

Date: Fri, 6 Apr 2001 15:29:10 -0400 (EDT)  
From: OET <oetech@fccsun07w.fcc.gov>  
To: rscodell@qcpi.com  
Subject:

To: Robert Scodellaro, Kyocera Wireless Corp  
From: Joe Dichoso  
jdichoso@fcc.gov  
FCC Application Processing Branch

Re: FCC ID OVFQCP-3035  
Applicant: Kyocera Wireless Corp  
Correspondence Reference Number: 18779  
731 Confirmation Number: EA98532

1. The original grant (EA 98532) indicates units produced must exceed 501 mW conducted output for AMPS mode. The latest submitted cover letter for addressing the recall issues is asking us to reduce the output to 500 mW. Other info indicates that output will be reduced by 1.5 dB and the maximum output will not exceed 25.5 dBm (355 mW) while they are targeting for 24.8 dBm (302 mW). The numbers are inconsistent and need clarification.

2. Original grant measured 646 mW ERP for AMPS mode, 479 mW ERP for CDMA mode and 400 mW for PCS mode. An output reduction of 1.5 dB for the AMPS mode will result in 457 mW ERP for the AMPS mode, which will result in an output lower than that used in the CDMA mode. It needs to be verified if SAR in CDMA mode (479 mW ERP, higher than AMPS) is still compliance.

3. The original grant has provided additional body-worn data without the belt-clip. Please provide similar body-worn data to maintain that portion of the grant conditions or revise the manual to exclude other non-tested belt-clips for all subsequent units.

4. Please confirm when will a post-grant sample, corresponding to this revised grant, be shipped to fulfil the post-grant sample requested sent at mid January (2001).

Note: Output is 457 mW ERP for AMPS mode, 479 mW ERP (???) for CDMA mode and 400 mW EIRP or PCS/CDMA.

Proposed Grant Conditions - This grant has been re-issued at the grantee's request, as stated in the filing, to reduce AMPS mode output. Output is ERP for Part 22 and EIRP for Part 24. For AMPS mode operation, units produced must not exceed 355 mW conducted output, as tested for this filing, for satisfying RF exposure requirement (may need to include CDMA mode too). SAR compliance for body-worn operating configurations is limited to the specific configurations, including a specific belt-clip, tested for this filing. Other belt-clips, holsters or similar accessories used with this device for body-worn operations must not contain any metallic component in the assembly and must provide at least 2.35 cm separation between the device, including its antenna whether extended or retracted, and the user's body (may need to take out). End-users must be informed of the body-worn operating requirements for satisfying RF exposure compliance.

The highest reported SAR values are -

AMPS/CDMA modes (Part 22) - Head: 1.34 W/kg; Body-worn: 0.50 W/kg

PCS/CDMA mode (Part 24) - Head: 1.29 W/kg; Body-worn: 0.40 W/kg

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 60 days of the original

e-mail date may result in application dismissal pursuant to Section 2.917 (c) and forfeiture of the filing fee pursuant to section 1.1108.

DO NOT reply to this e-mail by using the Reply button. In order for your response to be processed expeditiously, you must upload your response via the Internet at [www.fcc.gov](http://www.fcc.gov), Electronic Filing, OET Equipment Authorization Electronic Filing. If the response is submitted through Add Attachments, in order to expedite processing, a message which informs the processing staff that a new exhibit has been submitted must also be submitted via Submit Correspondence. Also, please note that partial responses increase processing time and should not be submitted.

Any questions about the content of this correspondence should be directed to the e-mail address listed below the name of the sender.

## **RESPONSE:**

Q1. The original grant (EA 98532) indicates units produced must exceed 501 mW conducted output for AMPS mode. The latest submitted cover letter for addressing the recall issues is asking us to reduce the output to 500 mW. Other info indicates that output will be reduced by 1.5 dB and the maximum output will not exceed 25.5 dBm (355 mW) while they are targeting for 24.8 dBm (302 mW). The numbers are inconsistent and need clarification.

A1. The cover letter should have been more specific to say 500 mW ERP for AMPS. The original grant was for 600 mW ERP (27.8 dBm) for AMPS. If you subtract 1.5 dB from 27.8, this results in 26.3 dBm, then add 0.7 dB for manufacturing tolerance, this results in 27.0 dBm which converts to 501 mW ERP.

Q2. Original grant measured 646 mW ERP for AMPS mode, 479 mW ERP for CDMA mode and 400 mW for PCS mode. An output reduction of 1.5 dB for the AMPS mode will result in 457 mW ERP for the AMPS mode, which will result in an output lower than that used in the CDMA mode. It needs to be verified if SAR in CDMA mode (479 mW ERP, higher than AMPS) is still compliance.

A2. The following is SAR data for CDMA 900 MHz mode. It contains SAR data for 900 MHz brain. The body-worn data is included in the response to question number 3.

# 900MHz Validation 04-16-01

SAR (1g): 0.0968 [mW/g]  $\pm$  0.10 dB, SAR (10g): 0.0633 [mW/g]  $\pm$  0.11 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

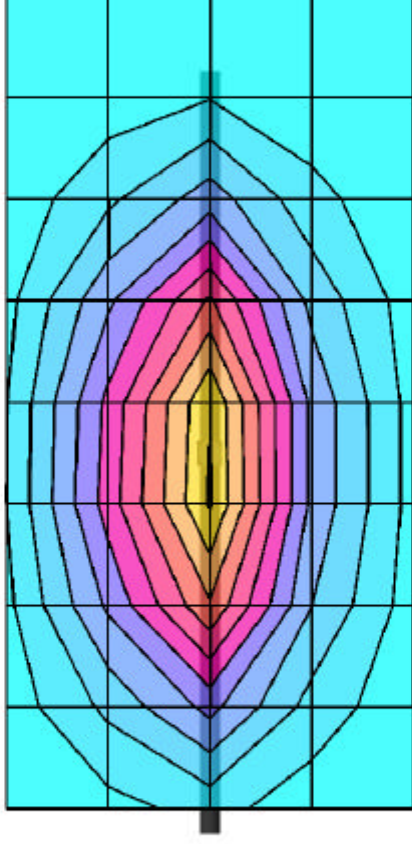
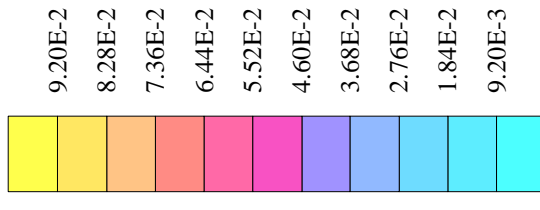
Probe: ET3DV5 - SNI353; ConvF(5.70,5.70,5.70)

Brain 900 MHz:  $\sigma = 0.86$  [mho/m]  $\epsilon_r = 43.0$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: ValidationFlat 900MHz 04-16-01.DA3

Powerdrift: -0.08 dB

SAR<sub>Tot</sub> [mW/g]



# 7GP P5K8C #1093, CDMA ch1013, FCC compliance, conducted power=25.7dBm (hdet=655)

SAR (1g): 1.36 [mW/g] ± 0.08 dB, SAR (10g): 0.972 [mW/g] ± 0.07 dB

Cubes (2) (Worst-case extrapolation)

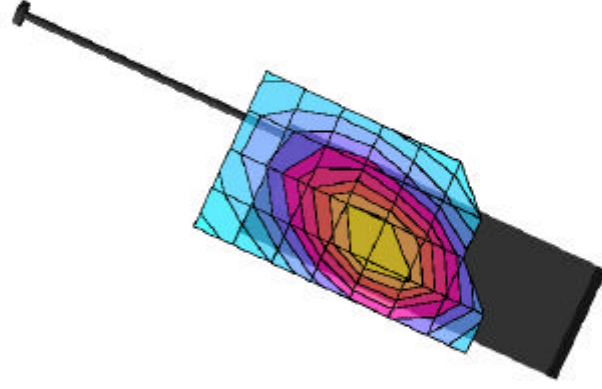
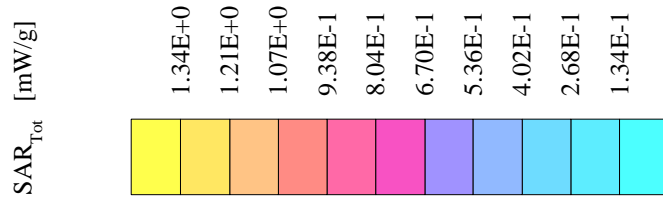
Generic Twin Phantom; Left Hand Section

Probe: ET3DV5 - SNI1353; ConvF(5.70,5.70,5.70)

Brain 900 MHz:  $\sigma = 0.86$  [mho/m]  $\epsilon_r = 43.0$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, CDMA ch1013, power=25.7dBm, 04-16-01.DA3

Powerdrift: -0.06 dB



# 7GP P5K8C #1093, CDMA ch1013, FCC compliance, conducted power=25.7dBm (hdet=655)

SAR (1g): 0.903 [mW/g] ± 0.06 dB, SAR (10g): 0.641 [mW/g] ± 0.08 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Left Hand Section

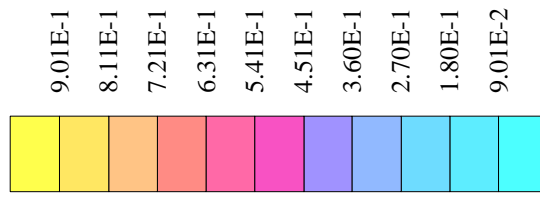
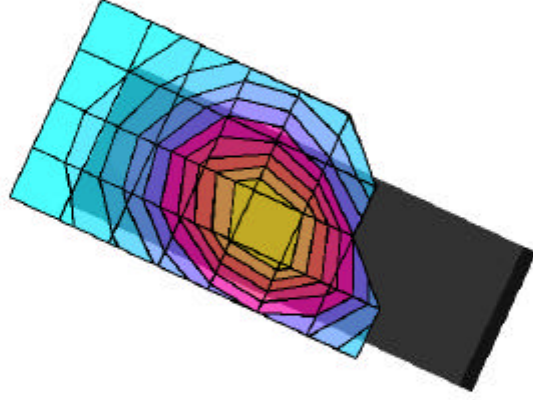
Probe: ET3DV5 - SNI1353; ConvF(5.70,5.70,5.70)

Brain 900 MHz:  $\sigma = 0.86$  [mho/m]  $\epsilon_r = 43.0$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, CDMA ch1013, power=25.7dBm, 04-16-01.DA3

Powerdrift: -0.28 dB

SAR<sub>Tot</sub> [mW/g]



# 7GP P5K8C #1093, CDMA ch383, FCC compliance, conducted power=25.7dBm (hdet=600)

SAR (1g): 1.25 [mW/g] ± 0.05 dB, SAR (10g): 0.890 [mW/g] ± 0.07 dB

Cubes (2) (Worst-case extrapolation)

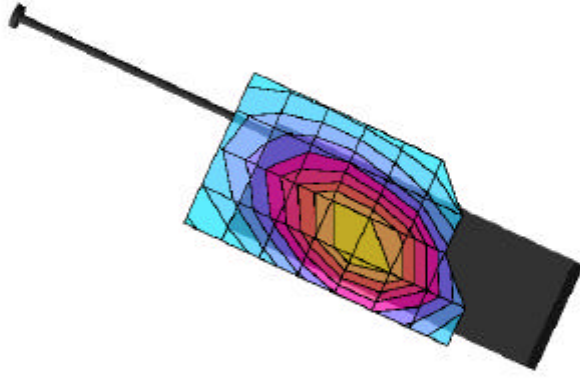
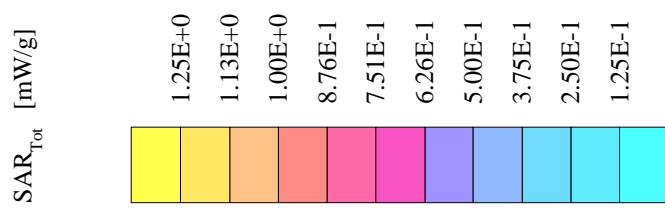
Generic Twin Phantom; Left Hand Section

Probe: ET3DV5 - SNI1353; ConvF(5.70,5.70,5.70)

Brain 900 MHz:  $\sigma = 0.86$  [mho/m]  $\epsilon_r = 43.0$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, CDMA ch383, power=25.7dBm, 04-16-01.DA3

Powerdrift: -0.04 dB



# 7GP P5K8C #1093, CDMA ch383, FCC compliance, conducted power=25.7dBm (hdet=600)

SAR (1g): 0.862 [mW/g] ± 0.06 dB, SAR (10g): 0.611 [mW/g] ± 0.08 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Left Hand Section

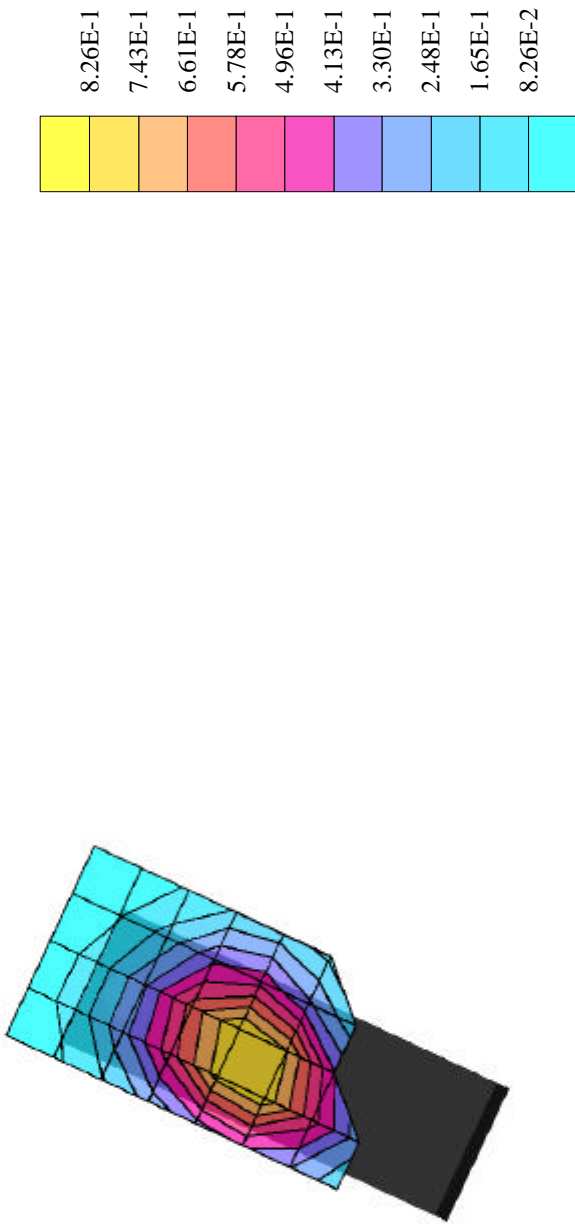
Probe: ET3DV5 - SNI1353; ConvF(5.70,5.70,5.70)

