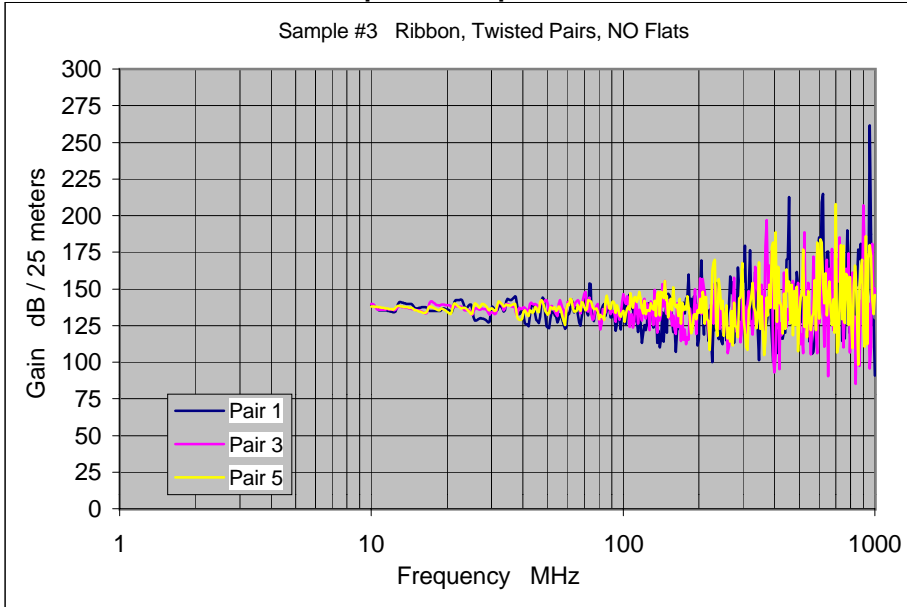


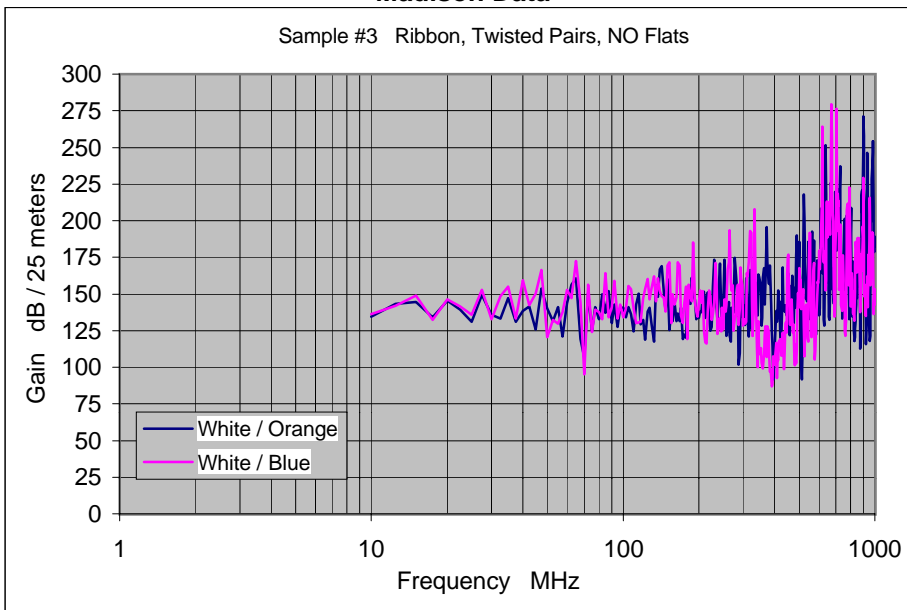
Spectra-Strip Data

Sample #3 Ribbon, Twisted Pairs, NO Flats



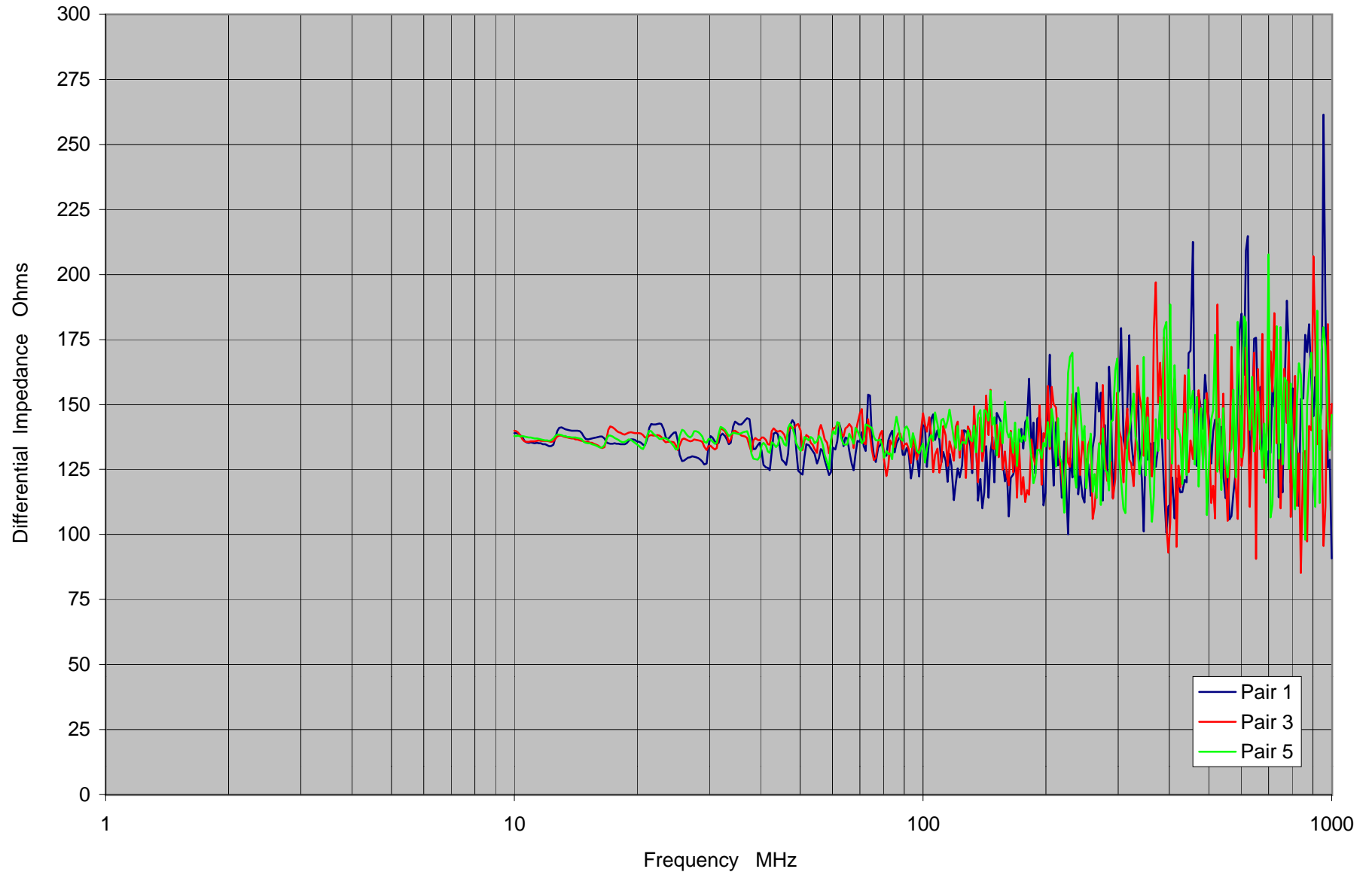
Madison Data

Sample #3 Ribbon, Twisted Pairs, NO Flats



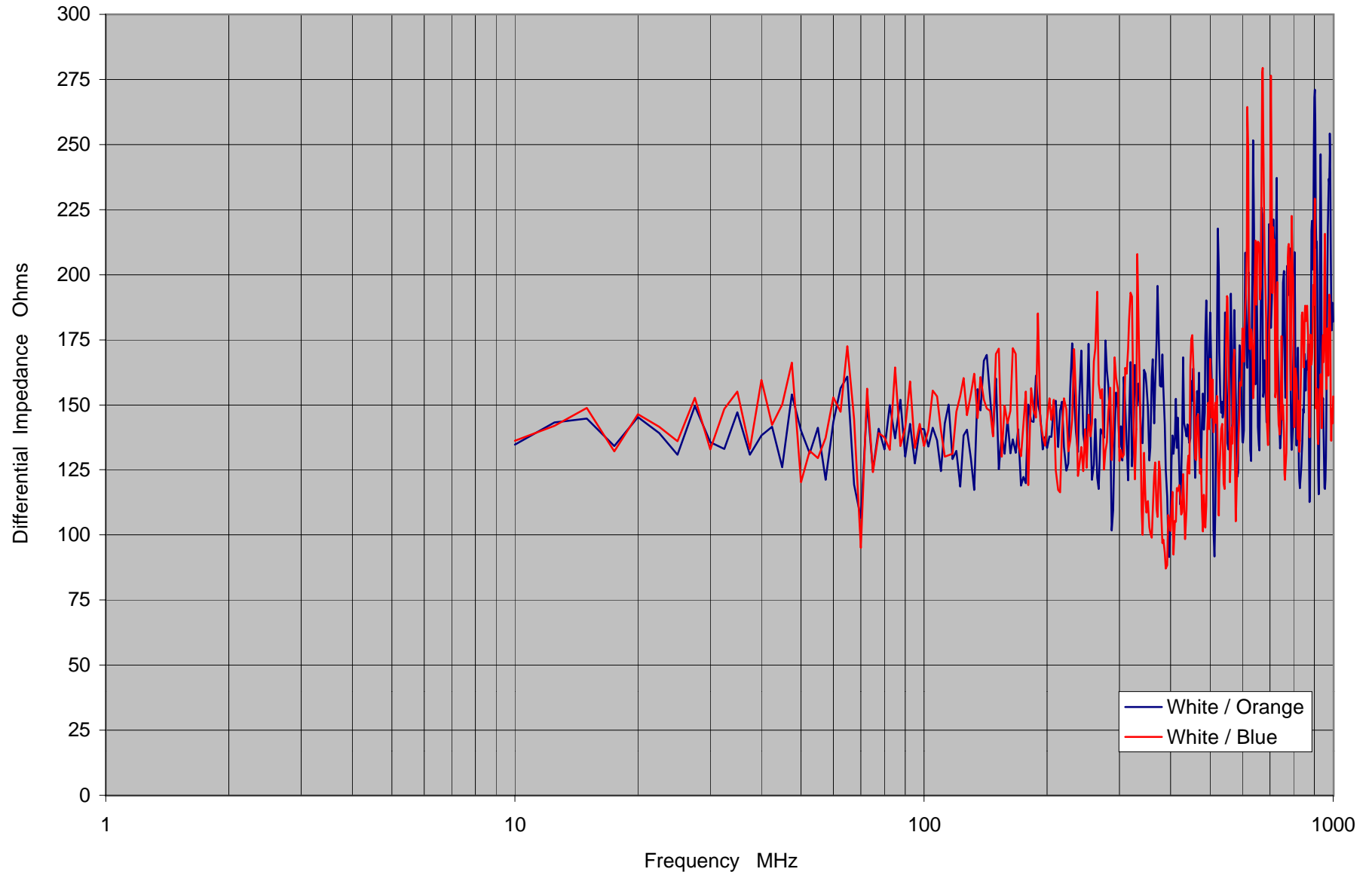
IMPEDANCE

Sample #3 Ribbon, Twisted Pairs, NO Flats



IMPEDANCE

Sample #3 Ribbon, Twisted Pairs, NO Flats



SAVED BY:
TITLE:
COMMENTS:
DATE: 2/9/01
TIME: 2:09 PM

Freq MHz	$2\sqrt{Z_0 Z_s}$ Pair 1	$2\sqrt{Z_0 Z_s}$ Pair 3	$2\sqrt{Z_0 Z_s}$ Pair 5
10.00	138.98	139.95	137.95
