EXHIBIT VI.

Test Report

FCC ID: KBCIX260-PROAC555

IX260 GoBook PC

This Supplemental Test Report For

The WLAN Intentional Radiator

Under Part 15.247 DTS

Co-located with a Sierra Wireless AirCard 555

NOTE: The transmitters do not transmit at the same time

Prepared On Behalf Of

ITRONIX, Corporation

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By

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> June 28, 2004 Exhibit VI

Supplemental Test Report

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

Note: Please refer to the OEM Certification exhibits under FCC ID: WM3B2200BG, Intel Model: WM3B2200BG for original test report data and confidential exhibits where appropriate. The original test report is uploaded as a supporting exhibit along with this report.

FCC ID: KBCIX260-PROAC555

EXHIBIT 6A - TEST: CONDUCTED RF POWER OUTPUT

Applicant:	ITRONIX, Corporation
Model:	IX260 with AirCard 555 (WAN), & INTEL PRO WM3B2200BG, (WLAN)
Minimum Standard Specified:	Part 15.247(b) (1) is 1 Watt for DTS
Test Results:	The measured output power level shows compliance with the Limit and the power granted for the OEM module.
Authorization Procedure:	Part 2.1046

Maximum Conducted Power Output: 17.41dBm or 0.05508 mW

Please be advised that we wish to reference the conducted power output in the original Intel Report Number: INTEL-031111F. Specifically, on page 60 of the report the Maximum conducted output power for either (b) or (g) mode of operation is reported. This power level is representative of the maximum conducted power output for this Intentional Radiator module, the INTEL PRO WM3B2200BG, (WLAN). A copy of this referenced INTEL test report was uploaded with this filing for the conducted measurements data applicable to this module.

Conducted RF Output Power and EIRP with the Rangestar Antenna

WLAN								
These conducted power output below are the maximum values from Page 60 the original Intel								
Frequency	Power	Cable loss	Corrected	Ant. Gain	EIRP			
GHz	dBm		Level dBm	dBi				
2.412	17.26	0.15	17.41	4.5	21.91			
2.437	17.26	0.15	17.41	4.5	21.91			
2.462	17.21	0.15	17.21	4.5	21.71			

FCC ID: KBCIX260-PROAC555

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

Applicant:

FCC ID:

Model:

ITRONIX, Corporation

KBCIX260-PROAC555

IX260 with AC555, (WAN), & INTEL PRO, WM3B2200BG, (WLAN)

Minimum Standard Specified: Spectrum OATS at Fluke Park II Test Results: Authorization Procedure: Test Equipment Set Up: WLAN: Part 15.247(c), 15.205 & 15.209(a) Test Date: 06/21/04 Equipment complies with standard Part 2.1053 See Block Diagram in Exhibit 7 2412 – 2462 MHz band

Field Strength for Low, Mid and High Channel

WLAN 802.1	1(b)	Ant.	Spectrum	+	-	+	=	or
Channel	&	Vert/	Analyzer	Ant	Amp	Cable	dBuV/m	uV/m
Frequency	GHz	Horz	Reading	Factor	Gain	Loss	@ 3 meters	@ 3 meters
11 Mbps			dBuV					
Ch. 1 Low	2.412	V	63.23	28.37	0	3.56	95.16	57280
Ch. 6 Mid	2.437	V	62.0	28.37	0	3.76	94.13	50874
Ch.11 High	2.462	V	60.30	28.37	0	3.85	92.52	42267
Ch. 1 Low	2.412	Н	59.66	28.37	0	3.56	91.59	37975
Ch. 6 Mid	2.437	Н	59.96	28.37	0	3.76	92.09	40225
Ch.11 High	2.462	Н	57.77	28.37	0	3.85	89.99	31586

