

**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
100.5	51.11	125.5	50.41	150.5	51.11	175.5	1713.96
101.0	51.70	126.0	56.56	151.0	53.95	176.0	1710.02
101.5	54.58	126.5	2167.70	151.5	47.59	176.5	1706.08
102.0	48.70	127.0	3780.07	152.0	49.09	177.0	53.27
102.5	57.94	127.5	7055.05	152.5	3303.70	177.5	57.94
103.0	66.30	128.0	13396.77	153.0	4027.17	178.0	51.23
103.5	50.12	128.5	17478.33	153.5	5223.96	178.5	54.26
104.0	52.54	129.0	17159.32	154.0	7236.02	179.0	47.21
104.5	50.70	129.5	10814.34	154.5	11415.63	179.5	54.58
105.0	52.00	130.0	7709.03	155.0	17559.01	180.0	49.49
105.5	51.23	130.5	6316.84	155.5	17478.33	180.5	59.84
106.0	53.52	131.0	5584.70	156.0	13474.11	181.0	51.88
106.5	53.09	131.5	5058.25	156.5	9332.54	181.5	52.12
107.0	53.70	132.0	4726.07	157.0	6846.99	182.0	46.56
107.5	55.78	132.5	4430.98	157.5	5407.54	182.5	58.68
108.0	47.92	133.0	4236.43	158.0	4466.84	183.0	52.12
108.5	51.46	133.5	4092.61	158.5	3832.66	183.5	51.23
109.0	52.97	134.0	3981.07	159.0	3372.87	184.0	57.48
109.5	48.31	134.5	3926.45	159.5	3033.89	184.5	54.14
110.0	50.00	135.0	3810.66	160.0	2792.54	185.0	53.39
110.5	56.43	135.5	3741.11	160.5	2594.18	185.5	48.53
111.0	50.00	136.0	3681.29	161.0	2460.37	186.0	53.95
111.5	52.12	136.5	3622.43	161.5	2344.23	186.5	53.83
112.0	52.54	137.0	3585.09	162.0	2228.44	187.0	53.83
112.5	48.31	137.5	3564.51	162.5	2128.14	187.5	50.12
113.0	55.14	138.0	3535.90	163.0	2072.53	188.0	49.20
113.5	53.52	138.5	3507.52	163.5	2030.02	188.5	49.89
114.0	52.42	139.0	3471.36	164.0	1965.62	189.0	58.28
114.5	59.16	139.5	51.46	164.5	1940.89	189.5	53.95
115.0	49.72	140.0	55.27	165.0	1890.17	190.0	47.59
115.5	53.83	140.5	49.49	165.5	1866.38	190.5	51.70
116.0	48.14	141.0	56.23	166.0	1845.02	191.0	61.31
116.5	52.12	141.5	51.46	166.5	1826.00	191.5	48.03
117.0	50.41	142.0	50.70	167.0	1811.34	192.0	57.81
117.5	48.53	142.5	52.00	167.5	1792.67	192.5	54.39
118.0	49.60	143.0	47.70	168.0	1774.19	193.0	46.18
118.5	53.09	143.5	45.81	168.5	1755.90	193.5	45.08
119.0	49.20	144.0	57.94	169.0	1751.86	194.0	47.59
119.5	52.54	144.5	53.09	169.5	1764.01	194.5	53.70
120.0	49.49	145.0	53.83	170.0	1737.80	195.0	50.29
120.5	58.88	145.5	50.12	170.5	1733.80	195.5	47.70
121.0	55.78	146.0	50.82	171.0	1723.85	196.0	48.92
121.5	47.92	146.5	49.20	171.5	1737.80	196.5	49.09
122.0	58.08	147.0	54.58	172.0	1719.89	197.0	52.42
122.5	48.03	147.5	52.54	172.5	1733.80	197.5	59.84
123.0	55.53	148.0	55.98	173.0	1710.02	198.0	48.81
123.5	52.12	148.5	54.26	173.5	1713.96	198.5	51.46
124.0	50.82	149.0	46.45	174.0	1706.08	199.0	56.69
124.5	50.00	149.5	59.98	174.5	1727.83	199.5	58.08
125.0	51.88	150.0	48.81	175.0	1710.02	200.0	54.58