10.12	138.93	139.73	137.92
10.23	138.76	139.19	138.01
10.35	138.03	137.87	137.75
10.47	137.23	136.61	137.85
10.59	136.07	135.88	137.70
10.72	135.47	135.63	137.46
10.84	135.32	135.70	137.38
10.96	135.37	135.81	137.28
11.09	135.34	135.90	137.06
11.22	135.16	135.90	136.94
11.35	135.28	135.95	136.85
11.48	135.16	136.11	136.73
11.61	135.06	136.07	136.57
11.75	134.72	136.02	136.40
11.89	134.62	136.08	136.23
12.02	134.35	135.98	136.19
12.16	134.05	135.87	135.92
12.30	133.89	135.57	136.16
12.45	134.54	135.75	136.94
12.59	137.05	136.74	137.95
12.74	139.78	137.72	138.37
12.88	141.05	138.13	138.34
13.03	141.18	138.07	138.17
13.18	140.81	137.75	137.92
13.34	140.54	137.53	137.80
13.49	140.25	137.35	137.55
13.65	140.08	137.14	137.47
13.80	139.93	136.93	137.35
13.96	139.88	136.90	137.37
14.13	139.86	136.60	137.25
14.29	139.89	136.56	137.18
14.45	139.68	136.23	136.92
14.62	139.00	136.09	136.55
14.79	137.71	135.83	135.67
14.96	136.75	135.65	135.35
15.14	136.58	135.56	135.16
15.31	136.70	135.32	134.99
15.49	136.94	135.19	134.70
15.67	137.09	134.87	134.48
15.85	137.35	134.55	134.22
16.03	137.49	134.07	133.83
16.22	137.67	133.60	133.50