Brain 900 MHz:  $\sigma = 0.86$  [mho/m]  $\epsilon_r = 43.0$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, CDMA ch383, power=25.7dBm, 04-16-01.DA3

Powerdrift: 0.06 dB

SAR<sub>Tot</sub> [mW/g]



# 7GP P5K8C #1093, CDMA ch777, FCC compliance, conducted power=25.7dBm (hdet=605)

SAR (1g): 1.35 [mW/g] ± 0.02 dB, SAR (10g): 0.965 [mW/g] ± 0.04 dB

Cubes (2) (Worst-case extrapolation)

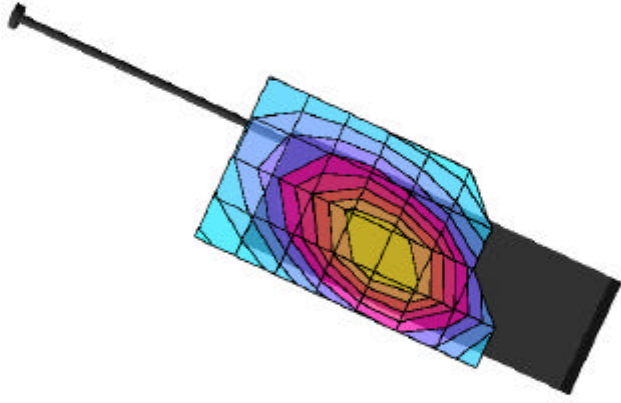
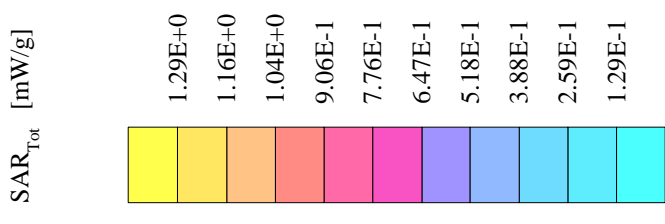
Generic Twin Phantom; Left Hand Section

Probe: ET3DV5 - SNI1353; ConvF(5.70,5.70,5.70)

Brain 900 MHz:  $\sigma = 0.86$  [mho/m]  $\epsilon_r = 43.0$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, CDMA ch777, power=25.7dBm, 04-16-01.DA3

Powerdrift: -0.03 dB





# 7GP P5K8C #1093, CDMA ch777, FCC compliance, conducted power=25.7dBm (hdet=605)

SAR (1g): 0.934 [mW/g] ± 0.05 dB, SAR (10g): 0.661 [mW/g] ± 0.08 dB

Cubes (2) (Worst-case extrapolation)

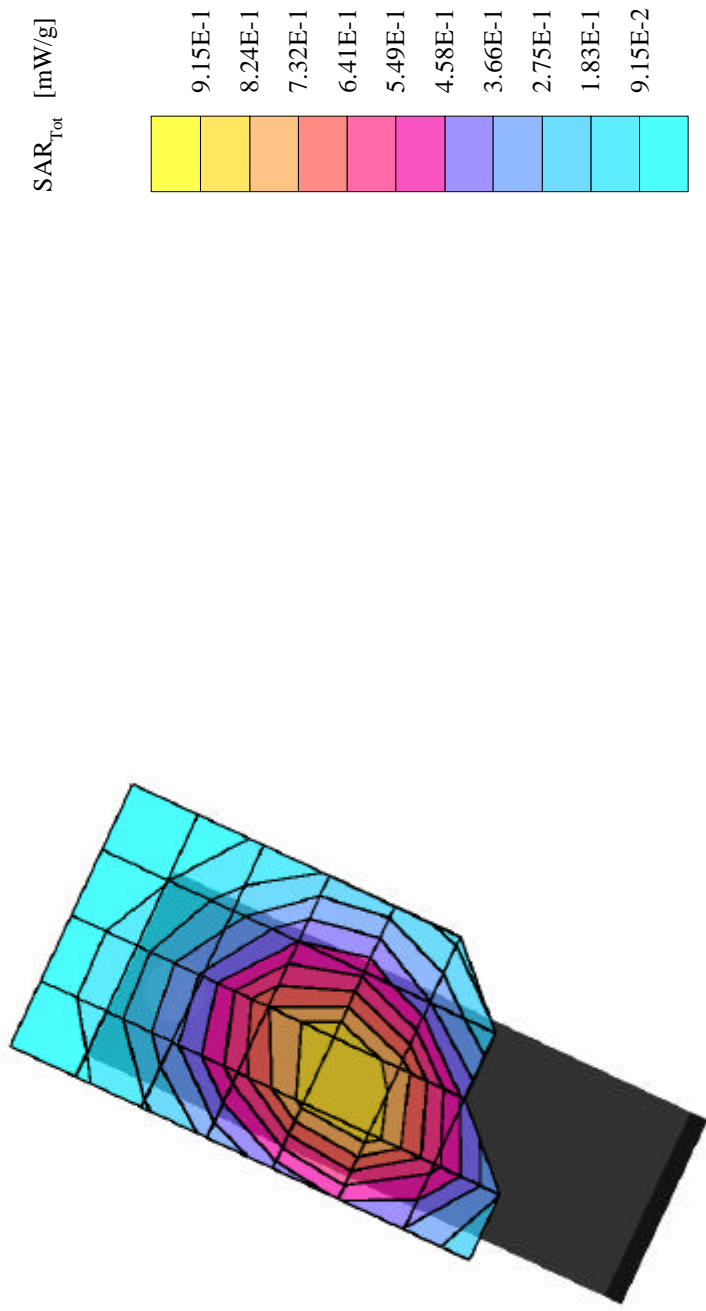
Generic Twin Phantom; Left Hand Section

Probe: ET3DV5 - SNI1353; ConvF(5.70,5.70,5.70)

Brain 900 MHz:  $\sigma = 0.86$  [mho/m]  $\epsilon_r = 43.0$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, CDMA ch777, power=25.7dBm, 04-16-01.DA3

Powerdrift: -0.19 dB





Q3. The original grant has provided additional body-worn data without the belt-clip. Please provide similar body-worn data to maintain that portion of the grant conditions or revise the manual to exclude other non-tested belt-clips for all subsequent units.

A3. The following is SAR body-worn data without a belt-clip for FM AMPS, 900 MHz CDMA and PCS. Also included is SAR body-worn data with a belt-clip for 900 MHz CDMA.



## **Muscle Tissue Calibration Data Sheet**

Reference math : OFF

Title: 04-16-01

Pt#	Frequency (GHz)	Data real	Data imag
1	0.000300000	6320.55	6075.75
2	0.007799250	116.39	743.01
3	0.015298500	84.92	379.73
4	0.022797750	72.14	255.54
5	0.030297000	70.55	194.31
6	0.037796250	68.84	154.71
7	0.045295500	67.73	129.87
8	0.052794750	67.02	112.35
9	0.060294000	66.61	98.64
10	0.067793250	66.31	88.51
11	0.075292500	66.07	80.16
12	0.082791750	65.79	73.68
13	0.090291000	65.57	68.09
14	0.097790250	65.30	63.42
15	0.105289500	65.15	59.32
16	0.112788750	65.16	55.74
17	0.120288000	64.67	52.88
18	0.127787250	64.71	50.13
19	0.135286500	64.41	47.70
20	0.142785750	64.27	45.71
21	0.150285000	64.23	43.65
22	0.157784250	64.08	42.08
23	0.165283500	63.88	40.56
24	0.172782750	63.83	39.05
25	0.180282000	63.54	37.77
26	0.187781250	63.55	36.64
27	0.195280500	63.41	35.61
28	0.202779750	63.14	34.66
29	0.210279000	62.96	33.68
30	0.217778250	62.95	32.82
31	0.225277500	62.84	32.08
32	0.232776750	62.64	31.36
33	0.240276000	62.49	30.71
34	0.247775250	62.48	30.06
35	0.255274500	62.34	29.42
36	0.262773750	62.31	29.00
37	0.270273000	62.12	28.44
38	0.277772250	62.07	27.93
39	0.285271500	61.89	27.48
40	0.292770750	61.84	26.91
41	0.300270000	61.72	26.53
42	0.307769250	61.64	26.10
43	0.315268500	61.59	25.81
44	0.322767750	61.44	25.48
45	0.330267000	61.31	25.10
46	0.337766250	61.29	24.82
47	0.345265500	61.19	24.58
48	0.352764750	61.02	24.29
49	0.360264000	61.01	23.98
50	0.367763250	60.86	23.73
51	0.375262500	60.75	23.51
52	0.382761750	60.73	23.25
53	0.390261000	60.65	23.07
54	0.397760250	60.54	22.82
55	0.405259500	60.50	22.62
56	0.412758750	60.34	22.47

900 MHz MUSCLE

57	0.420258000	60.29	22.29
58	0.427757250	60.17	22.18
59	0.435256500	60.13	21.98
60	0.442755750	60.02	21.83
61	0.450255000	59.96	21.69
62	0.457754250	59.86	21.56
63	0.465253500	59.78	21.38
64	0.472752750	59.66	21.27
65	0.480252000	59.63	21.09
66	0.487751250	59.58	21.00
67	0.495250500	59.46	20.91
68	0.502749750	59.36	20.79
69	0.510249000	59.34	20.70
70	0.517748250	59.24	20.58
71	0.525247500	59.15	20.47
72	0.532746750	59.12	20.40
73	0.540246000	59.03	20.27
74	0.547745250	58.99	20.19
75	0.555244500	58.92	20.13
76	0.562743750	58.84	20.05
77	0.570243000	58.76	19.95
78	0.577742250	58.69	19.92
79	0.585241500	58.61	19.80
80	0.592740750	58.55	19.74
81	0.600240000	58.46	19.71
82	0.607739250	58.40	19.67
83	0.615238500	58.32	19.53
84	0.622737750	58.24	19.55
85	0.630237000	58.14	19.44
86	0.637736250	58.12	19.40
87	0.645235500	58.06	19.40
88	0.652734750	57.98	19.36
89	0.660234000	57.87	19.27
90	0.667733250	57.83	19.25
91	0.675232500	57.75	19.21
92	0.682731750	57.69	19.16
93	0.690231000	57.57	19.10
94	0.697730250	57.54	19.06
95	0.705229500	57.49	19.04
96	0.712728750	57.36	19.01
97	0.720228000	57.30	18.97
98	0.727727250	57.29	18.97
99	0.735226500	57.16	18.92
100	0.742725750	57.13	18.87
101	0.750225000	57.08	18.86
102	0.757724250	56.97	18.82
103	0.765223500	56.91	18.81
104	0.772722750	56.86	18.79
105	0.780222000	56.78	18.75
106	0.787721250	56.74	18.73
107	0.795220500	56.65	18.76
108	0.802719750	56.58	18.70
109	0.810219000	56.54	18.70
110	0.817718250	56.46	18.67
111	0.825217500	56.41	18.66
112	0.832716750	56.33	18.62
113	0.840216000	56.27	18.61
114	0.847715250	56.22	18.61
115	0.855214500	56.16	18.59
116	0.862713750	56.08	18.59

117	0.870213000	56.03	18.55
118	0.877712250	55.93	18.51
119	0.885211500	55.90	18.52
120	0.892710750	55.81	18.53
121	0.900210000	55.77	18.51
122	0.907709250	55.71	18.50
123	0.915208500	55.64	18.46
124	0.922707750	55.60	18.47
125	0.930207000	55.52	18.46
126	0.937706250	55.47	18.42
127	0.945205500	55.42	18.43
128	0.952704750	55.33	18.44
129	0.960204000	55.29	18.41
130	0.967703250	55.22	18.40
131	0.975202500	55.16	18.38
132	0.982701750	55.09	18.39
133	0.990201000	55.02	18.40
134	0.997700250	54.97	18.36
135	1.005199500	54.94	18.37
136	1.012698750	54.86	18.36
137	1.020198000	54.82	18.30
138	1.027697250	54.80	18.31
139	1.035196500	54.74	18.31
140	1.042695750	54.69	18.33
141	1.050195000	54.64	18.34
142	1.057694250	54.60	18.35
143	1.065193500	54.54	18.34
144	1.072692750	54.50	18.38
145	1.080192000	54.37	18.37
146	1.087691250	54.39	18.36
147	1.095190500	54.28	18.39
148	1.102689750	54.21	18.37
149	1.110189000	54.18	18.41
150	1.117688250	54.09	18.39
151	1.125187500	54.04	18.40
152	1.132686750	53.99	18.40
153	1.140186000	53.92	18.40
154	1.147685250	53.85	18.41
155	1.155184500	53.82	18.41
156	1.162683750	53.77	18.39
157	1.170183000	53.69	18.40
158	1.177682250	53.64	18.38
159	1.185181500	53.60	18.37
160	1.192680750	53.54	18.37
161	1.200180000	53.46	18.38
162	1.207679250	53.43	18.40
163	1.215178500	53.36	18.42
164	1.222677750	53.32	18.42
165	1.230177000	53.27	18.41
166	1.237676250	53.22	18.43
167	1.245175500	53.19	18.40
168	1.252674750	53.14	18.42
169	1.260174000	53.06	18.42
170	1.267673250	53.01	18.41
171	1.275172500	52.96	18.43
172	1.282671750	52.90	18.42
173	1.290171000	52.86	18.44
174	1.297670250	52.79	18.46
175	1.305169500	52.75	18.46
176	1.312668750	52.71	18.49

$$\sigma = 0.927 \text{ S/m}$$



177	1.320168000	52.66	18.49
178	1.327667250	52.60	18.49
179	1.335166500	52.57	18.49
180	1.342665750	52.50	18.50
181	1.350165000	52.45	18.50
182	1.357664250	52.43	18.51
183	1.365163500	52.35	18.53
184	1.372662750	52.30	18.52
185	1.380162000	52.23	18.56
186	1.387661250	52.16	18.55
187	1.395160500	52.14	18.56
188	1.402659750	52.08	18.58
189	1.410159000	52.00	18.56
190	1.417658250	51.98	18.58
191	1.425157500	51.91	18.61
192	1.432656750	51.87	18.58
193	1.440156000	51.82	18.62
194	1.447655250	51.77	18.61
195	1.455154500	51.72	18.62
196	1.462653750	51.68	18.65
197	1.470153000	51.62	18.65
198	1.477652250	51.57	18.66
199	1.485151500	51.51	18.66
200	1.492650750	51.45	18.66
201	1.500150000	51.40	18.65
202	1.507649250	51.35	18.67
203	1.515148500	51.30	18.66
204	1.522647750	51.25	18.69
205	1.530147000	51.20	18.69
206	1.537646250	51.14	18.71
207	1.545145500	51.11	18.72
208	1.552644750	51.04	18.74
209	1.560144000	51.01	18.72
210	1.567643250	50.97	18.74
211	1.575142500	50.91	18.75
212	1.582641750	50.85	18.74
213	1.590141000	50.80	18.76
214	1.597640250	50.74	18.75
215	1.605139500	50.70	18.74
216	1.612638750	50.65	18.77
217	1.620138000	50.59	18.78
218	1.627637250	50.57	18.78
219	1.635136500	50.49	18.79
220	1.642635750	50.45	18.78
221	1.650135000	50.40	18.80
222	1.657634250	50.36	18.81
223	1.665133500	50.32	18.80
224	1.672632750	50.27	18.82
225	1.680132000	50.21	18.82
226	1.687631250	50.17	18.82
227	1.695130500	50.12	18.82
228	1.702629750	50.06	18.83
229	1.710129000	50.03	18.82
230	1.717628250	49.99	18.85
231	1.725127500	49.94	18.84
232	1.732626750	49.90	18.85
233	1.740126000	49.85	18.85
234	1.747625250	49.81	18.84
235	1.755124500	49.77	18.86
236	1.762623750	49.74	18.86

