

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, Paragraph 15.109(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'.

Floyd R. Fleury
EMC Manager

Emissions Test Conditions: RADIATED EMISSIONS

Roof (small open area test site)

The *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 15 para 15.109(a)

CUSTOMER: Kyocera Wireless

TEST DIST: 3 Meters

E U T: KE413

TEST SITE: Roof

EUT MODE: Receive LO PCS

BICONICAL: N/A

DATE: Apr. 14, 2003

LOG: N/A

NOTES:

OTHER: 251

Above 1GHz: RBW & VBW 1 MHz for PK; RBW 1 MHz and VBW 10 Hz for AVG
CF = Antenna Factor + Cable Loss - Preampifier Gain

FREQ (MHz)	VERTICAL (dBuV)		HORIZONTAL (dBuV)		CF (dB/m)	MAX LEVEL (dBuV/m)		SPEC LIMIT (dBuV/m)		MARGIN (dB)		EUT Rotation	Antenna Height	Notes
	av	pk	pk	av		pk	av	pk	av	pk	av			
2114.85	48.0	41.9	47.4	40.0	-6.27	41.7	35.6	74	54	-32.3	-18.4	224	1	
4229.70	43.3	33.2	43.8	34.2	-0.06	43.7	34.1	74	54	-30.3	-19.9			noise floor
6344.55	43.4	32.7	42.2	32.8	5.49	48.9	38.3	74	54	-25.1	-15.7			noise floor
8459.40	43.9	32.6	44.1	32.8	9.91	54.0	42.7	74	54	-20.0	-11.3			noise floor
10574.25	43.7	33.1	43.4	33.0	12.33	56.0	45.4	74	54	-18.0	-8.6			noise floor
2143.6	49.6	42.6	48.1	41	-6.14	43.5	36.5	74	54	-30.5	-18	137	1	
4287.2	45.2	36	45	34.9	-0.17	45.0	35.8	74	54	-29	-18	241	1.1	
6430.8	43.3	33.4	43.3	32.9	5.44	48.7	38.8	74	54	-25.3	-15			noise floor
8574.4	42.5	32.7	42.5	32.4	10.16	52.7	42.9	74	54	-21.3	-11			noise floor
10718	42.8	33.1	43.7	33.1	12.59	56.3	45.7	74	54	-17.7	-8.3			noise floor
2172.35	46.2	37.1	47.1	37	-6.01	41.1	31.1	74	54	-32.9	-23	223	1	
4344.7	47.5	36.6	46.2	35.1	-0.29	47.2	36.3	74	54	-26.8	-18	197	1	
6517.05	41.6	31.8	42.6	30.9	5.46	48.1	37.3	74	54	-25.9	-17			noise floor
8689.4	43.0	33.2	43.9	33.5	10.42	54.3	43.9	74	54	-19.7	-10			noise floor
10861.75	43.5	33.4	42.9	33.3	12.85	56.4	46.3	74	54	-17.6	-7.7			noise floor

Photograph of Test Setup



Photograph of Test Setup

