

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 : USB 1M Home PNA Adapter](#)

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 09, 1999 EUT : Home PNA Adapter
 Test Mode : Mode 1 Detect Mode : Quasi-Peak & Average

Frequency	Cable	LISN	Reading Level	Measurement Level	Limits
	Loss	Factor	Line1	Line1	
MHz	dB	dB	dBuV	dBuV	dBuV
=====					
* 0.175	0.01	0.10	59.49	59.60	64.71
0.240	0.02	0.10	38.40	38.52	62.10
0.352	0.04	0.10	44.15	44.29	58.93
0.531	0.07	0.10	36.82	36.99	56.00
0.913	0.10	0.10	38.35	38.55	56.00
7.960	0.25	0.19	36.00	36.44	60.00
Average:					
0.175	0.01	0.10	50.80	50.91	54.72
0.240	0.02	0.10	23.40	23.52	52.10
0.352	0.04	0.10	38.90	39.04	48.92
0.531	0.07	0.10	29.70	29.87	46.00
0.913	0.10	0.10	38.00	38.20	46.00
7.960	0.25	0.19	25.26	25.70	50.00

Remarks :

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

CONDUCTED EMISSION DATA

Date of Test : December 09, 1999 EUT : Home PNA Adapter
 Test Mode : Mode 1 Detect Mode : Quasi-Peak & Average

Frequency	Cable	LISN	Reading Level	Measurement Level	Limits
	Loss	Factor	Line2	Line2	
MHz	dB	dB	dBuV	dBuV	dBuV
=====					
* 0.175	0.01	0.10	54.43	54.54	64.72
0.282	0.03	0.10	36.75	36.88	60.75
0.349	0.04	0.10	41.37	41.51	58.98
0.914	0.10	0.10	38.39	38.59	56.00
9.025	0.27	0.20	35.05	35.51	60.00
16.453	0.33	0.38	34.74	35.45	60.00
Average:					
0.175	0.01	0.10	49.90	50.01	54.72
0.282	0.03	0.10	24.70	24.83	50.76
0.349	0.04	0.10	35.20	35.34	48.99
0.914	0.10	0.10	38.00	38.20	46.00
9.025	0.27	0.20	25.50	25.96	50.00
16.453	0.33	0.38	33.10	33.81	50.00

Remarks :

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

RADIATED EMISSION DATA

Date of Test	:	December 09, 1999	EUT	Home PNA Adapter
Test Mode	:	Mode 1	Test Site	No.2 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
=====									
* 222.000	3.00	9.73	0.00	12.19	24.92	5.08	30.00	401	101
234.000	3.11	10.71	0.00	10.35	24.17	12.83	37.00	401	192
240.000	3.17	11.32	0.00	8.83	23.32	13.68	37.00	401	203
264.000	3.40	14.08	0.00	4.93	22.41	14.59	37.00	401	44
307.994	3.79	13.43	0.00	4.23	21.45	15.55	37.00	401	26
323.029	3.87	13.62	0.00	4.20	21.69	15.31	37.00	401	82

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 09, 1999	EUT			Home PNA Adapter
Test Mode	:	Mode 1	Test Site			No.2 Open Test Site

Freq.	Cable	Probe	PreAMP	Reading	Measurement	Margin	Limit	Ant	Turn
	Loss Factor			Level	Vertical				
MHz	dB	dB/m		dB	dBuV	dBuV/m	dB	dBuV/m	cm deg
=====									
60.000	1.44	6.00	0.00	8.48	15.92	14.08	30.00	210	11
144.000	2.24	10.86	0.00	10.53	23.63	6.37	30.00	104	30
* 222.000	3.00	9.42	0.00	11.96	24.38	5.62	30.00	104	40
234.008	3.11	10.51	0.00	9.16	22.78	14.22	37.00	104	38
252.000	3.29	12.79	0.00	7.98	24.06	12.94	37.00	104	22
322.500	3.87	14.26	0.00	4.66	22.79	14.21	37.00	104	178

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