WLAN 802.1	1(g)	Ant.	Spectrum	+	-	+	=	or
Channel	&	Vert/	Analyzer	Ant	Amp	Cable	dBuV/m	uV/m
Frequency	GHz	Horz	Reading	Factor	Gain	Loss	@ 3 meters	@ 3 meters
54 Mbps			dBuV					
Ch. 1 Low	2.412	V	61.16	28.37	0	3.56	93.09	45133
Ch. 6 Mid	2.437	V	60.45	28.37	0	3.76	92.58	42560
Ch.11 High	2.462	V	59.78	28.37	0	3.85	92.0	39811
Ch. 1 Low	2.412	I	58.22	28.37	0	3.56	90.15	32174
Ch. 6 Mid	2.437	Η	58.0	28.37	0	3.76	90.13	32100
Ch.11 High	2.462	Η	57.28	28.37	0	3.85	89.50	29854

Note:

1. The gain was adjusted with the test software to the maximum conducted output power level for both modes of operation prior to starting the radiated emissions measurements.

FCC ID: KBCIX260-PROAC555

Date: 6/21/04

EXHIBIT 6 TEST: FIELD STRENGTH OF SPURIOUS RADIATED EMISSIONS

FCC ID:	KBCIX260-PROAC555		
Applicant:	ITRONIX Corp.		
Model:	IX260 with AC555, (WAN), INTE	L PRO, WM3B2200BG (WLAN	۷)
Minimum Standar	d Specified:	Part 15.247(c)	
Authorization Proc	cedure:	Part 2.1053	
Frequency Range	Observed:	0 to 25 GHz	Date: 6
Test Equipment S	setup:	See block diagram and phot	os in Exhibit 7

NOTE: WLAN 802.11(b) set for maximum data transfer rate 11 Mbps and max. power output.

RADIATED HARMONIC AND SPURIOUS EMISSIONS & RESTRICTED BANDS										
Frequency	Max.	Ant.	Peak or	Antenna	Cable &	Amp	Corrected	Limit	Margin	in
GHz	SA	Vert.	Average	Factor dB	filter loss	Gain	Reading	74 Peak	dB	
	Rdg.	or	Detector		dB		dBuV/m	54 Avg.	below	
— — — — — — — — — —	dBu/V	Horz.						dBu/V	LIMIT	
Fo - 2.412	40.00			00.45	0.07		E44E		40.05	
4.824	40.93	V	Peak	32.45	3.97	23.2	54.15	/4	19.85	,
4.824	26.55	V	Average	32.45	3.97	23.2	39.77	54	14.23	,
7.236	38.39	V	Peak	36.77	3.42	25.9	52.68	/4	21.32	
7.236	25.08	V	Average	36.77	3.42	25.9	39.37	54	14.63	,
9.648	37.95	V	Peak	37.55	4.86	24.5	55.86	74	18.14	ł
9.668	27.84	V	Average	37.55	4.86	24.5	45.75	54	8.25	
Fo – 2.437										
4.874	40.78	V	Peak	32.45	3.97	23.2	54.00	74	20.00	1
4.874	25.81	V	Average	32.45	3.97	23.2	39.03	54	14.97	
7.311	38.07	V	Peak	36.77	3.42	25.9	52.36	74	21.64	ł
7.311	24.84	V	Average	36.77	3.42	25.9	39.13	54	14.87	•
9.748	37.75	V	Peak	37.55	4.86	24.7	55.46	74	18.54	•
9.748	27.55	V	Average	37.55	4.86	24.7	45.26	54	8.74	
Fo – 2.462										
4.924	37.50	V	Peak	32.45	3.97	23.2	50.72	74	23.28	i
4.924	23.89	V	Average	32.45	3.97	23.2	37.11	54	16.89	1
7.386	38.12	V	Peak	36.77	3.42	25.9	52.41	74	21.59	1
7.386	24.92	V	Average	36.77	3.42	25.9	39.21	54	14.79	1
9.848	37.83	V	Peak	37.55	4.86	24.7	55.54	74	18.46)
9.848	26.34	V	Average	37.55	4.86	24.7	44.05	54	9.95	
Harm	onic emise	sions or	all three cha	nnels (low,	mid & high)	5Fo – ′	10Fo at or be	low noise	floor	
Channel	Freque	ency in	GHz Harmo	onics Obser	ved	Limit	74 dBuV/n	n Peak &		
	0.440						54 dBuV/r	n Average		
Low Ch.	2.412									
5F0 - 10F0	12.060) – 24.1	20 None	None -at or < noise floor @3m All emissions < 54 dBuV/m						
Mid Ch.	2.437						<u> </u>			
5F0 - 10F0	12.185	o – 24.3	/0 None	-at or < nois	e floor @3m	All	All emissions < 54 dBuV/m			
High Ch.	2.4620			-						
5F o- 10Fo	12.400) – 24.6	20 None	-at or < nois	e floor @3m	All	emissions <	54 dBuV/m		

