APPENDIX A: VALIDATION TEST PRINTOUT

Daisy #2 (Lab #2)

Reference math : OFF Title: 05-29-02

Pt#	Frequency (GHz)	Data real	Data imag
1	0.000300000	1722.30	277.14
2	0.015298500	69.30	207.80
3	0.030297000	53.53	107.84
4	0.045295500	51.10	72.79
5	0.060294000	50.21	55.67
6	0.075292500	49.63	44.97
7	0.090291000	48.76	38.29
8	0.105289500	48.60	33.15
9	0.120288000	48.37	29.50
10	0.135286500	48.22	26.58
11	0.150285000	48.02	24.50
12	0.165283500	47.71	22.64
13	0.180282000	47.55	21.07
14	0.195280500	47.46	19.87
15	0.210279000	47.39	18.73
16	0.225277500	47.27	17.83
17	0.240276000	47.07	17.07
18	0.255274500	46.98	16.41
19	0.270273000	46.88	15.81
20	0.285271500	46.84	15.29
21	0.300270000	46.81	14.79
22	0.315268500	46.70	14.42
23	0.330267000	46.53	14.01
24	0.345265500	46.46	13.73
25	0.360264000	46.44	13.45
26	0.375262500	46.38	13.18
27	0.390261000	46.24	12.92
28	0.405259500	46.17	12.73
29	0.420258000	46.10	12.52
30	0.435256500	46.06	12.41
31	0.450255000	45.95	12.24
32	0.465253500	45.95	12.12
33	0.480252000	45.82	11.98
34	0.495250500	45.76	11.87
35	0.510249000	45.71	11.76
36	0.525247500	45.62	11.70
37	0.540246000	45.61	11.60
38	0.555244500	45.53	11.56
39	0.570243000	45.41	11.51
40	0.585241500	45.37	11.45
41	0.600240000	45.29	11.44
42	0.615238500	45.27	11.41
43	0.630237000	45.20	11.36
44	0.645235500	45.11	11.32
45	0.660234000	45.05	11.30
46	0.675232500	44.97	11.30
47	0.690231000	44.91	11.25
48	0.705229500	44.87	11.27
49	0.720228000	44.81	11.25
50	0.735226500	44.69	11.26
51	0.750225000	44.65	11.27
52	0.765223500	44.61	11.26
53	0.780222000	44.55	11.29
54	0.795220500	44.48	11.31
55	0.810219000	44.41	11.30
56	0.825217500	44.37	11.30
57	0.840216000	44.30	11.34
58	0.855214500	44.24	11.33
59	0.870213000	44.16	11.40
60	0.885211500	44.08	11.40
61	0.900210000	44.03	11.42
62	0.915208500	43.97	11.45
63	0.930207000	43.91	11.46
64	0.945205500	43.83	11.50
65	0.960204000	43.74	11.53
66	0.975202500	43.68	11.54
67	0.990201000	43.64	11.57
68	1.005199500	43.57	11.62
69	1.020198000	43.50	11.66
70	1.035196500	43.43	11.68

71	1.050195000	43.34	11.69
72	1.065193500	43.28	11.76
73	1.080192000	43.23	11.76
74	1.095190500	43.18	11.79
75	1.110189000	43.11	11.83
76	1.125187500	43.07	11.85
77	1.140186000	43.01	11.91
78	1.155184500	42.94	11.94
79	1.170183000	42.88	11.99
80	1.185181500	42.82	12.04
81	1.200180000	42.73	12.08
82	1.215178500	42.67	12.12
83	1.230177000	42.60	12.17
84	1.245175500	42.53	12.17
85	1.260174000	42.48	12.22
86	1.275172500	42.41	12.26
87	1.290171000	42.35	12.30
88	1.305169500	42.28	12.34
89	1.320168000	42.19	12.38
90	1.335166500	42.15	12.40
91	1.350165000	42.08	12.43
92	1.365163500	42.03	12.47
93	1.380162000	41.97	12.53
94	1.395160500	41.92	12.59
95	1.410159000	41.87	12.62
96	1.425157500	41.81	12.71
97	1.440156000	41.71	12.74
98	1.455154500	41.65	12.76
99	1.470153000	41.55	12.81
100	1.485151500	41.49	12.85
101	1.500150000	41.45	12.87
102	1.515148500	41.38	12.92
103	1.530147000	41.32	12.96
104	1.545145500	41.27	13.01
105	1.560144000	41.18	13.07
106	1.575142500	41.15	13.10
107	1.590141000	41.06	13.16
108	1.605139500	40.97	13.18
109	1.620138000	40.92	13.21
110	1.635136500	40.82	13.26
111	1.650135000	40.78	13.26
112	1.665133500	40.72	13.31
113	1.680132000	40.67	13.35
114	1.695130500	40.60	13.40
115	1.710129000	40.54	13.45
116	1.725127500	40.47	13.47
117	1.740126000	40.42	13.55
118	1.755124500	40.34	13.56
119	1.770123000	40.26	13.58
120	1.785121500	40.18	13.65
121	1.800120000	40.12	13.67
122	1.815118500	40.07	13.69
123	1.830117000	40.00	13.73
124	1.845115500	39.96	13.74
125	1.860114000	39.91	13.78
126	1.875112500	39.80	13.84
127	1.890111000	39.78	13.88
128	1.905109500	39.71	13.92
129	1.920108000	39.66	13.94
130	1.935106500	39.60	13.99
131	1.950105000	39.53	14.04
132	1.965103500	39.45	14.06
133	1.980102000	39.41	14.11
134	1.995100500	39.34	14.15
135	2.010099000	39.27	14.17
136	2.025097500	39.19	14.21
137	2.040096000	39.13	14.22
138	2.055094500	39.08	14.28
139	2.070093000	39.02	14.30
140	2.085091500	38.97	14.33
141	2.100090000	38.88	14.38
142	2.115088500	38.83	14.41
143	2.130087000	38.78	14.44
144	2.145085500	38.71	14.50

145	2.160084000	38.64	14.51
146	2.175082500	38.58	14.54
147	2.190081000	38.50	14.57
148	2.205079500	38.46	14.62
149	2.220078000	38.42	14.64
150	2.235076500	38.36	14.67
151	2.250075000	38.30	14.70
152	2.265073500	38.24	14.74
153	2.280072000	38.16	14.77
154	2.295070500	38.12	14.81
155	2.310069000	38.06	14.84
156	2.325067500	38.00	14.86
157	2.340066000	37.93	14.91
158	2.355064500	37.87	14.91
159	2.370063000	37.83	14.95
160	2.385061500	37.77	15.00
161	2.400060000	37.72	15.02
162	2.415058500	37.66	15.04
163	2.430057000	37.60	15.10
164	2.445055500	37.53	15.13
165	2.460054000	37.49	15.20
166	2.475052500	37.45	15.19
167	2.490051000	37.38	15.22
168	2.505049500	37.29	15.27
169	2.520048000	37.24	15.31
170	2.535046500	37.19	15.36
171	2.550045000	37.12	15.41
172	2.565043500	37.07	15.40
173	2.580042000	37.01	15.43
174	2.595040500	36.93	15.47
175	2.610039000	36.89	15.50
176	2.625037500	36.83	15.54
177	2.640036000	36.77	15.57
178	2.655034500	36.72	15.59
179	2.670033000	36.65	15.63
180	2.685031500	36.60	15.65
181	2.700030000	36.55	15.73
182	2.715028500	36.49	15.73
183	2.730027000	36.44	15.75
184	2.745025500	36.36	15.83
185	2.760024000	36.31	15.84
186	2.775022500	36.27	15.88
187	2.790021000	36.19	15.91
188	2.805019500	36.15	15.95
189	2.820018000	36.06	15.98
190	2.835016500	35.99	16.01
191	2.850015000	35.95	16.06
192	2.865013500	35.88	16.11
193	2.880012000	35.84	16.11
194	2.895010500	35.76	16.14
195	2.910009000	35.66	16.17
196	2.925007500	35.62	16.22
197	2.940006000	35.56	16.25
198	2.955004500	35.52	16.25
199	2.970003000	35.43	16.29
200	2.985001500	35.35	16.31
201	3.000000000	35.28	16.32

Dasy #2 (4602)

Reference math : OFF Title: 05-30-02

Pt#	Frequency (GHz)	Data real	Data imag
1	0.000300000	1587.93	277.69
2	0.015298500	86.89	243.09
3	0.030297000	68.81	129.53
4	0.045295500	63.28	88.87
5	0.060294000	61.73	68.64
6	0.075292500	60.34	57.06
7	0.090291000	58.62	49.82
8	0.105289500	57.78	44.11
9	0.120288000	56.83	40.37
10	0.135286500	56.08	37.03
11	0.150285000	55.35	34.60
12	0.165283500	54.78	32.68
13	0.180282000	54.12	30.94
14	0.195280500	53.55	29.67
15	0.210279000	53.05	28.56
16	0.225277500	52.60	27.40
17	0.240276000	52.07	26.61
18	0.255274500	51.63	25.99
19	0.270273000	51.21	25.29
20	0.285271500	50.86	24.77
21	0.300270000	50.43	24.23
22	0.315268500	50.07	23.77
23	0.330267000	49.63	23.33
24	0.345265500	49.31	23.03
25	0.360264000	49.04	22.70
26	0.375262500	48.64	22.37
27	0.390261000	48.35	22.07
28	0.405259500	47.99	21.88
29	0.420258000	47.70	21.62
30	0.435256500	47.41	21.43
31	0.450255000	47.07	21.24
32	0.465253500	46.88	21.12
33	0.480252000	46.57	20.88
34	0.495250500	46.26	20.78
35	0.510249000	46.06	20.67
36	0.525247500	45.77	20.54
37	0.540246000	45.54	20.38
38	0.555244500	45.28	20.27
39	0.570243000	45.03	20.19
40	0.585241500	44.79	20.07
41	0.600240000	44.54	20.04
42	0.615238500	44.32	19.93
43	0.630237000	44.10	19.83
44	0.645235500	43.88	19.79
45	0.660234000	43.64	19.71
46	0.675232500	43.44	19.66
47	0.690231000	43.23	19.56
48	0.705229500	43.05	19.52
49	0.720228000	42.82	19.47
50	0.735226500	42.60	19.39
51	0.750225000	42.39	19.40
52	0.765223500	42.18	19.34
53	0.780222000	42.02	19.27
54	0.795220500	41.81	19.24
55	0.810219000	41.62	19.19
56	0.825217500	41.45	19.17
57	0.840216000	41.27	19.15
58	0.855214500	41.08	19.07
59	0.870213000	40.91	19.08
60	0.885211500	40.73	19.01
61	0.900210000	40.56	18.99
62	0.915208500	40.37	18.98
63	0.930207000	40.18	18.92
64	0.945205500	40.02	18.86
65	0.960204000	39.85	18.85
66	0.975202500	39.69	18.82
67	0.990201000	39.54	18.80
68	1.005199500	39.36	18.76
69	1.020198000	39.21	18.73
70	1.035196500	39.06	18.70

