74 | 54 | -18.6 | -9.1 | | 1 | res bw = 100 kHz noise floor |
| | | | | | | | | | | | | | | |
| 1527 | 46.8 | 35.2 | 46.4 | 35.3 | -10.4 | **36.4** | **24.9** | 74 | 54 | -37.6 | -29.1 | | 1 | noise floor |
| 3054 | 45.6 | 33.7 | 45.4 | 33.6 | -2.4 | **43.2** | **31.3** | 74 | 54 | -30.8 | -22.7 | | 1 | noise floor |
| 4581 | 45.5 | 34.8 | 46.2 | 34.7 | -1.4 | **44.8** | **33.4** | 74 | 54 | -29.2 | -20.6 | | 1 | noise floor |
| 6108 | 47.5 | 36.7 | 47.9 | 36.7 | 5.9 | **53.8** | **42.6** | 74 | 54 | -20.2 | -11.4 | | 1 | noise floor |
| 7635 | 48.8 | 38.6 | 50.9 | 40.6 | 8.0 | **58.9** | **48.6** | 74 | 54 | -15.1 | -5.4 | 240 | 1 | |
| 9162 | 48.1 | 36.3 | 48.0 | 36.3 | 9.7 | **57.8** | **46.0** | 74 | 54 | -16.2 | -8.0 | | 1 | noise floor |
| 10689 | 46.1 | 35.4 | 46.9 | 35.4 | 12.4 | **59.3** | **47.8** | 74 | 54 | -14.7 | -6.2 | | 1 | noise floor |
| 12216 | 45.6 | 34.6 | 46.1 | 34.5 | 13.1 | **59.2** | **47.7** | 74 | 54 | -14.8 | -6.3 | | 1 | noise floor |
| 13743 | 38.2 | 28.4 | 38.7 | 28.9 | 14.6 | **53.3** | **43.5** | 74 | 54 | -20.7 | -10.5 | | 1 | res bw = 100 kHz noise floor |
| 15270 | 38.2 | 28.6 | 41.3 | 28.7 | 15.7 | **57.0** | **44.4** | 74 | 54 | -17.0 | -9.6 | | 1 | res bw = 100 kHz noise floor |

REPORT No: SC402509 TESTER: Alan Laudani SPEC: FCC Part 24 para 24.238(a)