FCC ID: KBCIX260-PROAC555

EXHIBIT 6 TEST: FIELD STRENGTH OF SPURIOUS RADIATION EMISSIONS

FCC ID:	KBCIX260-PROAC555		
Applicant:	ITRONIX Corp.		
Model:	IX260 with AC555, (WAN), Intel F	2RO, WM3B2200BG (WLAN)	
Minimum Standard	d Specified:	Part 15.247(c)	
Authorization Proc	edure:	Part 2.1053	
Frequency Range	Observed:	0 to 25 GHz	Date: 6/21/04
Test Equipment S	etup:	See block diagram and photos in Ex	khibit 7

NOTE: WLAN 802.11(b) set for maximum data transfer rate 11 Mbps and max. power output.

RADIATED HARMONIC AND SPURIOUS EMISSIONS & RESTRICTED BANDS										
Frequency	Max.	Ant.	Peak or	Antenna	Cable &	Amp	Corrected	Limit	Margin ir	n
GHz	SA	Vert.	Average	Factor dB	filter	Gain	Reading	74 Peak	dB	
	Rdg.	or	Detector		loss dB		dBuV/m	54 Avg.	below	
	dBu/V	Horz.						dBu/V	LIMIT	
Fo - 2.412				00.45			= 1 1 0			
4.824	37.96	н	Peak	32.45	3.97	23.2	51.18	74	22.82	
4.824	25.29	Н	Average	32.45	3.97	23.2	38.51	54	15.49	
7.236	36.20	Н	Peak	36.77	3.42	25.9	50.49	74	23.51	
7.236	24.90	Н	Average	36.77	3.42	25.9	39.19	54	14.81	
9.648	37.23	Н	Peak	37.55	4.86	24.5	55.14	74	18.86	
9.648	25.24	Н	Average	37.55	4.86	24.5	43.15	54	10.85	
Fo – 2.437										
4.874	37.40	Н	Peak	32.45	3.97	23.2	50.62	74	23.38	
4.874	25.35	Н	Average	32.45	3.97	23.2	38.57	54	15.43	
7.311	38.36	Н	Peak	36.77	3.42	25.9	52.65	74	21.35	
7.311	25.47	Н	Average	36.77	3.42	25.9	39.76	54	14.24	
9.748	38.09	Н	Peak	37.55	4.86	24.7	55.80	74	18.20	
9.748	28.55	Н	Average	37.55	4.86	24.7	46.26	54	7.74	
Fo – 2.462										
4.924	35.54	Н	Peak	32.45	3.97	23.2	48.76	74	25.24	
4.924	23.80	Н	Average	32.45	3.97	23.2	37.02	54	16.98	
7.386	38.66	Н	Peak	36.77	3.42	25.9	52.95	74	21.05	
7.386	25.83	Н	Average	36.77	3.42	25.9	40.12	54	13.88	
9.848	37.54	Н	Peak	37.55	4.86	24.7	55.25	74	18.75	
9.848	26.22	Н	Average	37.55	4.86	24.7	43.93	54	10.07	
Harn	nonic emi	ssions or	n all three cha	nnels (low, m	nid & high) <u>5Fo –</u>	10Fo at or be	elow noise	floor	
Channel	Frequ	uency in	GHz Harmo	nics Observe	ed	Limit	74 dBuV/r	n Peak &		
	0.440	<u>, </u>	54 dBuV/m Average							
Low Ch.	2.412	<u> </u>	00 Name		(la a n @ 0 m					
5F0 - 10F0	12.00	0 - 24.1	20 None -	None -at or < noise floor @3m All emissions < 54 dBuV/m			1			
Mid Ch.	2.437	04.0	70							
$\frac{3FU}{10F0}$	12.18	50 - 24.3	none -	at 01 < 110150	noor @sm	All	emissions <	54 UDUV/M		
	2.462	0 246	20 Nora	ot or a poise	floor @2m					
0-10-0	b 12.400 – 24.620 None -at or < noise floor @3m All emissions < 54 dBuV/m									

