

## 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 : 100Mbps

Mode 2 : 10Mbps

### **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:  $< \pm 2.0$  dB
- Uncertainty in the field strength measured:  $< \pm 4.0$  dB

## CONDUCTED EMISSION DATA

Date of Test : February 29, 2000 EUT : Fast Ethernet PC Card  
 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
* 0.177	0.01	0.10	50.20	50.31	64.64
0.295	0.04	0.10	37.97	38.11	60.38
0.413	0.05	0.10	33.70	33.85	57.60
0.530	0.07	0.10	32.87	33.04	56.00
0.710	0.08	0.10	29.83	30.01	56.00
4.780	0.20	0.17	30.88	31.24	56.00

Average:

0.176	0.01	0.10	42.10	42.21	54.67
0.295	0.04	0.10	28.10	28.24	50.38
0.412	0.05	0.10	30.80	30.95	47.61
0.530	0.07	0.10	31.50	31.67	46.00
0.710	0.08	0.10	28.50	28.68	46.00
4.780	0.20	0.17	27.00	27.36	46.00

Remarks :

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

## CONDUCTED EMISSION DATA

Date of Test : February 29, 2000 EUT : Fast Ethernet PC Card  
 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
* 0.177	0.01	0.10	48.80	48.91	64.64
0.236	0.02	0.10	40.23	40.35	62.23
0.296	0.04	0.10	35.29	35.43	60.36
0.533	0.07	0.10	30.56	30.73	56.00
1.475	0.12	0.12	32.12	32.36	56.00
4.897	0.20	0.17	34.35	34.72	56.00

Average:

0.176	0.01	0.10	41.90	42.01	54.67
0.236	0.02	0.10	33.60	33.72	52.24
0.296	0.04	0.10	27.90	28.04	50.35
0.532	0.07	0.10	29.90	30.07	46.00
1.475	0.12	0.12	31.60	31.84	46.00
4.897	0.20	0.17	27.40	27.77	46.00

Remarks :

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

## CONDUCTED EMISSION DATA

Date of Test : February 29, 2000 EUT : Fast Ethernet PC Card  
 Test Mode : Mode 2 Detect Mode : Quasi-Peak & Average

Frequency	Cable	LISN	Reading Level	Measurement Level	Limits
MHz	Loss	Factor	Line1	Line1	dBuV
	dB	dB	dBuV	dBuV	
* 0.175	0.01	0.10	51.00	51.11	64.71
0.236	0.02	0.10	41.94	42.06	62.24
0.353	0.05	0.10	37.73	37.88	58.89
0.529	0.07	0.10	32.75	32.92	56.00
2.002	0.14	0.13	31.67	31.94	56.00
20.002	0.35	0.45	44.19	45.00	60.00

Average:

0.175	0.01	0.10	42.90	43.01	54.72
0.236	0.02	0.10	35.90	36.02	52.24
0.353	0.05	0.10	30.40	30.55	48.89
0.529	0.07	0.10	31.20	31.37	46.00
2.001	0.14	0.13	29.60	29.87	46.00
20.001	0.35	0.45	33.50	34.31	50.00

Remarks :

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

## CONDUCTED EMISSION DATA

Date of Test : February 29, 2000 EUT : Fast Ethernet PC Card  
 Test Mode : Mode 2 Detect Mode : Quasi-Peak & Average

Frequency	Cable	LISN	Reading Level	Measurement Level	Limits
MHz	Loss	Factor	Line2	Line2	
	dB	dB	dBuV	dBuV	dBuV
0.175	0.01	0.10	48.91	49.02	64.73
0.235	0.02	0.10	40.65	40.77	62.29
0.526	0.07	0.10	26.81	26.98	56.00
2.591	0.16	0.14	32.68	32.98	56.00
3.771	0.18	0.16	33.33	33.67	56.00
* 20.002	0.35	0.45	43.87	44.68	60.00

Average:

0.175	0.01	0.10	41.80	41.91	54.72
0.235	0.02	0.10	33.90	34.02	52.27
0.526	0.07	0.10	25.80	25.97	46.00
2.591	0.16	0.14	31.30	31.60	46.00
3.771	0.18	0.16	28.30	28.64	46.00
20.001	0.35	0.45	33.10	33.91	50.00

Remarks :

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

## RADIATED EMISSION DATA

Date of Test : February 29, 2000 EUT Fast Ethernet PC Card  
 Test Mode : Mode 1 Test Site No.2 Open Test Site

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
MHz	Loss Factor	dB/m	dB	Level	Horizontal	dB	dBuV/m	dB	dBuV/m
	dB			dB	dBuV	dBuV/m		dB	dBuV/m
								cm	deg
75.000	1.58	6.83	0.00	6.59	15.00	15.00	30.00	401	46
125.000	2.07	11.49	0.00	7.35	20.91	9.09	30.00	401	85
150.000	2.31	10.43	0.00	6.37	19.11	10.89	30.00	401	104
200.000	2.78	9.30	0.00	13.66	25.74	4.26	30.00	401	97
*225.000	3.03	9.83	0.00	13.52	26.38	3.62	30.00	401	94
250.000	3.27	12.61	0.00	12.48	28.36	8.64	37.00	401	93

**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 : February 29, 2000 EUT Fast Ethernet PC Card  
 Test Mode : Mode 1 Test Site No.2 Open Test Site

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
MHz	Loss Factor	dB/m	dB	Level	Vertical	dBuV/m	dB	dBuV/m	cm deg
50.000	1.35	7.39	0.00	16.60	25.34	4.66	30.00	225	192
75.000	1.58	6.83	0.00	14.89	23.30	6.70	30.00	225	110
125.000	2.07	11.49	0.00	11.34	24.90	5.10	30.00	99	6
150.000	2.31	10.43	0.00	13.58	26.32	3.68	30.00	99	28
*200.000	2.78	9.07	0.00	15.03	26.89	3.11	30.00	99	24
225.000	3.03	9.68	0.00	9.74	22.44	7.56	30.00	225	145

**Remarks:**

- 1.All Readings below 1GHz are Quasi-Peak, above are average value.
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- 3.Emission Level = Reading Level + Antenna Factor + Cable loss

## RADIATED EMISSION DATA

Date of Test : February 29, 2000 EUT Fast Ethernet PC Card  
 Test Mode : Mode 2 Test Site No.2 Open Test Site

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
MHz	Loss Factor	dB/m	dB	Level	Horizontal	dB	dBuV/m	dB	dBuV/m
	dB			dB	dBuV	dBuV/m		dB	dBuV/m
								cm	deg
50.000	1.35	7.93	0.00	2.35	11.63	18.37	30.00	401	158
*125.000	2.07	11.84	0.00	7.95	21.86	8.14	30.00	401	134
150.000	2.31	10.72	0.00	4.97	18.00	12.00	30.00	401	123
200.000	2.78	9.30	0.00	7.71	19.79	10.21	30.00	401	82
225.000	3.03	9.83	0.00	7.61	20.47	9.53	30.00	401	103
275.000	3.51	12.91	0.00	8.45	24.88	12.12	37.00	401	91

**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 : February 29, 2000 EUT Fast Ethernet PC Card  
 Test Mode : Mode 2 Test Site No.2 Open Test Site

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
MHz	Loss Factor	dB	dB/m	dB	dBUV	dBUV/m	dB	dBUV/m	cm deg

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* 50.000	1.35	7.39	0.00	16.54	25.28	4.72	30.00	99	156
75.000	1.58	6.83	0.00	11.08	19.49	10.51	30.00	99	154
125.000	2.07	11.49	0.00	10.54	24.10	5.90	30.00	99	28
150.000	2.31	10.43	0.00	12.27	25.01	4.99	30.00	99	37
200.000	2.78	9.07	0.00	8.60	20.46	9.54	30.00	99	18
225.000	3.03	9.68	0.00	3.81	16.51	13.49	30.00	99	22

**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