CUSTOMER: Kyocera Wireless Corporation TEST DIST: 3 Meters

E U T: K7LE Trimode Color Rave "K434LC" sn 7A-X---0W9LDG TEST SITE: Roof

EUT MODE: Transmit PCS tx harmonics BICONICAL: N/A

DATE: May 25, 2004 EIRP Factor 5.5 LOG: N/A

NOTES: Temp. 16°C, RH = 64 % HORN: 453

Part 24 - RBW 1 MHz

CF = Antenna Factor + Cable Loss - Preamplifier Gain 2000 Mtz filter v.beta1a

| FREQ (MHz) | VERTICAL (dBuv) pk | | HORIZONTAL (dBuv) pk | | CF (dB/m) | MAX LEVEL (dBm) pk | | SPEC LIMIT (dBm) pk | | MARGIN (dB) pk | | EUT Rotation | | Antenna Height | | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1851.25 | | | | | | | | | | | | | | | | Fundamental (Low Band) |
| 3702.50 | 50.6 | | 51.6 | | -0.5 | **-44.2** | | -13.0 | | -31.2 | | 178 | | 1.2 | | |
| 5553.75 | 48.0 | | 46.9 | | 3.9 | **-43.3** | | -13.0 | | -30.3 | | 180 | | 1 | | |
| 7405.00 | 46.7 | | 47.2 | | 7.8 | **-40.3** | | -13.0 | | -27.3 | | | | 1 | | noise floor |
| 9256.25 | 48.2 | | 47.8 | | 9.5 | **-37.6** | | -13.0 | | -24.6 | | | | 1 | | noise floor |
| 11107.50 | 46.2 | | 46.3 | | 13.1 | **-35.9** | | -13.0 | | -22.9 | | | | 1 | | noise floor |
| 12958.75 | 50.4 | | 50.3 | | 12.5 | **-32.4** | | -13.0 | | -19.4 | | | | 1 | | noise floor |
| 14810.00 | 49.6 | | 50.8 | | 15.2 | **-29.2** | | -13.0 | | -16.2 | | | | 1 | | noise floor |
| 16661.25 | 50.5 | | 49.9 | | 18.2 | **-26.6** | | -13.0 | | -13.6 | | | | 1 | | noise floor |
| 18512.50 | 49.5 | | 49.2 | | 21.1 | **-24.7** | | -13.0 | | -11.7 | | | | 1 | | noise floor |
| | | | | | | | | | | | | | | | | |
| 1880 | | | | | | | | | | | | | | | | Fundamental (Mid Band) |
| 3760 | 49.1 | | 50.4 | | -0.4 | **-45.3** | | -13.0 | | -32.3 | | 163 | | 1.1 | | |
| 5640 | 45.8 | | 42.8 | | 4.3 | **-45.2** | | -13.0 | | -32.2 | | 300 | | 1 | | |
| 7520 | 49.1 | | 49.2 | | 7.9 | **-38.1** | | -13.0 | | -25.1 | | 240 | | 1 | | |
| 9400 | 47.5 | | 48.0 | | 9.2 | **-38.1** | | -13.0 | | -25.1 | | | | 1 | | noise floor |
| 11280 | 46.2 | | 45.8 | | 13.0 | **-36.0** | | -13.0 | | -23.0 | | | | 1 | | noise floor |
| 13160 | 50.6 | | 50.8 | | 13.4 | **-31.0** | | -13.0 | | -18.0 | | | | 1 | | noise floor |
| 15040 | 51.2 | | 50.3 | | 15.8 | **-28.3** | | -13.0 | | -15.3 | | | | 1 | | noise floor |
| 16920 | 50.0 | | 49.4 | | 19.7 | **-25.5** | | -13.0 | | -12.5 | | | | 1 | | noise floor |
| 18800 | 53.1 | | 53.1 | | 23.7 | **-18.5** | | -13.0 | | -5.5 | | | | 1 | | noise floor |
| | | | | | | | | | | | | | | | | |
| 1908.75 | | | | | | | | | | | | | | | | Fundamental (High Band) |
| 3817.50 | 53.1 | | 49.3 | | -0.4 | **-42.5** | | -13.0 | | -29.5 | | 170 | | 1.3 | | |
| 5726.25 | 45.3 | | 44.7 | | 4.7 | **-45.3** | | -13.0 | | -32.3 | | 130 | | 1 | | |
| 7635.00 | 51.8 | | 48.2 | | 8.0 | **-35.4** | | -13.0 | | -22.4 | | 152 | | 1.5 | | |
| 9543.75 | 48.7 | | 48.7 | | 9.1 | **-37.4** | | -13.0 | | -24.4 | | | | 1 | | noise floor |
| 11452.50 | 46.7 | | 45.5 | | 13.0 | **-35.6** | | -13.0 | | -22.6 | | | | 1 | | noise floor |
| 13361.25 | 50.3 | | 50.1 | | 14.7 | **-30.3** | | -13.0 | | -17.3 | | | | 1 | | noise floor |
| 15270.00 | 49.6 | | 50.2 | | 15.7 | **-28.4** | | -13.0 | | -16.4 | | | | 1 | | noise floor |
| 17178.75 | 49.8 | | 50.4 | | 20.9 | **-23.9** | | -13.0 | | -10.9 | | | | 1 | | noise floor |
| 19087.50 | 46.5 | | 48.5 | | 26.1 | **-20.6** | | -13.0 | | -7.63 | | | | 1 | | res bw 100 kHz -- noise floor |