COARSE TUNE Pulse; Fundamental Frequency = 310MHz

mSec	Level uV/m	mSec	Level uV/m	mSec	Level uV/m	mSec	Level uV/m
100.5	54.76	125.5	7762.47	150.5	15488.17	175.5	51.76
101.0	50.52	126.0	6918.31	151.0	14354.89	176.0	53.77
101.5	57.21	126.5	6309.57	151.5	11694.99	176.5	61.09
102.0	54.33	127.0	5861.38	152.0	9311.08	177.0	57.54
102.5	53.77	127.5	5559.04	152.5	7516.23	177.5	52.48
103.0	54.76	128.0	5327.21	153.0	6412.10	178.0	54.33
103.5	54.20	128.5	5116.82	153.5	5591.14	178.5	51.11
104.0	57.08	129.0	4943.11	154.0	5017.65	179.0	64.79
104.5	60.33	129.5	4797.33	154.5	4597.27	179.5	51.76
105.0	53.46	130.0	4693.53	155.0	4246.20	180.0	48.98
105.5	58.48	130.5	4581.42	155.5	4004.05	180.5	52.60
106.0	64.79	131.0	4508.17	156.0	3775.72	181.0	56.75
106.5	57.21	131.5	4425.88	156.5	3626.60	181.5	50.82
107.0	65.16	132.0	4370.19	157.0	3503.48	182.0	54.08
107.5	56.95	132.5	4270.71	157.5	3361.24	182.5	52.18
108.0	53.21	133.0	4370.19	158.0	3280.95	183.0	64.27
108.5	52.60	133.5	4270.71	158.5	3195.21	183.5	63.97
109.0	57.68	134.0	4226.69	159.0	3118.89	184.0	50.70
109.5	51.23	134.5	59.57	159.5	3076.10	184.5	57.21
110.0	60.46	135.0	50.82	160.0	3013.01	185.0	54.76
110.5	50.18	135.5	52.36	160.5	2995.71	185.5	51.76
111.0	52.60	136.0	54.95	161.0	2937.65	186.0	51.52
111.5	57.41	136.5	49.09	161.5	2920.79	186.5	54.64
112.0	56.04	137.0	48.19	162.0	2897.34	187.0	51.23
112.5	59.84	137.5	50.82	162.5	2874.09	187.5	48.98
113.0	64.27	138.0	50.18	163.0	2867.48	188.0	62.95
113.5	60.12	138.5	51.52	163.5	2851.02	188.5	61.09
114.0	61.09	139.0	49.60	164.0	2828.13	189.0	51.64
114.5	51.76	139.5	56.95	164.5	2811.90	189.5	61.59
115.0	58.14	140.0	49.77	165.0	2798.98	190.0	54.51
115.5	56.04	140.5	57.41	165.5	2811.90	190.5	54.51
116.0	55.46	141.0	52.18	166.0	2782.92	191.0	61.94
116.5	60.33	141.5	53.03	166.5	2782.92	191.5	51.35
117.0	54.76	142.0	63.10	167.0	2792.54	192.0	53.89
117.5	58.34	142.5	49.60	167.5	2792.54	192.5	54.20
118.0	62.95	143.0	52.18	168.0	2782.92	193.0	51.35
118.5	60.33	143.5	54.33	168.5	2770.13	193.5	51.23
119.0	61.09	144.0	53.64	169.0	2760.58	194.0	57.54
119.5	61.31	144.5	55.08	169.5	2776.51	194.5	60.95
120.0	58.95	145.0	62.45	170.0	2760.58	195.0	55.59
120.5	54.95	145.5	60.33	170.5	2754.23	195.5	53.03
121.0	2561.53	146.0	55.91	171.0	2754.23	196.0	56.62
121.5	4092.61	146.5	49.09	171.5	2760.58	196.5	56.75
122.0	6501.30	147.0	53.33	172.0	52.78	197.0	60.12
122.5	10256.52	147.5	3859.22	172.5	50.52	197.5	50.18
123.0	14740.09	148.0	4808.39	173.0	60.95	198.0	60.12
123.5	15613.49	148.5	6039.49	173.5	61.59	198.5	55.59
124.0	14588.14	149.0	8035.26	174.0	56.49	199.0	57.41
124.5	11324.00	149.5	11389.38	174.5	58.48	199.5	54.76
125.0	9162.20	150.0	15170.50	175.0	54.64	200.0	60.95