FCC ID: KBCIX260-PROAC555

Date: 6/21/04

EXHIBIT 6 TEST: FIELD STRENGTH OF SPURIOUS RADIATED EMISSIONS

FCC ID:	KBCIX260-PROAC55	5	
Applicant:	ITRONIX Corp.		
Model:	IX260 with AC555, (W	AN), INTEL PRO, WM3B2200BG (WL	_AN)
Minimum Standar	d Specified:	Part 15.247(c)	
Authorization Proc	cedure:	Part 2.1053	
Frequency Range	Observed:	0 to 25 GHz	Date: 6
Test Equipment S	etup:	See block diagram and p	hotos in Exhibit 7

NOTE: WLAN 802.11(g) set for maximum data transfer rate 54 Mbps and max. power output.

	RADIATED HARMONIC AND SPURIOUS EMISSIONS & RESTRICTED BANDS									
Frequency	Max.	Ant.	Peak or	Antenna	Cable &	Amp	Corrected	Limit	Margin	in
GHZ	SA	Vert.	Average	Factor dB	filter loss	Gain	Reading	74 Peak	dB	
		or	Detector		dВ		dBuv/m	54 AVg.		
Eo 2412	ubu/v							UDU/V		
1 824	37 31	V	Peak	32.45	3.07	23.2	50.53	7/	23 / 7	
4.024	2/ 21	V		32.45	3.97	23.2	37.43	5/	16 57	
7 236	38.31	V	Peak	36.77	3.42	25.2	52.60	74	21.40	
7.236	24.60	V V		36.77	3.42	25.0	38.98	54	15.02	
9.648	37.08	V	Peak	37.55	4.86	24.5	54.99	74	10.02	
9.668	23 71	V	Average	37.55	4.86	24.5	41 62	54	12.38	
Fo - 2.437			- neisge	000				•		
4.874	37.19	V	Peak	32.45	3.97	23.2	50.41	74	23.59	
4.874	23.48	V	Average	32.45	3.97	23.2	36.70	54	17.30	
7.311	38.07	V	Peak	36.77	3.42	25.9	52.36	74	21.64	
7.311	24.72	V	Average	36.77	3.42	25.9	39.01	54	14.99	
9.748	37.00	V	Peak	37.55	4.86	24.7	54.71	74	19.29	
9.748	23.99	V	Average	37.55	4.86	24.7	41.70	54	12.30	
Fo – 2.462										
4.924	34.94	V	Peak	32.45	3.97	23.2	48.16	74	25.84	
4.924	22.28	V	Average	32.45	3.97	23.2	35.50	54	18.50	
7.386	38.24	V	Peak	36.77	3.42	25.9	52.53	74	21.47	
7.386	25.37	V	Average	36.77	3.42	25.9	39.66	54	14.34	
9.848	36.78	V	Peak	37.55	4.86	24.7	54.49	74	19.51	
9.848	23.58	V	Average	37.55	4.86	24.7	41.29	54	12.71	
Harm	onic emise	sions or	all three cha	nnels (low,	mid & high)	5 Fo – 1	10Fo at or be	elow noise	floor	
Channel	Freque	ency in	GHz Harmo	onics Obser	ved	Limit	74 dBuV/r 54 dBuV/r	n Peak & n Average		
Low Ch.	2.412									
5Fo – 10Fo	12.060) – 24.1	120 None -at or < noise floor @3m All emissions < 54 dBuV/m			1				
Mid Ch.	2.437									
5Fo – 10Fo	12.185	5 - 24.3	70 None	-at or < nois	e floor @3m	3m All emissions < 54 dBuV/m				
High Ch.	2.4620									
5F o- 10Fo	12.400) - 24.6	20 None	-at or < nois	e floor @3m	All	emissions <	54 dBuV/m		