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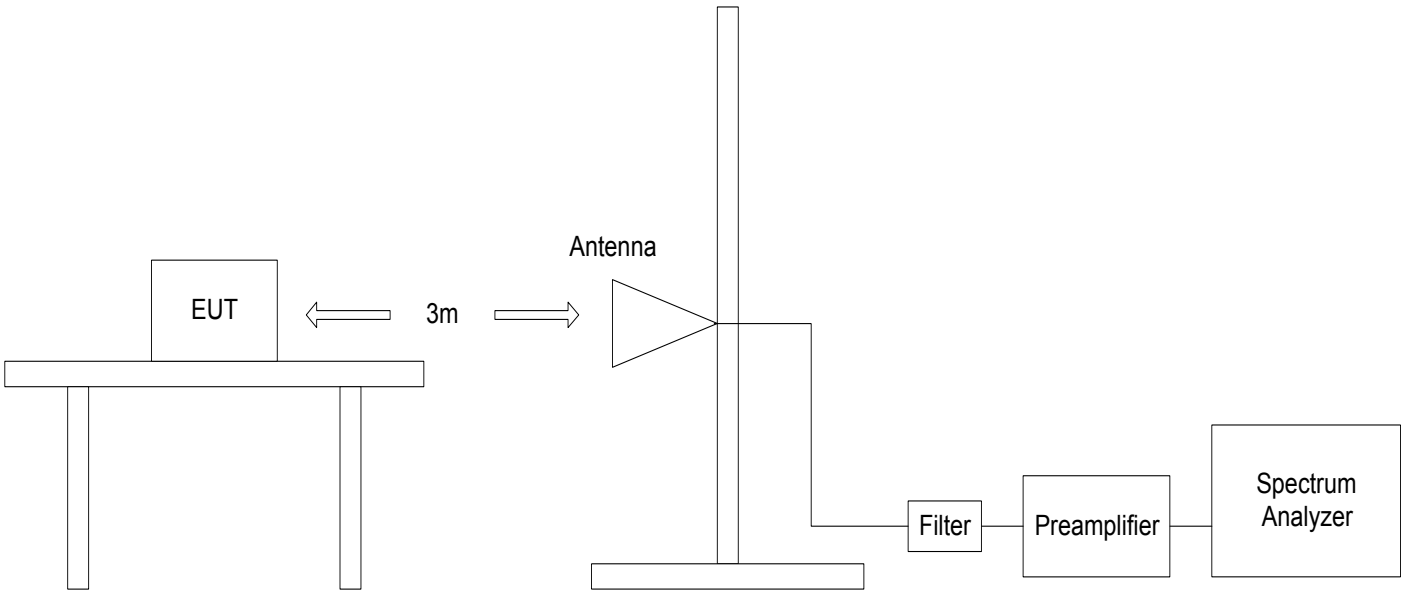
**Test Setup for Spurious Radiated Emissions**



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Photograph of Test Setup




TÜV AMERICA, INC. 10040 Mesa Rim Road San Diego, CA 92121-2912 Phone 858 678 1400 FAX 858 546 0364

Photograph of Test Setup




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# Appendix

**Supplemental Information**



TÜV AMERICA, INC. 10040 Mesa Rim Road San Diego, CA 92121-2912 Phone 858 678 1400 FAX 858 546 0364

TÜV AMERICA

# RADIATED RFI PRE-SCAN SHIELDED ROOM AT 1 METER

Test Report #: SC402509 Test Area: SR3

Test Method FCC 15.109(a) Date: MAY 26, 2004

EUT POWER:
☐ 230 Vac/50 Hz ☐ 120 Vac/60 Hz
☒ Other: BATTERY

EUT Model #: K7LE RAVE

EUT Description: "K434LC"

NOTES: MID CHANNEL Receive Mode (a)
1) PCS ; 2) CDMA ; 3) FM

| | FREQUENCY MHz | QUASI-PEAK dBµV | AVERAGE dBµV | FREQUENCY MHz | QUASI-PEAK dBµV | AVERAGE dBµV |
|---|---|---|---|---|---|---|
| 1) | No Emissions Found | | | | | |
| 2) | No Emissions Found | | | | | |
| 3) | No Emissions Found | | | | | |

Tested By: A. Landani (Printed) A. Landani (Signature)

NOTES: 1. 30 - 1000 MHz Scanned

2.



