

ATTACHMENT D – Test Data

Summary of Test Results



Test Date(s): April 7-8, 2005

Test Engineer:



Table A-1. Summary of Test Results

FCC Part 15 Section	Description	Result
15.107	Conducted Emissions	PASS
15.109	Radiated Spurious Emissions	PASS

PCTEST PT. 15.209 REPORT		MEASUREMENT REPORT		Reviewed by: Quality Manager
Filename: 15.0504120269-R1.ANO	Test Dates: April 7-8, 2005	EUT: ThinkPad X41 Tablet Series	FCC ID: ANOX41T	Page A1

ATTACHMENT D – Test Data (Cont.)

Radiated Test Data/Plots

FREQ (MHz)	Level (dBm)	AFCL (dB/m)	POL (H/V)	Height (m)	Azimuth (° angle)	F/S (dBuV/m)	Margin (dB)
0.53	- 90.0	9.2	Loop	1.2	0	26.2	-25.94
0.54	- 90.3	9.2	Loop	1.2	20	25.9	- 26.24
0.56	- 91.0	9.1	Loop	1.2	10	25.1	-27.04
0.57	- 90.4	9.1	Loop	1.2	10	25.7	-26.44
0.59	- 90.0	9.1	Loop	1.2	10	26.1	-26.04
0.59	- 90.2	9.1	Loop	1.2	0	25.9	- 26.24

Table A-2. Radiated Measurements at 3-meters

Frequency (MHz)	Field strength (microvolts/meter)	Measure- ment distance (meters)
0.009–0.490	2400/F(kHz)	300
0.490–1.705	24000/F (kHz)	30
1.705–30.0	30	30
30–88	100 **	3
88–216	150 **	3
216–960	200 **	3
Above 960	500	3

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54–72 MHz, 76–88 MHz, 174–216 MHz or 470–806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§15.231 and 15.241.



NOTES:

1. All modes of operation were investigated and the worst-case emissions are reported.

2. Sample Calculation of limit @ 593kHz

$24000/593 = 40.47 \text{ uV/m}$ or 32.14 dBuV/m @ 30m. Limit at 3m is 52.14 dBuV/m .

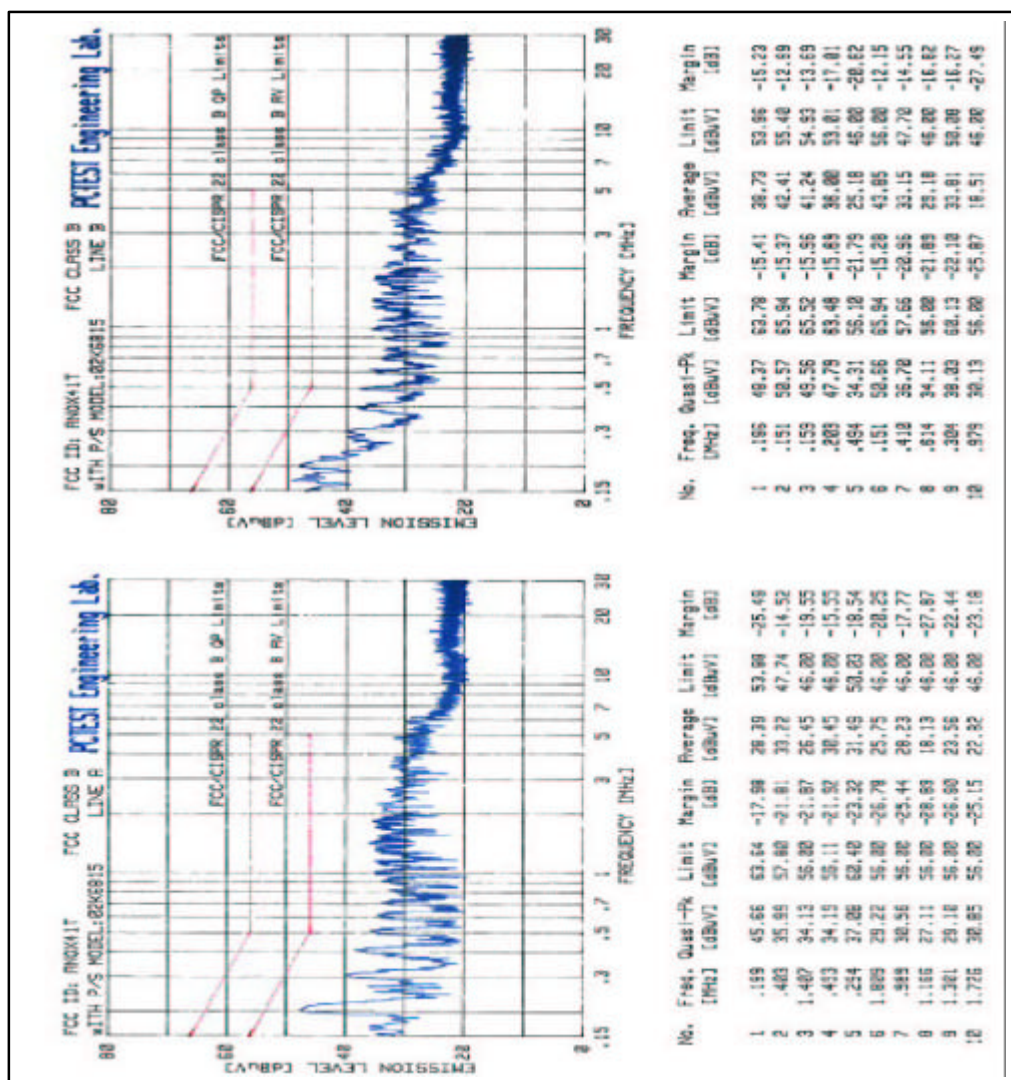
- 1 AFCL = Antenna Factor (EMCO Loop) and Cable Loss (30 ft. RG58C/U).
- 2 Measurements using CISPR quasi-peak mode

PCTEST PT. 15.209 REPORT		MEASUREMENT REPORT		Reviewed by: Quality Manager
Filename: 15.0504120269-R1.ANO	Test Dates: April 7-8, 2005	EUT: ThinkPad X41 Tablet Series	FCC ID: ANOX41T	Page A2

ATTACHMENT D – Test Data (Cont.)



Line-Conducted Test Data

Plot A-1. Line-Conducted Test Plot



Notes:

- All Modes of operation were investigated and the worst-case emissions are reported.
- The limit for Class B device(s) from 150kHz to 30MHz are specified in EN55022.
- Line A = Phase; Line B = Neutral
- Deviations to the Specifications: *None*.



PCTEST PT. 15.209 REPORT		MEASUREMENT REPORT		Reviewed by: Quality Manager
Filename: 15.0504120269-R1.ANO	Test Dates: April 7-8, 2005	EUT: ThinkPad X41 Tablet Series	FCC ID: ANOX41T	Page A3

ATTACHMENT D – Test Data (Cont.)

Test Support Equipment Used

1. IBM ThinkPad X41 Tablet Series FCC ID: ANOX41T (EUT) S/N: 030

Note: See Attachment F – Test Setup Photographs, for actual system test setup.

PCTEST PT. 15.209 REPORT		MEASUREMENT REPORT		Reviewed by: Quality Manager
Filename: 15.0504120269-R1.ANO	Test Dates: April 7-8, 2005	EUT: ThinkPad X41 Tablet Series	FCC ID: ANOX41T	Page A4