

Tested February 18, 2000

APPENDIX: Tune Pulses - Data Details

COARSE TUNE Pulse; Fundamental Frequency = 288MHz

	mSec	Level uV/m	mSec	Level uV/m	mSec	Level uV/m	mSec	Level uV/m
1	100	44.82	125	49.66	150	2992.26	175	3349.65
2	100.5	53.27	125.5	48.87	150.5	2968.25	175.5	2954.61
3	101	47.81	126	52.84	151	2867.48	176	2676.09
4	101.5	50.06	126.5	46.88	151.5	2808.67	176.5	2440.62
5	102	52.84	127	50.47	152	2747.89	177	2262.04
6	102.5	44.21	127.5	44.36	152.5	2719.57	177.5	2123.24
7	103	48.47	128	44.46	153	2703.96	178	2002.17
8	103.5	47.42	128.5	47.15	153.5	2660.73	178.5	1901.08
9	104	45.45	129	59.29	154	2612.16	179	1851.40
10	104.5	48.87	129.5	48.08	154.5	2591.19	179.5	1788.55
11	105	46.88	130	44.82	155	2585.23	180	1737.80
12	105.5	45.19	130.5	43.45	155.5	2549.76	180.5	1682.67
13	106	67.61	131	49.49	156	47.32	181	1636.82
14	106.5	55.78	131.5	43.80	156.5	53.70	181.5	1616.22
15	107	59.98	132	48.47	157	51.88	182	1577.61
16	107.5	53.46	132.5	46.88	157.5	55.65	182.5	1555.97
17	108	54.33	133	43.70	158	62.95	183	1547.03
18	108.5	54.76	133.5	49.89	158.5	46.88	183.5	1515.30
19	109	62.09	134	51.23	159	47.70	184	1506.61
20	109.5	49.89	134.5	49.89	159.5	48.31	184.5	1503.14
21	110	44.57	135	48.70	160	52.30	185	1479.11
22	110.5	49.09	135.5	53.89	160.5	54.89	185.5	1465.55
23	111	56.23	136	51.23	161	48.58	186	1458.81
24	111.5	48.58	136.5	59.16	161.5	51.88	186.5	1442.12
25	112	49.49	137	52.00	162	56.23	187	1442.12
26	112.5	53.15	137.5	57.48	162.5	48.08	187.5	1435.49
27	113	49.49	138	46.88	163	48.58	188	1419.06
28	113.5	45.45	138.5	57.48	163.5	48.19	188.5	1419.06
29	114	52.42	139	47.70	164	48.47	189	1415.79
30	114.5	49.89	139.5	54.14	164.5	54.33	189.5	1412.54
31	115	48.98	140	52.60	165	47.70	190	1409.29
32	115.5	63.10	140.5	52.42	165.5	54.76	190.5	1397.98
33	116	50.64	141	51.35	166	49.49	191	1401.20
34	116.5	54.01	141.5	48.70	166.5	48.87	191.5	1386.76
35	117	59.29	142	51.58	167	58.21	192	1404.43
36	117.5	50.93	142.5	1676.87	167.5	62.45	192.5	1381.97
37	118	48.87	143	3254.62	168	52.42	193	1375.62
38	118.5	43.80	143.5	6614.55	168.5	2463.20	193.5	55.78
39	119	48.58	144	14387.99	169	2907.37	194	44.21
40	119.5	43.70	144.5	16274.21	169.5	3503.48	194.5	43.70
41	120	44.93	145	10543.87	170	4477.13	195	49.26
42	120.5	45.92	145.5	6722.02	170.5	6025.60	195.5	47.92
43	121	56.69	146	5321.08	171	8892.01	196	48.47
44	121.5	47.32	146.5	4560.37	171.5	15523.87	196.5	48.98
45	122	52.60	147	4073.80	172	16292.96	197	47.92
46	122.5	47.32	147.5	3758.37	172.5	12589.25	197.5	52.60
47	123	46.03	148	3515.60	173	8394.60	198	49.66
48	123.5	52.18	148.5	3338.11	173.5	6060.38	198.5	48.19
49	124	46.88	149	3187.87	174	4758.83	199	55.02
50	124.5	54.01	149.5	3069.02	174.5	3935.50	199.5	47.15