FCC ID: KBCIX260-PROAC555

EXHIBIT 6 TEST: FIELD STRENGTH OF SPURIOUS RADIATION EMISSIONS

FCC ID:	KBCIX260-PROAC555			
Applicant:	ITRONIX Corp.			
Model:	IX260 with AC555, (WAN), Intel F	PRO, WM3B2200BG, (WLAN)		
Minimum Standard	d Specified:	Part 15.247(c)		
Authorization Proc	edure:	Part 2.1053		
Frequency Range	Observed:	0 to 25 GHz Date: 6/21/04		
Test Equipment S	etup:	See block diagram and photos in Ex	xhibit 7	

NOTE: WLAN 802.11(g) set for maximum data transfer rate 54 Mbps and max. power output.

RADIATED HARMONIC AND SPURIOUS EMISSIONS & RESTRICTED BANDS										
Frequency	Max.	Ant.	Peak or	Antenna	Cable &	Amp	Corrected	Limit	Margin in	
GHz	SA	Vert.	Average	Factor dB	filter	Gain	Reading	74 Peak	dB	
	Rdg.	or	Detector		loss dB		dBuV/m	54 Avg.	below	
— — — — — — — — — —	dBu/V	Horz.						dBu/V	LIMIT	
Fo - 2.412	04.77		Deal	00.45	0.07	00.0	47.00	74	00.01	
4.824	34.77	н	Реак	32.45	3.97	23.2	47.99	74	26.01	
4.824	24.50	н	Average	32.45	3.97	23.2	37.72	54	16.28	
7.236	38.04	н	Реак	36.77	3.42	25.9	52.33	74	21.67	
7.236	25.12	н	Average	36.77	3.42	25.9	39.41	54	14.59	
9.648	37.22	Н	Peak	37.55	4.86	24.5	55.13	74	18.87	
9.648	24.47	Н	Average	37.55	4.86	24.5	42.38	54	11.62	
Fo – 2.437										
4.874	34.81	Н	Peak	32.45	3.97	23.2	48.03	74	25.97	
4.874	22.05	Н	Average	32.45	3.97	23.2	35.27	54	18.73	
7.311	38.63	Н	Peak	36.77	3.42	25.9	52.92	74	21.08	
7.311	25.32	Н	Average	36.77	3.42	25.9	39.61	54	14.39	
9.748	38.21	Н	Peak	37.55	4.86	24.7	55.92	74	18.08	
9.748	24.64	Н	Average	37.55	4.86	24.7	42.35	54	11.65	
Fo – 2.462										
4.924	35.21	Н	Peak	32.45	3.97	23.2	48.43	74	25.57	
4.924	22.01	Н	Average	32.45	3.97	23.2	35.23	54	18.77	
7.386	38.40	Н	Peak	36.77	3.42	25.9	52.69	74	21.31	
7.386	25.51	Н	Average	36.77	3.42	25.9	39.80	54	14.20	
9.848	36.99	Н	Peak	37.55	4.86	24.7	54.70	74	19.30	
9.848	24.10	Н	Average	37.55	4.86	24.7	41.81	54	12.19	
Harm	nonic emi	ssions o	n all three cha	nnels (low, n	nid & high) 5Fo –	10Fo at or be	elow noise	floor	
Channel	Frequ	uency in	GHz Harmo	Harmonics Observed		Limit	Limit 74 dBuV/m Peak &			
						54 dBuV/m Average				
Low Ch.	2.412									
5Fo – 10Fo	10Fo 12.060 – 24.120			None -at or < noise floor @3m			All emissions < 54 dBuV/m			
Mid Ch.	2.437									
5F0 – 10Fo	12.18	5 - 24.3	70 None -	at or < noise	tloor @3m	All	emissions <	54 dBuV/m		
High Ch.	2.462	0								
5F o- 10Fo	12.40	0 – 24.6	20 None -	None -at or < noise floor @3m All emissions < 54 dBuV/m						



