

EXHIBIT VI.

Supplemental Test Report

New Certification of Previously Certified OEM Module

FCC ID: KBCIX260AC555-MPI

IX260 with Integrated Compact Flash WLAN

Certification Under Title 47 CFR, Part 15.247

Prepared On Behalf Of

ITRONIX, Corporation

South 801 Stevens St.
Spokane, WA 99204

Prepared

By

Spectrum Technology, Inc.
209 Dayton Street, Suite 205
Edmonds, WA 98020
425 771-4482

November 26, 2002

Exhibit VI

Supplemental Test Report

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Note: Please refer to the original Certification exhibits for all of the original test report data for the following Cisco Systems, Inc., Intentional Radiator referenced herein:

- 1.) **FCC ID: LDK102042**, IEEE 802.11(b), WLAN Compact Flash Card, Model: MPI-350 Series

EXHIBIT 6A TEST: CONDUCTED RF POWER OUTPUT

FCC ID: KBCIX260AC555-MPI

Applicant: ITRONIX, Corporation

Model: IX260 with MPI350 WLAN

Minimum Standard Specified: Part 15.247(b)(1) is 1 Watt for DSSS

Test Results: The measured output power level shows compliance with the above limit and the power granted for the OEM module.

Authorization Procedure: Part 2.1046

Maximum Conducted Power Output: 21.2 dBm

Method of Measurement:

1. The output power levels above had been preset during production for this model.
2. The peak output power was measured 12/10/02 by Celltech with a Gigatronics 8652A Universal Power Meter (S/N: 1835272). The measured channels cover the low, middle and top of the operational frequency range previously approved for this Intentional Radiator of 2412 – 2462 MHz.
4. Both antenna ports were measured, the results below were the maximum level measured.

Tabular Results of Conducted RF Output Power and EIRP

WLAN		Rangestar			
Serial No:		Antenna			
VMS06180144		P/N 100929			
Frequency	Power	Cable loss	Ant. Gain	EIRP	
GHz	dBm		dB		
2.412	21.2	-inc-	4.5	25.7	* max.
2.437	21.1	-inc-	4.5	25.6	
2.462	21.1	-inc-	4.5	25.6	

The maximum **WLAN** EIRP is 25.7 dBm with the Rangestar Antenna, P/N 100929, peak antenna gain of 4.5 dBi.

EXHIBIT 6G TEST: RADIATED HARMONICS AND SPURIOUS EMISSIONS

FCC ID: KBCIX260AC555-MPI

Applicant: ITRONIX, Corporation

Model: IX260 with MPI350 WLAN

Minimum Standard Specified: Part 15.247(c), 15.205 & 15.209(a)

Test Results: Equipment complies with standard

Authorization Procedure: Part 2.1053

Test Equipment Set Up: See Block Diagram in Exhibit 7

Frequency Range Observed: 0 to 25 GHz

Operating Frequencies **WLAN**: 2412, 2437, & 2462 MHz (2412 – 2462 MHz band)

Radiated Field Strength For Three Channels and Related Harmonics and Spurious

WLAN Frequency in GHz	Ant. Vert/ Horz	Spectrum Analyzer Reading dBuV	+ Ant Factor	- Amp Gain	+ Cable Loss	= dBuV/m @ 3 meters	or uV/m @ 3 meters
Ch. 1 Low 2.412	V	83.17	28.37	0	1.33	112.87	440047.94
Ch. 6 Mid 2.437	V	83.50	28.37	0	1.33	113.20	457088.18
Ch.11 High 2.462	V	83.83	28.37	0	1.33	113.53	474788.29

WLAN	Frequency in GHz	Harmonics observed	Limit 74 dBuV/m Peak & 54 dBuV/m Average
Ch. 1 -Low Fo	2.412		
2Fo - 10Fo	4.824 – 24.120	None, At or < noise floor @3m	All emissions < 54 dBuV/m or 500 uV/m
Ch. 6 -Mid Fo	2.437		
2Fo – 10Fo	4.874 – 24.370	None, At or < noise floor @3m	All emissions < 54 dBuV/m or 500 uV/m
Ch. 11 -High Fo	2.462		
2Fo - 10Fo	4.924 – 24.620	None, At or < noise floor @3m	All emissions < 54 dBuV/m or 500 uV/m

All harmonic and spurious emissions were below the limit. 2Fo and 3Fo were measurable during preliminary measurements at 1.0 meter with 100 kHz RBW only, but not at 3 meters with 1 MHz RBW. A HP preamplifier with over 20 dB of gain was used during the measurements of the harmonics. A high pass filter was used to reduce the fundamental signal and avoid the possibility of overloading the front end of the analyzer when using the preamp.

Test Notes:

- 1.) All harmonics in the restricted bands listed in Part 15.205 are below the Part 15.209(a) limit.
- 2.) No peak emissions above 1 GHz are more than 20 dB above the average limit.
- 3.) Peak measurements made with 1 MHz RBW & VBW, Average made with 1MHz RBW & 10 Hz VBW.
- 4.) One set of measurements was made for each antenna. The highest levels reported above were emanating from the right antenna port.