



November 5, 2003

Mr. Al Patrick
Cirronet
5375 Oakbrook Parkway
Norcross, GA 30093

Dear Mr. Patrick:

Following please find your requested FCC Part 15 Line Conducted Testing (150 kHz – 30 MHz) results for the WIT 2410.

If you have any questions, or need further assistance please don't hesitate to call. Thank you for your business.

Sincerely,

A handwritten signature in black ink, appearing to read 'L. Feudi', with a stylized flourish at the end.

Louis A. Feudi
Operations Manager

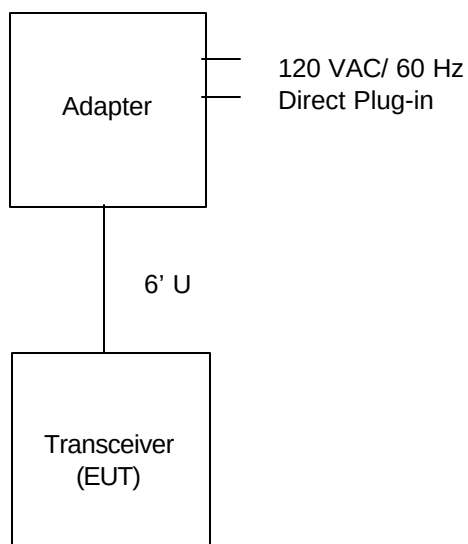
U.S. Technologies, Inc.
Line Conducted
Report Number: 03-0355
Customer: Cirronet
Model: WIT 2410

Test Report, Part 15B
(150 kHz – 30 MHz)
Issue Date: November 5, 2003

TEST RESULTS:

The worst-case line conducted emission was 5.5 dB below the Class B limit at 0.20 MHz. All other conducted emissions were at least 5.7 dB below the limit.

Configuration of Tested System



S = Shielded
U = Unshielded

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EUT and Peripherals

PERIPHERAL MANU.	MODEL NUMBER	SERIAL NUMBER	FCC ID:	CABLES P/D
Transceiver Cirronet (EUT)	WIT 2410	521-235	HSW-2410M	6' U
Adapter Volgen	SPU10R-1	SPU10R-1	None	None

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Detail of I/O Cables Attached to EUT

DESCRIPTION OF CABLE	DETAILS OF CABLE			CABLE LENGTH
Power Cable	Manufacturer and Part Number			6'
	Shield Type	Shield Termination	Type of Backshell	
	N/A	N/A	N/A	

Shield Type

N/A = None
F = Foil
B = Braided
2B = DoubleBraided
CND = Could Not Determine

Shield Termination

N/A = None
360 = 360°
P = Pigtail/Drain Wire
CND = Could Not Determine

Type of Backshell

N/A = Not Applicable
PS = Plastic Shielded
PU = Plastic Unshielded
MS = Metal Shielded
MU = Metal Unshielded

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POWER LINE CONDUCTED EMISSION DATA (47 CFR 15.107)

FCC Class B (Peak/QP vs. AVG Limits 150 kHz – 30 MHz)

FREQUENCY (MHz)	TEST DATA (dBuV)		LISN LOSS (dB)		CABLE FACTOR (dB)	RESULTS (dBuV)		FCC LIMITS (dBuV)	MARGIN BELOW LIMIT (dBuV)	
	PHASE	NEUTRAL	PHASE	NEUTRAL		PHASE	NEUTRAL		PHASE	NEUTRAL
0.18	22.0	-	0.2	0.2	0.1	22.3	-	54.3	32.0	-
0.20	47.6	47.8	0.2	0.2	0.1	47.9	48.1	53.6	5.7	5.5
0.26	41.6	-	0.2	0.2	0.1	41.9	-	51.5	9.6	-
0.27	-	40.1	0.2	0.2	0.1	-	40.4	51.1	-	10.6
0.28	-	30.7	0.2	0.2	0.1	-	31.0	50.9	-	19.9
0.30	42.0	40.6	0.2	0.2	0.1	42.3	40.9	50.2	7.9	9.3
0.33	34.2	34.0	0.2	0.2	0.1	34.5	34.3	49.4	14.9	15.1
0.41	35.2	36.0	0.2	0.2	0.1	35.5	36.3	47.8	12.2	11.4
3.33	-	36.0	0.1	0.1	0.4	-	36.5	46	-	9.5
10.00	40.8	38.3	0.1	0.1	0.5	41.4	38.9	50	8.6	11.1
29.99	33.9	-	0.1	0.1	0.9	34.9	-	50	15.1	-

Test Date: November 4, 2003

Tested by

Signature: _____



Name: David Blethen

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INSTRUMENTS AND ACCESSORIES

EQUIPMENT	MODEL NUMBER	MANUFACTURER	SERIAL NUMBER	DATE OF LAST CALIBRATION
SPECTRUM ANALYZER	8593E	HEWLETT-PACKARD	3205A00124	1/16/03
LISN (x 2) 8028-50-TS24-BNC	8028	SOLAR ELE.	910494 & 910495	1/10/03

Note: Calibration due is 1 year from date of last calibration

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CONDUCTED CONFIGURATION PHOTOGRAPH(S)



Photograph Shows Worse Case Configuration