U.S. TECH
A TRADITION IN TESTING SERVICES

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.

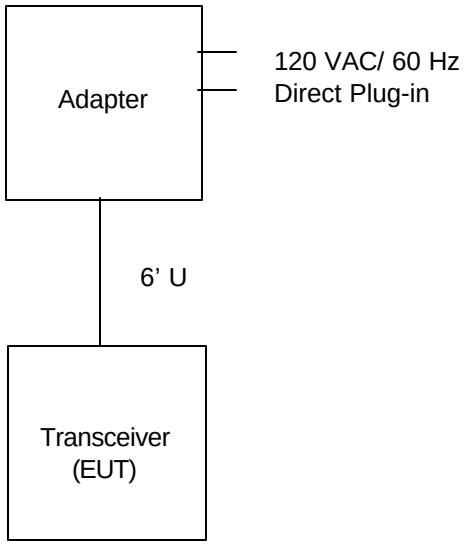
Sincerely,

Louis A. Feudi
Operations Manager

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

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

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

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: David P. Blethen

Name: David Blethen

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

CONDUCTED CONFIGURATION PHOTOGRAPH(S)

Photograph Shows Worse Case Configuration