71	1.050195000	38.86	18.64
72	1.065193500	38.73	18.64
73	1.080192000	38.57	18.59
74	1.095190500	38.45	18.51
75	1.110189000	38.37	18.52
76	1.125187500	38.25	18.49
77	1.140186000	38.12	18.49
78	1.155184500	37.98	18.54
79	1.170183000	37.82	18.52
80	1.185181500	37.70	18.54
81	1.200180000	37.52	18.51
82	1.215178500	37.38	18.50
83	1.230177000	37.25	18.51
84	1.245175500	37.09	18.47
85	1.260174000	36.97	18.45
86	1.275172500	36.82	18.45
87	1.290171000	36.67	18.40
88	1.305169500	36.54	18.40
89	1.320168000	36.40	18.38
90	1.335166500	36.29	18.35
91	1.350165000	36.17	18.33
92	1.365163500	36.04	18.31
93	1.380162000	35.90	18.31
94	1.395160500	35.78	18.30
95	1.410159000	35.66	18.26
96	1.425157500	35.55	18.26
97	1.440156000	35.43	18.23
98	1.455154500	35.30	18.18
99	1.470153000	35.16	18.18
100	1.485151500	35.07	18.15
101	1.500150000	34.99	18.12
102	1.515148500	34.89	18.12
103	1.530147000	34.80	18.11
104	1.545145500	34.69	18.12
105	1.560144000	34.57	18.13
106	1.575142500	34.47	18.13
107	1.590141000	34.34	18.13
108	1.605139500	34.21	18.08
109	1.620138000	34.10	18.08
110	1.635136500	33.96	18.07
111	1.650135000	33.86	18.06
112	1.665133500	33.76	18.03
113	1.680132000	33.66	17.98
114	1.695130500	33.55	17.96
115	1.710129000	33.43	17.98
116	1.725127500	33.31	17.91
117	1.740126000	33.24	17.94
118	1.755124500	33.15	17.88
119	1.770123000	33.04	17.85
120	1.785121500	32.95	17.86
121	1.800120000	32.85	17.83
122	1.815118500	32.78	17.80
123	1.830117000	32.67	17.81
124	1.845115500	32.59	17.77
125	1.860114000	32.49	17.75
126	1.875112500	32.38	17.74
127	1.890111000	32.31	17.72
128	1.905109500	32.22	17.70
129	1.920108000	32.13	17.66
130	1.935106500	32.07	17.64
131	1.950105000	31.97	17.64
132	1.965103500	31.89	17.62
133	1.980102000	31.83	17.64
134	1.995100500	31.75	17.61
135	2.010099000	31.68	17.56
136	2.025097500	31.59	17.59
137	2.040096000	31.51	17.57
138	2.055094500	31.45	17.59
139	2.070093000	31.38	17.57
140	2.085091500	31.31	17.56
141	2.100090000	31.21	17.57
142	2.115088500	31.12	17.56
143	2.130087000	31.04	17.58
144	2.145085500	30.95	17.59

145	2.160084000	30.87	17.55
146	2.175082500	30.82	17.52
147	2.190081000	30.66	17.54
148	2.205079500	30.61	17.54
149	2.220078000	30.55	17.51
150	2.235076500	30.47	17.51
151	2.250075000	30.39	17.50
152	2.265073500	30.30	17.48
153	2.280072000	30.19	17.47
154	2.295070500	30.14	17.47
155	2.310069000	30.08	17.46
156	2.325067500	30.01	17.41
157	2.340066000	29.91	17.42
158	2.355064500	29.82	17.41
159	2.370063000	29.77	17.41
160	2.385061500	29.69	17.43
161	2.400060000	29.62	17.38
162	2.415058500	29.57	17.36
163	2.430057000	29.46	17.36
164	2.445055500	29.39	17.35
165	2.460054000	29.32	17.36
166	2.475052500	29.28	17.32
167	2.490051000	29.19	17.30
168	2.505049500	29.11	17.29
169	2.520048000	29.05	17.29
170	2.535046500	28.99	17.28
171	2.550045000	28.91	17.26
172	2.565043500	28.85	17.25
173	2.580042000	28.78	17.23
174	2.595040500	28.68	17.21
175	2.610039000	28.64	17.22
176	2.625037500	28.59	17.21
177	2.640036000	28.52	17.19
178	2.655034500	28.45	17.17
179	2.670033000	28.36	17.17
180	2.685031500	28.31	17.15
181	2.700030000	28.24	17.17
182	2.715028500	28.19	17.15
183	2.730027000	28.13	17.11
184	2.745025500	28.04	17.14
185	2.760024000	27.99	17.09
186	2.775022500	27.94	17.12
187	2.790021000	27.87	17.10
188	2.805019500	27.83	17.06
189	2.820018000	27.73	17.07
190	2.835016500	27.66	17.04
191	2.850015000	27.63	17.05
192	2.865013500	27.57	17.05
193	2.880012000	27.52	17.01
194	2.895010500	27.46	17.01
195	2.910009000	27.36	17.00
196	2.925007500	27.32	17.01
197	2.940006000	27.28	17.02
198	2.955004500	27.22	16.98
199	2.970003000	27.17	16.98
200	2.985001500	27.06	16.95
201	3.000000000	27.00	16.93

Dasy #2 (Lab #2)

Reference math : OFF Title: 05-31-02

Pt#	Frequency (GHz)	Data real	Data imag
1	0.000300000	1663.00	705.14
2	0.015298500	94.81	244.48
3	0.030297000	69.51	126.52
4	0.045295500	64.33	87.42
5	0.060294000	62.21	67.87
6	0.075292500	60.47	56.56
7	0.090291000	58.68	49.31
8	0.105289500	58.02	43.81
9	0.120288000	56.79	39.80
10	0.135286500	56.10	36.52
11	0.150285000	55.46	34.36
12	0.165283500	54.57	32.37
13	0.180282000	53.91	30.72
14	0.195280500	53.40	29.50
15	0.210279000	52.99	28.25
16	0.225277500	52.50	27.24
17	0.240276000	52.03	26.52
18	0.255274500	51.47	25.83
19	0.270273000	51.09	25.07
20	0.285271500	50.75	24.59
21	0.300270000	50.33	24.01
22	0.315268500	49.97	23.58
23	0.330267000	49.54	23.15
24	0.345265500	49.20	22.87
25	0.360264000	48.86	22.54
26	0.375262500	48.53	22.21
27	0.390261000	48.21	21.97
28	0.405259500	47.88	21.73
29	0.420258000	47.58	21.47
30	0.435256500	47.27	21.29
31	0.450255000	46.96	21.09
32	0.465253500	46.77	20.98
33	0.480252000	46.43	20.77
34	0.495250500	46.13	20.65
35	0.510249000	45.93	20.52
36	0.525247500	45.65	20.38
37	0.540246000	45.41	20.21
38	0.555244500	45.14	20.17
39	0.570243000	44.90	20.03
40	0.585241500	44.64	19.93
41	0.600240000	44.39	19.88
42	0.615238500	44.21	19.77
43	0.630237000	44.00	19.63
44	0.645235500	43.74	19.62
45	0.660234000	43.54	19.55
46	0.675232500	43.33	19.52
47	0.690231000	43.11	19.40
48	0.705229500	42.94	19.35
49	0.720228000	42.72	19.31
50	0.735226500	42.49	19.24
51	0.750225000	42.29	19.23
52	0.765223500	42.12	19.16
53	0.780222000	41.94	19.11
54	0.795220500	41.74	19.06
55	0.810219000	41.52	19.01
56	0.825217500	41.37	18.96
57	0.840216000	41.16	18.96
58	0.855214500	41.00	18.89
59	0.870213000	40.84	18.89
60	0.885211500	40.65	18.83
61	0.900210000	40.47	18.79
62	0.915208500	40.30	18.77
63	0.930207000	40.14	18.71
64	0.945205500	39.97	18.67
65	0.960204000	39.79	18.67
66	0.975202500	39.62	18.65
67	0.990201000	39.46	18.63
68	1.005199500	39.28	18.57
69	1.020198000	39.16	18.55
70	1.035196500	39.01	18.51

71	1.050195000	38.82	18.45
72	1.065193500	38.67	18.47
73	1.080192000	38.56	18.39
74	1.095190500	38.48	18.34
75	1.110189000	38.37	18.37
76	1.125187500	38.23	18.37
77	1.140186000	38.09	18.36
78	1.155184500	37.93	18.39
79	1.170183000	37.78	18.36
80	1.185181500	37.65	18.37
81	1.200180000	37.49	18.32
82	1.215178500	37.35	18.32
83	1.230177000	37.21	18.28
84	1.245175500	37.07	18.27
85	1.260174000	36.95	18.24
86	1.275172500	36.82	18.24
87	1.290171000	36.66	18.19
88	1.305169500	36.54	18.18
89	1.320168000	36.42	18.18
90	1.335166500	36.32	18.17
91	1.350165000	36.22	18.13
92	1.365163500	36.07	18.12
93	1.380162000	35.94	18.12
94	1.395160500	35.84	18.12
95	1.410159000	35.71	18.09
96	1.425157500	35.60	18.11
97	1.440156000	35.47	18.07
98	1.455154500	35.35	18.03
99	1.470153000	35.19	18.06
100	1.485151500	35.10	18.03
101	1.500150000	35.00	17.99
102	1.515148500	34.88	17.98
103	1.530147000	34.78	17.95
104	1.545145500	34.68	17.95
105	1.560144000	34.54	17.94
106	1.575142500	34.48	17.93
107	1.590141000	34.37	17.92
108	1.605139500	34.25	17.88
109	1.620138000	34.14	17.87
110	1.635136500	34.01	17.87
111	1.650135000	33.92	17.84
112	1.665133500	33.81	17.83
113	1.680132000	33.72	17.79
114	1.695130500	33.62	17.76
115	1.710129000	33.52	17.77
116	1.725127500	33.41	17.72
117	1.740126000	33.35	17.75
118	1.755124500	33.25	17.71
119	1.770123000	33.14	17.68
120	1.785121500	33.04	17.68
121	1.800120000	32.96	17.67
122	1.815118500	32.88	17.65
123	1.830117000	32.79	17.65
124	1.845115500	32.71	17.60
125	1.860114000	32.62	17.57
126	1.875112500	32.49	17.59
127	1.890111000	32.44	17.56
128	1.905109500	32.35	17.56
129	1.920108000	32.29	17.50
130	1.935106500	32.21	17.50
131	1.950105000	32.13	17.50
132	1.965103500	32.05	17.48
133	1.980102000	32.00	17.50
134	1.995100500	31.91	17.49
135	2.010099000	31.84	17.47
136	2.025097500	31.76	17.49
137	2.040096000	31.67	17.48
138	2.055094500	31.61	17.51
139	2.070093000	31.52	17.50
140	2.085091500	31.44	17.48
141	2.100090000	31.33	17.49
142	2.115088500	31.24	17.50
143	2.130087000	31.18	17.50
144	2.145085500	31.08	17.52