237	1.770123000	49.71	18.87
238	1.777622250	49.66	18.88
239	1.785121500	49.61	18.90
240	1.792620750	49.58	18.91
241	1.800120000	49.52	18.91
242	1.807619250	49.49	18.91
243	1.815118500	49.44	18.93
244	1.822617750	49.40	18.95
245	1.830117000	49.35	18.94
246	1.837616250	49.32	18.93
247	1.845115500	49.26	18.96
248	1.852614750	49.19	18.95
249	1.860114000	49.18	18.97
250	1.867613250	49.12	18.99
251	1.875112500	49.08	18.98
252	1.882611750	49.05	19.00
253	1.890111000	49.01	18.99
254	1.897610250	48.96	19.02
255	1.905109500	48.90	19.01
256	1.912608750	48.85	19.00
257	1.920108000	48.83	19.02
258	1.927607250	48.76	19.03
259	1.935106500	48.73	19.01
260	1.942605750	48.70	19.03
261	1.950105000	48.65	19.04
262	1.957604250	48.62	19.03
263	1.965103500	48.58	19.03
264	1.972602750	48.54	19.04
265	1.980102000	48.51	19.04
266	1.987601250	48.47	19.05
267	1.995100500	48.43	19.06
268	2.002599750	48.38	19.06
269	2.010099000	48.35	19.07
270	2.017598250	48.31	19.08
271	2.025097500	48.27	19.07
272	2.032596750	48.26	19.08
273	2.040096000	48.21	19.11
274	2.047595250	48.17	19.10
275	2.055094500	48.14	19.12
276	2.062593750	48.10	19.11
277	2.070093000	48.07	19.15
278	2.077592250	48.04	19.15
279	2.085091500	47.99	19.17
280	2.092590750	47.95	19.18
281	2.100090000	47.91	19.19
282	2.107589250	47.87	19.20
283	2.115088500	47.84	19.22
284	2.122587750	47.79	19.22
285	2.130087000	47.75	19.23
286	2.137586250	47.71	19.23
287	2.145085500	47.67	19.25
288	2.152584750	47.64	19.26
289	2.160084000	47.57	19.28
290	2.167583250	47.55	19.26
291	2.175082500	47.51	19.28
292	2.182581750	47.45	19.29
293	2.190081000	47.41	19.30
294	2.197580250	47.35	19.30
295	2.205079500	47.34	19.30
296	2.212578750	47.28	19.32

297	2.220078000	47.26	19.30
298	2.227577250	47.23	19.32
299	2.235076500	47.17	19.32
300	2.242575750	47.14	19.32
301	2.250075000	47.11	19.32
302	2.257574250	47.07	19.33
303	2.265073500	47.05	19.33
304	2.272572750	47.01	19.35
305	2.280072000	46.97	19.36
306	2.287571250	46.95	19.35
307	2.295070500	46.92	19.37
308	2.302569750	46.88	19.37
309	2.310069000	46.84	19.38
310	2.317568250	46.81	19.40
311	2.325067500	46.78	19.40
312	2.332566750	46.75	19.42
313	2.340066000	46.72	19.43
314	2.347565250	46.70	19.45
315	2.355064500	46.66	19.46
316	2.362563750	46.64	19.48
317	2.370063000	46.60	19.49
318	2.377562250	46.56	19.50
319	2.385061500	46.51	19.53
320	2.392560750	46.47	19.53
321	2.400060000	46.44	19.54
322	2.407559250	46.41	19.56
323	2.415058500	46.35	19.57
324	2.422557750	46.33	19.57
325	2.430057000	46.28	19.60
326	2.437556250	46.25	19.61
327	2.445055500	46.22	19.63
328	2.452554750	46.17	19.65
329	2.460054000	46.14	19.63
330	2.467553250	46.11	19.66
331	2.475052500	46.07	19.67
332	2.482551750	46.04	19.68
333	2.490051000	45.98	19.69
334	2.497550250	45.96	19.69
335	2.505049500	45.91	19.70
336	2.512548750	45.86	19.71
337	2.520048000	45.84	19.74
338	2.527547250	45.77	19.74
339	2.535046500	45.76	19.74
340	2.542545750	45.72	19.79
341	2.550045000	45.66	19.78
342	2.557544250	45.65	19.79
343	2.565043500	45.60	19.80
344	2.572542750	45.56	19.81
345	2.580042000	45.52	19.81
346	2.587541250	45.48	19.81
347	2.595040500	45.45	19.80
348	2.602539750	45.42	19.84
349	2.610039000	45.36	19.85
350	2.617538250	45.33	19.85
351	2.625037500	45.29	19.85
352	2.632536750	45.25	19.85
353	2.640036000	45.21	19.86
354	2.647535250	45.16	19.88
355	2.655034500	45.12	19.88
356	2.662533750	45.09	19.90

357	2.670033000	45.05	19.92
358	2.677532250	45.03	19.92
359	2.685031500	44.99	19.92
360	2.692530750	44.95	19.93
361	2.700030000	44.91	19.95
362	2.707529250	44.88	19.95
363	2.715028500	44.85	19.96
364	2.722527750	44.80	19.97
365	2.730027000	44.77	19.97
366	2.737526250	44.71	19.98
367	2.745025500	44.67	19.98
368	2.752524750	44.64	19.99
369	2.760024000	44.61	19.99
370	2.767523250	44.56	20.00
371	2.775022500	44.51	20.01
372	2.782521750	44.49	20.02
373	2.790021000	44.43	20.04
374	2.797520250	44.40	20.04
375	2.805019500	44.38	20.04
376	2.812518750	44.34	20.05
377	2.820018000	44.31	20.05
378	2.827517250	44.28	20.06
379	2.835016500	44.24	20.05
380	2.842515750	44.22	20.05
381	2.850015000	44.16	20.06
382	2.857514250	44.11	20.07
383	2.865013500	44.08	20.05
384	2.872512750	44.05	20.07
385	2.880012000	44.01	20.07
386	2.887511250	43.98	20.08
387	2.895010500	43.93	20.08
388	2.902509750	43.91	20.08
389	2.910009000	43.88	20.11
390	2.917508250	43.84	20.10
391	2.925007500	43.83	20.09
392	2.932506750	43.78	20.10
393	2.940006000	43.75	20.09
394	2.947505250	43.72	20.10
395	2.955004500	43.68	20.09
396	2.962503750	43.65	20.10
397	2.970003000	43.61	20.10
398	2.977502250	43.58	20.12
399	2.985001500	43.54	20.13
400	2.992500750	43.52	20.12
401	3.000000000	43.48	20.14

Reference math : OFF

Title: 04-16-01

Pt#	Frequency (GHz)	Data real	Data imag
1	0.000300000	122.07	36.60
2	0.007799250	67.65	8.30
3	0.015298500	68.02	4.01
4	0.022797750	67.82	2.46
5	0.030297000	67.25	2.81
6	0.037796250	66.81	2.40
7	0.045295500	67.18	2.87
8	0.052794750	67.10	2.90
9	0.060294000	67.17	3.00
10	0.067793250	66.78	2.74
11	0.075292500	66.98	3.07
12	0.082791750	66.78	3.07
13	0.090291000	66.63	3.21
14	0.097790250	66.35	3.24
15	0.105289500	66.45	3.08
16	0.112788750	66.34	3.43
17	0.120288000	66.25	3.73
18	0.127787250	66.19	3.77
19	0.135286500	66.20	3.84
20	0.142785750	66.05	3.90
21	0.150285000	65.93	3.99
22	0.157784250	65.87	4.15
23	0.165283500	65.81	4.15
24	0.172782750	65.77	4.31
25	0.180282000	65.74	4.40
26	0.187781250	65.61	4.33
27	0.195280500	65.60	4.47
28	0.202779750	65.42	4.69
29	0.210279000	65.42	4.79
30	0.217778250	65.31	4.82
31	0.225277500	65.30	4.91
32	0.232776750	65.14	5.04
33	0.240276000	65.14	5.15
34	0.247775250	65.13	5.22
35	0.255274500	65.02	5.35
36	0.262773750	64.85	5.37
37	0.270273000	64.79	5.54
38	0.277772250	64.74	5.50
39	0.285271500	64.71	5.60
40	0.292770750	64.68	5.66
41	0.300270000	64.62	5.80
42	0.307769250	64.56	5.91
43	0.315268500	64.49	6.00
44	0.322767750	64.44	6.08
45	0.330267000	64.32	6.17
46	0.337766250	64.31	6.23
47	0.345265500	64.24	6.34
48	0.352764750	64.16	6.37
49	0.360264000	64.09	6.44
50	0.367763250	64.04	6.57
51	0.375262500	64.04	6.59
52	0.382761750	63.97	6.74
53	0.390261000	63.88	6.79
54	0.397760250	63.81	6.89
55	0.405259500	63.75	6.93
56	0.412758750	63.73	7.02

1800 MHz MUSCLE

57	0.420258000	63.62	7.11
58	0.427757250	63.59	7.20
59	0.435256500	63.50	7.25
60	0.442755750	63.51	7.28
61	0.450255000	63.45	7.44
62	0.457754250	63.35	7.48
63	0.465253500	63.33	7.53
64	0.472752750	63.23	7.65
65	0.480252000	63.21	7.66
66	0.487751250	63.09	7.78
67	0.495250500	63.04	7.84
68	0.502749750	63.01	7.94
69	0.510249000	62.96	8.01
70	0.517748250	62.89	8.10
71	0.525247500	62.82	8.15
72	0.532746750	62.75	8.21
73	0.540246000	62.73	8.27
74	0.547745250	62.69	8.36
75	0.555244500	62.56	8.38
76	0.562743750	62.57	8.46
77	0.570243000	62.49	8.60
78	0.577742250	62.39	8.65
79	0.585241500	62.38	8.69
80	0.592740750	62.33	8.79
81	0.600240000	62.21	8.82
82	0.607739250	62.21	8.88
83	0.615238500	62.11	8.97
84	0.622737750	62.09	9.01
85	0.630237000	62.05	9.08
86	0.637736250	61.96	9.18
87	0.645235500	61.90	9.17
88	0.652734750	61.88	9.32
89	0.660234000	61.82	9.35
90	0.667733250	61.79	9.41
91	0.675232500	61.71	9.47
92	0.682731750	61.64	9.54
93	0.690231000	61.58	9.62
94	0.697730250	61.51	9.64
95	0.705229500	61.50	9.68
96	0.712728750	61.46	9.78
97	0.720228000	61.32	9.88
98	0.727727250	61.29	9.89
99	0.735226500	61.26	9.97
100	0.742725750	61.19	10.04
101	0.750225000	61.14	10.09
102	0.757724250	61.08	10.12
103	0.765223500	61.02	10.19
104	0.772722750	60.95	10.24
105	0.780222000	60.92	10.28
106	0.787721250	60.82	10.33
107	0.795220500	60.80	10.37
108	0.802719750	60.77	10.47
109	0.810219000	60.71	10.55
110	0.817718250	60.64	10.60
111	0.825217500	60.61	10.65
112	0.832716750	60.51	10.68
113	0.840216000	60.50	10.74
114	0.847715250	60.43	10.81
115	0.855214500	60.36	10.84
116	0.862713750	60.33	10.96