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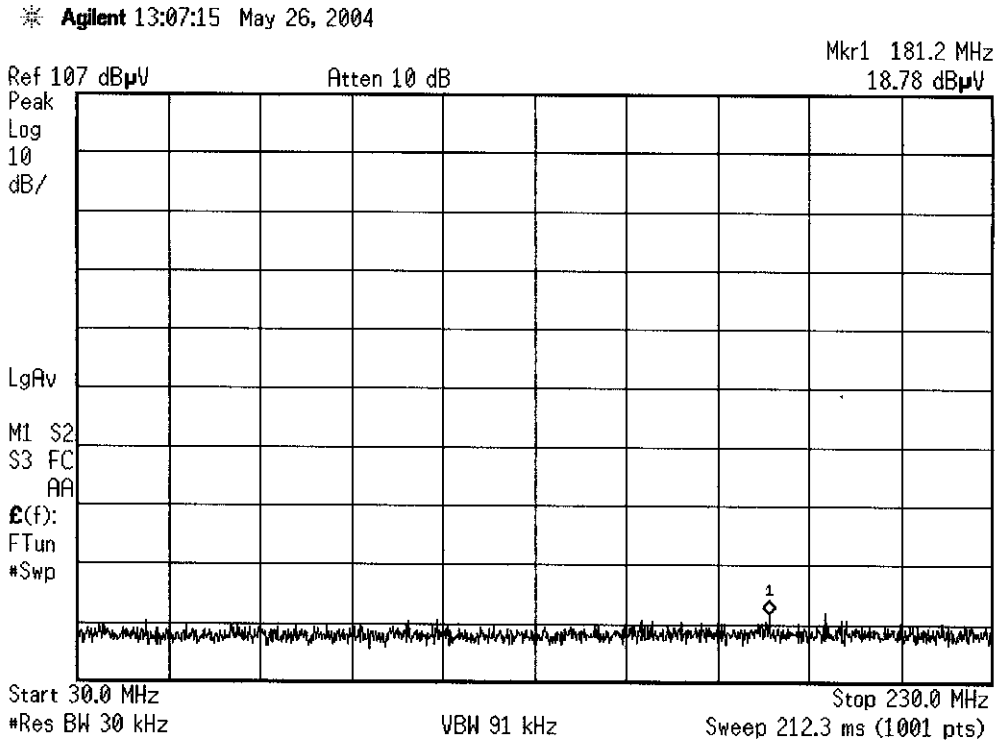


K7LE RAVE
CDMA

"K434LC"



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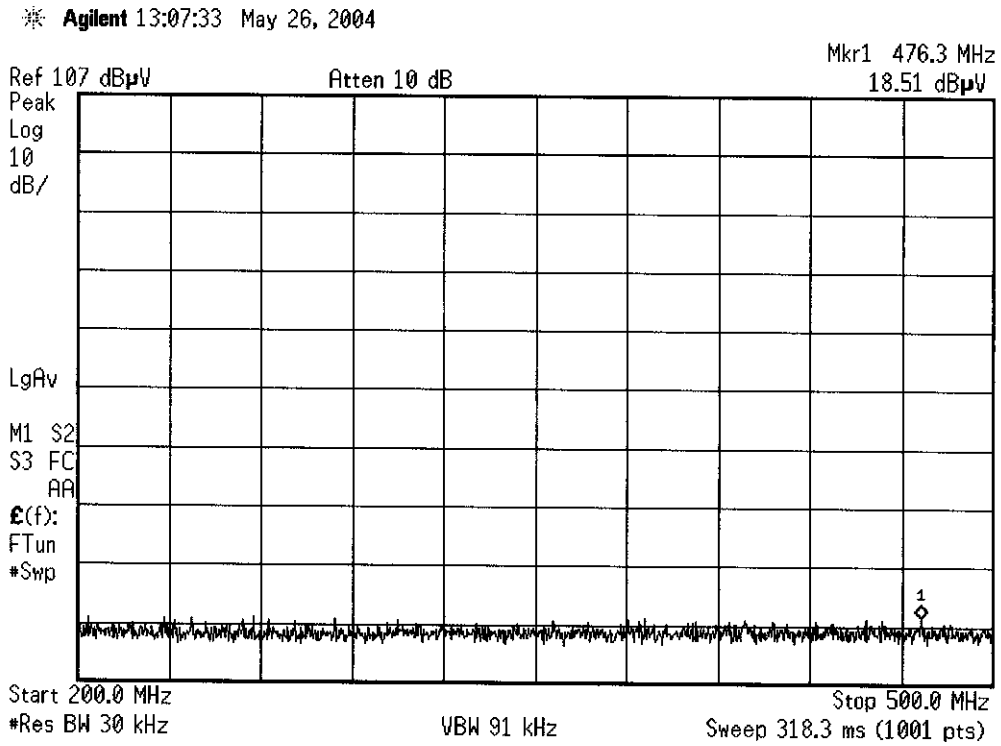


K 7LE
CDMA
"K434LC"