145	2.160084000	30.99	17.47
146	2.175082500	30.92	17.46
147	2.190081000	30.77	17.46
148	2.205079500	30.72	17.46
149	2.220078000	30.67	17.47
150	2.235076500	30.59	17.44
151	2.250075000	30.51	17.43
152	2.265073500	30.42	17.40
153	2.280072000	30.31	17.39
154	2.295070500	30.25	17.40
155	2.310069000	30.18	17.37
156	2.325067500	30.11	17.34
157	2.340066000	30.01	17.35
158	2.355064500	29.93	17.33
159	2.370063000	29.89	17.30
160	2.385061500	29.80	17.30
161	2.400060000	29.74	17.27
162	2.415058500	29.66	17.25
163	2.430057000	29.57	17.23
164	2.445055500	29.51	17.23
165	2.460054000	29.45	17.25
166	2.475052500	29.40	17.20
167	2.490051000	29.34	17.19
168	2.505049500	29.25	17.18
169	2.520048000	29.19	17.19
170	2.535046500	29.16	17.18
171	2.550045000	29.08	17.20
172	2.565043500	29.01	17.16
173	2.580042000	28.96	17.14
174	2.595040500	28.87	17.12
175	2.610039000	28.82	17.13
176	2.625037500	28.78	17.13
177	2.640036000	28.72	17.12
178	2.655034500	28.67	17.11
179	2.670033000	28.58	17.11
180	2.685031500	28.52	17.09
181	2.700030000	28.46	17.12
182	2.715028500	28.41	17.10
183	2.730027000	28.34	17.06
184	2.745025500	28.26	17.09
185	2.760024000	28.21	17.07
186	2.775022500	28.15	17.09
187	2.790021000	28.08	17.07
188	2.805019500	28.04	17.07
189	2.820018000	27.95	17.07
190	2.835016500	27.87	17.06
191	2.850015000	27.84	17.07
192	2.865013500	27.77	17.08
193	2.880012000	27.72	17.04
194	2.895010500	27.63	17.04
195	2.910009000	27.52	17.02
196	2.925007500	27.49	17.03
197	2.940006000	27.45	17.04
198	2.955004500	27.40	17.01
199	2.970003000	27.33	17.00
200	2.985001500	27.24	16.99
201	3.000000000	27.18	16.98

Dasy #2 (Lab #2)

Reference math : OFF Title: 06-03-02

Pt#	Frequency (GHz)	Data real	Data imag
1	0.000300000	2298.28	604.19
2	0.015298500	91.83	243.53
3	0.030297000	69.19	129.65
4	0.045295500	63.55	89.70
5	0.060294000	61.75	69.14
6	0.075292500	59.94	57.18
7	0.090291000	58.45	49.83
8	0.105289500	57.36	44.31
9	0.120288000	56.39	40.58
10	0.135286500	55.63	37.18
11	0.150285000	55.28	34.68
12	0.165283500	54.47	32.84
13	0.180282000	53.92	31.13
14	0.195280500	53.19	29.88
15	0.210279000	52.73	28.59
16	0.225277500	52.33	27.44
17	0.240276000	51.87	26.79
18	0.255274500	51.36	26.02
19	0.270273000	51.01	25.40
20	0.285271500	50.57	24.82
21	0.300270000	50.10	24.20
22	0.315268500	49.76	23.76
23	0.330267000	49.40	23.34
24	0.345265500	49.05	23.09
25	0.360264000	48.74	22.80
26	0.375262500	48.35	22.41
27	0.390261000	48.10	22.02
28	0.405259500	47.79	21.87
29	0.420258000	47.45	21.62
30	0.435256500	47.13	21.50
31	0.450255000	46.84	21.27
32	0.465253500	46.65	21.10
33	0.480252000	46.34	20.90
34	0.495250500	46.04	20.78
35	0.510249000	45.80	20.64
36	0.525247500	45.53	20.51
37	0.540246000	45.30	20.34
38	0.555244500	45.09	20.28
39	0.570243000	44.81	20.19
40	0.585241500	44.56	20.10
41	0.600240000	44.29	20.03
42	0.615238500	44.11	19.90
43	0.630237000	43.93	19.80
44	0.645235500	43.68	19.78
45	0.660234000	43.44	19.72
46	0.675232500	43.22	19.64
47	0.690231000	43.04	19.54
48	0.705229500	42.86	19.50
49	0.720228000	42.63	19.47
50	0.735226500	42.41	19.41
51	0.750225000	42.17	19.42
52	0.765223500	42.03	19.30
53	0.780222000	41.85	19.22
54	0.795220500	41.65	19.18
55	0.810219000	41.45	19.18
56	0.825217500	41.29	19.15
57	0.840216000	41.09	19.15
58	0.855214500	40.93	19.06
59	0.870213000	40.77	19.04
60	0.885211500	40.58	18.99
61	0.900210000	40.39	18.97
62	0.915208500	40.22	18.96
63	0.930207000	40.05	18.90
64	0.945205500	39.89	18.87
65	0.960204000	39.71	18.88
66	0.975202500	39.54	18.83
67	0.990201000	39.40	18.78
68	1.005199500	39.22	18.73
69	1.020198000	39.13	18.72
70	1.035196500	38.99	18.73

71	1.050195000	38.80	18.73
72	1.065193500	38.62	18.75
73	1.080192000	38.48	18.71
74	1.095190500	38.38	18.63
75	1.110189000	38.22	18.66
76	1.125187500	38.03	18.66
77	1.140186000	37.85	18.65
78	1.155184500	37.69	18.62
79	1.170183000	37.60	18.57
80	1.185181500	37.49	18.55
81	1.200180000	37.31	18.50
82	1.215178500	37.15	18.47
83	1.230177000	37.05	18.44
84	1.245175500	36.95	18.45
85	1.260174000	36.85	18.45
86	1.275172500	36.69	18.46
87	1.290171000	36.54	18.39
88	1.305169500	36.42	18.39
89	1.320168000	36.28	18.38
90	1.335166500	36.20	18.38
91	1.350165000	36.10	18.38
92	1.365163500	35.95	18.36
93	1.380162000	35.83	18.37
94	1.395160500	35.72	18.36
95	1.410159000	35.60	18.34
96	1.425157500	35.46	18.36
97	1.440156000	35.30	18.33
98	1.455154500	35.20	18.29
99	1.470153000	35.05	18.33
100	1.485151500	34.96	18.30
101	1.500150000	34.86	18.26
102	1.515148500	34.71	18.25
103	1.530147000	34.60	18.22
104	1.545145500	34.50	18.23
105	1.560144000	34.39	18.23
106	1.575142500	34.32	18.20
107	1.590141000	34.21	18.19
108	1.605139500	34.09	18.15
109	1.620138000	33.97	18.14
110	1.635136500	33.85	18.15
111	1.650135000	33.75	18.15
112	1.665133500	33.67	18.15
113	1.680132000	33.56	18.12
114	1.695130500	33.48	18.08
115	1.710129000	33.34	18.09
116	1.725127500	33.24	18.04
117	1.740126000	33.16	18.10
118	1.755124500	33.07	18.08
119	1.770123000	32.96	18.04
120	1.785121500	32.86	18.04
121	1.800120000	32.77	18.03
122	1.815118500	32.67	18.01
123	1.830117000	32.57	18.02
124	1.845115500	32.48	18.00
125	1.860114000	32.38	17.99
126	1.875112500	32.27	18.01
127	1.890111000	32.20	17.98
128	1.905109500	32.10	17.97
129	1.920108000	32.01	17.92
130	1.935106500	31.91	17.93
131	1.950105000	31.79	17.93
132	1.965103500	31.71	17.90
133	1.980102000	31.68	17.93
134	1.995100500	31.57	17.90
135	2.010099000	31.48	17.88
136	2.025097500	31.37	17.89
137	2.040096000	31.26	17.87
138	2.055094500	31.20	17.89
139	2.070093000	31.13	17.86
140	2.085091500	31.08	17.83
141	2.100090000	30.97	17.80
142	2.115088500	30.88	17.80
143	2.130087000	30.79	17.78
144	2.145085500	30.70	17.78

145	2.160084000	30.63	17.76
146	2.175082500	30.59	17.76
147	2.190081000	30.48	17.77
148	2.205079500	30.44	17.76
149	2.220078000	30.37	17.74
150	2.235076500	30.28	17.72
151	2.250075000	30.21	17.72
152	2.265073500	30.14	17.71
153	2.280072000	30.05	17.71
154	2.295070500	30.01	17.74
155	2.310069000	29.94	17.71
156	2.325067500	29.86	17.67
157	2.340066000	29.76	17.72
158	2.355064500	29.67	17.73
159	2.370063000	29.61	17.73
160	2.385061500	29.55	17.76
161	2.400060000	29.49	17.73
162	2.415058500	29.41	17.70
163	2.430057000	29.28	17.70
164	2.445055500	29.20	17.69
165	2.460054000	29.13	17.74
166	2.475052500	29.08	17.70
167	2.490051000	29.01	17.68
168	2.505049500	28.92	17.67
169	2.520048000	28.84	17.66
170	2.535046500	28.77	17.66
171	2.550045000	28.68	17.66
172	2.565043500	28.60	17.65
173	2.580042000	28.54	17.65
174	2.595040500	28.43	17.64
175	2.610039000	28.38	17.63
176	2.625037500	28.33	17.59
177	2.640036000	28.26	17.57
178	2.655034500	28.18	17.60
179	2.670033000	28.08	17.60
180	2.685031500	28.01	17.59
181	2.700030000	27.96	17.61
182	2.715028500	27.90	17.56
183	2.730027000	27.84	17.52
184	2.745025500	27.72	17.56
185	2.760024000	27.65	17.54
186	2.775022500	27.59	17.54
187	2.790021000	27.52	17.54
188	2.805019500	27.48	17.50
189	2.820018000	27.39	17.51
190	2.835016500	27.31	17.49
191	2.850015000	27.25	17.49
192	2.865013500	27.18	17.49
193	2.880012000	27.13	17.46
194	2.895010500	27.06	17.46
195	2.910009000	26.96	17.44
196	2.925007500	26.93	17.44
197	2.940006000	26.88	17.44
198	2.955004500	26.81	17.40
199	2.970003000	26.71	17.40
200	2.985001500	26.61	17.40
201	3.000000000	26.55	17.37

