

**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 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.

A handwritten signature in black ink that reads 'FR Fleury'.

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Floyd R. Fleury  
EMC Manager

### Emissions Test Conditions: SPURIOUS RADIATED EMISSIONS

Roof (small open area test site)

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

#### Test Equipment Used:

Model No.	Prop. No.	Description	Manufacturer	Serial No.	Cal Date
HP8566B	720	Spectrum Analyzer	Hewlett Packard	2115A00842	07/02
AMF-5D-010180-35-10P	719	PreAmp	TUV America	549460	NCR*
Cable 1	731	30' Cable	United Microwave Prod	--	NCR*
Cable 2	756	10' Cable	United Microwave Prod	--	NCR*
Cable 3	6788	3' Cable	United Microwave Prod	--	NCR*
3115	251	Antenna, Horn	Electro Mechanics Co	2595	12/02
FF6549-2	783	2000 MHz High Pass Filter	Sage	008	NCR*

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

**Technical Documentation**

**Test Data Sheets**

**and**

**Test Setups**

REPORT No: SC301832      TESTER: Alan Laudani      SPEC: FCC Part 24 para 24.238(a)  
 CUSTOMER: Kyocera Wireless      TEST DIST: 3 Meters  
 E U T: KE4:3      TEST SITE: Roof  
 EUT MODE: Transmit PCS      BICONICAL: N/A  
 DATE: April 14, 2003      ERP/EIRP Factor 5.5      LOG: N/A  
 NOTES:      HORN: 251

Part 24 - RBW 1 MHz  
 CF = Antenna Factor + Cable Loss - Pre-amplifier Gain

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	126.1		-7.8	23.0					
3702.5	47.5	48.7	-0.4	-47.0	-13.0	-34.0	174	1.2	Fundamental (Low Band)
5553.75	39.9	40.1	4.5	-50.7	-13.0	-37.7			noise floor
7405	42.9	42.4	8.2	-44.2	-13.0	-31.2	251	1.2	
9256.25	45.3	44.5	10.4	-39.6	-13.0	-26.6			noise floor
11107.5	44.2	43.3	13.1	-37.9	-13.0	-24.9			noise floor
12968.75	47.1	47.4	12.7	-35.1	-13.0	-22.1			noise floor
14810	44.6	45.2	16.1	-33.9	-13.0	-20.9			noise floor
16661.25	45.8	46.4	18.5	-30.4	-13.0	-17.4			noise floor
1880	125.9								
3760	43.8	43.7	-7.6	23.0	-13.0	-38.7	190	1.2	Fundamental (Mid Band)
5640	38.3	38.5	4.7	-52.1	-13.0	-39.1			noise floor
7520	43.1	42.8	8.4	-43.7	-13.0	-30.7	248	1.2	
9400	42.2	43.1	10.0	-42.2	-13.0	-29.2			noise floor
11280	43.5	43.1	13.2	-38.6	-13.0	-25.6			noise floor
13160	45.4	46.0	13.2	-36.1	-13.0	-23.1			noise floor
15040	45.2	45.1	17.0	-33.0	-13.0	-20.0			noise floor
16920	43.9	43.9	19.5	-31.9	-13.0	-18.9			noise floor
1908.75	125.7								
3817.5	45.5	46.5	-7.4	23.0	-13.0	-35.9	233	1.2	Fundamental (High Band)
5726.25	39.6	38.6	-0.1	-48.9	-13.0	-37.7			noise floor
7635	42.3	44.1	4.9	-50.7	-13.0	-29.6	232	1	
9543.75	44.2	45.2	8.8	-40.3	-13.0	-27.3	253	1	
11452.5	43.6	43.5	13.3	-38.4	-13.0	-25.4			noise floor
13361.25	45.6	44.2	14.0	-35.7	-13.0	-22.7			noise floor
15270	44.6	44.8	17.3	-32.9	-13.0	-19.9			noise floor
17178.75	45.0	45.3	21.1	-28.8	-13.0	-15.8			noise floor

Photograph of Test Setup



Photograph of Test Setup



## Appendix

### Supplemental Information