COARSE TUNE Pulse; Fundamental Frequency = 310MHz

	mSec	Level uV/m	mSec	Level uV/m	mSec	Level uV/m	mSec	Level uV/m
1	100	47.64	125	51.76	150	52.06	175	3732.50
2	100.5	47.37	125.5	47.04	150.5	54.39	175.5	3655.95
3	101	56.30	126	58.48	151	52.48	176	3597.49
4	101.5	59.57	126.5	50.52	151.5	53.03	176.5	3556.31
5	102	48.25	127	58.48	152	56.04	177	3515.60
6	102.5	51.88	127.5	49.55	152.5	62.02	177.5	3479.37
7	103	54.58	128	49.55	153	53.89	178	3451.44
8	103.5	49.43	128.5	56.75	153.5	52.18	178.5	3431.63
9	104	49.43	129	53.46	154	51.23	179	3396.25
10	104.5	56.75	129.5	64.19	154.5	59.29	179.5	3384.54
11	105	57.54	130	52.06	155	54.83	180	3361.24
12	105.5	59.77	130.5	51.05	155.5	59.57	180.5	3341.95
13	106	54.70	131	57.54	156	55.72	181	3322.77
14	106.5	57.68	131.5	55.27	156.5	58.95	181.5	3322.77
15	107	65.77	132	55.27	157	61.38	182	3296.10
16	107.5	61.87	132.5	51.05	157.5	60.39	182.5	3307.50
17	108	54.58	133	58.95	158	58.48	183	3296.10
18	108.5	59.09	133.5	52.60	158.5	52.30	183.5	3277.18
19	109	47.37	134	49.72	159	57.08	184	3277.18
20	109.5	51.76	134.5	51.23	159.5	59.43	184.5	3265.88
21	110	71.45	135	53.03	160	59.43	185	3239.66
22	110.5	60.39	135.5	56.62	160.5	49.72	185.5	3277.18
23	111	56.30	136	4295.36	161	66.53	186	3277.18
24	111.5	53.46	136.5	7655.97	161.5	51.64	186.5	3239.66
25	112	53.33	137	13677.29	162	50.35	187	49.32
26	112.5	48.81	137.5	17080.48	162.5	3585.09	187.5	47.37
27	113	50.23	138	15667.51	163	4251.09	188	47.75
28	113.5	49.32	138.5	10292.01	163.5	5110.93	188.5	67.22
29	114	64.05	139	7925.01	164	6287.82	189	52.91
30	114.5	51.35	139.5	6737.52	164.5	8053.78	189.5	57.21
31	115	60.53	140	5991.01	165	10789.47	190	49.43
32	115.5	60.05	140.5	5445.03	165.5	14945.14	190.5	49.55
33	116	54.39	141	5029.21	166	17159.32	191	50.93
34	116.5	49.83	141.5	4769.80	166.5	16982.44	191.5	53.46
35	117	51.46	142	4544.65	167	14157.94	192	46.67
36	117.5	55.27	142.5	4365.16	167.5	11284.96	192.5	52.18
37	118	65.46	143	4207.27	168	9246.98	193	57.68
38	118.5	54.58	143.5	4078.50	168.5	7843.32	193.5	56.30
39	119	44.46	144	3971.92	169	6950.24	194	47.64
40	119.5	56.04	144.5	3863.67	169.5	6201.55	194.5	58.48
41	120	60.88	145	3908.41	170	5623.41	195	54.70
42	120.5	60.74	145.5	3793.15	170.5	5205.95	195.5	51.76
43	121	57.41	146	3745.42	171	4897.79	196	51.76
44	121.5	49.20	146.5	3672.82	171.5	4655.86	196.5	48.53
45	122	50.93	147	3643.34	172	4425.88	197	53.89
46	122.5	53.89	147.5	3614.10	172.5	4251.09	197.5	58.34
47	123	58.48	148	3568.62	173	4087.90	198	58.61
48	123.5	59.91	148.5	3539.97	173.5	3971.92	198.5	60.26
49	124	61.02	149	3507.52	174	3885.97	199	60.05
50	124.5	50.52	149.5	58.01	174.5	3784.43	199.5	52.72