FCC T3

BTF

SAR = 0.464

Reference math : OFF Title: 06-04-02

Pt#	Frequency (GHz)	Data real	Data imag
1	0.003000000	438.73	1068.85
2	0.032985000	52.65	103.90
3	0.062970000	50.05	55.42
4	0.092955000	49.04	38.52
5	0.122940000	48.58	30.13
6	0.152925000	48.31	25.00
7	0.182910000	48.07	21.69
8	0.212895000	47.75	19.30
9	0.242880000	47.54	17.58
10	0.272865000	47.34	16.29
11	0.302850000	47.21	15.32
12	0.332835000	46.98	14.44
13	0.362820000	46.83	13.88
14	0.392805000	46.67	13.36
15	0.422790000	46.52	12.96
16	0.452775000	46.35	12.58
17	0.482760000	46.27	12.34
18	0.512745000	46.12	12.17
19	0.542730000	46.03	11.95
20	0.572715000	45.87	11.87
21	0.602700000	45.75	11.79
22	0.632685000	45.62	11.66
23	0.662670000	45.49	11.65
24	0.692655000	45.33	11.61
25	0.722640000	45.22	11.60
26	0.752625000	45.07	11.65
27	0.782610000	44.98	11.62
28	0.812595000	44.85	11.64
29	0.842580000	44.69	11.67
30	0.872565000	44.60	11.71
31	0.902550000	44.46	11.77
32	0.932535000	44.30	11.81
33	0.962520000	44.16	11.87
34	0.992505000	44.06	11.93
35	1.022490000	43.91	12.01
36	1.052475000	43.78	12.03
37	1.082460000	43.65	12.11
38	1.112445000	43.52	12.20
39	1.142430000	43.38	12.29
40	1.172415000	43.24	12.37
41	1.202400000	43.09	12.43
42	1.232385000	42.97	12.53
43	1.262370000	42.83	12.60
44	1.292355000	42.69	12.65
45	1.322340000	42.53	12.75
46	1.352325000	42.41	12.81
47	1.382310000	42.28	12.91
48	1.412295000	42.15	12.98
49	1.442280000	42.02	13.10
50	1.472265000	41.86	13.17
51	1.502250000	41.73	13.25
52	1.532235000	41.58	13.31
53	1.562220000	41.42	13.38
54	1.592205000	41.32	13.46
55	1.622190000	41.18	13.53
56	1.652175000	41.03	13.60
57	1.682160000	40.91	13.66
58	1.712145000	40.75	13.74
59	1.742130000	40.68	13.79
60	1.772115000	40.58	13.85
61	1.802100000	40.44	13.97
62	1.832085000	40.32	14.04
63	1.862070000	40.18	14.11
64	1.892055000	40.02	14.21
65	1.922040000	39.91	14.24
66	1.952025000	39.77	14.33
67	1.982010000	39.66	14.40
68	2.011995000	39.59	14.45
69	2.041980000	39.44	14.56
70	2.071965000	39.32	14.67

71	2.101950000	39.17	14.75
72	2.131935000	39.05	14.83
73	2.161920000	38.89	14.89
74	2.191905000	38.72	14.97
75	2.221890000	38.64	15.03
76	2.251875000	38.52	15.10
77	2.281860000	38.35	15.19
78	2.311845000	38.24	15.26
79	2.341830000	38.09	15.33
80	2.371815000	37.96	15.39
81	2.401800000	37.83	15.45
82	2.431785000	37.66	15.51
83	2.461770000	37.56	15.58
84	2.491755000	37.44	15.60
85	2.521740000	37.29	15.68
86	2.551725000	37.16	15.74
87	2.581710000	37.04	15.77
88	2.611695000	36.91	15.83
89	2.641680000	36.77	15.86
90	2.671665000	36.64	15.92
91	2.701650000	36.51	16.01
92	2.731635000	36.41	15.99
93	2.761620000	36.28	16.06
94	2.791605000	36.16	16.11
95	2.821590000	36.03	16.16
96	2.851575000	35.92	16.21
97	2.881560000	35.82	16.24
98	2.911545000	35.65	16.29
99	2.941530000	35.55	16.35
100	2.971515000	35.45	16.38
101	3.001500000	35.31	16.41
102	3.031485000	35.21	16.47
103	3.061470000	35.07	16.51
104	3.091455000	34.96	16.55
105	3.121440000	34.87	16.59
106	3.151425000	34.72	16.61
107	3.181410000	34.61	16.68
108	3.211395000	34.53	16.70
109	3.241380000	34.39	16.73
110	3.271365000	34.29	16.79
111	3.301350000	34.14	16.82
112	3.331335000	34.04	16.88
113	3.361320000	33.96	16.88
114	3.391305000	33.81	16.91
115	3.421290000	33.70	16.97
116	3.451275000	33.61	16.98
117	3.481260000	33.48	17.02
118	3.511245000	33.38	17.05
119	3.541230000	33.25	17.08
120	3.571215000	33.13	17.12
121	3.601200000	33.07	17.14
122	3.631185000	32.91	17.14
123	3.661170000	32.81	17.20
124	3.691155000	32.72	17.21
125	3.721140000	32.58	17.24
126	3.751125000	32.50	17.26
127	3.781110000	32.35	17.27
128	3.811095000	32.27	17.33
129	3.841080000	32.19	17.34
130	3.871065000	32.05	17.34
131	3.901050000	31.95	17.41
132	3.931035000	31.87	17.40
133	3.961020000	31.75	17.43
134	3.991005000	31.67	17.46
135	4.020990000	31.56	17.46
136	4.050975000	31.45	17.50
137	4.080960000	31.38	17.51
138	4.110945000	31.27	17.52
139	4.140930000	31.15	17.57
140	4.170915000	31.09	17.56
141	4.200900000	30.96	17.59
142	4.230885000	30.89	17.64
143	4.260870000	30.79	17.63
144	4.290855000	30.68	17.66

145	4.320840000	30.62	17.69
146	4.350825000	30.50	17.68
147	4.380810000	30.41	17.73
148	4.410795000	30.33	17.74
149	4.440780000	30.23	17.76
150	4.470765000	30.14	17.81
151	4.500750000	30.04	17.79
152	4.530735000	29.93	17.84
153	4.560720000	29.87	17.86
154	4.590705000	29.76	17.87
155	4.620690000	29.67	17.92
156	4.650675000	29.57	17.92
157	4.680660000	29.48	17.94
158	4.710645000	29.39	17.96
159	4.740630000	29.27	17.96
160	4.770615000	29.18	18.02
161	4.800600000	29.10	18.03
162	4.830585000	28.99	18.02
163	4.860570000	28.89	18.05
164	4.890555000	28.80	18.07
165	4.920540000	28.69	18.08
166	4.950525000	28.61	18.10
167	4.980510000	28.49	18.09
168	5.010495000	28.38	18.10
169	5.040480000	28.33	18.11
170	5.070465000	28.19	18.14
171	5.100450000	28.10	18.14
172	5.130435000	28.03	18.14
173	5.160420000	27.92	18.14
174	5.190405000	27.83	18.16
175	5.220390000	27.74	18.14
176	5.250375000	27.63	18.17
177	5.280360000	27.56	18.16
178	5.310345000	27.44	18.15
179	5.340330000	27.33	18.17
180	5.370315000	27.29	18.16
181	5.400300000	27.14	18.16
182	5.430285000	27.07	18.17
183	5.460270000	26.99	18.14
184	5.490255000	26.90	18.16
185	5.520240000	26.82	18.16
186	5.550225000	26.73	18.14
187	5.580210000	26.64	18.15
188	5.610195000	26.54	18.13
189	5.640180000	26.44	18.14
190	5.670165000	26.37	18.14
191	5.700150000	26.29	18.12
192	5.730135000	26.20	18.13
193	5.760120000	26.13	18.10
194	5.790105000	26.02	18.11
195	5.820090000	25.95	18.11
196	5.850075000	25.90	18.08
197	5.880060000	25.78	18.10
198	5.910045000	25.69	18.12
199	5.940030000	25.64	18.07
200	5.970015000	25.52	18.10
201	6.000000000	25.47	18.09

Muscle FM Day #2 (Lab #2)

Reference math : OFF Title: 06-06-02

Pt#	Frequency (GHz)	Data real	Data imag
1	0.000300000	2224.25	482.37
2	0.015298500	112.81	401.84
3	0.030297000	82.05	208.56
4	0.045295500	72.88	141.57
5	0.060294000	70.87	107.46
6	0.075292500	69.05	86.65
7	0.090291000	67.21	73.75
8	0.105289500	66.98	64.40
9	0.120288000	66.00	57.63
10	0.135286500	65.51	51.75
11	0.150285000	65.27	47.33
12	0.165283500	64.79	43.97
13	0.180282000	64.44	40.92
14	0.195280500	64.09	38.75
15	0.210279000	63.79	36.35
16	0.225277500	63.58	34.53
17	0.240276000	63.27	33.08
18	0.255274500	63.04	31.71
19	0.270273000	62.82	30.54
20	0.285271500	62.56	29.59
21	0.300270000	62.30	28.56
22	0.315268500	62.18	27.77
23	0.330267000	61.84	26.95
24	0.345265500	61.66	26.38
25	0.360264000	61.55	25.82
26	0.375262500	61.25	25.20
27	0.390261000	61.08	24.68
28	0.405259500	60.92	24.25
29	0.420258000	60.72	23.87
30	0.435256500	60.56	23.51
31	0.450255000	60.32	23.13
32	0.465253500	60.23	22.85
33	0.480252000	60.06	22.52
34	0.495250500	59.87	22.29
35	0.510249000	59.76	22.08
36	0.525247500	59.55	21.84
37	0.540246000	59.38	21.53
38	0.555244500	59.26	21.39
39	0.570243000	59.09	21.23
40	0.585241500	58.96	21.08
41	0.600240000	58.74	20.95
42	0.615238500	58.62	20.81
43	0.630237000	58.50	20.63
44	0.645235500	58.32	20.53
45	0.660234000	58.20	20.43
46	0.675232500	58.05	20.37
47	0.690231000	57.92	20.23
48	0.705229500	57.77	20.14
49	0.720228000	57.68	20.08
50	0.735226500	57.50	19.98
51	0.750225000	57.35	19.96
52	0.765223500	57.22	19.89
53	0.780222000	57.10	19.81
54	0.795220500	56.94	19.75
55	0.810219000	56.81	19.73
56	0.825217500	56.72	19.65
57	0.840216000	56.55	19.64
58	0.855214500	56.43	19.58
59	0.870213000	56.32	19.58
60	0.885211500	56.16	19.52
61	0.900210000	56.02	19.49
62	0.915208500	55.89	19.49
63	0.930207000	55.77	19.41
64	0.945205500	55.63	19.41
65	0.960204000	55.51	19.40
66	0.975202500	55.39	19.40
67	0.990201000	55.25	19.39
68	1.005199500	55.10	19.36
69	1.020198000	55.02	19.33
70	1.035196500	54.88	19.27

