

EXHIBIT VI.

Supplemental Test Report

New Certification of Previously Certified OEM Module

FCC ID: KBCIX260MPIRIM902

IX260 with Integrated Compact Flash WLAN

Co-located with a Part 90 transmitter

Certification Under Title 47 CFR, Part 15.247

Prepared On Behalf Of

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Exhibit VI

Supplemental Test Report

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Note: Please refer to the original Certification exhibits for all of the other test report data for the following ITRONIX Corporation, Intentional Radiator referenced herein:

1.) FCC ID: KBCIX260MPI350 which is the IX260 with WLAN Compact Flash Card, Model: MPI-352 Series

EXHIBIT 6A TEST: CONDUCTED RF POWER OUTPUT

FCC ID: KBCIX260MPIRIM902

Applicant: ITRONIX, Corporation

Model: IX260 with MPI350 WLAN and RIM902M-2-0

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: 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 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: FIELD STRENGTH OF THREE FUNDAMENTAL OPERATING FREQUENCIES

FCC ID: KBCIX260MPIRIM902

Applicant: ITRONIX, Corporation

Model: IX260 with MPI350 WLAN & RIM 902

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

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

Field Strength For Low Mid and High Channel

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	83.33	28.37	0	1.33	113.03	448229.05
Ch. 6 Mid 2.437	V	86.67	28.37	0	1.33	116.37	658415.42
Ch.11 High 2.462	V	86.50	28.37	0	1.33	116.20	645654.22

Measurements were made for both left and right antenna. The levels from the left antenna were found to be the highest and are reported above.

EXHIBIT 6G TEST: RADIATED HARMONICS AND SPURIOUS EMISSIONS

FCC ID: KBCIX260MPIRIM902

Applicant: ITRONIX, Corporation

Model: IX260 with MPI350 WLAN & RIM 902

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

Authorization Procedure: Part 2.1053

Test Equipment Set Up: See Block Diagram in Exhibit 7

RADIATED HARMONIC AND SPURIOUS EMISSIONS & RESTRICTED BANDS									
Frequency GHz	Max. SA Rdg. dBuV	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 dBuV	uV/m
Fo - 2.412									
4.824	37.00	V	Peak	32.83	3.95	23.2	50.58	74	338.06
4.824	24.00	V	Average	32.83	3.95	23.2	37.58	54	75.68
Fo - 2.437									
4.874	36.67	V	Peak	33.33	3.95	23.2	50.78	74	344.74
4.874	23.67	V	Average	33.33	3.95	23.2	37.75	54	77.17
Fo - 2.462									
4.924	36.67	V	Peak	33.33	3.95	23.2	50.75	74	344.74
4.924	23.00	V	Average	33.33	3.95	23.2	37.08	54	71.44
Harmonic emissions on all three channels (low, mid & high) 3Fo – 10Fo at or below noise floor									
Channel	Frequency in GHz	Harmonics observed				Limit 74 dBuV/m Peak & 54 dBuV/m Average			
Ch. 1 - Low Fo	2.412								
3Fo - 10Fo	7.236 – 24.120	None, At or < noise floor @3m				All emissions < 54 dBuV/m or 500 uV/m			
Ch. 6 - Mid Fo	2.437								
3Fo - 10Fo	7.311 – 24.370	None, At or < noise floor @3m				All emissions < 54 dBuV/m or 500 uV/m			
Ch. 11 - High Fo	2.462								
3Fo - 10Fo	7.386 – 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 less than 1.0 meter with 100 kHz RBW only. Only 2 Fo was measureable at three meters with 1 MHz RBW and VBW. 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 maximum levels reported above were emanating from the left antenna, with the levels marginally higher.