COARSE TUNE Pulse; Fundamental Frequency = 418MHz

mSec	Level uV/m	mSec	Level uV/m	mSec	Level uV/m	mSec	Level uV/m
100.5	72.03	125.5	13243.42	150.5	8250.87	175.5	76.47
101.0	83.18	126.0	13106.90	151.0	7673.61	176.0	76.82
101.5	83.56	126.5	13031.67	151.5	7244.36	176.5	101.04
102.0	76.21	127.0	12897.34	152.0	6862.78	177.0	98.97
102.5	73.20	127.5	12823.31	152.5	6606.93	177.5	79.07
103.0	76.82	128.0	12720.38	153.0	6397.35	178.0	86.70
103.5	88.31	128.5	12764.39	153.5	6230.17	178.5	85.02
104.0	89.95	129.0	12661.93	154.0	6116.46	179.0	86.40
104.5	74.82	129.5	12560.30	154.5	5984.12	179.5	92.36
105.0	82.51	130.0	70.96	155.0	5936.08	180.0	85.31
105.5	83.18	130.5	68.16	155.5	5780.96	180.5	81.19
106.0	90.26	131.0	69.42	156.0	5714.79	181.0	76.03
106.5	80.54	131.5	73.62	156.5	5668.92	181.5	80.08
107.0	78.80	132.0	66.22	157.0	5610.48	182.0	82.04
107.5	85.31	132.5	68.16	157.5	5552.65	182.5	93.86
108.0	73.79	133.0	87.60	158.0	5508.08	183.0	87.60
108.5	99.20	133.5	69.58	158.5	5463.87	183.5	71.29
109.0	96.72	134.0	66.22	159.0	5420.01	184.0	73.62
109.5	75.42	134.5	67.76	159.5	5476.46	184.5	76.03
110.0	88.51	135.0	74.05	160.0	5388.90	185.0	74.39
110.5	77.45	135.5	80.54	160.5	5364.14	185.5	80.91
111.0	79.07	136.0	89.02	161.0	5364.14	186.0	75.86
111.5	82.70	136.5	69.02	161.5	5333.35	186.5	81.85
112.0	81.38	137.0	64.86	162.0	5290.54	187.0	83.18
112.5	86.00	137.5	76.21	162.5	5302.74	187.5	77.09
113.0	73.20	138.0	68.31	163.0	5236.00	188.0	78.43
113.5	79.89	138.5	74.99	163.5	5236.00	188.5	71.86
114.0	79.89	139.0	73.20	164.0	5217.95	189.0	86.00
114.5	79.25	139.5	77.09	164.5	5193.98	189.5	84.33
115.0	73.62	140.0	74.05	165.0	5176.07	190.0	84.82
115.5	76.65	140.5	74.99	165.5	5176.07	190.5	86.70
116.0	78.80	141.0	62.37	166.0	5193.98	191.0	77.45
116.5	6434.28	141.5	66.07	166.5	5152.29	191.5	83.56
117.0	8590.14	142.0	73.62	167.0	5134.52	192.0	71.86
117.5	12078.14	142.5	63.46	167.5	5152.29	192.5	79.25
118.0	16691.68	143.0	73.79	168.0	5122.71	193.0	79.25
118.5	20440.90	143.5	78.80	168.5	5081.59	193.5	86.20
119.0	21877.62	144.0	77.89	169.0	5017.65	194.0	76.65
119.5	21702.01	144.5	64.86	169.5	84.63	194.5	80.54
120.0	20535.25	145.0	14125.38	170.0	87.40	195.0	86.70
120.5	18836.49	145.5	16255.49	170.5	82.04	195.5	71.12
121.0	17318.09	146.0	19186.69	171.0	71.53	196.0	80.91
121.5	16292.96	146.5	21577.44	171.5	79.89	196.5	79.07
122.0	15613.49	147.0	21752.04	172.0	85.31	197.0	85.31
122.5	14791.08	147.5	20892.96	172.5	86.90	197.5	74.39
123.0	14354.89	148.0	17741.89	173.0	88.31	198.0	85.02
123.5	14060.48	148.5	14521.12	173.5	83.18	198.5	89.74
124.0	13756.25	149.0	12078.14	174.0	78.80	199.0	85.51
124.5	13505.17	149.5	10303.86	174.5	80.08	199.5	83.56
125.0	13396.77	150.0	9078.21	175.0	84.04	200.0	77.09