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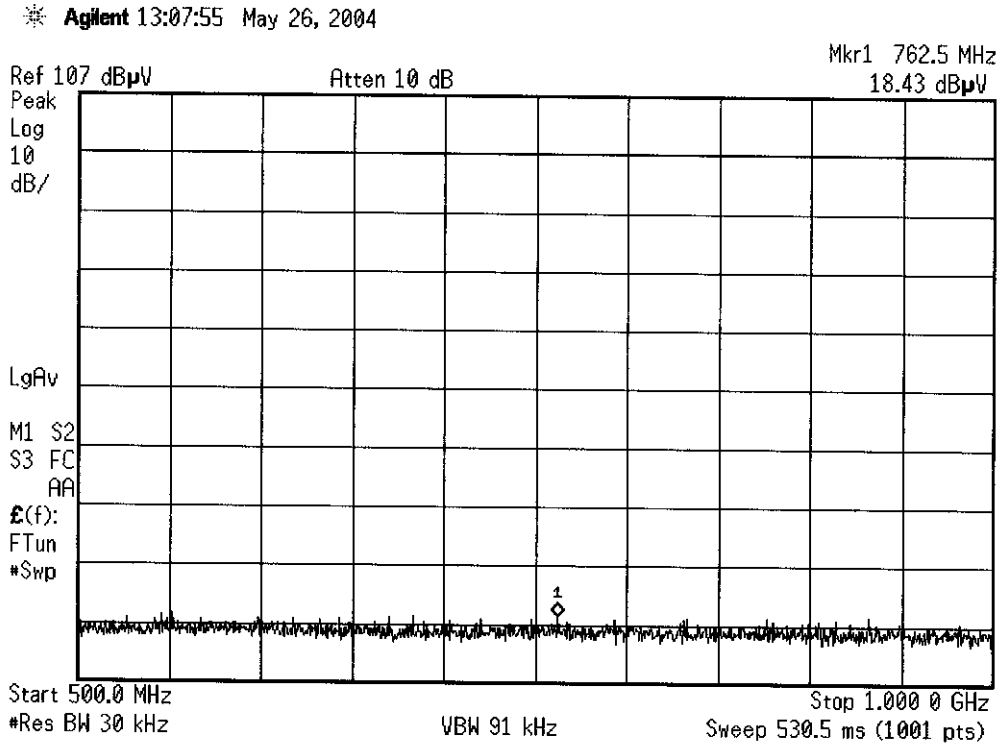


K7LE

CDMA

"K434LC"



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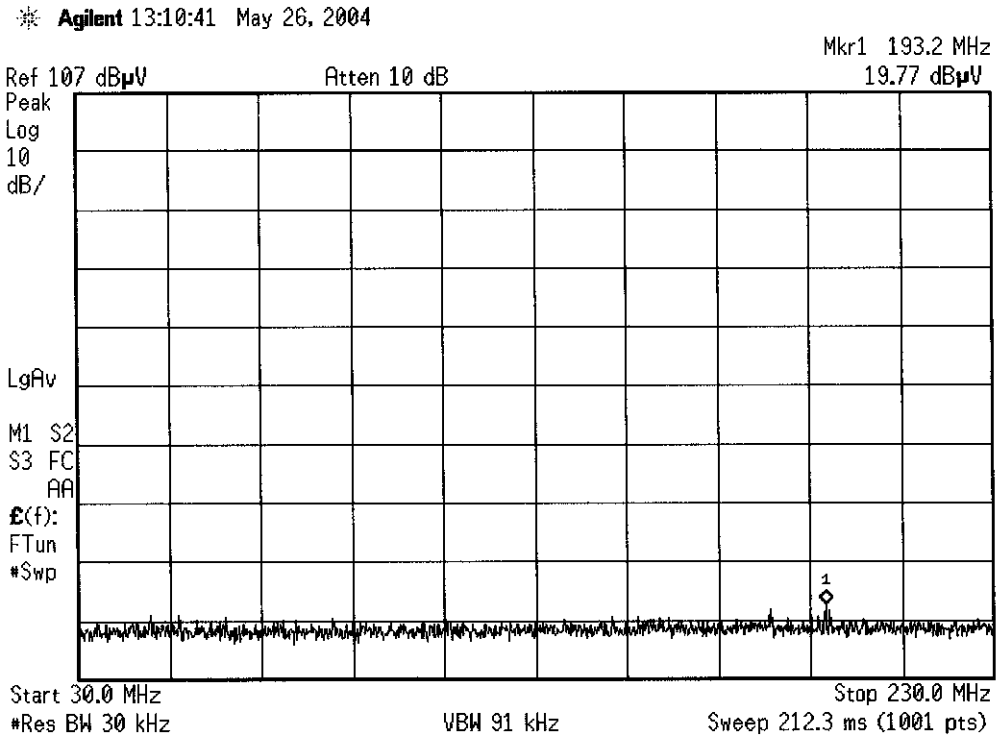