Vertical Average





Horizontal Average





Vertical Average





Horizontal Average





Vertical Average





Horizontal Average





Vertical Average





Horizontal Average



TEST:	CONDUCTED SPURIOUS EMISSIONS
Manufacturer:	ITRONIX, Corporation.
Name:	IX260 Laptop PC
Model:	IX260 with AirCard 555 (WAN), INTEL PRO WM3B2200BG (WLAN)

Setup:

The equipment under test (EUT) was set up in accordance with the provisions of ANSI C63.4-2001, Section 7, on a 1 X 1.5-meter non-conductive test table at our Edmonds, Washington facility. The tabletop is 80 cm above a 2.5 x 2-meter horizontal ground plane and 40 cm forward from a 2.25 X 2.4-meter vertical ground plane. The two ground planes are continuously grounded along the common seam. The two 50 ohm/ 50 uHy Line Impedance Stabilization Networks (LISN) are grounded to the horizontal ground plane. The EUT was placed in a typical operational arrangement following the 10-cm spacing as detailed in Section 6.2 and 11.2, and the power cord of the EUT plugged into the first LISN. The signal output of this LISN was fed to the Agilent E7405 EMC analyzer using a 9 kHz bandwidth, which served as the measuring instrument. The peripheral equipment, if any was powered from a separate LISN.

Discussion:

Measurements of the AC power line conducted spurious emissions were made with the ITRONIX IX260 set up in a representative configuration. The frequency range from 150 kHz to 30 MHz was measured in detail. No modifications were made prior to the final compliance test.

Preliminary measurements were made as described in Section 7.2.3. The EUT was set up as an operational system. Measurements were made at the AC power input to the Delta Electronics 90 Watt AC adapter Model: ADP90AB REVB, which powered the IX260. Excess I/O cable lengths were draped .5 m straight down behind the equipment then back up to the device used to terminate the line. The system cables were carefully tuned during the preliminary measurements on all frequencies of significance endeavoring to maximize the emissions observed. The test setup photos in Exhibit 7 detail the exact cable and equipment configuration for this test.

This unit was set up to transmit with either the INTEL PRO WM3B2200BG (WLAN) or

the AirCard555 (WAN) transmitter. The transmitters <u>do not</u> transmit simultaneously so they were tested individually during the measurements. During the preliminary measurements this IX260 was set to transmit on the first the low, then mid and finally the high channels respectively in multiple sets of measurements covering operational range of both transmitters. Note that no measurable change in the conducted emissions activity was observed when the transmitters were turned on or off or varied over the channel combinations listed below.

The following channel combinations were individually investigated during the preliminary measurements:

	AC555		WLAN		
Channel	Frequency MHz		Channel	Frequency MHz	
128	824.2	Or	1	2412	
190	836.6	Or	6	2437	
251	848.8	Or	11	2462	
512	1850.2	Or	1	2412	
661	1880.0	Or	6	2437	
810	1909.8	Or	11	2462	

Final measurements were made as described in Section 7.2.3 while the EUT was fully functional as it would be in normal operation. The final measurements were made with the WLAN Intentional Radiator set at 2412 MHz for a representative worst case.

The plot on the following page shows the Peak results of the EUT emission profile for reference only. The highest level conducted emissions observed were measured with Quasi-peak and Average detectors during the testing. The emissions results are reported for the Line 1 the "hot" conductor and Line 2 the "neutral" conductor, each with respect to ground at the power terminal. Some of the emissions measured with the Average detector exceeded the Average limits however; none of the emissions measured with the Quasi-peak detector exceeded the referenced Quasi-Peak limits.

Conclusion

The ITRONIX, Corporation IX260 with the transmitters listed above, met the conducted emissions requirements for Class B digital devices under Title 47 CFR, Para.15.107 (a), and for Intentional Radiators under 15.207(a).