16.41	137.62	133.16	133.49
16.60	136.93	133.56	134.36
16.79	135.53	136.48	136.54
16.98	135.08	140.28	138.08
17.18	134.93	141.49	138.07
17.38	134.97	141.28	137.64
17.58	135.01	140.63	137.21
17.78	134.98	139.96	136.69
17.99	134.97	139.41	136.30
18.20	134.80	139.08	135.87
18.41	134.73	138.65	135.55
18.62	134.77	138.49	135.55
18.84	135.05	138.80	136.03
19.05	136.00	139.24	136.61
19.28	136.58	139.27	136.35
19.50	136.50	139.14	135.86
19.72	136.29	138.96	135.31
19.95	135.89	139.02	134.66
20.18	135.61	138.90	133.99
20.42	135.18	138.81	133.22
20.65	134.57	138.32	132.86
20.89	134.27	137.22	134.38
21.13	136.90	137.39	138.23
21.38	141.08	138.07	139.97
21.63	142.48	138.21	139.63
21.88	142.38	138.11	138.82
22.13	142.28	138.10	138.02
22.39	142.42	138.18	137.41
22.65	142.64	138.12	136.83
22.91	142.46	137.43	136.70
23.17	140.39	136.12	137.13
23.44	137.44	135.51	137.02
23.71	136.65	135.55	136.47
23.99	137.28	135.59	135.75
24.27	138.26	135.70	135.01
24.55	139.25	135.50	134.01
24.83	139.38	134.35	132.72
25.12	136.26	132.52	133.01
25.41	130.54	134.40	137.78
25.70	128.25	136.64	140.34
26.00	128.33	136.89	139.83
26.30	128.90	136.56	138.83
26.61	129.45	136.20	137.88
26.92	129.80	135.91	137.32
27.23	130.00	136.01	138.09
27.54	129.84	136.49	139.71
27.86	129.67	136.42	139.81
28.18	129.32	136.26	139.26
28.51	128.85	136.10	138.63
28.84	128.04	135.57	137.59
29.17	126.90	133.80	135.73

29.51	127.37	132.49	135.25
29.85	134.21	134.04	136.73
30.20	137.89	134.24	136.62
30.55	137.24	133.46	135.79
30.90	135.86	132.60	134.97
31.26	134.78	133.17	135.25
31.62	135.34	137.72	138.80
31.99	138.06	140.74	141.36
32.36	138.70	140.53	141.06
32.73	137.79	139.67	140.24
33.11	136.56	138.28	139.23
33.50	134.67	135.39	137.78
33.88	135.28	136.57	138.34
34.28	141.62	139.74	139.24
34.67	143.38	139.93	139.03
35.08	142.83	139.36	138.72
35.48	142.30	138.70	138.64
35.89	142.32	138.01	139.06
36.31	143.10	137.80	139.38
36.73	143.91	137.60	139.58
37.15	144.79	137.03	139.64
37.58	144.43	134.00	137.12
38.02	138.70	131.81	130.95
38.46	132.89	136.11	129.22
38.90	132.85	137.13	128.96
39.36	134.33	136.43	128.72
39.81	135.27	136.23	129.88
40.27	132.14	137.34	134.29
40.74	126.73	137.32	135.32
41.21	125.90	136.44	134.13
41.69	125.69	134.75	131.97
42.17	124.62	134.47	131.31
42.66	131.60	139.63	135.36
43.15	138.71	140.80	134.98
43.65	139.30	139.83	133.56
44.16	138.41	139.52	134.48
44.67	133.38	139.86	137.67
45.19	128.82	139.47	136.92
45.71	127.90	138.37	134.69
46.24	126.68	136.26	134.13
46.77	131.10	139.20	140.96
47.32	141.98	141.13	142.46
47.86	144.05	140.80	141.15
48.42	142.81	141.08	138.62
48.98	132.47	142.19	135.15
49.54	124.45	142.47	133.55
50.12	123.65	139.89	132.11
50.70	123.10	132.55	133.44
51.29	129.89	136.17	137.54
51.88	134.63	138.23	136.97
52.48	134.27	137.58	136.17

53.09	133.22	135.27	137.56
53.70	132.03	134.51	137.01
54.33	130.95	132.88	135.07
54.95	127.27	131.34	135.79
55.59	129.42	139.82	137.86
56.23	132.88	142.17	136.95
56.89	132.05	139.81	134.48
57.54	128.59	136.60	130.64
58.21	125.44	135.25	127.81
58.88	122.88	131.12	125.24
59.57	124.00	135.39	136.14
60.26	133.40	140.92	139.75
60.95	132.64	141.03	138.68
61.66	135.91	142.29	143.23
62.37	142.93	142.17	142.78
63.10	140.02	138.91	137.12
63.83	133.91	137.71	134.69
64.57	137.36	140.74	134.57
65.31	136.94	141.29	134.78
66.07	132.17	142.45	138.82
66.83	127.28	141.21	136.81
67.61	124.76	133.26	134.85
68.39	130.93	139.04	140.94
69.18	136.07	142.65	139.99
69.98	135.62	146.63	137.54
70.79	139.39	148.20	135.15
71.61	133.91	135.20	136.27
72.44	132.05	134.65	142.37
73.28	153.71	144.26	141.86
74.13	153.41	138.16	141.36
74.99	136.35	132.57	140.99
75.86	130.44	128.68	137.51
76.74	127.88	129.59	136.26
77.62	133.45	135.41	136.24
78.52	134.31	138.54	136.57
79.43	136.62	139.86	134.54
80.35	130.95	128.83	129.44
81.28	130.23	122.46	132.13
82.22	136.27	126.41	131.09
83.18	138.36	136.20	131.13
84.14	139.88	134.76	128.88
85.11	131.48	133.61	141.26
86.10	135.01	137.28	145.33
87.10	136.58	139.01	141.50
88.10	137.89	138.77	136.89
89.13	130.71	132.94	136.05
90.16	130.62	134.79	140.75
91.20	133.14	135.13	141.63
92.26	131.56	133.10	140.03
93.33	121.56	127.47	133.55
94.41	126.42	137.34	138.96