117	0.870213000	60.21	10.97
118	0.877712250	60.21	10.98
119	0.885211500	60.17	11.06
120	0.892710750	60.07	11.13
121	0.900210000	60.07	11.19
122	0.907709250	60.01	11.23
123	0.915208500	59.95	11.26
124	0.922707750	59.91	11.35
125	0.930207000	59.82	11.38
126	0.937706250	59.79	11.43
127	0.945205500	59.73	11.50
128	0.952704750	59.66	11.52
129	0.960204000	59.63	11.55
130	0.967703250	59.59	11.63
131	0.975202500	59.50	11.67
132	0.982701750	59.46	11.72
133	0.990201000	59.39	11.78
134	0.997700250	59.35	11.81
135	1.005199500	59.32	11.87
136	1.012698750	59.23	11.93
137	1.020198000	59.20	11.93
138	1.027697250	59.17	11.98
139	1.035196500	59.08	12.07
140	1.042695750	59.02	12.07
141	1.050195000	58.99	12.13
142	1.057694250	58.93	12.17
143	1.065193500	58.90	12.20
144	1.072692750	58.83	12.26
145	1.080192000	58.78	12.28
146	1.087691250	58.77	12.35
147	1.095190500	58.67	12.41
148	1.102689750	58.63	12.41
149	1.110189000	58.61	12.47
150	1.117688250	58.52	12.52
151	1.125187500	58.49	12.56
152	1.132686750	58.43	12.62
153	1.140186000	58.39	12.65
154	1.147685250	58.36	12.71
155	1.155184500	58.27	12.74
156	1.162683750	58.26	12.76
157	1.170183000	58.22	12.86
158	1.177682250	58.14	12.90
159	1.185181500	58.08	12.92
160	1.192680750	58.03	13.00
161	1.200180000	57.98	13.01
162	1.207679250	57.93	13.06
163	1.215178500	57.88	13.12
164	1.222677750	57.83	13.13
165	1.230177000	57.78	13.21
166	1.237676250	57.71	13.21
167	1.245175500	57.67	13.24
168	1.252674750	57.63	13.31
169	1.260174000	57.56	13.32
170	1.267673250	57.51	13.35
171	1.275172500	57.46	13.39
172	1.282671750	57.39	13.43
173	1.290171000	57.35	13.51
174	1.297670250	57.29	13.53
175	1.305169500	57.26	13.57
176	1.312668750	57.20	13.63

177	1.320168000	57.14	13.62
178	1.327667250	57.14	13.66
179	1.335166500	57.06	13.74
180	1.342665750	57.00	13.74
181	1.350165000	56.98	13.78
182	1.357664250	56.92	13.82
183	1.365163500	56.87	13.84
184	1.372662750	56.83	13.88
185	1.380162000	56.76	13.92
186	1.387661250	56.71	13.95
187	1.395160500	56.69	13.99
188	1.402659750	56.62	14.04
189	1.410159000	56.59	14.06
190	1.417658250	56.55	14.12
191	1.425157500	56.49	14.13
192	1.432656750	56.45	14.19
193	1.440156000	56.40	14.21
194	1.447655250	56.37	14.24
195	1.455154500	56.30	14.30
196	1.462653750	56.26	14.33
197	1.470153000	56.21	14.37
198	1.477652250	56.15	14.40
199	1.485151500	56.12	14.43
200	1.492650750	56.06	14.45
201	1.500150000	55.99	14.49
202	1.507649250	55.96	14.51
203	1.515148500	55.91	14.54
204	1.522647750	55.85	14.58
205	1.530147000	55.78	14.61
206	1.537646250	55.75	14.65
207	1.545145500	55.71	14.67
208	1.552644750	55.66	14.71
209	1.560144000	55.62	14.74
210	1.567643250	55.57	14.77
211	1.575142500	55.53	14.78
212	1.582641750	55.49	14.83
213	1.590141000	55.42	14.85
214	1.597640250	55.39	14.89
215	1.605139500	55.34	14.90
216	1.612638750	55.30	14.93
217	1.620138000	55.28	14.97
218	1.627637250	55.22	14.98
219	1.635136500	55.17	15.00
220	1.642635750	55.15	15.04
221	1.650135000	55.08	15.06
222	1.657634250	55.07	15.08
223	1.665133500	55.00	15.11
224	1.672632750	54.97	15.13
225	1.680132000	54.93	15.18
226	1.687631250	54.86	15.21
227	1.695130500	54.84	15.21
228	1.702629750	54.79	15.27
229	1.710129000	54.74	15.29
230	1.717628250	54.71	15.33
231	1.725127500	54.67	15.35
232	1.732626750	54.63	15.38
233	1.740126000	54.58	15.39
234	1.747625250	54.52	15.43
235	1.755124500	54.49	15.46
236	1.762623750	54.43	15.49



237	1.770123000	54.40	15.50
238	1.777622250	54.34	15.54
239	1.785121500	54.30	15.57
240	1.792620750	54.26	15.58
241	1.800120000	54.23	15.63
242	1.807619250	54.19	15.64
243	1.815118500	54.15	15.66
244	1.822617750	54.11	15.69
245	1.830117000	54.07	15.70
246	1.837616250	54.04	15.74
247	1.845115500	53.97	15.75
248	1.852614750	53.94	15.77
249	1.860114000	53.91	15.81
250	1.867613250	53.87	15.83
251	1.875112500	53.82	15.87
252	1.882611750	53.79	15.88
253	1.890111000	53.77	15.93
254	1.897610250	53.72	15.95
255	1.905109500	53.69	15.97
256	1.912608750	53.65	16.01
257	1.920108000	53.62	16.04
258	1.927607250	53.57	16.06
259	1.935106500	53.53	16.12
260	1.942605750	53.48	16.13
261	1.950105000	53.44	16.14
262	1.957604250	53.41	16.19
263	1.965103500	53.36	16.20
264	1.972602750	53.32	16.25
265	1.980102000	53.25	16.27
266	1.987601250	53.24	16.28
267	1.995100500	53.19	16.33
268	2.002599750	53.14	16.33
269	2.010099000	53.11	16.36
270	2.017598250	53.05	16.42
271	2.025097500	53.02	16.42
272	2.032596750	52.99	16.45
273	2.040096000	52.94	16.48
274	2.047595250	52.89	16.49
275	2.055094500	52.85	16.52
276	2.062593750	52.84	16.54
277	2.070093000	52.77	16.57
278	2.077592250	52.72	16.59
279	2.085091500	52.70	16.61
280	2.092590750	52.63	16.65
281	2.100090000	52.59	16.66
282	2.107589250	52.58	16.70
283	2.115088500	52.53	16.73
284	2.122587750	52.49	16.74
285	2.130087000	52.43	16.77
286	2.137586250	52.40	16.78
287	2.145085500	52.37	16.82
288	2.152584750	52.31	16.82
289	2.160084000	52.29	16.83
290	2.167583250	52.23	16.88
291	2.175082500	52.20	16.89
292	2.182581750	52.16	16.92
293	2.190081000	52.12	16.94
294	2.197580250	52.07	16.97
295	2.205079500	52.03	16.98
296	2.212578750	51.99	17.01

$$\sigma = 1.565 \text{ S/m}$$

297	2.220078000	51.96	17.03
298	2.227577250	51.92	17.05
299	2.235076500	51.88	17.08
300	2.242575750	51.83	17.09
301	2.250075000	51.81	17.10
302	2.257574250	51.76	17.14
303	2.265073500	51.71	17.15
304	2.272572750	51.69	17.16
305	2.280072000	51.65	17.20
306	2.287571250	51.57	17.20
307	2.295070500	51.56	17.22
308	2.302569750	51.53	17.25
309	2.310069000	51.48	17.26
310	2.317568250	51.45	17.29
311	2.325067500	51.39	17.31
312	2.332566750	51.37	17.33
313	2.340066000	51.33	17.34
314	2.347565250	51.30	17.36
315	2.355064500	51.27	17.38
316	2.362563750	51.21	17.40
317	2.370063000	51.19	17.41
318	2.377562250	51.15	17.44
319	2.385061500	51.09	17.45
320	2.392560750	51.08	17.47
321	2.400060000	51.02	17.50
322	2.407559250	50.98	17.51
323	2.415058500	50.96	17.54
324	2.422557750	50.90	17.56
325	2.430057000	50.88	17.56
326	2.437556250	50.84	17.59
327	2.445055500	50.80	17.60
328	2.452554750	50.77	17.63
329	2.460054000	50.72	17.65
330	2.467553250	50.70	17.67
331	2.475052500	50.66	17.68
332	2.482551750	50.62	17.70
333	2.490051000	50.59	17.71
334	2.497550250	50.55	17.73
335	2.505049500	50.51	17.74
336	2.512548750	50.49	17.76
337	2.520048000	50.44	17.80
338	2.527547250	50.40	17.82
339	2.535046500	50.38	17.82
340	2.542545750	50.34	17.88
341	2.550045000	50.30	17.86
342	2.557544250	50.29	17.89
343	2.565043500	50.25	17.90
344	2.572542750	50.21	17.92
345	2.580042000	50.18	17.93
346	2.587541250	50.13	17.95
347	2.595040500	50.10	17.95
348	2.602539750	50.07	17.99
349	2.610039000	50.01	18.01
350	2.617538250	49.99	18.03
351	2.625037500	49.97	18.07
352	2.632536750	49.92	18.07
353	2.640036000	49.89	18.09
354	2.647535250	49.86	18.13
355	2.655034500	49.82	18.14
356	2.662533750	49.78	18.15

357	2.670033000	49.75	18.18
358	2.677532250	49.72	18.20
359	2.685031500	49.68	18.21
360	2.692530750	49.65	18.23
361	2.700030000	49.59	18.27
362	2.707529250	49.55	18.27
363	2.715028500	49.54	18.30
364	2.722527750	49.50	18.31
365	2.730027000	49.46	18.33
366	2.737526250	49.43	18.36
367	2.745025500	49.38	18.35
368	2.752524750	49.35	18.38
369	2.760024000	49.32	18.40
370	2.767523250	49.28	18.41
371	2.775022500	49.24	18.44
372	2.782521750	49.20	18.44
373	2.790021000	49.18	18.46
374	2.797520250	49.14	18.50
375	2.805019500	49.10	18.51
376	2.812518750	49.07	18.53
377	2.820018000	49.02	18.54
378	2.827517250	49.02	18.57
379	2.835016500	48.97	18.58
380	2.842515750	48.93	18.59
381	2.850015000	48.90	18.61
382	2.857514250	48.85	18.63
383	2.865013500	48.83	18.63
384	2.872512750	48.78	18.65
385	2.880012000	48.75	18.67
386	2.887511250	48.71	18.69
387	2.895010500	48.68	18.69
388	2.902509750	48.64	18.72
389	2.910009000	48.62	18.73
390	2.917508250	48.57	18.75
391	2.925007500	48.54	18.77
392	2.932506750	48.52	18.79
393	2.940006000	48.48	18.79
394	2.947505250	48.43	18.80
395	2.955004500	48.40	18.81
396	2.962503750	48.37	18.82
397	2.970003000	48.33	18.83
398	2.977502250	48.29	18.86
399	2.985001500	48.25	18.88
400	2.992500750	48.22	18.89
401	3.000000000	48.20	18.91

# 7GP P5K8C #1093, FM ch991, FCC compliance, conducted power=25.5dBm (hdet=665)

Waist level - without belt clip

SAR (1g): 0.424 [mW/g] ± 0.09 dB, SAR (10g): 0.306 [mW/g] ± 0.09 dB

Cubes (2) (Worst-case extrapolation)

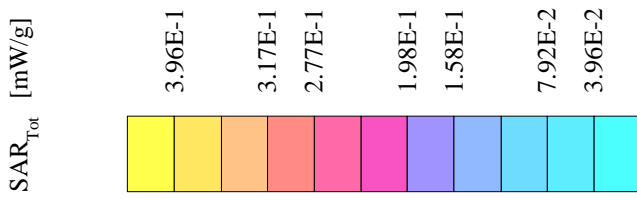
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SNI353; ConvF(5.53,5.53,5.53)

Muscle 900 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 55.8$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, FM ch991, without beltclip, muscle, power=25.5dBm, 04-16-01.DA3

Powerdrift: -0.10 dB



# 7GP P5K8C #1093, FM ch991, FCC compliance, conducted power=25.5dBm (hdet=665)

Waist level - without belt clip

SAR (1g): 0.441 [mW/g]  $\pm$  0.19 dB, SAR (10g): 0.318 [mW/g]  $\pm$  0.19 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom: Flat Section

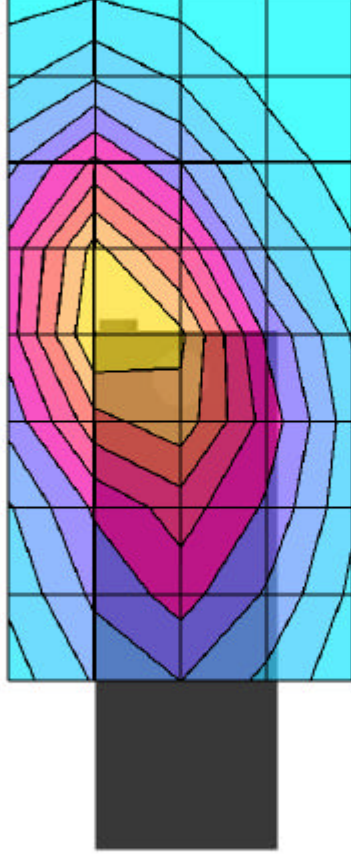
Probe: ET3DV5 - SNI353; ConvF(5.53,5.53,5.53)

Muscle 900 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 55.8$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, FM ch991, without beltclip, muscle, power=25.5dBm, 04-16-01.DA3

Powerdrift: 0.26 dB

SAR<sub>Tot</sub> [mW/g]



4.09E-1

3.27E-1

2.86E-1

2.05E-1

1.64E-1

8.18E-2

4.09E-2

# 7GP P5K8C #1093, FM ch383, FCC compliance, conducted power=25.5dBm (hdet=605)

Waist level - without belt clip

SAR (1g): 0.338 [mW/g] ± 0.09 dB, SAR (10g): 0.245 [mW/g] ± 0.08 dB

Cubes (2) (Worst-case extrapolation)