71	1.050195000	54.73	19.26
72	1.065193500	54.62	19.25
73	1.080192000	54.54	19.22
74	1.095190500	54.49	19.17
75	1.110189000	54.44	19.23
76	1.125187500	54.32	19.26
77	1.140186000	54.20	19.28
78	1.155184500	54.05	19.33
79	1.170183000	53.92	19.33
80	1.185181500	53.83	19.33
81	1.200180000	53.68	19.35
82	1.215178500	53.55	19.37
83	1.230177000	53.43	19.36
84	1.245175500	53.32	19.35
85	1.260174000	53.20	19.35
86	1.275172500	53.08	19.39
87	1.290171000	52.95	19.34
88	1.305169500	52.86	19.38
89	1.320168000	52.75	19.37
90	1.335166500	52.69	19.37
91	1.350165000	52.57	19.38
92	1.365163500	52.42	19.40
93	1.380162000	52.32	19.43
94	1.395160500	52.22	19.45
95	1.410159000	52.11	19.43
96	1.425157500	52.03	19.46
97	1.440156000	51.92	19.45
98	1.455154500	51.81	19.44
99	1.470153000	51.68	19.49
100	1.485151500	51.60	19.50
101	1.500150000	51.52	19.52
102	1.515148500	51.39	19.56
103	1.530147000	51.32	19.54
104	1.545145500	51.21	19.58
105	1.560144000	51.07	19.61
106	1.575142500	50.99	19.60
107	1.590141000	50.87	19.62
108	1.605139500	50.75	19.60
109	1.620138000	50.66	19.63
110	1.635136500	50.53	19.63
111	1.650135000	50.47	19.63
112	1.665133500	50.38	19.67
113	1.680132000	50.29	19.67
114	1.695130500	50.19	19.67
115	1.710129000	50.07	19.74
116	1.725127500	49.95	19.71
117	1.740126000	49.88	19.76
118	1.755124500	49.79	19.73
119	1.770123000	49.68	19.72
120	1.785121500	49.57	19.76
121	1.800120000	49.48	19.77
122	1.815118500	49.39	19.77
123	1.830117000	49.31	19.81
124	1.845115500	49.22	19.77
125	1.860114000	49.12	19.77
126	1.875112500	48.98	19.81
127	1.890111000	48.93	19.79
128	1.905109500	48.84	19.80
129	1.920108000	48.77	19.78
130	1.935106500	48.71	19.79
131	1.950105000	48.61	19.82
132	1.965103500	48.54	19.82
133	1.980102000	48.50	19.84
134	1.995100500	48.43	19.85
135	2.010099000	48.35	19.86
136	2.025097500	48.26	19.91
137	2.040096000	48.16	19.93
138	2.055094500	48.13	19.98
139	2.070093000	48.05	20.00
140	2.085091500	47.97	20.01
141	2.100090000	47.86	20.05
142	2.115088500	47.76	20.08
143	2.130087000	47.69	20.11
144	2.145085500	47.61	20.15

145	2.160084000	47.52	20.13
146	2.175082500	47.41	20.14
147	2.190081000	47.30	20.18
148	2.205079500	47.25	20.21
149	2.220078000	47.18	20.22
150	2.235076500	47.11	20.24
151	2.250075000	47.02	20.25
152	2.265073500	46.93	20.28
153	2.280072000	46.81	20.30
154	2.295070500	46.75	20.35
155	2.310069000	46.67	20.33
156	2.325067500	46.59	20.33
157	2.340066000	46.50	20.39
158	2.355064500	46.40	20.40
159	2.370063000	46.33	20.40
160	2.385061500	46.25	20.43
161	2.400060000	46.18	20.43
162	2.415058500	46.09	20.44
163	2.430057000	45.99	20.48
164	2.445055500	45.92	20.48
165	2.460054000	45.84	20.53
166	2.475052500	45.77	20.49
167	2.490051000	45.69	20.49
168	2.505049500	45.58	20.52
169	2.520048000	45.51	20.54
170	2.535046500	45.45	20.56
171	2.550045000	45.36	20.58
172	2.565043500	45.29	20.56
173	2.580042000	45.21	20.57
174	2.595040500	45.10	20.59
175	2.610039000	45.06	20.61
176	2.625037500	45.01	20.61
177	2.640036000	44.92	20.63
178	2.655034500	44.85	20.64
179	2.670033000	44.75	20.65
180	2.685031500	44.66	20.67
181	2.700030000	44.62	20.71
182	2.715028500	44.55	20.69
183	2.730027000	44.48	20.68
184	2.745025500	44.37	20.75
185	2.760024000	44.30	20.74
186	2.775022500	44.25	20.76
187	2.790021000	44.18	20.75
188	2.805019500	44.13	20.77
189	2.820018000	44.04	20.78
190	2.835016500	43.94	20.81
191	2.850015000	43.91	20.83
192	2.865013500	43.83	20.84
193	2.880012000	43.78	20.82
194	2.895010500	43.69	20.86
195	2.910009000	43.58	20.86
196	2.925007500	43.54	20.90
197	2.940006000	43.48	20.91
198	2.955004500	43.42	20.91
199	2.970003000	43.33	20.92
200	2.985001500	43.23	20.94
201	3.000000000	43.16	20.94

Reference math : OFF Title: 06-05-02

FM BRAIN VALIDATION

SAR = 0.0915 mW/g

Pt#	Frequency (GHz)	Data real	Data imag
1	0.003000000	56.70	1276.03
2	0.032985000	63.08	119.30
3	0.062970000	59.98	66.67
4	0.092955000	57.65	48.73
5	0.122940000	56.18	39.78
6	0.152925000	54.90	34.40
7	0.182910000	53.81	30.81
8	0.212895000	52.82	28.43
9	0.242880000	51.81	26.71
10	0.272865000	50.98	25.37
11	0.302850000	50.24	24.23
12	0.332835000	49.46	23.34
13	0.362820000	48.83	22.80
14	0.392805000	48.16	22.18
15	0.422790000	47.55	21.72
16	0.452775000	46.90	21.37
17	0.482760000	46.42	21.01
18	0.512745000	45.89	20.79
19	0.542730000	45.39	20.43
20	0.572715000	44.92	20.31
21	0.602700000	44.34	20.17
22	0.632685000	43.95	19.94
23	0.662670000	43.53	19.83
24	0.692655000	43.06	19.69
25	0.722640000	42.67	19.61
26	0.752625000	42.25	19.53
27	0.782610000	41.88	19.42
28	0.812595000	41.48	19.32
29	0.842580000	41.13	19.30
30	0.872565000	40.76	19.20
31	0.902550000	40.42	19.15
32	0.932535000	40.04	19.07
33	0.962520000	39.70	19.01
34	0.992505000	39.38	18.98
35	1.022490000	39.06	18.94
36	1.052475000	38.73	18.85
37	1.082460000	38.42	18.83
38	1.112445000	38.15	18.81
39	1.142430000	37.84	18.76
40	1.172415000	37.55	18.71
41	1.202400000	37.26	18.68
42	1.232385000	37.00	18.65
43	1.262370000	36.73	18.61
44	1.292355000	36.43	18.55
45	1.322340000	36.15	18.55
46	1.352325000	35.93	18.49
47	1.382310000	35.66	18.44
48	1.412295000	35.44	18.41
49	1.442280000	35.20	18.40
50	1.472265000	34.94	18.39
51	1.502250000	34.74	18.35
52	1.532235000	34.50	18.29
53	1.562220000	34.24	18.28
54	1.592205000	34.06	18.25
55	1.622190000	33.84	18.20
56	1.652175000	33.62	18.15
57	1.682160000	33.44	18.10
58	1.712145000	33.20	18.09
59	1.742130000	33.04	18.07
60	1.772115000	32.87	18.01
61	1.802100000	32.65	18.02
62	1.832085000	32.47	18.00
63	1.862070000	32.26	17.97
64	1.892055000	32.09	17.96
65	1.922040000	31.89	17.90
66	1.952025000	31.71	17.89
67	1.982010000	31.56	17.88
68	2.011995000	31.39	17.83
69	2.041980000	31.20	17.83
70	2.071965000	31.04	17.83

71	2.101950000	30.85	17.81
72	2.131935000	30.68	17.80
73	2.161920000	30.50	17.76
74	2.191905000	30.30	17.71
75	2.221890000	30.19	17.70
76	2.251875000	30.04	17.67
77	2.281860000	29.83	17.64
78	2.311845000	29.70	17.64
79	2.341830000	29.52	17.61
80	2.371815000	29.38	17.58
81	2.401800000	29.24	17.55
82	2.431785000	29.04	17.53
83	2.461770000	28.92	17.52
84	2.491755000	28.80	17.45
85	2.521740000	28.64	17.43
86	2.551725000	28.52	17.42
87	2.581710000	28.37	17.37
88	2.611695000	28.23	17.35
89	2.641680000	28.11	17.31
90	2.671665000	27.95	17.29
91	2.701650000	27.83	17.29
92	2.731635000	27.73	17.22
93	2.761620000	27.58	17.22
94	2.791605000	27.46	17.21
95	2.821590000	27.34	17.18
96	2.851575000	27.23	17.17
97	2.881560000	27.11	17.10
98	2.911545000	26.95	17.08
99	2.941530000	26.86	17.09
100	2.971515000	26.74	17.06
101	3.001500000	26.60	17.01
102	3.031485000	26.51	17.02
103	3.061470000	26.37	16.99
104	3.091455000	26.27	16.99
105	3.121440000	26.17	16.95
106	3.151425000	26.00	16.90
107	3.181410000	25.91	16.92
108	3.211395000	25.82	16.88
109	3.241380000	25.69	16.85
110	3.271365000	25.58	16.85
111	3.301350000	25.45	16.80
112	3.331335000	25.34	16.80
113	3.361320000	25.26	16.75
114	3.391305000	25.13	16.72
115	3.421290000	25.00	16.71
116	3.451275000	24.94	16.65
117	3.481260000	24.80	16.65
118	3.511245000	24.72	16.60
119	3.541230000	24.60	16.56
120	3.571215000	24.49	16.55
121	3.601200000	24.43	16.50
122	3.631185000	24.28	16.46
123	3.661170000	24.21	16.45
124	3.691155000	24.12	16.40
125	3.721140000	24.01	16.37
126	3.751125000	23.94	16.34
127	3.781110000	23.84	16.28
128	3.811095000	23.75	16.30
129	3.841080000	23.71	16.24
130	3.871065000	23.59	16.19
131	3.901050000	23.51	16.21
132	3.931035000	23.46	16.16
133	3.961020000	23.36	16.12
134	3.991005000	23.29	16.11
135	4.020990000	23.20	16.08
136	4.050975000	23.12	16.08
137	4.080960000	23.09	16.05
138	4.110945000	22.97	16.02
139	4.140930000	22.90	16.01
140	4.170915000	22.84	15.99
141	4.200900000	22.74	15.98
142	4.230885000	22.67	15.97
143	4.260870000	22.60	15.94
144	4.290855000	22.50	15.93

145	4.320840000	22.47	15.94
146	4.350825000	22.35	15.88
147	4.380810000	22.27	15.90
148	4.410795000	22.21	15.86
149	4.440780000	22.11	15.85
150	4.470765000	22.04	15.86
151	4.500750000	21.96	15.80
152	4.530735000	21.87	15.80
153	4.560720000	21.81	15.80
154	4.590705000	21.73	15.74
155	4.620690000	21.65	15.77
156	4.650675000	21.58	15.71
157	4.680660000	21.49	15.70
158	4.710645000	21.43	15.68
159	4.740630000	21.34	15.65
160	4.770615000	21.25	15.64
161	4.800600000	21.22	15.62
162	4.830585000	21.11	15.58
163	4.860570000	21.03	15.56
164	4.890555000	20.97	15.53
165	4.920540000	20.87	15.51
166	4.950525000	20.81	15.48
167	4.980510000	20.73	15.46
168	5.010495000	20.66	15.44
169	5.040480000	20.62	15.41
170	5.070465000	20.52	15.37
171	5.100450000	20.45	15.36
172	5.130435000	20.40	15.32
173	5.160420000	20.31	15.30
174	5.190405000	20.27	15.29
175	5.220390000	20.20	15.24
176	5.250375000	20.12	15.23
177	5.280360000	20.06	15.20
178	5.310345000	20.00	15.16
179	5.340330000	19.92	15.15
180	5.370315000	19.88	15.10
181	5.400300000	19.80	15.09
182	5.430285000	19.74	15.08
183	5.460270000	19.69	15.02
184	5.490255000	19.61	15.03
185	5.520240000	19.58	14.99
186	5.550225000	19.50	14.96
187	5.580210000	19.44	14.93
188	5.610195000	19.38	14.92
189	5.640180000	19.31	14.88
190	5.670165000	19.26	14.87
191	5.700150000	19.20	14.83
192	5.730135000	19.14	14.81
193	5.760120000	19.11	14.79
194	5.790105000	19.03	14.76
195	5.820090000	18.97	14.74
196	5.850075000	18.93	14.69
197	5.880060000	18.84	14.68
198	5.910045000	18.79	14.67
199	5.940030000	18.74	14.62
200	5.970015000	18.68	14.62
201	6.000000000	18.64	14.60