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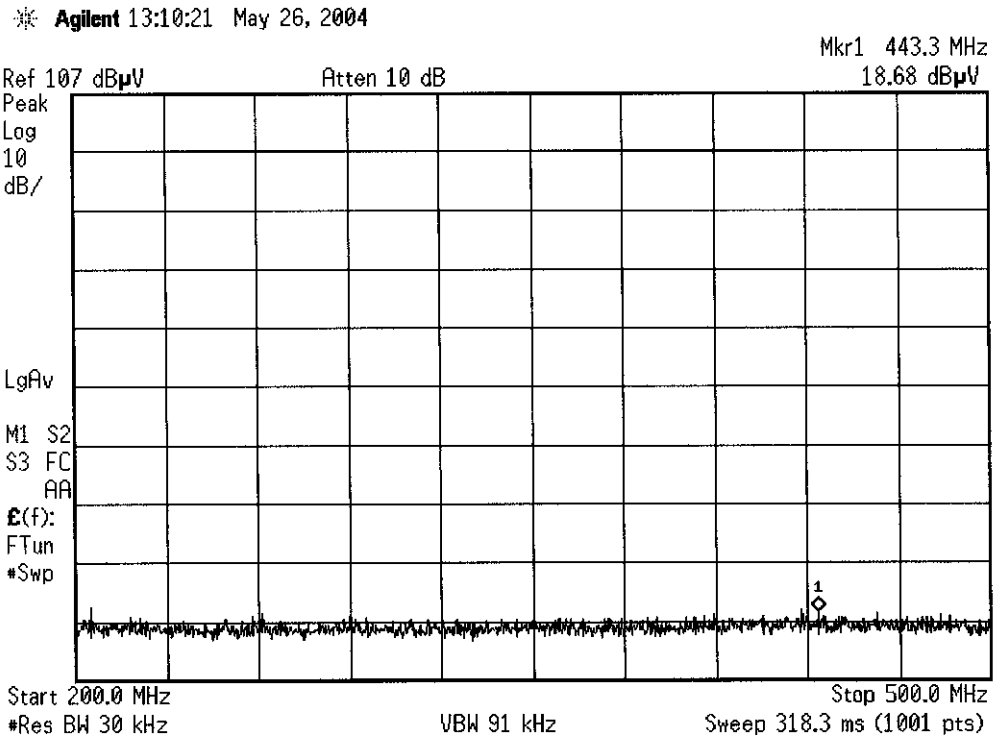


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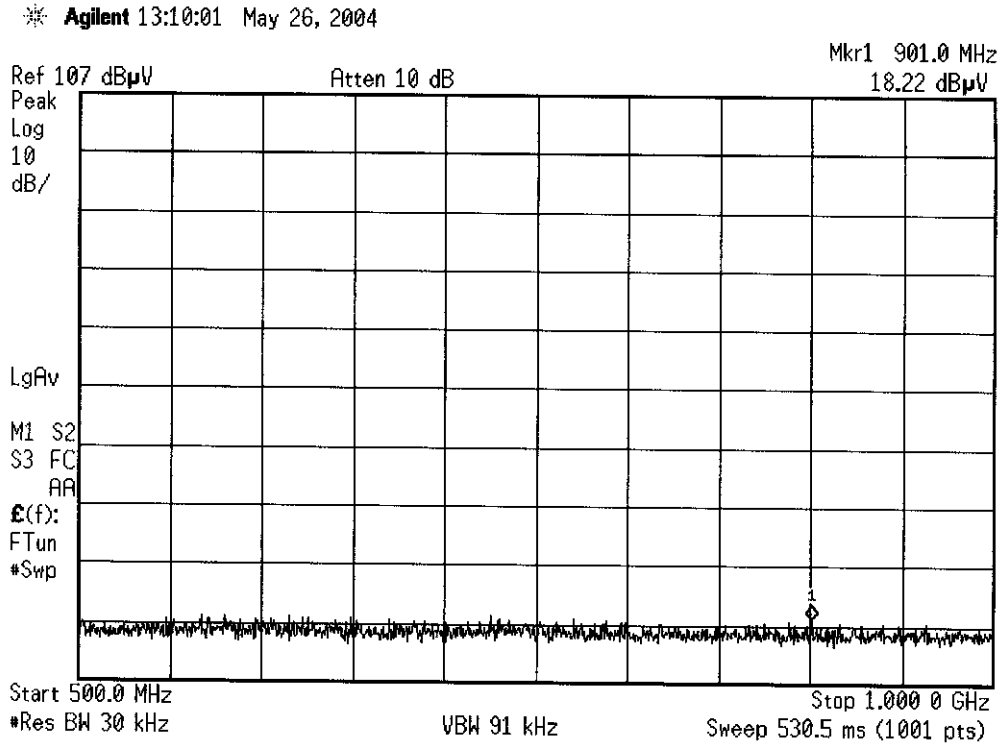