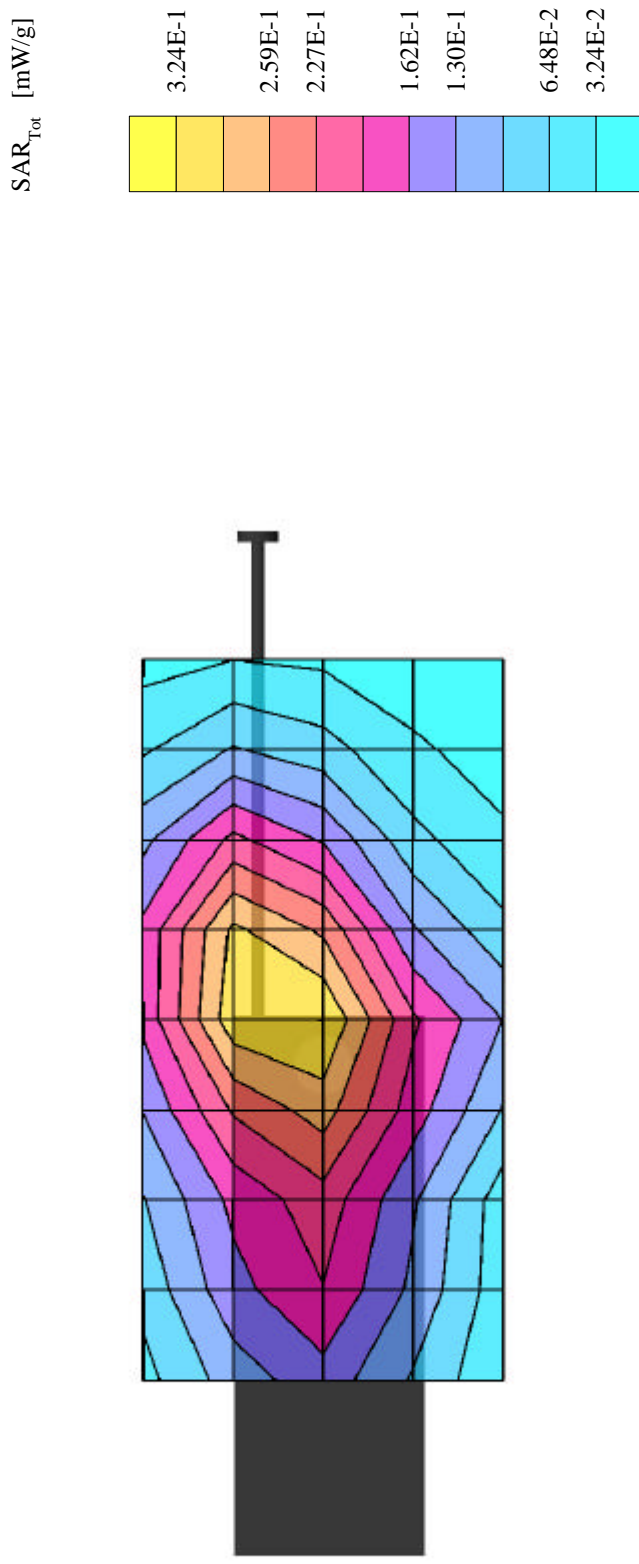
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SNI353; ConvF(5.53,5.53,5.53)

Muscle 900 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 55.8$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, FM ch383, without beltclip, muscle, power=25.5dBm, 04-16-01.DA3

Powerdrift: -0.03 dB



# 7GP P5K8C #1093, FM ch383, FCC compliance, conducted power=25.5dBm (hdet=605)

Waist level - without belt clip

SAR (1g): 0.477 [mW/g] ± 0.09 dB, SAR (10g): 0.343 [mW/g] ± 0.11 dB

Cubes (2) (Worst-case extrapolation)

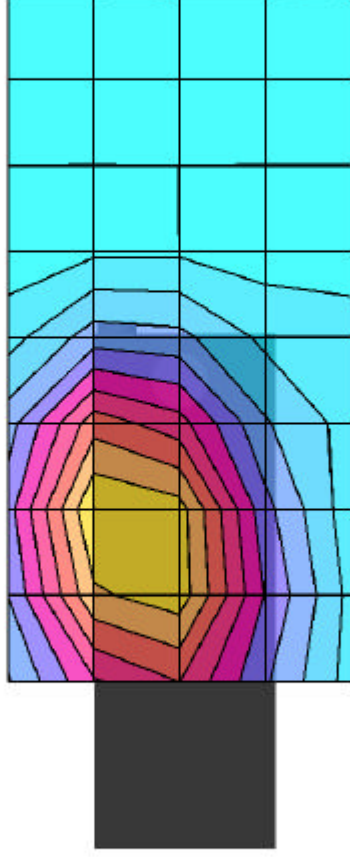
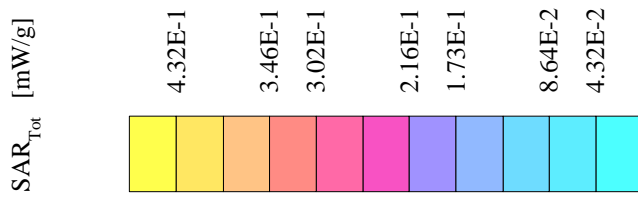
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SNI353; ConvF(5.53,5.53,5.53)

Muscle 900 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 55.8$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, FM ch383, without beltclip, muscle, power=25.5dBm, 04-16-01.DA3

Powerdrift: 0.01 dB



# 7GP P5K8C #1093, FM ch799, FCC compliance, conducted power=25.5dBm (hdet=603)

Waist level - without belt clip

SAR (1g): 0.459 [mW/g]  $\pm$  0.13 dB, SAR (10g): 0.331 [mW/g]  $\pm$  0.12 dB

Cubes (2) (Worst-case extrapolation)

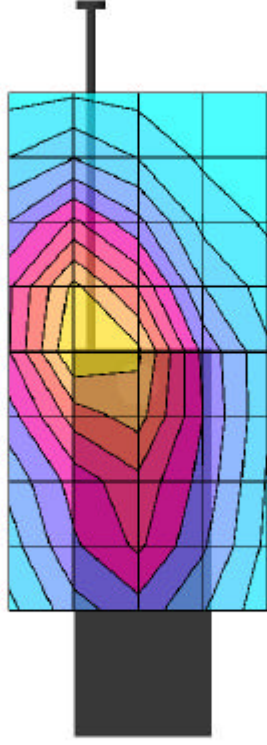
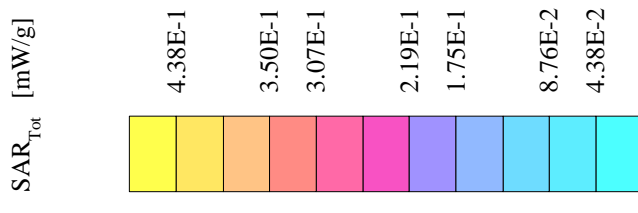
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SNI353; ConvF(5.53,5.53,5.53)

Muscle 900 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 55.8$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, FM ch799, without beltclip, muscle, power=25.5dBm, 04-16-01.DA3

Powerdrift: -0.15 dB





# 7GP P5K8C #1093, FM ch799, FCC compliance, conducted power=25.5dBm (hdet=603)

Waist level - without belt clip

SAR (1g): 0.447 [mW/g] ± 0.09 dB, SAR (10g): 0.320 [mW/g] ± 0.09 dB

Cubes (2) (Worst-case extrapolation)

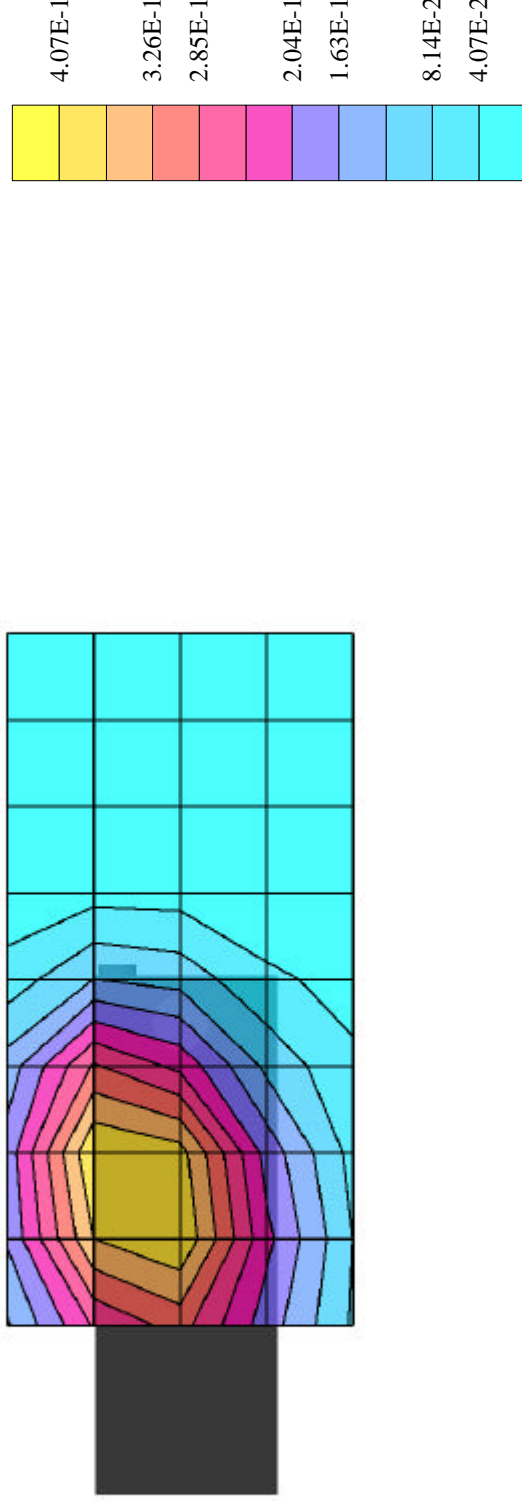
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SNI353; ConvF(5.53,5.53,5.53)

Muscle 900 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 55.8$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, FM ch799, without beltclip, muscle, power=25.5dBm, 04-16-01.DA3

Powerdrift: -0.04 dB



# 7GP P5K8C #1093, CDMA ch1013, FCC compliance, conducted power=25.7dBm (hdet=655)

Waist level - no belt clip

SAR (1g): 0.498 [mW/g]  $\pm$  0.12 dB, SAR (10g): 0.355 [mW/g]  $\pm$  0.10 dB

Cubes (2) (Worst-case extrapolation)

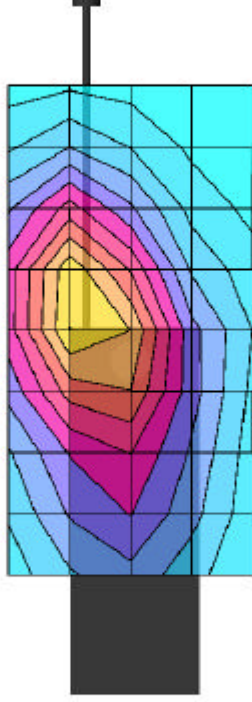
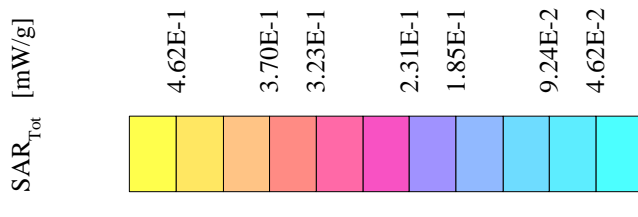
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SNI353; ConvF(5.53,5.53,5.53)

Muscle 900 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 55.8$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, CDMA ch1013, without beltclip, muscle, power=25.7dBm, 04-16-01.DA3

Powerdrift: 0.04 dB



# 7GP P5K8C #1093, CDMA ch1013, FCC compliance, conducted power=25.7dBm (hdet=655)

Waist level - no belt clip

SAR (1g): 0.397 [mW/g]  $\pm$  0.15 dB, SAR (10g): 0.280 [mW/g]  $\pm$  0.11 dB

Cubes (2) (Worst-case extrapolation)

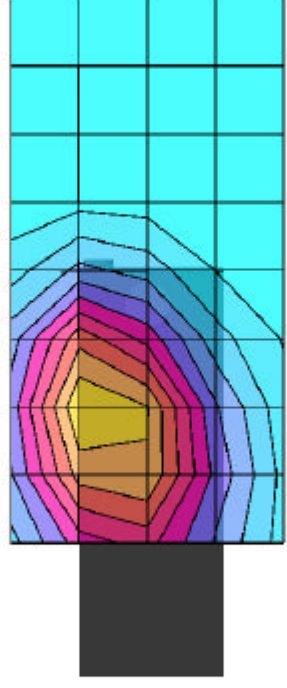
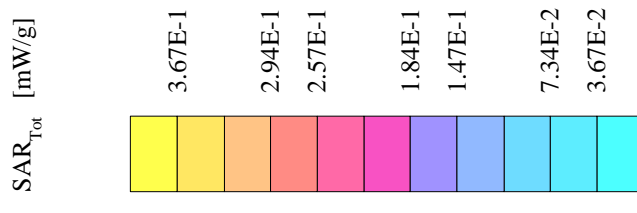
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SN1353; ConvF(5.53,5.53,5.53)

Muscle 900 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 55.8$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, CDMA ch1013, without beltclip, muscle, power=25.7dBm, 04-16-01.DA3

Powerdrift: -0.00 dB



# 7GP P5K8C #1093, CDMA ch383, FCC compliance, conducted power=25.7dBm (hdet=600)

Waist level - without belt clip

SAR (1g): 0.327 [mW/g] ± 0.11 dB, SAR (10g): 0.235 [mW/g] ± 0.11 dB

Cubes (2) (Worst-case extrapolation)

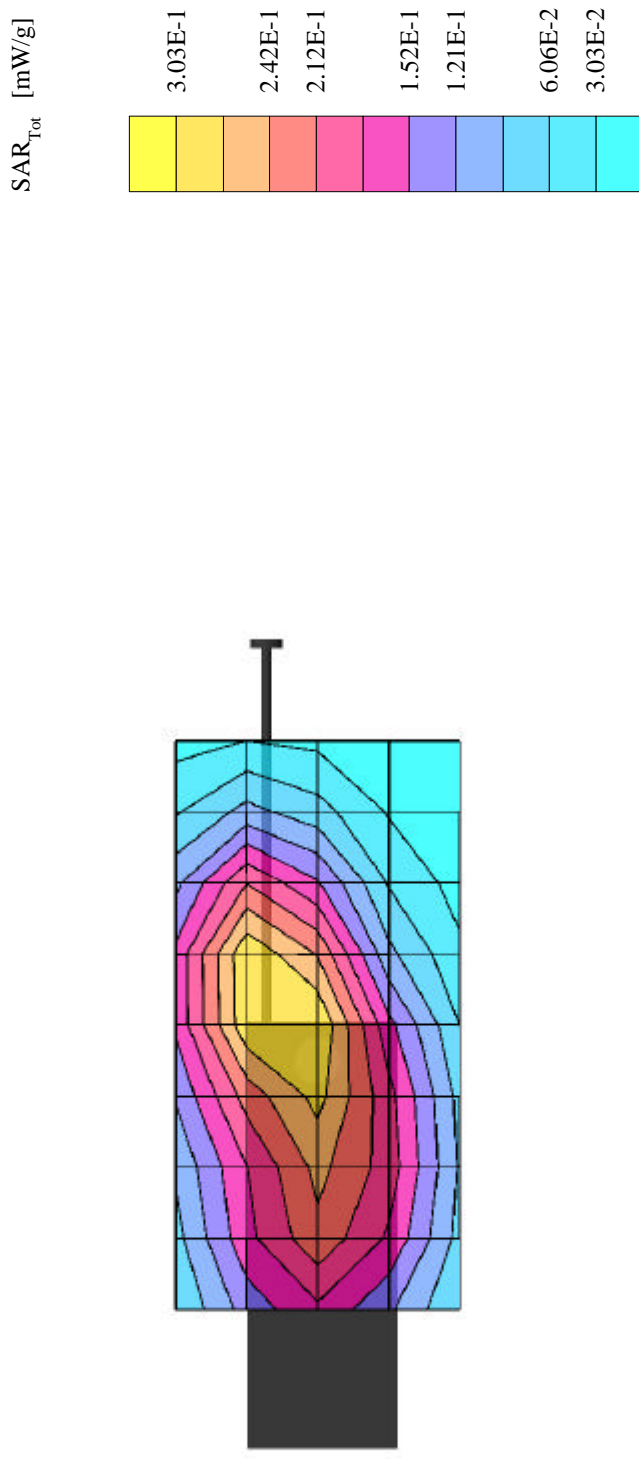
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SNI353; ConvF(5.53,5.53,5.53)