95.50	134.17	133.91	136.16
96.61	130.83	128.85	132.22
97.72	122.36	132.67	131.17
98.86	136.65	140.46	133.51
100.00	141.98	146.50	134.97
101.16	142.00	142.40	127.59
102.33	125.97	139.57	133.10
103.51	137.19	145.02	136.74
104.71	144.63	137.49	138.18
105.93	146.12	123.91	135.95
107.15	136.32	130.69	147.00
108.39	140.06	132.97	142.49
109.65	136.34	123.73	137.23
110.92	127.71	127.75	143.94
112.20	131.75	141.83	144.46
113.50	128.18	137.99	141.09
114.82	120.35	126.29	143.86
116.14	131.05	135.90	148.04
117.49	126.53	133.28	143.15
118.85	113.28	128.46	136.52
120.23	119.73	141.44	133.19
121.62	125.53	143.43	141.74
123.03	121.87	129.54	132.57
124.45	126.63	140.16	135.38
125.89	140.02	136.61	135.55
127.35	139.80	121.66	134.92
128.82	138.21	141.48	140.12
130.32	134.11	139.29	136.48
131.83	123.52	125.29	135.74
133.35	145.05	149.37	141.96
134.90	138.40	132.60	131.52
136.46	112.94	120.13	146.11
138.04	121.32	145.04	147.89
139.64	110.08	128.24	131.96
141.25	116.18	133.07	147.91
142.89	134.00	153.47	147.26
144.54	114.11	138.14	143.82
146.22	131.40	155.66	155.36
147.91	137.44	133.15	142.15
149.62	120.03	132.85	145.17
151.36	146.77	142.15	130.46
153.11	145.35	129.76	138.45
154.88	143.67	141.17	143.07
156.68	128.58	124.95	135.16
158.49	120.54	131.89	151.11
160.32	124.44	122.87	139.65
162.18	106.92	119.03	137.36
164.06	121.70	139.97	139.35
165.96	123.00	123.92	131.47
167.88	125.55	135.26	143.10
169.82	132.11	114.21	126.39

171.79	135.38	135.06	140.44
173.78	140.60	115.40	135.58
175.79	133.10	122.06	138.01
177.83	143.20	112.42	135.93
179.89	144.47	117.15	145.12
181.97	159.86	115.26	138.18
184.08	131.15	136.64	129.32
186.21	143.02	129.72	119.66
188.36	123.36	126.66	122.42
190.55	144.57	131.32	132.46
192.75	145.27	149.80	132.61
194.98	137.85	119.11	129.33
197.24	111.21	139.05	135.31
199.53	115.93	137.18	133.73
201.84	149.62	157.11	143.28
204.17	169.23	132.79	133.80
206.54	138.22	156.70	148.20
208.93	118.76	150.03	142.99
211.35	143.30	148.88	126.12
213.80	126.55	137.02	144.75
216.27	129.90	127.60	129.46
218.78	114.22	122.31	127.75
221.31	135.86	110.37	108.40
223.87	118.51	139.18	131.64
226.46	100.07	127.74	162.20
229.09	129.44	126.04	168.21
231.74	121.86	153.91	169.97
234.42	145.16	149.77	123.48
237.14	154.34	142.82	118.07
239.88	115.52	135.56	156.62
242.66	123.32	122.86	148.74
245.47	114.52	137.08	136.28
248.31	112.37	130.54	141.81
251.19	128.89	119.74	117.83
254.10	126.92	134.59	130.70
257.04	114.95	137.56	138.75
260.02	133.44	106.04	116.36
263.03	138.08	110.46	123.22
266.07	158.39	120.11	113.93
269.15	147.36	133.92	135.12
272.27	154.51	135.91	111.34
275.42	113.02	157.43	140.75
278.61	142.05	130.62	125.08
281.84	121.85	120.71	123.77
285.10	164.59	122.20	116.84
288.40	149.71	127.92	143.50
291.74	114.22	113.71	143.92
295.12	129.59	121.45	163.31
298.54	153.72	154.55	167.64
302.00	155.37	139.87	129.55
305.49	179.35	137.15	120.89