KYLE RAVE
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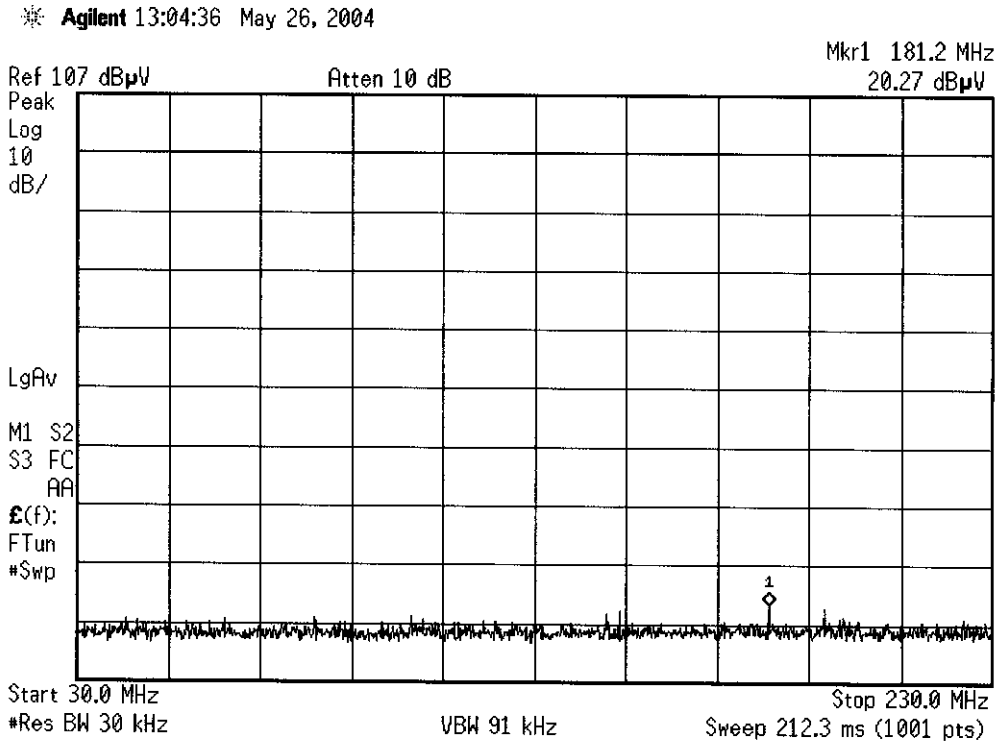