Muscle 900 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 55.8$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, CDMA ch383, without beltclip, muscle, power=25.7dBm, 04-16-01.DA3

Powerdrift: -0.13 dB



# 7GP P5K8C #1093, CDMA ch383, FCC compliance, conducted power=25.7dBm (hdet=600)

Waist level - without belt clip

SAR (1g): 0.489 [mW/g] ± 0.15 dB, SAR (10g): 0.353 [mW/g] ± 0.12 dB

Cubes (2) (Worst-case extrapolation)

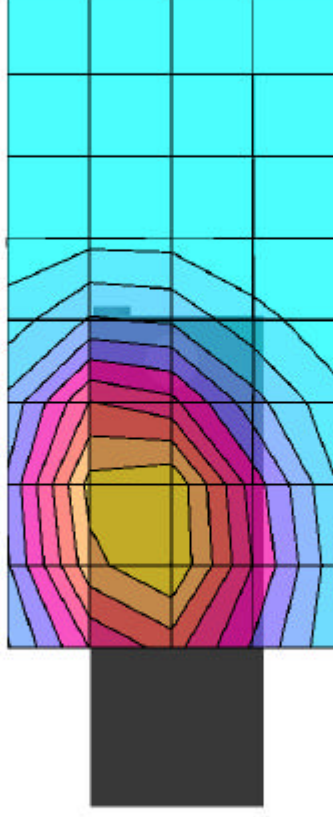
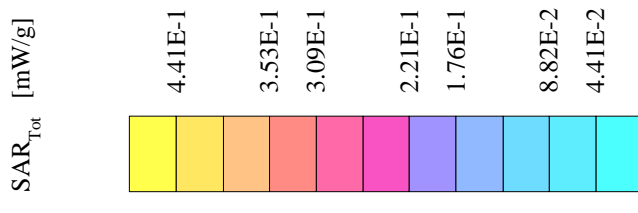
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SNI353; ConvF(5.53,5.53,5.53)

Muscle 900 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 55.8$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, CDMA ch383, without beltclip, muscle, power=25.7dBm, 04-16-01.DA3

Powerdrift: -0.01 dB



# 7GP P5K8C #1093, CDMA ch777, FCC compliance, conducted power=25.7dBm (hdet=605)

Waist level - without belt clip

SAR (1g): 0.477 [mW/g] ± 0.09 dB, SAR (10g): 0.343 [mW/g] ± 0.13 dB

Cubes (2) (Worst-case extrapolation)

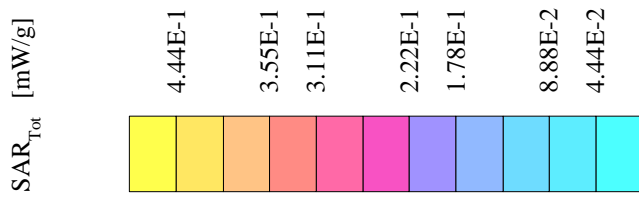
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SNI353; ConvF(5.53,5.53,5.53)

Muscle 900 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 55.8$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, CDMA ch777, without beltclip, muscle, power=25.7dBm, 04-16-01.DA3

Powerdrift: -0.03 dB



# 7GP P5K8C #1093, CDMA ch777, FCC compliance, conducted power=25.7dBm (hdet=605)

Waist level - without belt clip

SAR (1g): 0.486 [mW/g] ± 0.12 dB, SAR (10g): 0.351 [mW/g] ± 0.12 dB

Cubes (2) (Worst-case extrapolation)

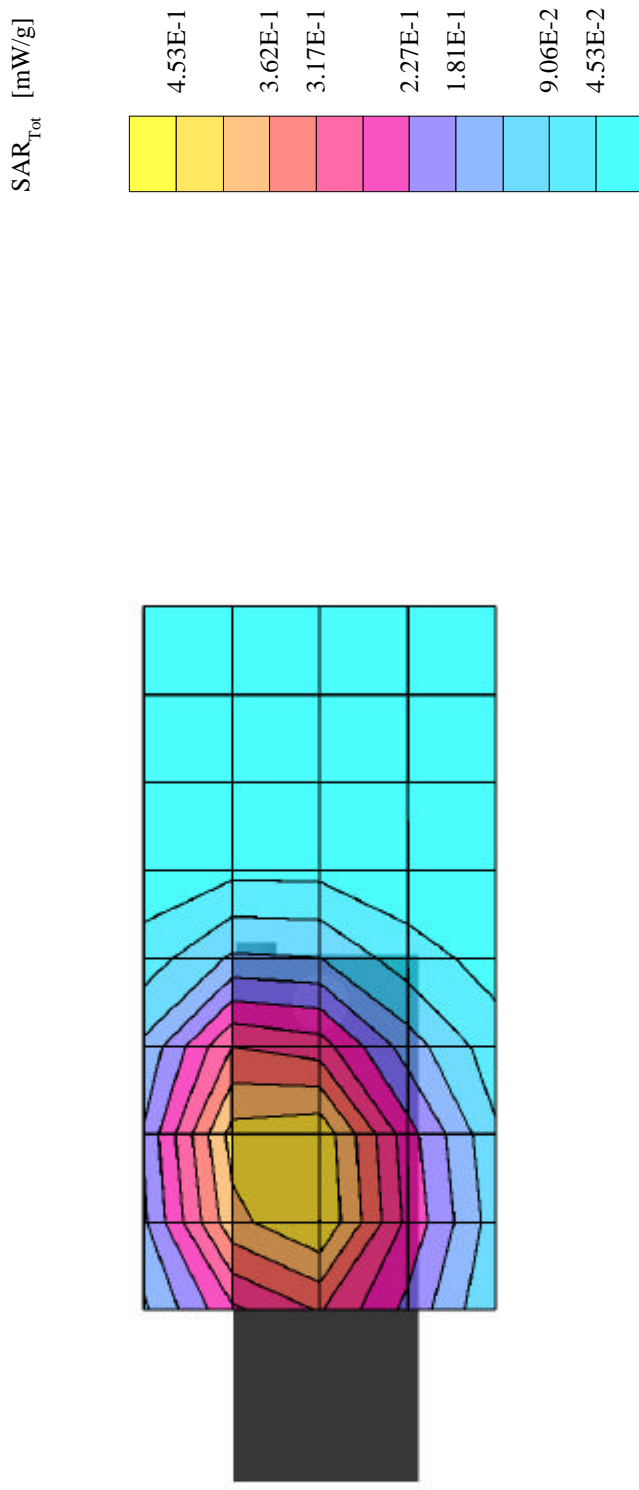
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SNI353; ConvF(5.53,5.53,5.53)

Muscle 900 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 55.8$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, CDMA ch777, without beltclip, muscle, power=25.7dBm, 04-16-01.DA3

Powerdrift: 0.04 dB



# 7GP P5K8C #1093, PCS ch25, FCC compliance, conducted power=24.2dBm (hdet=360)

Waist level - without belt clip

SAR (1g): 0.470 [mW/g] ± 0.03 dB, SAR (10g): 0.285 [mW/g] ± 0.00 dB

Cubes (2) (Worst-case extrapolation)

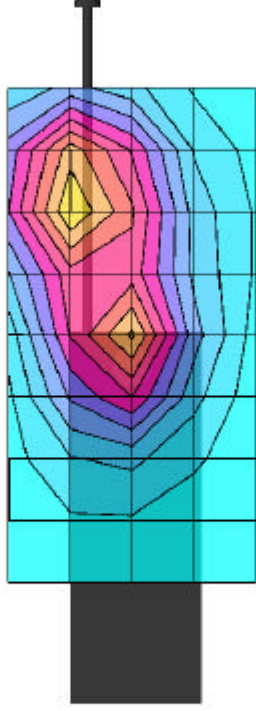
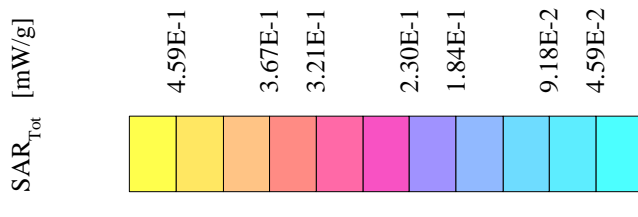
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SNI1353; ConvF(4.50,4.50,4.50)

Muscle 1800 MHz:  $\sigma = 1.57$  [mho/m]  $\epsilon_r = 54.2$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, PCS ch25, without beltclip, muscle, power=24.2dBm, 04-16-01.DA3

Powerdrift: -0.17 dB





# 7GP P5K8C #1093, PCS ch25, FCC compliance, conducted power=24.2dBm (hdet=360)

Waist level - without belt clip

SAR (1g): 0.697 [mW/g] ± 0.12 dB, SAR (10g): 0.400 [mW/g] ± 0.08 dB

Cubes (2) (Worst-case extrapolation)

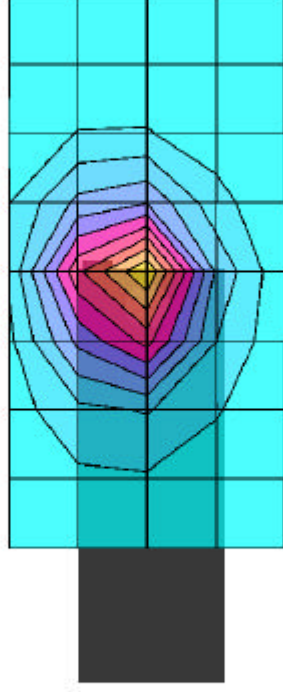
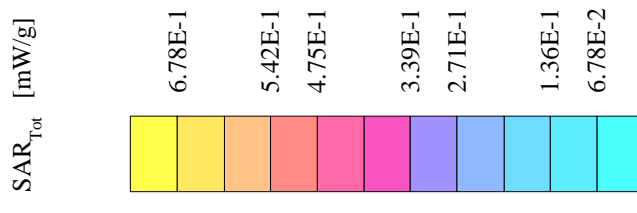
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SNI1353; ConvF(4.50,4.50,4.50)

Muscle 1800 MHz:  $\sigma = 1.57$  [mho/m]  $\epsilon_r = 54.2$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, PCS ch25, without beltclip, muscle, power=24.2dBm, 04-16-01.DA3

Powerdrift: -0.07 dB



# 7GP P5K8C #1093, PCS ch600, FCC compliance, conducted power=24.2dBm (hdet=343)

Waist level - without belt clip

SAR (1g): 0.395 [mW/g]  $\pm$  0.04 dB, SAR (10g): 0.235 [mW/g]  $\pm$  0.01 dB

Cubes (2) (Worst-case extrapolation)

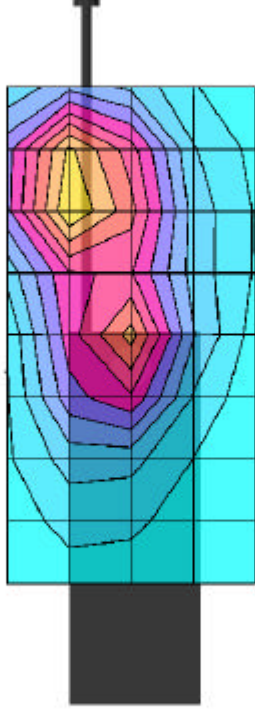
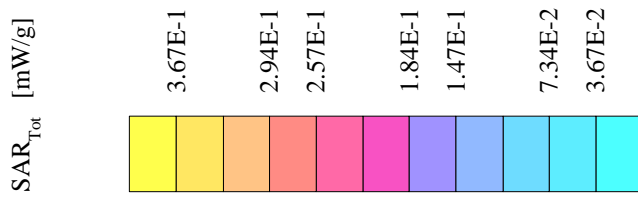
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SNI1353; ConvF(4.50,4.50,4.50)

Muscle 1800 MHz:  $\sigma = 1.57$  [mho/m]  $\epsilon_r = 54.2$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, PCS ch600, without beltclip, muscle, power=24.2dBm, 04-16-01.DA3

Powerdrift: -0.29 dB



# 7GP P5K8C #1093, PCS ch600, FCC compliance, conducted power=24.2dBm (hdet=343)

Waist level - without belt clip

SAR (1g): 0.795 [mW/g] ± 0.10 dB, SAR (10g): 0.455 [mW/g] ± 0.10 dB

Cubes (2) (Worst-case extrapolation)

