

**EXHIBIT VI.**

Test Report 2

Supplemental Test Report New Certification  
Of Previously Certified WLAN, Intentional Radiator

Under

FCC ID: KBCIX300AC750WLBT

IX300 GoBook Tablet PC

With AirCard 750, WLAN and Bluetooth

Part 15.247- DTS, Certification Requested

Prepared On Behalf Of

**ITRONIX, Corporation**

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By

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Exhibit VI

## Supplemental Test Report

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Equipment list and test set up photos are located in Exhibit 7

**Note:** Please refer to the OEM Certification exhibits under FCC ID: QDWWM168B, Model: WM168b-Molex for original test report data and confidential exhibits where appropriate.

**EXHIBIT 6A - TEST: CONDUCTED RF POWER OUTPUT**

Applicant: ITRONIX, Corporation

Model: IX300 with AirCard 750, (WAN), WM168b-Molex, (WLAN), MUBTC2-TH, (Bluetooth)

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

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: 16.03 dBm

Please be advised the conducted power output reported herein includes all associated factors and is representative of the actual maximum power output for this Intentional Radiator when operating installed in the IX300. The reported level supersedes any conducted power output reported in the previous OEM filing, a copy of which is uploaded with this filing for some of the supporting exhibits.

**Method of Measurement:**

1. The output power levels was adjusted to a maximum level for this model. (Setting 90)
2. The measured channels cover the low, middle and top of the operational frequency range previously approved for this Intentional Radiator of 2412 – 2462 MHz.

**Tabular Results of Conducted RF Output Power and EIRP**

WLAN					
Frequency GHz	Power dBm	Cable loss	Corrected Level dBm	Ant. Gain dBi	EIRP
2.412	15.45	.58	16.03	-3.04	12.99
2.437	15.30	.58	15.88	-3.04	12.84
2.462	14.97	.58	15.55	-3.04	12.51

The maximum WLAN EIRP is 12.99 dBm with the peak antenna gain of -3.04 dBi.

**EXHIBIT 6G - TEST: FIELD STRENGTH OF THREE FUNDAMENTAL OPERATING FREQUENCIES**

Applicant: ITRONIX, Corporation

FCC ID: KBCIX300AC750WLBT

Model: IX300 with AirCard 750, (WAN), WM168b-Molex, (WLAN), MUBTC2-TH, (Bluetooth)

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

Spectrum OATS at Fluke Park II Test Date: 02/11/04

Test Results: Equipment complies with standard

Authorization Procedure: Part 2.1053

Test Equipment Set Up: See Block Diagram in Exhibit 7

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

**Field Strength for Low, Mid and High Channel**

WLAN Channel & 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	69.47	28.37	0	3.28	101.12	113762.72
Ch. 6 Mid 2.437	V	67.06	28.37	0	3.28	98.71	86198.56
Ch.11 High 2.462	V	67.31	28.37	0	3.28	98.96	88715.60

**EXHIBIT 6 TEST: FIELD STRENGTH OF SPURIOUS RADIATED EMISSIONS**

FCC ID: KBCIX300AC750WLBT  
 Applicant: ITRONIX Corp.  
 Model: IX300 with AirCard 750, (WAN), WM168b- Molex, (WLAN), & MUBTC2-TH, (Bluetooth)  
 Minimum Standard Specified: Part 15.247(c)  
 Authorization Procedure: Part 2.1053  
 Frequency Range Observed: 0 to 25 GHz  
 Test Equipment Setup: See block diagram and photos in Exhibit 7  
 Date: 2/12/04

NOTE: Transmit on the low, mid & hi frequency with the WM168b-Molex, (WLAN) Intentional Radiator.