Reference math : OFF Title: 06-05-02

PCS MUSCLE 1900 MHZ

Pt#	Frequency (GHz)	Data real	Data imag
1	0.000300000	2017.79	740.20
2	0.015298500	96.33	288.54
3	0.030297000	69.62	146.68
4	0.045295500	64.52	98.72
5	0.060294000	63.29	74.38
6	0.075292500	62.47	60.01
7	0.090291000	61.18	50.55
8	0.105289500	61.17	43.75
9	0.120288000	60.49	38.89
10	0.135286500	60.55	34.60
11	0.150285000	60.48	31.46
12	0.165283500	60.26	29.05
13	0.180282000	60.06	26.77
14	0.195280500	59.80	25.12
15	0.210279000	59.77	23.53
16	0.225277500	59.72	22.10
17	0.240276000	59.59	21.08
18	0.255274500	59.54	20.13
19	0.270273000	59.52	19.24
20	0.285271500	59.46	18.53
21	0.300270000	59.38	17.74
22	0.315268500	59.29	17.15
23	0.330267000	59.17	16.56
24	0.345265500	59.17	16.21
25	0.360264000	59.23	15.79
26	0.375262500	59.15	15.32
27	0.390261000	59.04	14.89
28	0.405259500	59.00	14.57
29	0.420258000	58.92	14.28
30	0.435256500	58.87	14.08
31	0.450255000	58.81	13.77
32	0.465253500	58.85	13.57
33	0.480252000	58.79	13.33
34	0.495250500	58.67	13.13
35	0.510249000	58.69	12.97
36	0.525247500	58.62	12.80
37	0.540246000	58.61	12.63
38	0.555244500	58.58	12.54
39	0.570243000	58.53	12.43
40	0.585241500	58.53	12.31
41	0.600240000	58.41	12.23
42	0.615238500	58.40	12.09
43	0.630237000	58.36	12.03
44	0.645235500	58.35	11.98
45	0.660234000	58.30	11.91
46	0.675232500	58.26	11.83
47	0.690231000	58.23	11.73
48	0.705229500	58.19	11.69
49	0.720228000	58.14	11.67
50	0.735226500	58.09	11.66
51	0.750225000	58.06	11.65
52	0.765223500	58.03	11.58
53	0.780222000	57.99	11.55
54	0.795220500	57.94	11.52
55	0.810219000	57.92	11.49
56	0.825217500	57.87	11.52
57	0.840216000	57.82	11.51
58	0.855214500	57.80	11.47
59	0.870213000	57.79	11.50
60	0.885211500	57.71	11.46
61	0.900210000	57.67	11.46
62	0.915208500	57.63	11.48
63	0.930207000	57.56	11.46
64	0.945205500	57.53	11.48
65	0.960204000	57.48	11.51
66	0.975202500	57.45	11.51
67	0.990201000	57.40	11.51
68	1.005199500	57.33	11.51
69	1.020198000	57.30	11.53
70	1.035196500	57.25	11.55

71	1.050195000	57.19	11.57
72	1.065193500	57.12	11.56
73	1.080192000	57.12	11.51
74	1.095190500	57.13	11.47
75	1.110189000	57.14	11.52
76	1.125187500	57.13	11.57
77	1.140186000	57.10	11.66
78	1.155184500	57.07	11.74
79	1.170183000	57.05	11.76
80	1.185181500	56.99	11.82
81	1.200180000	56.91	11.87
82	1.215178500	56.85	11.90
83	1.230177000	56.80	11.95
84	1.245175500	56.77	11.98
85	1.260174000	56.73	12.03
86	1.275172500	56.66	12.05
87	1.290171000	56.60	12.06
88	1.305169500	56.55	12.09
89	1.320168000	56.50	12.13
90	1.335166500	56.46	12.18
91	1.350165000	56.44	12.22
92	1.365163500	56.37	12.26
93	1.380162000	56.34	12.28
94	1.395160500	56.31	12.32
95	1.410159000	56.27	12.35
96	1.425157500	56.22	12.41
97	1.440156000	56.16	12.46
98	1.455154500	56.13	12.47
99	1.470153000	56.08	12.52
100	1.485151500	56.04	12.57
101	1.500150000	56.01	12.60
102	1.515148500	55.94	12.65
103	1.530147000	55.90	12.70
104	1.545145500	55.86	12.76
105	1.560144000	55.80	12.81
106	1.575142500	55.78	12.84
107	1.590141000	55.70	12.88
108	1.605139500	55.63	12.88
109	1.620138000	55.59	12.93
110	1.635136500	55.50	12.99
111	1.650135000	55.46	13.02
112	1.665133500	55.42	13.06
113	1.680132000	55.40	13.06
114	1.695130500	55.36	13.06
115	1.710129000	55.30	13.10
116	1.725127500	55.24	13.14
117	1.740126000	55.25	13.23
118	1.755124500	55.20	13.23
119	1.770123000	55.18	13.27
120	1.785121500	55.14	13.32
121	1.800120000	55.11	13.35
122	1.815118500	55.08	13.38
123	1.830117000	55.02	13.46
124	1.845115500	54.97	13.53
125	1.860114000	54.94	13.56
126	1.875112500	54.86	13.63
127	1.890111000	54.85	13.65
128	1.905109500	54.79	13.69
129	1.920108000	54.74	13.69
130	1.935106500	54.70	13.74
131	1.950105000	54.64	13.79
132	1.965103500	54.65	13.81
133	1.980102000	54.64	13.85
134	1.995100500	54.60	13.86
135	2.010099000	54.57	13.88
136	2.025097500	54.54	13.94
137	2.040096000	54.52	14.02
138	2.055094500	54.49	14.15
139	2.070093000	54.49	14.21
140	2.085091500	54.50	14.25
141	2.100090000	54.45	14.31
142	2.115088500	54.38	14.41
143	2.130087000	54.33	14.47
144	2.145085500	54.26	14.57

145	2.160084000	54.20	14.63
146	2.175082500	54.16	14.71
147	2.190081000	54.09	14.77
148	2.205079500	54.05	14.82
149	2.220078000	53.99	14.86
150	2.235076500	53.91	14.90
151	2.250075000	53.85	14.95
152	2.265073500	53.80	15.04
153	2.280072000	53.73	15.08
154	2.295070500	53.71	15.15
155	2.310069000	53.63	15.15
156	2.325067500	53.57	15.18
157	2.340066000	53.51	15.27
158	2.355064500	53.45	15.32
159	2.370063000	53.40	15.37
160	2.385061500	53.36	15.44
161	2.400060000	53.32	15.46
162	2.415058500	53.24	15.49
163	2.430057000	53.15	15.54
164	2.445055500	53.09	15.58
165	2.460054000	53.05	15.65
166	2.475052500	53.00	15.69
167	2.490051000	52.96	15.70
168	2.505049500	52.88	15.74
169	2.520048000	52.86	15.77
170	2.535046500	52.79	15.81
171	2.550045000	52.71	15.84
172	2.565043500	52.68	15.86
173	2.580042000	52.64	15.91
174	2.595040500	52.60	15.94
175	2.610039000	52.56	15.95
176	2.625037500	52.55	15.99
177	2.640036000	52.48	16.03
178	2.655034500	52.44	16.09
179	2.670033000	52.37	16.13
180	2.685031500	52.35	16.20
181	2.700030000	52.33	16.24
182	2.715028500	52.28	16.26
183	2.730027000	52.24	16.28
184	2.745025500	52.18	16.36
185	2.760024000	52.12	16.41
186	2.775022500	52.07	16.47
187	2.790021000	52.03	16.53
188	2.805019500	52.01	16.55
189	2.820018000	51.96	16.59
190	2.835016500	51.90	16.65
191	2.850015000	51.87	16.70
192	2.865013500	51.81	16.77
193	2.880012000	51.78	16.80
194	2.895010500	51.72	16.86
195	2.910009000	51.65	16.89
196	2.925007500	51.64	16.96
197	2.940006000	51.58	17.02
198	2.955004500	51.52	17.04
199	2.970003000	51.46	17.10
200	2.985001500	51.39	17.15
201	3.000000000	51.35	17.17