FINE TUNE Pulses; Fundamental Frequency = 288MHz

mSec	Level uV/m	mSec	Level uV/m	mSec	Level uV/m	mSec	Level uV/m
90.5	56.30	115.5	50.99	140.5	49.66	165.5	55.85
91.0	46.99	116.0	60.67	141.0	52.72	166.0	52.48
91.5	55.59	116.5	53.33	141.5	65.99	166.5	48.47
92.0	62.16	117.0	12161.86	142.0	55.21	167.0	53.33
92.5	47.10	117.5	50.76	142.5	46.03	167.5	48.98
93.0	54.89	118.0	51.29	143.0	48.58	168.0	47.86
93.5	53.33	118.5	47.64	143.5	53.15	168.5	54.33
94.0	51.40	119.0	53.58	144.0	48.19	169.0	57.54
94.5	49.15	119.5	53.03	144.5	47.75	169.5	53.03
95.0	5401.32	120.0	52.18	145.0	49.66	170.0	47.37
95.5	5388.90	120.5	56.30	145.5	48.75	170.5	50.58
96.0	49.77	121.0	55.08	146.0	49.37	171.0	58.14
96.5	54.01	121.5	56.62	146.5	44.93	171.5	6046.44
97.0	52.18	122.0	50.58	147.0	53.89	172.0	54.64
97.5	50.47	122.5	49.55	147.5	49.55	172.5	50.87
98.0	48.08	123.0	55.21	148.0	50.47	173.0	54.45
98.5	48.47	123.5	56.17	148.5	48.75	173.5	49.37
99.0	47.10	124.0	56.75	149.0	54.76	174.0	52.60
99.5	57.54	124.5	48.47	149.5	12387.97	174.5	53.15
100.0	54.33	125.0	54.64	150.0	9300.37	175.0	53.58
100.5	58.95	125.5	50.06	150.5	49.95	175.5	51.76
101.0	51.94	126.0	53.33	151.0	54.20	176.0	46.61
101.5	56.62	126.5	52.30	151.5	45.87	176.5	47.10
102.0	58.48	127.0	57.88	152.0	51.29	177.0	53.03
102.5	47.48	127.5	49.15	152.5	46.24	177.5	48.87
103.0	52.06	128.0	17398.03	153.0	56.04	178.0	48.19
103.5	50.35	128.5	50.99	153.5	56.30	178.5	49.15
104.0	53.15	129.0	57.54	154.0	48.19	179.0	47.26
104.5	49.66	129.5	50.35	154.5	47.86	179.5	47.10
105.0	52.72	130.0	45.39	155.0	49.15	180.0	52.60
105.5	53.77	130.5	58.75	155.5	54.01	180.5	45.76
106.0	7744.62	131.0	59.57	156.0	51.94	181.0	54.20
106.5	7717.92	131.5	51.17	156.5	56.04	181.5	52.72
107.0	46.13	132.0	52.18	157.0	47.48	182.0	55.21
107.5	65.31	132.5	46.61	157.5	51.94	182.5	51.64
108.0	49.26	133.0	48.08	158.0	55.08	183.0	5105.05
108.5	47.75	133.5	57.88	158.5	56.75	183.5	54.64
109.0	55.08	134.0	57.54	159.0	60.53	184.0	50.76
109.5	56.49	134.5	54.45	159.5	54.45	184.5	46.51
110.0	59.09	135.0	53.33	160.0	50.58	185.0	48.98
110.5	51.52	135.5	50.35	160.5	8137.67	185.5	55.59
111.0	58.34	136.0	61.87	161.0	6870.68	186.0	50.47
111.5	54.33	136.5	43.05	161.5	52.06	186.5	61.66
112.0	50.87	137.0	52.30	162.0	52.06	187.0	46.51
112.5	51.17	137.5	51.64	162.5	47.64	187.5	58.01
113.0	58.61	138.0	52.91	163.0	54.45	188.0	50.58
113.5	51.64	138.5	50.58	163.5	49.15	188.5	46.03
114.0	60.53	139.0	17139.57	164.0	82.04	189.0	45.39
114.5	54.01	139.5	48.75	164.5	52.72	189.5	55.08
115.0	54.89	140.0	56.04	165.0	48.19	190.0	49.66