COARSE TUNE Pulse; Fundamental Frequency = 418MHz

	mSec	Level uV/m	mSec	Level uV/m	mSec	Level uV/m	mSec	Level uV/m
1	100	78.52	125	90.57	150	72.86	175	7943.28
2	100.5	76.03	125.5	80.91	150.5	67.92	175.5	7970.76
3	101	74.05	126	75.42	151	82.89	176	7925.01
4	101.5	78.52	126.5	80.26	151.5	70.55	176.5	7925.01
5	102	77.45	127	8639.73	152	65.77	177	7906.79
6	102.5	68.31	127.5	12402.24	152.5	83.56	177.5	7879.52
7	103	76.03	128	15559.66	153	79.62	178	7879.52
8	103.5	80.91	128.5	16749.43	153.5	71.53	178.5	7843.32
9	104	74.64	129	16943.38	154	71.53	179	7843.32
10	104.5	77.27	129.5	16443.72	154.5	66.83	179.5	7825.28
11	105	84.04	130	15631.48	155	69.26	180	97.61
12	105.5	72.28	130.5	14655.48	155.5	10069.32	180.5	77.27
13	106	76.47	131	13787.96	156	12897.34	181	81.47
14	106.5	66.83	131.5	12941.96	156.5	15506.01	181.5	88.72
15	107	77.45	132	12331.05	157	16672.47	182	78.52
16	107.5	73.20	132.5	11748.98	157.5	16710.91	182.5	80.63
17	108	88.41	133	11324.00	158	16481.62	183	69.02
18	108.5	68.31	133.5	10977.41	158.5	15559.66	183.5	74.82
19	109	84.72	134	10653.69	159	14239.67	184	68.87
20	109.5	78.52	134.5	10399.20	159.5	13076.76	184.5	69.58
21	110	78.70	135	10209.39	160	12203.94	185	82.04
22	110.5	82.89	135.5	10046.16	160.5	11324.00	185.5	80.45
23	111	92.79	136	9908.32	161	10739.89	186	73.20
24	111.5	86.60	136.5	9761.13	161.5	10232.93	186.5	67.38
25	112	74.39	137	9627.20	162	9885.53	187	82.22
26	112.5	85.90	137.5	9605.06	162.5	9538.94	187.5	74.39
27	113	75.60	138	9484.18	163	9311.08	188	73.03
28	113.5	79.80	138.5	9408.06	163.5	9057.33	188.5	81.10
29	114	94.84	139	9386.42	164	8892.01	189	74.99
30	114.5	77.09	139.5	9332.54	164.5	8729.71	189.5	68.47
31	115	75.25	140	9278.97	165	8659.64	190	78.07
32	115.5	79.16	140.5	71.53	165.5	8590.14	190.5	93.76
33	116	76.65	141	65.77	166	8472.27	191	74.99
34	116.5	80.63	141.5	69.26	166.5	8384.94	191.5	71.86
35	117	77.09	142	67.07	167	8317.64	192	88.72
36	117.5	80.45	142.5	69.26	167.5	8298.51	192.5	70.71
37	118	73.79	143	70.15	168	8231.90	193	74.82
38	118.5	76.03	143.5	82.70	168.5	8203.52	193.5	75.86
39	119	80.63	144	71.29	169	8203.52	194	77.89
40	119.5	91.10	144.5	76.82	169.5	8118.95	194.5	74.22
41	120	74.99	145	88.41	170	8137.67	195	71.70
42	120.5	77.89	145.5	68.87	170.5	8100.28	195.5	88.72
43	121	85.90	146	75.60	171	8072.35	196	88.00
44	121.5	96.05	146.5	67.07	171.5	8072.35	196.5	79.98
45	122	76.21	147	65.99	172	8007.56	197	74.99
46	122.5	81.28	147.5	71.12	172.5	8035.26	197.5	80.26
47	123	77.27	148	70.39	173	8007.56	198	84.53
48	123.5	77.89	148.5	69.26	173.5	7989.14	198.5	78.98
49	124	79.98	149	75.25	174	8007.56	199	84.24
50	124.5	81.47	149.5	80.45	174.5	7989.14	199.5	82.51