RADIATED HARMONIC AND SPURIOUS EMISSIONS & RESTRICTED BANDS									
Frequency GHz	Max. SA Rdg. dBu/V	Ant. Vert. or Horz.	Peak or Average Detector	Antenna Factor dB	Cable & filter loss dB	Amp Gain	Corrected Reading dBuV/m	Limit 74 Peak 54 Avg. dBu/V	Margin in dB below LIMIT
<b>Fo - 2.412</b>									
4.824	38.72	V	Peak	32.45	3.97	23.2	51.94	74	22.06
4.824	29.75	V	Average	32.45	3.97	23.2	42.97	54	11.03
7.236	39.27	V	Peak	36.77	3.42	25.9	53.56	74	20.44
7.236	29.16	V	Average	36.77	3.42	25.9	43.45	54	10.55
9.648	39.64	V	Peak	37.55	4.86	24.5	57.55	74	16.45
9.668	30.30	V	Average	37.55	4.86	24.5	48.21	54	5.79
<b>Fo - 2.437</b>									
4.874	41.66	V	Peak	32.45	3.97	23.2	54.88	74	19.12
4.874	30.49	V	Average	32.45	3.97	23.2	43.71	54	10.29
7.311	39.26	V	Peak	36.77	3.42	25.9	53.55	74	20.45
7.311	30.28	V	Average	36.77	3.42	25.9	44.57	54	9.45
9.748	40.13	V	Peak	37.55	4.86	24.7	57.84	74	16.16
9.748	30.42	V	Average	37.55	4.86	24.7	48.13	54	5.87
<b>Fo - 2.462</b>									
4.924	38.07	V	Peak	32.45	3.97	23.2	51.29	74	22.71
4.924	30.22	V	Average	32.45	3.97	23.2	43.42	54	10.58
7.386	39.48	V	Peak	36.77	3.42	25.9	53.77	74	20.23
7.386	29.34	V	Average	36.77	3.42	25.9	43.63	54	10.37
9.848	38.12	V	Peak	37.55	4.86	24.7	55.83	74	18.17
9.848	28.90	V	Average	37.55	4.86	24.7	46.61	54	7.39
<b>Harmonic emissions on all three channels (low, mid &amp; high) 5Fo - 10Fo at or below noise floor</b>									
Channel	Frequency in GHz	Harmonics Observed			Limit 74 dBuV/m Peak & 54 dBuV/m Average				
Low Ch.	2.412								
5Fo - 10Fo	12.060 - 24.120	None -at or < noise floor @3m			All emissions < 54 dBuV/m				
Mid Ch.	2.437								
5Fo - 10Fo	12.185 - 24.370	None -at or < noise floor @3m			All emissions < 54 dBuV/m				
High Ch.	2.4620								
5F o- 10Fo	12.400 - 24.620	None -at or < noise floor @3m			All emissions < 54 dBuV/m				

**EXHIBIT 6 TEST: FIELD STRENGTH OF SPURIOUS RADIATION EMISSIONS**

FCC ID: KBCIX300AC750WLBT  
 Applicant: ITRONIX Corp.  
 Model: IX300 with AirCard 750, (WAN), WM168b- Molex, (WLAN), & MUBTC2-TH, (Bluetooth)  
 Minimum Standard Specified: Part 15.247(c)  
 Authorization Procedure: Part 2.1053  
 Frequency Range Observed: 0 to 25 GHz Date: 2/12/04  
 Test Equipment Setup: See block diagram and photos in Exhibit 7

NOTE: Transmit on the low, mid & hi frequency with the WM168b-Molex, (WLAN) Intentional Radiator.

RADIATED HARMONIC AND SPURIOUS EMISSIONS & RESTRICTED BANDS									
Frequency GHz	Max. SA Rdg. dBu/V	Ant. Vert. or Horz.	Peak or Average Detector	Antenna Factor dB	Cable & filter loss dB	Amp Gain	Corrected Reading dBuV/m	Limit 74 Peak 54 Avg. dBu/V	Margin in dB below LIMIT
<b>Fo - 2.412</b>									
4.824	39.47	H	Peak	32.45	3.97	23.2	52.69	74	21.31
4.824	32.31	H	Average	32.45	3.97	23.2	45.51	54	8.49
7.236	39.04	H	Peak	36.77	3.42	25.9	53.33	74	20.67
7.236	29.21	H	Average	36.77	3.42	25.9	43.50	54	10.50
9.648	40.53	H	Peak	37.55	4.86	24.5	58.44	74	15.56
9.648	32.61	H	Average	37.55	4.86	24.5	50.52	54	3.48
<b>Fo - 2.437</b>									
4.874	39.95	H	Peak	32.45	3.97	23.2	53.17	74	20.83
4.874	32.28	H	Average	32.45	3.97	23.2	45.50	54	8.50
7.311	40.09	H	Peak	36.77	3.42	25.9	54.38	74	19.62
7.311	30.35	H	Average	36.77	3.42	25.9	44.64	54	9.36
9.748	40.25	H	Peak	37.55	4.86	24.7	57.96	74	16.04
9.748	31.88	H	Average	37.55	4.86	24.7	49.59	54	4.41
<b>Fo - 2.462</b>									
4.924	38.91	H	Peak	32.45	3.97	23.2	52.13	74	21.87
4.924	31.23	H	Average	32.45	3.97	23.2	44.43	54	9.57
7.386	40.19	H	Peak	36.77	3.42	25.9	54.48	74	19.52
7.386	29.55	H	Average	36.77	3.42	25.9	43.84	54	10.16
9.848	38.52	H	Peak	37.55	4.86	24.7	56.23	74	17.77
9.848	29.66	H	Average	37.55	4.86	24.7	47.37	54	6.63
<b>Harmonic emissions on all three channels (low, mid &amp; high) 5Fo - 10Fo at or below noise floor</b>									
Channel	Frequency in GHz	Harmonics Observed			Limit 74 dBuV/m Peak & 54 dBuV/m Average				
Low Ch.	2.412								
5Fo - 10Fo	12.060 - 24.120	None -at or < noise floor @3m			All emissions < 54 dBuV/m				
Mid Ch.	2.437								
5Fo - 10Fo	12.185 - 24.370	None -at or < noise floor @3m			All emissions < 54 dBuV/m				
High Ch.	2.4620								
5Fo - 10Fo	12.400 - 24.620	None -at or < noise floor @3m			All emissions < 54 dBuV/m				