VALIDATION DATA

Dipole 835MHz

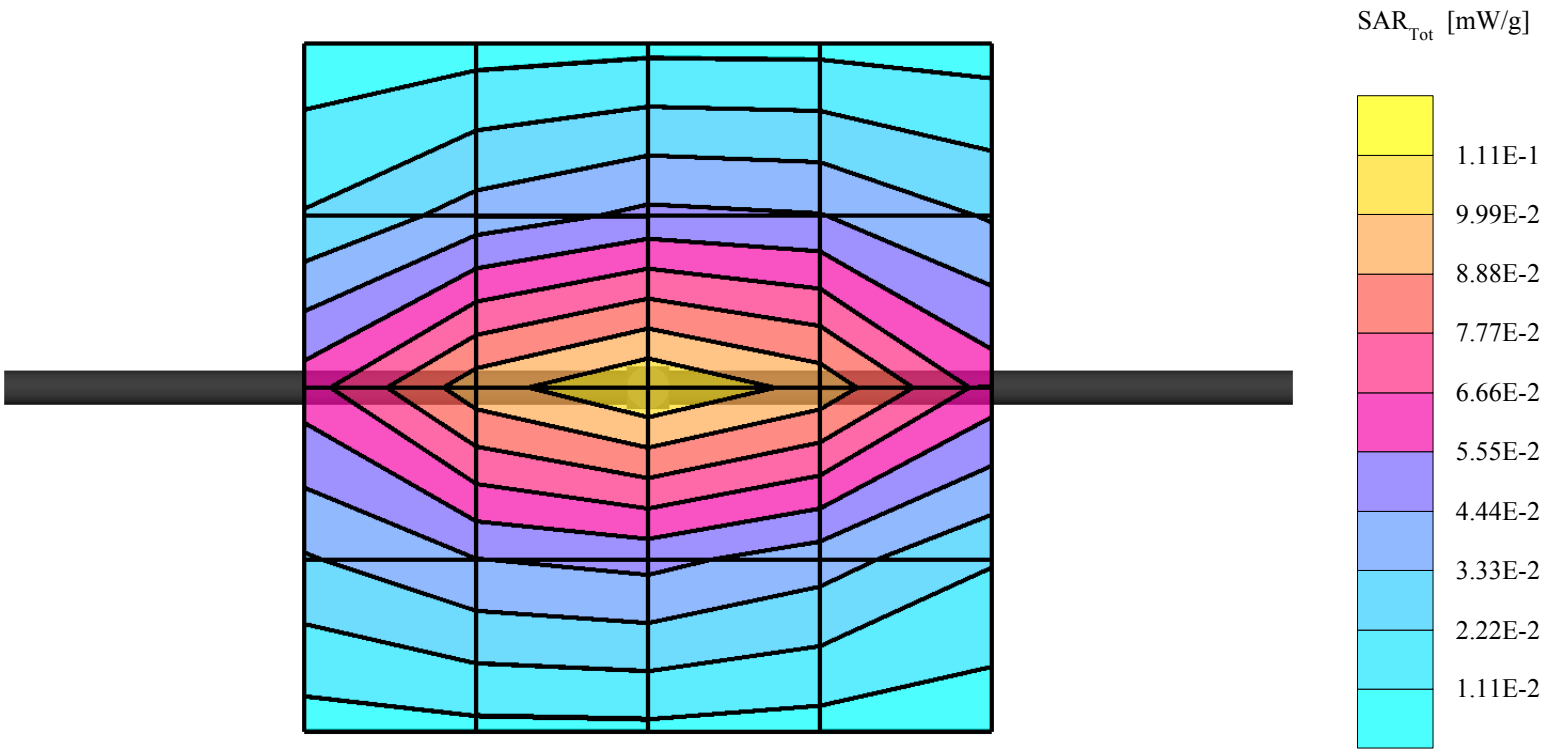
SAM; Flat

Probe: ET3DV6 - SN1618; ConvF(6.80,6.80,6.80); Crest factor: 1.0; Head 835 MHz: σ = 0.89 mho/m ε_r = 41.5 ρ = 1.00 g/cm^3

Cubes (2): Peak: 0.161 mW/g ± 0.03 dB, SAR (1g): 0.101 mW/g ± 0.03 dB, SAR (10g): 0.0648 mW/g ± 0.03 dB, (Worst-case extrapolation)

Penetration depth: 12.0 (10.6, 13.7) [mm]

Powerdrift: -0.06 dB



Dipole 835MHz

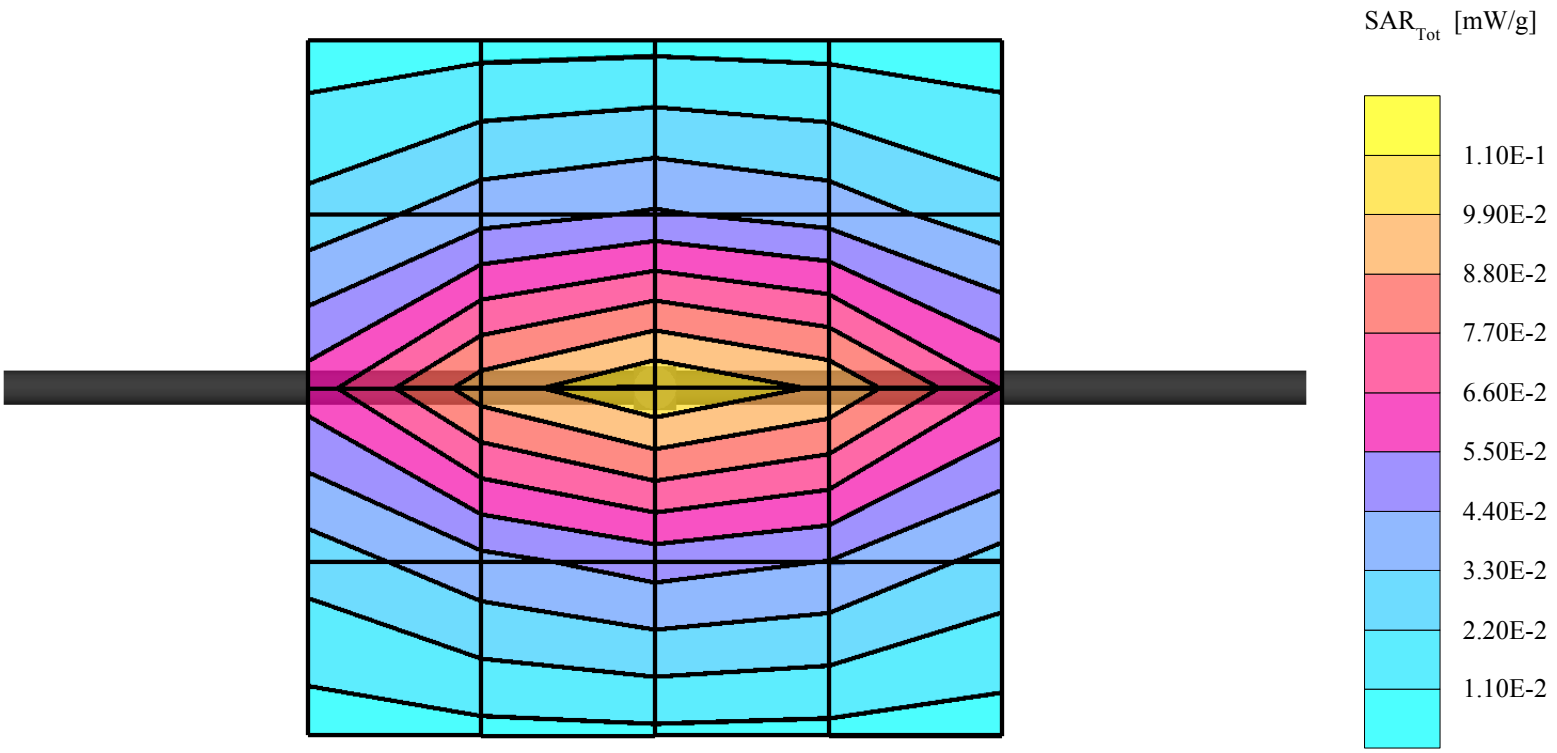
SAM; Flat

Probe: ET3DV6 - SN1618; ConvF(6.80,6.80,6.80); Crest factor: 1.0; Head 835 MHz: σ = 0.89 mho/m ε_r = 41.5 ρ = 1.00 g/cm^3

Cubes (2): Peak: 0.160 mW/g ± 0.04 dB, SAR (1g): 0.100 mW/g ± 0.03 dB, SAR (10g): 0.0644 mW/g ± 0.03 dB, (Worst-case extrapolation)

Penetration depth: 11.9 (10.7, 13.5) [mm]

Powerdrift: -0.05 dB



Dipole 835MHz

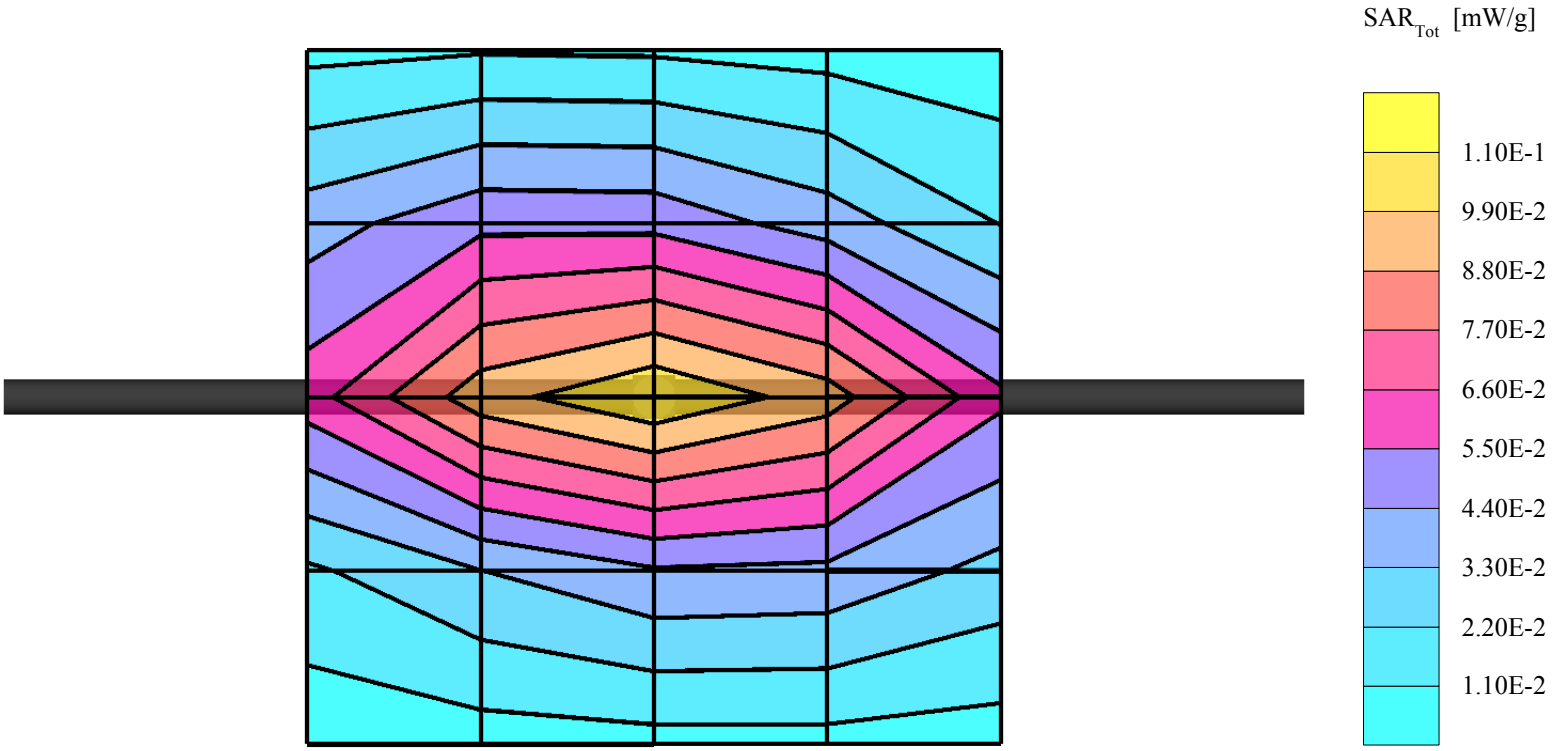
SAM; Flat

Probe: ET3DV6 - SN1618; ConvF(6.80,6.80,6.80); Crest factor: 1.0; Head 835 MHz: σ = 0.89 mho/m ε_r = 41.3 ρ = 1.00 g/cm^3

Cubes (2): Peak: 0.160 mW/g ± 0.03 dB, SAR (1g): 0.100 mW/g ± 0.04 dB, SAR (10g): 0.0644 mW/g ± 0.05 dB, (Worst-case extrapolation)

Penetration depth: 12.1 (10.7, 13.8) [mm]