FINE TUNE Pulses; Fundamental Frequency = 288MHz

	mSec	Level uV/m	mSec	Level uV/m	mSec	Level uV/m	mSec	Level uV/m
1	90	51.88	115	52.00	140	47.15	165	49.66
2	90.5	50.58	115.5	49.09	140.5	47.32	165.5	59.29
3	91	57.15	116	47.04	141	15470.35	166	47.53
4	91.5	54.01	116.5	48.87	141.5	54.01	166.5	56.36
5	92	46.67	117	55.91	142	55.78	167	54.45
6	92.5	44.36	117.5	42.76	142.5	54.58	167.5	50.82
7	93	51.23	118	47.04	143	52.30	168	49.89
8	93.5	51.46	118.5	51.76	143.5	54.14	168.5	55.91
9	94	46.13	119	7852.36	144	59.98	169	53.15
10	94.5	51.88	119.5	7870.46	144.5	55.65	169.5	52.18
11	95	52.60	120	51.46	145	53.58	170	59.63
12	95.5	47.53	120.5	43.70	145.5	50.47	170.5	49.09
13	96	52.60	121	53.70	146	61.24	171	59.63
14	96.5	47.53	121.5	44.21	146.5	54.01	171.5	50.18
15	97	50.18	122	50.47	147	56.56	172	55.46
16	97.5	3447.47	122.5	63.61	147.5	56.56	172.5	55.02
17	98	48.87	123	43.85	148	55.21	173	54.14
18	98.5	45.55	123.5	47.70	148.5	46.77	173.5	5152.29
19	99	51.88	124	48.70	149	58.55	174	4758.83
20	99.5	51.46	124.5	49.89	149.5	69.50	174.5	53.89
21	100	45.19	125	49.37	150	53.27	175	54.33
22	100.5	51.05	125.5	57.74	150.5	56.10	175.5	51.88
23	101	45.81	126	54.33	151	52.72	176	45.55
24	101.5	48.08	126.5	46.13	151.5	59.16	176.5	59.98
25	102	44.36	127	46.13	152	11789.63	177	57.88
26	102.5	47.92	127.5	42.85	152.5	62.45	177.5	59.02
27	103	54.33	128	51.35	153	54.76	178	50.82
28	103.5	49.26	128.5	49.37	153.5	50.93	178.5	49.89
29	104	46.88	129	48.70	154	58.21	179	49.49
30	104.5	52.42	129.5	46.13	154.5	55.02	179.5	46.03
31	105	51.23	130	13182.57	155	53.70	180	51.76
32	105.5	46.51	130.5	50.93	155.5	48.98	180.5	47.32
33	106	52.30	131	47.70	156	49.26	181	53.58
34	106.5	63.10	131.5	49.66	156.5	57.02	181.5	52.00
35	107	51.23	132	45.29	157	51.46	182	52.84
36	107.5	52.60	132.5	61.73	157.5	55.65	182.5	55.91
37	108	4886.52	133	51.35	158	52.00	183	54.01
38	108.5	4926.06	133.5	50.18	158.5	53.89	183.5	57.74
39	109	62.23	134	47.92	159	52.72	184	54.14
40	109.5	47.70	134.5	46.77	159.5	51.23	184.5	4197.59
41	110	46.51	135	47.04	160	55.46	185	52.00
42	110.5	50.64	135.5	49.77	160.5	53.58	185.5	50.93
43	111	46.29	136	52.00	161	54.01	186	56.10
44	111.5	51.46	136.5	50.64	161.5	52.00	186.5	53.15
45	112	51.05	137	47.32	162	53.03	187	57.15
46	112.5	43.70	137.5	57.48	162.5	6998.42	187.5	51.23
47	113	52.00	138	55.78	163	5977.23	188	55.34
48	113.5	43.55	138.5	53.89	163.5	50.64	188.5	55.02
49	114	54.33	139	48.47	164	53.46	189	53.15
50	114.5	50.93	139.5	53.46	164.5	55.34	189.5	48.31