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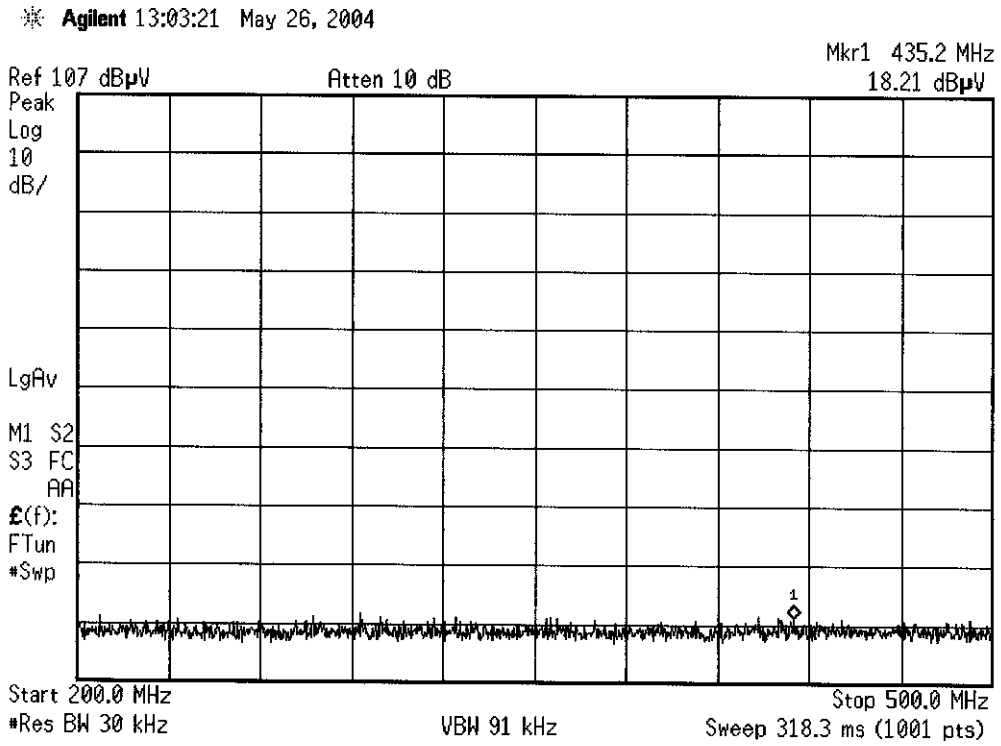


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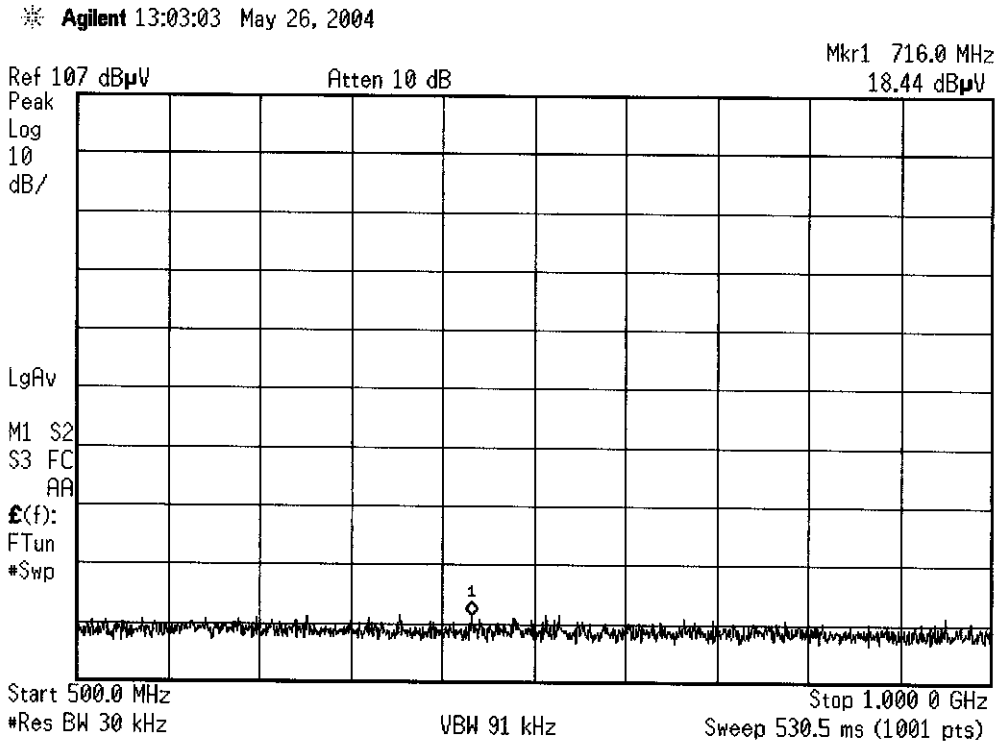


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