FINE TUNE Pulses; Fundamental Frequency = 310MHz

mSec	Level uV/m	mSec	Level uV/m	mSec	Level uV/m	mSec	Level uV/m
65.5	51.05	90.5	60.74	115.5	60.74	140.5	59.36
66	51.82	91	10023.05	116	55.27	141	52.97
66.5	51.58	91.5	58.08	116.5	59.22	141.5	62.73
67	53.27	92	55.40	117	53.39	142	51.58
67.5	56.23	92.5	57.61	117.5	50.82	142.5	51.46
68	5915.62	93	54.58	118	57.61	143	53.70
68.5	5997.91	93.5	52.84	118.5	52.12	143.5	62.37
69	52.97	94	53.95	119	59.77	144	55.40
69.5	56.89	94.5	66.83	119.5	60.88	144.5	58.08
70	57.35	95	57.35	120	49.89	145	65.09
70.5	56.56	95.5	55.14	120.5	57.15	145.5	56.43
71	68.87	96	56.43	121	62.52	146	53.27
71.5	55.53	96.5	56.10	121.5	59.02	146.5	52.12
72	52.24	97	54.26	122	53.83	147	62.02
72.5	52.97	97.5	54.14	122.5	55.98	147.5	8147.04
73	60.74	98	50.52	123	54.26	148	56.23
73.5	60.74	98.5	54.83	123.5	53.52	148.5	51.82
74	59.77	99	56.69	124	49.89	149	55.85
74.5	61.73	99.5	49.49	124.5	55.27	149.5	54.39
75	57.02	100	62.23	125	13212.96	150	61.87
75.5	51.58	100.5	52.84	125.5	58.28	150.5	49.60
76	54.58	101	52.66	126	70.96	151	53.70
76.5	54.83	101.5	66.83	126.5	57.48	151.5	57.48
77	57.35	102	13046.68	127	51.46	152	52.42
77.5	52.12	102.5	13152.25	127.5	55.27	152.5	55.98
78	53.70	103	54.39	128	51.82	153	53.83
78.5	56.56	103.5	53.27	128.5	60.26	153.5	62.73
79	55.53	104	57.81	129	57.15	154	57.15
79.5	7612.02	104.5	67.38	129.5	60.05	154.5	55.02
80	7568.33	105	55.53	130	49.32	155	51.35
80.5	69.66	105.5	59.50	130.5	49.72	155.5	58.28
81	56.56	106	59.22	131	56.10	156	76.03
81.5	53.83	106.5	56.89	131.5	57.61	156.5	57.81
82	57.15	107	53.52	132	50.41	157	52.54
82.5	58.75	107.5	64.42	132.5	50.12	157.5	55.02
83	62.73	108	54.58	133	52.24	158	51.46
83.5	63.39	108.5	59.02	133.5	53.52	158.5	6637.43
84	52.54	109	59.91	134	52.12	159	6180.16
84.5	54.70	109.5	54.58	134.5	53.83	159.5	51.05
85	53.95	110	55.98	135	57.15	160	53.09
85.5	50.00	110.5	54.26	135.5	56.69	160.5	61.73
86	66.15	111	62.23	136	10080.92	161	52.12
86.5	50.12	111.5	65.09	136.5	8719.67	161.5	65.24
87	55.27	112	57.81	137	55.53	162	53.95
87.5	63.39	112.5	60.39	137.5	70.47	162.5	53.09
88	59.36	113	58.55	138	54.14	163	50.52
88.5	53.70	113.5	15434.76	138.5	59.91	163.5	50.82
89	59.91	114	60.05	139	58.41	164	50.82
89.5	55.85	114.5	57.48	139.5	54.70	164.5	66.83
90	61.73	115	58.88	140	52.84	165	55.14