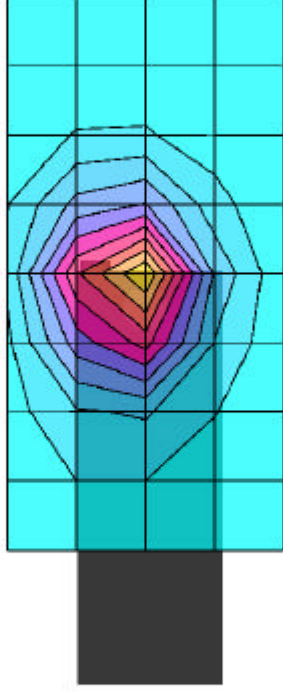
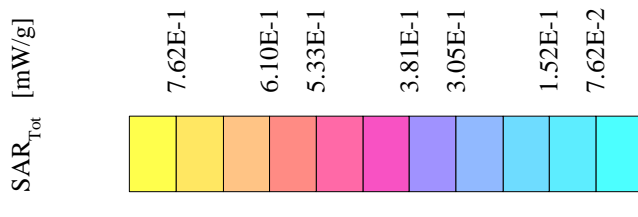
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SNI1353; ConvF(4.50,4.50,4.50)

Muscle 1800 MHz:  $\sigma = 1.57$  [mho/m]  $\epsilon_r = 54.2$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, PCS ch600, without beltclip, muscle, power=24.2dBm, 04-16-01.DA3

Powerdrift: -0.13 dB



# 7GP P5K8C #1093, PCS ch1175, FCC compliance, conducted power=24.2dBm (hdet=410)

Waist level - without belt clip

SAR (1g): 0.459 [mW/g]  $\pm$  0.05 dB, SAR (10g): 0.279 [mW/g]  $\pm$  0.03 dB

Cubes (2) (Worst-case extrapolation)

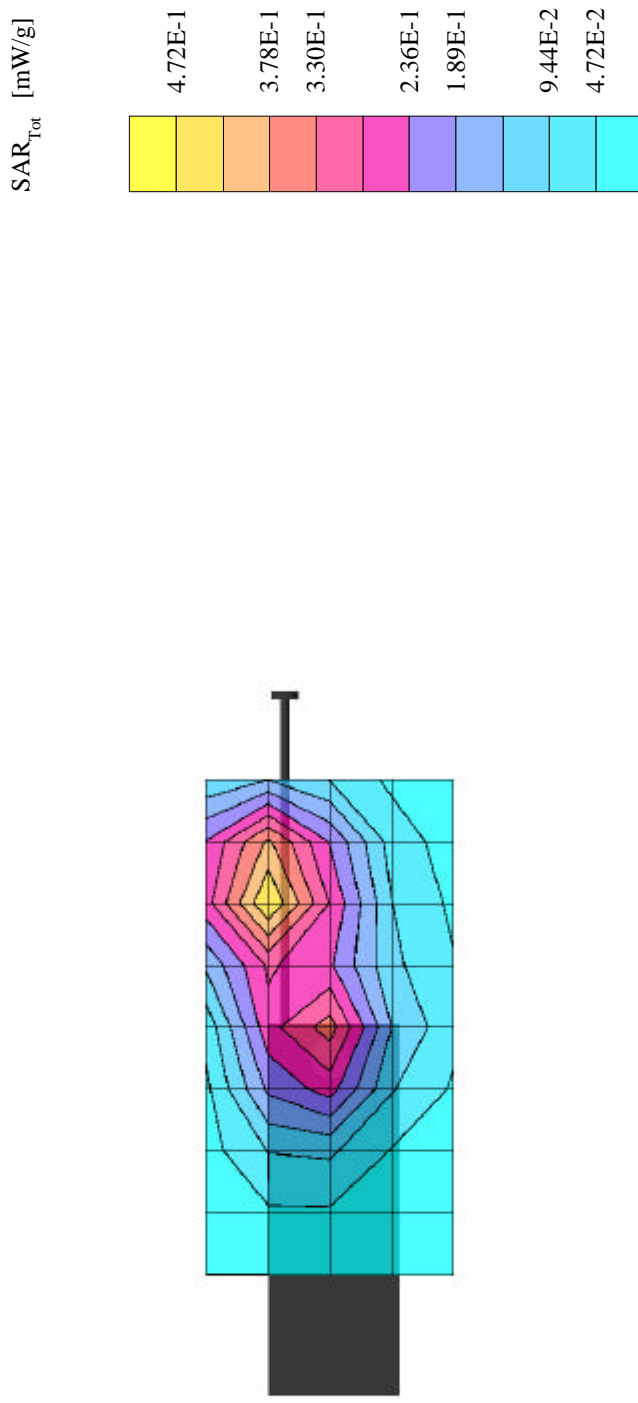
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SN1353; ConvF(4.50,4.50,4.50)

Muscle 1800 MHz:  $\sigma = 1.57$  [mho/m]  $\epsilon_r = 54.2$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, PCS ch1175, without beltclip, muscle, power=24.2dBm, 04-16-01.DA3

Powerdrift: -0.23 dB



# 7GP P5K8C #1093, PCS ch1175, FCC compliance, conducted power=24.2dBm (hdet=410)

Waist level - without belt clip

SAR (1g): 0.624 [mW/g] ± 0.05 dB, SAR (10g): 0.360 [mW/g] ± 0.08 dB

Cubes (2) (Worst-case extrapolation)

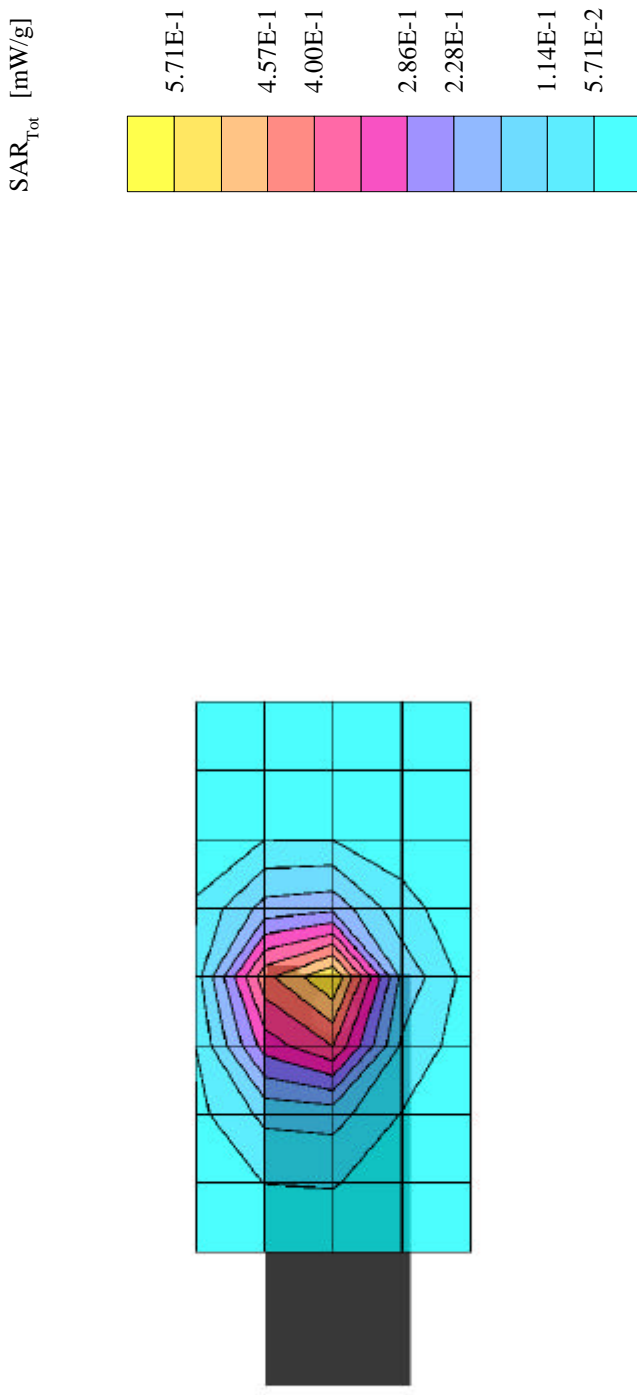
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SNI1353; ConvF(4.50,4.50,4.50)

Muscle 1800 MHz:  $\sigma = 1.57$  [mho/m]  $\epsilon_r = 54.2$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, PCS ch1175, without beltclip, muscle, power=24.2dBm, 04-16-01.DA3

Powerdrift: -0.06 dB



# 7GP P5K8C #1093, CDMA ch1013, FCC compliance, conducted power=25.7dBm (hdet=655)

Waist level - with belt clip

SAR (1g): 0.478 [mW/g] ± 0.12 dB, SAR (10g): 0.343 [mW/g] ± 0.10 dB

Cubes (2) (Worst-case extrapolation)

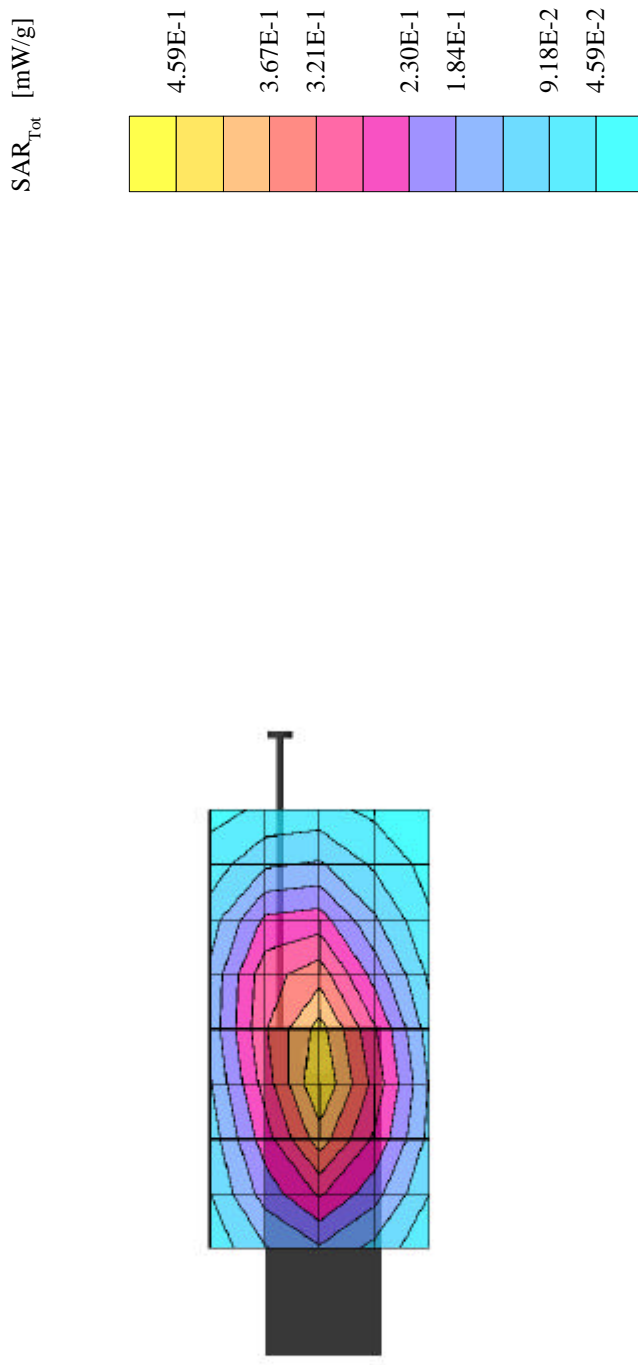
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SNI353; ConvF(5.53,5.53,5.53)

Muscle 900 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 55.8$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, CDMA ch1013, muscle, power=25.7dBm, 04-16-01.DA3

Powerdrift: 0.04 dB



# 7GP P5K8C #1093, CDMA ch1013, FCC compliance, conducted power=25.7dBm (hdet=655)

Waist level - with belt clip

SAR (1g): 0.545 [mW/g] ± 0.05 dB, SAR (10g): 0.384 [mW/g] ± 0.09 dB

Cubes (2) (Worst-case extrapolation)

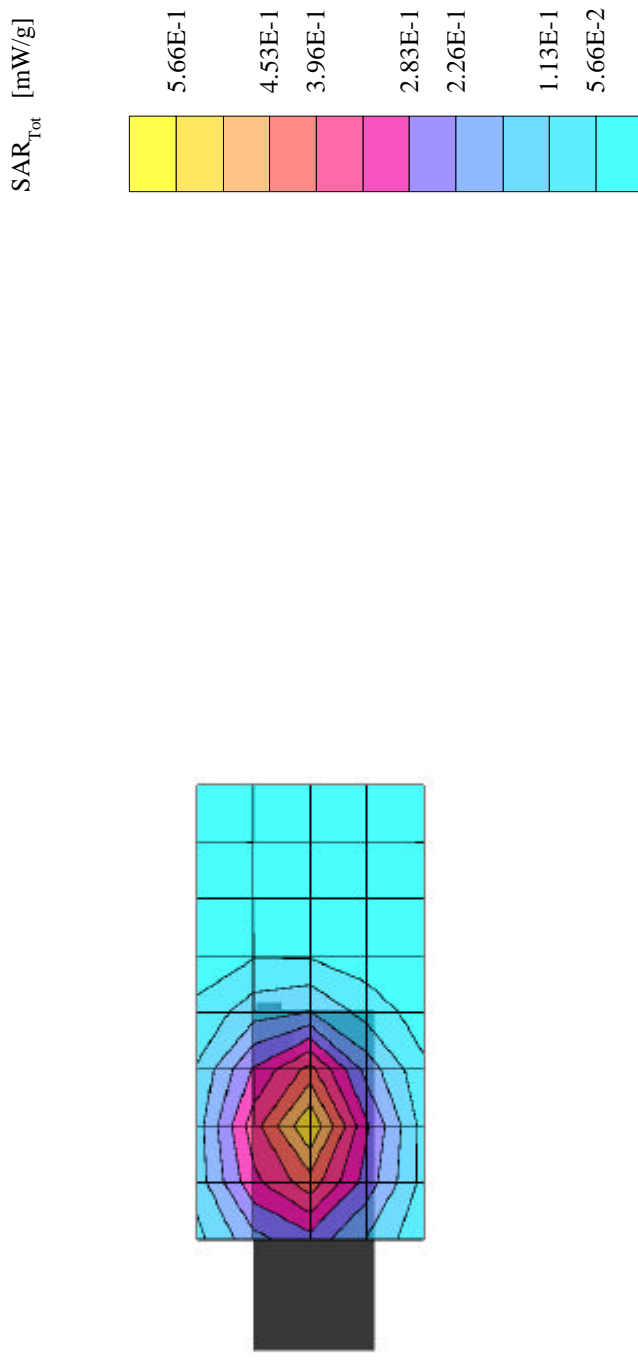
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SNI353; ConvF(5.53,5.53,5.53)