309.03	136.32	120.06	109.94
312.61	133.06	139.97	108.16
316.23	149.68	148.48	135.66
319.89	176.58	128.73	139.22
323.59	136.52	127.34	145.24
327.34	126.49	118.59	154.24
331.13	132.62	135.19	137.76
334.97	161.50	164.89	134.31
338.84	133.33	153.48	123.24
342.77	121.64	147.60	131.37
346.74	101.19	130.32	168.27
350.75	136.32	142.93	122.64
354.81	128.78	152.64	145.11
358.92	135.17	127.66	119.24
363.08	122.75	122.38	104.87
367.28	135.30	178.95	114.67
371.53	126.08	196.98	144.32
375.84	134.04	150.63	132.06
380.19	150.48	166.01	152.87
384.59	135.40	148.95	137.11
389.04	117.53	175.92	178.55
393.55	100.56	103.38	181.75
398.11	110.74	92.94	136.76
402.72	111.47	104.73	188.52
407.38	121.90	144.19	127.32
412.10	106.24	159.87	165.09
416.87	121.58	95.21	140.61
421.70	119.13	126.49	140.54
426.58	116.11	118.23	137.39
431.52	116.32	125.49	119.57
436.52	120.94	161.29	146.53
441.57	120.03	129.34	122.86
446.68	169.81	123.93	163.43
451.86	170.75	136.24	148.35
457.09	212.55	128.96	155.19
462.38	128.53	146.25	126.84
467.73	126.38	143.11	152.96
473.15	154.27	155.54	118.32
478.63	147.73	141.72	148.56
484.17	140.62	128.00	125.49
489.78	161.46	140.89	151.73
495.45	152.69	154.28	107.44
501.19	142.71	135.82	131.25
506.99	127.22	112.17	144.21
512.86	139.68	118.83	147.72
518.80	144.14	106.13	176.84
524.81	142.53	188.52	124.15
530.88	131.65	126.76	144.50
537.03	141.42	121.59	117.12
543.25	122.98	154.23	148.65
549.54	113.89	122.76	128.89

555.90	125.38	105.18	121.86
562.34	105.77	125.96	131.16
568.85	107.19	172.13	133.12
575.44	115.81	141.15	155.68
582.10	124.34	118.71	121.99
588.84	155.68	105.93	181.80
595.66	178.62	153.38	154.48
602.56	184.95	126.45	129.66
609.54	161.42	133.85	183.76
616.59	209.14	171.89	181.67
623.73	214.70	146.72	153.07
630.96	127.33	110.69	140.33
638.26	141.37	143.37	160.66
645.65	175.24	169.86	132.01
653.13	175.71	90.55	144.25
660.69	147.50	163.59	154.94
668.34	156.80	132.71	135.04
676.08	127.66	177.09	125.42
683.91	138.77	121.69	142.65
691.83	123.19	135.95	119.92
699.84	132.11	147.70	207.72
707.95	131.42	170.41	106.47
716.14	157.10	154.98	111.42
724.44	149.08	185.16	141.95
732.82	164.45	135.15	180.08
741.31	114.30	141.34	129.14
749.89	134.69	110.04	179.65
758.58	116.15	138.21	126.84
767.36	154.26	163.85	160.34
776.25	189.91	142.92	158.61
785.23	170.87	174.06	125.24
794.33	119.84	106.69	158.01
803.53	156.16	133.45	127.97
812.83	139.48	161.00	109.77
822.24	132.16	110.93	151.89
831.76	110.95	131.12	165.77
841.40	152.13	85.18	161.37
851.14	152.25	131.60	133.17
860.99	176.77	132.04	98.09
870.96	170.14	97.26	150.59
881.05	180.91	141.71	162.13
891.25	157.97	140.04	169.85
901.57	145.53	206.91	123.17
912.01	160.69	174.11	110.55
922.57	137.63	134.79	186.00
933.25	141.93	135.19	112.14
944.06	148.71	140.03	170.81
954.99	261.50	95.52	179.79
966.05	187.40	110.60	172.28
977.24	125.82	180.76	142.36
988.55	128.70	133.75	132.57