FINE TUNE Pulses; Fundamental Frequency = 418MHz

mSec	Level uV/m	mSec	Level uV/m	mSec	Level uV/m	mSec	Level uV/m
95.625	86.40	126.875	88.10	158.125	89.54	189.375	72.44
96.25	86.40	127.5	87.80	158.75	76.65	190	77.45
96.875	88.31	128.125	82.04	159.375	75.60	190.625	79.89
97.5	86.70	128.75	91.20	160	78.07	191.25	108.89
98.125	87.80	129.375	84.33	160.625	81.19	191.875	81.56
98.75	89.02	130	79.71	161.25	84.63	192.5	16730.16
99.375	20488.02	130.625	82.89	161.875	85.70	193.125	75.86
100	98.40	131.25	101.62	162.5	82.51	193.75	73.20
100.625	76.82	131.875	89.54	163.125	77.45	194.375	80.54
101.25	75.42	132.5	83.56	163.75	89.23	195	71.70
101.875	79.43	133.125	82.04	164.375	76.65		
102.5	77.45	133.75	84.63	165	89.23		
103.125	98.97	134.375	84.33	165.625	18988.91		
103.75	87.40	135	104.59	166.25	78.07		
104.375	82.70	135.625	77.71	166.875	74.05		
105	89.74	136.25	82.51	167.5	74.05		
105.625	79.07	136.875	78.61	168.125	86.70		
106.25	77.45	137.5	96.72	168.75	78.80		
106.875	76.03	138.125	81.56	169.375	75.25		
107.5	85.31	138.75	90.47	170	85.51		
108.125	78.61	139.375	21134.89	170.625	82.70		
108.75	84.33	140	77.27	171.25	87.40		
109.375	84.33	140.625	76.03	171.875	84.82		
110	94.41	141.25	83.37	172.5	83.18		
110.625	81.38	141.875	76.03	173.125	83.37		
111.25	91.94	142.5	78.43	173.75	75.25		
111.875	85.70	143.125	76.82	174.375	77.45		
112.5	21305.91	143.75	80.35	175	89.54		
113.125	85.70	144.375	95.94	175.625	78.80		
113.75	73.62	145	75.42	176.25	71.70		
114.375	83.85	145.625	77.89	176.875	89.54		
115	85.31	146.25	76.65	177.5	82.22		
115.625	88.10	146.875	72.44	178.125	79.43		
116.25	84.33	147.5	103.28	178.75	17823.79		
116.875	85.31	148.125	82.51	179.375	18238.96		
117.5	86.90	148.75	89.74	180	77.89		
118.125	89.54	149.375	89.74	180.625	76.21		
118.75	86.40	150	77.09	181.25	83.56		
119.375	76.65	150.625	87.40	181.875	73.79		
120	86.70	151.25	81.56	182.5	87.40		
120.625	84.63	151.875	84.82	183.125	83.37		
121.25	77.89	152.5	20114.07	183.75	80.72		
121.875	84.63	153.125	85.02	184.375	73.62		
122.5	93.11	153.75	79.71	185	82.04		
123.125	89.74	154.375	72.44	185.625	79.89		
123.75	90.68	155	81.56	186.25	78.61		
124.375	83.18	155.625	78.61	186.875	77.27		
125	76.47	156.25	100.81	187.5	79.89		
125.625	21577.44	156.875	83.85	188.125	74.39		
126.25	21527.82	157.5	72.86	188.75	81.38		