FINE TUNE Pulses; Fundamental Frequency = 310MHz

	mSec	Level uV/m	mSec	Level uV/m	mSec	Level uV/m	mSec	Level uV/m
1	90	56.17	115	52.72	140	59.29	165	56.49
2	90.5	53.15	115.5	51.23	140.5	51.23	165.5	12691.12
3	91	47.64	116	46.94	141	55.02	166	59.57
4	91.5	48.03	116.5	60.88	141.5	58.95	166.5	55.40
5	92	54.83	117	51.46	142	50.23	167	55.59
6	92.5	55.72	117.5	53.89	142.5	16443.72	167.5	60.53
7	93	49.03	118	49.95	143	16846.12	168	62.37
8	93.5	53.58	118.5	57.68	143.5	51.05	168.5	69.26
9	94	58.01	119	59.77	144	54.39	169	64.57
10	94.5	62.16	119.5	53.77	144.5	49.72	169.5	63.39
11	95	52.06	120	9671.64	145	52.91	170	55.14
12	95.5	46.67	120.5	9727.47	145.5	51.76	170.5	54.70
13	96	49.72	121	51.46	146	54.58	171	50.93
14	96.5	52.72	121.5	56.75	146.5	56.95	171.5	53.77
15	97	56.75	122	49.20	147	54.83	172	70.15
16	97.5	5501.74	122.5	50.64	147.5	55.02	172.5	60.05
17	98	5520.77	123	52.48	148	53.46	173	57.41
18	98.5	77.89	123.5	58.14	148.5	51.64	173.5	56.95
19	99	50.64	124	49.55	149	57.54	174	56.62
20	99.5	51.35	124.5	54.70	149.5	51.76	174.5	59.43
21	100	50.93	125	58.61	150	56.75	175	56.62
22	100.5	54.70	125.5	60.74	150.5	59.09	175.5	61.52
23	101	55.27	126	50.12	151	60.53	176	62.02
24	101.5	51.35	126.5	55.27	151.5	60.74	176.5	9343.29
25	102	60.26	127	47.04	152	65.99	177	8118.95
26	102.5	51.76	127.5	51.64	152.5	52.91	177.5	55.14
27	103	51.64	128	48.64	153	55.40	178	67.38
28	103.5	48.42	128.5	55.72	153.5	58.14	178.5	55.27
29	104	59.77	129	55.02	154	15452.54	179	55.02
30	104.5	49.20	129.5	48.42	154.5	14076.67	179.5	59.77
31	105	50.52	130	49.43	155	49.55	180	53.89
32	105.5	52.72	130.5	51.64	155.5	53.46	180.5	58.48
33	106	50.64	131	51.46	156	54.01	181	63.17
34	106.5	44.21	131.5	13350.58	156.5	61.24	181.5	51.05
35	107	53.46	132	47.48	157	54.39	182	57.08
36	107.5	53.89	132.5	52.06	157.5	59.57	182.5	64.42
37	108	53.46	133	50.64	158	56.62	183	56.17
38	108.5	62.02	133.5	49.72	158.5	62.16	183.5	52.91
39	109	7079.46	134	45.66	159	63.53	184	57.88
40	109.5	51.64	134.5	49.83	159.5	50.82	184.5	50.12
41	110	60.53	135	60.74	160	57.88	185	68.71
42	110.5	51.05	135.5	52.06	160.5	55.40	185.5	57.21
43	111	54.83	136	56.30	161	54.20	186	63.90
44	111.5	54.39	136.5	61.24	161.5	57.68	186.5	57.21
45	112	50.82	137	54.70	162	65.09	187	61.52
46	112.5	53.58	137.5	50.64	162.5	52.91	187.5	58.48
47	113	53.77	138	62.52	163	58.48	188	6151.77
48	113.5	62.66	138.5	54.33	163.5	53.46	188.5	49.95
49	114	52.48	139	51.76	164	62.37	189	53.77
50	114.5	63.02	139.5	54.39	164.5	54.20	189.5	57.54

