

Attachment 1 : Summary of Test Results

The test results in the emission were performed according to the requirements of measurement standard and process. QuieTek Corporation is assumed full responsibility for the accuracy and completeness of these measurements. The test data of the emission are listed as the attached data.

All the tests were carried out with the EUT in normal operation, which was defined as:

Mode 1 : M-UL-IBM6

The EUT passed all the tests.

The uncertainty is calculated in accordance with NAMAS NIS 81, The total uncertainty for this test is as follows:

➤ **Emission Test**

- Uncertainty in the Conducted Emission Test: $< \pm 2.0 \text{ dB}$
- Uncertainty in the field strength measured: $< \pm 4.0 \text{ dB}$



CONDUCTED EMISSION DATA

Date of Test : December 28, 1999 EUT : Mouse
 Test Mode : Mode 1 Detect Mode : Quasi-Peak & Average

Frequency	Cable	LISN	Reading Level	Measurement Level	Limits
MHz	Loss	Factor	Line1	Line1	
	dB	dB	dBuV	dBuV	dBuV
0.182	0.01	0.10	37.10	37.21	64.39
0.232	0.02	0.10	30.70	30.82	62.38
9.146	0.27	0.20	39.10	39.56	60.00
*9.942	0.28	0.20	38.70	39.18	60.00
14.119	0.32	0.33	37.50	38.14	60.00
24.579	0.38	0.53	28.50	29.40	60.00

Average:

0.182	0.01	0.10	37.10	37.21	54.39
0.232	0.02	0.10	30.70	30.82	52.38
9.146	0.27	0.20	39.10	39.56	50.00
9.942	0.28	0.20	37.40	37.88	50.00
14.119	0.32	0.33	37.50	38.14	50.00
24.579	0.38	0.53	28.50	29.40	50.00

Remarks :

1. “ * ” means that this data is the worst emission level.



CONDUCTED EMISSION DATA

Date of Test : December 28, 1999 EUT : U-ML IBM6
 Test Mode : Mode 1 Detect Mode : Quasi-Peak & Average

Frequency	Cable	LISN	Reading Level	Measurement Level	Limits
MHz	Loss	Factor	Line2	Line2	
	dB	dB	dBuV	dBuV	dBuV
0.204	0.02	0.10	30.30	30.42	63.45
0.305	0.04	0.10	21.50	21.64	60.11
0.411	0.05	0.10	25.90	26.05	57.63
8.752	0.26	0.19	40.00	40.46	60.00
*9.345	0.27	0.20	40.00	40.47	60.00
13.970	0.31	0.32	36.70	37.34	60.00

Average:

0.204	0.02	0.10	28.10	28.22	53.45
0.305	0.04	0.10	21.40	21.54	50.11
0.411	0.05	0.10	25.70	25.85	47.63
8.752	0.26	0.19	34.60	35.06	50.00
9.345	0.27	0.20	38.30	38.77	50.00
13.970	0.31	0.32	34.90	35.54	50.00

Remarks :

1. “ * ” means that this data is the worst emission level.



RADIATED EMISSION DATA

Date of Test : December 10, 1999 EUT : Mouse
 Test Mode : Mode 1 Test Site : No.1 Open Test Site

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
			Loss Factor		Level	Horizontal			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	dBuV/m	cm	deg
=====									
48.000	1.33	8.92	0.00	6.39	16.64	13.36	30.00	400	153
108.000	1.90	11.79	0.00	4.74	18.43	11.57	30.00	400	187
*144.000	2.24	11.16	0.00	9.20	22.60	7.40	30.00	400	15
168.020	2.48	9.59	0.00	2.17	14.23	15.77	30.00	400	203
192.020	2.71	9.00	0.00	2.82	14.53	15.47	30.00	400	51
228.033	3.06	10.08	0.00	5.25	18.38	11.62	30.00	400	189
264.035	3.40	14.08	0.00	9.23	26.71	10.29	37.00	400	11
624.093	5.44	19.30	0.00	4.61	29.36	7.64	37.00	130	92
648.093	5.56	19.23	0.00	4.27	29.06	7.94	37.00	130	97

Remarks:

- 1.All Readings below 1GHz are Quasi-Peak, above are average value.
- 2.“ * ”, means this data is the worst emission level.
- 3.Emission Level = Reading Level + Antenna Factor + Cable loss



RADIATED EMISSION DATA

Date of Test : December 10, 1999 EUT : U-ML IBM6
 Test Mode : Mode 1 Test Site : No.1 Open Test Site

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
	Loss Factor			Level	Vertical				
MHz	dB	dB/m	dB	dBuV	dBuV	dB	dBuV/m	cm	deg
=====									
36.000	1.21	14.68	0.00	5.18	21.06	8.94	30.00	105	29
*48.000	1.33	8.03	0.00	17.55	26.91	3.09	30.00	105	155
108.000	1.90	11.17	0.00	13.71	26.78	3.22	30.00	105	196
144.023	2.24	10.86	0.00	5.47	18.57	11.43	30.00	105	180
191.992	2.71	8.88	0.00	6.71	18.30	11.70	30.00	105	124
240.038	3.17	11.22	0.00	4.82	19.21	17.79	37.00	105	79
264.035	3.40	14.12	0.00	9.13	26.65	10.35	37.00	105	125

Remarks:

- 1.All Readings below 1GHz are Quasi-Peak, above are average value.
- 2.“ * ”, means this data is the worst emission level.
- 3.Emission Level = Reading Level + Antenna Factor + Cable loss