1000.00

90.79

150.33

145.98

FREQUENCY	IMPEDANCE	
	White / Orange	White / Blue
10	134.66	136.17
13	143.28	141.94
15	144.75	148.77
18	134.16	132.14
20	145.36	146.33
23	139.22	141.50
25	130.82	136.00
28	149.55	152.74
30	135.71	132.89
33	133.11	148.44
35	147.18	155.09
38	130.91	132.97
40	138.28	159.55
43	141.55	142.37
45	125.98	150.14
48	153.91	166.21
50	140.10	120.32
53	131.35	132.29
55	141.11	129.55
58	121.15	137.36
60	143.51	152.96
63	156.45	147.32
65	160.88	172.51
68	119.32	144.50
70	106.50	95.06
73	150.82	156.16
75	124.94	124.18
78	140.85	139.17
80	132.88	137.47
83	149.98	132.60
85	137.10	164.41
88	151.99	134.15
90	130.07	141.13
93	142.63	159.05
95	127.42	133.35
98	140.80	142.62
100	140.70	134.10
103	134.06	140.34
105	141.13	155.43
108	136.44	153.18
110	124.59	140.19
113	142.86	130.11
115	150.06	130.65
118	129.11	131.19
120	132.38	147.37
123	118.62	153.41
125	138.20	160.23
128	140.41	146.10
130	129.52	153.90

133	117.39	161.94
135	156.11	144.84
138	147.92	160.61
140	166.87	151.90
143	169.11	148.62
145	152.66	147.65
148	138.38	137.84
150	160.10	169.58
153	125.28	171.50
155	138.83	130.04
158	131.24	149.72
160	144.48	142.79
163	131.33	147.65
165	136.78	171.69
168	131.49	169.53
170	140.69	135.17
173	119.04	130.29
175	122.33	142.48
178	119.94	155.06
180	150.18	119.06
183	143.88	156.39
185	143.42	147.80
188	161.23	145.04
190	150.62	185.05
193	146.03	143.73
195	132.94	138.05
198	137.60	134.40
200	133.42	144.31
203	137.93	152.47
205	137.65	144.07
208	149.86	151.94
210	151.62	124.95
213	133.74	117.20
215	147.83	116.34
218	151.26	139.80
220	133.79	152.43
223	124.79	148.31
225	127.56	132.11
228	156.11	136.28
230	173.57	144.28
233	152.68	171.36
235	139.39	152.62
238	131.99	122.63
240	153.11	126.96
243	170.93	133.74
245	138.81	124.58
248	132.64	140.61
250	141.59	125.79
253	173.39	146.27
255	141.56	137.94
258	121.24	142.88

260	127.01	166.77
263	144.50	171.61
265	121.86	193.54
268	117.62	158.01
270	140.63	152.50
273	139.60	156.02
275	137.31	125.04
278	174.83	132.32
280	163.34	135.62
283	157.37	147.60
285	141.23	156.55
288	101.71	128.75
290	109.58	139.77
293	138.80	168.28
295	154.66	160.49
298	148.53	155.90
300	133.58	128.39
303	141.79	132.62
305	128.61	129.73
308	160.64	130.83
310	149.97	164.10
313	134.80	161.87
315	121.03	171.61
318	143.60	182.72
320	166.43	193.17
323	126.36	191.53
325	135.90	145.40
328	165.37	121.31
330	154.36	140.68
333	149.68	207.92
335	158.22	177.79
338	147.33	148.10
340	135.50	109.44
343	135.22	100.03
345	163.46	131.58
348	161.86	113.16
350	157.60	108.59
353	149.22	112.95
355	128.60	102.94
358	133.54	100.84
360	161.03	98.96
363	167.58	109.00
365	142.95	123.10
368	157.48	127.78
370	174.87	109.92
373	195.61	106.89
375	172.19	128.16
378	157.24	124.98
380	156.97	106.68
383	169.39	96.99
385	156.44	98.17

388	142.37	93.26
390	125.02	87.07
393	114.79	88.33
395	99.13	107.59
398	91.59	106.37
400	108.30	101.63
403	129.18	111.19
405	138.29	116.49
408	131.19	92.52
410	137.95	105.48
413	152.35	105.01
415	133.50	118.07
418	145.10	116.84
420	125.48	119.10
423	111.82	114.61
425	122.32	107.85
428	138.67	108.75
430	168.24	123.47
433	143.03	112.50
435	140.96	98.48
438	137.86	109.66
440	142.53	126.10
443	137.80	130.46
445	135.21	123.68
448	137.15	164.40
450	159.26	175.35
453	151.60	176.87
455	163.94	166.56
458	135.58	152.99
460	121.91	129.35
463	138.34	128.84
465	155.30	145.36
468	147.16	146.46
470	162.32	134.01
473	134.26	123.68
475	124.00	129.18
478	143.10	110.30
480	154.34	101.39
483	140.41	115.48
485	147.05	108.36
488	175.77	102.84
490	190.15	111.22
493	170.07	140.11
495	144.40	150.80
498	166.33	140.57
500	185.42	167.65
503	167.70	157.32
505	161.56	145.10
508	140.04	159.79
510	101.66	139.58
513	91.75	146.43