FINE TUNE Pulses; Fundamental Frequency = 418MHz

	mSec	Level uV/m	mSec	Level uV/m	mSec	Level uV/m	mSec	Level uV/m
1	100	79.34	125	75.42	150	76.47	175	74.39
2	100.5	67.76	125.5	73.20	150.5	92.26	175.5	61.52
3	101	80.63	126	66.30	151	73.62	176	74.05
4	101.5	15885.47	126.5	77.27	151.5	70.39	176.5	68.31
5	102	82.22	127	76.65	152	79.16	177	61.87
6	102.5	76.03	127.5	69.42	152.5	77.89	177.5	79.80
7	103	70.55	128	16481.62	153	75.86	178	73.45
8	103.5	77.27	128.5	16443.72	153.5	72.61	178.5	75.25
9	104	70.96	129	81.28	154	73.45	179	72.61
10	104.5	80.63	129.5	77.89	154.5	16087.92	179.5	79.62
11	105	72.86	130	78.98	155	16481.62	180	65.77
12	105.5	75.42	130.5	68.71	155.5	67.07	180.5	68.16
13	106	79.34	131	70.55	156	68.16	181	69.82
14	106.5	77.27	131.5	73.20	156.5	80.63	181.5	16014.01
15	107	72.61	132	86.30	157	74.82	182	75.60
16	107.5	74.82	132.5	75.60	157.5	71.86	182.5	74.82
17	108	74.22	133	84.72	158	67.38	183	72.28
18	108.5	70.55	133.5	75.86	158.5	76.03	183.5	69.98
19	109	74.82	134	79.16	159	73.20	184	70.71
20	109.5	81.28	134.5	74.82	159.5	77.89	184.5	72.44
21	110	71.53	135	96.38	160	68.31	185	67.76
22	110.5	86.60	135.5	75.42	160.5	75.86	185.5	70.96
23	111	77.89	136	74.22	161	70.55	186	70.15
24	111.5	79.80	136.5	71.86	161.5	74.64	186.5	69.02
25	112	71.70	137	72.11	162	67.07	187	76.21
26	112.5	81.28	137.5	69.02	162.5	74.05	187.5	66.30
27	113	76.03	138	76.82	163	74.64	188	71.86
28	113.5	70.39	138.5	84.92	163.5	65.24	188.5	74.39
29	114	72.86	139	84.92	164	84.72	189	68.71
30	114.5	15381.55	139.5	67.22	164.5	68.71	189.5	73.20
31	115	16349.33	140	73.79	165	69.58	190	71.53
32	115.5	82.22	140.5	79.62	165.5	76.03	190.5	69.42
33	116	72.11	141	78.34	166	71.53	191	66.15
34	116.5	76.47	141.5	16538.65	166.5	78.98	191.5	65.24
35	117	76.82	142	72.86	167	82.04	192	80.26
36	117.5	101.16	142.5	69.58	167.5	65.77	192.5	82.04
37	118	65.99	143	71.70	168	16311.73	193	71.29
38	118.5	80.91	143.5	78.70	168.5	16274.21	193.5	76.21
39	119	69.26	144	79.80	169	67.07	194	71.29
40	119.5	82.22	144.5	65.99	169.5	66.53	194.5	15275.66
41	120	72.86	145	80.45	170	79.98	195	15346.17
42	120.5	74.39	145.5	79.98	170.5	77.89	195.5	82.70
43	121	65.77	146	66.15	171	72.11	196	69.26
44	121.5	78.34	146.5	83.56	171.5	86.10	196.5	68.71
45	122	79.80	147	70.96	172	63.75	197	74.39
46	122.5	79.98	147.5	83.37	172.5	72.28	197.5	82.04
47	123	85.21	148	70.39	173	71.70	198	69.26
48	123.5	81.85	148.5	74.99	173.5	68.71	198.5	76.21
49	124	71.29	149	70.71	174	69.02	199	87.30
50	124.5	72.44	149.5	89.85	174.5	68.71	199.5	75.60