Muscle 900 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 55.8$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, CDMA ch1013, muscle, power=25.7dBm, 04-16-01.DA3

Powerdrift: -0.17 dB



# 7GP P5K8C #1093, CDMA ch383, FCC compliance, conducted power=25.7dBm (hdet=600)

Waist level - with belt clip

SAR (1g): 0.339 [mW/g]  $\pm$  0.08 dB, SAR (10g): 0.246 [mW/g]  $\pm$  0.11 dB

Cubes (2) (Worst-case extrapolation)

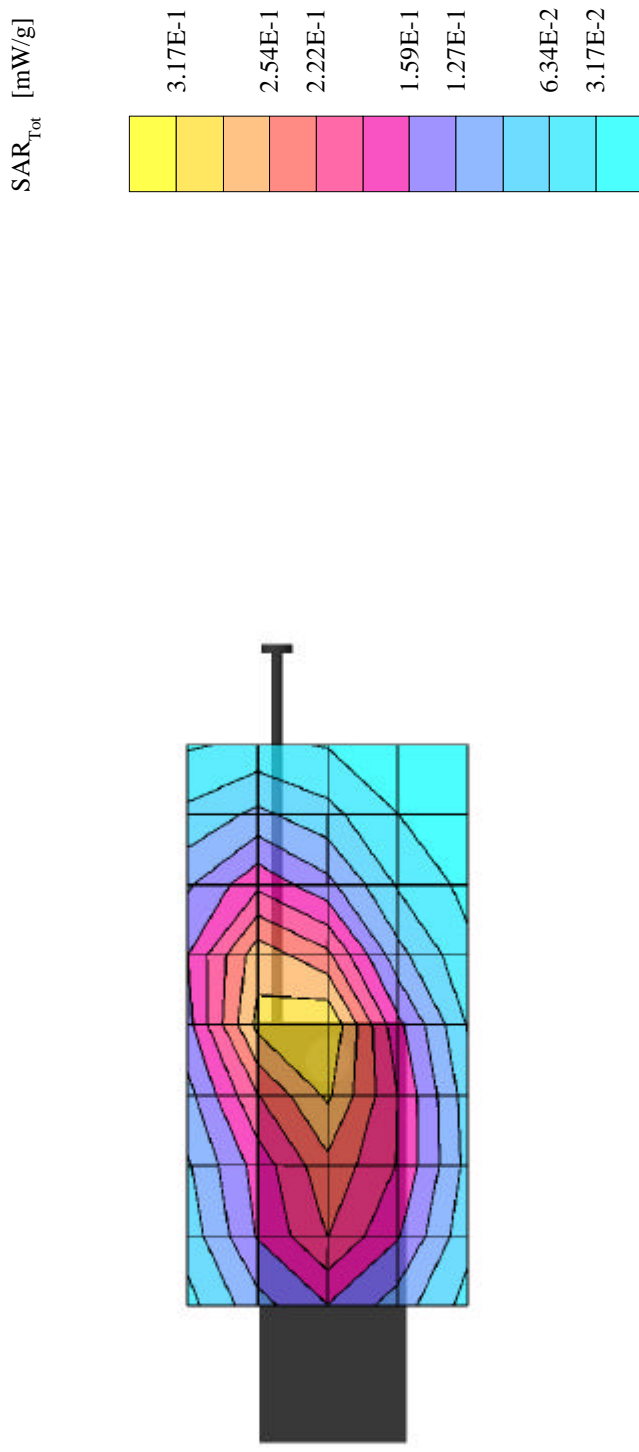
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SNI353; ConvF(5.53,5.53,5.53)

Muscle 900 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 55.8$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, CDMA ch383, muscle, power=25.7dBm, 04-16-01.DA3

Powerdrift: -0.12 dB





# 7GP P5K8C #1093, CDMA ch383, FCC compliance, conducted power=25.7dBm (hdet=600)

Waist level - with belt clip

SAR (1g): 0.591 [mW/g]  $\pm$  0.11 dB, SAR (10g): 0.434 [mW/g]  $\pm$  0.10 dB

Cubes (2) (Worst-case extrapolation)

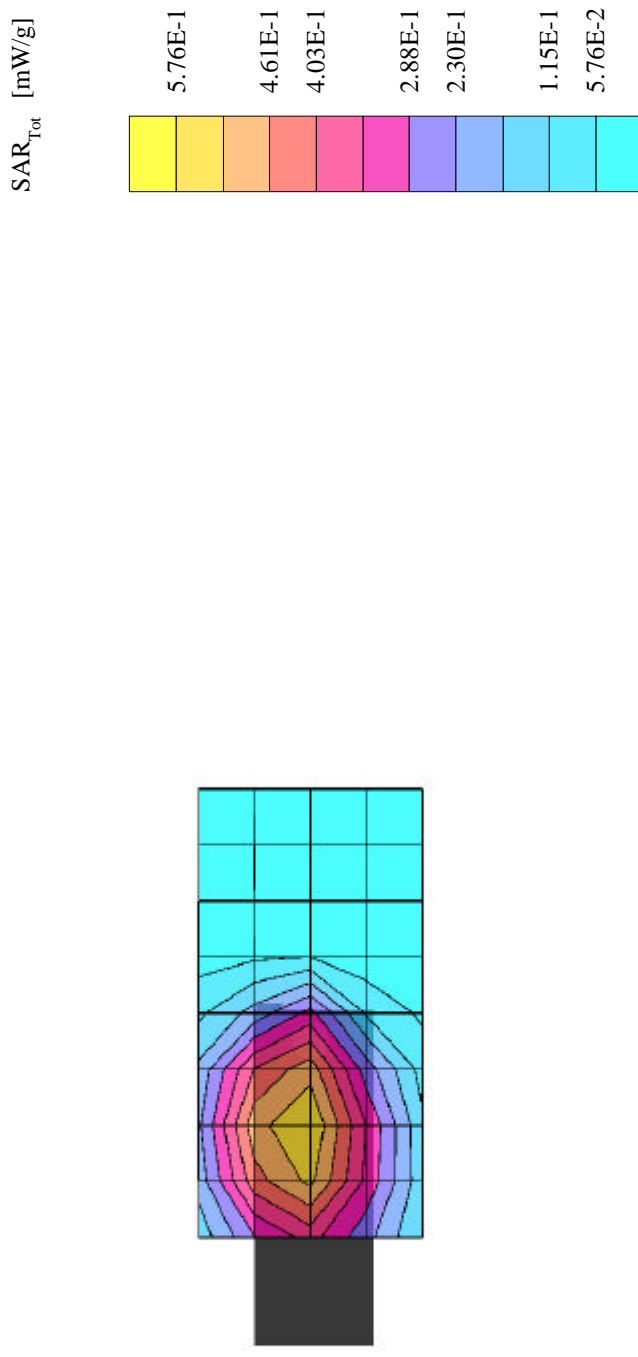
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SNI353; ConvF(5.53,5.53,5.53)

Muscle 900 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 55.8$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, CDMA ch383, muscle, power=25.7dBm, 04-16-01.DA3

Powerdrift: -0.09 dB



# 7GP P5K8C #1093, CDMA ch777, FCC compliance, conducted power=25.7dBm (hdet=605)

Waist level - with belt clip

SAR (1g): 0.466 [mW/g]  $\pm$  0.11 dB, SAR (10g): 0.338 [mW/g]  $\pm$  0.10 dB

Cubes (2) (Worst-case extrapolation)

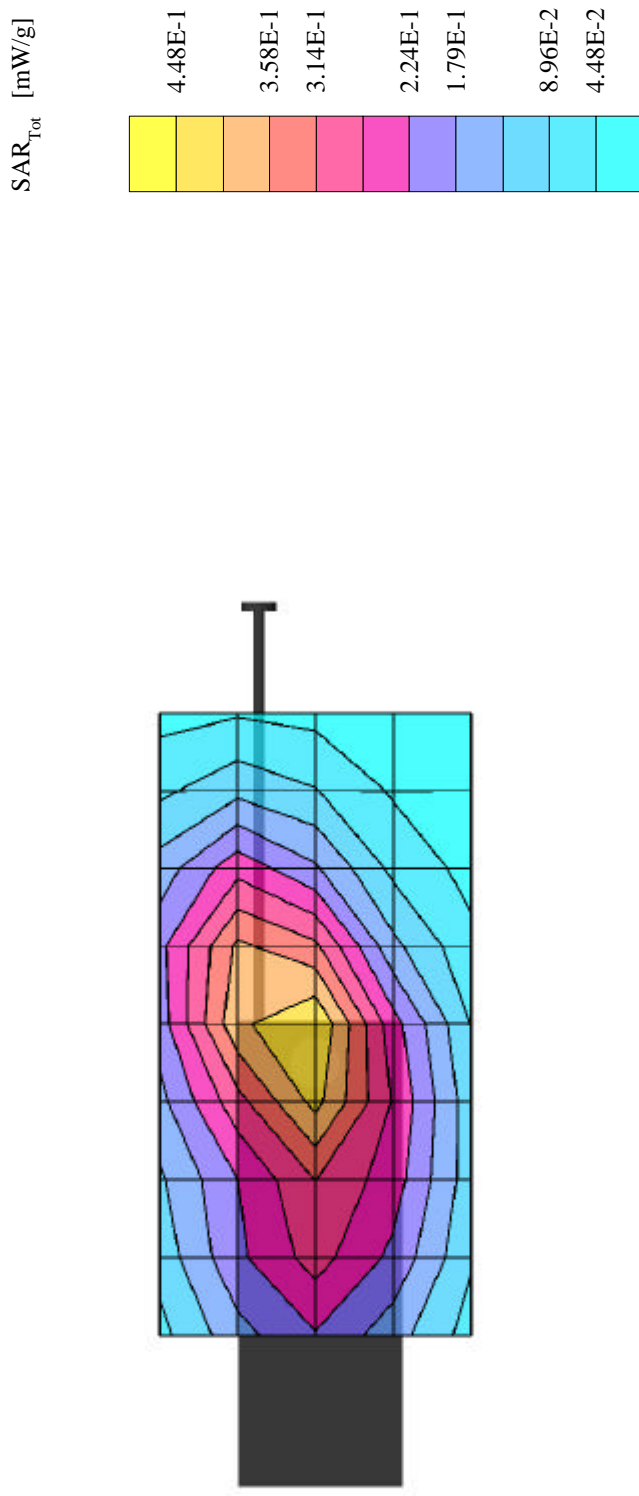
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SNI353; ConvF(5.53,5.53,5.53)

Muscle 900 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 55.8$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, CDMA ch777, muscle, power=25.7dBm, 04-16-01.DA3

Powerdrift: 0.05 dB



# 7GP P5K8C #1093, CDMA ch777, FCC compliance, conducted power=25.7dBm (hdet=605)

Waist level - with belt clip

SAR (1g): 0.564 [mW/g] ± 0.13 dB, SAR (10g): 0.408 [mW/g] ± 0.13 dB

Cubes (2) (Worst-case extrapolation)

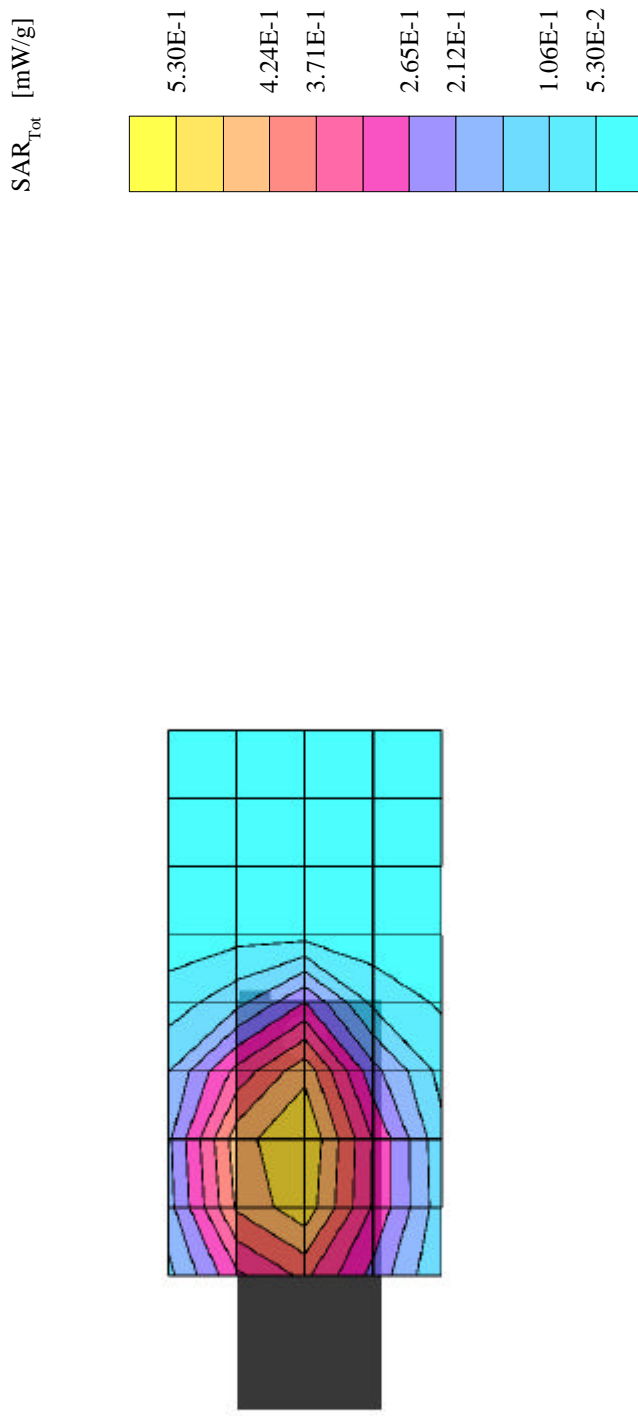
Generic Twin Phantom: Flat Section

Probe: ET3DV5 - SNI353; ConvF(5.53,5.53,5.53)

Muscle 900 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 55.8$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: 7GP #1093, CDMA ch777, muscle, power=25.7dBm, 04-16-01.DA3

Powerdrift: -0.02 dB





Q4. Please confirm when will a post-grant sample, corresponding to this revised grant, be shipped to fulfil the post-grant sample requested sent at mid January (2001).

A4. A post grant sample will be sent in the next couple of days.