515	112.32	150.86
518	137.73	143.12
520	171.08	153.42
523	217.82	127.48
525	201.59	107.53
528	170.28	122.23
530	153.73	132.09
533	146.88	140.92
535	151.17	142.68
538	145.09	138.15
540	147.82	119.64
543	172.87	117.62
545	185.54	133.27
548	164.92	173.01
550	153.23	191.81
553	135.29	191.28
555	132.85	167.27
558	140.09	146.85
560	159.54	120.31
563	192.74	130.78
565	167.65	141.31
568	141.08	135.11
570	145.25	165.46
573	186.40	171.17
575	177.37	136.57
578	154.86	105.24
580	147.75	111.31
583	122.27	126.13
585	124.03	131.76
588	154.22	138.84
590	172.84	149.22
593	170.80	158.65
595	159.51	157.35
598	151.82	160.11
600	136.03	179.38
603	135.52	176.21
605	140.29	166.60
608	176.92	177.45
610	208.47	188.37
613	188.19	191.97
615	165.25	210.81
618	164.19	264.39
620	182.08	246.77
623	200.86	191.84
625	166.03	171.57
628	132.57	171.41
630	128.46	178.91
633	168.33	177.74
635	209.95	170.22
638	251.68	152.53
640	218.02	159.02

643	172.03	192.76
645	157.88	213.07
648	172.56	188.88
650	203.32	188.43
653	174.48	211.79
655	141.48	212.77
658	134.46	212.10
660	132.42	207.63
663	149.47	190.40
665	188.54	195.37
668	225.90	222.21
670	223.21	277.54
673	176.05	279.37
675	153.12	255.07
678	156.65	220.43
680	167.18	205.75
683	160.44	199.62
685	148.98	183.16
688	143.29	149.21
690	159.39	141.87
693	177.95	134.59
695	189.17	144.34
698	219.46	175.59
700	201.42	191.32
703	187.29	246.26
705	179.46	276.48
708	190.64	222.58
710	202.49	192.92
713	215.22	218.32
715	221.29	210.22
718	210.23	213.48
720	197.55	185.84
723	185.41	152.91
725	220.71	157.46
728	237.11	189.72
730	192.50	197.17
733	172.11	154.10
735	158.83	142.40
738	149.22	141.01
740	139.54	138.64
743	133.27	141.01
745	139.29	160.17
748	147.91	176.37
750	163.24	158.76
753	175.60	144.28
755	197.00	149.95
758	201.46	139.37
760	178.38	123.83
763	160.21	121.19
765	152.76	125.14
768	168.42	131.51

770	200.82	144.51
773	203.49	180.27
775	192.00	206.60
778	197.31	210.88
780	200.25	211.82
783	210.21	201.73
785	174.43	174.68
788	153.48	155.71
790	138.67	187.17
793	132.60	222.56
795	141.18	201.33
798	164.53	198.74
800	175.32	175.37
803	185.29	141.43
805	208.73	141.59
808	187.35	159.00
810	149.47	164.04
813	134.35	159.81
815	146.13	154.25
818	168.10	137.45
820	171.99	136.72
823	142.03	151.49
825	125.97	136.16
828	120.71	132.01
830	117.98	136.10
833	120.74	151.39
835	126.12	169.68
838	131.58	184.30
840	135.45	185.49
843	142.65	180.56
845	148.37	177.42
848	146.98	164.45
850	156.88	170.22
853	169.59	185.02
855	161.96	188.15
858	155.52	182.16
860	163.01	185.34
863	166.96	188.11
865	163.67	181.34
868	173.36	176.93
870	161.73	163.02
873	130.65	144.14
875	112.61	137.53
878	117.35	154.40
880	142.72	176.91
883	180.30	168.10
885	216.89	165.50
888	220.65	167.43
890	206.25	172.49
893	202.03	187.01
895	220.66	196.07

898	250.20	188.47
900	268.12	211.24
903	271.05	229.19
905	258.21	182.08
908	222.00	148.60
910	210.37	148.74
913	212.68	156.16
915	199.08	146.71
918	156.57	136.88
920	124.47	134.86
923	115.54	141.16
925	130.47	156.01
928	174.43	155.66
930	225.65	154.89
933	246.35	161.80
935	223.38	156.37
938	175.28	140.95
940	153.80	147.36
943	150.51	172.47
945	152.45	176.80
948	141.06	166.42
950	129.27	173.77
953	118.12	203.37
955	117.75	215.64
958	121.27	180.71
960	129.75	164.53
963	150.24	156.03
965	178.31	167.14
968	199.02	179.44
970	218.20	168.59
973	228.53	161.26
975	236.77	173.19
978	235.23	192.31
980	246.57	190.65
983	254.16	187.25
985	239.06	179.68
988	209.63	149.02
990	186.63	136.18
993	178.62	147.03
995	183.80	148.47
998	189.10	142.94
1000	181.95	153.25