

Attachment 1 : Summary of Test Results

The test results in the emission and immunity 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 and immunity are listed as the attached data.

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

(1)Mode 1: PRESTIGE 312

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	: <u>January 3, 2000</u>	EUT	: <u>LAN Router</u>
Test Mode	: <u>Mode 1</u>	Detect Mode	: <u>Quasi-Peak & Average</u>

Frequency	Cable	LISN	Reading Level	Measurement Level	Limits
	Loss	Factor	Line1	Line1	
MHz	dB	dB	dBuV	dBuV	dBuV
=====					
0.150	0.00	0.10	46.89	46.99	66.00
0.188	0.01	0.10	44.53	44.64	64.12
* 0.282	0.03	0.10	41.82	41.95	60.76
0.472	0.06	0.10	36.95	37.11	56.48
0.869	0.09	0.10	33.41	33.60	56.00
23.119	0.37	0.50	39.85	40.73	60.00

Average:

0.150	0.00	0.10	20.64	20.74	56.00
0.188	0.01	0.10	16.30	16.41	54.12
0.282	0.03	0.10	13.85	13.98	50.76
0.472	0.06	0.10	6.90	7.06	46.48
0.869	0.09	0.10	5.97	6.16	46.00
23.119	0.37	0.50	37.41	38.29	50.00

Remarks :

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



CONDUCTED EMISSION DATA

Date of Test	: <u>January 3, 2000</u>	EUT	: <u>LAN Router</u>
Test Mode	: <u>Mode 1</u>	Detect Mode	: <u>Quasi-Peak & Average</u>

Frequency	Cable	LISN	Reading Level	Measurement Level	Limits
	Loss	Factor	Line2	Line2	
MHz	dB	dB	dBuV	dBuV	dBuV
=====					
0.155	0.00	0.10	46.82	46.92	65.73
0.176	0.01	0.10	46.73	46.84	64.67
* 0.238	0.02	0.10	44.65	44.77	62.17
0.326	0.04	0.10	41.75	41.89	59.55
0.839	0.09	0.10	32.81	33.00	56.00
23.189	0.37	0.50	35.61	36.49	60.00

Average:

0.155	0.00	0.10	20.73	20.83	55.73
0.176	0.01	0.10	18.35	18.46	54.67
0.238	0.02	0.10	14.30	14.42	52.17
0.326	0.04	0.10	12.54	12.68	49.55
0.839	0.09	0.10	6.60	6.79	46.00
23.189	0.37	0.50	33.77	34.65	50.00

Remarks :

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



RADIATED EMISSION DATA

Date of Test : January 3, 2000 EUT : LAN Router
 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

60.000	1.44	5.49	0.00	5.30	12.23	17.77	30.00	394	97
66.355	1.50	6.16	0.00	4.38	12.04	17.96	30.00	394	79
199.066	2.78	9.30	0.00	2.69	14.77	15.23	30.00	394	99
232.243	3.10	10.57	0.00	4.84	18.51	18.49	37.00	394	21
300.000	3.76	13.36	0.00	9.99	27.10	9.90	37.00	394	19
400.015	4.28	15.85	0.00	3.30	23.43	13.57	37.00	243	27
464.486	4.60	16.74	0.00	3.35	24.69	12.31	37.00	248	91
497.664	4.78	17.31	0.00	3.55	25.64	11.36	37.00	248	67
597.197	5.30	18.93	0.00	2.35	26.58	10.42	37.00	153	45
630.374	5.47	19.43	0.00	2.72	27.62	9.38	37.00	153	9
696.730	5.82	19.16	0.00	0.73	25.71	11.29	37.00	153	61
796.262	6.34	20.07	0.00	0.73	27.14	9.86	37.00	153	123
895.795	6.87	20.88	0.00	2.24	29.99	7.01	37.00	153	33
*928.973	7.03	21.21	0.00	5.23	33.48	3.52	37.00	153	203
962.150	7.20	21.24	0.00	3.24	31.69	5.31	37.00	154	139
995.328	7.38	21.27	0.00	2.83	31.48	5.52	37.00	154	30

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 : January 3, 2000 EUT : LAN Router
 Test Mode : Mode 1 Test Site : No.1 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

33.178	1.18	15.99	0.00	6.84	24.01	5.99	30.00	100	78
40.013	1.24	12.84	0.00	10.19	24.27	5.73	30.00	100	19
* 66.355	1.50	5.83	0.00	19.27	26.60	3.40	30.00	100	159
80.003	1.64	7.12	0.00	12.42	21.18	8.82	30.00	100	81
99.533	1.82	10.66	0.00	13.11	25.59	4.41	30.00	100	176
160.003	2.40	10.28	0.00	7.61	20.29	9.71	30.00	100	11
165.888	2.46	9.72	0.00	8.59	20.77	9.23	30.00	100	174
199.066	2.78	9.07	0.00	10.03	21.89	8.11	30.00	100	52
232.243	3.10	10.41	0.00	11.10	24.61	12.39	37.00	100	22
240.003	3.17	11.22	0.00	7.61	22.00	15.00	37.00	100	52
250.011	3.27	12.26	0.00	11.02	26.55	10.45	37.00	100	72
298.598	3.74	13.54	0.00	6.60	23.87	13.13	37.00	100	24
398.131	4.26	16.03	0.00	2.20	22.49	14.51	37.00	353	39
497.664	4.78	17.11	0.00	1.38	23.27	13.73	37.00	353	52
597.197	5.30	18.51	0.00	4.83	28.64	8.36	37.00	313	101
696.730	5.82	18.68	0.00	1.81	26.31	10.69	37.00	231	54
895.795	6.87	19.88	0.00	2.02	28.77	8.23	37.00	135	102
928.973	7.03	20.22	0.00	2.83	30.08	6.92	37.00	135	108
962.150	7.20	20.35	0.00	3.84	31.40	5.60	37.00	135	107

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