TEST: CONDUCTED SPURIOUS EMISSIONS

Manufacturer: ITRONIX, Corporation.

Name: IX260 Laptop PC

Model: IX260 with AirCard 555 (WAN), & INTEL PRO WM3B2200BG (WLAN)

Part 15.107(a) & 15.207(a) limits:

Quasi peak	Average *	decreasing with the log of the frequency
66 -56 dBu/V	56 to 46dBuV *	0.15 to .5 MHz *
56 dBu/V	46 dBuV	.5 to 5 MHz
60 dBuV	50 dBuV	5 to 30 MHz

The equipment complies with the Quasi-peak limit. The level measured closest to the QP limit was 310.8 kHz with a level of 55.01dBuV.

Note: Plot below is Line 1 Peak detector for *reference* only. Quasi-peak and Average values listed below.



TEST: CONDUCTED SPURIOUS EMISSIONS

Manufacturer: ITRONIX, Corporation.

Name: IX260 Laptop PC

Model: IX260 with AirCard 555 (WAN), & INTEL PRO WM3B2200BG (WLAN)

Part 15.107(a) & 15.207(a) limits:

Quasi peak	Average *	decreasing with the log of the frequency
66 -56 dBu/V	56 to 46dBuV	0.15 to .5 MHz
56 dBu/V	46 dBuV	.5 to 5 MHz
60 dBuV	50 dBuV	5 to 30 MHz

The equipment complies with the Quasi-peak limit. The level measured closest to the QP limit was 1.933 MHz with a level of 54.77dBuV.

Note: Plot below is Line 2 Peak detector for *reference* only. Quasi-peak and Average values listed below.



TEST:	FIELD STRENGTH OF RADIATED EMISSIONS
Manufacturer:	ITRONIX, Corporation.
Name:	IX260 Laptop PC
Model:	IX260 with AirCard 555 (WAN), & INTEL PRO WM3B2200BG, (WLAN)

Setup:

The equipment under test (EUT) was configured and operated in accordance with the applicable provisions of ANSI C63.4-2001, Section 6 and 8. The EUT was placed on a 80 cm height, 1 X 1.5 m non-metallic turntable that sits above the 15 X 30 meter ground plane at Spectrum's Open Area Test Site. The antennas (dipoles, bi-conical or log-periodic) were mounted on a tower spaced at a 3 meters distance, and arranged for adjustment in height (1-4 meters) and V/H orientation to maximize the emissions levels when combined with turntable rotation of the EUT. An Agilent E7405 EMC analyzer, using 120 kHz bandwidth and its internal amplifier were used for the making the measurements.

Discussion:

Measurements of the radiated spurious emissions were made with the ITRONIX IX260 set up in a representative configuration. The frequency range from 30 to 1000 MHz was measured in detail. No modifications were made prior to the final compliance test.

Preliminary measurements were made as described in Section 8.3.1.1. The EUT was set up as an operational system. The system cables were carefully tuned during the preliminary measurements on all frequencies of significance endeavoring to maximize the emissions observed. During the preliminary measurements the IX260 was set up at the OATS facility with the receive antenna in close proximity, about 1.0 meter distance. The transmitters in the IX260 were operated on the frequencies listed on the following page in an attempt to identify any measurable emission frequencies.

During the preliminary measurements the IX260 was set to transmit on the first the low, then mid and finally the high channels respectively in multiple preliminary sets of measurements covering operational range of both transmitters. Note that no measurable change in the radiated emissions activity was observed when the transmitters were turned

on or off or varied over the channel combinations listed below.

AC555 WLAN Channel Channel Frequency MHz Frequency MHz Or 128 824.2 1 2412 190 836.6 Or 6 2437 251 848.8 Or 11 2462 512 1850.2 Or 1 2412 661 1880.0 Or 6 2437 11 810 1909.8 Or 2462

All of the following individual channels were investigated during the preliminary measurements:

Preliminary measurements were made while the system was investigated operating in the following modes:

- 1) IX260 operating digital device active only, no transmitters turned on.
- 2) IX260 operating with the WLAN transmitter on low, mid and high channels respectively.
- 3) IX260 operating with the AirCard 555 transmitting on the high mid and low channels in the Cellular and PCS bands respectively with the transmitter output fed to a resistive termination.