Powerdrift: -0.04 dB



Dipole 835MHz

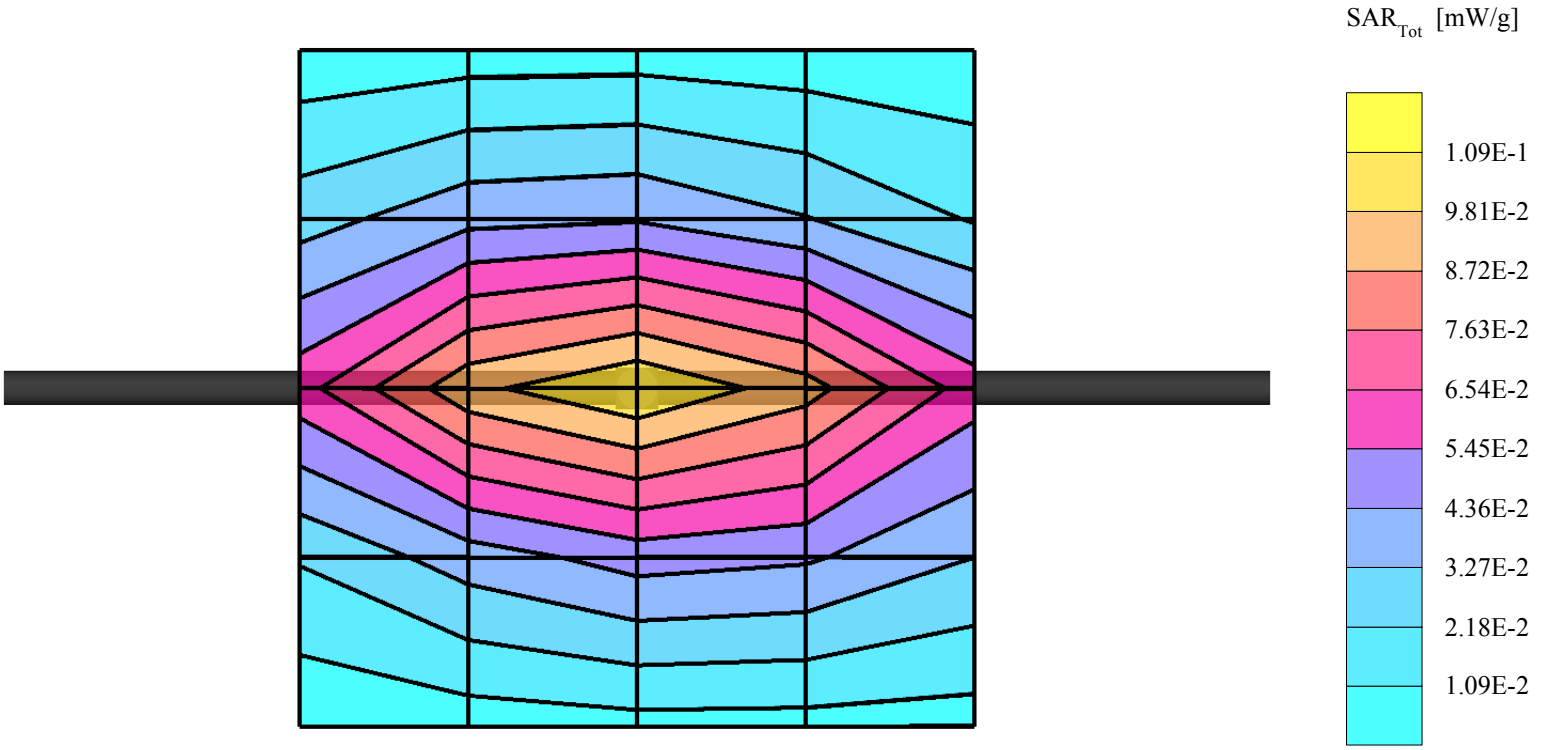
SAM; Flat

Probe: ET3DV6 - SN1618; ConvF(6.80,6.80,6.80); Crest factor: 1.0; Head 835 MHz: σ = 0.89 mho/m ε_r = 41.5 ρ = 1.00 g/cm^3

Cubes (2): Peak: 0.190 mW/g ± 0.13 dB, SAR (1g): 0.0915 mW/g ± 0.26 dB, SAR (10g): 0.0518 mW/g ± 0.49 dB, (Worst-case extrapolation)

Penetration depth: 10.6 (9.8, 11.6) [mm]

Powerdrift: -0.01 dB



Dipole 1900MHz

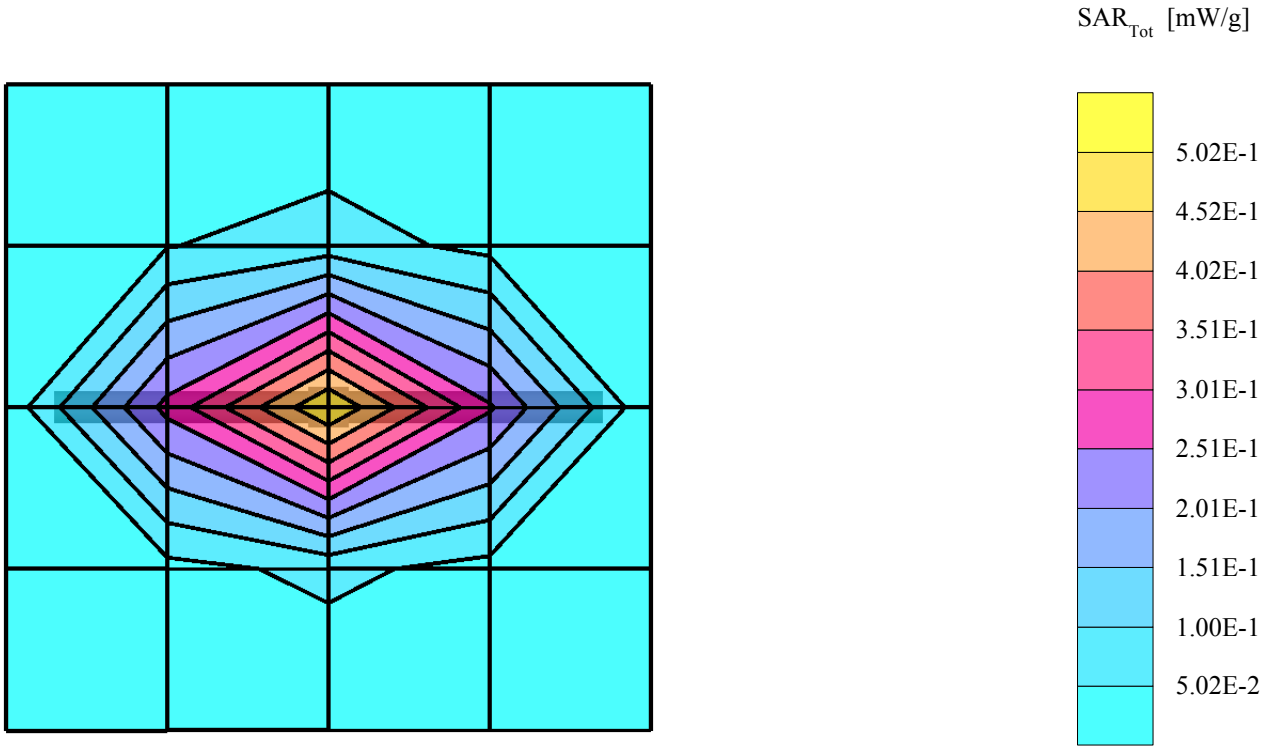
SAM; Flat

Probe: ET3DV6 - SN1618; ConvF(5.30,5.30,5.30); Crest factor: 1.0; Head 1900 MHz: σ = 1.47 mho/m ε_r = 39.8 ρ = 1.00 g/cm^3

Cubes (2): Peak: 0.848 mW/g ± 0.12 dB, SAR (1g): 0.430 mW/g ± 0.04 dB, SAR (10g): 0.219 mW/g ± 0.07 dB, (Worst-case extrapolation)

Penetration depth: 7.1 (6.9, 7.7) [mm]

Powerdrift: 1.15 dB



Dipole 1900MHz

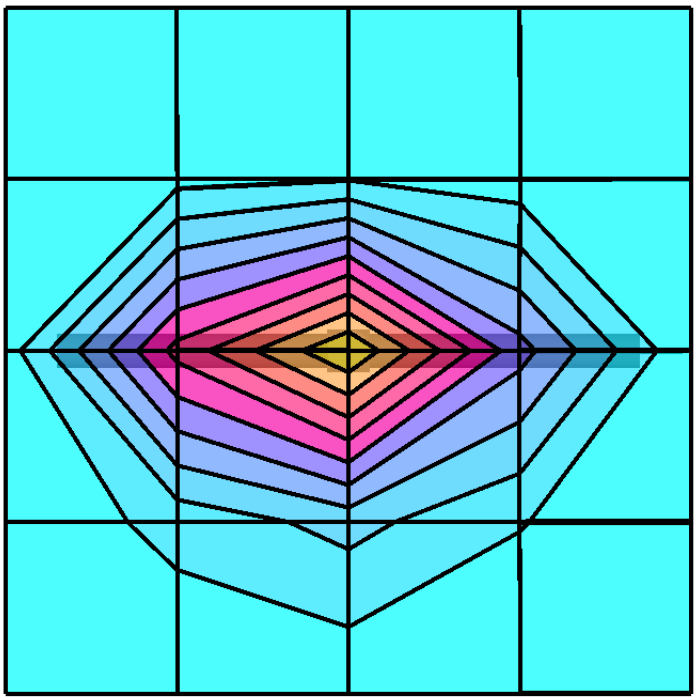
SAM; Flat

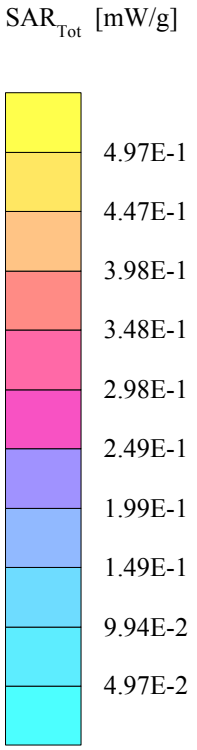
Probe: ET3DV6 - SN1618; ConvF(5.30,5.30,5.30); Crest factor: 1.0; Head 1900 MHz: σ = 1.50 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3

Cubes (2): Peak: 0.878 mW/g ± 0.00 dB, SAR (1g): 0.464 mW/g ± 0.01 dB, SAR (10g): 0.239 mW/g ± 0.02 dB, (Worst-case extrapolation)

Penetration depth: 8.1 (7.6, 9.1) [mm]

Powerdrift: 0.00 dB





Dipole 1900MHz

SAM; Flat

Probe: ET3DV6 - SN1618; ConvF(5.30,5.30,5.30); Crest factor: 1.0; Head 1900 MHz: σ = 1.46 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3

Cubes (2): Peak: 0.873 mW/g ± 0.05 dB, SAR (1g): 0.456 mW/g ± 0.03 dB, SAR (10g): 0.233 mW/g ± 0.01 dB, (Worst-case extrapolation)

Penetration depth: 7.8 (7.4, 8.9) [mm]

Powerdrift: -0.06 dB