For the final measurements, the IX260 was fully operational transmitting on the low channel 2412 MHz and considered representative of the worst case based on the similar results observed between frequencies previously during the preliminary measurements.

The final OATS test configuration is shown in photographs included in Exhibit 7 of this report. Final digital device measurements were made from 30 - 1000 MHz as specified in Section 8.3.1.2 and were made at three meters.

Conclusion:

The ITRONIX, Inc. IX300 when operated as discussed above meets the radiated emissions requirements for a receivers and Class B digital devices under Title 47 CFR, Parts 15.109(a) and 15.209(a).

EXHIBIT 6 TEST: FIELD STRENGTH OF SPURIOUS RADIATED EMISSIONS

FCC ID: KBCIX260-PROAC555

Applicant: ITRONIX Corp.

Model: IX260 with AirCard 555, (WAN), and a INTEL PRO, WM3B2200BG, (WLAN)

Minimum Standard Specified: Part 15.109(a), 15.209(a) Frequency Range Observed: 30 to 1 GHz Date: 6/20/04 Test Setup: See block diagram and photos following.

NOTE: The highest level radiated emissions observed are reported below.

Frequen	Max.	Ant.	Peak or	Antenna	Amp	Correcte	Limit	Margin in
cy GHz	SA	Vert. or	Average	Factor	Gain	d		dB
	Rdg.	Horz.	Detector	dB &		Reading	dBu/V	below
	dBu/V			cable		dBuV/m		LIMIT
				loss				
119.00	15.16	Н	Peak	15.5	-inc	30.66	43.5	12.84
119.00	22.87	V	Peak	15.5	-inc	38.37	43.5	5.13
238.23	20.56	Н	Peak	14.8	-inc	35.36	46.0	10.64
238.23	14.76	V	Peak	14.8	-inc	29.56	46.0	16.44
259.80	21.14	Н	Peak	16.3	-inc	37.44	46.0	8.56
259.80	16.96	V	Peak	16.3	-inc	33.26	46.0	12.74
270.30	24.74	Н	Peak	16.7	-inc	41.44	46.0	4.56
270.30	19.51	V	Peak	16.7	-inc	36.21	46.0	9.79
302.50	19.54	н	Peak	18.6	-inc	38.14	46.0	7.86
302.50	17.32	V	Peak	18.6	-inc	35.92	46.0	10.08
320.50	16.46	Н	Peak	17.9	-inc	34.36	46.0	11.64
320.50	17.06	V	Peak	17.9	-inc	34.96	46.0	11.04
325.00	17.00	Н	Peak	17.9	-inc	34.90	46.0	11.10
325.00	17.06	V	Peak	17.9	-inc	34.96	46.0	11.04
375.60	13.44	Н	Peak	19.0	-inc	32.44	46.0	13.56
375.60	17.93	V	Peak	19.0	-inc	36.93	46.0	9.07
390.00	10.10	Н	Peak	19.7	-inc	29.80	46.0	16.2
390.00	15.16	V	Peak	19.7	-inc	34.86	46.0	11.14
435.50	7.43	Н	Peak	21.3	-inc	28.73	46.0	17.27
435.50	16.93	V	Peak	21.3	-inc	38.23	46.0	7.77
715.00	5.22	.Н	Peak	26.9	-inc	32.12	46.0	13.88
715.00	10.74	V	Peak	26.9	-inc	37.64	46.0	8.36
922.00	<noise flr.<="" td=""><td>Н</td><td>Peak</td><td>29.9</td><td>-inc</td><td></td><td>46.0</td><td></td></noise>	Н	Peak	29.9	-inc		46.0	
922.00	14.3	V	Peak	29.9	-inc	44.2	46.0	1.8

End of Report